SAR EVALUATION REPORT

FCC 47 CFR § 2.1093
IEEE Std 1528-2013

For
SMARTPHONE

FCC ID: BCG-E3543A
Model Name: A2402

Report Number: 13131736-S1V3
Issue Date: 9/28/2020

Prepared for
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Revision History

Rev.	Date	Revisions	Revised By
V1	9/13/2020	Initial Issue	--
V2	9/16/2020	1. Sec. 6.5: Updated support BW. 2. Sec. 6.6: Updated SAR char table and notes. 3. Sec. 9.7: Updated power table. 4. Sec. 12.5, 6, 7, and 8: Updated table. 5. Updated Appendix C, G, and I.	Devin Chang
V3	9/28/2020	Sec. 6.6: Updated 5G NR n41 P_{max} and note 4	Devin Chang

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1. Attestation of Test Results

Applicant Name		APPLE, INC.			
FCC ID		BCG-E3543A			
Model Name		A2402			
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	0.852	1.085	0.633
Body-worn (Dist.= 5 mm)		0.999	1.170	1.174	0.603
Hotspot (Dist.= 5 mm)		0.999	1.170	1.189	0.672
Simultaneous TX	Head	1.333	1.255	1.333	1.333
	Body-worn	1.539	1.539	1.501	1.501
	Hotspot	1.539	1.539	1.501	1.501
Date Tested		6/29/2020 – 9/12/2020			
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.

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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)

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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.

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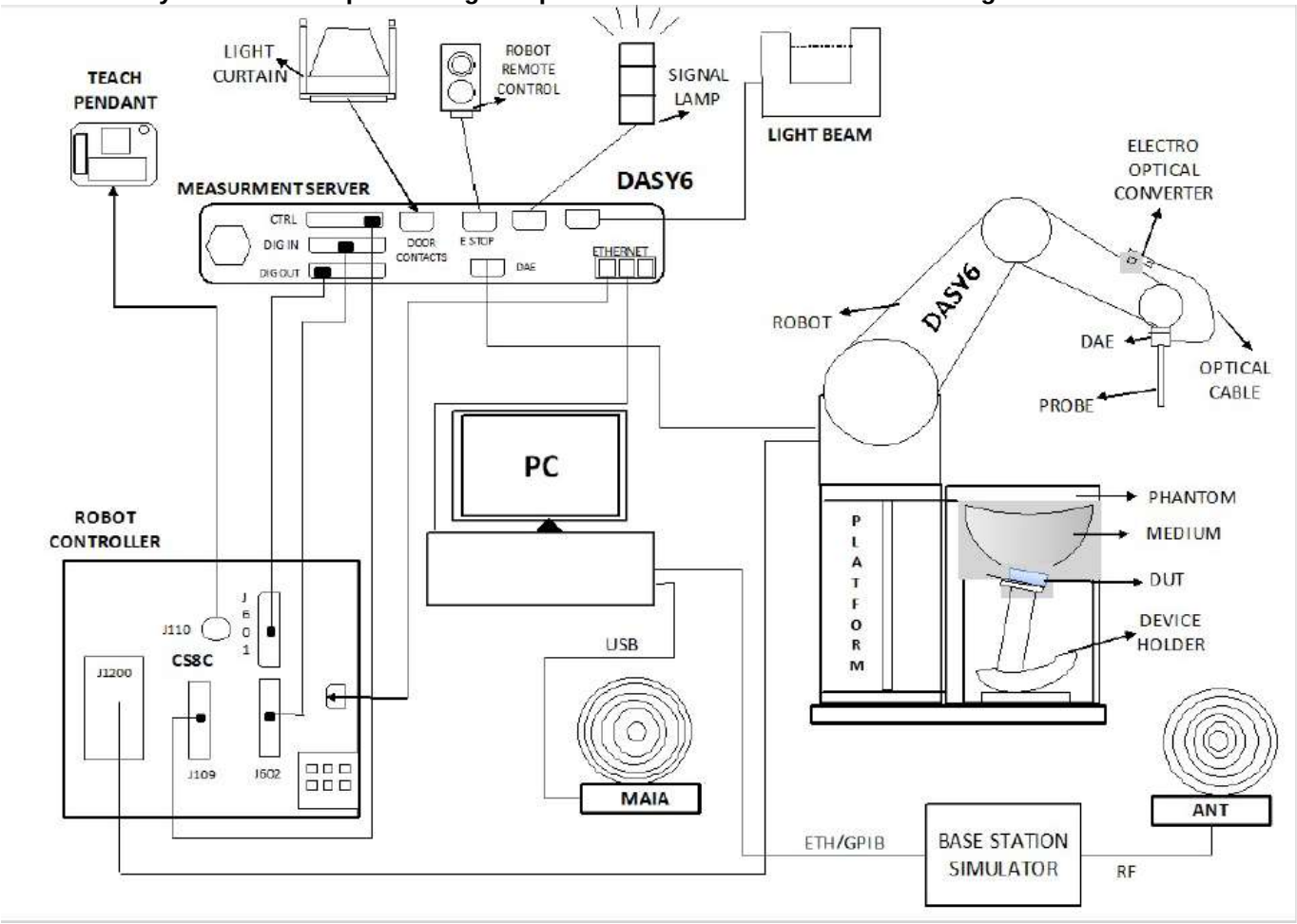
4. SAR Measurement System & Test Equipment

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.

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4.2. SAR Scan Procedures

Step 1: Power Reference Measurement

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

Step 2: Area Scan

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

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

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

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Step 3: Zoom Scan

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

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

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

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

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

Step 4: Power drift measurement

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

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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.

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Lab Equipment

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
E-Field Probe (SAR Lab A)	SPEAG	EX3DV4	7463	7/18/2020 *
E-Field Probe (SAR Lab A)	SPEAG	EX3DV4	3929	4/23/2021
E-Field Probe (SAR Lab A)	SPEAG	EX3DV4	3794	2/14/2021
E-Field Probe (SAR Lab B)	SPEAG	EX3DV4	7356	4/23/2021
E-Field Probe (SAR Lab B)	SPEAG	EX3DV4	7463	7/24/2021
E-Field Probe (SAR Lab C)	SPEAG	EX3DV4	7569	5/7/2021
E-Field Probe (SAR Lab D)	SPEAG	EX3DV4	3773	3/20/2021
E-Field Probe (SAR Lab E)	SPEAG	EX3DV4	3989	1/23/2021
E-Field Probe (SAR Lab E)	SPEAG	EX3DV4	7578	2/10/2021
E-Field Probe (SAR Lab F)	SPEAG	EX3DV4	7482	7/18/2020 *
E-Field Probe (SAR Lab F)	SPEAG	EX3DV4	3902	5/15/2021
E-Field Probe (SAR Lab G)	SPEAG	EX3DV4	7498	4/24/2021
E-Field Probe (SAR Lab H)	SPEAG	EX3DV4	7500	4/24/2021
E-Field Probe (SAR Lab 1)	SPEAG	EX3DV4	7483	11/25/2020
E-Field Probe (SAR Lab 2)	SPEAG	EX3DV4	3749	1/23/2021
E-Field Probe (SAR Lab 3)	SPEAG	EX3DV4	7501	5/15/2021
E-Field Probe (SAR Lab 4)	SPEAG	EX3DV4	3885	10/16/2020
E-Field Probe (SAR Lab 4)	SPEAG	EX3DV4	7356	4/23/2021
E-Field Probe (SAR Lab 5)	SPEAG	EX3DV4	3686	9/26/2020
E-Field Probe (SAR Lab 6)	SPEAG	EX3DV4	3772	2/21/2021
E-Field Probe (SAR Lab 8)	SPEAG	EX3DV4	7335	2/21/2021
E-Field Probe (SAR Lab L1)	SPEAG	EX3DV4	7585	5/7/2021
E-Field Probe (SAR Lab L2)	SPEAG	EX3DV4	7587	5/8/2021
E-Field Probe (SAR Lab L3)	SPEAG	EX3DV4	7589	5/8/2021
E-Field Probe (SAR Lab L4)	SPEAG	EX3DV4	7586	5/8/2021
E-Field Probe (SAR Lab L6)	SPEAG	EX3DV4	7572	5/7/2021
Data Acquisition Electronics (SAR Lab A)	SPEAG	DAE4	1258	5/13/2021
Data Acquisition Electronics (SAR Lab B)	SPEAG	DAE4	1439	7/11/2020 *
Data Acquisition Electronics (SAR Lab B)	SPEAG	DAE4	1545	4/15/2021
Data Acquisition Electronics (SAR Lab C)	SPEAG	DAE4	1620	5/7/2021
Data Acquisition Electronics (SAR Lab D)	SPEAG	DAE4	1433	3/17/2021
Data Acquisition Electronics (SAR Lab E)	SPEAG	DAE4	1377	10/10/2020
Data Acquisition Electronics (SAR Lab 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	1257	10/10/2020
Data Acquisition Electronics (SAR Lab 2)	SPEAG	DAE4	1472	3/12/2021
Data Acquisition Electronics (SAR Lab 3)	SPEAG	DAE4	1546	5/15/2021
Data Acquisition Electronics (SAR Lab 4)	SPEAG	DAE4	1547	5/15/2021
Data Acquisition Electronics (SAR Lab 5)	SPEAG	DAE4	1540	2/21/2021
Data Acquisition Electronics (SAR Lab 6)	SPEAG	DAE4	1380	8/27/2020
Data Acquisition Electronics (SAR Lab 6)	SPEAG	DAE4	1259	7/16/2021
Data Acquisition Electronics (SAR Lab 8)	SPEAG	DAE4	1359	2/26/2021
Data Acquisition Electronics (SAR Lab L1)	SPEAG	DAE4	1618	5/7/2021
Data Acquisition Electronics (SAR Lab L2)	SPEAG	DAE4	1621	5/7/2021
Data Acquisition Electronics (SAR Lab L3)	SPEAG	DAE4	1619	5/7/2021
Data Acquisition Electronics (SAR Lab L4)	SPEAG	DAE4	1622	5/8/2021
Data Acquisition Electronics (SAR Lab L6)	SPEAG	DAE4	1617	5/7/2021

Note(s):

*Equipment not used past calibration due date.

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Lab Equipment

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
System Validation Dipole	SPEAG	D750V3	1071	11/20/2020
System Validation Dipole	SPEAG	D835V2	4d002	11/20/2020
System Validation Dipole	SPEAG	D835V2	4d142	8/23/2020*
System Validation Dipole	SPEAG	D1750V2	1053	10/10/2020
System Validation Dipole	SPEAG	D1750V2	1050	4/21/2021
System Validation Dipole	SPEAG	D1750V2	1077	10/10/2020
System Validation Dipole	SPEAG	D1900V2	5d163	10/14/2020
System Validation Dipole	SPEAG	D1900V2	5d043	11/20/2020
System Validation Dipole	SPEAG	D1900V2	5d140	4/21/2021
System Validation Dipole	SPEAG	D2300V2	1002	4/17/2021
System Validation Dipole	SPEAG	D2300V2	1058	10/14/2020
System Validation Dipole	SPEAG	D2450V2	899	4/17/2021
System Validation Dipole	SPEAG	D2450V2	706	5/8/2021
System Validation Dipole	SPEAG	D2450V2	748	3/12/2021
System Validation Dipole	SPEAG	D2600V2	1036	4/17/2021
System Validation Dipole	SPEAG	D2600V2	1006	10/14/2020
System Validation Dipole	SPEAG	D3500V2	1011	4/17/2021
System Validation Dipole	SPEAG	D3500V2	1060	3/12/2021
System Validation Dipole	SPEAG	D3700V2	1039	5/11/2021
System Validation Dipole	SPEAG	D3900V2	1052	8/3/2021
System Validation Dipole	SPEAG	D5GHzV2	1168	11/23/2020
System Validation Dipole	SPEAG	D5GHzV2	1138	8/26/2020*
System Validation Dipole	SPEAG	D5GHzV2	1003	3/12/2021

Note(s):

*Equipment not used past calibration due date.

OTHER

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

5. Measurement Uncertainty

Per KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be ≤ 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.

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6. Device Under Test (DUT) Information

6.1. DUT Description

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

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

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

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

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

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

Device Dimension	Overall (Length x Width): 146.72 mm x 71.52 mm Overall Diagonal: 163.07 mm (6.42 inch) Display Diagonal: 153.9 mm (6.06 inch)
Back Cover	The Back Cover is not removable
Battery Options	The rechargeable battery is not user accessible.
Accessory	Headset
Wireless Router (Hotspot)	Wi-Fi Hotspot mode permits the device to share its WWAN data connection with other Wi-Fi-enabled devices. ☒ Mobile Hotspot (Wi-Fi 2.4 GHz) ☒ Mobile Hotspot (Wi-Fi 5.2/5.8 GHz)
AirPlay	AirPlay mode enabled devices transfer data directly between each other ☒ AirPlay (Wi-Fi 2.4 GHz) ☒ AirPlay (Wi-Fi 5 GHz)
Bluetooth Tethering (Hotspot)	BT Tethering mode permits the device to share its cellular data connection with other devices. ☒ BT Tethering (Bluetooth 2.4 GHz)

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6.2. Wireless Technologies

Wireless technologies	Frequency bands	Operating mode		Duty Cycle used for SAR testing
GSM	850 1900	Voice (GMSK) GPRS (GMSK) EDGE (8PSK)	GSM Class : B Multi-Slot Class: Class 10 - 2 Up, 4 Down	GSM Voice: 12.5% (E)GPRS: 1 Slot: 12.5% 2 Slots: 25%
		Does this device support DTM (Dual Transfer Mode)? ☐ Yes ☒ No		
CDMA (CDMA2000)	BC0 BC1 BC10	1xRTT (Voice & Data) 1xEV-DO Rel. 0 1xEV-DO Rev. A 1xAdvanced		100%
		Does this device support SV-DO (1xRTT-1xEVDO)? ☐ Yes ☒ No		
W-CDMA (UMTS)	Band 2 Band 4 Band 5	UMTS Rel. 99 (Voice & Data) HSDPA (Rel. 5) HSUPA (Rel. 6) HSPA+ (Rel. 7) DC-HSDPA (Rel. 8)		100%
LTE[4]	FDD Band 2 FDD Band 4 FDD Band 5 FDD Band 7 FDD Band 12 FDD Band 13 FDD Band 14 FDD Band 17 FDD Band 25 FDD Band 26 FDD Band 29 (DL Only) FDD Band 30 TDD Band 41[2] TDD Band 46 (DL Only) TDD Band 48 FDD Band 66 FDD Band 71 **Carrier Aggregation**[3] FDD Band 5B FDD Band 7C TDD Band 41C[2] TDD Band 48C	QPSK 16QAM 64AQM 256QAM Carrier Aggregation (2 Uplinks and 6 Downlinks)		100% (FDD) 63.3% (TDD) Power Class 3 43.3% (TDD) Power Class 2 Refer to §6.4
		Does this device support SV-LTE (1xRTT-LTE)? ☐ Yes ☒ No		
5G NR (FR1)	FDD band n2 FDD band n5 FDD band 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) 98.97% (802.11g/n 20MHz BW)
	5 GHz[1]	802.11a 802.11n (HT20) 802.11n (HT40) 802.11ac (VHT20) 802.11ac (VHT40) 802.11ac (VHT80) 802.11ax (HE20) 802.11ax (HE40) 802.11ax (HE80)		98.97% (802.11a/n/ac 20MHz BW) 97.84% (802.11n/ac 40MHz BW) 95.82% (802.11n/ac 80MHz BW)

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		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.

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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/		

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					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

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

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

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

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

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

Notes:

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

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6.4. LTE (TDD) Considerations

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

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

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

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

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

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

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

Note(s):

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

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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			

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	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:

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

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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

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SAR Characterization

Exposure Scenario			Head				Body-worn & Hotspot				P_{max} (dBm) Tune-up power table	
Spatial-average			1g				1g					
Test Distance			0 mm				5 mm					
Power Mode (DSI)		factor	Mode A (DSI=0)				Mode B (DSI=1)					
Antenna	Tech/Band		P_{design} (dBm) corresponding to 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	38.52	32.50	32.49	26.48	35.16	32.50	29.14	26.48	32.50	26.48
	GSM 1900 2 slots[1]	0.25	37.89	31.00	31.87	24.98	23.03	22.50	17.00	16.48	31.00	24.98
	W-CDMA B2	1	30.61	25.70	30.61	25.70	16.77	16.50	16.77	16.50	25.70	25.70
	W-CDMA B4	1	31.92	25.70	31.92	25.70	17.57	17.00	17.57	17.00	25.70	25.70
	W-CDMA B5	1	31.68	25.70	31.68	25.70	27.38	25.70	27.38	25.70	25.70	25.70
	CDMA BC0	1	31.32	25.70	31.32	25.70	26.09	25.70	26.09	25.70	25.70	25.70
	CDMA BC1	1	29.89	25.70	29.89	25.70	16.62	16.50	16.62	16.50	25.70	25.70
	CDMA BC10	1	31.90	25.70	31.90	25.70	27.58	25.70	27.58	25.70	25.70	25.70
	LTE Band 5	1	31.98	25.70	31.98	25.70	26.69	25.70	26.69	25.70	25.70	25.70
	LTE Band 7	1	30.12	25.70	30.12	25.70	19.51	19.50	19.51	19.50	25.70	25.70
	LTE Band 12/17	1	32.10	25.70	32.10	25.70	27.48	25.70	27.48	25.70	25.70	25.70
	LTE Band 13	1	32.06	25.70	32.06	25.70	27.60	25.70	27.60	25.70	25.70	25.70
	LTE Band 14	1	31.92	25.70	31.92	25.70	28.60	25.70	28.60	25.70	25.70	25.70
	LTE Band 25/2	1	30.68	25.70	30.68	25.70	16.64	16.50	16.64	16.50	25.70	25.70
	LTE Band 26	1	31.95	25.70	31.95	25.70	26.74	25.70	26.74	25.70	25.70	25.70
	LTE Band 30	1	27.90	25.70	27.90	25.70	21.08	21.00	21.08	21.00	25.70	25.70
	LTE Band 41[1]	0.633	31.12	25.70	29.13	23.71	22.37	22.25	20.38	20.26	25.70	23.71
	LTE Band 66/4	1	28.90	25.70	28.90	25.70	17.31	17.00	17.31	17.00	25.70	25.70
	LTE Band 71	1	32.19	25.70	32.19	25.70	27.43	25.70	27.43	25.70	25.70	25.70
	NR n5	1	32.82	25.70	32.82	25.70	28.12	25.70	28.12	25.70	25.70	25.70
	NR n12	1	30.31	25.70	30.31	25.70	28.84	25.70	28.84	25.70	25.70	25.70
	NR n25/2	1	34.84	25.70	34.84	25.70	17.23	16.50	17.23	16.50	25.70	25.70
	NR n41[1]	1	33.45	25.70	33.45	25.70	21.15	20.25	21.15	20.25	23.70	23.70
	NR n66	1	31.35	25.70	31.35	25.70	18.30	17.00	18.30	17.00	25.70	25.70
	NR n71	1	35.06	25.70	35.06	25.70	29.64	25.70	29.64	25.70	25.70	25.70

Exposure Scenario			Head				Body-worn & Hotspot				P_{max} (dBm) Tune-up power table	
Spatial-average			1g				1g					
Test Distance			0 mm				5 mm					
Power Mode (DSI)		factor	Mode A (DSI=0)				Mode B (DSI=1)					
Antenna	Tech/Band		P_{design} (dBm) corresponding to 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	32.40	31.00	26.38	24.98	33.94	31.00	27.92	24.98	31.00	24.98
	GSM 1900 2 slots[1]	0.25	26.79	26.00	20.77	19.98	26.83	26.25	20.80	20.23	28.50	22.48
	W-CDMA B2	1	20.86	20.00	20.86	20.00	20.99	20.25	20.99	20.25	23.10	23.10
	W-CDMA B4	1	18.57	18.50	18.57	18.50	17.32	17.25	17.32	17.25	23.10	23.10
	W-CDMA B5	1	25.05	23.90	25.05	23.90	26.82	23.90	26.82	23.90	23.90	23.90
	CDMA BC0	1	24.99	23.90	24.99	23.90	26.12	23.90	26.12	23.90	23.90	23.90
	CDMA BC1	1	20.64	20.00	20.64	20.00	20.34	20.25	20.34	20.25	23.10	23.10
	CDMA BC10	1	25.38	23.90	25.38	23.90	27.00	23.90	27.00	23.90	23.90	23.90
	LTE Band 5	1	25.01	24.50	25.01	24.50	28.66	24.50	28.66	24.50	24.50	24.50
	LTE Band 7	1	16.59	16.50	16.59	16.50	17.79	17.50	17.79	17.50	22.80	22.80
	LTE Band 12/17	1	26.05	23.90	26.05	23.90	28.63	23.90	28.63	23.90	23.90	23.90
	LTE Band 13	1	25.81	23.90	25.81	23.90	27.71	23.90	27.71	23.90	23.90	23.90
	LTE Band 14	1	26.41	23.90	26.41	23.90	25.57	23.90	25.57	23.90	23.90	23.90
	LTE Band 25/2	1	21.42	20.00	21.42	20.00	20.81	20.25	20.81	20.25	23.10	23.10
	LTE Band 26	1	25.70	24.50	25.70	24.50	25.57	24.50	25.57	24.50	24.50	24.50
	LTE Band 30	1	20.55	19.75	20.55	19.75	20.75	20.75	20.75	20.75	22.80	22.80
	LTE Band 41[1]	0.633	18.53	18.50	16.54	16.51	19.81	19.75	17.82	17.76	22.80	20.81
	LTE Band 66/4	1	18.50	18.50	18.50	18.50	17.32	17.25	17.32	17.25	23.10	23.10
	LTE Band 71	1	25.56	24.50	25.56	24.50	27.15	24.50	27.15	24.50	24.50	24.50
	NR n5	1	27.23	24.50	27.23	24.50	28.60	24.50	28.60	24.50	24.50	24.50
	NR n12	1	27.34	23.90	27.34	23.90	30.12	23.90	30.12	23.90	23.90	23.90
	NR n25/2	1	25.70	20.00	25.70	20.00	23.48	20.25	23.48	20.25	23.10	23.10
	NR n41[1]	1	16.61	16.50	16.61	16.50	18.22	17.75	18.22	17.75	25.70	25.70
	NR n66	1	21.10	18.50	21.10	18.50	19.50	17.25	19.50	17.25	23.10	23.10
	NR n71	1	27.82	24.50	27.82	24.50	29.17	24.50	29.17	24.50	24.50	24.50

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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
ANT3	GSM 1900 2 slots[1]	0.25	36.05	30.00	30.03	23.98	27.16	25.50	21.14	19.48	30.00	23.98
	W-CDMA B2	1	28.66	24.70	28.66	24.70	19.68	19.50	19.68	19.50	24.70	24.70
	W-CDMA B4	1	30.04	24.70	30.04	24.70	22.94	21.25	22.94	21.25	24.70	24.70
	LTE Band 7	1	23.21	23.00	23.21	23.00	18.08	18.00	18.08	18.00	25.00	25.00
	LTE Band 25/2	1	27.35	24.70	27.35	24.70	20.12	19.50	20.12	19.50	25.00	25.00
	LTE Band 30	1	27.25	24.70	27.25	24.70	20.29	20.25	20.29	20.25	25.00	25.00
	LTE Band 41[1]	0.633	26.81	24.70	24.82	22.71	20.09	20.00	18.10	18.01	25.00	23.01
	LTE Band 66/4	1	29.34	24.70	29.34	24.70	21.58	21.25	21.58	21.25	25.00	25.00
	NR n25/2	1	31.16	24.70	31.16	24.70	21.15	19.50	21.15	19.50	25.00	25.00
	NR n41[1]	1	28.09	24.25	28.09	24.25	19.36	18.00	19.36	18.00	22.00	22.00
	NR n66	1	31.48	24.70	31.48	24.70	23.11	21.25	23.11	21.25	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 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
ANT4	GSM 1900 2 slots[1]	0.25	25.15	25.00	19.13	18.98	26.65	26.25	20.63	20.23	28.00	21.98
	W-CDMA B2	1	19.12	19.00	19.12	19.00	20.51	20.25	20.51	20.25	22.70	22.70
	W-CDMA B4	1	20.32	20.00	20.32	20.00	21.21	21.00	21.21	21.00	22.70	22.70
	LTE Band 7	1	20.11	20.00	20.11	20.00	21.70	21.50	21.70	21.50	23.00	23.00
	LTE Band 25/2	1	19.55	19.00	19.55	19.00	20.57	20.25	20.57	20.25	23.00	23.00
	LTE Band 30	1	18.61	18.50	18.61	18.50	21.46	21.00	21.46	21.00	22.50	22.50
	LTE Band 41[1]	0.633	21.78	21.75	19.80	19.76	23.80	22.20	21.81	20.21	22.50	20.51
	LTE Band 48[1]	0.633	19.57	19.50	17.58	17.51	22.14	21.00	20.15	19.01	23.50	21.51
	LTE Band 66/4	1	20.29	20.00	20.29	20.00	21.01	21.00	21.01	21.00	23.00	23.00
	NR n25/2	1	20.43	19.00	20.43	19.00	21.42	20.25	21.42	20.25	23.00	23.00
	NR n41[1]	1	20.81	19.75	20.81	19.75	25.15	20.75	25.15	20.75	25.50	25.50
	NR n66	1	20.76	20.00	20.76	20.00	22.67	21.00	22.67	21.00	23.00	23.00
	NR n77	1	17.59	17.50	17.59	17.50	18.85	18.00	18.85	18.00	22.70	22.70

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
ANT7	LTE Band 48[1]	0.633	29.69	25.70	27.71	23.71	21.04	21.00	19.05	19.01	22.80	20.81
	NR n77[1]	1	27.84	25.70	27.84	25.70	18.26	18.25	18.26	18.25	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
ANT8	LTE Band 48[1]	0.633	22.11	22.00	20.12	20.01	20.11	20.00	18.12	18.01	22.70	20.71
	NR n77[1]	1	20.10	20.00	20.10	20.00	17.92	17.50	17.92	17.50	23.50	23.50

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 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
ANT9	LTE Band 48[1]	0.633	29.19	25.20	27.21	23.21	22.57	22.50	20.58	20.51	23.70	21.71
	NR n77[1]	1	31.84	25.20	31.84	25.20	20.07	19.50	20.07	19.50	25.50	25.50

Note(s):

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1. All P_{limit} EFS and maximum tune up output P_{max} levels entered in above Table correspond to average power levels after accounting for duty cycle in the case of TDD modulation schemes (for e.g., GSM & LTE TDD).
2. Measurement Condition: All conducted power and SAR measurements in this report (Part 1 test) were performed by setting Reserve_power_margin (Smart Transmit EFS entry) to 0 dB.
3. Only P_{limit} is considered for SAR Evaluation.
4. LTE B48 and 5G NR n41 was SAR tested at P_{limit}. LTE B48 and 5G NR n41 conducted power values are listed for information but this device will only transmit in this band up to P_{max} power levels. For these test configurations $P_{max} < P_{limit}$. Therefore, testing was conducted at ta level higher than P_{max}.

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7. RF Exposure Conditions (Test Configurations)

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

Antenna	Band	Rear	Front	Edge 1 (Top Edge)	Edge 2 (Right Edge)	Edge 3 (Bottom Edge)	Edge 4 (Left Edge)
ANT1	GSM 850/1900 WCDMA B2/4/5 CDMA BC0/1/10 LTE B2/4/5/7/12/13/14/17/25/26/30/41/66/71 5G(FR1) n2/n5/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.

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8. Dielectric Property Measurements & System Check

8.1. Dielectric Property Measurements

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

Tissue Dielectric Parameters

FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

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

IEEE Std 1528-2013
Refer to Table 3 within the IEEE Std 1528-2013

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

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Dielectric Property Measurements Results:

SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
A	6/29/2020	2600	Head	2600	39.09	39.01	0.20	1.93	1.96	-1.44
				2495	39.22	39.14	0.20	1.84	1.85	-0.41
				2690	38.87	38.90	-0.07	2.00	2.06	-2.94
A	7/6/2020	2600	Head	2600	37.25	39.01	-4.51	1.90	1.96	-3.22
				2495	37.39	39.14	-4.48	1.81	1.85	-2.31
				2690	37.07	38.90	-4.70	1.96	2.06	-4.64
A	7/9/2020	2600	Head	2600	39.05	39.01	0.10	1.97	1.96	0.25
				2495	39.18	39.14	0.09	1.87	1.85	1.37
				2690	38.88	38.90	-0.04	2.04	2.06	-1.09
A	7/13/2020	2600	Head	2600	37.76	39.01	-3.21	1.99	1.96	1.37
				2495	37.86	39.14	-3.28	1.89	1.85	2.40
				2690	37.57	38.90	-3.41	2.07	2.06	0.37
A	7/17/2020	3500	Head	3500	37.96	37.93	0.08	2.82	2.91	-3.04
				3600	37.78	37.82	-0.09	2.92	3.01	-3.12
				3700	37.59	37.70	-0.30	3.02	3.12	-3.22
A	7/21/2020	3500	Head	3500	39.31	37.93	3.64	2.78	2.91	-4.45
				3600	39.14	37.82	3.50	2.88	3.01	-4.58
				3700	38.96	37.70	3.34	2.97	3.12	-4.69
A	7/25/2020	3500	Head	3500	39.68	37.93	4.61	2.77	2.91	-4.73
				3600	39.54	37.82	4.56	2.87	3.01	-4.81
				3700	39.35	37.70	4.37	2.97	3.12	-4.72
A	7/25/2020	2600	Head	2600	40.82	39.01	4.64	1.91	1.96	-2.76
				2495	41.01	39.14	4.77	1.82	1.85	-1.55
				2690	40.65	38.90	4.51	1.97	2.06	-4.25
A	7/28/2020	3500	Head	3500	39.15	37.93	3.22	2.80	2.91	-3.97
				3600	38.97	37.82	3.05	2.89	3.01	-4.14
				3700	38.78	37.70	2.86	2.98	3.12	-4.37
A	7/29/2020	2600	Head	2600	38.85	39.01	-0.41	1.94	1.96	-1.03
				2495	39.00	39.14	-0.37	1.85	1.85	-0.14
				2690	38.70	38.90	-0.51	2.02	2.06	-2.16
A	8/2/2020	2600	Head	2600	40.37	39.01	3.48	1.89	1.96	-3.78
				2495	40.48	39.14	3.42	1.79	1.85	-3.01
				2690	40.20	38.90	3.35	1.96	2.06	-4.88
A	8/4/2020	3500	Head	3500	37.31	37.93	-1.63	2.91	2.91	-0.19
				3600	37.07	37.82	-1.97	3.00	3.01	-0.33
				3700	36.86	37.70	-2.23	3.11	3.12	-0.17
A	8/6/2020	2600	Head	2600	37.62	39.01	-3.57	1.94	1.96	-1.18
				2495	37.85	39.14	-3.30	1.85	1.85	-0.14
				2690	37.45	38.90	-3.72	2.01	2.06	-2.45
A	8/9/2020	2600	Head	2600	38.87	39.01	-0.36	1.93	1.96	-1.69
				2495	39.01	39.14	-0.34	1.84	1.85	-0.41
				2690	38.70	38.90	-0.51	1.99	2.06	-3.28

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
A	8/11/2020	1900	Head	1900	38.58	40.00	-3.55	1.44	1.40	2.50
				1850	38.67	40.00	-3.33	1.41	1.40	0.64
				1920	38.53	40.00	-3.68	1.44	1.40	3.14
A	8/13/2020	1900	Head	2600	38.24	39.01	-1.98	1.97	1.96	0.14
				2495	38.40	39.14	-1.90	1.88	1.85	1.48
				2690	38.04	38.90	-2.20	2.03	2.06	-1.33
A	8/18/2020	2600	Head	2600	37.96	39.01	-2.69	2.02	1.96	2.79
				2495	38.17	39.14	-2.49	1.93	1.85	4.56
				2690	37.78	38.90	-2.87	2.09	2.06	1.48
A	8/19/2020	3500	Head	3700	39.30	37.70	4.24	2.99	3.12	-4.08
				3900	38.97	37.47	3.99	3.16	3.32	-4.96
				4000	38.88	37.36	4.07	3.27	3.42	-4.45
A	8/24/2020	3500	Head	3700	39.39	37.70	4.48	3.02	3.12	-3.18
				3900	38.92	37.47	3.86	3.19	3.32	-3.97
				4000	38.84	37.36	3.96	3.24	3.29	-1.70
A	9/1/2020	3500	Head	3700	36.85	37.70	-2.26	3.03	3.12	-2.70
				3900	36.42	37.47	3.26	3.26	3.32	-1.74
				4000	36.16	37.36	-3.21	3.33	3.42	-2.72
A	9/5/2020	3500	Head	3700	36.92	37.70	-2.07	3.17	3.12	1.63
				3900	37.56	37.47	0.23	3.38	3.32	1.69
				4000	37.27	37.36	-0.24	3.58	3.42	4.46
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

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
B	6/29/2020	750	Head	750	42.49	41.96	1.26	0.88	0.89	-1.79
				660	42.89	42.42	1.10	0.85	0.89	-4.59
				800	42.29	41.71	1.40	0.89	0.90	-0.28
B	7/1/2020	3500	Head	3500	39.77	37.93	4.85	2.79	2.91	-4.24
				3600	39.59	37.82	4.69	2.89	3.01	-4.18
				3700	39.41	37.70	4.53	2.98	3.12	-4.31
B	7/6/2020	3500	Head	3500	38.25	37.93	0.84	2.78	2.91	-4.59
				3600	38.10	37.82	0.75	2.88	3.01	-4.38
				3700	37.90	37.70	0.53	2.97	3.12	-4.66
B	7/6/020	750	Head	750	43.58	41.96	3.86	0.90	0.89	0.86
				660	43.75	42.42	3.13	0.86	0.89	-2.77
				800	43.24	41.71	3.68	0.92	0.90	2.38
B	7/10/2020	3500	Head	3500	39.39	37.93	3.85	2.78	2.91	-4.69
				3600	39.21	37.82	3.69	2.87	3.01	-4.77
				3700	39.01	37.70	3.47	2.96	3.12	-4.92
B	7/13/2020	3500	Head	3500	37.71	37.93	-0.58	2.78	2.91	-4.59
				3600	37.56	37.82	-0.68	2.87	3.01	-4.64
				3700	37.39	37.70	-0.83	2.97	3.12	-4.82
B	7/13/2020	750	Head	750	40.71	41.96	-2.98	0.93	0.89	3.63
				660	41.00	42.42	-3.35	0.89	0.89	0.11
				800	40.48	41.71	-2.94	0.94	0.90	4.96
B	7/17/2020	3500	Head	3500	37.73	37.93	-0.53	2.87	2.91	-1.36
				3600	37.49	37.82	-0.86	2.97	3.01	-1.39
				3700	37.27	37.70	-1.14	3.07	3.12	-1.64
B	7/20/2020	3500	Head	3500	39.67	37.93	4.59	2.77	2.91	-4.83
				3600	39.52	37.82	4.51	2.86	3.01	-4.97
				3700	39.35	37.70	4.37	2.96	3.12	-4.95
B	7/25/2020	3500	Head	3500	39.59	37.93	4.38	2.77	2.91	-4.79
				3600	39.44	37.82	4.30	2.87	3.01	-4.77
				3700	39.25	37.70	4.11	2.97	3.12	-4.76
B	7/29/2020	3500	Head	3500	39.82	37.93	4.98	2.84	2.91	-2.46
				3600	39.63	37.82	4.80	2.93	3.01	-2.72
				3700	39.42	37.70	4.56	3.03	3.12	-2.70
B	8/2/2020	3500	Head	3500	38.27	37.93	0.90	2.89	2.91	-0.88
				3600	38.15	37.82	0.88	2.99	3.01	-0.89
				3700	37.87	37.70	0.45	3.09	3.12	-0.87
B	8/6/2020	3500	Head	3500	37.80	37.93	-0.34	2.78	2.91	-4.38
				3600	37.59	37.82	-0.60	2.88	3.01	-4.58
				3700	37.39	37.70	-0.83	2.98	3.12	-4.50

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
B	8/10/2020	3500	Head	3500	37.91	37.93	-0.05	2.81	2.91	-3.66
				3600	37.77	37.82	-0.12	2.92	3.01	-3.28
				3700	37.63	37.70	-0.19	3.01	3.12	-3.47
B	8/11/2020	3900	Head	3900	36.42	37.47	-2.81	3.21	3.32	-3.37
				3700	36.72	37.70	-2.60	3.02	3.12	-3.02
				4000	36.30	37.36	-2.84	3.38	3.42	-1.17
B	8/14/2020	3500	Head	3500	38.62	37.93	1.82	2.81	2.91	-3.63
				3600	38.35	37.82	1.41	2.90	3.01	-3.85
				3700	38.08	37.70	1.00	2.98	3.12	-4.31
B	8/14/2020	3900	Head	3900	37.86	37.47	1.03	3.19	3.32	-3.88
				3700	38.08	37.70	1.00	2.98	3.12	-4.37
				4000	37.58	37.36	0.59	3.30	3.42	-3.72
B	8/18/2020	3900	Head	3700	39.42	37.70	4.56	3.18	3.12	2.05
				3900	39.01	37.47	4.10	3.41	3.32	2.74
				4000	38.81	37.36	3.88	3.52	3.42	2.86
B	8/19/2020	3500	Head	3500	39.33	37.93	3.69	2.90	2.91	-0.47
				3600	39.16	37.82	3.56	3.00	3.01	-0.53
				3700	39.00	37.70	3.44	3.10	3.12	-0.46
B	8/24/2020	3500	Head	3500	39.34	37.93	3.72	2.78	2.91	-4.49
				3600	39.27	37.82	3.85	2.89	3.01	-4.21
				3700	39.12	37.70	3.76	2.99	3.12	-3.92
B	8/24/2020	3900	Head	3700	39.12	37.70	3.76	2.99	3.12	-3.92
				3900	38.67	37.47	3.19	3.17	3.32	-4.63
				4000	38.61	37.36	3.35	3.28	3.42	-4.33
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	3900	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

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

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

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
C	8/26/2020	2600	Head	2600	37.56	39.01	-3.72	1.94	1.96	-1.28
				2495	37.72	39.14	-3.64	1.85	1.85	0.13
				2690	37.41	38.90	-3.82	2.01	2.06	-2.55
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	9/3/2020	1900	Head	1900	39.76	40.00	-0.60	1.44	1.40	2.57
				1850	39.58	40.00	-1.05	1.42	1.40	1.29
				1920	39.58	40.00	-1.05	1.44	1.40	2.57
C	9/3/2020	2600	Head	2600	38.32	39.01	-1.77	1.94	1.96	-1.08
				2495	38.58	39.14	-1.44	1.86	1.85	0.67
				2690	38.49	38.90	-1.05	2.01	2.06	-2.45
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

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

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
D	8/2/2020	2600	Head	2600	38.04	39.01	-2.49	1.93	1.96	-1.59
				2495	38.13	39.14	-2.59	1.84	1.85	-0.58
				2690	37.87	38.90	-2.64	2.02	2.06	-1.92
D	8/6/2020	2600	Head	2600	39.42	39.01	1.05	1.91	1.96	-2.81
				2495	39.60	39.14	1.17	1.82	1.85	-1.71
				2690	39.25	38.90	0.91	1.98	2.06	-4.00
D	8/9/2020	2600	Head	2600	37.72	39.01	-3.31	1.97	1.96	0.50
				2495	37.86	39.14	-3.28	1.86	1.85	0.56
				2690	37.51	38.90	-3.57	2.02	2.06	-1.92
D	8/13/2020	2600	Head	2600	39.01	39.01	0.00	1.95	1.96	-0.62
				2495	39.20	39.14	0.14	1.86	1.85	0.61
				2690	38.80	38.90	-0.25	2.01	2.06	-2.40
D	8/15/2020	1900	Head	1900	38.64	40.00	-3.40	1.41	1.40	0.93
				1850	38.72	40.00	-3.20	1.38	1.40	-1.14
				1920	38.63	40.00	-3.42	1.42	1.40	1.36
D	8/19/2020	1900	Head	1900	38.71	40.00	-3.23	1.39	1.40	-0.50
				1850	38.89	40.00	-2.78	1.36	1.40	-2.57
				1920	38.77	40.00	-3.07	1.41	1.40	0.36
D	8/22/2020	2600	Head	2600	37.99	39.01	-2.62	1.95	1.96	-0.87
				2495	38.19	39.14	-2.44	1.86	1.85	0.72
				2690	37.85	38.90	-2.69	2.01	2.06	-2.21
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

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

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
E	8/21/2020	1900	Head	1900	39.51	40.00	-1.23	1.43	1.40	2.29
				1850	39.55	40.00	-1.13	1.40	1.40	-0.07
				1920	39.50	40.00	-1.25	1.44	1.40	2.86
E	9/3/2020	3500	Head	3700	37.37	37.70	-0.88	3.07	3.12	-1.35
				3900	36.99	37.47	-1.29	3.29	3.32	-0.99
				4000	36.81	37.36	-1.47	3.40	3.42	-0.82
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

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

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
F	8/9/2020	2300	Head	2300	38.84	39.47	-1.60	1.74	1.66	4.82
				2350	38.72	39.38	-1.69	1.78	1.71	4.47
				2400	38.69	39.30	-1.54	1.82	1.75	3.96
F	8/13/2020	2450	Head	2450	38.25	39.20	-2.42	1.77	1.80	-1.78
				2400	38.30	39.30	-2.54	1.73	1.75	-1.41
				2480	38.26	39.16	-2.30	1.78	1.83	-2.97
F	8/13/2020	2600	Head	2600	40.33	39.01	3.38	1.95	1.96	-0.87
				2495	40.44	39.14	3.31	1.86	1.85	0.45
				2690	40.13	38.90	3.17	2.01	2.06	-2.30
F	8/17/2020	2450	Head	2450	38.09	39.20	-2.83	1.75	1.80	-2.72
				2400	38.14	39.30	-2.94	1.71	1.75	-2.55
				2480	38.08	39.16	-2.76	1.76	1.83	-3.95
F	8/25/2020	5600	Head	5600	34.79	35.53	-2.09	5.12	5.06	1.26
				5500	35.07	35.65	-1.62	5.03	4.96	1.51
				5725	34.57	35.39	-2.32	5.28	5.19	1.73

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

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

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

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

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

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

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

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

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

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
4	8/13/2020	835	Head	835	41.96	41.50	1.11	0.92	0.90	2.11
				805	41.99	41.68	0.75	0.91	0.90	1.40
				850	41.19	41.50	-0.75	0.92	0.92	0.85
4	8/16/2020	750	Head	750	40.43	41.96	-3.65	0.92	0.89	3.32
				660	40.99	42.42	-3.38	0.89	0.89	0.57
				800	40.43	41.71	-3.06	0.94	0.90	4.48
4	8/17/2020	835	Head	835	41.01	41.50	-1.18	0.94	0.90	3.91
				805	41.06	41.68	-1.49	0.93	0.90	3.10
				850	40.99	41.50	-1.23	0.94	0.92	2.60
4	8/17/2020	1750	Head	1750	40.45	40.08	0.91	1.34	1.37	-2.41
				1710	40.52	40.15	0.93	1.32	1.35	-2.33
				1755	40.44	40.08	0.91	1.34	1.37	-2.32
4	8/19/2020	2600	Head	2600	38.48	39.01	-1.36	1.96	1.96	-0.26
				2495	38.64	39.14	-1.29	1.86	1.85	0.67
				2690	38.29	38.90	-1.56	2.03	2.06	-1.43
4	8/24/2020	1900	Head	1900	41.20	40.00	3.00	1.46	1.40	4.14
				1850	41.25	40.00	3.13	1.43	1.40	2.00
				1920	41.16	40.00	2.90	1.47	1.40	4.79
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	9/4/2020	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

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

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

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

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

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
L1	8/19/2020	3500	Head	3500	39.40	37.93	3.88	2.90	2.91	-0.54
				3700	39.02	37.70	3.50	3.10	3.12	-0.65
				3600	39.20	37.82	3.66	3.00	3.01	-0.59
L1	8/24/2020	3500	Head	3500	36.47	37.93	-3.85	2.81	2.91	-3.42
				3700	36.16	37.70	-4.09	2.98	3.12	-4.50
				3600	36.47	37.82	-3.56	2.90	3.01	-3.88
L1	9/5/2020	3500	Head	3500	36.61	37.93	-3.48	3.00	2.91	2.93
				3700	36.35	37.70	-3.58	3.21	3.12	2.98
				3600	36.44	37.82	-3.64	3.10	3.01	2.92

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
L2	7/16/2020	5200	Head	5200	35.16	35.99	-2.31	4.69	4.65	0.73
				5150	35.18	36.05	-2.41	4.65	4.60	1.05
				5350	34.90	35.82	-2.57	4.86	4.80	1.16
L2	7/16/2020	5600	Head	5600	34.47	35.53	-2.99	5.08	5.06	0.35
				5500	34.63	35.65	-2.86	4.98	4.96	0.45
				5725	34.18	35.39	-3.42	5.26	5.19	1.31
L2	7/16/2020	5800	Head	5800	34.02	35.30	-3.63	5.35	5.27	1.50
				5700	34.29	35.42	-3.19	5.22	5.16	1.13
				5850	34.04	35.30	-3.57	5.41	5.27	2.62
L2	7/21/2020	5200	Head	5200	35.43	35.99	-1.56	4.44	4.65	-4.64
				5150	35.49	36.05	-1.55	4.38	4.60	-4.74
				5350	35.13	35.82	-1.92	4.60	4.80	-4.26
L2	7/21/2020	5600	Head	5600	34.76	35.53	-2.18	4.86	5.06	-4.02
				5500	34.92	35.65	-2.04	4.74	4.96	-4.44
				5725	34.47	35.39	-2.60	5.02	5.19	-3.30
L2	7/21/2020	5800	Head	5800	34.39	35.30	-2.58	5.10	5.27	-3.30
				5700	34.56	35.42	-2.43	4.98	5.16	-3.63
				5850	34.32	35.30	-2.78	5.14	5.27	-2.50
L2	7/25/2020	5200	Head	5200	36.42	35.99	1.19	4.46	4.65	-4.15
				5150	36.52	36.05	1.31	4.40	4.60	-4.45
				5350	36.19	35.82	1.04	4.64	4.80	-3.44
L2	7/25/2020	5600	Head	5600	35.90	35.53	1.03	4.88	5.06	-3.54
				5500	36.04	35.65	1.10	4.76	4.96	-3.91
				5725	35.67	35.39	0.79	5.04	5.19	-2.95
L2	7/25/2020	5800	Head	5800	35.58	35.30	0.79	5.11	5.27	-3.11
				5700	35.77	35.42	0.99	4.99	5.16	-3.28
				5850	35.49	35.30	0.54	5.17	5.27	-1.92
L2	7/29/2020	5200	Head	5200	35.98	35.99	-0.03	4.43	4.65	-4.75
				5150	36.02	36.05	-0.08	4.38	4.60	-4.76
				5350	35.68	35.82	-0.39	4.61	4.80	-4.15
L2	7/29/2020	5600	Head	5600	35.30	35.53	-0.66	4.86	5.06	-3.96
				5500	35.47	35.65	-0.50	4.74	4.96	-4.31
				5725	35.04	35.39	-0.99	5.03	5.19	-3.13
L2	7/29/2020	5800	Head	5800	34.92	35.30	-1.08	5.11	5.27	-3.09
				5700	35.13	35.42	-0.82	4.99	5.16	-3.42
				5850	34.85	35.30	-1.27	5.15	5.27	-2.22
L2	8/1/2020	5200	Head	5200	34.97	35.99	-2.83	4.46	4.65	-4.02
				5150	35.01	36.05	-2.88	4.43	4.60	-3.78
				5350	34.66	35.82	-3.24	4.64	4.80	-3.49
L2	8/1/2020	5600	Head	5600	34.27	35.53	-3.56	4.89	5.06	-3.46
				5500	34.43	35.65	-3.42	4.78	4.96	-3.65
				5725	34.01	35.39	-3.90	5.05	5.19	-2.64
L2	8/1/2020	5800	Head	5800	33.93	35.30	-3.88	5.13	5.27	-2.68
				5700	34.10	35.42	-3.73	5.02	5.16	-2.86
				5850	33.85	35.30	-4.11	5.17	5.27	-1.92

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
L2	8/6/2020	5200	Head	5200	37.22	35.99	3.42	4.61	4.65	-0.88
				5150	37.26	36.05	3.36	4.56	4.60	-0.78
				5350	36.96	35.82	3.19	4.78	4.80	-0.61
L2	8/6/2020	5600	Head	5600	36.26	35.53	2.04	5.08	5.06	0.39
				5500	36.53	35.65	2.47	4.94	4.96	-0.38
				5725	35.89	35.39	1.41	5.26	5.19	1.46
L2	8/6/2020	5800	Head	5800	35.80	35.30	1.42	5.36	5.27	1.75
				5700	36.00	35.42	1.64	5.22	5.16	1.09
				5850	35.77	35.30	1.33	5.41	5.27	2.64
L2	8/10/2020	5200	Head	5200	35.30	35.99	-1.92	4.58	4.65	-1.63
				5150	35.34	36.05	-1.96	4.53	4.60	-1.58
				5350	35.00	35.82	-2.29	4.75	4.80	-1.05
L2	8/10/2020	5600	Head	5600	34.60	35.53	-2.63	5.00	5.06	-1.17
				5500	34.76	35.65	-2.49	4.89	4.96	-1.35
				5725	34.32	35.39	-3.03	5.17	5.19	-0.43
L2	8/10/2020	5800	Head	5800	34.22	35.30	-3.06	5.24	5.27	-0.49
				5700	34.42	35.42	-2.82	5.13	5.16	-0.63
				5850	34.18	35.30	-3.17	5.29	5.27	0.34
L2	8/14/2020	5200	Head	5200	35.23	35.99	-2.11	4.54	4.65	-2.36
				5150	35.24	36.05	-2.24	4.52	4.60	-1.67
				5350	34.85	35.82	-2.71	4.68	4.80	-2.51
L2	8/14/2020	5600	Head	5600	34.24	35.53	-3.64	4.94	5.06	-2.40
				5500	34.45	35.65	-3.36	4.83	4.96	-2.58
				5725	33.89	35.39	-4.24	5.13	5.19	-1.20
L2	8/14/2020	5800	Head	5800	33.87	35.30	-4.05	5.23	5.27	-0.85
				5700	34.00	35.42	-4.01	5.09	5.16	-1.35
				5850	33.75	35.30	-4.39	5.26	5.27	-0.28
L2	8/18/2020	5200	Head	5200	35.78	35.99	-0.58	4.59	4.65	-1.25
				5150	35.91	36.05	-0.38	4.53	4.60	-1.63
				5350	35.52	35.82	-0.83	4.77	4.80	-0.80
L2	8/18/2020	5600	Head	5600	35.09	35.53	-1.25	5.05	5.06	-0.30
				5500	35.27	35.65	-1.06	4.93	4.96	-0.62
				5725	34.86	35.39	-1.50	5.20	5.19	0.25
L2	8/18/2020	5800	Head	5800	34.73	35.30	-1.61	5.28	5.27	0.23
				5700	34.90	35.42	-1.47	5.16	5.16	0.03
				5850	34.63	35.30	-1.90	5.34	5.27	1.35
L2	8/19/2020	2600	Head	2600	37.85	39.01	-2.98	1.94	1.96	-0.98
				2495	37.95	39.14	-3.05	1.84	1.85	-0.36
				2690	37.68	38.90	-3.13	2.02	2.06	-2.06
L2	8/24/2020	2600	Head	2600	37.63	39.01	-3.54	1.90	1.96	-3.42
				2495	37.78	39.14	-3.48	1.82	1.85	-1.82
				2690	37.40	38.90	-3.85	1.97	2.06	-4.34

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			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	9/5/2020	2600	Head	2600	39.99	39.01	2.51	2.03	1.96	3.25
				2495	40.11	39.14	2.47	1.93	1.85	4.35
				2690	39.74	38.90	2.17	2.13	2.06	3.23
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

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
L3	7/16/2020	1750	Head	1750	40.48	40.08	0.99	1.33	1.37	-2.99
				1710	40.51	40.15	0.91	1.31	1.35	-2.85
				1755	40.48	40.08	1.01	1.33	1.37	-2.97
L3	7/20/2020	1750	Head	1750	39.47	40.08	-1.53	1.36	1.37	-0.44
				1710	39.62	40.15	-1.31	1.32	1.35	-2.26
				1755	39.49	40.08	-1.46	1.37	1.37	-0.35
L3	7/25/2020	1750	Head	1750	38.95	40.08	-2.83	1.32	1.37	-3.65
				1710	39.02	40.15	-2.81	1.30	1.35	-3.15
				1755	38.94	40.08	-2.84	1.32	1.37	-3.70
L3	7/29/2020	1750	Head	1750	38.17	40.08	-4.78	1.36	1.37	-0.51
				1710	38.27	40.15	-4.67	1.34	1.35	-0.18
				1755	38.17	40.08	-4.76	1.37	1.37	-0.50
L3	8/1/2020	1750	Head	1750	40.42	40.08	0.84	1.35	1.37	-1.53
				1710	40.48	40.15	0.83	1.33	1.35	-1.44
				1755	40.42	40.08	0.86	1.35	1.37	-1.44
L3	8/5/2020	2600	Head	2600	40.16	39.01	2.95	1.98	1.96	0.81
				2495	40.35	39.14	3.08	1.87	1.85	1.37
				2690	40.02	38.90	2.89	2.05	2.06	-0.31
L3	8/8/2020	2600	Head	2600	39.49	39.01	1.23	1.91	1.96	-2.71
				2495	39.59	39.14	1.14	1.82	1.85	-1.82
				2690	39.28	38.90	0.98	2.01	2.06	-2.64
L3	8/11/2020	1750	Head	1750	40.13	40.08	0.11	1.38	1.37	0.66
				1710	40.21	40.15	0.16	1.36	1.35	0.94
				1755	40.13	40.08	0.13	1.38	1.37	0.67
L3	8/11/2020	2300	Head	2300	40.48	39.47	2.55	1.73	1.66	3.80
				2350	40.36	39.38	2.48	1.77	1.71	3.82
				2400	40.23	39.30	2.37	1.81	1.75	3.27
L3	8/12/2020	2600	Head	2600	37.81	39.01	-3.08	2.01	1.96	2.34
				2495	37.88	39.14	-3.23	1.90	1.85	2.99
				2690	37.56	38.90	-3.44	2.09	2.06	1.48
L3	8/16/2020	2600	Head	2600	39.22	39.01	0.54	1.91	1.96	-2.56
				2495	39.38	39.14	0.60	1.82	1.85	-1.44
				2690	39.02	38.90	0.32	1.98	2.06	-3.86
L3	8/21/2020	3500	Head	3500	39.74	37.93	4.77	2.80	2.91	-3.90
				3600	39.56	37.82	4.61	2.89	3.01	-4.04
				3700	39.41	37.70	4.53	2.99	3.12	-4.18
L3	9/2/2020	3500	Head	3500	39.27	37.93	3.53	2.85	2.91	-2.15
				3400	39.39	38.04	3.54	2.75	2.81	-2.00
				3600	39.04	37.82	3.24	2.95	3.01	-2.22
L3	9/6/2020	3500	Head	3500	37.80	37.93	-0.34	2.85	2.91	-2.08
				3400	37.98	38.04	-0.17	2.78	2.81	-1.08
				3600	37.66	37.82	-0.41	2.94	3.01	-2.42

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

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
L4	8/24/2020	1750	Head	1750	41.96	40.08	4.68	1.41	1.37	2.63
				1710	42.04	40.15	4.72	1.39	1.35	3.09
				1755	41.96	40.08	4.70	1.41	1.37	2.57
L4	9/2/2020	3500	Head	3500	36.50	37.93	-3.77	3.00	2.91	3.17
				3600	36.60	37.82	-3.21	3.11	3.01	3.22
				3700	36.12	37.70	-4.19	3.23	3.12	3.72
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

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

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8.2. System Check

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

System Performance Check Measurement Conditions:

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

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System Check Results

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

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
A	6/29/2020	Head	D2600V2 SN:1036	4/17/2021	6.000	60.00	56.53	6.14	2.700	27.00	25.23	7.02	
A	7/6/2020	Head	D2600V2 SN:1036	4/17/2021	5.900	59.00	56.53	4.37	2.670	26.70	25.23	5.83	
A	7/9/2020	Head	D2600V2 SN:1036	4/17/2021	5.990	59.90	56.53	5.96	2.680	26.80	25.23	6.22	
A	7/13/2020	Head	D2600V2 SN:1036	4/17/2021	5.810	58.10	56.53	2.78	2.600	26.00	25.23	3.05	
A	7/17/2020	Head	D3500V2 SN:1060	3/12/2021	7.060	70.60	64.89	8.80	2.700	27.00	24.80	8.87	1,2
A	7/17/2020	Head	D3700V2 SN:1039	5/11/2021	6.330	63.30	67.00	-5.52	2.330	23.30	24.10	-3.32	
A	7/21/2020	Head	D3500V2 SN:1060	3/12/2021	6.190	61.90	64.89	-4.61	2.380	23.80	24.80	-4.03	
A	7/21/2020	Head	D3700V2 SN:1039	5/11/2021	6.600	66.00	67.00	-1.49	2.450	24.50	24.10	1.66	
A	7/25/2020	Head	D3500V2 SN:1060	3/12/2021	6.090	60.90	64.89	-6.15	2.350	23.50	24.80	-5.24	
A	7/25/2020	Head	D3700V2 SN:1039	5/11/2021	6.250	62.50	67.00	-6.72	2.320	23.20	24.10	-3.73	3,4
A	7/25/2020	Head	D2600V2 SN:1006	10/14/2020	5.570	55.70	55.70	0.00	2.490	24.90	25.10	-0.80	
A	7/28/2020	Head	D3500V2 SN:1060	3/12/2021	6.670	66.70	64.89	2.79	2.560	25.60	24.80	3.23	
A	7/28/2020	Head	D3700V2 SN:1039	5/11/2021	6.770	67.70	67.00	1.04	2.520	25.20	24.10	4.56	
A	7/29/2020	Head	D2600V2 SN:1006	10/14/2020	5.740	57.40	55.70	3.05	2.560	25.60	25.10	1.99	
A	8/2/2020	Head	D2600V2 SN:1006	10/14/2020	5.510	55.10	55.70	-1.08	2.460	24.60	25.10	-1.99	
A	8/4/2020	Head	D3500V2 SN:1060	3/12/2021	6.960	69.60	64.89	7.26	2.670	26.70	24.80	7.66	
A	8/4/2020	Head	D3700V2 SN:1039	5/11/2021	7.100	71.00	67.00	5.97	2.630	26.30	24.10	9.13	
A	8/6/2020	Head	D2600V2 SN:1006	10/14/2020	5.930	59.30	55.70	6.46	2.660	26.60	25.10	5.98	
A	8/9/2020	Head	D2600V2 SN:1006	10/14/2020	6.010	60.10	55.70	7.90	2.680	26.80	25.10	6.77	5,6
A	8/11/2020	Head	D1900V2 SN:5d140	4/21/2021	4.180	41.80	38.77	7.82	2.130	21.30	19.90	7.04	7,8
A	8/13/2020	Head	D2600V2 SN:1036	4/17/2021	6.130	61.30	56.53	8.44	2.750	27.50	25.23	9.00	9,10
A	8/18/2020	Head	D2600V2 SN:1036	4/17/2021	5.330	53.30	56.53	-5.71	2.370	23.70	25.23	-6.06	
A	8/19/2020	Head	D3700V2 SN:1039	5/11/2021	6.910	69.10	67.00	3.13	2.580	25.80	24.10	7.05	
A	8/19/2020	Head	D3900V2 SN:1052	8/3/2021	7.120	71.20	70.10	1.57	2.540	25.40	24.30	4.53	
A	8/24/2020	Head	D3900V2 SN:1052	8/3/2021	6.750	67.50	70.10	-3.71	2.420	24.20	24.30	-0.41	11,12
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	9/5/2020	Head	D3900V2 SN:1052	8/3/2021	6.930	69.30	70.10	-1.14	2.490	24.90	24.30	2.47	
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	

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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 %	
B	6/29/2020	Head	D750V3 SN:1071	11/20/2020	0.869	8.69	8.52	2.00	0.574	5.74	5.56	3.24	
B	7/1/2020	Head	D3500V2 SN:1060	3/12/2021	6.410	64.10	64.89	-1.22	2.520	25.20	24.80	1.61	
B	7/6/2020	Head	D3500V2 SN:1060	3/12/2021	6.660	66.60	64.89	2.64	2.610	26.10	24.80	5.24	
B	7/6/2020	Head	D3700V2 SN:1039	5/11/2021	6.380	63.80	67.00	-4.78	2.460	24.60	24.10	2.07	
B	7/6/2020	Head	D750V3 SN:1071	11/20/2020	0.891	8.91	8.52	4.58	0.591	5.91	5.56	6.29	13,14
B	7/10/2020	Head	D3500V2 SN:1011	4/17/2021	6.820	68.20	68.87	-0.97	2.630	26.30	26.47	-0.64	
B	7/10/2020	Head	D3700V2 SN:1039	5/11/2021	6.750	67.50	67.00	0.75	2.510	25.10	24.10	4.15	
B	7/13/2020	Head	D3500V2 SN:1060	3/12/2021	6.410	64.10	64.89	-1.22	2.440	24.40	24.80	-1.61	
B	7/13/2020	Head	D3700V2 SN:1039	5/11/2021	6.910	69.10	67.00	3.13	2.570	25.70	24.10	6.64	
B	7/13/2020	Head	D750V3 SN:1071	11/20/2020	0.887	8.87	8.52	4.11	0.585	5.85	5.56	5.22	
B	7/17/2020	Head	D3500V2 SN:1060	3/12/2021	6.580	65.80	64.89	1.40	2.520	25.20	24.80	1.61	
B	7/17/2020	Head	D3700V2 SN:1039	5/11/2021	6.770	67.70	67.00	1.04	2.530	25.30	24.10	4.98	
B	7/20/2020	Head	D3500V2 SN:1011	4/17/2021	6.610	66.10	68.87	-4.02	2.530	25.30	26.47	-4.42	
B	7/20/2020	Head	D3700V2 SN:1039	5/11/2021	6.620	66.20	67.00	-1.19	2.470	24.70	24.10	2.49	
B	7/25/2020	Head	D3500V2 SN:1060	3/12/2021	6.640	66.40	64.89	2.33	2.570	25.70	24.80	3.63	
B	7/25/2020	Head	D3700V2 SN:1039	5/11/2021	7.090	70.90	67.00	5.82	2.650	26.50	24.10	9.96	
B	7/29/2020	Head	D3700V2 SN:1039	5/11/2021	7.010	70.10	67.00	4.63	2.620	26.20	24.10	8.71	
B	7/29/2020	Head	D3500V2 SN:1060	3/12/2021	6.610	66.10	64.89	1.86	2.560	25.60	24.80	3.23	
B	8/2/2020	Head	D3500V2 SN:1060	3/12/2021	6.820	68.20	64.89	5.10	2.660	26.60	24.80	7.26	
B	8/2/2020	Head	D3700V2 SN:1039	5/11/2021	6.660	66.60	67.00	-0.60	2.510	25.10	24.10	4.15	
B	8/6/2020	Head	D3500V2 SN:1060	3/12/2021	6.030	60.30	64.89	-7.07	2.360	23.60	24.80	-4.84	15,16
B	8/6/2020	Head	D3700V2 SN:1039	5/11/2021	6.410	64.10	67.00	-4.33	2.430	24.30	24.10	0.83	
B	8/10/2020	Head	D3500V2 SN:1060	3/12/2021	6.060	60.60	64.89	-6.61	2.380	23.80	24.80	-4.03	
B	8/10/2020	Head	D3700V2 SN:1039	5/11/2021	6.640	66.40	67.00	-0.90	2.500	25.00	24.10	3.73	
B	8/11/2020	Head	D3900V2 SN:1052	8/3/2021	7.350	73.50	70.10	4.85	2.640	26.40	24.30	8.64	
B	8/14/2020	Head	D3500V2 SN:1060	3/12/2021	6.750	67.50	64.89	4.02	2.650	26.50	24.80	6.85	
B	8/14/2020	Head	D3700V2 SN:1039	5/11/2021	6.82	68.20	67.00	1.79	2.60	26.00	24.10	7.88	
B	8/14/2020	Head	D3900V2 SN:1052	8/3/2021	7.040	70.40	70.10	0.43	2.570	25.70	24.30	5.76	
B	8/18/2020	Head	D3900V2 SN:1052	8/3/2021	7.380	73.80	70.10	5.28	2.670	26.70	24.30	9.88	17,18
B	8/19/2020	Head	D3500V2 SN:1011	4/17/2021	7.540	75.40	68.87	9.48	2.910	29.10	26.47	9.94	19,20
B	8/19/2020	Head	D3700V2 SN:1039	5/11/2021	6.650	66.50	67.00	-0.75	2.550	25.50	24.10	5.81	
B	8/24/2020	Head	D3500V2 SN:1011	4/17/2021	7.370	73.70	68.87	7.01	2.900	29.00	26.47	9.56	
B	8/24/2020	Head	D3700V2 SN:1039	5/11/2021	6.080	60.80	67.00	-9.25	2.320	23.20	24.10	-3.73	21,22
B	8/24/2020	Head	D3900V2 SN:1052	8/3/2021	7.210	72.10	70.10	2.85	2.620	26.20	24.30	7.82	
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	
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	

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SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
C	7/17/2020	Head	D750V3 SN:1071	11/20/2020	0.886	8.86	8.52	3.99	0.583	5.83	5.56	4.86	
C	7/17/2020	Head	D835V2 SN:4d142	8/23/2020	1.000	10.00	9.61	4.06	0.654	6.54	6.22	5.14	
C	7/20/2020	Head	D750V3 SN:1071	11/20/2020	0.855	8.55	8.52	0.35	0.561	5.61	5.56	0.90	
C	7/20/2020	Head	D835V2 SN:4d142	8/23/2020	1.040	10.40	9.61	8.22	0.672	6.72	6.22	8.04	
C	7/23/2020	Head	D750V3 SN:1071	11/20/2020	0.836	8.36	8.52	-1.88	0.547	5.47	5.56	-1.62	
C	7/23/2020	Head	D835V2 SN:4d142	8/23/2020	0.957	9.57	9.61	-0.42	0.623	6.23	6.22	0.16	
C	7/27/2020	Head	D750V3 SN:1071	11/20/2020	0.858	8.58	8.52	0.70	0.558	5.58	5.56	0.36	
C	7/27/2020	Head	D835V2 SN:4d142	8/23/2020	0.966	9.66	9.61	0.52	0.623	6.23	6.22	0.16	
C	7/31/2020	Head	D750V3 SN:1071	11/20/2020	0.835	8.35	8.52	-2.00	0.542	5.42	5.56	-2.52	
C	7/31/2020	Head	D835V2 SN:4d142	8/23/2020	1.050	10.50	9.61	9.26	0.639	6.39	6.22	2.73	23,24
C	8/2/2020	Head	D1900V2 SN:5d140	4/21/2021	3.980	39.80	38.77	2.66	2.040	20.40	19.90	2.51	
C	8/4/2020	Head	D750V3 SN:1071	11/20/2020	0.862	8.62	8.52	1.17	0.561	5.61	5.56	0.90	
C	8/4/2020	Head	D835V2 SN:4d142	8/23/2020	1.010	10.10	9.61	5.10	0.656	6.56	6.22	5.47	
C	8/6/2020	Head	D1900V2 SN:5d140	4/21/2021	3.940	39.40	38.77	1.62	2.060	20.60	19.90	3.52	
C	8/8/2020	Head	D750V3 SN:1071	11/20/2020	0.853	8.53	8.52	0.12	0.552	5.52	5.56	-0.72	
C	8/8/2020	Head	D835V2 SN:4d142	8/23/2020	0.955	9.55	9.61	-0.62	0.580	5.80	6.22	-6.75	
C	8/10/2020	Head	D1900V2 SN:5d140	4/21/2021	4.160	41.60	38.77	7.30	2.140	21.40	19.90	7.54	
C	8/12/2020	Head	D750V3 SN:1071	11/20/2020	0.899	8.99	8.52	5.52	0.583	5.83	5.56	4.86	
C	8/12/2020	Head	D835V2 SN:4d002	11/20/2020	1.030	10.30	9.78	5.32	0.663	6.63	6.37	4.08	
C	8/16/2020	Head	D750V3 SN:1071	11/20/2020	0.937	9.37	8.52	9.98	0.610	6.10	5.56	9.71	25,26
C	8/16/2020	Head	D835V2 SN:4d002	11/20/2020	1.060	10.60	9.78	8.38	0.682	6.82	6.37	7.06	27,28
C	8/17/2020	Head	D1750V2 SN:1053	10/10/2020	3.440	34.40	37.20	-7.53	1.830	18.30	19.60	-6.63	29,30
C	8/20/2020	Head	D750V3 SN:1071	11/20/2020	0.911	9.11	8.52	6.92	0.592	5.92	5.56	6.47	
C	8/20/2020	Head	D835V2 SN:4d002	11/20/2020	1.060	10.60	9.78	8.38	0.641	6.41	6.37	0.63	
C	8/21/2020	Head	D2300V2 SN:1002	4/17/2021	5.410	54.10	49.76	8.72	2.590	25.90	23.64	9.56	31,32
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	33,34
C	8/26/2020	Head	D2600V2 SN:1006	10/14/2020	5.98	59.80	55.70	7.36	2.69	26.90	25.10	7.17	35,36
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	9/3/2020	Head	D1900V2 SN:5d140	4/21/2021	4.210	42.10	38.77	8.59	2.180	21.80	19.90	9.55	37,38
C	9/3/2020	Head	D2600V2 SN:1036	4/17/2021	5.170	51.70	56.53	-8.54	2.340	23.40	25.23	-7.25	39,40
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	

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SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
D	6/29/2020	Head	D835V2 SN:4d142	8/23/2020	0.931	9.31	9.61	-3.12	0.610	6.10	6.22	-1.93	41,42
D	7/1/2020	Head	D750V3 SN:1071	11/20/2020	0.788	7.88	8.52	-7.51	0.517	5.17	5.56	-7.01	
D	7/6/2020	Head	D750V3 SN:1071	11/20/2020	0.774	7.74	8.52	-9.15	0.512	5.12	5.56	-7.91	43,44
D	7/7/2020	Head	D835V2 SN:4d142	8/23/2020	0.990	9.90	9.61	3.02	0.648	6.48	6.22	4.18	
D	7/9/2020	Head	D750V3 SN:1071	11/20/2020	0.792	7.92	8.52	-7.04	0.522	5.22	5.56	-6.12	
D	7/10/2020	Head	D1900V2 SN:5d043	11/20/2020	4.080	40.80	40.40	0.99	2.100	21.00	21.10	-0.47	
D	7/13/2020	Head	D1900V2 SN:5d043	11/20/2020	4.090	40.90	40.40	1.24	2.110	21.10	21.10	0.00	45,46
D	7/14/202	Head	D1750V2 SN:1077	10/10/2020	3.540	35.40	37.00	-4.32	1.880	18.80	19.40	-3.09	47,48
D	7/14/2020	Head	D835V2 SN:4d142	8/23/2020	0.981	9.81	9.61	2.08	0.642	6.42	6.22	3.22	
D	7/17/2020	Head	D2600V2 SN:1036	4/17/2021	5.600	56.00	56.53	-0.94	2.520	25.20	25.23	-0.12	
D	7/21/2020	Head	D2600V2 SN:1006	10/14/2020	5.310	53.10	55.70	-4.67	2.400	24.00	25.10	-4.38	
D	7/25/2020	Head	D2600V2 SN:1006	10/14/2020	5.870	58.70	55.70	5.39	2.630	26.30	25.10	4.78	
D	7/29/2020	Head	D2600V2 SN:1006	10/14/2020	5.210	52.10	55.70	-6.46	2.340	23.40	25.10	-6.77	49,50
D	8/2/2020	Head	D2600V2 SN:1006	10/14/2020	5.620	56.20	55.70	0.90	2.500	25.00	25.10	-0.40	
D	8/6/2020	Head	D2600V2 SN:1006	10/14/2020	5.660	56.60	55.70	1.62	2.570	25.70	25.10	2.39	
D	8/9/2020	Head	D2600V2 SN:1006	10/14/2020	5.600	56.00	55.70	0.54	2.500	25.00	25.10	-0.40	
D	8/13/2020	Head	D2600V2 SN:1036	4/17/2021	5.870	58.70	56.53	3.84	2.620	26.20	25.23	3.84	
D	8/15/2020	Head	D1900V2 SN:5d140	4/21/2021	4.160	41.60	38.77	7.30	2.130	21.30	19.90	7.04	51,52
D	8/19/2020	Head	D1900V2 SN:5d140	4/21/2021	3.920	39.20	38.77	1.11	2.020	20.20	19.90	1.51	
D	8/22/2020	Head	D2600V2 SN:1036	4/17/2021	5.950	59.50	56.53	5.25	2.650	26.50	25.23	5.03	53,54
D	8/26/2020	Head	D2600V2 SN:1036	4/17/2021	5.700	57.00	56.53	0.83	2.670	26.70	25.23	5.83	

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
E	6/29/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.760	77.60	79.20	-2.02	2.250	22.50	22.50	0.00	55,56
E	7/6/2020	Head	D5GHzV2 SN:1138 (5.2 GHz)	8/26/2020	8.010	80.10	80.30	-0.25	2.320	23.20	23.00	0.87	
E	7/9/2020	Head	D5GHzV2 SN:1138 (5.2 GHz)	8/26/2020	8.270	82.70	80.30	2.99	2.420	24.20	23.00	5.22	
E	7/13/2020	Head	D5GHzV2 SN:1138 (5.2 GHz)	8/26/2020	8.310	83.10	80.30	3.49	2.420	24.20	23.00	5.22	57,58
E	7/17/2020	Head	D1900V2 SN:5d140	4/21/2021	4.110	41.10	38.77	6.01	2.120	21.20	19.90	6.53	
E	7/20/2020	Head	D1900V2 SN:5d140	4/21/2021	4.200	42.00	38.77	8.33	2.150	21.50	19.90	8.04	
E	7/24/2020	Head	D1900V2 SN:5d140	4/21/2021	4.160	41.60	38.77	7.30	2.120	21.20	19.90	6.53	
E	7/28/2020	Head	D1900V2 SN:5d140	4/21/2021	4.240	42.40	38.77	9.36	2.170	21.70	19.90	9.05	59,60
E	8/1/2020	Head	D1900V2 SN:5d140	4/21/2021	4.150	41.50	38.77	7.04	2.120	21.20	19.90	6.53	
E	8/5/2020	Head	D1900V2 SN:5d140	4/21/2021	3.880	38.80	38.77	0.08	1.970	19.70	19.90	-1.01	
E	8/9/2020	Head	D1900V2 SN:5d140	4/21/2021	4.200	42.00	38.77	8.33	2.140	21.40	19.90	7.54	
E	8/13/2020	Head	D1900V2 SN:5d140	4/21/2021	4.030	40.30	38.77	3.95	2.050	20.50	19.90	3.02	
E	8/17/2020	Head	D1900V2 SN:5d140	4/21/2021	3.940	39.40	38.77	1.62	2.030	20.30	19.90	2.01	
E	8/21/2020	Head	D1900V2 SN:5d140	4/21/2021	3.990	39.90	38.77	2.91	2.040	20.40	19.90	2.51	
E	9/3/2020	Head	D3900V2 SN:1052	8/3/2021	6.630	66.30	70.10	-5.42	2.370	23.70	24.30	-2.47	61,62
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	

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					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
F	6/29/2020	Head	D1750V2 SN:1077	10/10/2020	3.820	38.20	37.00	3.24	2.030	20.30	19.40	4.64	63,64
F	7/6/2020	Head	D1750V2 SN:1050	4/21/2021	3.660	36.60	35.51	3.07	1.930	19.30	18.91	2.06	65,66
F	7/6/2020	Head	D1900V2 SN:5d163	10/14/2020	4.280	42.80	40.30	6.20	2.200	22.00	21.10	4.27	67,68
F	7/9/2020	Head	D1750V2 SN:1053	10/10/2020	3.630	36.30	37.20	-2.42	1.910	19.10	19.60	-2.55	69,70
F	7/9/2020	Head	D1900V2 SN:5d043	11/20/2020	4.260	42.60	40.40	5.45	2.180	21.80	21.10	3.32	71,72
F	7/13/2020	Head	D1750V2 SN:1077	10/10/2020	3.590	35.90	37.00	-2.97	1.900	19.00	19.40	-2.06	
F	7/13/2020	Head	D1900V2 SN:5d163	10/14/2020	4.150	41.50	40.30	2.98	2.130	21.30	21.10	0.95	
F	7/17/2020	Head	D2300V2 SN:1002	4/17/2021	4.900	49.00	49.76	-1.53	2.330	23.30	23.64	-1.44	
F	7/20/2020	Head	D2300V2 SN:1002	4/17/2021	5.110	51.10	49.76	2.69	2.430	24.30	23.64	2.79	
F	7/24/2020	Head	D2300V2 SN:1002	4/17/2021	5.350	53.50	49.76	7.52	2.540	25.40	23.64	7.45	
F	7/28/2020	Head	D2300V2 SN:1002	4/17/2021	5.370	53.70	49.76	7.92	2.560	25.60	23.64	8.29	73,74
F	8/1/2020	Head	D2300V2 SN:1002	4/17/2021	4.890	48.90	49.76	-1.73	2.350	23.50	23.64	-0.59	
F	8/5/2020	Head	D2300V2 SN:1002	4/17/2021	4.840	48.40	49.76	-2.73	2.260	22.60	23.64	-4.40	
F	8/9/2020	Head	D2300V2 SN:1002	4/17/2021	5.320	53.20	49.76	6.91	2.500	25.00	23.64	5.75	
F	8/13/2020	Head	D2450V2 SN:899	4/17/2021	4.800	48.00	51.75	-7.25	2.250	22.50	24.12	-6.72	
F	8/13/2020	Head	D2600V2 SN:1036	4/17/2021	5.650	56.50	56.53	-0.05	2.560	25.60	25.23	1.47	75,76
F	8/17/2020	Head	D2450V2 SN:899	4/17/2021	5.680	56.80	51.75	9.76	2.610	26.10	24.12	8.21	77,78
F	8/25/2020	Head	D5GHzV2 SN:1003 (5.60 GHz)	3/12/2021	8.400	84.00	79.80	5.26	2.400	24.00	22.50	6.67	79,80

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
G	6/29/2020	Head	D2300V2 SN:1058	10/14/2020	4.520	45.20	48.70	-7.19	2.150	21.50	23.70	-9.28	81,82
G	6/29/2020	Head	D2450V2 SN:899	4/17/2021	4.800	48.00	51.75	-7.25	2.200	22.00	24.12	-8.79	83,84
G	7/6/2020	Head	D2300V2 SN:1058	10/14/2020	4.540	45.40	48.70	-6.78	2.140	21.40	23.70	-9.70	
G	7/6/2020	Head	D2450V2 SN:706	5/8/2021	4.990	49.90	52.80	-5.49	2.270	22.70	24.60	-7.72	
G	7/9/2020	Head	D2300V2 SN:1058	10/14/2020	4.740	47.40	48.70	-2.67	2.300	23.00	23.70	-2.95	
G	7/9/2020	Head	D2450V2 SN:748	3/12/2021	5.170	51.70	54.14	-4.51	2.460	24.60	25.24	-2.54	
G	7/13/2020	Head	D2300V2 SN:1058	10/14/2020	4.650	46.50	48.70	-4.52	2.200	22.00	23.70	-7.17	
G	7/13/2020	Head	D2450V2 SN:706	5/8/2021	5.060	50.60	52.80	-4.17	2.300	23.00	24.60	-6.50	
G	7/16/2020	Head	D2450V2 SN:706	5/8/2021	5.600	56.00	52.80	6.06	2.660	26.60	24.60	8.13	
G	7/21/2020	Head	D2450V2 SN:706	5/8/2021	5.560	55.60	52.80	5.30	2.580	25.80	24.60	4.88	
G	7/24/2020	Head	D2450V2 SN:706	5/8/2021	5.750	57.50	52.80	8.90	2.570	25.70	24.60	4.47	85,86
G	7/28/2020	Head	D2450V2 SN:706	5/8/2021	5.460	54.60	52.80	3.41	2.490	24.90	24.60	1.22	
G	8/1/2020	Head	D2450V2 SN:706	5/8/2021	5.320	53.20	52.80	0.76	2.450	24.50	24.60	-0.41	
G	8/5/2020	Head	D2450V2 SN:706	5/8/2021	5.590	55.90	52.80	5.87	2.520	25.20	24.60	2.44	
G	8/9/2020	Head	D2450V2 SN:748	3/12/2021	5.360	53.60	54.14	-1.00	2.430	24.30	25.24	-3.72	
G	8/13/2020	Head	D2450V2 SN:748	3/12/2021	5.560	55.60	54.14	2.70	2.530	25.30	25.24	0.24	
G	8/18/2020	Head	D2450V2 SN:748	3/12/2021	5.540	55.40	54.14	2.33	2.530	25.30	25.24	0.24	
G	8/22/2020	Head	D2450V2 SN:748	3/12/2021	5.790	57.90	54.14	6.94	2.620	26.20	25.24	3.80	87,88

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SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
H	6/29/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.270	82.70	83.80	-1.31	2.320	23.20	23.70	-2.11	
H	6/29/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	7.390	73.90	79.60	-7.16	2.080	20.80	22.40	-7.14	
H	7/6/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.820	88.20	83.80	5.25	2.460	24.60	23.70	3.80	
H	7/6/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	7.240	72.40	79.60	-9.05	2.030	20.30	22.40	-9.38	
H	7/9/2020	Head	D5GHzV2 SN:1138 (5.6 GHz)	8/26/2020	8.440	84.40	85.50	-1.29	2.390	23.90	24.50	-2.45	
H	7/9/2020	Head	D5GHzV2 SN:1138 (5.8 GHz)	8/26/2020	7.440	74.40	81.50	-8.71	2.120	21.20	23.10	-8.23	89,90
H	7/13/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.760	87.60	83.80	4.53	2.460	24.60	23.70	3.80	
H	7/13/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	7.950	79.50	79.60	-0.13	2.220	22.20	22.40	-0.89	
H	7/17/2020	Head	D2600V2 SN:1006	10/14/2020	5.220	52.20	55.70	-6.28	2.290	22.90	25.10	-8.76	91,92
H	7/20/2020	Head	D2600V2 SN:1006	10/14/2020	5.630	56.30	55.70	1.08	2.450	24.50	25.10	-2.39	
H	7/24/2020	Head	D5GHzV2 SN:1138 (5.2 GHz)	8/26/2020	7.520	75.20	80.30	-6.35	2.150	21.50	23.00	-6.52	
H	7/24/2020	Head	D5GHzV2 SN:1138 (5.6 GHz)	8/26/2020	8.000	80.00	85.50	-6.43	2.250	22.50	24.50	-8.16	
H	7/24/2020	Head	D5GHzV2 SN:1138 (5.8 GHz)	8/26/2020	8.220	82.20	81.50	0.86	2.330	23.30	23.10	0.87	
H	7/28/2020	Head	D5GHzV2 SN:1138 (5.2 GHz)	8/26/2020	7.610	76.10	80.30	-5.23	2.160	21.60	23.00	-6.09	
H	7/28/2020	Head	D5GHzV2 SN:1138 (5.6 GHz)	8/26/2020	8.110	81.10	85.50	-5.15	2.260	22.60	24.50	-7.76	
H	7/28/2020	Head	D5GHzV2 SN:1138 (5.8 GHz)	8/26/2020	7.950	79.50	81.50	-2.45	2.240	22.40	23.10	-3.03	
H	7/31/2020	Head	D5GHzV2 SN:1138 (5.2 GHz)	8/26/2020	7.990	79.90	80.30	-0.50	2.310	23.10	23.00	0.43	
H	7/31/2020	Head	D5GHzV2 SN:1138 (5.6 GHz)	8/26/2020	8.090	80.90	85.50	-5.38	2.280	22.80	24.50	-6.94	
H	7/31/2020	Head	D5GHzV2 SN:1138 (5.8 GHz)	8/26/2020	8.160	81.60	81.50	0.12	2.320	23.20	23.10	0.43	
H	8/3/2020	Head	D5GHzV2 SN:1138 (5.2 GHz)	8/26/2020	7.450	74.50	80.30	-7.22	2.130	21.30	23.00	-7.39	
H	8/3/2020	Head	D5GHzV2 SN:1138 (5.6 GHz)	8/26/2020	8.140	81.40	85.50	-4.80	2.310	23.10	24.50	-5.71	
H	8/3/2020	Head	D5GHzV2 SN:1138 (5.8 GHz)	8/26/2020	8.060	80.60	81.50	-1.10	2.280	22.80	23.10	-1.30	
H	8/7/2020	Head	D5GHzV2 SN:1138 (5.2 GHz)	8/26/2020	7.540	75.40	80.30	-6.10	2.160	21.60	23.00	-6.09	
H	8/7/2020	Head	D5GHzV2 SN:1138 (5.6 GHz)	8/26/2020	8.440	84.40	85.50	-1.29	2.400	24.00	24.50	-2.04	
H	8/7/2020	Head	D5GHzV2 SN:1138 (5.8 GHz)	8/26/2020	7.960	79.60	81.50	-2.33	2.280	22.80	23.10	-1.30	
H	8/10/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.540	75.40	79.20	-4.80	2.150	21.50	22.50	-4.44	
H	8/10/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	7.730	77.30	83.80	-7.76	2.180	21.80	23.70	-8.02	
H	8/10/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	7.170	71.70	79.60	-9.92	2.040	20.40	22.40	-8.93	
H	8/14/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.660	76.60	79.20	-3.28	2.210	22.10	22.50	-1.78	
H	8/14/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.520	85.20	83.80	1.67	2.420	24.20	23.70	2.11	
H	8/14/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	8.040	80.40	79.60	1.01	2.310	23.10	22.40	3.13	
H	8/18/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	8.060	80.60	79.20	1.77	2.330	23.30	22.50	3.56	
H	8/18/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.760	87.60	83.80	4.53	2.500	25.00	23.70	5.49	
H	8/18/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	8.430	84.30	79.60	5.90	2.430	24.30	22.40	8.48	
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	93,94

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SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
1	7/27/2020	Head	D2300V2 SN:1002	4/17/2021	4.630	46.30	49.76	-6.95	2.360	23.60	23.64	-0.17	95,96

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
2	7/17/2020	Head	D2600V2 SN:1036	4/17/2021	6.050	60.50	56.53	7.02	2.720	27.20	25.23	7.81	
2	7/21/2020	Head	D2600V2 SN:1036	4/17/2021	6.130	61.30	56.53	8.44	2.750	27.50	25.23	9.00	97,98
2	7/25/2020	Head	D2600V2 SN:1036	4/17/2021	6.110	61.10	56.53	8.08	2.740	27.40	25.23	8.60	
2	7/29/2020	Head	D2600V2 SN:1036	4/17/2021	5.460	54.60	56.53	-3.41	2.440	24.40	25.23	-3.29	
2	8/1/2020	Head	D2600V2 SN:1036	4/17/2021	6.080	60.80	56.53	7.55	2.750	27.50	25.23	9.00	
2	8/5/2020	Head	D2600V2 SN:1036	4/17/2021	6.120	61.20	56.53	8.26	2.750	27.50	25.23	9.00	
2	8/8/2020	Head	D2600V2 SN:1036	4/17/2021	6.050	60.50	56.53	7.02	2.730	27.30	25.23	8.20	
2	8/10/2020	Head	D2450V2 SN:899	4/17/2021	4.750	47.50	51.75	-8.21	2.200	22.00	24.12	-8.79	99,100
2	8/12/2020	Head	D2600V2 SN:1036	4/17/2021	5.930	59.30	56.53	4.90	2.650	26.50	25.23	5.03	
2	8/15/2020	Head	D2600V2 SN:1006	10/14/2020	5.640	56.40	55.70	1.26	2.530	25.30	25.10	0.80	
2	8/19/2020	Head	D2600V2 SN:1006	10/14/2020	5.890	58.90	55.70	5.75	2.630	26.30	25.10	4.78	101,102

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
3	7/17/2020	Head	D1750V2 SN:1077	10/10/2020	3.780	37.80	37.00	2.16	2.000	20.00	19.40	3.09	103,104
3	7/21/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	8.390	83.90	79.20	5.93	2.420	24.20	22.50	7.56	
3	7/21/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	7.680	76.80	83.80	-8.35	2.210	22.10	23.70	-6.75	105,106
3	7/21/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	8.590	85.90	79.60	7.91	2.450	24.50	22.40	9.38	
3	7/25/2020	Head	D5GHzV2 SN:1003 (5.25 GHz)	3/12/2021	8.440	84.40	80.10	5.37	2.430	24.30	22.90	6.11	107,108
3	7/25/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.960	89.60	83.80	6.92	2.580	25.80	23.70	8.86	
3	7/25/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	8.540	85.40	79.60	7.29	2.440	24.40	22.40	8.93	
3	7/29/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	8.070	80.70	79.20	1.89	2.380	23.80	22.50	5.78	
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	109,110

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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	7/17/2020	Head	D835V2 SN:4d002	11/20/2020	1.040	10.40	9.78	6.34	0.672	6.72	6.37	5.49	
4	7/17/2020	Head	D750V3 SN:1071	11/20/2020	0.851	8.51	8.52	-0.12	0.556	5.56	5.56	0.00	
4	7/19/2020	Head	D750V3 SN:1071	11/20/2020	0.833	8.33	8.52	-2.23	0.540	5.40	5.56	-2.88	
4	7/21/2020	Head	D835V2 SN:4d002	11/20/2020	1.070	10.70	9.78	9.41	0.694	6.94	6.37	8.95	111,112
4	7/22/2020	Head	D750V3 SN:1071	11/20/2020	0.893	8.93	8.52	4.81	0.582	5.82	5.56	4.68	
4	7/25/2020	Head	D835V2 SN:4d002	11/20/2020	0.964	9.64	9.78	-1.43	0.625	6.25	6.37	-1.88	
4	7/27/2020	Head	D750V3 SN:1071	11/20/2020	0.815	8.15	8.52	-4.34	0.532	5.32	5.56	-4.32	
4	7/29/2020	Head	D835V2 SN:4d002	11/20/2020	1.070	10.70	9.78	9.41	0.692	6.92	6.37	8.63	
4	7/31/2020	Head	D750V3 SN:1071	11/20/2020	0.906	9.06	8.52	6.34	0.587	5.87	5.56	5.58	113,114
4	8/2/2020	Head	D835V2 SN:4d002	11/20/2020	1.070	10.70	9.78	9.41	0.689	6.89	6.37	8.16	
4	8/4/2020	Head	D750V3 SN:1071	11/20/2020	0.863	8.63	8.52	1.29	0.557	5.57	5.56	0.18	
4	8/5/2020	Head	D835V2 SN:4d002	11/20/2020	1.060	10.60	9.78	8.38	0.684	6.84	6.37	7.38	
4	8/9/2020	Head	D835V2 SN:4d002	11/20/2020	1.040	10.40	9.78	6.34	0.666	6.66	6.37	4.55	
4	8/10/2020	Head	D750V3 SN:1071	11/20/2020	0.865	8.65	8.52	1.53	0.563	5.63	5.56	1.26	
4	8/13/2020	Head	D835V2 SN:4d002	11/20/2020	1.030	10.30	9.78	5.32	0.665	6.65	6.37	4.40	
4	8/16/2020	Head	D750V3 SN:1071	11/20/2020	0.887	8.87	8.52	4.11	0.576	5.76	5.56	3.60	
4	8/17/2020	Head	D835V2 SN:4d002	11/20/2020	1.040	10.40	9.78	6.34	0.671	6.71	6.37	5.34	
4	8/17/2020	Head	D1750V2 SN:1053	10/10/2020	3.930	39.30	37.20	5.65	2.070	20.70	19.60	5.61	115,116
4	8/19/2020	Head	D2600V2 SN:1006	10/14/2020	5.100	51.00	55.70	-8.44	2.270	22.70	25.10	-9.56	117,118
4	8/24/2020	Head	D1900V2 SN:5d163	10/14/2020	4.220	42.20	40.30	4.71	2.180	21.80	21.10	3.32	
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	119,120
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	

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	7/17/2020	Head	D750V3 SN:1071	11/20/2020	0.828	8.28	8.52	-2.82	0.543	5.43	5.56	-2.34	121,122
5	7/17/2020	Head	D835V2 SN:4d002	11/20/2020	0.912	9.12	9.78	-6.75	0.595	5.95	6.37	-6.59	123,124
5	7/19/2020	Head	D2600V2 SN:1006	10/14/2020	5.240	52.40	55.70	-5.92	2.340	23.40	25.10	-6.77	125,126
5	7/23/2020	Head	D2600V2 SN:1036	4/17/2021	6.110	61.10	56.53	8.08	2.720	27.20	25.23	7.81	
5	7/27/2020	Head	D2600V2 SN:1036	4/17/2021	5.410	54.10	56.53	-4.30	2.410	24.10	25.23	-4.48	
5	7/31/2020	Head	D2600V2 SN:1036	4/17/2021	6.030	60.30	56.53	6.67	2.680	26.80	25.23	6.22	
5	8/4/2020	Head	D2600V2 SN:1036	4/17/2021	6.170	61.70	56.53	9.15	2.750	27.50	25.23	9.00	127,128
5	8/10/2020	Head	D1900V2 SN:5d043	11/20/2020	4.190	41.90	40.40	3.71	2.160	21.60	21.10	2.37	129,130

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
6	7/16/2020	Head	D1900V2 SN:5d043	11/20/2020	4.010	40.10	40.40	-0.74	2.070	20.70	21.10	-1.90	
6	7/20/2020	Head	D1900V2 SN:5d043	11/20/2020	4.210	42.10	40.40	4.21	2.180	21.80	21.10	3.32	
6	7/24/2020	Head	D1900V2 SN:5d163	10/14/2020	4.290	42.90	40.30	6.45	2.230	22.30	21.10	5.69	131,132
6	7/28/2020	Head	D1900V2 SN:5d163	10/14/2020	4.140	41.40	40.30	2.73	2.140	21.40	21.10	1.42	
6	8/1/2020	Head	D1900V2 SN:5d043	11/20/2020	4.280	42.80	40.40	5.94	2.200	22.00	21.10	4.27	
6	8/5/2020	Head	D1900V2 SN:5d043	11/20/2020	4.410	44.10	40.40	9.16	2.270	22.70	21.10	7.58	133,134
6	8/10/2020	Head	D1900V2 SN:5d043	11/20/2020	4.220	42.20	40.40	4.46	2.170	21.70	21.10	2.84	
6	8/11/2020	Head	D1900V2 SN:5d043	11/20/2020	4.370	43.70	40.40	8.17	2.250	22.50	21.10	6.64	

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SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
8	7/28/2020	Head	D2600V2 SN:1006	10/14/2020	5.640	56.40	55.70	1.26	2.510	25.10	25.10	0.00	135,136
8	8/3/2020	Head	D2600V2 SN:1036	4/17/2021	5.690	56.90	56.53	0.65	2.520	25.20	25.23	-0.12	137,138
8	8/7/2020	Head	D835V2 SN:4d002	11/20/2020	1.010	10.10	9.78	3.27	0.673	6.73	6.37	5.65	139,140
8	8/10/2020	Head	D835V2 SN:4d002	11/20/2020	1.010	10.10	9.78	3.27	0.669	6.69	6.37	5.02	

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
L1	7/16/2020	Head	D3500V2 SN:1011	4/17/2021	6.370	63.70	68.87	-7.51	2.430	24.30	26.47	-8.20	
L1	7/16/2020	Head	D3700V2 SN:1039	5/11/2021	6.590	65.90	67.00	-1.64	2.450	24.50	24.10	1.66	
L1	7/20/2020	Head	D1900V2 SN:5d043	11/20/2020	4.220	42.20	40.40	4.46	2.120	21.20	21.10	0.47	141,142
L1	7/20/2020	Head	D3700V2 SN:1039	5/11/2021	6.190	61.90	67.00	-7.61	2.290	22.90	24.10	-4.98	143,144
L1	7/20/2020	Head	D3500V2 SN:1060	3/12/2021	6.360	63.60	64.89	-1.99	2.420	24.20	24.80	-2.42	
L1	7/24/2020	Head	D1900V2 SN:5d043	11/20/2020	4.090	40.90	40.40	1.24	2.120	21.20	21.10	0.47	
L1	7/24/2020	Head	D3500V2 SN:1011	4/17/2021	6.610	66.10	68.87	-4.02	2.550	25.50	26.47	-3.66	
L1	7/24/2020	Head	D3700V2 SN:1039	5/11/2021	6.460	64.60	67.00	-3.58	2.440	24.40	24.10	1.24	
L1	7/29/2020	Head	D3500V2 SN:1060	3/12/2021	6.860	68.60	64.89	5.72	2.640	26.40	24.80	6.45	
L1	7/29/2020	Head	D3700V2 SN:1039	5/11/2021	7.010	70.10	67.00	4.63	2.640	26.40	24.10	9.54	
L1	7/30/2020	Head	D2300V2 SN:1058	10/14/2020	4.760	47.60	48.70	-2.26	2.270	22.70	23.70	-4.22	145,146
L1	8/3/2020	Head	D2300V2 SN:1058	10/14/2020	4.910	49.10	48.70	0.82	2.350	23.50	23.70	-0.84	
L1	8/4/2020	Head	D3700V2 SN:1039	5/11/2021	6.970	69.70	67.00	4.03	2.620	26.20	24.10	8.71	
L1	8/4/2020	Head	D3500V2 SN:1060	3/12/2021	6.930	69.30	64.89	6.80	2.690	26.90	24.80	8.47	
L1	8/6/2020	Head	D3500V2 SN:1011	4/17/2021	6.270	62.70	68.87	-8.96	2.420	24.20	26.47	-8.58	147,148
L1	8/10/2020	Head	D3500V2 SN:1060	3/12/2021	6.370	63.70	64.89	-1.83	2.470	24.70	24.80	-0.40	
L1	8/14/2020	Head	D3500V2 SN:1060	3/12/2021	6.360	63.60	64.89	-1.99	2.590	25.90	24.80	4.44	
L1	8/19/2020	Head	D3500V2 SN:1060	3/12/2021	5.860	58.60	64.89	-9.69	2.280	22.80	24.80	-8.06	149,150
L1	8/24/2020	Head	D3500V2 SN:1060	3/12/2021	6.230	62.30	64.89	-3.99	2.410	24.10	24.80	-2.82	
L1	9/5/2020	Head	D3500V2 SN:1011	4/17/2021	6.850	68.50	68.87	-0.54	2.640	26.40	26.47	-0.26	

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SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
L2	7/16/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.780	77.80	79.20	-1.77	2.270	22.70	22.50	0.89	
L2	7/16/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.450	84.50	83.80	0.84	2.380	23.80	23.70	0.42	
L2	7/16/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	8.100	81.00	79.60	1.76	2.240	22.40	22.40	0.00	
L2	7/21/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.490	74.90	79.20	-5.43	2.170	21.70	22.50	-3.56	
L2	7/21/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	7.820	78.20	83.80	-6.68	2.210	22.10	23.70	-6.75	
L2	7/21/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	7.670	76.70	79.60	-3.64	2.190	21.90	22.40	-2.23	
L2	7/25/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.240	72.40	79.20	-8.59	2.100	21.00	22.50	-6.67	
L2	7/25/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.330	83.30	83.80	-0.60	2.350	23.50	23.70	-0.84	
L2	7/25/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	7.610	76.10	79.60	-4.40	2.180	21.80	22.40	-2.68	
L2	7/29/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.480	74.80	79.20	-5.56	2.160	21.60	22.50	-4.00	
L2	7/29/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.650	86.50	83.80	3.22	2.470	24.70	23.70	4.22	
L2	7/29/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	7.970	79.70	79.60	0.13	2.280	22.80	22.40	1.79	
L2	8/1/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.190	71.90	79.20	-9.22	2.160	21.60	22.50	-4.00	151,152
L2	8/1/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	7.680	76.80	83.80	-8.35	2.270	22.70	23.70	-4.22	
L2	8/1/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	7.980	79.80	79.60	0.25	2.280	22.80	22.40	1.79	
L2	8/6/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	8.340	83.40	79.20	5.30	2.420	24.20	22.50	7.56	
L2	8/6/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.470	84.70	83.80	1.07	2.420	24.20	23.70	2.11	
L2	8/6/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	8.020	80.20	79.60	0.75	2.290	22.90	22.40	2.23	
L2	8/10/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	8.240	82.40	79.20	4.04	2.400	24.00	22.50	6.67	
L2	8/10/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	8.140	81.40	83.80	-2.86	2.300	23.00	23.70	-2.95	
L2	8/10/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	8.440	84.40	79.60	6.03	2.420	24.20	22.40	8.04	
L2	8/14/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.210	72.10	79.20	-8.96	2.050	20.50	22.50	2.06	
L2	8/14/2020	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/23/2020	7.800	78.00	83.80	-6.92	2.210	22.10	23.70	-6.75	
L2	8/14/2020	Head	D5GHzV2 SN:1168 (5.8 GHz)	11/23/2020	8.240	82.40	79.60	3.52	2.320	23.20	22.40	3.57	
L2	8/18/2020	Head	D5GHzV2 SN:1168 (5.2 GHz)	11/23/2020	7.75	77.50	79.20	-2.15	2.22	22.20	22.50	-1.33	
L2	8/18/2020	Head	D5GHzV2 SN:1138 (5.6 GHz)	8/26/2020	8.990	89.90	85.50	5.15	2.520	25.20	24.50	2.86	153,154
L2	8/18/2020	Head	D5GHzV2 SN:1138 (5.8 GHz)	8/26/2020	8.060	80.60	81.50	-1.10	2.270	22.70	23.10	-1.73	
L2	8/19/2020	Head	D2600V2 SN:1006	10/14/2020	5.910	59.10	55.70	6.10	2.660	26.60	25.10	5.98	155,156
L2	8/24/2020	Head	D2600V2 SN:1036	4/17/2021	5.780	57.80	56.53	2.25	2.600	26.00	25.23	3.05	
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	
L2	9/5/2020	Head	D2600V2 SN:1036	4/17/2021	6.120	61.20	56.53	8.26	2.740	27.40	25.23	8.60	157,158
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	

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SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
L3	7/16/2020	Head	D1750V2 SN:1077	10/10/2020	3.480	34.80	37.00	-5.95	1.820	18.20	19.40	-6.19	
L3	7/20/2020	Head	D1750V2 SN:1077	10/10/2020	3.590	35.90	37.00	-2.97	1.910	19.10	19.40	-1.55	
L3	7/25/2020	Head	D1750V2 SN:1077	10/10/2020	3.490	34.90	37.00	-5.68	1.860	18.60	19.40	-4.12	
L3	7/29/2020	Head	D1750V2 SN:1077	10/10/2020	3.420	34.20	37.00	-7.57	1.810	18.10	19.40	-6.70	159,160
L3	8/1/2020	Head	D1750V2 SN:1077	10/10/2020	3.630	36.30	37.00	-1.89	1.920	19.20	19.40	-1.03	
L3	8/5/2020	Head	D2600V2 SN:1036	4/17/2021	5.660	56.60	56.53	0.12	2.540	25.40	25.23	0.67	
L3	8/8/2020	Head	D2600V2 SN:1036	4/17/2021	5.370	53.70	56.53	-5.01	2.400	24.00	25.23	-4.88	161,162
L3	8/11/2020	Head	D1750V2 SN:1077	10/10/2020	3.700	37.00	37.00	0.00	1.960	19.60	19.40	1.03	
L3	8/11/2020	Head	D2300V2 SN:1058	10/14/2020	5.100	51.00	48.70	4.72	2.420	24.20	23.70	2.11	163,164
L3	8/12/2020	Head	D2600V2 SN:1006	10/14/2020	5.830	58.30	55.70	4.67	2.620	26.20	25.10	4.38	165,166
L3	8/16/2020	Head	D2600V2 SN:1006	10/14/2020	5.370	53.70	55.70	-3.59	2.400	24.00	25.10	-4.38	
L3	8/17/2020	Head	D3500V2 SN:1060	3/12/2021	6.160	61.60	64.89	-5.07	2.390	23.90	24.80	-3.63	
L3	8/17/2020	Head	D3700V2 SN:1039	5/11/2021	6.840	68.40	67.00	2.09	2.550	25.50	24.10	5.81	
L3	8/21/2020	Head	D3500V2 SN:1060	3/12/2021	5.970	59.70	64.89	-8.00	2.280	22.80	24.80	-8.06	167,168
L3	8/21/2020	Head	D3700V2 SN:1039	5/11/2021	7.100	71.00	67.00	5.97	2.650	26.50	24.10	9.96	169,170
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	
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	9/6/2020	Head	D3500V2 SN:1060	3/12/2021	6.620	66.20	64.89	2.02	2.550	25.50	24.80	2.82	
L3	9/6/2020	Head	D3700V2 SN:1039	5/11/2021	6.660	66.60	67.00	-0.60	2.490	24.90	24.10	3.32	

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SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
L4	7/16/2020	Head	D3500V2 SN:1011	4/17/2021	6.610	66.10	68.87	-4.02	2.520	25.20	26.47	-4.80	
L4	7/16/2020	Head	D3700V2 SN:1039	5/11/2021	6.790	67.90	67.00	1.34	2.520	25.20	24.10	4.56	
L4	7/20/2020	Head	D3500V2 SN:1060	3/12/2021	6.730	67.30	64.89	3.71	2.580	25.80	24.80	4.03	
L4	7/20/2020	Head	D3700V2 SN:1039	5/11/2021	6.500	65.00	67.00	-2.99	2.410	24.10	24.10	0.00	
L4	7/20/2020	Head	D1900V2 SN:5d163	10/14/2020	4.110	41.10	40.30	1.99	2.120	21.20	21.10	0.47	
L4	7/24/2020	Head	D1900V2 SN:5d043	11/20/2020	4.080	40.80	40.40	0.99	2.120	21.20	21.10	0.47	
L4	7/24/2020	Head	D3500V2 SN:1011	4/17/2021	7.090	70.90	68.87	2.95	2.720	27.20	26.47	2.76	
L4	7/24/2020	Head	D3700V2 SN:1039	5/11/2021	6.870	68.70	67.00	2.54	2.550	25.50	24.10	5.81	
L4	7/28/2020	Head	D1900V2 SN:5d163	10/14/2020	4.160	41.60	40.30	3.23	2.120	21.20	21.10	0.47	171,172
L4	7/29/2020	Head	D3500V2 SN:1060	3/12/2021	6.960	69.60	64.89	7.26	2.680	26.80	24.80	8.06	
L4	7/29/2020	Head	D3700V2 SN:1039	5/11/2021	6.980	69.80	67.00	4.18	2.600	26.00	24.10	7.88	
L4	8/1/2020	Head	D1900V2 SN:5d163	10/14/2020	4.080	40.80	40.30	1.24	2.100	21.00	21.10	-0.47	
L4	8/3/2020	Head	D3500V2 SN:1011	4/17/2021	6.440	64.40	68.87	-6.49	2.460	24.60	26.47	-7.06	
L4	8/3/2020	Head	D3700V2 SN:1039	5/11/2021	7.000	70.00	67.00	4.48	2.600	26.00	24.10	7.88	
L4	8/6/2020	Head	D1900V2 SN:5d163	10/14/2020	4.150	41.50	40.30	2.98	2.140	21.40	21.10	1.42	
L4	8/10/2020	Head	D3500V2 SN:1011	4/17/2021	6.410	64.10	68.87	-6.93	2.450	24.50	26.47	-7.44	173,174
L4	8/10/2020	Head	D3700V2 SN:1039	5/11/2021	6.120	61.20	67.00	-8.66	2.280	22.80	24.10	-5.39	175,176
L4	8/10/2020	Head	D1900V2 SN:5d043	11/20/2020	4.160	41.60	40.40	2.97	2.150	21.50	21.10	1.90	177,178
L4	8/12/2020	Head	D1750V2 SN:1077	10/10/2020	3.780	37.80	37.00	2.16	2.000	20.00	19.40	3.09	
L4	8/15/2020	Head	D1750V2 SN:1077	10/10/2020	3.720	37.20	37.00	0.54	1.950	19.50	19.40	0.52	
L4	8/19/2020	Head	D2600V2 SN:1006	10/14/2020	5.720	57.20	55.70	2.69	2.570	25.70	25.10	2.39	179,180
L4	8/24/2020	Head	D1750V2 SN:1077	10/10/2020	3.660	36.60	37.00	-1.08	1.940	19.40	19.40	0.00	
L4	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	181,182
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	
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	183,184

SAR Lab	Date	Tissue Type	Dipole Type _Serial #	Dipole Cal. Due Data	Measured Results for 1g SAR				Measured Results for 10g SAR				Plot No.
					Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	Zoom Scan to 100 mW	Normalize to 1 W	Target (Ref. Value)	Delta ±10 %	
L6	7/17/2020	Head	D1750V2 SN:1077	10/10/2020	3.420	34.20	37.00	-7.57	1.820	18.20	19.40	-6.19	
L6	7/21/2020	Head	D1750V2 SN:1077	10/10/2020	3.340	33.40	37.00	-9.73	1.790	17.90	19.40	-7.73	185,186
L6	7/27/2020	Head	D1750V2 SN:1077	10/10/2020	3.530	35.30	37.00	-4.59	1.880	18.80	19.40	-3.09	
L6	7/31/2020	Head	D1750V2 SN:1077	10/10/2020	3.560	35.60	37.00	-3.78	1.900	19.00	19.40	-2.06	
L6	8/3/2020	Head	D2450V2 SN:899	4/17/2021	5.200	52.00	51.75	0.48	2.440	24.40	24.12	1.16	187,188
L6	8/5/2020	Head	D1750V2 SN:1077	10/10/2020	3.680	36.80	37.00	-0.54	1.950	19.50	19.40	0.52	
L6	8/7/2020	Head	D750V3 SN:1071	11/20/2020	0.879	8.79	8.52	3.17	0.576	5.76	5.56	3.60	189,190

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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 ≤ 1/4dB higher than GPRS/EDGE (GMSK) or the adjusted SAR of the highest reported SAR of GPRS/EDGE (GMSK) is ≤ 1.2W/kg.

RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
GSM850	Voice/GPRS (1 slot)	33.50	33.50	32.00	32.00				
	GPRS 2 slots	32.50	32.50	31.00	31.00				
	EGPRS 1 slot	28.00	28.00	26.50	26.50				
	EGPRS 2 slots	27.00	27.00	25.50	25.50				
GSM1900	Voice/GPRS (1 slot)	32.00	25.50	29.00	29.25	31.00	28.50	28.00	29.00
	GPRS 2 slots	31.00	22.50	26.00	26.25	30.00	25.50	25.00	26.25
	EGPRS 1 slot	27.00	25.50	24.50	24.50	26.00	26.00	24.00	24.00
	EGPRS 2 slots	26.00	22.50	23.50	23.50	25.00	25.00	23.00	23.00

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GSM850 Measured Results (ANT1)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	128	824.2	32.85	23.82	33.50	24.47	32.85	23.82	33.50	24.47
			190	836.6	32.78	23.75			32.78	23.75		
			251	848.8	33.01	23.98			33.01	23.98		
		2	128	824.2	31.74	25.72	32.50	**26.48**	31.74	25.72	32.50	**26.48**
			190	836.6	31.90	25.88			31.90	25.88		
			251	848.8	31.83	25.81			31.83	25.81		
EDGE (8PSK)	MCS5	1	128	824.2	27.07	18.04	28.00	18.97	27.07	18.04	28.00	18.97
			190	836.6	27.94	18.91			27.94	18.91		
			251	848.8	27.97	18.94			27.97	18.94		
		2	128	824.2	26.31	20.29	27.00	20.98	26.31	20.29	27.00	20.98
			190	836.6	26.50	20.48			26.50	20.48		
			251	848.8	26.92	20.90			26.92	20.90		

Note(s):

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

GSM850 Measured Results (ANT2)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	128	824.2	31.06	22.03	32.00	22.97	31.06	22.03	32.00	22.97
			190	836.6	31.22	22.19			31.22	22.19		
			251	848.8	31.94	22.91			31.94	22.91		
		2	128	824.2	30.50	24.48	31.00	**24.98**	30.50	24.48	31.00	**24.98**
			190	836.6	30.50	24.48			30.50	24.48		
			251	848.8	30.50	24.48			30.50	24.48		
EDGE (8PSK)	MCS5	1	128	824.2	25.99	16.96	26.50	17.47	25.99	16.96	26.50	17.47
			190	836.6	26.17	17.14			26.17	17.14		
			251	848.8	25.97	16.94			25.97	16.94		
		2	128	824.2	25.47	19.45	25.50	19.48	25.47	19.45	25.50	19.48
			190	836.6	25.15	19.13			25.15	19.13		
			251	848.8	24.97	18.95			24.97	18.95		

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	31.84	22.81	32.00	22.97	24.80	15.77	25.50	16.47
			661	1880.0	31.00	21.97			24.85	15.82		
			810	1909.8	31.15	22.12			24.70	15.67		
		2	512	1850.2	30.20	24.18	31.00	**24.98**	21.70	15.68	22.50	**16.48**
			661	1880.0	30.35	24.33			21.85	15.83		
			810	1909.8	30.76	24.74			21.98	15.96		
EDGE (8PSK)	MCS5	1	512	1850.2	26.88	17.85	27.00	17.97	24.80	15.77	25.50	16.47
			661	1880.0	26.01	16.98			24.81	15.78		
			810	1909.8	26.37	17.34			24.50	15.47		
		2	512	1850.2	25.65	19.63	26.00	19.98	21.75	15.73	22.50	**16.48**
			661	1880.0	25.69	19.67			21.79	15.77		
			810	1909.8	25.90	19.88			21.70	15.68		

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.

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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	28.06	19.03	29.00	19.97	28.36	19.33	29.25	20.22
			661	1880.0	28.22	19.19			28.42	19.39		
			810	1909.8	28.00	18.97			28.43	19.40		
		2	512	1850.2	25.30	19.28	26.00	**19.98**	25.50	19.48	26.25	**20.23**
			661	1880.0	25.30	19.28			25.50	19.48		
			810	1909.8	25.30	19.28			25.50	19.48		
EDGE (8PSK)	MCS5	1	512	1850.2	23.89	14.86	24.50	15.47	24.19	15.16	24.50	15.47
			661	1880.0	24.07	15.04			24.37	15.34		
			810	1909.8	23.87	14.84			24.17	15.14		
		2	512	1850.2	23.37	17.35	23.50	17.48	23.44	17.42	23.50	17.48
			661	1880.0	23.05	17.03			23.35	17.33		
			810	1909.8	22.87	16.85			23.17	17.15		

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	30.06	21.03	31.00	21.97	27.76	18.73	28.50	19.47
			661	1880.0	30.22	21.19			27.92	18.89		
			810	1909.8	30.94	21.91			27.80	18.77		
		2	512	1850.2	29.08	23.06	30.00	**23.98**	25.11	19.09	25.50	**19.48**
			661	1880.0	29.10	23.08			25.15	19.13		
			810	1909.8	29.07	23.05			25.12	19.10		
EDGE (8PSK)	MCS5	1	512	1850.2	25.89	16.86	26.00	16.97	25.89	16.86	26.00	16.97
			661	1880.0	25.90	16.87			25.90	16.87		
			810	1909.8	25.87	16.84			25.87	16.84		
		2	512	1850.2	24.30	18.28	25.00	18.98	24.20	18.18	25.00	18.98
			661	1880.0	24.33	18.31			24.24	18.22		
			810	1909.8	24.44	18.42			24.41	18.39		

Note(s):

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

GSM1900 Measured Results (ANT4)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	512	1850.2	27.71	18.68	28.00	18.97	28.30	19.27	29.00	19.97
			661	1880.0	27.89	18.86			28.38	19.35		
			810	1909.8	27.98	18.95			28.41	19.38		
		2	512	1850.2	25.00	18.98	25.00	**18.98**	26.01	19.99	26.25	**20.23**
			661	1880.0	25.00	18.98			26.12	20.10		
			810	1909.8	25.00	18.98			26.22	20.20		
EDGE (8PSK)	MCS5	1	512	1850.2	23.12	14.09	24.00	14.97	23.41	14.38	24.00	14.97
			661	1880.0	23.31	14.28			23.51	14.48		
			810	1909.8	23.38	14.35			23.67	14.64		
		2	512	1850.2	22.41	16.39	23.00	16.98	22.12	16.10	23.00	16.98
			661	1880.0	22.77	16.75			22.13	16.11		
			810	1909.8	22.89	16.87			22.28	16.26		

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.

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9.2. W-CDMA

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

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

Release 99 Setup Procedures used to establish the test signals

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

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

HSDPA Setup Procedures used to establish the test signals

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

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

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

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

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

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

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

HSUPA Setup Procedures used to establish the test signals

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

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

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

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

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

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

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

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

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

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DC-HSDPA Setup Procedures used to establish the test signals

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

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

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

HSPA+ Setup Procedures used to establish the test signals

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

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

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

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

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

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

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

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W-CDMA Band 2 Measured Results (ANT1)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A {dBm}			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	25.34	N/A	25.70	16.14	N/A	16.50
		9400	1880.0	25.31			16.11		
		9538	1907.6	25.02			16.13		
HSDPA	Subtest 1	9262	1852.4	25.18	0.00	25.70	15.98	0.00	16.50
		9400	1880.0	25.10			16.00		
		9538	1907.6	24.83			15.63		
	Subtest 2	9262	1852.4	25.00	0.00	25.70	16.00	0.00	16.50
		9400	1880.0	25.02			15.82		
		9538	1907.6	25.06			15.86		
	Subtest 3	9262	1852.4	25.11	0.50	25.20	15.91	0.50	16.00
		9400	1880.0	24.60			15.40		
		9538	1907.6	24.38			15.18		
	Subtest 4	9262	1852.4	25.05	0.50	25.20	15.85	0.50	16.00
		9400	1880.0	24.79			15.59		
		9538	1907.6	24.61			15.41		
HSUPA	Subtest 1	9262	1852.4	25.03	0.00	25.70	15.83	0.00	16.50
		9400	1880.0	24.99			15.79		
		9538	1907.6	25.27			16.07		
	Subtest 2	9262	1852.4	23.69	2.00	23.70	14.49	2.00	14.50
		9400	1880.0	23.27			14.07		
		9538	1907.6	23.28			14.08		
	Subtest 3	9262	1852.4	23.96	1.00	24.70	14.76	1.00	15.50
		9400	1880.0	23.77			14.57		
		9538	1907.6	23.89			14.69		
	Subtest 4	9262	1852.4	23.64	2.00	23.70	14.44	2.00	14.50
		9400	1880.0	23.31			14.11		
		9538	1907.6	23.51			14.31		
	Subtest 5	9262	1852.4	25.29	0.00	25.70	16.09	0.00	16.50
		9400	1880.0	24.83			15.63		
		9538	1907.6	25.03			15.83		
DC-HSDPA	Subtest 1	9262	1852.4	25.00	0.00	25.70	16.00	0.00	16.50
		9400	1880.0	25.10			16.10		
		9538	1907.6	25.11			16.11		
	Subtest 2	9262	1852.4	25.00	0.00	25.70	16.03	0.00	16.50
		9400	1880.0	25.10			16.10		
		9538	1907.6	25.11			16.05		
	Subtest 3	9262	1852.4	24.66	0.50	25.20	15.46	0.50	16.00
		9400	1880.0	24.32			15.12		
		9538	1907.6	25.02			15.82		
	Subtest 4	9262	1852.4	24.73	0.50	25.20	15.53	0.50	16.00
		9400	1880.0	24.36			15.16		
		9538	1907.6	25.04			15.84		
HSPA+	Subtest 1	9262	1852.4	22.34	2.50	23.20	13.14	2.50	14.00
		9400	1880.0	22.28			13.08		
		9538	1907.6	22.81			13.61		

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W-CDMA Band 2 Measured Results (ANT2)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	19.33	N/A	20.00	20.00	N/A	20.25
		9400	1880.0	19.50			20.00		
		9538	1907.6	19.65			20.00		
HSDPA	Subtest 1	9262	1852.4	19.33	0.00	20.00	19.58	0.00	20.25
		9400	1880.0	19.41			19.66		
		9538	1907.6	19.48			19.73		
	Subtest 2	9262	1852.4	19.42	0.00	20.00	19.67	0.00	20.25
		9400	1880.0	19.50			19.75		
		9538	1907.6	19.40			19.82		
	Subtest 3	9262	1852.4	18.70	0.50	19.50	18.95	0.50	19.75
		9400	1880.0	18.91			19.16		
		9538	1907.6	19.12			19.37		
	Subtest 4	9262	1852.4	18.80	0.50	19.50	19.05	0.50	19.75
		9400	1880.0	18.87			19.12		
		9538	1907.6	18.95			19.20		
HSUPA	Subtest 1	9262	1852.4	19.31	0.00	20.00	19.56	0.00	20.25
		9400	1880.0	19.50			19.75		
		9538	1907.6	19.40			19.82		
	Subtest 2	9262	1852.4	17.30	2.00	18.00	17.55	2.00	18.25
		9400	1880.0	17.37			17.62		
		9538	1907.6	17.45			17.70		
	Subtest 3	9262	1852.4	18.81	1.00	19.00	19.06	1.00	19.25
		9400	1880.0	18.23			18.48		
		9538	1907.6	18.07			18.32		
	Subtest 4	9262	1852.4	17.64	2.00	18.00	17.89	2.00	18.25
		9400	1880.0	17.31			17.56		
		9538	1907.6	17.51			17.76		
	Subtest 5	9262	1852.4	19.29	0.00	20.00	19.54	0.00	20.25
		9400	1880.0	19.40			19.89		
		9538	1907.6	19.03			19.28		
DC-HSDPA	Subtest 1	9262	1852.4	19.46	0.00	20.00	19.91	0.00	20.25
		9400	1880.0	19.47			19.82		
		9538	1907.6	19.41			19.66		
	Subtest 2	9262	1852.4	19.23	0.00	20.00	19.48	0.00	20.25
		9400	1880.0	19.50			19.80		
		9538	1907.6	19.38			19.63		
	Subtest 3	9262	1852.4	18.66	0.50	19.50	18.91	0.50	19.75
		9400	1880.0	18.52			18.77		
		9538	1907.6	19.02			19.27		
	Subtest 4	9262	1852.4	18.73	0.50	19.50	18.98	0.50	19.75
		9400	1880.0	18.66			18.91		
		9538	1907.6	19.04			19.29		
HSPA+	Subtest 1	9262	1852.4	17.34	2.50	17.50	17.59	2.50	17.75
		9400	1880.0	17.28			17.53		
		9538	1907.6	16.97			17.22		

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W-CDMA Band 2 Measured Results (ANT3)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	24.18	N/A	24.70	19.50	N/A	19.50
		9400	1880.0	24.50			19.50		
		9538	1907.6	24.50			19.50		
HSDPA	Subtest 1	9262	1852.4	24.28	0.0	24.70	19.11	0.0	19.50
		9400	1880.0	24.36			19.19		
		9538	1907.6	24.43			19.26		
	Subtest 2	9262	1852.4	24.37	0.0	24.70	19.13	0.0	19.50
		9400	1880.0	24.45			19.14		
		9538	1907.6	24.40			19.24		
	Subtest 3	9262	1852.4	23.67	0.5	24.20	18.25	0.5	19.00
		9400	1880.0	23.86			18.35		
		9538	1907.6	24.07			18.38		
	Subtest 4	9262	1852.4	23.75	0.5	24.20	18.58	0.5	19.00
		9400	1880.0	23.82			18.65		
		9538	1907.6	23.90			18.73		
HSUPA	Subtest 1	9262	1852.4	24.26	0.0	24.70	19.09	0.0	19.50
		9400	1880.0	24.45			19.24		
		9538	1907.6	24.40			19.28		
	Subtest 2	9262	1852.4	22.25	2.0	22.70	17.08	2.0	17.50
		9400	1880.0	22.32			17.15		
		9538	1907.6	22.40			17.23		
	Subtest 3	9262	1852.4	23.00	1.0	23.70	18.14	1.0	18.50
		9400	1880.0	23.18			18.01		
		9538	1907.6	23.17			18.00		
	Subtest 4	9262	1852.4	22.59	2.0	22.70	17.27	2.0	17.50
		9400	1880.0	22.26			17.09		
		9538	1907.6	22.46			17.10		
	Subtest 5	9262	1852.4	24.24	0.0	24.70	19.07	0.0	19.50
		9400	1880.0	24.40			18.87		
		9538	1907.6	24.22			19.05		
DC-HSDPA	Subtest 1	9262	1852.4	24.40	0.0	24.70	19.27	0.0	19.50
		9400	1880.0	24.50			19.18		
		9538	1907.6	24.36			19.02		
	Subtest 2	9262	1852.4	24.18	0.0	24.70	18.84	0.0	19.50
		9400	1880.0	24.50			19.16		
		9538	1907.6	24.33			18.99		
	Subtest 3	9262	1852.4	23.68	0.5	24.20	18.34	0.5	19.00
		9400	1880.0	23.78			18.44		
		9538	1907.6	23.97			18.63		
	Subtest 4	9262	1852.4	23.68	0.5	24.20	18.34	0.5	19.00
		9400	1880.0	23.77			18.43		
		9538	1907.6	23.99			18.65		
HSPA+	Subtest 1	9262	1852.4	21.29	2.5	22.20	16.95	2.5	17.00
		9400	1880.0	21.23			16.89		
		9538	1907.6	21.52			16.70		

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W-CDMA Band 2 Measured Results (ANT4)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	19.00	N/A	19.00	20.00	N/A	20.25
		9400	1880.0	19.00			20.00		
		9538	1907.6	19.00			20.00		
HSDPA	Subtest 1	9262	1852.4	18.19	0.00	19.00	19.25	0.00	20.25
		9400	1880.0	18.31			19.30		
		9538	1907.6	18.43			19.25		
	Subtest 2	9262	1852.4	18.30	0.00	19.00	19.35	0.00	20.25
		9400	1880.0	18.42			19.30		
		9538	1907.6	18.54			19.25		
	Subtest 3	9262	1852.4	17.85	0.50	18.50	18.90	0.50	19.75
		9400	1880.0	17.97			19.02		
		9538	1907.6	18.09			19.14		
	Subtest 4	9262	1852.4	17.99	0.50	18.50	19.04	0.50	19.75
		9400	1880.0	18.11			19.16		
		9538	1907.6	18.23			19.28		
HSUPA	Subtest 1	9262	1852.4	18.36	0.00	19.00	19.25	0.00	20.25
		9400	1880.0	18.48			19.31		
		9538	1907.6	18.40			19.28		
	Subtest 2	9262	1852.4	16.51	2.00	17.00	17.56	2.00	18.25
		9400	1880.0	16.63			17.68		
		9538	1907.6	16.75			17.80		
	Subtest 3	9262	1852.4	17.11	1.00	18.00	18.25	1.00	19.25
		9400	1880.0	17.28			18.33		
		9538	1907.6	17.44			18.49		
	Subtest 4	9262	1852.4	16.30	2.00	17.00	17.35	2.00	18.25
		9400	1880.0	16.42			17.47		
		9538	1907.6	16.54			17.59		
	Subtest 5	9262	1852.4	18.34	0.00	19.00	19.35	0.00	20.25
		9400	1880.0	18.44			19.30		
		9538	1907.6	18.48			19.25		
DC-HSDPA	Subtest 1	9262	1852.4	18.41	0.00	19.00	19.25	0.00	20.25
		9400	1880.0	18.36			19.30		
		9538	1907.6	18.24			19.25		
	Subtest 2	9262	1852.4	18.09	0.00	19.00	19.25	0.00	20.25
		9400	1880.0	18.21			19.26		
		9538	1907.6	18.33			19.30		
	Subtest 3	9262	1852.4	18.02	0.50	18.50	19.07	0.50	19.75
		9400	1880.0	18.14			19.19		
		9538	1907.6	18.26			19.31		
	Subtest 4	9262	1852.4	17.79	0.50	18.50	18.84	0.50	19.75
		9400	1880.0	17.91			18.96		
		9538	1907.6	18.03			19.08		
HSPA+	Subtest 1	9262	1852.4	16.44	2.50	16.50	17.74	2.50	17.75
		9400	1880.0	16.48			17.68		
		9538	1907.6	16.47			17.67		

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W-CDMA Band 4 Measured Results (ANT1)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A {dBm}			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	25.40	N/A	25.70	16.50	N/A	17.00
		1413	1732.6	25.40			16.50		
		1513	1752.6	25.35			16.65		
HSDPA	Subtest 1	1312	1712.4	24.75	0.00	25.70	16.05	0.00	17.00
		1413	1732.6	25.25			16.45		
		1513	1752.6	25.30			16.42		
	Subtest 2	1312	1712.4	25.36	0.00	25.70	16.40	0.00	17.00
		1413	1732.6	25.10			16.40		
		1513	1752.6	24.75			16.05		
	Subtest 3	1312	1712.4	25.20	0.50	25.20	16.30	0.50	16.50
		1413	1732.6	24.60			15.90		
		1513	1752.6	24.92			16.22		
	Subtest 4	1312	1712.4	25.00	0.50	25.20	16.30	0.50	16.50
		1413	1732.6	24.89			16.19		
		1513	1752.6	24.49			15.79		
HSUPA	Subtest 1	1312	1712.4	25.00	0.00	25.70	16.30	0.00	17.00
		1413	1732.6	24.80			16.10		
		1513	1752.6	24.88			16.18		
	Subtest 2	1312	1712.4	23.21	2.00	23.70	14.51	2.00	15.00
		1413	1732.6	22.95			14.25		
		1513	1752.6	23.69			14.99		
	Subtest 3	1312	1712.4	24.57	1.00	24.70	15.87	1.00	16.00
		1413	1732.6	24.23			15.53		
		1513	1752.6	24.03			15.33		
	Subtest 4	1312	1712.4	22.87	2.00	23.70	14.17	2.00	15.00
		1413	1732.6	23.05			14.35		
		1513	1752.6	23.53			14.83		
	Subtest 5	1312	1712.4	25.00	0.00	25.70	16.11	0.00	17.00
		1413	1732.6	25.11			16.28		
		1513	1752.6	25.12			16.45		
DC-HSDPA	Subtest 1	1312	1712.4	24.92	0.00	25.70	16.22	0.00	17.00
		1413	1732.6	25.26			16.45		
		1513	1752.6	25.31			16.35		
	Subtest 2	1312	1712.4	25.31	0.00	25.70	16.12	0.00	17.00
		1413	1732.6	25.25			16.22		
		1513	1752.6	25.05			16.35		
	Subtest 3	1312	1712.4	24.32	0.50	25.20	15.62	0.50	16.50
		1413	1732.6	24.59			15.89		
		1513	1752.6	24.79			16.09		
	Subtest 4	1312	1712.4	24.97	0.50	25.20	16.27	0.50	16.50
		1413	1732.6	24.23			15.53		
		1513	1752.6	24.88			16.18		
HSPA+	Subtest 1	1312	1712.4	22.90	2.50	23.20	13.82	2.50	14.50
		1413	1732.6	22.55			13.85		
		1513	1752.6	22.35			13.65		

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W-CDMA Band 4 Measured Results (ANT2)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	18.50	N/A	18.50	17.00	N/A	17.25
		1413	1732.6	18.50			17.00		
		1513	1752.6	18.50			17.00		
HSDPA	Subtest 1	1312	1712.4	17.83	0.00	18.50	16.63	0.00	17.25
		1413	1732.6	17.91			16.71		
		1513	1752.6	17.98			16.78		
	Subtest 2	1312	1712.4	17.92	0.00	18.50	16.72	0.00	17.25
		1413	1732.6	18.00			16.80		
		1513	1752.6	18.07			16.87		
	Subtest 3	1312	1712.4	17.20	0.50	18.00	16.00	0.50	16.75
		1413	1732.6	17.41			16.21		
		1513	1752.6	17.62			16.42		
	Subtest 4	1312	1712.4	17.30	0.50	18.00	16.10	0.50	16.75
		1413	1732.6	17.37			16.17		
		1513	1752.6	17.45			16.25		
HSUPA	Subtest 1	1312	1712.4	17.81	0.00	18.50	16.61	0.00	17.25
		1413	1732.6	18.00			16.80		
		1513	1752.6	18.07			16.87		
	Subtest 2	1312	1712.4	15.80	2.00	16.50	14.60	2.00	15.25
		1413	1732.6	15.87			14.67		
		1513	1752.6	15.95			14.75		
	Subtest 3	1312	1712.4	17.31	1.00	17.50	16.11	1.00	16.25
		1413	1732.6	16.73			15.53		
		1513	1752.6	16.57			15.37		
	Subtest 4	1312	1712.4	16.14	2.00	16.50	14.94	2.00	15.25
		1413	1732.6	15.81			14.61		
		1513	1752.6	16.01			14.81		
	Subtest 5	1312	1712.4	17.79	0.00	18.50	16.59	0.00	17.25
		1413	1732.6	18.14			16.94		
		1513	1752.6	17.53			16.33		
DC-HSDPA	Subtest 1	1312	1712.4	18.16	0.00	18.50	16.96	0.00	17.25
		1413	1732.6	18.07			16.87		
		1513	1752.6	17.91			16.71		
	Subtest 2	1312	1712.4	17.73	0.00	18.50	16.53	0.00	17.25
		1413	1732.6	18.05			16.85		
		1513	1752.6	17.88			16.68		
	Subtest 3	1312	1712.4	17.16	0.50	18.00	15.96	0.50	16.75
		1413	1732.6	17.02			15.82		
		1513	1752.6	17.52			16.32		
	Subtest 4	1312	1712.4	17.23	0.50	18.00	16.03	0.50	16.75
		1413	1732.6	17.16			15.96		
		1513	1752.6	17.54			16.34		
HSPA+	Subtest 1	1312	1712.4	15.84	2.50	16.00	14.64	2.50	14.75
		1413	1732.6	15.78			14.58		
		1513	1752.6	15.47			14.02		

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W-CDMA Band 4 Measured Results (ANT3)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B [dBm]		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	24.29	N/A	24.70	20.63	N/A	21.25
		1413	1732.6	24.50			21.00		
		1513	1752.6	24.61			20.97		
HSDPA	Subtest 1	1312	1712.4	24.28	0.0	24.70	20.64	0	21.25
		1413	1732.6	24.37			20.74		
		1513	1752.6	24.43			20.76		
	Subtest 2	1312	1712.4	24.39	0.0	24.70	20.71	0	21.25
		1413	1732.6	24.49			20.80		
		1513	1752.6	24.40			20.90		
	Subtest 3	1312	1712.4	23.72	0.5	24.20	20.05	0.5	20.75
		1413	1732.6	23.85			20.17		
		1513	1752.6	24.06			20.40		
	Subtest 4	1312	1712.4	23.77	0.5	24.20	20.12	0.5	20.75
		1413	1732.6	23.81			20.13		
		1513	1752.6	23.93			20.27		
HSUPA	Subtest 1	1312	1712.4	24.24	0.0	24.70	20.56	0	21.25
		1413	1732.6	24.44			20.75		
		1513	1752.6	24.50			20.83		
	Subtest 2	1312	1712.4	22.25	2.0	22.70	18.62	2	19.25
		1413	1732.6	22.36			18.69		
		1513	1752.6	22.38			18.72		
	Subtest 3	1312	1712.4	23.58	1.0	23.70	20.12	1	20.25
		1413	1732.6	23.27			19.64		
		1513	1752.6	23.22			19.53		
	Subtest 4	1312	1712.4	22.60	2.0	22.70	18.93	2	19.25
		1413	1732.6	22.25			18.59		
		1513	1752.6	22.44			18.76		
	Subtest 5	1312	1712.4	24.23	0.0	24.70	20.57	0	21.25
		1413	1732.6	24.40			20.92		
		1513	1752.6	24.26			20.60		
DC-HSDPA	Subtest 1	1312	1712.4	24.40	0.0	24.70	20.94	0	21.25
		1413	1732.6	24.40			20.82		
		1513	1752.6	24.37			20.74		
	Subtest 2	1312	1712.4	24.27	0.0	24.70	20.62	0	21.25
		1413	1732.6	24.48			20.82		
		1513	1752.6	24.36			20.73		
	Subtest 3	1312	1712.4	23.70	0.5	24.20	20.02	0.5	20.75
		1413	1732.6	23.79			20.14		
		1513	1752.6	24.00			20.36		
	Subtest 4	1312	1712.4	23.72	0.5	24.20	20.08	0.5	20.75
		1413	1732.6	23.75			20.11		
		1513	1752.6	23.97			20.34		
HSPA+	Subtest 1	1312	1712.4	21.33	2.5	22.20	18.69	2.5	18.75
		1413	1732.6	21.25			18.58		
		1513	1752.6	21.33			18.17		

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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	20.00	N/A	20.00	20.75	N/A	21.00
		1413	1732.6	20.00			20.75		
		1513	1752.6	20.00			20.75		
HSDPA	Subtest 1	1312	1712.4	19.49	0.00	20.00	20.49	0.00	21.00
		1413	1732.6	19.61			20.61		
		1513	1752.6	19.73			20.73		
	Subtest 2	1312	1712.4	19.60	0.00	20.00	20.60	0.00	21.00
		1413	1732.6	19.72			20.72		
		1513	1752.6	19.84			20.70		
	Subtest 3	1312	1712.4	18.85	0.50	19.50	19.85	0.50	20.50
		1413	1732.6	18.97			19.97		
		1513	1752.6	19.09			20.09		
	Subtest 4	1312	1712.4	18.99	0.50	19.50	19.99	0.50	20.50
		1413	1732.6	19.11			20.11		
		1513	1752.6	19.23			20.23		
HSUPA	Subtest 1	1312	1712.4	19.25	0.00	20.00	20.25	0.00	21.00
		1413	1732.6	19.37			20.37		
		1513	1752.6	19.49			20.49		
	Subtest 2	1312	1712.4	17.35	2.00	18.00	18.35	2.00	19.00
		1413	1732.6	17.47			18.47		
		1513	1752.6	17.59			18.59		
	Subtest 3	1312	1712.4	18.45	1.00	19.00	19.45	1.00	20.00
		1413	1732.6	18.57			19.57		
		1513	1752.6	18.69			19.69		
	Subtest 4	1312	1712.4	17.45	2.00	18.00	18.45	2.00	19.00
		1413	1732.6	17.57			18.57		
		1513	1752.6	17.69			18.69		
	Subtest 5	1312	1712.4	19.33	0.00	20.00	20.33	0.00	21.00
		1413	1732.6	19.45			20.45		
		1513	1752.6	19.57			20.57		
DC-HSDPA	Subtest 1	1312	1712.4	19.47	0.00	20.00	20.47	0.00	21.00
		1413	1732.6	19.59			20.59		
		1513	1752.6	19.71			20.71		
	Subtest 2	1312	1712.4	19.58	0.00	20.00	20.58	0.00	21.00
		1413	1732.6	19.70			20.70		
		1513	1752.6	19.82			20.70		
	Subtest 3	1312	1712.4	18.97	0.50	19.50	19.97	0.50	20.50
		1413	1732.6	19.09			20.09		
		1513	1752.6	19.21			20.21		
	Subtest 4	1312	1712.4	19.08	0.50	19.50	20.08	0.50	20.50
		1413	1732.6	19.20			20.20		
		1513	1752.6	19.32			20.32		
HSPA+	Subtest 1	1312	1712.4	16.57	2.50	17.50	17.57	2.50	18.50
		1413	1732.6	16.69			17.69		
		1513	1752.6	16.81			17.81		

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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	25.17	N/A	25.70	25.17	N/A	25.70
		4183	836.6	25.50			25.50		
		4233	846.6	25.50			25.50		
HSDPA	Subtest 1	4132	826.4	25.42	0.00	25.70	25.42	0.00	25.70
		4183	836.6	25.17			25.17		
		4233	846.6	25.50			25.50		
	Subtest 2	4132	826.4	25.40	0.00	25.70	25.40	0.00	25.70
		4183	836.6	25.40			25.40		
		4233	846.6	24.83			24.83		
	Subtest 3	4132	826.4	25.16	0.50	25.20	25.16	0.50	25.20
		4183	836.6	25.20			25.20		
		4233	846.6	25.10			25.10		
	Subtest 4	4132	826.4	25.18	0.50	25.20	25.18	0.50	25.20
		4183	836.6	24.82			24.82		
		4233	846.6	24.72			24.72		
HSUPA	Subtest 1	4132	826.4	25.30	0.00	25.70	25.30	0.00	25.70
		4183	836.6	25.34			25.34		
		4233	846.6	25.31			25.31		
	Subtest 2	4132	826.4	23.57	2.00	23.70	23.57	2.00	23.70
		4183	836.6	23.33			23.33		
		4233	846.6	23.23			23.23		
	Subtest 3	4132	826.4	24.68	1.00	24.70	24.68	1.00	24.70
		4183	836.6	24.32			24.32		
		4233	846.6	24.05			24.05		
	Subtest 4	4132	826.4	23.54	2.00	23.70	23.54	2.00	23.70
		4183	836.6	23.68			23.68		
		4233	846.6	23.55			23.55		
	Subtest 5	4132	826.4	25.30	0.00	25.70	25.30	0.00	25.70
		4183	836.6	25.41			25.41		
		4233	846.6	25.32			25.32		
DC-HSDPA	Subtest 1	4132	826.4	25.69	0.00	25.70	25.69	0.00	25.70
		4183	836.6	25.21			25.21		
		4233	846.6	24.97			24.97		
	Subtest 2	4132	826.4	24.77	0.00	25.70	24.77	0.00	25.70
		4183	836.6	25.10			25.10		
		4233	846.6	25.30			25.30		
	Subtest 3	4132	826.4	24.98	0.50	25.20	24.98	0.50	25.20
		4183	836.6	24.80			24.80		
		4233	846.6	24.72			24.72		
	Subtest 4	4132	826.4	24.80	0.50	25.20	24.80	0.50	25.20
		4183	836.6	25.20			25.20		
		4233	846.6	24.98			24.98		
HSPA+	Subtest 1	4132	826.4	22.84	2.50	23.20	22.84	2.50	23.20
		4183	836.6	22.82			22.82		
		4233	846.6	22.90			22.90		

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W-CDMA Band 5 Measured Results (ANT2)

Mode		UL Ch No.	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	4132	826.4	23.14	N/A	23.90	23.14	N/A	23.90
		4183	836.6	23.60			23.60		
		4233	846.6	23.56			23.56		
HSDPA	Subtest 1	4132	826.4	23.24	0.00	23.90	23.24	0.00	23.90
		4183	836.6	23.32			23.32		
		4233	846.6	23.39			23.39		
	Subtest 2	4132	826.4	23.33	0.00	23.90	23.33	0.00	23.90
		4183	836.6	23.41			23.41		
		4233	846.6	23.48			23.48		
	Subtest 3	4132	826.4	22.61	0.50	23.40	22.61	0.50	23.40
		4183	836.6	22.82			22.82		
		4233	846.6	23.03			23.03		
	Subtest 4	4132	826.4	22.71	0.50	23.40	22.71	0.50	23.40
		4183	836.6	22.78			22.78		
		4233	846.6	22.86			22.86		
HSUPA	Subtest 1	4132	826.4	23.22	0.00	23.90	23.22	0.00	23.90
		4183	836.6	23.41			23.41		
		4233	846.6	23.48			23.48		
	Subtest 2	4132	826.4	21.21	2.00	21.90	21.21	2.00	21.90
		4183	836.6	21.28			21.28		
		4233	846.6	21.36			21.36		
	Subtest 3	4132	826.4	22.72	1.00	22.90	22.72	1.00	22.90
		4183	836.6	22.14			22.14		
		4233	846.6	21.98			21.98		
	Subtest 4	4132	826.4	21.55	2.00	21.90	21.55	2.00	21.90
		4183	836.6	21.22			21.22		
		4233	846.6	21.42			21.42		
	Subtest 5	4132	826.4	23.20	0.00	23.90	23.20	0.00	23.90
		4183	836.6	23.55			23.55		
		4233	846.6	22.94			22.94		
DC-HSDPA	Subtest 1	4132	826.4	23.57	0.00	23.90	23.57	0.00	23.90
		4183	836.6	23.48			23.48		
		4233	846.6	23.32			23.32		
	Subtest 2	4132	826.4	23.14	0.00	23.90	23.14	0.00	23.90
		4183	836.6	23.46			23.46		
		4233	846.6	23.29			23.29		
	Subtest 3	4132	826.4	22.57	0.50	23.40	22.57	0.50	23.40
		4183	836.6	22.43			22.43		
		4233	846.6	22.93			22.93		
	Subtest 4	4132	826.4	22.64	0.50	23.40	22.64	0.50	23.40
		4183	836.6	22.57			22.57		
		4233	846.6	22.95			22.95		
HSPA+	Subtest 1	4132	826.4	21.25	2.50	21.40	21.25	2.50	21.40
		4183	836.6	21.19			21.19		
		4233	846.6	20.88			20.88		

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9.3. CDMA

1x Advanced Setup Procedures used to establish the test signals

Call box setup procedure

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

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

Call box setup procedure

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

- 1xEV-DO Signaling Configuration Window

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

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

  - Under Carrier Configuration: RF Pilot

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

  For Three Carriers: Low Channel (1013)

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

  - Under Carrier Configuration: RF Pilot

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

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

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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 ≤ ¼ dB higher than the primary mode

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

CDMA BC1 is not supported for ANT3 and ANT 4.

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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	25.14	25.70	25.14	25.70
		384	836.52	25.24		25.24	
		777	848.31	25.59		25.59	
	RC3, SO55 (Loopback)	1013	824.70	25.49		25.49	
		384	836.52	25.49		25.49	
		777	848.31	25.00		25.00	
	RC3, SO32 (+F-SCH)	1013	824.70	25.08		25.08	
		384	836.52	25.30		25.30	
		777	848.31	25.35		25.35	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	1013	824.70	25.18	25.70	25.18	25.70
		384	836.52	24.98		24.98	
		777	848.31	25.68		25.68	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	1013	824.70	25.11	25.70	25.11	25.70
		384	836.52	25.49		25.49	
		777	848.31	25.44		25.44	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	1013	824.70	24.77	25.70	24.77	25.70
		384	836.52	25.04		25.04	
		777	848.31	25.54		25.54	

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	23.61	23.90	23.61	23.90
		384	836.52	23.54		23.54	
		777	848.31	23.56		23.56	
	RC3, SO55 (Loopback)	1013	824.70	23.58		23.58	
		384	836.52	23.90		23.90	
		777	848.31	23.70		23.70	
	RC3, SO32 (+F-SCH)	1013	824.70	23.65		23.65	
		384	836.52	23.90		23.90	
		777	848.31	23.68		23.68	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	1013	824.70	23.16	23.90	23.16	23.90
		384	836.52	23.16		23.16	
		777	848.31	23.17		23.17	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	1013	824.70	23.23	23.90	23.23	23.90
		384	836.52	23.90		23.90	
		777	848.31	23.27		23.27	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	1013	824.70	23.23	23.90	23.23	23.90
		384	836.52	23.25		23.25	
		777	848.31	23.28		23.28	

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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	25.00	25.70	16.08	16.50
		600	1880.00	25.30		16.07	
		1175	1908.75	25.22		16.02	
	RC3, SO55 (Loopback)	25	1851.25	25.30		15.50	
		600	1880.00	25.40		15.52	
		1175	1908.75	24.94		15.74	
	RC3, SO32 (+F-SCH)	25	1851.25	25.10		16.10	
		600	1880.00	25.08		16.40	
		1175	1908.75	24.78		16.30	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	25	1851.25	25.30	25.70	16.28	16.50
		600	1880	25.10		16.39	
		1175	1908.75	24.87		15.67	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	25	1851.25	24.86	25.70	15.66	16.50
		600	1880.00	25.27		16.07	
		1175	1908.75	25.05		15.85	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	25	1851.25	25.13	25.70	15.93	16.50
		600	1880	25.18		16.28	
		1175	1908.75	24.92		15.72	

CDMA BC1 Measured Results (ANT2)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pwr	Tune-up Limit	Measured Pwr	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	25	1851.25	19.01	20.00	19.23	20.25
		600	1880.00	19.05		19.27	
		1175	1908.75	19.18		19.39	
	RC3, SO55 (Loopback)	25	1851.25	19.18		19.11	
		600	1880.00	19.35		19.15	
		1175	1908.75	19.31		19.23	
	RC3, SO32 (+F-SCH)	25	1851.25	19.35		19.45	
		600	1880.00	19.30		19.50	
		1175	1908.75	19.31		19.43	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	25	1851.25	19.03	20.00	19.26	20.25
		600	1880	19.13		19.35	
		1175	1908.75	19.26		19.47	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	25	1851.25	19.30	20.00	19.30	20.25
		600	1880.00	19.35		19.23	
		1175	1908.75	19.22		19.34	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	25	1851.25	19.30	20.00	19.24	20.25
		600	1880	19.41		19.35	
		1175	1908.75	19.20		19.50	

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CDMA BC10 Measured Results (ANT1)

Mode		Channel	Freq. (MHz)	Power Mode A {dBm}		Power Mode B (dBm}	
				Measured Pwr	Tune-up Limit	Measured Pwr	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	560	820.00	25.00	25.70	25.00	25.70
	RC3, SO55 (Loopback)	560	820.00	25.20		25.20	
	RC3, SO32 (+F-SCH)	560	820.00	25.20		25.20	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	560	820.00	24.99	25.70	24.99	25.70
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	560	820.00	25.20	25.70	25.20	25.70
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	560	820.00	25.20	25.70	25.20	25.70

CDMA BC10 Measured Results (ANT2)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pwr	Tune-up Limit	Measured Pwr	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	560	820.00	23.01	23.90	23.01	23.90
	RC3, SO55 (Loopback)	560	820.00	23.50		23.50	
	RC3, SO32 (+F-SCH)	560	820.00	23.50		23.50	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	560	820.00	23.46	23.90	23.46	23.90
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	560	820.00	23.50	23.90	23.50	23.90
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	560	820.00	23.40	23.90	23.40	23.90

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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

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Maximum Output Power (Tune-up Limit) for LTE

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

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

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

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

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

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

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

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LTE Band 5 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A {dBm}			Power Mode B {dBm}				
				[redacted]	20525	[redacted]	MPR	Tune-up Limit	[redacted]	20525	[redacted]	MPR	Tune-up Limit
					836.5 MHz					836.5 MHz			
10 MHz	QPSK	1	0		25.02		0.00	25.70		25.02		0.00	25.70
		1	25		25.60		0.00	25.70		25.60		0.00	25.70
		1	49		24.92		0.00	25.70		24.92		0.00	25.70
		25	0		24.06		1.00	24.70		24.06		1.00	24.70
		25	12		24.60		1.00	24.70		24.60		1.00	24.70
		25	25		24.11		1.00	24.70		24.11		1.00	24.70
		50	0		24.07		1.00	24.70		24.07		1.00	24.70
	16QAM	1	0		24.12		1.00	24.70		24.12		1.00	24.70
		1	25		24.07		1.00	24.70		24.07		1.00	24.70
		1	49		24.04		1.00	24.70		24.04		1.00	24.70
		25	0		23.17		2.00	23.70		23.17		2.00	23.70
		25	12		23.25		2.00	23.70		23.25		2.00	23.70
		25	25		23.21		2.00	23.70		23.21		2.00	23.70
		50	0		23.09		2.00	23.70		23.09		2.00	23.70
	64QAM	1	0		23.27		2.00	23.70		23.27		2.00	23.70
		1	25		23.31		2.00	23.70		23.31		2.00	23.70
		1	49		23.22		2.00	23.70		23.22		2.00	23.70
		25	0		22.16		3.00	22.70		22.16		3.00	22.70
		25	12		22.23		3.00	22.70		22.23		3.00	22.70
		25	25		22.20		3.00	22.70		22.20		3.00	22.70
		50	0		22.07		3.00	22.70		22.07		3.00	22.70
	256QAM	1	0		19.90		5.00	20.70		19.90		5.00	20.70
		1	25		19.97		5.00	20.70		19.97		5.00	20.70
		1	49		20.05		5.00	20.70		20.05		5.00	20.70
		25	0		20.07		5.00	20.70		20.07		5.00	20.70
		25	12		20.07		5.00	20.70		20.07		5.00	20.70
		25	25		19.91		5.00	20.70		19.91		5.00	20.70
		50	0		20.06		5.00	20.70		20.06		5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A {dBm}			MPR	Tune-up Limit	Power Mode B {dBm}			MPR	Tune-up Limit
				20425.00	20525.00	20625.00			20425.00	20525.00	20625.00		
				826.5 MHz	836.5 MHz	846.5 MHz			826.5 MHz	836.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	25.05	25.00	25.00	0.00	25.70	25.05	25.00	25.00	0.00	25.70
		1	12	25.12	25.07	25.08	0.00	25.70	25.12	25.07	25.08	0.00	25.70
		1	24	25.06	25.05	25.02	0.00	25.70	25.06	25.05	25.02	0.00	25.70
		12	0	24.10	24.08	24.05	1.00	24.70	24.10	24.08	24.05	1.00	24.70
		12	7	24.22	24.15	24.09	1.00	24.70	24.22	24.15	24.09	1.00	24.70
		12	13	24.15	24.10	24.09	1.00	24.70	24.15	24.10	24.09	1.00	24.70
		25	0	24.13	24.07	24.01	1.00	24.70	24.13	24.07	24.01	1.00	24.70
	16QAM	1	0	24.19	24.18	24.15	1.00	24.70	24.19	24.18	24.15	1.00	24.70
		1	12	24.24	24.23	24.23	1.00	24.70	24.24	24.23	24.23	1.00	24.70
		1	24	24.27	24.21	24.13	1.00	24.70	24.27	24.21	24.13	1.00	24.70
		12	0	23.14	23.14	23.09	2.00	23.70	23.14	23.14	23.09	2.00	23.70
		12	7	23.25	23.20	23.14	2.00	23.70	23.25	23.20	23.14	2.00	23.70
		12	13	23.26	23.17	23.15	2.00	23.70	23.26	23.17	23.15	2.00	23.70
		25	0	23.11	23.05	22.99	2.00	23.70	23.11	23.05	22.99	2.00	23.70
	64QAM	1	0	23.33	23.30	23.27	2.00	23.70	23.33	23.30	23.27	2.00	23.70
		1	12	23.41	23.37	23.35	2.00	23.70	23.41	23.37	23.35	2.00	23.70
		1	24	23.37	23.33	23.32	2.00	23.70	23.37	23.33	23.32	2.00	23.70
		12	0	22.23	22.14	22.16	3.00	22.70	22.23	22.14	22.16	3.00	22.70
		12	7	22.28	22.25	22.16	3.00	22.70	22.28	22.25	22.16	3.00	22.70
		12	13	22.29	22.18	22.16	3.00	22.70	22.29	22.18	22.16	3.00	22.70
		25	0	22.21	22.16	22.07	3.00	22.70	22.21	22.16	22.07	3.00	22.70
	256QAM	1	0	20.08	20.15	20.20	5.00	20.70	20.08	20.15	20.20	5.00	20.70
		1	12	19.97	20.03	20.14	5.00	20.70	19.97	20.03	20.14	5.00	20.70
		1	24	19.92	20.01	20.00	5.00	20.70	19.92	20.01	20.00	5.00	20.70
		12	0	19.96	20.14	20.17	5.00	20.70	19.96	20.14	20.17	5.00	20.70
		12	7	20.06	20.19	19.98	5.00	20.70	20.06	20.19	19.98	5.00	20.70
		12	13	19.91	20.07	20.19	5.00	20.70	19.91	20.07	20.19	5.00	20.70
		25	0	19.91	20.02	20.08	5.00	20.70	19.91	20.02	20.08	5.00	20.70

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LTE Band 5 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A {dBm}			MPR	Tune-up Limit	Power Mode B {dBm}			MPR	Tune-up Limit
				20415.00	20525.00	20635.00			20415.00	20525.00	20635.00		
				825.5 MHz	836.5 MHz	847.5 MHz			825.5 MHz	836.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	24.99	24.96	24.92	0.00	25.70	24.99	24.96	24.92	0.00	25.70
		1	8	25.01	24.95	24.94	0.00	25.70	25.01	24.95	24.94	0.00	25.70
		1	14	25.03	25.00	24.93	0.00	25.70	25.03	25.00	24.93	0.00	25.70
		8	0	24.17	24.06	24.01	1.00	24.70	24.17	24.06	24.01	1.00	24.70
		8	4	24.23	24.14	24.10	1.00	24.70	24.23	24.14	24.10	1.00	24.70
		8	7	24.19	24.18	24.12	1.00	24.70	24.19	24.18	24.12	1.00	24.70
		15	0	24.15	24.13	24.05	1.00	24.70	24.15	24.13	24.05	1.00	24.70
	16QAM	1	0	24.08	24.07	24.06	1.00	24.70	24.08	24.07	24.06	1.00	24.70
		1	8	24.12	24.05	24.09	1.00	24.70	24.12	24.05	24.09	1.00	24.70
		1	14	24.09	24.06	24.08	1.00	24.70	24.09	24.06	24.08	1.00	24.70
		8	0	23.23	23.10	23.06	2.00	23.70	23.23	23.10	23.06	2.00	23.70
		8	4	23.25	23.19	23.14	2.00	23.70	23.25	23.19	23.14	2.00	23.70
		8	7	23.23	23.22	23.16	2.00	23.70	23.23	23.22	23.16	2.00	23.70
		15	0	23.14	23.10	23.01	2.00	23.70	23.14	23.10	23.01	2.00	23.70
	64QAM	1	0	23.28	23.29	23.27	2.00	23.70	23.28	23.29	23.27	2.00	23.70
		1	8	23.33	23.31	23.31	2.00	23.70	23.33	23.31	23.31	2.00	23.70
		1	14	23.30	23.31	23.24	2.00	23.70	23.30	23.31	23.24	2.00	23.70
		8	0	22.18	22.02	22.03	3.00	22.70	22.18	22.02	22.03	3.00	22.70
		8	4	22.21	22.15	22.12	3.00	22.70	22.21	22.15	22.12	3.00	22.70
		8	7	22.22	22.15	22.14	3.00	22.70	22.22	22.15	22.14	3.00	22.70
		15	0	22.25	22.21	22.09	3.00	22.70	22.25	22.21	22.09	3.00	22.70
	256QAM	1	0	20.16	20.00	19.90	5.00	20.70	20.16	20.00	19.90	5.00	20.70
		1	8	19.99	20.08	20.13	5.00	20.70	19.99	20.08	20.13	5.00	20.70
		1	14	20.12	19.90	20.19	5.00	20.70	20.12	19.90	20.19	5.00	20.70
		8	0	20.19	20.20	20.09	5.00	20.70	20.19	20.20	20.09	5.00	20.70
		8	4	20.14	20.11	19.95	5.00	20.70	20.14	20.11	19.95	5.00	20.70
		8	7	20.12	19.90	19.97	5.00	20.70	20.12	19.90	19.97	5.00	20.70
		15	0	20.01	20.16	20.09	5.00	20.70	20.01	20.16	20.09	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A {dBm}			MPR	Tune-up Limit	Power Mode B {dBm}			MPR	Tune-up Limit
				20407.00	20525.00	20643.00			20407.00	20525.00	20643.00		
				824.7 MHz	836.5 MHz	848.3 MHz			824.7 MHz	836.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	24.98	24.88	24.97	0.00	25.70	24.98	24.88	24.97	0.00	25.70
		1	3	25.06	25.04	25.01	0.00	25.70	25.06	25.04	25.01	0.00	25.70
		1	5	25.05	24.98	24.92	0.00	25.70	25.05	24.98	24.92	0.00	25.70
		3	0	25.02	24.97	24.91	0.00	25.70	25.02	24.97	24.91	0.00	25.70
		3	1	25.08	25.00	24.96	0.00	25.70	25.08	25.00	24.96	0.00	25.70
		3	3	25.07	24.99	24.95	0.00	25.70	25.07	24.99	24.95	0.00	25.70
		6	0	24.08	24.03	24.01	1.00	24.70	24.08	24.03	24.01	1.00	24.70
	16QAM	1	0	24.41	24.36	24.34	1.00	24.70	24.41	24.36	24.34	1.00	24.70
		1	3	24.48	24.42	24.39	1.00	24.70	24.48	24.42	24.39	1.00	24.70
		1	5	24.45	24.38	24.33	1.00	24.70	24.45	24.38	24.33	1.00	24.70
		3	0	24.24	24.22	24.20	1.00	24.70	24.24	24.22	24.20	1.00	24.70
		3	1	24.28	24.26	24.23	1.00	24.70	24.28	24.26	24.23	1.00	24.70
		3	3	24.29	24.22	24.20	1.00	24.70	24.29	24.22	24.20	1.00	24.70
		6	0	23.04	22.94	22.96	2.00	23.70	23.04	22.94	22.96	2.00	23.70
	64QAM	1	0	23.15	23.13	23.16	2.00	23.70	23.15	23.13	23.16	2.00	23.70
		1	3	23.26	23.26	23.23	2.00	23.70	23.26	23.26	23.23	2.00	23.70
		1	5	23.15	23.21	22.94	2.00	23.70	23.15	23.21	22.94	2.00	23.70
		3	0	23.22	23.03	23.14	2.00	23.70	23.22	23.03	23.14	2.00	23.70
		3	1	23.25	23.06	23.20	2.00	23.70	23.25	23.06	23.20	2.00	23.70
		3	3	23.25	23.03	23.23	2.00	23.70	23.25	23.03	23.23	2.00	23.70
		6	0	22.44	22.11	22.38	3.00	22.70	22.44	22.11	22.38	3.00	22.70
	256QAM	1	0	20.10	20.19	20.01	5.00	20.70	20.10	20.19	20.01	5.00	20.70
		1	3	19.98	19.91	19.98	5.00	20.70	19.98	19.91	19.98	5.00	20.70
		1	5	19.90	20.13	20.11	5.00	20.70	19.90	20.13	20.11	5.00	20.70
		3	0	20.00	20.11	20.18	5.00	20.70	20.00	20.11	20.18	5.00	20.70
		3	1	20.05	20.09	20.09	5.00	20.70	20.05	20.09	20.09	5.00	20.70
		3	3	20.05	20.11	20.00	5.00	20.70	20.05	20.11	20.00	5.00	20.70
		6	0	20.16	19.97	20.17	5.00	20.70	20.16	19.97	20.17	5.00	20.70

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LTE Band 5 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)		MPR	Tune-up Limit	Power Mode B (dBm)		MPR	Tune-up Limit
				20525				20525			
				836.5 MHz				836.5 MHz			
10 MHz	QPSK	1	0	24.33		0.00	24.50	24.33		0.00	24.50
		1	25	24.50		0.00	24.50	24.50		0.00	24.50
		1	49	24.24		0.00	24.50	24.24		0.00	24.50
		25	0	23.37		1.00	23.50	23.37		1.00	23.50
		25	12	23.40		1.00	23.50	23.40		1.00	23.50
		25	25	23.39		1.00	23.50	23.39		1.00	23.50
		50	0	23.35		1.00	23.50	23.35		1.00	23.50
	16QAM	1	0	23.34		1.00	23.50	23.34		1.00	23.50
		1	25	23.26		1.00	23.50	23.26		1.00	23.50
		1	49	23.26		1.00	23.50	23.26		1.00	23.50
		25	0	22.36		2.00	22.50	22.36		2.00	22.50
		25	12	22.44		2.00	22.50	22.44		2.00	22.50
		25	25	22.40		2.00	22.50	22.40		2.00	22.50
		50	0	22.33		2.00	22.50	22.33		2.00	22.50
	64QAM	1	0	22.29		2.00	22.50	22.29		2.00	22.50
		1	25	22.21		2.00	22.50	22.21		2.00	22.50
		1	49	22.21		2.00	22.50	22.21		2.00	22.50
		25	0	21.31		3.00	21.50	21.31		3.00	21.50
		25	12	21.39		3.00	21.50	21.39		3.00	21.50
		25	25	21.35		3.00	21.50	21.35		3.00	21.50
		50	0	21.28		3.00	21.50	21.28		3.00	21.50
	256QAM	1	0	19.41		5.00	19.50	19.41		5.00	19.50
		1	25	19.22		5.00	19.50	19.22		5.00	19.50
		1	49	19.31		5.00	19.50	19.31		5.00	19.50
		25	0	19.29		5.00	19.50	19.29		5.00	19.50
		25	12	19.20		5.00	19.50	19.20		5.00	19.50
		25	25	19.28		5.00	19.50	19.28		5.00	19.50
		50	0	19.29		5.00	19.50	19.29		5.00	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20425	20525	20625			20425	20525	20625		
				826.5 MHz	836.5 MHz	846.5 MHz			826.5 MHz	836.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	24.25	24.31	24.14	0.00	24.50	24.25	24.31	24.14	0.00	24.50
		1	12	24.34	24.39	24.24	0.00	24.50	24.34	24.39	24.24	0.00	24.50
		1	24	24.32	24.34	24.20	0.00	24.50	24.32	24.34	24.20	0.00	24.50
		12	0	23.27	23.22	23.18	1.00	23.50	23.27	23.22	23.18	1.00	23.50
		12	7	23.35	23.35	23.20	1.00	23.50	23.35	23.35	23.20	1.00	23.50
		12	13	23.36	23.26	23.26	1.00	23.50	23.36	23.26	23.26	1.00	23.50
		25	0	23.33	23.31	23.22	1.00	23.50	23.33	23.31	23.22	1.00	23.50
	16QAM	1	0	23.36	23.39	23.31	1.00	23.50	23.36	23.39	23.31	1.00	23.50
		1	12	23.46	23.47	23.39	1.00	23.50	23.46	23.47	23.39	1.00	23.50
		1	24	23.45	23.42	23.31	1.00	23.50	23.45	23.42	23.31	1.00	23.50
		12	0	22.35	22.32	22.32	2.00	22.50	22.35	22.32	22.32	2.00	22.50
		12	7	22.41	22.41	22.38	2.00	22.50	22.41	22.41	22.38	2.00	22.50
		12	13	22.41	22.40	22.42	2.00	22.50	22.41	22.40	22.42	2.00	22.50
		25	0	22.30	22.30	22.25	2.00	22.50	22.30	22.30	22.25	2.00	22.50
	64QAM	1	0	22.31	22.34	22.26	2.00	22.50	22.31	22.34	22.26	2.00	22.50
		1	12	22.41	22.42	22.34	2.00	22.50	22.41	22.42	22.34	2.00	22.50
		1	24	22.40	22.37	22.26	2.00	22.50	22.40	22.37	22.26	2.00	22.50
		12	0	21.30	21.27	21.27	3.00	21.50	21.30	21.27	21.27	3.00	21.50
		12	7	21.36	21.36	21.33	3.00	21.50	21.36	21.36	21.33	3.00	21.50
		12	13	21.36	21.35	21.37	3.00	21.50	21.36	21.35	21.37	3.00	21.50
		25	0	21.25	21.25	21.20	3.00	21.50	21.25	21.25	21.20	3.00	21.50
	256QAM	1	0	19.25	19.46	19.43	5.00	19.50	19.25	19.46	19.43	5.00	19.50
		1	12	19.44	19.47	19.42	5.00	19.50	19.44	19.47	19.42	5.00	19.50
		1	24	19.49	19.20	19.41	5.00	19.50	19.49	19.20	19.41	5.00	19.50
		12	0	19.26	19.37	19.41	5.00	19.50	19.26	19.37	19.41	5.00	19.50
		12	7	19.29	19.49	19.47	5.00	19.50	19.29	19.49	19.47	5.00	19.50
		12	13	19.44	19.29	19.36	5.00	19.50	19.44	19.29	19.36	5.00	19.50
		25	0	19.31	19.26	19.31	5.00	19.50	19.31	19.26	19.31	5.00	19.50

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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	24.18	24.18	24.18	0.00	24.50	24.18	24.18	24.18	0.00	24.50
		1	8	24.24	24.22	24.26	0.00	24.50	24.24	24.22	24.26	0.00	24.50
		1	14	24.25	24.26	24.26	0.00	24.50	24.25	24.26	24.26	0.00	24.50
		8	0	23.21	23.22	23.19	1.00	23.50	23.21	23.22	23.19	1.00	23.50
		8	4	23.34	23.29	23.28	1.00	23.50	23.34	23.29	23.28	1.00	23.50
		8	7	23.34	23.30	23.27	1.00	23.50	23.34	23.30	23.27	1.00	23.50
		15	0	23.31	23.28	23.19	1.00	23.50	23.31	23.28	23.19	1.00	23.50
	16QAM	1	0	23.27	23.17	23.12	1.00	23.50	23.27	23.17	23.12	1.00	23.50
		1	8	23.29	23.21	23.17	1.00	23.50	23.29	23.21	23.17	1.00	23.50
		1	14	23.29	23.22	23.25	1.00	23.50	23.29	23.22	23.25	1.00	23.50
		8	0	22.32	22.35	22.29	2.00	22.50	22.32	22.35	22.29	2.00	22.50
		8	4	22.37	22.43	22.37	2.00	22.50	22.37	22.43	22.37	2.00	22.50
		8	7	22.37	22.44	22.35	2.00	22.50	22.37	22.44	22.35	2.00	22.50
		15	0	22.24	22.34	22.28	2.00	22.50	22.24	22.34	22.28	2.00	22.50
	64QAM	1	0	22.22	22.12	22.07	2.00	22.50	22.22	22.12	22.07	2.00	22.50
		1	8	22.24	22.16	22.12	2.00	22.50	22.24	22.16	22.12	2.00	22.50
		1	14	22.24	22.17	22.20	2.00	22.50	22.24	22.17	22.20	2.00	22.50
		8	0	21.27	21.30	21.24	3.00	21.50	21.27	21.30	21.24	3.00	21.50
		8	4	21.32	21.38	21.32	3.00	21.50	21.32	21.38	21.32	3.00	21.50
		8	7	21.32	21.39	21.30	3.00	21.50	21.32	21.39	21.30	3.00	21.50
		15	0	21.19	21.29	21.23	3.00	21.50	21.19	21.29	21.23	3.00	21.50
	256QAM	1	0	19.38	19.36	19.41	5.00	19.50	19.38	19.36	19.41	5.00	19.50
		1	8	19.46	19.25	19.31	5.00	19.50	19.46	19.25	19.31	5.00	19.50
		1	14	19.29	19.43	19.49	5.00	19.50	19.29	19.43	19.49	5.00	19.50
		8	0	19.36	19.35	19.35	5.00	19.50	19.36	19.35	19.35	5.00	19.50
		8	4	19.42	19.43	19.36	5.00	19.50	19.42	19.43	19.36	5.00	19.50
		8	7	19.39	19.24	19.32	5.00	19.50	19.39	19.24	19.32	5.00	19.50
		15	0	19.39	19.45	19.26	5.00	19.50	19.39	19.45	19.26	5.00	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20407	20525	20643	MPR	Tune-up Limit	20407	20525	20643	MPR	Tune-up Limit
				824.7 MHz	836.5 MHz	848.3 MHz			824.7 MHz	836.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	24.22	24.12	24.10	0.00	24.50	24.22	24.12	24.10	0.00	24.50
		1	3	24.29	24.23	24.19	0.00	24.50	24.29	24.23	24.19	0.00	24.50
		1	5	24.27	24.22	24.13	0.00	24.50	24.27	24.22	24.13	0.00	24.50
		3	0	24.19	24.20	24.08	0.00	24.50	24.19	24.20	24.08	0.00	24.50
		3	1	24.21	24.25	24.15	0.00	24.50	24.21	24.25	24.15	0.00	24.50
		3	3	24.25	24.22	24.18	0.00	24.50	24.25	24.22	24.18	0.00	24.50
		6	0	23.26	23.23	23.18	1.00	23.50	23.26	23.23	23.18	1.00	23.50
	16QAM	1	0	23.27	23.22	23.18	1.00	23.50	23.27	23.22	23.18	1.00	23.50
		1	3	23.43	23.29	23.19	1.00	23.50	23.43	23.29	23.19	1.00	23.50
		1	5	23.32	23.28	23.19	1.00	23.50	23.32	23.28	23.19	1.00	23.50
		3	0	23.23	23.38	23.32	1.00	23.50	23.23	23.38	23.32	1.00	23.50
		3	1	23.28	23.40	23.36	1.00	23.50	23.28	23.40	23.36	1.00	23.50
		3	3	23.32	23.41	23.40	1.00	23.50	23.32	23.41	23.40	1.00	23.50
		6	0	22.40	22.13	22.32	2.00	22.50	22.40	22.13	22.32	2.00	22.50
	64QAM	1	0	22.22	22.17	22.13	2.00	22.50	22.22	22.17	22.13	2.00	22.50
		1	3	22.38	22.24	22.14	2.00	22.50	22.38	22.24	22.14	2.00	22.50
		1	5	22.27	22.23	22.14	2.00	22.50	22.27	22.23	22.14	2.00	22.50
		3	0	22.18	22.33	22.27	2.00	22.50	22.18	22.33	22.27	2.00	22.50
		3	1	22.23	22.35	22.31	2.00	22.50	22.23	22.35	22.31	2.00	22.50
		3	3	22.27	22.36	22.35	2.00	22.50	22.27	22.36	22.35	2.00	22.50
		6	0	21.35	21.08	21.27	3.00	21.50	21.35	21.08	21.27	3.00	21.50
	256QAM	1	0	19.49	19.25	19.42	5.00	19.50	19.49	19.25	19.42	5.00	19.50
		1	3	19.40	19.31	19.32	5.00	19.50	19.40	19.31	19.32	5.00	19.50
		1	5	19.36	19.41	19.33	5.00	19.50	19.36	19.41	19.33	5.00	19.50
		3	0	19.39	19.50	19.42	5.00	19.50	19.39	19.50	19.42	5.00	19.50
		3	1	19.49	19.28	19.20	5.00	19.50	19.49	19.28	19.20	5.00	19.50
		3	3	19.29	19.29	19.22	5.00	19.50	19.29	19.29	19.22	5.00	19.50
		6	0	19.41	19.21	19.32	5.00	19.50	19.41	19.21	19.32	5.00	19.50

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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	24.95	25.38	25.35	0.00	25.70	18.95	19.38	19.35	0.00	19.50
		1	49	25.00	25.50	25.40	0.00	25.70	19.50	19.50	19.50	0.00	19.50
		1	99	24.84	25.33	25.32	0.00	25.70	18.84	19.33	19.32	0.00	19.50
		50	0	24.01	24.47	24.39	1.00	24.70	19.01	19.47	19.39	0.00	19.50
		50	24	24.10	24.50	24.44	1.00	24.70	19.50	19.50	19.50	0.00	19.50
		50	50	23.84	24.40	24.41	1.00	24.70	18.84	19.40	19.41	0.00	19.50
		100	0	23.82	24.38	24.38	1.00	24.70	18.82	19.50	19.38	0.00	19.50
	16QAM	1	0	24.39	24.64	24.68	1.00	24.70	19.39	19.44	19.48	0.00	19.50
		1	49	24.33	24.64	24.65	1.00	24.70	19.33	19.44	19.45	0.00	19.50
		1	99	24.30	24.61	24.64	1.00	24.70	19.30	19.41	19.44	0.00	19.50
		50	0	22.97	23.42	23.34	2.00	23.70	18.97	19.42	19.34	0.00	19.50
		50	24	22.98	23.41	23.41	2.00	23.70	18.98	19.41	19.41	0.00	19.50
		50	50	22.83	23.38	23.37	2.00	23.70	18.83	19.38	19.37	0.00	19.50
		100	0	22.82	23.36	23.36	2.00	23.70	18.82	19.36	19.36	0.00	19.50
	64QAM	1	0	23.21	23.61	23.56	2.00	23.70	19.21	19.41	19.36	0.00	19.50
		1	49	23.15	23.55	23.60	2.00	23.70	19.15	19.35	19.40	0.00	19.50
		1	99	23.03	23.57	23.58	2.00	23.70	19.03	19.37	19.38	0.00	19.50
		50	0	22.02	22.47	22.41	3.00	22.70	19.02	19.47	19.41	0.00	19.50
		50	24	21.99	22.47	22.46	3.00	22.70	18.99	19.47	19.46	0.00	19.50
		50	50	21.89	22.42	22.43	3.00	22.70	18.89	19.42	19.43	0.00	19.50
		100	0	21.75	22.41	22.40	3.00	22.70	18.75	19.41	19.40	0.00	19.50
	256QAM	1	0	20.19	20.00	20.09	5.00	20.70	19.40	19.31	19.40	0.00	19.50
		1	49	20.19	20.15	20.19	5.00	20.70	19.47	19.45	19.26	0.00	19.50
		1	99	20.01	20.16	20.08	5.00	20.70	19.38	19.21	19.26	0.00	19.50
		50	0	19.91	20.00	20.03	5.00	20.70	19.50	19.47	19.44	0.00	19.50
		50	24	20.11	20.11	19.95	5.00	20.70	19.23	19.50	19.26	0.00	19.50
		50	50	19.94	20.08	20.04	5.00	20.70	19.20	19.38	19.36	0.00	19.50
		100	0	19.98	19.99	20.16	5.00	20.70	19.24	19.47	19.39	0.00	19.50
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A {dBm}					Power Mode B (dBm)				
				20825.00	21100.00	21375.00	MPR	Tune-up Limit	20825.00	21100.00	21375.00	MPR	Tune-up Limit
				2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	25.03	25.41	25.40	0.00	25.70	19.03	19.41	19.40	0.00	19.50
		1	37	24.96	25.37	25.36	0.00	25.70	18.96	19.37	19.36	0.00	19.50
		1	74	24.93	25.38	25.36	0.00	25.70	18.93	19.38	19.36	0.00	19.50
		36	0	24.03	24.43	24.38	1.00	24.70	19.03	19.43	19.38	0.00	19.50
		36	20	24.03	24.43	24.48	1.00	24.70	19.03	19.43	19.48	0.00	19.50
		36	39	23.98	24.42	24.42	1.00	24.70	18.98	19.42	19.42	0.00	19.50
		75	0	23.90	24.37	24.39	1.00	24.70	18.90	19.37	19.39	0.00	19.50
	16QAM	1	0	24.42	24.68	24.66	1.00	24.70	19.42	19.48	19.46	0.00	19.50
		1	37	24.39	24.66	24.69	1.00	24.70	19.39	19.46	19.49	0.00	19.50
		1	74	24.36	24.64	24.67	1.00	24.70	19.36	19.44	19.47	0.00	19.50
		36	0	22.98	23.42	23.34	2.00	23.70	18.98	19.42	19.34	0.00	19.50
		36	20	22.97	23.41	23.44	2.00	23.70	18.97	19.41	19.44	0.00	19.50
		36	39	22.94	23.40	23.39	2.00	23.70	18.94	19.40	19.39	0.00	19.50
		75	0	22.93	23.36	23.38	2.00	23.70	18.93	19.36	19.38	0.00	19.50
	64QAM	1	0	23.56	23.64	23.60	2.00	23.70	19.49	19.44	19.40	0.00	19.50
		1	37	23.51	23.62	23.64	2.00	23.70	19.48	19.42	19.44	0.00	19.50
		1	74	23.55	23.61	23.64	2.00	23.70	19.48	19.41	19.44	0.00	19.50
		36	0	22.07	22.45	22.37	3.00	22.70	19.07	19.45	19.37	0.00	19.50
		36	20	22.04	22.45	22.46	3.00	22.70	19.04	19.45	19.46	0.00	19.50
		36	39	22.03	22.41	22.44	3.00	22.70	19.03	19.41	19.44	0.00	19.50
		75	0	22.02	22.40	22.38	3.00	22.70	19.02	19.40	19.38	0.00	19.50
	256QAM	1	0	19.95	19.95	20.04	5.00	20.70	19.40	19.22	19.29	0.00	19.50
		1	37	19.93	19.99	20.11	5.00	20.70	19.42	19.30	19.33	0.00	19.50
		1	74	20.06	19.95	20.16	5.00	20.70	19.28	19.22	19.27	0.00	19.50
		36	0	20.00	20.16	20.14	5.00	20.70	19.22	19.34	19.30	0.00	19.50
		36	20	20.07	20.13	20.02	5.00	20.70	19.34	19.41	19.28	0.00	19.50
		36	39	19.92	19.95	19.98	5.00	20.70	19.38	19.35	19.25	0.00	19.50
		75	0	20.13	20.11	20.05	5.00	20.70	19.29	19.32	19.31	0.00	19.50

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LTE Band 7 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20800.00	21100.00	21400.00			20800.00	21100.00	21400.00		
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	24.90	25.35	25.32	0.00	25.70	18.90	19.35	19.32	0.00	19.50
		1	25	24.89	25.35	25.33	0.00	25.70	18.89	19.35	19.33	0.00	19.50
		1	49	24.85	25.34	25.34	0.00	25.70	18.85	19.34	19.34	0.00	19.50
		25	0	24.06	24.43	24.38	1.00	24.70	19.06	19.43	19.38	0.00	19.50
		25	12	24.05	24.47	24.39	1.00	24.70	19.05	19.47	19.39	0.00	19.50
		25	25	24.01	24.44	24.44	1.00	24.70	19.01	19.44	19.44	0.00	19.50
		50	0	23.96	24.40	24.31	1.00	24.70	18.96	19.40	19.31	0.00	19.50
	16QAM	1	0	24.05	24.50	24.48	1.00	24.70	19.05	19.30	19.28	0.00	19.50
		1	25	23.97	24.42	24.40	1.00	24.70	18.97	19.22	19.20	0.00	19.50
		1	49	24.00	24.45	24.45	1.00	24.70	19.00	19.25	19.25	0.00	19.50
		25	0	23.14	23.54	23.46	2.00	23.70	19.14	19.49	19.46	0.00	19.50
		25	12	23.14	23.55	23.48	2.00	23.70	19.14	19.47	19.48	0.00	19.50
		25	25	23.10	23.52	23.54	2.00	23.70	19.10	19.48	19.50	0.00	19.50
		50	0	22.99	23.40	23.32	2.00	23.70	18.99	19.40	19.32	0.00	19.50
	64QAM	1	0	23.25	23.67	23.59	2.00	23.70	19.25	19.47	19.39	0.00	19.50
		1	25	23.18	23.61	23.64	2.00	23.70	19.18	19.41	19.44	0.00	19.50
		1	49	23.18	23.62	23.65	2.00	23.70	19.18	19.42	19.45	0.00	19.50
		25	0	22.08	22.52	22.44	3.00	22.70	19.08	19.45	19.44	0.00	19.50
		25	12	22.09	22.54	22.47	3.00	22.70	19.09	19.47	19.47	0.00	19.50
		25	25	22.09	22.50	22.52	3.00	22.70	19.09	19.48	19.49	0.00	19.50
		50	0	21.95	22.45	22.47	3.00	22.70	18.95	19.45	19.47	0.00	19.50
	256QAM	1	0	20.04	20.00	20.08	5.00	20.70	19.29	19.50	19.35	0.00	19.50
		1	25	20.16	20.16	20.08	5.00	20.70	19.44	19.32	19.42	0.00	19.50
		1	49	19.97	20.03	20.16	5.00	20.70	19.37	19.35	19.48	0.00	19.50
		25	0	19.90	20.00	20.08	5.00	20.70	19.39	19.50	19.44	0.00	19.50
		25	12	20.07	20.10	19.95	5.00	20.70	19.33	19.39	19.26	0.00	19.50
		25	25	20.09	20.02	20.03	5.00	20.70	19.35	19.47	19.49	0.00	19.50
		50	0	20.15	20.11	19.95	5.00	20.70	19.34	19.31	19.49	0.00	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20775.00	21100.00	21425.00			20775.00	21100.00	21425.00		
				2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	25.09	25.49	25.48	0.00	25.70	19.09	19.49	19.48	0.00	19.50
		1	12	25.06	25.43	25.43	0.00	25.70	19.06	19.43	19.43	0.00	19.50
		1	24	25.09	25.46	25.48	0.00	25.70	19.09	19.46	19.48	0.00	19.50
		12	0	24.02	24.44	24.44	1.00	24.70	19.02	19.44	19.44	0.00	19.50
		12	7	24.06	24.50	24.52	1.00	24.70	19.06	19.50	19.48	0.00	19.50
		12	13	24.04	24.47	24.44	1.00	24.70	19.04	19.47	19.44	0.00	19.50
		25	0	24.05	24.46	24.46	1.00	24.70	19.05	19.46	19.46	0.00	19.50
	16QAM	1	0	24.25	24.63	24.62	1.00	24.70	19.25	19.43	19.42	0.00	19.50
		1	12	24.16	24.58	24.57	1.00	24.70	19.16	19.38	19.37	0.00	19.50
		1	24	24.22	24.65	24.64	1.00	24.70	19.22	19.45	19.44	0.00	19.50
		12	0	23.12	23.52	23.52	2.00	23.70	19.12	19.50	19.49	0.00	19.50
		12	7	23.16	23.55	23.54	2.00	23.70	19.16	19.49	19.49	0.00	19.50
		12	13	23.10	23.48	23.48	2.00	23.70	19.10	19.48	19.48	0.00	19.50
		25	0	23.04	23.38	23.38	2.00	23.70	19.04	19.38	19.38	0.00	19.50
	64QAM	1	0	23.34	23.56	23.55	2.00	23.70	19.34	19.36	19.35	0.00	19.50
		1	12	23.31	23.55	23.57	2.00	23.70	19.31	19.35	19.37	0.00	19.50
		1	24	23.33	23.57	23.56	2.00	23.70	19.33	19.37	19.36	0.00	19.50
		12	0	22.12	22.51	22.49	3.00	22.70	19.12	19.47	19.49	0.00	19.50
		12	7	22.11	22.52	22.58	3.00	22.70	19.11	19.48	19.48	0.00	19.50
		12	13	22.09	22.51	22.51	3.00	22.70	19.09	19.44	19.44	0.00	19.50
		25	0	22.05	22.50	22.47	3.00	22.70	19.05	19.50	19.47	0.00	19.50
	256QAM	1	0	20.04	19.95	19.93	5.00	20.70	19.36	19.28	19.27	0.00	19.50
		1	12	19.93	20.00	19.95	5.00	20.70	19.46	19.30	19.21	0.00	19.50
		1	24	20.08	19.95	20.06	5.00	20.70	19.34	19.50	19.27	0.00	19.50
		12	0	20.17	20.09	19.97	5.00	20.70	19.41	19.28	19.34	0.00	19.50
		12	7	20.14	20.03	20.04	5.00	20.70	19.36	19.45	19.31	0.00	19.50
		12	13	19.97	20.02	20.08	5.00	20.70	19.45	19.22	19.41	0.00	19.50
		25	0	19.92	20.05	20.17	5.00	20.70	19.47	19.41	19.30	0.00	19.50

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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	16.35	16.40	16.45	0.00	16.50	16.92	17.47	17.44	0.00	17.50
		1	49	16.40	16.50	16.45	0.00	16.50	17.50	17.50	17.50	0.00	17.50
		1	99	16.19	16.40	16.43	0.00	16.50	16.73	17.41	17.38	0.00	17.50
		50	0	16.40	16.23	16.16	0.00	16.50	16.96	17.09	17.05	0.00	17.50
		50	24	16.40	16.40	16.30	0.00	16.50	17.50	17.50	17.50	0.00	17.50
		50	50	16.23	16.20	16.20	0.00	16.50	16.77	17.07	17.08	0.00	17.50
		100	0	16.20	16.30	16.07	0.00	16.50	16.76	17.50	16.94	0.00	17.50
	16QAM	1	0	16.21	16.18	16.13	0.00	16.50	17.07	17.36	17.26	0.00	17.50
		1	49	16.14	16.06	16.03	0.00	16.50	16.99	17.26	17.18	0.00	17.50
		1	99	16.06	16.11	16.04	0.00	16.50	16.92	17.26	17.24	0.00	17.50
		50	0	16.14	16.07	15.97	0.00	16.50	16.81	16.74	16.64	0.00	17.50
		50	24	16.06	16.06	15.96	0.00	16.50	16.72	16.74	16.63	0.00	17.50
		50	50	16.00	16.01	16.02	0.00	16.50	16.67	16.68	16.70	0.00	17.50
		100	0	15.99	16.00	15.87	0.00	16.50	16.66	16.66	16.55	0.00	17.50
	64QAM	1	0	16.35	16.30	16.40	0.00	16.50	16.93	17.07	17.07	0.00	17.50
		1	49	16.25	16.44	16.40	0.00	16.50	16.83	17.05	17.07	0.00	17.50
		1	99	16.19	16.43	16.43	0.00	16.50	16.77	17.04	17.05	0.00	17.50
		50	0	16.41	16.23	16.16	0.00	16.50	16.99	16.84	16.78	0.00	17.50
		50	24	16.28	16.22	16.16	0.00	16.50	16.86	16.83	16.78	0.00	17.50
		50	50	16.23	16.20	16.20	0.00	16.50	16.83	16.81	16.82	0.00	17.50
		100	0	16.20	16.17	16.07	0.00	16.50	16.80	16.78	16.69	0.00	17.50
	256QAM	1	0	16.48	16.45	16.32	0.00	16.50	17.31	17.42	17.43	0.00	17.50
		1	49	16.37	16.28	16.31	0.00	16.50	17.47	17.42	17.46	0.00	17.50
		1	99	16.23	16.28	16.32	0.00	16.50	17.27	17.25	17.50	0.00	17.50
		50	0	16.34	16.45	16.28	0.00	16.50	17.28	17.37	17.49	0.00	17.50
		50	24	16.45	16.30	16.24	0.00	16.50	17.44	17.23	17.46	0.00	17.50
		50	50	16.40	16.29	16.42	0.00	16.50	17.49	17.23	17.23	0.00	17.50
		100	0	16.23	16.46	16.50	0.00	16.50	17.38	17.37	17.40	0.00	17.50
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20825	21100	21375	MPR	Tune-up Limit	20825	21100	21375	MPR	Tune-up Limit
				2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	15.69	16.47	16.50	0.00	16.50	16.94	17.44	17.42	0.00	17.50
		1	37	15.59	16.41	16.45	0.00	16.50	16.84	17.39	17.38	0.00	17.50
		1	74	15.56	16.39	16.47	0.00	16.50	16.82	17.39	17.43	0.00	17.50
		36	0	16.39	16.24	16.17	0.00	16.50	16.95	17.10	17.03	0.00	17.50
		36	20	16.39	16.22	16.18	0.00	16.50	16.95	17.11	17.04	0.00	17.50
		36	39	16.25	16.21	16.20	0.00	16.50	16.82	17.10	17.11	0.00	17.50
		75	0	16.31	16.20	16.09	0.00	16.50	16.87	17.07	16.98	0.00	17.50
	16QAM	1	0	16.17	15.50	15.97	0.00	16.50	17.06	16.69	17.16	0.00	17.50
		1	37	16.15	15.54	15.96	0.00	16.50	17.01	16.72	17.16	0.00	17.50
		1	74	16.12	15.52	15.95	0.00	16.50	16.98	16.70	17.13	0.00	17.50
		36	0	16.17	16.02	16.01	0.00	16.50	16.84	16.70	16.69	0.00	17.50
		36	20	16.14	16.03	16.00	0.00	16.50	16.82	16.70	16.69	0.00	17.50
		36	39	16.02	16.00	16.03	0.00	16.50	16.70	16.68	16.72	0.00	17.50
		75	0	16.10	15.97	15.90	0.00	16.50	16.78	16.66	16.59	0.00	17.50
	64QAM	1	0	15.69	16.47	16.50	0.00	16.50	16.87	17.08	17.04	0.00	17.50
		1	37	15.59	16.41	16.41	0.00	16.50	16.77	17.02	17.07	0.00	17.50
		1	74	15.56	16.39	16.47	0.00	16.50	16.74	17.00	17.09	0.00	17.50
		36	0	16.39	16.24	16.17	0.00	16.50	16.97	16.85	16.79	0.00	17.50
		36	20	16.39	16.22	16.18	0.00	16.50	16.97	16.83	16.80	0.00	17.50
		36	39	16.25	16.21	16.20	0.00	16.50	16.85	16.82	16.82	0.00	17.50
		75	0	16.31	16.20	16.09	0.00	16.50	16.91	16.81	16.71	0.00	17.50
	256QAM	1	0	16.44	16.31	16.41	0.00	16.50	17.31	17.42	17.43	0.00	17.50
		1	37	16.33	16.27	16.29	0.00	16.50	17.47	17.42	17.46	0.00	17.50
		1	74	16.21	16.33	16.28	0.00	16.50	17.27	17.25	17.50	0.00	17.50
		36	0	16.35	16.27	16.21	0.00	16.50	17.28	17.37	17.49	0.00	17.50
		36	20	16.25	16.43	16.34	0.00	16.50	17.44	17.23	17.46	0.00	17.50
		36	39	16.43	16.28	16.37	0.00	16.50	17.49	17.23	17.23	0.00	17.50
		75	0	16.40	16.33	16.22	0.00	16.50	17.38	17.37	17.40	0.00	17.50

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LTE Band 7 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20800	21100	21400			20800	21100	21400		
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	15.61	16.45	16.48	0.00	16.50	16.89	17.21	17.21	0.00	17.50
		1	25	15.56	16.49	16.46	0.00	16.50	16.84	17.16	17.18	0.00	17.50
		1	49	15.53	16.44	16.46	0.00	16.50	16.81	17.21	17.16	0.00	17.50
		25	0	16.39	16.29	16.22	0.00	16.50	16.97	17.17	17.14	0.00	17.50
		25	12	16.43	16.30	16.25	0.00	16.50	16.99	17.15	17.12	0.00	17.50
		25	25	16.40	16.23	16.20	0.00	16.50	16.95	17.12	17.08	0.00	17.50
		50	0	16.34	16.19	16.17	0.00	16.50	16.90	17.09	17.06	0.00	17.50
	16QAM	1	0	15.88	15.63	16.04	0.00	16.50	16.75	16.83	17.24	0.00	17.50
		1	25	15.77	15.56	15.98	0.00	16.50	16.64	16.73	17.19	0.00	17.50
		1	49	15.80	15.59	15.99	0.00	16.50	16.66	16.80	17.17	0.00	17.50
		25	0	16.30	16.11	16.08	0.00	16.50	16.98	16.76	16.74	0.00	17.50
		25	12	16.32	16.10	16.06	0.00	16.50	16.98	16.76	16.74	0.00	17.50
		25	25	16.27	16.06	16.05	0.00	16.50	16.94	16.73	16.72	0.00	17.50
		50	0	16.16	15.96	16.02	0.00	16.50	16.82	16.65	16.69	0.00	17.50
	64QAM	1	0	15.61	16.45	16.48	0.00	16.50	16.79	17.06	17.10	0.00	17.50
		1	25	15.56	16.49	16.46	0.00	16.50	16.74	17.10	17.08	0.00	17.50
		1	49	15.53	16.44	16.46	0.00	16.50	16.71	17.05	17.08	0.00	17.50
		25	0	16.39	16.29	16.22	0.00	16.50	16.97	16.90	16.84	0.00	17.50
		25	12	16.43	16.30	16.25	0.00	16.50	17.01	16.91	16.87	0.00	17.50
		25	25	16.40	16.23	16.20	0.00	16.50	17.00	16.84	16.82	0.00	17.50
		50	0	16.34	16.19	16.17	0.00	16.50	16.94	16.80	16.79	0.00	17.50
	256QAM	1	0	16.43	16.31	16.23	0.00	16.50	17.31	17.42	17.43	0.00	17.50
		1	25	16.36	16.40	16.40	0.00	16.50	17.47	17.42	17.46	0.00	17.50
		1	49	16.41	16.25	16.36	0.00	16.50	17.27	17.25	17.50	0.00	17.50
		25	0	16.39	16.38	16.46	0.00	16.50	17.28	17.37	17.49	0.00	17.50
		25	12	16.28	16.47	16.36	0.00	16.50	17.44	17.23	17.46	0.00	17.50
		25	25	16.42	16.34	16.22	0.00	16.50	17.49	17.23	17.23	0.00	17.50
		50	0	16.41	16.32	16.37	0.00	16.50	17.38	17.37	17.40	0.00	17.50
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20775	21100	21425			20775	21100	21425		
				2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	15.73	16.41	16.42	0.00	16.50	17.00	17.30	17.40	0.00	17.50
		1	12	15.68	16.38	16.49	0.00	16.50	16.93	17.22	17.46	0.00	17.50
		1	24	15.65	16.42	16.48	0.00	16.50	16.91	17.27	17.43	0.00	17.50
		12	0	16.43	16.02	16.14	0.00	16.50	17.00	17.11	17.04	0.00	17.50
		12	7	16.48	16.26	16.25	0.00	16.50	17.05	17.14	17.10	0.00	17.50
		12	13	16.45	16.23	16.24	0.00	16.50	17.01	17.12	17.09	0.00	17.50
		25	0	16.36	16.25	16.13	0.00	16.50	16.95	17.10	17.05	0.00	17.50
	16QAM	1	0	16.00	15.88	16.14	0.00	16.50	16.87	17.06	17.31	0.00	17.50
		1	12	16.01	15.76	16.14	0.00	16.50	16.86	16.98	17.33	0.00	17.50
		1	24	15.98	15.88	16.12	0.00	16.50	16.85	17.04	17.35	0.00	17.50
		12	0	16.27	16.11	16.06	0.00	16.50	16.97	16.81	16.75	0.00	17.50
		12	7	16.31	16.14	16.16	0.00	16.50	17.00	16.81	16.85	0.00	17.50
		12	13	16.27	16.12	16.13	0.00	16.50	16.99	16.80	16.85	0.00	17.50
		25	0	16.10	16.04	16.00	0.00	16.50	16.79	16.75	16.69	0.00	17.50
	64QAM	1	0	16.00	15.88	16.14	0.00	16.50	16.58	17.09	16.76	0.00	17.50
		1	12	16.01	15.76	16.14	0.00	16.50	16.59	16.97	16.76	0.00	17.50
		1	24	15.98	15.88	16.12	0.00	16.50	16.56	17.09	16.74	0.00	17.50
		12	0	16.27	16.11	16.06	0.00	16.50	16.85	16.72	16.68	0.00	17.50
		12	7	16.31	16.14	16.16	0.00	16.50	16.89	16.75	16.78	0.00	17.50
		12	13	16.27	16.12	16.13	0.00	16.50	16.87	16.73	16.75	0.00	17.50
		25	0	16.10	16.04	16.00	0.00	16.50	16.70	16.65	16.62	0.00	17.50
	256QAM	1	0	16.38	16.43	16.22	0.00	16.50	17.31	17.42	17.43	0.00	17.50
		1	12	16.41	16.43	16.21	0.00	16.50	17.47	17.42	17.46	0.00	17.50
		1	24	16.36	16.26	16.49	0.00	16.50	17.27	17.25	17.50	0.00	17.50
		12	0	16.37	16.45	16.40	0.00	16.50	17.28	17.37	17.49	0.00	17.50
		12	7	16.22	16.43	16.29	0.00	16.50	17.44	17.23	17.46	0.00	17.50
		12	13	16.38	16.39	16.26	0.00	16.50	17.49	17.23	17.23	0.00	17.50
		25	0	16.34	16.42	16.46	0.00	16.50	17.38	17.37	17.40	0.00	17.50

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LTE Band 7 Measured Results (ANT3)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20850	21100	21350	MPR	Tune-up Limit	20850	21100	21350	MPR	Tune-up Limit
				2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	22.51	22.79	22.54	0.00	23.00	17.39	17.55	17.55	0.00	18.00
		1	49	23.00	23.00	23.00	0.00	23.00	17.90	17.90	18.00	0.00	18.00
		1	99	22.74	22.53	22.38	0.00	23.00	17.72	17.28	17.34	0.00	18.00
		50	0	22.79	22.37	22.17	0.00	23.00	17.72	17.59	17.58	0.00	18.00
		50	24	23.00	23.00	23.00	0.00	23.00	17.90	17.90	18.00	0.00	18.00
		50	50	22.78	22.15	22.11	0.00	23.00	17.76	17.34	17.49	0.00	18.00
		100	0	22.70	23.00	22.08	0.00	23.00	17.63	17.90	17.48	0.00	18.00
	16QAM	1	0	22.62	22.81	22.59	0.00	23.00	17.54	17.69	17.80	0.00	18.00
		1	49	22.84	22.61	22.46	0.00	23.00	17.85	17.52	17.70	0.00	18.00
		1	99	22.83	22.55	22.41	0.00	23.00	17.83	17.44	17.81	0.00	18.00
		50	0	22.34	22.54	22.35	0.30	22.70	17.37	17.27	17.57	0.00	18.00
		50	24	22.36	22.49	22.34	0.30	22.70	17.43	17.17	17.57	0.00	18.00
		50	50	22.37	22.36	22.30	0.30	22.70	17.43	17.04	17.48	0.00	18.00
		100	0	22.31	22.40	22.27	0.30	22.70	17.36	17.15	17.50	0.00	18.00
	64QAM	1	0	22.40	22.52	22.29	0.30	22.70	17.40	17.55	17.79	0.00	18.00
		1	49	22.65	22.31	22.22	0.30	22.70	17.73	17.34	17.72	0.00	18.00
		1	99	22.60	22.28	22.07	0.30	22.70	17.69	17.25	17.56	0.00	18.00
		50	0	21.50	21.31	21.11	1.30	21.70	17.50	17.35	17.63	0.00	18.00
		50	24	21.52	21.24	21.09	1.30	21.70	17.53	17.27	17.61	0.00	18.00
		50	50	21.52	21.10	21.03	1.30	21.70	17.55	17.14	17.55	0.00	18.00
		100	0	21.41	21.14	21.00	1.30	21.70	17.46	17.19	17.50	0.00	18.00
	256QAM	1	0	18.90	19.14	19.04	3.30	19.70	17.31	17.30	17.12	0.00	18.00
		1	49	19.13	18.91	19.03	3.30	19.70	17.12	17.19	17.35	0.00	18.00
		1	99	19.02	18.94	19.18	3.30	19.70	17.31	17.29	17.23	0.00	18.00
		50	0	19.12	19.14	19.07	3.30	19.70	17.38	17.19	17.38	0.00	18.00
		50	24	18.93	19.09	19.03	3.30	19.70	17.38	17.16	17.31	0.00	18.00
		50	50	18.94	18.93	19.01	3.30	19.70	17.32	17.24	17.20	0.00	18.00
		100	0	19.19	19.02	19.09	3.30	19.70	17.21	17.37	17.23	0.00	18.00
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20825	21100	21375	MPR	Tune-up Limit	20825	21100	21375	MPR	Tune-up Limit
				2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	22.58	22.73	22.54	0.00	23.00	17.45	17.54	17.56	0.00	18.00
		1	37	22.77	22.59	22.48	0.00	23.00	17.73	17.40	17.49	0.00	18.00
		1	74	22.85	22.55	22.39	0.00	23.00	17.82	17.37	17.39	0.00	18.00
		36	0	22.75	22.36	22.15	0.00	23.00	17.67	17.56	17.56	0.00	18.00
		36	20	22.85	22.26	22.13	0.00	23.00	17.80	17.49	17.55	0.00	18.00
		36	39	22.84	22.25	22.10	0.00	23.00	17.79	17.45	17.50	0.00	18.00
		75	0	22.77	22.20	22.05	0.00	23.00	17.71	17.45	17.50	0.00	18.00
	16QAM	1	0	22.60	22.68	22.55	0.00	23.00	17.45	17.47	17.70	0.00	18.00
		1	37	22.71	22.62	22.45	0.00	23.00	17.74	17.42	17.82	0.00	18.00
		1	74	22.79	22.62	22.43	0.00	23.00	17.80	17.41	17.73	0.00	18.00
		36	0	22.33	22.51	22.33	0.30	22.70	17.20	17.10	17.39	0.00	18.00
		36	20	22.40	22.45	22.31	0.30	22.70	17.30	17.04	17.38	0.00	18.00
		36	39	22.41	22.43	22.29	0.30	22.70	17.32	17.17	17.34	0.00	18.00
		75	0	22.36	22.41	22.27	0.30	22.70	17.27	17.13	17.36	0.00	18.00
	64QAM	1	0	22.38	22.47	22.62	0.30	22.70	17.58	17.69	17.97	0.00	18.00
		1	37	22.62	22.33	22.59	0.30	22.70	17.91	17.50	17.93	0.00	18.00
		1	74	22.64	22.29	22.46	0.30	22.70	17.91	17.46	17.80	0.00	18.00
		36	0	21.42	21.27	21.07	1.30	21.70	17.40	17.27	17.56	0.00	18.00
		36	20	21.50	21.20	21.07	1.30	21.70	17.52	17.19	17.56	0.00	18.00
		36	39	21.51	21.16	21.03	1.30	21.70	17.51	17.16	17.51	0.00	18.00
		75	0	21.48	21.16	21.03	1.30	21.70	17.47	17.19	17.56	0.00	18.00
	256QAM	1	0	18.92	19.04	19.09	3.30	19.70	17.19	17.27	17.12	0.00	18.00
		1	37	18.94	19.13	19.01	3.30	19.70	17.24	17.34	17.19	0.00	18.00
		1	74	19.06	19.13	19.13	3.30	19.70	17.20	17.10	17.23	0.00	18.00
		36	0	18.99	19.09	18.95	3.30	19.70	17.29	17.20	17.38	0.00	18.00
		36	20	19.06	18.97	19.04	3.30	19.70	17.37	17.22	17.14	0.00	18.00
		36	39	18.95	18.94	19.07	3.30	19.70	17.35	17.21	17.26	0.00	18.00
		75	0	19.18	18.99	19.04	3.30	19.70	17.39	17.31	17.11	0.00	18.00

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LTE Band 7 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20800	21100	21400			20800	21100	21400		
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	22.38	22.67	22.40	0.00	23.00	17.26	17.48	17.48	0.00	18.00
		1	25	22.63	22.58	22.39	0.00	23.00	17.57	17.38	17.38	0.00	18.00
		1	49	22.72	22.51	22.31	0.00	23.00	17.67	17.36	17.32	0.00	18.00
		25	0	22.65	22.28	22.10	0.00	23.00	17.59	17.53	17.52	0.00	18.00
		25	12	22.78	22.31	22.10	0.00	23.00	17.74	17.52	17.55	0.00	18.00
		25	25	22.77	22.26	22.08	0.00	23.00	17.71	17.49	17.50	0.00	18.00
		50	0	22.70	22.23	22.03	0.00	23.00	17.63	17.45	17.46	0.00	18.00
	16QAM	1	0	22.22	22.39	22.14	0.00	23.00	17.18	17.30	17.59	0.00	18.00
		1	25	22.37	22.21	22.03	0.00	23.00	17.35	17.14	17.49	0.00	18.00
		1	49	22.47	22.23	22.03	0.00	23.00	17.50	17.17	17.43	0.00	18.00
		25	0	22.36	22.60	22.42	0.30	22.70	17.38	17.31	17.61	0.00	18.00
		25	12	22.48	22.60	22.42	0.30	22.70	17.52	17.29	17.62	0.00	18.00
		25	25	22.46	22.56	22.38	0.30	22.70	17.53	17.29	17.61	0.00	18.00
		50	0	22.33	22.43	22.27	0.30	22.70	17.37	17.13	17.48	0.00	18.00
	64QAM	1	0	22.41	22.48	22.22	0.30	22.70	17.44	17.51	17.81	0.00	18.00
		1	25	22.47	22.34	22.13	0.30	22.70	17.56	17.42	17.74	0.00	18.00
		1	49	22.54	22.27	22.07	0.30	22.70	17.60	17.26	17.65	0.00	18.00
		25	0	21.36	21.28	21.08	1.30	21.70	17.30	17.29	17.70	0.00	18.00
		25	12	21.51	21.27	21.09	1.30	21.70	17.49	17.30	17.69	0.00	18.00
		25	25	21.52	21.25	21.07	1.30	21.70	17.47	17.28	17.65	0.00	18.00
		50	0	21.36	21.13	20.93	1.30	21.70	17.37	17.13	17.54	0.00	18.00
	256QAM	1	0	19.20	18.96	18.96	3.30	19.70	17.31	17.15	17.37	0.00	18.00
		1	25	18.98	18.97	19.19	3.30	19.70	17.22	17.39	17.19	0.00	18.00
		1	49	19.10	19.05	19.17	3.30	19.70	17.19	17.32	17.14	0.00	18.00
		25	0	18.94	18.97	19.07	3.30	19.70	17.31	17.18	17.21	0.00	18.00
		25	12	19.07	18.93	18.99	3.30	19.70	17.23	17.17	17.32	0.00	18.00
		25	25	19.04	19.14	19.09	3.30	19.70	17.12	17.19	17.16	0.00	18.00
		50	0	18.99	19.05	19.14	3.30	19.70	17.23	17.11	17.16	0.00	18.00

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20775	21100	21425			20775	21100	21425		
				2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	22.56	22.76	22.53	0.00	23.00	17.43	17.52	17.57	0.00	18.00
		1	12	22.68	22.68	22.50	0.00	23.00	17.60	17.48	17.51	0.00	18.00
		1	24	22.76	22.71	22.46	0.00	23.00	17.66	17.51	17.47	0.00	18.00
		12	0	22.53	22.33	22.11	0.00	23.00	17.52	17.48	17.47	0.00	18.00
		12	7	22.66	22.35	22.16	0.00	23.00	17.65	17.51	17.53	0.00	18.00
		12	13	22.63	22.31	22.09	0.00	23.00	17.61	17.49	17.48	0.00	18.00
		25	0	22.62	22.31	22.09	0.00	23.00	17.57	17.50	17.46	0.00	18.00
	16QAM	1	0	22.35	22.51	22.28	0.00	23.00	17.31	17.42	17.70	0.00	18.00
		1	12	22.45	22.45	22.23	0.00	23.00	17.49	17.35	17.64	0.00	18.00
		1	24	22.53	22.48	22.19	0.00	23.00	17.57	17.37	17.60	0.00	18.00
		12	0	22.26	22.55	22.32	0.30	22.70	17.33	17.26	17.54	0.00	18.00
		12	7	22.35	22.58	22.34	0.30	22.70	17.44	17.28	17.56	0.00	18.00
		12	13	22.30	22.58	22.35	0.30	22.70	17.40	17.26	17.55	0.00	18.00
		25	0	22.20	22.44	22.22	0.30	22.70	17.23	17.14	17.51	0.00	18.00
	64QAM	1	0	22.23	22.55	22.32	0.30	22.70	17.47	17.54	17.84	0.00	18.00
		1	12	22.60	22.52	22.29	0.30	22.70	17.65	17.53	17.85	0.00	18.00
		1	24	22.63	22.53	22.23	0.30	22.70	17.71	17.52	17.74	0.00	18.00
		12	0	21.33	21.26	21.04	1.30	21.70	17.31	17.28	17.56	0.00	18.00
		12	7	21.45	21.27	21.05	1.30	21.70	17.45	17.32	17.62	0.00	18.00
		12	13	21.41	21.25	21.03	1.30	21.70	17.42	17.26	17.57	0.00	18.00
		25	0	21.31	21.22	20.97	1.30	21.70	17.33	17.23	17.54	0.00	18.00
	256QAM	1	0	18.95	19.03	19.03	3.30	19.70	17.40	17.34	17.18	0.00	18.00
		1	12	19.00	19.18	19.09	3.30	19.70	17.16	17.25	17.15	0.00	18.00
		1	24	19.18	19.02	18.96	3.30	19.70	17.15	17.25	17.30	0.00	18.00
		12	0	19.03	19.03	18.91	3.30	19.70	17.12	17.23	17.21	0.00	18.00
		12	7	18.93	19.08	19.08	3.30	19.70	17.19	17.35	17.16	0.00	18.00
		12	13	18.96	18.94	19.14	3.30	19.70	17.33	17.14	17.38	0.00	18.00
		25	0	18.99	18.98	19.05	3.30	19.70	17.20	17.37	17.17	0.00	18.00

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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	19.25	19.83	19.80	0.00	20.00	20.70	21.28	21.25	0.00	21.50
		1	49	20.00	20.00	20.00	0.00	20.00	21.30	21.30	21.30	0.00	21.50
		1	99	19.14	19.78	19.77	0.00	20.00	20.59	21.23	21.22	0.00	21.50
		50	0	19.31	19.72	19.64	0.00	20.00	20.76	20.77	21.09	0.30	21.20
		50	24	20.00	20.00	20.00	0.00	20.00	21.00	21.00	21.00	0.30	21.20
		50	50	19.14	19.65	19.66	0.00	20.00	20.34	20.85	20.86	0.30	21.20
		100	0	19.12	20.00	19.63	0.00	20.00	20.32	21.00	20.83	0.30	21.20
	16QAM	1	0	19.69	19.81	19.85	0.00	20.00	20.89	21.01	21.05	0.30	21.20
		1	49	19.63	19.81	19.82	0.00	20.00	20.83	21.01	21.02	0.30	21.20
		1	99	19.60	19.78	19.81	0.00	20.00	20.80	20.98	21.01	0.30	21.20
		50	0	19.37	19.17	19.09	0.00	20.00	19.62	19.42	19.34	1.30	20.20
		50	24	19.38	19.16	19.16	0.00	20.00	19.63	19.41	19.41	1.30	20.20
		50	50	19.23	19.13	19.12	0.00	20.00	19.48	19.38	19.37	1.30	20.20
		100	0	19.22	19.11	19.11	0.00	20.00	19.47	19.36	19.36	1.30	20.20
	64QAM	1	0	19.61	19.36	19.31	0.00	20.00	19.86	19.61	19.56	1.30	20.20
		1	49	19.55	19.30	19.35	0.00	20.00	19.80	19.55	19.60	1.30	20.20
		1	99	19.43	19.32	19.33	0.00	20.00	19.68	19.57	19.58	1.30	20.20
		50	0	18.62	19.12	19.06	0.80	19.20	18.47	18.97	18.91	2.30	19.20
		50	24	18.59	19.12	19.11	0.80	19.20	18.44	18.97	18.96	2.30	19.20
		50	50	18.49	19.07	19.08	0.80	19.20	18.34	18.92	18.93	2.30	19.20
		100	0	18.44	19.02	19.03	0.80	19.20	18.29	18.87	18.88	2.30	19.20
	256QAM	1	0	16.78	16.75	16.70	2.80	17.70	16.71	16.77	16.86	4.30	17.20
		1	49	16.96	16.89	16.91	2.80	17.70	16.99	16.88	16.84	4.30	17.20
		1	99	16.97	16.74	16.87	2.80	17.70	16.96	16.93	16.78	4.30	17.20
		50	0	16.99	16.93	16.73	2.80	17.70	16.97	16.72	16.86	4.30	17.20
		50	24	16.79	16.98	16.72	2.80	17.70	16.85	16.82	16.93	4.30	17.20
		50	50	16.85	16.77	16.74	2.80	17.70	16.72	16.92	16.90	4.30	17.20
		100	0	16.99	16.93	16.72	2.80	17.70	16.83	16.84	16.74	4.30	17.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20825	21100	21375	MPR	Tune-up Limit	20825	21100	21375	MPR	Tune-up Limit
				2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	19.33	19.86	19.85	0.00	20.00	20.78	21.20	21.30	0.00	21.50
		1	37	19.26	19.82	19.81	0.00	20.00	20.71	21.27	21.26	0.00	21.50
		1	74	19.23	19.83	19.81	0.00	20.00	20.68	21.28	21.26	0.00	21.50
		36	0	19.33	19.68	19.63	0.00	20.00	20.78	21.13	21.08	0.30	21.20
		36	20	19.33	19.68	19.73	0.00	20.00	20.53	20.88	20.93	0.30	21.20
		36	39	19.28	19.67	19.67	0.00	20.00	20.48	20.87	20.87	0.30	21.20
		75	0	19.20	19.62	19.64	0.00	20.00	20.40	20.82	20.84	0.30	21.20
	16QAM	1	0	19.72	19.85	19.83	0.00	20.00	20.92	21.05	21.03	0.30	21.20
		1	37	19.69	19.83	19.86	0.00	20.00	20.89	21.03	21.06	0.30	21.20
		1	74	19.66	19.81	19.84	0.00	20.00	20.86	21.01	21.04	0.30	21.20
		36	0	19.38	19.17	19.09	0.00	20.00	19.63	19.42	19.34	1.30	20.20
		36	20	19.37	19.16	19.19	0.00	20.00	19.62	19.41	19.44	1.30	20.20
		36	39	19.34	19.15	19.14	0.00	20.00	19.59	19.40	19.39	1.30	20.20
		75	0	19.33	19.11	19.13	0.00	20.00	19.58	19.36	19.38	1.30	20.20
	64QAM	1	0	19.96	19.71	19.67	0.00	20.00	20.01	19.96	19.92	1.30	20.20
		1	37	19.91	19.69	19.71	0.00	20.00	19.96	19.94	19.96	1.30	20.20
		1	74	19.95	19.68	19.71	0.00	20.00	20.00	19.93	19.96	1.30	20.20
		36	0	18.67	19.10	19.02	0.80	19.20	18.52	18.95	18.87	2.30	19.20
		36	20	18.64	19.10	19.11	0.80	19.20	18.49	18.95	18.96	2.30	19.20
		36	39	18.63	19.06	19.09	0.80	19.20	18.48	18.91	18.94	2.30	19.20
		75	0	18.62	19.06	19.08	0.80	19.20	18.47	18.91	18.93	2.30	19.20
	256QAM	1	0	16.79	16.75	16.79	2.80	17.70	16.99	16.96	16.71	4.30	17.20
		1	37	16.79	16.79	16.94	2.80	17.70	16.90	16.73	16.80	4.30	17.20
		1	74	16.77	16.82	16.99	2.80	17.70	16.83	16.70	16.79	4.30	17.20
		36	0	16.89	16.83	16.90	2.80	17.70	16.74	16.98	16.90	4.30	17.20
		36	20	16.83	16.86	16.76	2.80	17.70	17.00	16.92	16.91	4.30	17.20
		36	39	16.77	16.78	16.78	2.80	17.70	16.79	16.82	16.94	4.30	17.20
		75	0	16.86	16.93	16.89	2.80	17.70	16.96	16.74	16.80	4.30	17.20

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LTE Band 7 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20800	21100	21400			20800	21100	21400		
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	19.20	19.80	19.77	0.00	20.00	20.65	21.25	21.22	0.00	21.50
		1	25	19.19	19.80	19.78	0.00	20.00	20.64	21.25	21.23	0.00	21.50
		1	49	19.15	19.79	19.79	0.00	20.00	20.60	21.24	21.24	0.00	21.50
		25	0	19.36	19.68	19.63	0.00	20.00	20.81	21.13	21.08	0.30	21.20
		25	12	19.35	19.72	19.64	0.00	20.00	20.55	20.92	20.84	0.30	21.20
		25	25	19.31	19.69	19.69	0.00	20.00	20.51	20.89	20.89	0.30	21.20
		50	0	19.26	19.65	19.56	0.00	20.00	20.46	20.85	20.76	0.30	21.20
	16QAM	1	0	19.35	19.55	19.53	0.00	20.00	20.55	20.75	20.73	0.30	21.20
		1	25	19.27	19.47	19.45	0.00	20.00	20.47	20.67	20.65	0.30	21.20
		1	49	19.30	19.50	19.50	0.00	20.00	20.50	20.70	20.70	0.30	21.20
		25	0	19.54	19.29	19.21	0.00	20.00	19.79	19.54	19.46	1.30	20.20
		25	12	19.54	19.30	19.23	0.00	20.00	19.79	19.55	19.48	1.30	20.20
		25	25	19.50	19.27	19.29	0.00	20.00	19.75	19.52	19.54	1.30	20.20
		50	0	19.39	19.15	19.07	0.00	20.00	19.64	19.40	19.32	1.30	20.20
	64QAM	1	0	19.65	19.42	19.34	0.00	20.00	19.90	19.67	19.59	1.30	20.20
		1	25	19.58	19.36	19.39	0.00	20.00	19.83	19.61	19.64	1.30	20.20
		1	49	19.58	19.37	19.40	0.00	20.00	19.83	19.62	19.65	1.30	20.20
		25	0	18.68	19.17	19.09	0.80	19.20	18.53	19.02	18.94	2.30	19.20
		25	12	18.69	19.19	19.12	0.80	19.20	18.54	19.04	18.97	2.30	19.20
		25	25	18.69	19.15	19.17	0.80	19.20	18.54	19.00	19.02	2.30	19.20
		50	0	18.55	19.04	18.97	0.80	19.20	18.40	18.89	18.82	2.30	19.20
	256QAM	1	0	16.91	16.91	16.76	2.80	17.70	16.86	16.92	16.95	4.30	17.20
		1	25	16.87	16.78	16.96	2.80	17.70	16.91	16.79	16.86	4.30	17.20
		1	49	16.78	16.98	16.99	2.80	17.70	16.96	16.80	16.83	4.30	17.20
		25	0	16.85	16.86	16.96	2.80	17.70	16.83	16.94	16.76	4.30	17.20
		25	12	16.96	16.94	16.93	2.80	17.70	16.87	16.92	16.95	4.30	17.20
		25	25	16.97	16.98	16.76	2.80	17.70	16.76	16.97	16.79	4.30	17.20
		50	0	16.80	16.92	16.84	2.80	17.70	16.78	16.90	16.79	4.30	17.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20775	21100	21425			20775	21100	21425		
				2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	19.39	19.94	19.93	0.00	20.00	20.84	21.21	21.21	0.00	21.50
		1	12	19.36	19.88	19.88	0.00	20.00	20.81	21.21	21.21	0.00	21.50
		1	24	19.39	19.91	19.93	0.00	20.00	20.84	21.21	21.21	0.00	21.50
		12	0	19.32	19.69	19.69	0.00	20.00	20.77	21.14	21.14	0.30	21.20
		12	7	19.36	19.75	19.77	0.00	20.00	20.56	20.95	20.97	0.30	21.20
		12	13	19.34	19.72	19.69	0.00	20.00	20.54	20.92	20.89	0.30	21.20
		25	0	19.35	19.71	19.71	0.00	20.00	20.55	20.91	20.91	0.30	21.20
	16QAM	1	0	19.55	19.68	19.67	0.00	20.00	20.75	20.88	20.87	0.30	21.20
		1	12	19.46	19.63	19.62	0.00	20.00	20.66	20.83	20.82	0.30	21.20
		1	24	19.52	19.70	19.69	0.00	20.00	20.72	20.90	20.89	0.30	21.20
		12	0	19.52	19.27	19.27	0.00	20.00	19.77	19.52	19.52	1.30	20.20
		12	7	19.56	19.30	19.29	0.00	20.00	19.81	19.55	19.54	1.30	20.20
		12	13	19.50	19.23	19.23	0.00	20.00	19.75	19.48	19.48	1.30	20.20
		25	0	19.44	19.13	19.13	0.00	20.00	19.69	19.38	19.38	1.30	20.20
	64QAM	1	0	19.74	19.51	19.50	0.00	20.00	19.99	19.76	19.75	1.30	20.20
		1	12	19.71	19.50	19.52	0.00	20.00	19.96	19.75	19.77	1.30	20.20
		1	24	19.73	19.52	19.51	0.00	20.00	19.98	19.77	19.76	1.30	20.20
		12	0	18.72	19.16	19.14	0.80	19.20	18.57	19.01	18.99	2.30	19.20
		12	7	18.71	19.17	19.13	0.80	19.20	18.56	19.02	19.08	2.30	19.20
		12	13	18.69	19.16	19.16	0.80	19.20	18.54	19.01	19.01	2.30	19.20
		25	0	18.65	19.11	19.12	0.80	19.20	18.50	18.96	18.97	2.30	19.20
	256QAM	1	0	16.84	16.93	16.93	2.80	17.70	16.81	16.94	16.99	4.30	17.20
		1	12	16.78	16.94	16.81	2.80	17.70	16.86	16.88	16.86	4.30	17.20
		1	24	16.73	16.87	16.85	2.80	17.70	16.86	16.96	16.94	4.30	17.20
		12	0	16.82	16.80	16.96	2.80	17.70	16.93	16.79	16.78	4.30	17.20
		12	7	16.91	16.97	16.91	2.80	17.70	16.95	16.72	16.79	4.30	17.20
		12	13	16.80	16.90	16.92	2.80	17.70	16.91	16.75	16.85	4.30	17.20
		25	0	16.73	16.77	16.79	2.80	17.70	16.78	16.88	16.97	4.30	17.20

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LTE Band 12 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A {dBm}			Power Mode B (dBm)				
				[redacted]	23095	[redacted]	MPR	Tune-up Limit	[redacted]	23095	[redacted]	MPR	Tune-up Limit
					707.5 MHz					707.5 MHz			
10 MHz	QPSK	1	0		24.82		0.00	25.70		24.82		0.00	25.70
		1	25		25.20		0.00	25.70		25.20		0.00	25.70
		1	49		24.80		0.00	25.70		24.80		0.00	25.70
		25	0		23.81		1.00	24.70		23.81		1.00	24.70
		25	12		24.20		1.00	24.70		24.20		1.00	24.70
		25	25		23.88		1.00	24.70		23.88		1.00	24.70
		50	0		23.87		1.00	24.70		23.87		1.00	24.70
	16QAM	1	0		23.96		1.00	24.70		23.96		1.00	24.70
		1	25		23.89		1.00	24.70		23.89		1.00	24.70
		1	49		23.93		1.00	24.70		23.93		1.00	24.70
		25	0		22.91		2.00	23.70		22.91		2.00	23.70
		25	12		23.07		2.00	23.70		23.07		2.00	23.70
		25	25		22.98		2.00	23.70		22.98		2.00	23.70
		50	0		22.93		2.00	23.70		22.93		2.00	23.70
	64QAM	1	0		23.16		2.00	23.70		23.16		2.00	23.70
		1	25		23.20		2.00	23.70		23.20		2.00	23.70
		1	49		23.15		2.00	23.70		23.15		2.00	23.70
		25	0		21.93		3.00	22.70		21.93		3.00	22.70
		25	12		22.06		3.00	22.70		22.06		3.00	22.70
		25	25		22.00		3.00	22.70		22.00		3.00	22.70
		50	0		21.92		3.00	22.70		21.92		3.00	22.70
	64QAM	1	0		20.13		5.00	20.70		20.13		5.00	20.70
		1	25		20.06		5.00	20.70		20.06		5.00	20.70
		1	49		19.94		5.00	20.70		19.94		5.00	20.70
		25	0		20.17		5.00	20.70		20.17		5.00	20.70
		25	12		20.17		5.00	20.70		20.17		5.00	20.70
		25	25		19.96		5.00	20.70		19.96		5.00	20.70
		50	0		20.12		5.00	20.70		20.12		5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A {dBm}					Power Mode B (dBm)				
				23035.00	23095.00	23155.00	MPR	Tune-up Limit	23035.00	23095.00	23155.00	MPR	Tune-up Limit
				701.5 MHz	707.5 MHz	713.5 MHz			701.5 MHz	707.5 MHz	713.5 MHz		
5 MHz	QPSK	1	0	24.94	24.90	24.90	0.00	25.70	24.94	24.90	24.90	0.00	25.70
		1	12	24.97	24.88	24.91	0.00	25.70	24.97	24.88	24.91	0.00	25.70
		1	24	24.96	24.89	24.95	0.00	25.70	24.96	24.89	24.95	0.00	25.70
		12	0	23.97	23.92	23.92	1.00	24.70	23.97	23.92	23.92	1.00	24.70
		12	7	24.06	24.00	23.95	1.00	24.70	24.06	24.00	23.95	1.00	24.70
		12	13	24.00	23.92	23.94	1.00	24.70	24.00	23.92	23.94	1.00	24.70
		25	0	24.00	23.95	23.94	1.00	24.70	24.00	23.95	23.94	1.00	24.70
	16QAM	1	0	24.11	24.05	24.09	1.00	24.70	24.11	24.05	24.09	1.00	24.70
		1	12	24.13	24.04	24.08	1.00	24.70	24.13	24.04	24.08	1.00	24.70
		1	24	24.13	24.07	24.12	1.00	24.70	24.13	24.07	24.12	1.00	24.70
		12	0	23.01	22.99	22.98	2.00	23.70	23.01	22.99	22.98	2.00	23.70
		12	7	23.09	23.03	23.01	2.00	23.70	23.09	23.03	23.01	2.00	23.70
		12	13	23.07	23.00	23.06	2.00	23.70	23.07	23.00	23.06	2.00	23.70
		25	0	22.96	22.91	22.88	2.00	23.70	22.96	22.91	22.88	2.00	23.70
	64QAM	1	0	23.26	23.15	23.21	2.00	23.70	23.26	23.15	23.21	2.00	23.70
		1	12	23.28	23.19	23.30	2.00	23.70	23.28	23.19	23.30	2.00	23.70
		1	24	23.29	23.19	23.26	2.00	23.70	23.29	23.19	23.26	2.00	23.70
		12	0	22.08	22.00	22.02	3.00	22.70	22.08	22.00	22.02	3.00	22.70
		12	7	22.11	22.08	22.04	3.00	22.70	22.11	22.08	22.04	3.00	22.70
		12	13	22.10	22.03	22.02	3.00	22.70	22.10	22.03	22.02	3.00	22.70
		25	0	22.07	22.00	21.96	3.00	22.70	22.07	22.00	21.96	3.00	22.70
	256QAM	1	0	20.00	19.95	20.04	5.00	20.70	20.00	19.95	20.04	5.00	20.70
		1	12	20.11	20.06	20.04	5.00	20.70	20.11	20.06	20.04	5.00	20.70
		1	24	20.08	19.97	20.17	5.00	20.70	20.08	19.97	20.17	5.00	20.70
		12	0	20.08	20.12	20.18	5.00	20.70	20.08	20.12	20.18	5.00	20.70
		12	7	20.03	20.03	20.19	5.00	20.70	20.03	20.03	20.19	5.00	20.70
		12	13	20.01	20.19	20.02	5.00	20.70	20.01	20.19	20.02	5.00	20.70
		25	0	20.20	19.97	20.15	5.00	20.70	20.20	19.97	20.15	5.00	20.70

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LTE Band 12 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A {dBm}			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				23025.00	23095.00	23165.00			23025.00	23095.00	23165.00		
				700.5 MHz	707.5 MHz	714.5 MHz			700.5 MHz	707.5 MHz	714.5 MHz		
3 MHz	QPSK	1	0	24.83	24.82	24.83	0.00	25.70	24.83	24.82	24.83	0.00	25.70
		1	8	24.84	24.76	24.80	0.00	25.70	24.84	24.76	24.80	0.00	25.70
		1	14	24.88	24.85	24.85	0.00	25.70	24.88	24.85	24.85	0.00	25.70
		8	0	23.91	23.86	23.89	1.00	24.70	23.91	23.86	23.89	1.00	24.70
		8	4	24.00	23.95	23.90	1.00	24.70	24.00	23.95	23.90	1.00	24.70
		8	7	24.02	23.95	23.94	1.00	24.70	24.02	23.95	23.94	1.00	24.70
		15	0	23.97	23.91	23.91	1.00	24.70	23.97	23.91	23.91	1.00	24.70
	16QAM	1	0	23.98	23.99	23.95	1.00	24.70	23.98	23.99	23.95	1.00	24.70
		1	8	23.94	23.91	23.91	1.00	24.70	23.94	23.91	23.91	1.00	24.70
		1	14	23.94	23.93	23.99	1.00	24.70	23.94	23.93	23.99	1.00	24.70
		8	0	22.99	22.94	22.93	2.00	23.70	22.99	22.94	22.93	2.00	23.70
		8	4	23.06	23.00	22.95	2.00	23.70	23.06	23.00	22.95	2.00	23.70
		8	7	23.06	23.04	23.03	2.00	23.70	23.06	23.04	23.03	2.00	23.70
		15	0	22.97	22.89	22.85	2.00	23.70	22.97	22.89	22.85	2.00	23.70
	64QAM	1	0	23.19	23.19	23.20	2.00	23.70	23.19	23.19	23.20	2.00	23.70
		1	8	23.08	23.11	23.11	2.00	23.70	23.08	23.11	23.11	2.00	23.70
		1	14	23.17	23.17	23.21	2.00	23.70	23.17	23.17	23.21	2.00	23.70
		8	0	21.91	21.86	21.93	3.00	22.70	21.91	21.86	21.93	3.00	22.70
		8	4	21.95	21.93	21.92	3.00	22.70	21.95	21.93	21.92	3.00	22.70
		8	7	22.01	21.96	22.01	3.00	22.70	22.01	21.96	22.01	3.00	22.70
		15	0	22.02	21.98	22.00	3.00	22.70	22.02	21.98	22.00	3.00	22.70
	256QAM	1	0	20.19	20.16	20.15	5.00	20.70	20.19	20.16	20.15	5.00	20.70
		1	12	20.07	20.12	20.14	5.00	20.70	20.07	20.12	20.14	5.00	20.70
		1	24	20.18	20.08	20.09	5.00	20.70	20.18	20.08	20.09	5.00	20.70
		12	0	20.13	20.10	20.04	5.00	20.70	20.13	20.10	20.04	5.00	20.70
		12	7	19.97	20.16	20.02	5.00	20.70	19.97	20.16	20.02	5.00	20.70
		12	13	20.19	20.02	20.10	5.00	20.70	20.19	20.02	20.10	5.00	20.70
		25	0	20.00	19.91	20.15	5.00	20.70	20.00	19.91	20.15	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				23017.00	23095.00	23173.00			23017.00	23095.00	23173.00		
				699.7 MHz	707.5 MHz	715.3 MHz			699.7 MHz	707.5 MHz	715.3 MHz		
1.4 MHz	QPSK	1	0	24.70	24.77	24.83	0.00	25.70	24.70	24.77	24.83	0.00	25.70
		1	3	24.85	24.92	24.98	0.00	25.70	24.85	24.92	24.98	0.00	25.70
		1	5	24.76	24.83	24.89	0.00	25.70	24.76	24.83	24.89	0.00	25.70
		3	0	24.79	24.86	24.92	0.00	25.70	24.79	24.86	24.92	0.00	25.70
		3	1	24.84	24.91	24.97	0.00	25.70	24.84	24.91	24.97	0.00	25.70
		3	3	24.83	24.90	24.96	0.00	25.70	24.83	24.90	24.96	0.00	25.70
		6	0	23.83	23.90	23.96	1.00	24.70	23.83	23.90	23.96	1.00	24.70
	16QAM	1	0	24.17	24.24	24.30	1.00	24.70	24.17	24.24	24.30	1.00	24.70
		1	3	24.28	24.35	24.41	1.00	24.70	24.28	24.35	24.41	1.00	24.70
		1	5	24.18	24.25	24.31	1.00	24.70	24.18	24.25	24.31	1.00	24.70
		3	0	24.04	24.11	24.17	1.00	24.70	24.04	24.11	24.17	1.00	24.70
		3	1	24.05	24.12	24.18	1.00	24.70	24.05	24.12	24.18	1.00	24.70
		3	3	24.06	24.13	24.19	1.00	24.70	24.06	24.13	24.19	1.00	24.70
		6	0	22.72	22.79	22.85	2.00	23.70	22.72	22.79	22.85	2.00	23.70
	64QAM	1	0	22.87	22.94	23.00	2.00	23.70	22.87	22.94	23.00	2.00	23.70
		1	3	23.00	23.07	23.13	2.00	23.70	23.00	23.07	23.13	2.00	23.70
		1	5	22.87	22.94	23.00	2.00	23.70	22.87	22.94	23.00	2.00	23.70
		3	0	22.93	23.00	23.06	2.00	23.70	22.93	23.00	23.06	2.00	23.70
		3	1	23.00	23.07	23.13	2.00	23.70	23.00	23.07	23.13	2.00	23.70
		3	3	22.99	23.06	23.12	2.00	23.70	22.99	23.06	23.12	2.00	23.70
		6	0	22.06	22.13	22.19	3.00	22.70	22.06	22.13	22.19	3.00	22.70
	256QAM	1	0	19.91	20.09	19.91	5.00	20.70	19.91	20.09	19.91	5.00	20.70
		1	12	20.14	20.08	20.14	5.00	20.70	20.14	20.08	20.14	5.00	20.70
		1	24	19.97	20.05	20.16	5.00	20.70	19.97	20.05	20.16	5.00	20.70
		12	0	20.01	20.02	20.09	5.00	20.70	20.01	20.02	20.09	5.00	20.70
		12	7	20.13	19.94	19.91	5.00	20.70	20.13	19.94	19.91	5.00	20.70
		12	13	20.13	20.10	19.96	5.00	20.70	20.13	20.10	19.96	5.00	20.70
		25	0	19.96	20.12	19.96	5.00	20.70	19.96	20.12	19.96	5.00	20.70

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LTE Band 12 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)				
				[redacted]	23095	[redacted]	MPR	Tune-up Limit	[redacted]	23095	[redacted]	MPR	Tune-up Limit
					707.5 MHz					707.5 MHz			
10 MHz	QPSK	1	0		23.12		0.00	23.90		23.12		0.00	23.90
		1	25		23.30		0.00	23.90		23.30		0.00	23.90
		1	49		23.05		0.00	23.90		23.05		0.00	23.90
		25	0		22.67		1.00	22.90		22.67		1.00	22.90
		25	12		22.81		1.00	22.90		22.81		1.00	22.90
		25	25		22.72		1.00	22.90		22.72		1.00	22.90
		50	0		22.71		1.00	22.90		22.71		1.00	22.90
	16QAM	1	0		22.74		1.00	22.90		22.74		1.00	22.90
		1	25		22.82		1.00	22.90		22.82		1.00	22.90
		1	49		22.60		1.00	22.90		22.60		1.00	22.90
		25	0		21.72		2.00	21.90		21.72		2.00	21.90
		25	12		21.87		2.00	21.90		21.87		2.00	21.90
		25	25		21.80		2.00	21.90		21.80		2.00	21.90
		50	0		21.75		2.00	21.90		21.75		2.00	21.90
	64QAM	1	0		21.74		2.00	21.90		21.74		2.00	21.90
		1	25		21.82		2.00	21.90		21.82		2.00	21.90
		1	49		21.60		2.00	21.90		21.60		2.00	21.90
		25	0		20.72		3.00	20.90		20.72		3.00	20.90
		25	12		20.87		3.00	20.90		20.87		3.00	20.90
		25	25		20.80		3.00	20.90		20.80		3.00	20.90
		50	0		20.75		3.00	20.90		20.75		3.00	20.90
	256QAM	1	0		18.47		5.00	18.90		18.47		5.00	18.90
		1	25		18.65		5.00	18.90		18.65		5.00	18.90
		1	49		18.45		5.00	18.90		18.45		5.00	18.90
		25	0		18.66		5.00	18.90		18.66		5.00	18.90
		25	12		18.67		5.00	18.90		18.67		5.00	18.90
		25	25		18.48		5.00	18.90		18.48		5.00	18.90
		50	0		18.47		5.00	18.90		18.47		5.00	18.90

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	23.16	23.19	23.29	0.00	23.90	23.16	23.19	23.29	0.00	23.90
		1	12	23.21	23.23	23.26	0.00	23.90	23.21	23.23	23.26	0.00	23.90
		1	24	23.17	23.20	23.28	0.00	23.90	23.17	23.20	23.28	0.00	23.90
		12	0	22.71	22.77	22.73	1.00	22.90	22.71	22.77	22.73	1.00	22.90
		12	7	22.83	22.84	22.80	1.00	22.90	22.83	22.84	22.80	1.00	22.90
		12	13	22.79	22.78	22.76	1.00	22.90	22.79	22.78	22.76	1.00	22.90
		25	0	22.81	22.83	22.75	1.00	22.90	22.81	22.83	22.75	1.00	22.90
	16QAM	1	0	22.79	22.37	22.38	1.00	22.90	22.79	22.37	22.38	1.00	22.90
		1	12	22.81	22.50	22.43	1.00	22.90	22.81	22.50	22.43	1.00	22.90
		1	24	22.86	22.43	22.45	1.00	22.90	22.86	22.43	22.45	1.00	22.90
		12	0	21.40	21.33	21.32	2.00	21.90	21.40	21.33	21.32	2.00	21.90
		12	7	21.46	21.38	21.36	2.00	21.90	21.46	21.38	21.36	2.00	21.90
		12	13	21.43	21.33	21.33	2.00	21.90	21.43	21.33	21.33	2.00	21.90
		25	0	21.35	21.27	21.30	2.00	21.90	21.35	21.27	21.30	2.00	21.90
	64QAM	1	0	21.79	21.37	21.38	2.00	21.90	21.79	21.37	21.38	2.00	21.90
		1	12	21.81	21.50	21.43	2.00	21.90	21.81	21.50	21.43	2.00	21.90
		1	24	21.86	21.43	21.45	2.00	21.90	21.86	21.43	21.45	2.00	21.90
		12	0	20.40	20.33	20.32	3.00	20.90	20.40	20.33	20.32	3.00	20.90
		12	7	20.46	20.38	20.36	3.00	20.90	20.46	20.38	20.36	3.00	20.90
		12	13	20.43	20.33	20.33	3.00	20.90	20.43	20.33	20.33	3.00	20.90
		25	0	20.35	20.27	20.30	3.00	20.90	20.35	20.27	20.30	3.00	20.90
	256QAM	1	0	18.67	18.57	18.67	5.00	18.90	18.67	18.57	18.67	5.00	18.90
		1	12	18.63	18.48	18.53	5.00	18.90	18.63	18.48	18.53	5.00	18.90
		1	24	18.53	18.68	18.66	5.00	18.90	18.53	18.68	18.66	5.00	18.90
		12	0	18.40	18.48	18.43	5.00	18.90	18.40	18.48	18.43	5.00	18.90
		12	7	18.53	18.64	18.64	5.00	18.90	18.53	18.64	18.64	5.00	18.90
		12	13	18.48	18.49	18.42	5.00	18.90	18.48	18.49	18.42	5.00	18.90
		25	0	18.46	18.41	18.56	5.00	18.90	18.46	18.41	18.56	5.00	18.90

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LTE Band 12 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				23025	23095	23165			23025	23095	23165		
				700.5 MHz	707.5 MHz	714.5 MHz			700.5 MHz	707.5 MHz	714.5 MHz		
3 MHz	QPSK	1	0	23.22	23.14	23.15	0.00	23.90	23.22	23.14	23.15	0.00	23.90
		1	8	23.22	23.12	23.15	0.00	23.90	23.22	23.12	23.15	0.00	23.90
		1	14	23.22	23.14	23.21	0.00	23.90	23.22	23.14	23.21	0.00	23.90
		8	0	22.73	22.71	22.71	1.00	22.90	22.73	22.71	22.71	1.00	22.90
		8	4	22.79	22.81	22.78	1.00	22.90	22.79	22.81	22.78	1.00	22.90
		8	7	22.81	22.80	22.79	1.00	22.90	22.81	22.80	22.79	1.00	22.90
		15	0	22.76	22.77	22.78	1.00	22.90	22.76	22.77	22.78	1.00	22.90
	16QAM	1	0	22.73	22.83	22.77	1.00	22.90	22.73	22.83	22.77	1.00	22.90
		1	8	22.71	22.77	22.70	1.00	22.90	22.71	22.77	22.70	1.00	22.90
		1	14	22.75	22.77	22.73	1.00	22.90	22.75	22.77	22.73	1.00	22.90
		8	0	21.79	21.78	21.83	2.00	21.90	21.79	21.78	21.83	2.00	21.90
		8	4	21.86	21.84	21.89	2.00	21.90	21.86	21.84	21.89	2.00	21.90
		8	7	21.90	21.86	21.77	2.00	21.90	21.90	21.86	21.77	2.00	21.90
		15	0	21.87	21.74	21.86	2.00	21.90	21.87	21.74	21.86	2.00	21.90
	64QAM	1	0	21.73	21.83	21.77	2.00	21.90	21.73	21.83	21.77	2.00	21.90
		1	8	21.71	21.77	21.70	2.00	21.90	21.71	21.77	21.70	2.00	21.90
		1	14	21.75	21.77	21.73	2.00	21.90	21.75	21.77	21.73	2.00	21.90
		8	0	20.79	20.78	20.83	3.00	20.90	20.79	20.78	20.83	3.00	20.90
		8	4	20.86	20.84	20.89	3.00	20.90	20.86	20.84	20.89	3.00	20.90
		8	7	20.90	20.86	20.77	3.00	20.90	20.90	20.86	20.77	3.00	20.90
		15	0	20.87	20.74	20.86	3.00	20.90	20.87	20.74	20.86	3.00	20.90
	256QAM	1	0	18.67	18.57	18.67	5.00	18.90	18.67	18.57	18.67	5.00	18.90
		1	8	18.63	18.48	18.53	5.00	18.90	18.63	18.48	18.53	5.00	18.90
		1	14	18.53	18.68	18.66	5.00	18.90	18.53	18.68	18.66	5.00	18.90
		8	0	18.40	18.48	18.43	5.00	18.90	18.40	18.48	18.43	5.00	18.90
		8	4	18.53	18.64	18.64	5.00	18.90	18.53	18.64	18.64	5.00	18.90
		8	7	18.48	18.49	18.42	5.00	18.90	18.48	18.49	18.42	5.00	18.90
		15	0	18.46	18.41	18.56	5.00	18.90	18.46	18.41	18.56	5.00	18.90

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				23017	23095	23173			23017	23095	23173		
				699.7 MHz	707.5 MHz	715.3 MHz			699.7 MHz	707.5 MHz	715.3 MHz		
1.4 MHz	QPSK	1	0	23.11	23.02	23.08	0.00	23.90	23.11	23.02	23.08	0.00	23.90
		1	3	23.20	23.12	23.19	0.00	23.90	23.20	23.12	23.19	0.00	23.90
		1	5	23.19	23.10	23.14	0.00	23.90	23.19	23.10	23.14	0.00	23.90
		3	0	23.17	23.08	23.02	0.00	23.90	23.17	23.08	23.02	0.00	23.90
		3	1	23.19	23.12	23.06	0.00	23.90	23.19	23.12	23.06	0.00	23.90
		3	3	23.21	23.13	23.13	0.00	23.90	23.21	23.13	23.13	0.00	23.90
		6	0	22.71	22.68	22.63	1.00	22.90	22.71	22.68	22.63	1.00	22.90
	16QAM	1	0	22.61	22.68	22.71	1.00	22.90	22.61	22.68	22.71	1.00	22.90
		1	3	22.69	22.80	22.85	1.00	22.90	22.69	22.80	22.85	1.00	22.90
		1	5	22.56	22.75	22.81	1.00	22.90	22.56	22.75	22.81	1.00	22.90
		3	0	22.41	22.86	22.68	1.00	22.90	22.41	22.86	22.68	1.00	22.90
		3	1	22.44	22.42	22.70	1.00	22.90	22.44	22.42	22.70	1.00	22.90
		3	3	22.45	22.42	22.77	1.00	22.90	22.45	22.42	22.77	1.00	22.90
		6	0	21.65	21.86	21.76	2.00	21.90	21.65	21.86	21.76	2.00	21.90
	64QAM	1	0	21.61	21.68	21.71	2.00	21.90	21.61	21.68	21.71	2.00	21.90
		1	3	21.69	21.80	21.85	2.00	21.90	21.69	21.80	21.85	2.00	21.90
		1	5	21.56	21.75	21.81	2.00	21.90	21.56	21.75	21.81	2.00	21.90
		3	0	21.41	21.86	21.68	2.00	21.90	21.41	21.86	21.68	2.00	21.90
		3	1	21.44	21.42	21.70	2.00	21.90	21.44	21.42	21.70	2.00	21.90
		3	3	21.45	21.42	21.77	2.00	21.90	21.45	21.42	21.77	2.00	21.90
		6	0	20.65	20.86	20.76	3.00	20.90	20.65	20.86	20.76	3.00	20.90
	256QAM	1	0	18.67	18.57	18.67	5.00	18.90	18.67	18.57	18.67	5.00	18.90
		1	3	18.63	18.48	18.53	5.00	18.90	18.63	18.48	18.53	5.00	18.90
		1	5	18.53	18.68	18.66	5.00	18.90	18.53	18.68	18.66	5.00	18.90
		3	0	18.40	18.48	18.43	5.00	18.90	18.40	18.48	18.43	5.00	18.90
		3	1	18.53	18.64	18.64	5.00	18.90	18.53	18.64	18.64	5.00	18.90
		3	3	18.48	18.49	18.42	5.00	18.90	18.48	18.49	18.42	5.00	18.90
		6	0	18.46	18.41	18.56	5.00	18.90	18.46	18.41	18.56	5.00	18.90

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LTE Band 13 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23230.0	MPR	Tune-up Limit	23230.0	MPR	Tune-up Limit
				782 MHz			782 MHz		
10 MHz	QPSK	1	0	24.89	0.00	25.70	24.89	0.00	25.70
		1	25	25.20	0.00	25.70	25.20	0.00	25.70
		1	49	24.89	0.00	25.70	24.89	0.00	25.70
		25	0	23.99	1.00	24.70	23.99	1.00	24.70
		25	12	24.20	1.00	24.70	24.20	1.00	24.70
		25	25	24.04	1.00	24.70	24.04	1.00	24.70
		50	0	24.00	1.00	24.70	24.00	1.00	24.70
	16QAM	1	0	23.94	1.00	24.70	23.94	1.00	24.70
		1	25	24.11	1.00	24.70	24.11	1.00	24.70
		1	49	24.08	1.00	24.70	24.08	1.00	24.70
		25	0	23.09	2.00	23.70	23.09	2.00	23.70
		25	12	23.15	2.00	23.70	23.15	2.00	23.70
		25	25	23.13	2.00	23.70	23.13	2.00	23.70
		50	0	23.06	2.00	23.70	23.06	2.00	23.70
	64QAM	1	0	23.23	2.00	23.70	23.23	2.00	23.70
		1	25	23.24	2.00	23.70	23.24	2.00	23.70
		1	49	23.22	2.00	23.70	23.22	2.00	23.70
		25	0	21.78	3.00	22.70	21.78	3.00	22.70
		25	12	22.13	3.00	22.70	22.13	3.00	22.70
		25	25	22.14	3.00	22.70	22.14	3.00	22.70
		50	0	21.82	3.00	22.70	21.82	3.00	22.70
	256QAM	1	0	20.17	5.00	20.70	20.17	5.00	20.70
		1	25	19.94	5.00	20.70	19.94	5.00	20.70
		1	49	19.94	5.00	20.70	19.94	5.00	20.70
		25	0	19.94	5.00	20.70	19.94	5.00	20.70
		25	12	19.98	5.00	20.70	19.98	5.00	20.70
		25	25	19.97	5.00	20.70	19.97	5.00	20.70
		50	0	20.01	5.00	20.70	20.01	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23230.00	MPR	Tune-up Limit	23230.00	MPR	Tune-up Limit
				782 MHz			782 MHz		
5 MHz	QPSK	1	0	24.75	0.00	25.70	24.75	0.00	25.70
		1	12	25.01	0.00	25.70	25.01	0.00	25.70
		1	24	24.94	0.00	25.70	24.94	0.00	25.70
		12	0	23.80	1.00	24.70	23.80	1.00	24.70
		12	7	24.18	1.00	24.70	24.18	1.00	24.70
		12	13	24.14	1.00	24.70	24.14	1.00	24.70
		25	0	23.70	1.00	24.70	23.70	1.00	24.70
	16QAM	1	0	23.76	1.00	24.70	23.76	1.00	24.70
		1	12	23.96	1.00	24.70	23.96	1.00	24.70
		1	24	23.91	1.00	24.70	23.91	1.00	24.70
		12	0	22.70	2.00	23.70	22.70	2.00	23.70
		12	7	22.70	2.00	23.70	22.70	2.00	23.70
		12	13	22.70	2.00	23.70	22.70	2.00	23.70
		25	0	22.70	2.00	23.70	22.70	2.00	23.70
	64QAM	1	0	22.73	2.00	23.70	22.73	2.00	23.70
		1	12	22.70	2.00	23.70	22.70	2.00	23.70
		1	24	22.75	2.00	23.70	22.75	2.00	23.70
		12	0	22.11	3.00	22.70	22.11	3.00	22.70
		12	7	21.70	3.00	22.70	21.70	3.00	22.70
		12	13	21.71	3.00	22.70	21.71	3.00	22.70
		25	0	21.70	3.00	22.70	21.70	3.00	22.70
	256QAM	1	0	19.97	5.00	20.70	19.97	5.00	20.70
		1	12	20.02	5.00	20.70	20.02	5.00	20.70
		1	24	20.19	5.00	20.70	20.19	5.00	20.70
		12	0	20.02	5.00	20.70	20.02	5.00	20.70
		12	7	20.19	5.00	20.70	20.19	5.00	20.70
		12	13	19.95	5.00	20.70	19.95	5.00	20.70
		25	0	19.90	5.00	20.70	19.90	5.00	20.70

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LTE Band 13 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23230	MPR	Tune-up Limit	23230	MPR	Tune-up Limit
				782 MHz			782 MHz		
10 MHz	QPSK	1	0	23.51	0.00	23.90	23.51	0.00	23.90
		1	25	23.60	0.00	23.90	23.60	0.00	23.90
		1	49	23.59	0.00	23.90	23.59	0.00	23.90
		25	0	22.71	1.00	22.90	22.71	1.00	22.90
		25	12	22.80	1.00	22.90	22.80	1.00	22.90
		25	25	22.79	1.00	22.90	22.79	1.00	22.90
		50	0	22.75	1.00	22.90	22.75	1.00	22.90
	16QAM	1	0	22.56	1.00	22.90	22.56	1.00	22.90
		1	25	22.60	1.00	22.90	22.60	1.00	22.90
		1	49	22.64	1.00	22.90	22.64	1.00	22.90
		25	0	21.52	2.00	21.90	21.52	2.00	21.90
		25	12	21.54	2.00	21.90	21.54	2.00	21.90
		25	25	21.51	2.00	21.90	21.51	2.00	21.90
		50	0	21.50	2.00	21.90	21.50	2.00	21.90
	64QAM	1	0	21.52	2.00	21.90	21.52	2.00	21.90
		1	25	21.56	2.00	21.90	21.56	2.00	21.90
		1	49	21.60	2.00	21.90	21.60	2.00	21.90
		25	0	20.48	3.00	20.90	20.48	3.00	20.90
		25	12	20.50	3.00	20.90	20.50	3.00	20.90
		25	25	20.47	3.00	20.90	20.47	3.00	20.90
		50	0	20.46	3.00	20.90	20.46	3.00	20.90
	256QAM	1	0	18.47	5.00	18.90	18.47	5.00	18.90
		1	25	18.64	5.00	18.90	18.64	5.00	18.90
		1	49	18.42	5.00	18.90	18.42	5.00	18.90
		25	0	18.56	5.00	18.90	18.56	5.00	18.90
		25	12	18.65	5.00	18.90	18.65	5.00	18.90
		25	25	18.52	5.00	18.90	18.52	5.00	18.90
		50	0	18.50	5.00	18.90	18.50	5.00	18.90

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23230	MPR	Tune-up Limit	23230	MPR	Tune-up Limit
				782 MHz			782 MHz		
5 MHz	QPSK	1	0	23.49	0.00	23.90	23.49	0.00	23.90
		1	12	23.48	0.00	23.90	23.48	0.00	23.90
		1	24	23.60	0.00	23.90	23.60	0.00	23.90
		12	0	22.70	1.00	22.90	22.70	1.00	22.90
		12	7	22.81	1.00	22.90	22.81	1.00	22.90
		12	13	22.79	1.00	22.90	22.79	1.00	22.90
		25	0	22.77	1.00	22.90	22.77	1.00	22.90
	16QAM	1	0	22.47	1.00	22.90	22.47	1.00	22.90
		1	12	22.55	1.00	22.90	22.55	1.00	22.90
		1	24	22.48	1.00	22.90	22.48	1.00	22.90
		12	0	21.49	2.00	21.90	21.49	2.00	21.90
		12	7	21.58	2.00	21.90	21.58	2.00	21.90
		12	13	21.59	2.00	21.90	21.59	2.00	21.90
		25	0	21.46	2.00	21.90	21.46	2.00	21.90
	64QAM	1	0	21.43	2.00	21.90	21.43	2.00	21.90
		1	12	21.51	2.00	21.90	21.51	2.00	21.90
		1	24	21.44	2.00	21.90	21.44	2.00	21.90
		12	0	20.45	3.00	20.90	20.45	3.00	20.90
		12	7	20.54	3.00	20.90	20.54	3.00	20.90
		12	13	20.55	3.00	20.90	20.55	3.00	20.90
		25	0	20.42	3.00	20.90	20.42	3.00	20.90
	256QAM	1	0	18.55	5.00	18.90	18.55	5.00	18.90
		1	12	18.43	5.00	18.90	18.43	5.00	18.90
		1	24	18.50	5.00	18.90	18.50	5.00	18.90
		12	0	18.51	5.00	18.90	18.51	5.00	18.90
		12	7	18.64	5.00	18.90	18.64	5.00	18.90
		12	13	18.58	5.00	18.90	18.58	5.00	18.90
		25	0	18.49	5.00	18.90	18.49	5.00	18.90

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LTE Band 14 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23330	MPR	Tune-up Limit	23330	MPR	Tune-up Limit
				793 MHz			793 MHz		
10 MHz	QPSK	1	0	24.91	0.00	25.70	24.91	0.00	25.70
		1	25	25.20	0.00	25.70	25.20	0.00	25.70
		1	49	24.79	0.00	25.70	24.79	0.00	25.70
		25	0	23.88	1.00	24.70	23.88	1.00	24.70
		25	12	24.20	1.00	24.70	24.20	1.00	24.70
		25	25	23.91	1.00	24.70	23.91	1.00	24.70
		50	0	23.94	1.00	24.70	23.94	1.00	24.70
	16QAM	1	0	24.10	1.00	24.70	24.10	1.00	24.70
		1	25	23.99	1.00	24.70	23.99	1.00	24.70
		1	49	23.95	1.00	24.70	23.95	1.00	24.70
		25	0	23.01	2.00	23.70	23.01	2.00	23.70
		25	12	23.12	2.00	23.70	23.12	2.00	23.70
		25	25	23.04	2.00	23.70	23.04	2.00	23.70
		50	0	22.97	2.00	23.70	22.97	2.00	23.70
	64QAM	1	0	23.25	2.00	23.70	23.25	2.00	23.70
		1	25	23.23	2.00	23.70	23.23	2.00	23.70
		1	49	23.16	2.00	23.70	23.16	2.00	23.70
		25	0	22.00	3.00	22.70	22.00	3.00	22.70
		25	12	22.12	3.00	22.70	22.12	3.00	22.70
		25	25	22.02	3.00	22.70	22.02	3.00	22.70
		50	0	21.96	3.00	22.70	21.96	3.00	22.70
	256QAM	1	0	19.95	5.00	20.70	19.95	5.00	20.70
		1	25	19.97	5.00	20.70	19.97	5.00	20.70
		1	49	20.11	5.00	20.70	20.11	5.00	20.70
		25	0	20.14	5.00	20.70	20.14	5.00	20.70
		25	12	20.19	5.00	20.70	20.19	5.00	20.70
		25	25	20.05	5.00	20.70	20.05	5.00	20.70
		50	0	20.20	5.00	20.70	20.20	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23330.00	MPR	Tune-up Limit	23330.00	MPR	Tune-up Limit
				793 MHz			793 MHz		
5 MHz	QPSK	1	0	24.97	0.00	25.70	24.97	0.00	25.70
		1	12	24.99	0.00	25.70	24.99	0.00	25.70
		1	24	24.94	0.00	25.70	24.94	0.00	25.70
		12	0	24.03	1.00	24.70	24.03	1.00	24.70
		12	7	24.09	1.00	24.70	24.09	1.00	24.70
		12	13	23.96	1.00	24.70	23.96	1.00	24.70
		25	0	24.03	1.00	24.70	24.03	1.00	24.70
	16QAM	1	0	24.12	1.00	24.70	24.12	1.00	24.70
		1	12	24.13	1.00	24.70	24.13	1.00	24.70
		1	24	24.16	1.00	24.70	24.16	1.00	24.70
		12	0	23.07	2.00	23.70	23.07	2.00	23.70
		12	7	23.15	2.00	23.70	23.15	2.00	23.70
		12	13	23.06	2.00	23.70	23.06	2.00	23.70
		25	0	22.96	2.00	23.70	22.96	2.00	23.70
	64QAM	1	0	23.23	2.00	23.70	23.23	2.00	23.70
		1	12	23.31	2.00	23.70	23.31	2.00	23.70
		1	24	23.26	2.00	23.70	23.26	2.00	23.70
		12	0	22.10	3.00	22.70	22.10	3.00	22.70
		12	7	22.16	3.00	22.70	22.16	3.00	22.70
		12	13	22.10	3.00	22.70	22.10	3.00	22.70
		25	0	22.07	3.00	22.70	22.07	3.00	22.70
	256QAM	1	0	20.16	5.00	20.70	20.16	5.00	20.70
		1	12	20.07	5.00	20.70	20.07	5.00	20.70
		1	24	20.01	5.00	20.70	20.01	5.00	20.70
		12	0	19.93	5.00	20.70	19.93	5.00	20.70
		12	7	20.11	5.00	20.70	20.11	5.00	20.70
		12	13	20.02	5.00	20.70	20.02	5.00	20.70
		25	0	20.19	5.00	20.70	20.19	5.00	20.70

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LTE Band 14 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23330	MPR	Tune-up Limit	23330	MPR	Tune-up Limit
				793 MHz			793 MHz		
10 MHz	QPSK	1	0	23.55	0.00	23.90	23.55	0.00	23.90
		1	25	23.60	0.00	23.90	23.60	0.00	23.90
		1	49	23.51	0.00	23.90	23.51	0.00	23.90
		25	0	22.49	1.00	22.90	22.49	1.00	22.90
		25	12	22.60	1.00	22.90	22.60	1.00	22.90
		25	25	22.60	1.00	22.90	22.60	1.00	22.90
		50	0	22.63	1.00	22.90	22.63	1.00	22.90
	16QAM	1	0	22.70	1.00	22.90	22.70	1.00	22.90
		1	25	22.57	1.00	22.90	22.57	1.00	22.90
		1	49	21.95	1.00	22.90	21.95	1.00	22.90
		25	0	21.43	2.00	21.90	21.43	2.00	21.90
		25	12	21.73	2.00	21.90	21.73	2.00	21.90
		25	25	21.70	2.00	21.90	21.70	2.00	21.90
		50	0	21.66	2.00	21.90	21.66	2.00	21.90
	64QAM	1	0	21.81	2.00	21.90	21.81	2.00	21.90
		1	25	21.80	2.00	21.90	21.80	2.00	21.90
		1	49	21.80	2.00	21.90	21.80	2.00	21.90
		25	0	20.46	3.00	20.90	20.46	3.00	20.90
		25	12	20.52	3.00	20.90	20.52	3.00	20.90
		25	25	20.72	3.00	20.90	20.72	3.00	20.90
		50	0	20.66	3.00	20.90	20.66	3.00	20.90
	256QAM	1	0	18.66	5.00	18.90	18.66	5.00	18.90
		1	25	18.53	5.00	18.90	18.53	5.00	18.90
		1	49	18.64	5.00	18.90	18.64	5.00	18.90
		25	0	18.42	5.00	18.90	18.42	5.00	18.90
		25	12	18.54	5.00	18.90	18.54	5.00	18.90
		25	25	18.46	5.00	18.90	18.46	5.00	18.90
		50	0	18.41	5.00	18.90	18.41	5.00	18.90

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23330	MPR	Tune-up Limit	23330	MPR	Tune-up Limit
				793 MHz			793 MHz		
5 MHz	QPSK	1	0	23.64	0.00	23.90	23.64	0.00	23.90
		1	12	23.62	0.00	23.90	23.62	0.00	23.90
		1	24	23.49	0.00	23.90	23.49	0.00	23.90
		12	0	22.42	1.00	22.90	22.42	1.00	22.90
		12	7	22.60	1.00	22.90	22.60	1.00	22.90
		12	13	22.66	1.00	22.90	22.66	1.00	22.90
		25	0	22.52	1.00	22.90	22.52	1.00	22.90
	16QAM	1	0	22.68	1.00	22.90	22.68	1.00	22.90
		1	12	21.91	1.00	22.90	21.91	1.00	22.90
		1	24	22.61	1.00	22.90	22.61	1.00	22.90
		12	0	21.68	2.00	21.90	21.68	2.00	21.90
		12	7	21.68	2.00	21.90	21.68	2.00	21.90
		12	13	21.87	2.00	21.90	21.87	2.00	21.90
		25	0	21.45	2.00	21.90	21.45	2.00	21.90
	64QAM	1	0	21.80	2.00	21.90	21.80	2.00	21.90
		1	12	21.84	2.00	21.90	21.84	2.00	21.90
		1	24	21.79	2.00	21.90	21.79	2.00	21.90
		12	0	20.72	3.00	20.90	20.72	3.00	20.90
		12	7	20.75	3.00	20.90	20.75	3.00	20.90
		12	13	20.84	3.00	20.90	20.84	3.00	20.90
		25	0	20.63	3.00	20.90	20.63	3.00	20.90
	256QAM	1	0	18.67	5.00	18.90	18.67	5.00	18.90
		1	12	18.49	5.00	18.90	18.49	5.00	18.90
		1	24	18.46	5.00	18.90	18.46	5.00	18.90
		12	0	18.56	5.00	18.90	18.56	5.00	18.90
		12	7	18.51	5.00	18.90	18.51	5.00	18.90
		12	13	18.53	5.00	18.90	18.53	5.00	18.90
		25	0	18.54	5.00	18.90	18.54	5.00	18.90

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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	25.26	25.26	25.17	0.00	25.70	16.06	16.06	15.97	0.00	16.50
		1	49	25.26	25.30	25.11	0.00	25.70	16.06	16.20	16.00	0.00	16.50
		1	99	25.25	25.22	25.09	0.00	25.70	16.05	16.02	15.89	0.00	16.50
		50	0	24.33	24.28	24.18	1.00	24.70	16.13	16.08	15.98	0.00	16.50
		50	24	24.38	24.40	24.23	1.00	24.70	16.18	16.10	16.03	0.00	16.50
		50	50	24.34	24.29	24.18	1.00	24.70	16.14	16.09	15.98	0.00	16.50
		100	0	24.30	24.30	24.19	1.00	24.70	16.10	15.97	15.99	0.00	16.50
	16QAM	1	0	24.70	24.70	24.62	1.00	24.70	16.10	16.10	16.02	0.00	16.50
		1	49	24.70	24.69	24.58	1.00	24.70	16.10	16.09	15.98	0.00	16.50
		1	99	24.68	24.61	24.54	1.00	24.70	16.08	16.01	15.94	0.00	16.50
		50	0	23.26	23.25	23.16	2.00	23.70	16.06	16.05	15.96	0.00	16.50
		50	24	23.35	23.24	23.21	2.00	23.70	16.15	16.04	16.01	0.00	16.50
		50	50	23.29	23.27	23.17	2.00	23.70	16.09	16.07	15.97	0.00	16.50
		100	0	23.28	23.18	23.19	2.00	23.70	16.08	15.98	15.99	0.00	16.50
	64QAM	1	0	23.46	23.45	23.43	2.00	23.70	15.86	15.85	15.83	0.00	16.50
		1	49	23.53	23.51	23.39	2.00	23.70	15.93	15.91	15.79	0.00	16.50
		1	99	23.50	23.46	23.29	2.00	23.70	15.90	15.86	15.69	0.00	16.50
		50	0	22.32	22.31	22.20	3.00	22.70	15.72	15.71	15.60	0.00	16.50
		50	24	22.40	22.31	22.27	3.00	22.70	15.80	15.71	15.67	0.00	16.50
		50	50	22.34	22.32	22.20	3.00	22.70	15.74	15.72	15.60	0.00	16.50
		100	0	22.28	22.20	22.20	3.00	22.70	15.68	15.60	15.60	0.00	16.50
	256QAM	1	0	20.14	20.07	19.95	5.00	20.70	15.95	15.71	15.71	0.00	16.50
		1	3	19.92	19.91	20.20	5.00	20.70	15.75	15.79	15.89	0.00	16.50
		1	5	19.94	20.02	20.03	5.00	20.70	15.73	15.82	15.80	0.00	16.50
		3	0	20.15	20.09	19.95	5.00	20.70	15.83	15.80	15.88	0.00	16.50
		3	1	20.19	19.93	20.02	5.00	20.70	15.86	15.98	15.72	0.00	16.50
		3	3	20.05	20.06	20.07	5.00	20.70	15.75	15.79	15.74	0.00	16.50
		6	0	20.19	20.06	19.93	5.00	20.70	15.80	15.94	15.97	0.00	16.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26115.00	26365.00	26615.00	MPR	Tune-up Limit	26115.00	26365.00	26615.00	MPR	Tune-up Limit
				1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	QPSK	1	0	25.06	25.29	25.23	0.00	25.70	15.86	16.09	16.03	0.00	16.50
		1	37	25.28	25.26	25.20	0.00	25.70	16.08	16.06	16.00	0.00	16.50
		1	74	25.15	25.25	25.19	0.00	25.70	15.95	16.05	15.99	0.00	16.50
		36	0	24.20	24.20	24.13	1.00	24.70	16.00	16.00	15.93	0.00	16.50
		36	20	24.35	24.27	24.18	1.00	24.70	16.15	16.07	15.98	0.00	16.50
		36	39	24.33	24.31	24.22	1.00	24.70	16.13	16.11	16.02	0.00	16.50
		75	0	24.27	24.15	24.09	1.00	24.70	16.07	15.95	15.89	0.00	16.50
	16QAM	1	0	24.57	24.62	24.58	1.00	24.70	15.97	16.02	15.98	0.00	16.50
		1	37	24.68	24.69	24.57	1.00	24.70	16.08	16.09	15.97	0.00	16.50
		1	74	24.58	24.68	24.67	1.00	24.70	15.98	16.08	16.07	0.00	16.50
		36	0	23.18	23.18	23.09	2.00	23.70	15.98	15.98	15.89	0.00	16.50
		36	20	23.35	23.26	23.14	2.00	23.70	16.15	16.06	15.94	0.00	16.50
		36	39	23.30	23.29	23.21	2.00	23.70	16.10	16.09	16.01	0.00	16.50
		75	0	23.28	23.20	23.13	2.00	23.70	16.08	16.00	15.93	0.00	16.50
	64QAM	1	0	23.59	23.70	23.70	2.00	23.70	15.99	16.10	16.10	0.00	16.50
		1	37	23.70	23.60	23.50	2.00	23.70	16.10	16.00	15.90	0.00	16.50
		1	74	23.70	23.67	23.70	2.00	23.70	16.10	16.07	16.10	0.00	16.50
		36	0	22.23	22.19	22.11	3.00	22.70	16.03	15.99	15.91	0.00	16.50
		36	20	22.36	22.30	22.17	3.00	22.70	16.16	16.10	15.97	0.00	16.50
		36	39	22.34	22.34	22.21	3.00	22.70	16.14	16.14	16.01	0.00	16.50
		75	0	22.33	22.23	22.15	3.00	22.70	16.13	16.03	15.95	0.00	16.50
	256QAM	1	0	20.09	20.16	20.09	5.00	20.70	15.76	15.94	15.87	0.00	16.50
		1	3	19.96	20.16	20.00	5.00	20.70	15.88	15.71	15.81	0.00	16.50
		1	5	20.06	19.90	19.95	5.00	20.70	15.79	15.97	15.72	0.00	16.50
		3	0	19.97	20.05	20.08	5.00	20.70	15.98	15.84	15.84	0.00	16.50
		3	1	20.03	19.90	20.13	5.00	20.70	15.87	15.77	15.80	0.00	16.50
		3	3	19.99	20.16	20.14	5.00	20.70	15.90	15.77	15.86	0.00	16.50
		6	0	20.06	20.05	19.94	5.00	20.70	15.72	15.90	15.71	0.00	16.50

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LTE Band 25 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26090.00	26365.00	26640.00			26090.00	26365.00	26640.00		
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	24.86	24.92	25.00	0.00	25.70	15.66	15.72	15.80	0.00	16.50
		1	25	25.12	25.10	25.07	0.00	25.70	15.92	15.90	15.87	0.00	16.50
		1	49	24.95	24.88	25.04	0.00	25.70	15.75	15.68	15.84	0.00	16.50
		25	0	24.14	24.13	24.05	1.00	24.70	15.94	15.93	15.85	0.00	16.50
		25	12	24.32	24.24	24.13	1.00	24.70	16.12	16.04	15.93	0.00	16.50
		25	25	24.26	24.26	24.15	1.00	24.70	16.06	16.06	15.95	0.00	16.50
		50	0	24.21	24.14	24.08	1.00	24.70	16.01	15.94	15.88	0.00	16.50
	16QAM	1	0	24.08	24.06	24.18	1.00	24.70	15.88	15.86	15.98	0.00	16.50
		1	25	24.21	24.23	24.11	1.00	24.70	16.01	16.03	15.91	0.00	16.50
		1	49	24.04	24.01	24.18	1.00	24.70	15.84	15.81	15.98	0.00	16.50
		25	0	23.24	23.23	23.14	2.00	23.70	16.04	16.03	15.94	0.00	16.50
		25	12	23.40	23.30	23.22	2.00	23.70	16.20	16.10	16.02	0.00	16.50
		25	25	23.37	23.36	23.23	2.00	23.70	16.17	16.16	16.03	0.00	16.50
		50	0	23.25	23.18	23.13	2.00	23.70	16.05	15.98	15.93	0.00	16.50
	64QAM	1	0	23.14	23.11	23.34	2.00	23.70	15.94	15.91	16.14	0.00	16.50
		1	25	23.46	23.38	23.30	2.00	23.70	15.86	15.78	15.70	0.00	16.50
		1	49	23.18	23.10	23.34	2.00	23.70	15.98	15.90	16.14	0.00	16.50
		25	0	22.23	22.19	22.12	3.00	22.70	16.03	15.99	15.92	0.00	16.50
		25	12	22.42	22.28	22.21	3.00	22.70	15.82	16.08	16.01	0.00	16.50
		25	25	22.36	22.31	22.26	3.00	22.70	16.16	16.11	16.06	0.00	16.50
		50	0	22.27	22.15	22.08	3.00	22.70	16.07	15.95	15.88	0.00	16.50
	256QAM	1	0	20.02	19.95	20.20	5.00	20.70	15.92	15.94	15.75	0.00	16.50
		1	3	20.15	19.96	19.98	5.00	20.70	15.92	15.87	15.93	0.00	16.50
		1	5	19.95	20.08	20.00	5.00	20.70	15.98	15.75	15.84	0.00	16.50
		3	0	20.11	19.90	20.17	5.00	20.70	15.83	15.85	15.88	0.00	16.50
		3	1	19.93	19.91	20.17	5.00	20.70	15.82	15.93	15.72	0.00	16.50
		3	3	20.05	20.16	19.98	5.00	20.70	15.77	15.79	15.77	0.00	16.50
		6	0	20.11	20.09	20.06	5.00	20.70	15.88	15.74	15.89	0.00	16.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26065.00	26365.00	26665.00			26065.00	26365.00	26665.00		
				1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	QPSK	1	0	25.16	25.18	25.17	0.00	25.70	15.96	15.98	15.97	0.00	16.50
		1	12	25.26	25.22	25.13	0.00	25.70	16.06	16.02	15.93	0.00	16.50
		1	24	25.31	25.28	25.19	0.00	25.70	16.11	16.08	15.99	0.00	16.50
		12	0	24.24	24.23	24.19	1.00	24.70	16.04	16.03	15.99	0.00	16.50
		12	7	24.36	24.23	24.21	1.00	24.70	16.16	16.03	16.01	0.00	16.50
		12	13	24.35	24.30	24.19	1.00	24.70	16.15	16.10	15.99	0.00	16.50
		25	0	24.32	24.22	24.16	1.00	24.70	16.12	16.02	15.96	0.00	16.50
	16QAM	1	0	24.39	24.30	24.29	1.00	24.70	15.79	15.70	15.69	0.00	16.50
		1	12	24.44	24.41	24.26	1.00	24.70	15.84	15.81	15.66	0.00	16.50
		1	24	24.50	24.46	24.33	1.00	24.70	15.90	15.86	15.73	0.00	16.50
		12	0	23.26	23.28	23.21	2.00	23.70	16.06	16.08	16.01	0.00	16.50
		12	7	23.38	23.28	23.22	2.00	23.70	16.18	16.08	16.02	0.00	16.50
		12	13	23.37	23.33	23.22	2.00	23.70	16.17	16.13	16.02	0.00	16.50
		25	0	23.28	23.16	23.11	2.00	23.70	16.08	15.96	15.91	0.00	16.50
	64QAM	1	0	23.46	23.42	23.47	2.00	23.70	15.86	15.82	15.87	0.00	16.50
		1	12	23.58	23.57	23.44	2.00	23.70	15.98	15.97	15.84	0.00	16.50
		1	24	23.59	23.56	23.47	2.00	23.70	15.99	15.96	15.87	0.00	16.50
		12	0	22.29	22.25	22.22	3.00	22.70	16.09	16.05	16.02	0.00	16.50
		12	7	22.40	22.27	22.28	3.00	22.70	16.20	16.07	16.08	0.00	16.50
		12	13	22.36	22.39	22.28	3.00	22.70	16.16	16.19	16.08	0.00	16.50
		25	0	22.30	22.23	22.21	3.00	22.70	16.10	16.03	16.01	0.00	16.50
	256QAM	1	0	19.92	20.10	20.20	5.00	20.70	15.85	15.83	15.93	0.00	16.50
		1	3	20.08	20.04	20.14	5.00	20.70	15.71	15.73	15.90	0.00	16.50
		1	5	20.10	20.03	20.14	5.00	20.70	15.76	15.84	15.90	0.00	16.50
		3	0	19.92	19.92	20.03	5.00	20.70	15.76	15.71	15.92	0.00	16.50
		3	1	20.12	20.14	20.17	5.00	20.70	15.72	15.96	16.00	0.00	16.50
		3	3	20.07	20.10	20.09	5.00	20.70	15.99	15.92	15.97	0.00	16.50
		6	0	19.97	19.98	20.08	5.00	20.70	15.92	15.87	15.78	0.00	16.50

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LTE Band 25 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26055.00	26365.00	26675.00			26055.00	26365.00	26675.00		
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	25.08	25.08	25.02	0.00	25.70	15.88	15.88	15.82	0.00	16.50
		1	8	25.13	25.14	25.04	0.00	25.70	15.93	15.94	15.84	0.00	16.50
		1	14	25.23	25.18	25.12	0.00	25.70	16.03	15.98	15.92	0.00	16.50
		8	0	24.25	24.17	24.08	1.00	24.70	16.05	15.97	15.88	0.00	16.50
		8	4	24.31	24.28	24.15	1.00	24.70	16.11	16.08	15.95	0.00	16.50
		8	7	24.33	24.30	24.14	1.00	24.70	16.13	16.10	15.94	0.00	16.50
		15	0	24.26	24.19	24.12	1.00	24.70	16.06	15.99	15.92	0.00	16.50
	16QAM	1	0	24.27	24.22	24.14	1.00	24.70	16.07	16.02	15.94	0.00	16.50
		1	8	24.27	24.26	24.16	1.00	24.70	16.07	16.06	15.96	0.00	16.50
		1	14	24.34	24.32	24.21	1.00	24.70	16.14	16.12	16.01	0.00	16.50
		8	0	23.29	23.27	23.11	2.00	23.70	16.09	16.07	15.91	0.00	16.50
		8	4	23.33	23.33	23.16	2.00	23.70	16.13	16.13	15.96	0.00	16.50
		8	7	23.34	23.34	23.18	2.00	23.70	16.14	16.14	15.98	0.00	16.50
		15	0	23.25	23.19	23.07	2.00	23.70	16.05	15.99	15.87	0.00	16.50
	64QAM	1	0	23.41	23.44	23.27	2.00	23.70	15.81	15.84	15.67	0.00	16.50
		1	8	23.45	23.44	23.30	2.00	23.70	15.85	15.84	15.70	0.00	16.50
		1	14	23.51	23.47	23.41	2.00	23.70	15.91	15.87	15.81	0.00	16.50
		8	0	22.24	22.17	22.07	3.00	22.70	16.04	15.97	15.87	0.00	16.50
		8	4	22.24	22.26	22.09	3.00	22.70	16.04	16.06	15.89	0.00	16.50
		8	7	22.27	22.27	22.11	3.00	22.70	16.07	16.07	15.91	0.00	16.50
		15	0	22.32	22.27	22.15	3.00	22.70	16.12	16.07	15.95	0.00	16.50
	256QAM	1	0	20.12	20.17	20.03	5.00	20.70	15.94	15.86	15.86	0.00	16.50
		1	3	20.11	20.17	20.20	5.00	20.70	15.78	15.87	15.94	0.00	16.50
		1	5	20.20	19.96	20.00	5.00	20.70	15.98	15.89	15.91	0.00	16.50
		3	0	20.13	20.15	20.19	5.00	20.70	15.79	15.80	15.94	0.00	16.50
		3	1	19.93	20.00	20.06	5.00	20.70	15.79	15.84	15.95	0.00	16.50
		3	3	20.07	20.04	20.16	5.00	20.70	15.94	15.83	15.72	0.00	16.50
		6	0	20.05	20.01	19.97	5.00	20.70	15.87	15.79	15.78	0.00	16.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26047.00	26365.00	26683.00			26047.00	26365.00	26683.00		
				1850.7 MHz	1882.5 MHz	1914.3 MHz			1850.7 MHz	1882.5 MHz	1914.3 MHz		
1.4 MHz	QPSK	1	0	25.03	25.04	24.94	0.00	25.70	15.83	15.84	15.74	0.00	16.50
		1	3	25.15	25.17	25.02	0.00	25.70	15.95	15.97	15.82	0.00	16.50
		1	5	25.12	25.13	24.98	0.00	25.70	15.92	15.93	15.78	0.00	16.50
		3	0	25.05	25.07	24.95	0.00	25.70	15.85	15.87	15.75	0.00	16.50
		3	1	25.13	25.13	25.02	0.00	25.70	15.93	15.93	15.82	0.00	16.50
		3	3	25.13	25.11	25.06	0.00	25.70	15.93	15.91	15.86	0.00	16.50
		6	0	24.17	24.16	24.08	1.00	24.70	15.97	15.96	15.88	0.00	16.50
	16QAM	1	0	24.18	24.17	24.09	1.00	24.70	15.98	15.97	15.89	0.00	16.50
		1	3	24.24	24.25	24.10	1.00	24.70	16.04	16.05	15.90	0.00	16.50
		1	5	24.23	24.27	24.12	1.00	24.70	16.03	16.07	15.92	0.00	16.50
		3	0	24.34	24.34	24.22	1.00	24.70	15.94	15.94	15.82	0.00	16.50
		3	1	24.42	24.42	24.29	1.00	24.70	16.02	16.02	15.89	0.00	16.50
		3	3	24.41	24.43	24.30	1.00	24.70	16.01	16.03	15.90	0.00	16.50
		6	0	23.34	23.36	23.22	2.00	23.70	15.74	15.76	15.62	0.00	16.50
	64QAM	1	0	23.34	23.32	23.17	2.00	23.70	15.74	15.72	15.57	0.00	16.50
		1	3	23.40	23.38	23.25	2.00	23.70	15.80	15.78	15.65	0.00	16.50
		1	5	23.42	23.30	23.19	2.00	23.70	15.82	15.70	15.59	0.00	16.50
		3	0	23.15	23.32	23.16	2.00	23.70	15.75	15.92	15.76	0.00	16.50
		3	1	23.21	23.37	23.26	2.00	23.70	15.81	15.97	15.86	0.00	16.50
		3	3	23.23	23.36	23.27	2.00	23.70	15.83	15.96	15.87	0.00	16.50
		6	0	22.31	22.48	22.36	3.00	22.70	15.71	15.88	15.76	0.00	16.50
	256QAM	1	0	20.16	20.15	20.17	5.00	20.70	15.75	15.78	15.83	0.00	16.50
		1	3	20.08	20.10	20.17	5.00	20.70	15.77	15.93	15.82	0.00	16.50
		1	5	20.08	20.19	20.09	5.00	20.70	15.96	15.90	15.73	0.00	16.50
		3	0	19.95	20.12	20.07	5.00	20.70	15.75	15.99	15.80	0.00	16.50
		3	1	20.20	20.17	20.15	5.00	20.70	15.70	15.88	15.93	0.00	16.50
		3	3	19.97	20.06	20.18	5.00	20.70	15.85	15.99	16.00	0.00	16.50
		6	0	20.20	19.90	20.12	5.00	20.70	15.76	15.77	15.88	0.00	16.50

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LTE Band 25 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26140	26365	26590	MPR	Tune-up Limit	26140	26365	26590	MPR	Tune-up Limit
				1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	QPSK	1	0	19.21	19.15	19.08	0.00	20.00	19.78	19.71	19.65	0.00	20.25
		1	49	19.25	19.25	19.25	0.00	20.00	19.90	19.90	19.90	0.00	20.25
		1	99	19.14	19.05	19.00	0.00	20.00	19.70	19.61	19.56	0.00	20.25
		50	0	19.10	19.15	19.03	0.00	20.00	19.85	19.70	19.66	0.00	20.25
		50	24	19.25	19.25	19.25	0.00	20.00	19.90	19.90	19.90	0.00	20.25
		50	50	19.22	19.15	19.07	0.00	20.00	19.79	19.70	19.64	0.00	20.25
		100	0	19.16	19.25	19.00	0.00	20.00	19.73	19.65	19.55	0.00	20.25
	16QAM	1	0	19.12	19.11	19.12	0.00	20.00	19.83	19.76	19.80	0.00	20.25
		1	49	19.05	19.07	19.13	0.00	20.00	19.73	19.73	19.83	0.00	20.25
		1	99	19.15	19.00	19.17	0.00	20.00	19.78	19.66	19.73	0.00	20.25
		50	0	19.00	19.12	19.11	0.00	20.00	19.88	19.68	19.70	0.00	20.25
		50	24	19.00	19.18	19.08	0.00	20.00	19.87	19.74	19.67	0.00	20.25
		50	50	19.25	19.13	19.12	0.00	20.00	19.81	19.67	19.67	0.00	20.25
		100	0	19.19	19.10	19.01	0.00	20.00	19.74	19.65	19.60	0.00	20.25
	64QAM	1	0	19.04	19.04	19.04	0.00	20.00	19.78	19.71	19.75	0.00	20.25
		1	49	19.22	19.25	19.05	0.00	20.00	19.68	19.68	19.78	0.00	20.25
		1	99	19.07	19.18	19.10	0.00	20.00	19.73	19.61	19.68	0.00	20.25
		50	0	19.24	19.05	19.03	0.00	20.00	19.73	19.52	19.54	0.15	20.10
		50	24	19.23	19.10	19.00	0.00	20.00	19.71	19.59	19.51	0.15	20.10
		50	50	19.17	19.05	19.04	0.00	20.00	19.65	19.51	19.52	0.15	20.10
		100	0	19.11	19.03	19.00	0.00	20.00	19.58	19.50	19.45	0.15	20.10
	256QAM	1	0	17.42	17.34	17.33	1.90	18.10	17.75	17.88	17.79	2.15	18.10
		1	49	17.43	17.41	17.32	1.90	18.10	17.94	17.70	17.95	2.15	18.10
		1	99	17.35	17.32	17.50	1.90	18.10	17.95	17.90	17.71	2.15	18.10
		50	0	17.42	17.35	17.41	1.90	18.10	17.83	17.72	18.00	2.15	18.10
		50	24	17.48	17.29	17.35	1.90	18.10	17.99	17.75	17.80	2.15	18.10
		50	50	17.32	17.42	17.42	1.90	18.10	17.93	17.71	17.84	2.15	18.10
		100	0	17.26	17.36	17.44	1.90	18.10	17.95	17.98	18.00	2.15	18.10
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26115	26365	26615	MPR	Tune-up Limit	26115	26365	26615	MPR	Tune-up Limit
				1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	QPSK	1	0	19.00	19.16	19.07	0.00	20.00	19.54	19.73	19.63	0.00	20.25
		1	37	19.16	19.13	19.03	0.00	20.00	19.75	19.68	19.60	0.00	20.25
		1	74	19.05	19.09	19.02	0.00	20.00	19.60	19.65	19.60	0.00	20.25
		36	0	19.11	19.04	19.00	0.00	20.00	19.69	19.61	19.55	0.00	20.25
		36	20	19.20	19.11	19.11	0.00	20.00	19.86	19.67	19.65	0.00	20.25
		36	39	19.20	19.17	19.16	0.00	20.00	19.85	19.75	19.72	0.00	20.25
		75	0	19.20	19.13	19.09	0.00	20.00	19.78	19.70	19.59	0.00	20.25
	16QAM	1	0	19.17	19.12	19.09	0.00	20.00	19.58	19.79	19.25	0.00	20.25
		1	37	19.14	19.06	19.12	0.00	20.00	19.81	19.72	19.27	0.00	20.25
		1	74	19.24	19.03	19.20	0.00	20.00	19.66	19.72	19.26	0.00	20.25
		36	0	19.19	19.04	19.00	0.00	20.00	19.74	19.60	19.58	0.00	20.25
		36	20	19.10	19.13	19.09	0.00	20.00	19.93	19.67	19.62	0.00	20.25
		36	39	19.06	19.16	19.15	0.00	20.00	19.89	19.73	19.71	0.00	20.25
		75	0	19.01	19.17	19.07	0.00	20.00	19.82	19.71	19.58	0.00	20.25
	64QAM	1	0	19.10	19.20	19.02	0.00	20.00	19.53	19.74	19.25	0.00	20.25
		1	37	19.07	19.00	19.05	0.00	20.00	19.76	19.67	19.25	0.00	20.25
		1	74	19.16	19.21	19.13	0.00	20.00	19.61	19.67	19.25	0.00	20.25
		36	0	19.11	19.00	19.00	0.00	20.00	19.59	19.45	19.42	0.15	20.10
		36	20	19.27	19.05	19.02	0.00	20.00	19.77	19.52	19.47	0.15	20.10
		36	39	19.24	19.08	19.07	0.00	20.00	19.74	19.58	19.56	0.15	20.10
		75	0	19.19	19.09	19.00	0.00	20.00	19.67	19.55	19.43	0.15	20.10
	256QAM	1	0	17.43	17.36	17.45	1.90	18.10	17.75	17.88	17.79	2.15	18.10
		1	37	17.44	17.37	17.49	1.90	18.10	17.94	17.70	17.95	2.15	18.10
		1	74	17.29	17.39	17.40	1.90	18.10	17.95	17.90	17.71	2.15	18.10
		36	0	17.24	17.36	17.26	1.90	18.10	17.83	17.72	18.00	2.15	18.10
		36	20	17.30	17.46	17.30	1.90	18.10	17.99	17.75	17.80	2.15	18.10
		36	39	17.49	17.38	17.48	1.90	18.10	17.93	17.71	17.84	2.15	18.10
		75	0	17.36	17.23	17.35	1.90	18.10	17.95	17.98	18.00	2.15	18.10

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LTE Band 25 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26090	26365	26640			26090	26365	26640		
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	19.00	19.00	19.01	0.00	20.00	19.53	19.34	19.56	0.00	20.25
		1	25	19.07	19.02	19.00	0.00	20.00	19.71	19.57	19.53	0.00	20.25
		1	49	19.00	19.00	19.04	0.00	20.00	19.45	19.26	19.59	0.00	20.25
		25	0	19.17	19.04	19.00	0.00	20.00	19.75	19.56	19.53	0.00	20.25
		25	12	19.25	19.18	19.06	0.00	20.00	19.82	19.73	19.58	0.00	20.25
		25	25	19.18	19.12	19.08	0.00	20.00	19.77	19.66	19.62	0.00	20.25
		50	0	19.17	19.10	19.00	0.00	20.00	19.75	19.65	19.55	0.00	20.25
	16QAM	1	0	19.00	19.00	19.49	0.00	20.00	19.91	19.48	19.57	0.00	20.25
		1	25	19.17	19.02	19.46	0.00	20.00	19.90	19.64	19.52	0.00	20.25
		1	49	19.00	19.00	19.51	0.00	20.00	19.89	19.45	19.59	0.00	20.25
		25	0	19.27	19.05	19.00	0.00	20.00	19.82	19.69	19.54	0.00	20.25
		25	12	19.37	19.19	19.09	0.00	20.00	19.87	19.85	19.60	0.00	20.25
		25	25	19.31	19.16	19.10	0.00	20.00	19.81	19.78	19.65	0.00	20.25
		50	0	19.22	19.09	19.00	0.00	20.00	19.80	19.70	19.51	0.00	20.25
	64QAM	1	0	19.00	19.00	19.41	0.00	20.00	19.86	19.43	19.52	0.00	20.25
		1	25	19.09	19.00	19.38	0.00	20.00	19.66	19.59	19.47	0.00	20.25
		1	49	19.00	19.00	19.44	0.00	20.00	19.84	19.40	19.54	0.00	20.25
		25	0	19.19	19.00	19.00	0.00	20.00	19.66	19.53	19.38	0.15	20.10
		25	12	19.29	19.11	19.02	0.00	20.00	19.72	19.70	19.45	0.15	20.10
		25	25	19.24	19.08	19.02	0.00	20.00	19.66	19.63	19.50	0.15	20.10
		50	0	19.14	19.01	19.00	0.00	20.00	19.64	19.54	19.35	0.15	20.10
	256QAM	1	0	17.43	17.36	17.45	1.90	18.10	17.75	17.88	17.79	2.15	18.10
		1	25	17.44	17.37	17.49	1.90	18.10	17.94	17.70	17.95	2.15	18.10
		1	49	17.29	17.39	17.40	1.90	18.10	17.95	17.90	17.71	2.15	18.10
		25	0	17.24	17.36	17.26	1.90	18.10	17.83	17.72	18.00	2.15	18.10
		25	12	17.30	17.46	17.30	1.90	18.10	17.99	17.75	17.80	2.15	18.10
		25	25	17.49	17.38	17.48	1.90	18.10	17.93	17.71	17.84	2.15	18.10
		50	0	17.36	17.23	17.35	1.90	18.10	17.95	17.98	18.00	2.15	18.10

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26065	26365	26665			26065	26365	26665		
				1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	QPSK	1	0	19.12	19.07	19.00	0.00	20.00	19.63	19.57	19.67	0.00	20.25
		1	12	19.19	19.14	19.00	0.00	20.00	19.69	19.65	19.66	0.00	20.25
		1	24	19.24	19.21	19.03	0.00	20.00	19.73	19.71	19.71	0.00	20.25
		12	0	19.23	19.03	19.02	0.00	20.00	19.78	19.63	19.59	0.00	20.25
		12	7	19.10	19.13	19.09	0.00	20.00	19.83	19.72	19.67	0.00	20.25
		12	13	19.10	19.15	19.11	0.00	20.00	19.83	19.74	19.68	0.00	20.25
		25	0	19.10	19.16	19.11	0.00	20.00	19.82	19.73	19.67	0.00	20.25
	16QAM	1	0	19.13	19.06	19.12	0.00	20.00	19.84	19.37	19.37	0.00	20.25
		1	12	19.16	19.07	19.14	0.00	20.00	19.78	19.40	19.37	0.00	20.25
		1	24	19.21	19.12	19.23	0.00	20.00	19.82	19.49	19.48	0.00	20.25
		12	0	19.10	19.00	19.00	0.00	20.00	19.93	19.70	19.68	0.00	20.25
		12	7	19.14	19.04	19.05	0.00	20.00	19.98	19.78	19.77	0.00	20.25
		12	13	19.12	19.06	19.07	0.00	20.00	19.98	19.78	19.79	0.00	20.25
		25	0	19.03	19.00	19.00	0.00	20.00	19.89	19.68	19.70	0.00	20.25
	64QAM	1	0	19.00	19.00	19.24	0.00	20.00	19.79	19.32	19.32	0.00	20.25
		1	12	19.03	19.00	19.20	0.00	20.00	19.73	19.35	19.32	0.00	20.25
		1	24	19.08	19.00	19.20	0.00	20.00	19.77	19.44	19.43	0.00	20.25
		12	0	19.23	19.07	19.09	0.00	20.00	19.78	19.55	19.53	0.15	20.10
		12	7	19.10	19.16	19.18	0.00	20.00	19.82	19.63	19.62	0.15	20.10
		12	13	19.25	19.18	19.20	0.00	20.00	19.82	19.63	19.63	0.15	20.10
		25	0	19.15	19.11	19.08	0.00	20.00	19.73	19.53	19.54	0.15	20.10
	256QAM	1	0	17.43	17.36	17.45	1.90	18.10	17.75	17.88	17.79	2.15	18.10
		1	12	17.44	17.37	17.49	1.90	18.10	17.94	17.70	17.95	2.15	18.10
		1	24	17.29	17.39	17.40	1.90	18.10	17.95	17.90	17.71	2.15	18.10
		12	0	17.24	17.36	17.26	1.90	18.10	17.83	17.72	18.00	2.15	18.10
		12	7	17.30	17.46	17.30	1.90	18.10	17.99	17.75	17.80	2.15	18.10
		12	13	17.49	17.38	17.48	1.90	18.10	17.93	17.71	17.84	2.15	18.10
		25	0	17.36	17.23	17.35	1.90	18.10	17.95	17.98	18.00	2.15	18.10

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LTE Band 25 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26055	26365	26675			26055	26365	26675		
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	19.12	19.01	19.00	0.00	20.00	19.74	19.56	19.54	0.00	20.25
		1	8	19.07	19.00	19.02	0.00	20.00	19.72	19.54	19.53	0.00	20.25
		1	14	19.13	19.10	19.09	0.00	20.00	19.76	19.60	19.64	0.00	20.25
		8	0	19.22	19.11	19.06	0.00	20.00	19.76	19.68	19.65	0.00	20.25
		8	4	19.24	19.13	19.06	0.00	20.00	19.80	19.69	19.70	0.00	20.25
		8	7	19.10	19.16	19.11	0.00	20.00	19.81	19.72	19.72	0.00	20.25
		15	0	19.24	19.15	19.10	0.00	20.00	19.81	19.68	19.67	0.00	20.25
	16QAM	1	0	19.10	19.07	19.19	0.00	20.00	19.72	19.34	19.25	0.00	20.25
		1	8	19.20	19.01	19.11	0.00	20.00	19.74	19.26	19.25	0.00	20.25
		1	14	19.10	19.10	19.18	0.00	20.00	19.84	19.35	19.32	0.00	20.25
		8	0	19.25	19.21	19.14	0.00	20.00	19.87	19.73	19.76	0.00	20.25
		8	4	19.00	19.00	19.00	0.00	20.00	19.89	19.76	19.80	0.00	20.25
		8	7	19.00	19.00	19.00	0.00	20.00	19.92	19.79	19.82	0.00	20.25
		15	0	19.23	19.14	19.15	0.00	20.00	19.84	19.67	19.76	0.00	20.25
	64QAM	1	0	19.20	19.00	19.12	0.00	20.00	19.67	19.69	19.51	0.00	20.25
		1	8	19.12	19.00	19.03	0.00	20.00	19.69	19.61	19.46	0.00	20.25
		1	14	19.22	19.02	19.11	0.00	20.00	19.79	19.70	19.67	0.00	20.25
		8	0	19.18	19.13	19.06	0.00	20.00	19.71	19.57	19.61	0.15	20.10
		8	4	19.23	19.19	19.09	0.00	20.00	19.74	19.61	19.64	0.15	20.10
		8	7	19.26	19.19	19.14	0.00	20.00	19.77	19.64	19.67	0.15	20.10
		15	0	19.16	19.06	19.08	0.00	20.00	19.69	19.52	19.60	0.15	20.10
	256QAM	1	0	17.43	17.36	17.45	1.90	18.10	17.75	17.88	17.79	2.15	18.10
		1	8	17.44	17.37	17.49	1.90	18.10	17.94	17.70	17.95	2.15	18.10
		1	14	17.29	17.39	17.40	1.90	18.10	17.95	17.90	17.71	2.15	18.10
		8	0	17.24	17.36	17.26	1.90	18.10	17.83	17.72	18.00	2.15	18.10
		8	4	17.30	17.46	17.30	1.90	18.10	17.99	17.75	17.80	2.15	18.10
		8	7	17.49	17.38	17.48	1.90	18.10	17.93	17.71	17.84	2.15	18.10
		15	0	17.36	17.23	17.35	1.90	18.10	17.95	17.98	18.00	2.15	18.10

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26047	26365	26683			26047	26365	26683		
				1850.7 MHz	1882.5 MHz	1914.3 MHz			1850.7 MHz	1882.5 MHz	1914.3 MHz		
1.4 MHz	QPSK	1	0	19.02	19.00	19.00	0.00	20.00	19.60	19.56	19.52	0.00	20.25
		1	3	19.07	19.03	19.00	0.00	20.00	19.68	19.62	19.53	0.00	20.25
		1	5	19.07	19.01	19.00	0.00	20.00	19.61	19.60	19.52	0.00	20.25
		3	0	19.01	19.00	19.00	0.00	20.00	19.62	19.52	19.53	0.00	20.25
		3	1	19.07	19.00	19.00	0.00	20.00	19.66	19.57	19.57	0.00	20.25
		3	3	19.09	19.00	19.00	0.00	20.00	19.67	19.57	19.58	0.00	20.25
		6	0	19.13	19.03	19.01	0.00	20.00	19.74	19.60	19.58	0.00	20.25
	16QAM	1	0	19.15	19.15	19.11	0.00	20.00	19.35	19.34	19.60	0.00	20.25
		1	3	19.20	19.23	19.11	0.00	20.00	19.38	19.39	19.58	0.00	20.25
		1	5	19.19	19.18	19.11	0.00	20.00	19.40	19.33	19.57	0.00	20.25
		3	0	19.20	19.10	19.17	0.00	20.00	19.48	19.25	19.39	0.00	20.25
		3	1	19.20	19.13	19.22	0.00	20.00	19.55	19.32	19.42	0.00	20.25
		3	3	19.20	19.13	19.25	0.00	20.00	19.56	19.31	19.39	0.00	20.25
		6	0	19.20	19.19	19.00	0.00	20.00	19.50	19.37	19.25	0.00	20.25
	64QAM	1	0	19.07	19.07	19.34	0.00	20.00	19.70	19.69	19.95	0.00	20.25
		1	3	19.12	19.15	19.39	0.00	20.00	19.73	19.74	19.93	0.00	20.25
		1	5	19.11	19.10	19.33	0.00	20.00	19.75	19.68	19.92	0.00	20.25
		3	0	19.22	19.02	19.10	0.00	20.00	19.73	19.49	19.64	0.15	20.10
		3	1	19.11	19.06	19.14	0.00	20.00	19.80	19.57	19.67	0.15	20.10
		3	3	19.11	19.05	19.17	0.00	20.00	19.81	19.56	19.64	0.15	20.10
		6	0	19.24	19.11	19.00	0.00	20.00	19.75	19.61	19.33	0.15	20.10
	256QAM	1	0	17.43	17.36	17.45	1.90	18.10	17.75	17.88	17.79	2.15	18.10
		1	3	17.44	17.37	17.49	1.90	18.10	17.94	17.70	17.95	2.15	18.10
		1	5	17.29	17.39	17.40	1.90	18.10	17.95	17.90	17.71	2.15	18.10
		3	0	17.24	17.36	17.26	1.90	18.10	17.83	17.72	18.00	2.15	18.10
		3	1	17.30	17.46	17.30	1.90	18.10	17.99	17.75	17.80	2.15	18.10
		3	3	17.49	17.38	17.48	1.90	18.10	17.93	17.71	17.84	2.15	18.10
		6	0	17.36	17.23	17.35	1.90	18.10	17.95	17.98	18.00	2.15	18.10

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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	24.18	24.18	24.19	0.00	24.70	18.88	18.90	18.91	0.00	19.50
		1	49	24.30	24.30	24.30	0.00	24.70	19.00	19.00	19.00	0.00	19.50
		1	99	24.11	24.13	24.16	0.00	24.70	18.83	18.81	18.86	0.00	19.50
		50	0	23.19	23.18	23.19	1.00	23.70	18.91	18.88	18.93	0.00	19.50
		50	24	23.30	23.30	23.30	1.00	23.70	19.00	19.00	19.00	0.00	19.50
		50	50	23.21	23.19	23.23	1.00	23.70	18.91	18.91	18.92	0.00	19.50
		100	0	23.17	23.30	23.11	1.00	23.70	18.85	19.00	18.81	0.00	19.50
	16QAM	1	0	23.64	23.60	23.65	1.00	23.70	18.80	18.80	18.82	0.00	19.50
		1	49	23.59	23.58	23.63	1.00	23.70	18.78	18.75	18.80	0.00	19.50
		1	99	23.57	23.55	23.60	1.00	23.70	18.70	18.72	18.74	0.00	19.50
		50	0	22.14	22.15	22.16	2.00	22.70	18.89	18.89	18.90	0.00	19.50
		50	24	22.22	22.13	22.18	2.00	22.70	18.94	18.88	18.90	0.00	19.50
		50	50	22.17	22.16	22.21	2.00	22.70	18.90	18.88	18.92	0.00	19.50
		100	0	22.15	22.14	22.11	2.00	22.70	18.89	18.89	18.82	0.00	19.50
	64QAM	1	0	22.40	22.41	22.41	2.00	22.70	18.90	18.86	18.91	0.00	19.50
		1	49	22.42	22.32	22.42	2.00	22.70	18.93	18.80	18.91	0.00	19.50
		1	99	22.37	22.38	22.43	2.00	22.70	18.88	18.84	18.89	0.00	19.50
		50	0	21.22	21.21	21.22	3.00	21.70	18.97	18.92	18.95	0.00	19.50
		50	24	21.31	21.20	21.23	3.00	21.70	19.04	18.92	18.94	0.00	19.50
		50	50	21.26	21.25	21.28	3.00	21.70	18.98	18.97	18.96	0.00	19.50
		100	0	21.17	21.18	21.14	3.00	21.70	18.93	18.89	18.85	0.00	19.50
	256QAM	1	0	19.06	18.87	19.09	5.00	19.70	18.94	18.75	18.79	0.00	19.50
		1	49	19.03	18.98	18.95	5.00	19.70	18.82	18.81	18.87	0.00	19.50
		1	99	18.88	18.82	18.96	5.00	19.70	18.78	18.72	18.98	0.00	19.50
		50	0	18.93	19.01	18.81	5.00	19.70	18.74	18.85	18.71	0.00	19.50
		50	24	19.07	18.96	18.90	5.00	19.70	18.79	18.91	18.96	0.00	19.50
		50	50	18.98	18.91	18.92	5.00	19.70	18.79	18.99	18.95	0.00	19.50
		100	0	19.07	19.09	18.95	5.00	19.70	18.75	18.73	18.78	0.00	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26115	26365	26615	MPR	Tune-up Limit	26115	26365	26615	MPR	Tune-up Limit
				1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	QPSK	1	0	23.96	24.21	24.23	0.00	24.70	18.67	18.94	18.94	0.00	19.50
		1	37	24.20	24.17	24.23	0.00	24.70	18.90	18.92	18.91	0.00	19.50
		1	74	24.04	24.15	24.21	0.00	24.70	18.75	18.88	18.89	0.00	19.50
		36	0	23.08	23.05	23.10	1.00	23.70	18.79	18.80	18.82	0.00	19.50
		36	20	23.27	23.14	23.27	1.00	23.70	18.99	18.89	19.00	0.00	19.50
		36	39	23.24	23.19	23.27	1.00	23.70	18.96	18.93	18.98	0.00	19.50
		75	0	23.15	23.02	23.24	1.00	23.70	18.87	18.78	18.97	0.00	19.50
	16QAM	1	0	22.98	23.14	23.20	1.00	23.70	18.80	18.91	19.00	0.00	19.50
		1	37	23.29	23.18	23.21	1.00	23.70	18.95	18.93	18.98	0.00	19.50
		1	74	23.16	23.22	23.29	1.00	23.70	18.83	18.97	19.14	0.00	19.50
		36	0	22.08	22.04	22.07	2.00	22.70	18.79	18.80	18.83	0.00	19.50
		36	20	22.23	22.14	22.26	2.00	22.70	19.00	18.89	19.00	0.00	19.50
		36	39	22.19	22.17	22.24	2.00	22.70	18.93	18.91	18.96	0.00	19.50
		75	0	22.17	22.08	22.21	2.00	22.70	18.92	18.81	18.95	0.00	19.50
	64QAM	1	0	22.24	22.46	22.43	2.00	22.70	18.70	18.85	18.96	0.00	19.50
		1	37	22.49	22.47	22.49	2.00	22.70	19.00	18.91	18.95	0.00	19.50
		1	74	22.38	22.47	22.53	2.00	22.70	18.79	18.91	18.99	0.00	19.50
		36	0	21.10	21.09	21.12	3.00	21.70	18.85	18.82	18.86	0.00	19.50
		36	20	21.27	21.17	21.29	3.00	21.70	19.03	18.92	19.02	0.00	19.50
		36	39	21.23	21.21	21.27	3.00	21.70	18.98	18.95	19.02	0.00	19.50
		75	0	21.23	21.13	21.25	3.00	21.70	19.00	18.87	18.98	0.00	19.50
	256QAM	1	0	18.96	18.91	18.99	5.00	19.70	18.84	18.97	18.97	0.00	19.50
		1	37	18.83	18.96	19.04	5.00	19.70	18.82	18.94	19.00	0.00	19.50
		1	74	18.88	18.83	18.89	5.00	19.70	18.82	18.86	18.94	0.00	19.50
		36	0	18.89	19.09	18.92	5.00	19.70	18.97	18.99	18.85	0.00	19.50
		36	20	19.04	18.90	19.01	5.00	19.70	18.95	18.98	18.71	0.00	19.50
		36	39	18.85	19.00	18.90	5.00	19.70	18.87	18.86	18.94	0.00	19.50
		75	0	18.92	18.91	19.02	5.00	19.70	18.76	18.73	18.78	0.00	19.50

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LTE Band 25 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26090	26365	26640			26090	26365	26640		
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	23.80	23.79	24.04	0.00	24.70	18.52	18.53	18.83	0.00	19.50
		1	25	24.08	24.01	24.10	0.00	24.70	18.76	18.70	18.85	0.00	19.50
		1	49	23.83	23.80	24.10	0.00	24.70	18.52	18.51	18.81	0.00	19.50
		25	0	23.06	23.03	23.08	1.00	23.70	18.79	18.78	18.84	0.00	19.50
		25	12	23.23	23.13	23.16	1.00	23.70	18.96	18.87	18.93	0.00	19.50
		25	25	23.15	23.14	23.19	1.00	23.70	18.89	18.88	18.96	0.00	19.50
		50	0	23.15	23.05	23.08	1.00	23.70	18.87	18.78	18.87	0.00	19.50
	16QAM	1	0	22.96	22.93	23.23	1.00	23.70	18.66	18.69	18.97	0.00	19.50
		1	25	23.16	23.09	23.19	1.00	23.70	18.87	18.84	18.89	0.00	19.50
		1	49	22.93	22.92	23.22	1.00	23.70	18.66	18.66	18.92	0.00	19.50
		25	0	22.16	22.14	22.15	2.00	22.70	18.89	18.89	18.93	0.00	19.50
		25	12	22.32	22.21	22.27	2.00	22.70	19.00	19.00	19.00	0.00	19.50
		25	25	22.27	22.24	22.30	2.00	22.70	18.97	18.99	19.00	0.00	19.50
		50	0	22.16	22.08	22.13	2.00	22.70	18.89	18.84	18.90	0.00	19.50
	64QAM	1	0	22.07	22.07	22.42	2.00	22.70	18.77	18.78	19.00	0.00	19.50
		1	25	22.34	22.27	22.38	2.00	22.70	19.00	19.00	19.00	0.00	19.50
		1	49	22.08	22.07	22.41	2.00	22.70	18.75	18.79	19.00	0.00	19.50
		25	0	21.16	21.13	21.17	3.00	21.70	18.89	18.87	18.94	0.00	19.50
		25	12	21.31	21.23	21.25	3.00	21.70	19.00	18.95	19.00	0.00	19.50
		25	25	21.26	21.24	21.30	3.00	21.70	18.99	18.99	19.00	0.00	19.50
		50	0	21.17	21.08	21.12	3.00	21.70	18.90	18.81	18.91	0.00	19.50
	256QAM	1	0	19.06	18.97	19.00	5.00	19.70	18.94	18.79	18.78	0.00	19.50
		1	25	19.06	19.01	19.03	5.00	19.70	18.89	18.99	18.76	0.00	19.50
		1	49	18.96	18.99	18.86	5.00	19.70	18.86	18.81	18.98	0.00	19.50
		25	0	18.87	18.93	18.99	5.00	19.70	18.94	18.98	18.93	0.00	19.50
		25	12	19.05	18.91	19.00	5.00	19.70	18.94	18.88	18.80	0.00	19.50
		25	25	18.96	18.89	19.03	5.00	19.70	18.77	18.91	18.70	0.00	19.50
		50	0	19.09	18.94	18.97	5.00	19.70	18.92	18.82	18.99	0.00	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26065	26365	26665			26065	26365	26665		
				1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	QPSK	1	0	24.11	24.05	24.16	0.00	24.70	18.78	18.76	18.90	0.00	19.50
		1	12	24.17	24.16	24.22	0.00	24.70	18.90	18.84	18.98	0.00	19.50
		1	24	24.24	24.18	24.27	0.00	24.70	18.91	18.94	18.99	0.00	19.50
		12	0	23.21	23.13	23.15	1.00	23.70	18.93	18.85	18.90	0.00	19.50
		12	7	23.23	23.15	23.21	1.00	23.70	18.99	18.89	18.93	0.00	19.50
		12	13	23.26	23.20	23.28	1.00	23.70	18.96	18.94	19.00	0.00	19.50
		25	0	23.22	23.14	23.17	1.00	23.70	18.93	18.87	18.92	0.00	19.50
	16QAM	1	0	23.09	23.03	23.16	1.00	23.70	18.97	18.94	19.00	0.00	19.50
		1	12	23.19	23.13	23.20	1.00	23.70	19.00	18.99	19.00	0.00	19.50
		1	24	23.21	23.17	23.23	1.00	23.70	19.00	19.00	19.00	0.00	19.50
		12	0	22.25	22.19	22.21	2.00	22.70	18.99	18.93	18.93	0.00	19.50
		12	7	22.28	22.21	22.30	2.00	22.70	19.00	18.96	18.98	0.00	19.50
		12	13	22.28	22.27	22.34	2.00	22.70	19.00	19.00	19.00	0.00	19.50
		25	0	22.15	22.06	22.17	2.00	22.70	18.91	18.85	18.84	0.00	19.50
	64QAM	1	0	22.39	22.35	22.48	2.00	22.70	18.85	18.83	18.97	0.00	19.50
		1	12	22.52	22.49	22.57	2.00	22.70	18.93	18.93	18.96	0.00	19.50
		1	24	22.52	22.52	22.56	2.00	22.70	18.97	18.96	18.99	0.00	19.50
		12	0	21.27	21.16	21.24	3.00	21.70	18.98	18.90	18.97	0.00	19.50
		12	7	21.30	21.21	21.32	3.00	21.70	19.00	18.96	19.00	0.00	19.50
		12	13	21.31	21.26	21.32	3.00	21.70	19.00	19.00	19.00	0.00	19.50
		25	0	21.22	21.13	21.23	3.00	21.70	18.96	18.88	18.98	0.00	19.50
	256QAM	1	0	18.93	18.96	18.92	5.00	19.70	18.82	18.77	18.90	0.00	19.50
		1	12	18.81	18.90	18.88	5.00	19.70	18.95	18.84	18.77	0.00	19.50
		1	24	18.96	18.80	18.99	5.00	19.70	18.77	18.72	18.97	0.00	19.50
		12	0	18.91	18.85	19.01	5.00	19.70	18.98	18.96	18.72	0.00	19.50
		12	7	19.07	18.85	18.92	5.00	19.70	18.80	18.74	18.99	0.00	19.50
		12	13	19.08	18.88	18.94	5.00	19.70	18.97	18.88	18.73	0.00	19.50
		25	0	19.10	18.94	18.81	5.00	19.70	18.86	18.72	18.99	0.00	19.50

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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	24.05	23.98	24.08	0.00	24.70	18.75	18.74	18.80	0.00	19.50
		1	8	24.04	24.02	24.10	0.00	24.70	18.77	18.74	18.84	0.00	19.50
		1	14	24.16	24.10	24.19	0.00	24.70	18.87	18.87	18.92	0.00	19.50
		8	0	23.15	23.09	23.16	1.00	23.70	18.91	18.82	18.90	0.00	19.50
		8	4	23.19	23.12	23.19	1.00	23.70	18.93	18.86	18.98	0.00	19.50
		8	7	23.23	23.15	23.21	1.00	23.70	18.95	18.87	18.97	0.00	19.50
		15	0	23.22	23.09	23.20	1.00	23.70	18.91	18.85	18.93	0.00	19.50
	16QAM	1	0	23.21	23.15	23.25	1.00	23.70	18.90	18.87	18.94	0.00	19.50
		1	8	23.16	23.15	23.24	1.00	23.70	18.89	18.88	19.00	0.00	19.50
		1	14	23.24	23.22	23.34	1.00	23.70	18.99	18.96	19.00	0.00	19.50
		8	0	22.21	22.11	22.18	2.00	22.70	18.94	18.88	18.93	0.00	19.50
		8	4	22.26	22.16	22.25	2.00	22.70	19.00	18.92	18.98	0.00	19.50
		8	7	22.29	22.21	22.26	2.00	22.70	19.00	18.93	18.98	0.00	19.50
		15	0	22.15	22.08	22.15	2.00	22.70	18.90	18.84	18.88	0.00	19.50
	64QAM	1	0	22.34	22.33	22.40	2.00	22.70	18.84	18.82	18.89	0.00	19.50
		1	8	22.37	22.35	22.35	2.00	22.70	18.84	18.81	18.98	0.00	19.50
		1	14	22.42	22.42	22.48	2.00	22.70	18.91	18.89	18.99	0.00	19.50
		8	0	21.16	21.07	21.11	3.00	21.70	18.92	18.78	18.88	0.00	19.50
		8	4	21.18	21.12	21.19	3.00	21.70	18.95	18.83	18.95	0.00	19.50
		8	7	21.18	21.10	21.19	3.00	21.70	18.97	18.86	18.98	0.00	19.50
		15	0	21.22	21.20	21.24	3.00	21.70	19.00	18.92	19.00	0.00	19.50
	256QAM	1	0	18.81	18.96	19.06	5.00	19.70	18.88	18.73	18.91	0.00	19.50
		1	8	19.06	18.95	19.00	5.00	19.70	18.79	18.93	18.92	0.00	19.50
		1	14	18.95	19.06	18.81	5.00	19.70	18.85	18.79	18.75	0.00	19.50
		8	0	18.99	18.95	19.00	5.00	19.70	18.85	19.00	18.76	0.00	19.50
		8	4	18.98	18.85	18.81	5.00	19.70	18.96	18.88	18.77	0.00	19.50
		8	7	19.01	18.97	18.98	5.00	19.70	18.87	18.98	18.77	0.00	19.50
		15	0	19.06	19.07	19.04	5.00	19.70	18.76	18.94	18.78	0.00	19.50

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	23.98	23.91	24.06	0.00	24.70	18.81	18.65	18.78	0.00	19.50
		1	3	24.05	23.99	24.12	0.00	24.70	18.88	18.74	18.85	0.00	19.50
		1	5	24.00	24.00	24.10	0.00	24.70	18.82	18.75	18.82	0.00	19.50
		3	0	23.98	23.90	24.07	0.00	24.70	18.74	18.67	18.74	0.00	19.50
		3	1	24.04	23.97	24.13	0.00	24.70	18.80	18.72	18.81	0.00	19.50
		3	3	24.06	23.98	24.21	0.00	24.70	18.81	18.74	18.83	0.00	19.50
		6	0	23.11	23.04	23.13	1.00	23.70	18.86	18.77	18.90	0.00	19.50
	16QAM	1	0	23.15	23.00	23.19	1.00	23.70	18.96	18.79	18.90	0.00	19.50
		1	3	23.16	23.09	23.22	1.00	23.70	19.07	18.85	18.99	0.00	19.50
		1	5	23.17	23.11	23.26	1.00	23.70	18.98	18.86	18.95	0.00	19.50
		3	0	23.28	23.18	23.33	1.00	23.70	18.64	18.69	18.86	0.00	19.50
		3	1	23.35	23.25	23.39	1.00	23.70	18.71	18.73	18.87	0.00	19.50
		3	3	23.34	23.26	23.40	1.00	23.70	18.72	18.75	18.89	0.00	19.50
		6	0	22.27	22.19	22.34	2.00	22.70	18.76	18.70	18.83	0.00	19.50
	64QAM	1	0	22.20	22.13	22.29	2.00	22.70	18.72	18.64	18.73	0.00	19.50
		1	3	22.28	22.23	22.37	2.00	22.70	18.80	18.73	18.88	0.00	19.50
		1	5	22.25	22.19	22.25	2.00	22.70	18.72	18.77	18.80	0.00	19.50
		3	0	22.25	22.17	22.29	2.00	22.70	18.74	18.50	18.77	0.00	19.50
		3	1	22.31	22.24	22.35	2.00	22.70	18.81	18.55	18.85	0.00	19.50
		3	3	22.32	22.21	22.36	2.00	22.70	18.82	18.55	18.86	0.00	19.50
		6	0	21.42	21.31	21.49	3.00	21.70	18.90	18.62	18.91	0.00	19.50
	256QAM	1	0	18.96	18.91	19.05	5.00	19.70	18.92	18.97	18.80	0.00	19.50
		1	3	18.84	18.93	19.05	5.00	19.70	18.84	18.73	18.93	0.00	19.50
		1	5	18.92	19.09	18.86	5.00	19.70	18.83	18.89	18.94	0.00	19.50
		3	0	18.99	18.94	19.06	5.00	19.70	18.74	18.90	18.71	0.00	19.50
		3	1	19.10	19.07	18.93	5.00	19.70	18.77	18.75	18.87	0.00	19.50
		3	3	19.01	18.89	19.05	5.00	19.70	18.96	18.91	18.90	0.00	19.50
		6	0	19.00	19.05	18.97	5.00	19.70	18.77	18.96	18.77	0.00	19.50

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LTE Band 25 Measured Results (ANT4)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26140	26365	26590	MPR	Tune-up Limit	26140	26365	26590	MPR	Tune-up Limit
				1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	QPSK	1	0	18.25	18.23	18.21	0.00	19.00	19.91	19.97	19.99	0.00	20.25
		1	49	18.25	18.25	18.25	0.00	19.00	20.10	20.10	20.10	0.00	20.25
		1	99	18.16	18.16	18.23	0.00	19.00	19.84	19.91	19.96	0.00	20.25
		50	0	18.21	18.23	18.25	0.00	19.00	19.89	19.95	19.99	0.00	20.25
		50	24	18.25	18.25	18.25	0.00	19.00	20.10	20.10	20.10	0.00	20.25
		50	50	18.22	18.24	18.10	0.00	19.00	19.91	19.99	20.00	0.00	20.25
		100	0	18.16	18.25	18.19	0.00	19.00	19.87	20.10	19.92	0.00	20.25
	16QAM	1	0	18.14	18.10	18.17	0.00	19.00	19.96	19.96	20.02	0.00	20.25
		1	49	18.12	18.09	18.16	0.00	19.00	19.92	19.95	20.02	0.00	20.25
		1	99	18.12	18.01	18.14	0.00	19.00	19.88	19.94	19.99	0.00	20.25
		50	0	18.04	18.00	18.05	0.00	19.00	19.88	19.90	19.94	0.00	20.25
		50	24	18.12	18.06	18.08	0.00	19.00	19.94	20.00	19.95	0.00	20.25
		50	50	18.07	18.01	18.12	0.00	19.00	19.91	19.94	20.01	0.00	20.25
		100	0	18.04	18.01	18.03	0.00	19.00	19.88	19.91	19.91	0.00	20.25
	64QAM	1	0	18.12	18.14	18.14	0.00	19.00	19.96	19.95	19.96	0.00	20.25
		1	49	18.16	18.18	18.14	0.00	19.00	19.98	20.02	20.00	0.00	20.25
		1	99	18.09	18.17	18.13	0.00	19.00	19.95	19.98	19.97	0.00	20.25
		50	0	18.14	18.08	18.16	0.00	19.00	19.23	19.25	19.19	0.55	19.70
		50	24	18.19	18.16	18.15	0.00	19.00	19.31	19.33	19.23	0.55	19.70
		50	50	18.13	18.12	18.21	0.00	19.00	19.24	19.30	19.27	0.55	19.70
		100	0	18.11	18.04	18.04	0.00	19.00	19.19	19.23	19.15	0.55	19.70
	256QAM	1	0	16.97	17.14	16.93	1.30	17.70	16.95	17.07	17.06	2.55	17.70
		1	49	17.00	17.16	16.99	1.30	17.70	17.03	17.14	17.10	2.55	17.70
		1	99	17.18	17.11	17.08	1.30	17.70	17.06	17.00	17.16	2.55	17.70
		50	0	17.04	17.17	17.09	1.30	17.70	17.15	17.14	17.15	2.55	17.70
		50	24	17.01	17.16	17.00	1.30	17.70	17.12	16.95	17.00	2.55	17.70
		50	50	17.02	17.07	17.02	1.30	17.70	17.10	16.92	17.04	2.55	17.70
		100	0	16.96	17.20	17.07	1.30	17.70	17.19	17.09	16.99	2.55	17.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26115	26365	26615	MPR	Tune-up Limit	26115	26365	26615	MPR	Tune-up Limit
				1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	QPSK	1	0	18.01	18.10	18.12	0.00	19.00	19.71	20.00	20.05	0.00	20.25
		1	37	18.18	18.04	18.07	0.00	19.00	19.89	19.98	20.03	0.00	20.25
		1	74	18.06	18.03	18.09	0.00	19.00	19.76	19.93	20.02	0.00	20.25
		36	0	18.04	18.00	18.00	0.00	19.00	19.79	19.86	19.91	0.00	20.25
		36	20	18.17	18.10	18.16	0.00	19.00	19.96	20.06	20.10	0.00	20.25
		36	39	18.17	18.09	18.16	0.00	19.00	19.96	20.00	20.07	0.00	20.25
		75	0	18.10	18.02	18.09	0.00	19.00	19.89	19.93	20.03	0.00	20.25
	16QAM	1	0	18.02	18.13	18.19	0.00	19.00	19.78	19.95	20.07	0.00	20.25
		1	37	18.20	18.21	18.19	0.00	19.00	20.06	19.99	20.13	0.00	20.25
		1	74	18.01	18.10	18.12	0.00	19.00	19.89	20.03	20.11	0.00	20.25
		36	0	18.09	18.12	18.00	0.00	19.00	19.81	19.83	19.89	0.00	20.25
		36	20	18.25	18.30	18.18	0.00	19.00	19.97	19.97	20.06	0.00	20.25
		36	39	18.22	18.25	18.15	0.00	19.00	19.93	19.95	20.04	0.00	20.25
		75	0	18.19	18.23	18.15	0.00	19.00	19.91	19.92	20.02	0.00	20.25
	64QAM	1	0	18.00	18.19	18.03	0.00	19.00	19.76	20.04	20.07	0.00	20.25
		1	37	18.20	18.22	18.09	0.00	19.00	20.04	20.05	20.12	0.00	20.25
		1	74	18.07	18.24	18.07	0.00	19.00	19.90	20.06	20.11	0.00	20.25
		36	0	18.04	18.06	18.08	0.00	19.00	19.06	19.06	19.13	0.55	19.70
		36	20	18.09	18.12	18.17	0.00	19.00	19.20	19.21	19.29	0.55	19.70
		36	39	18.07	18.09	18.14	0.00	19.00	19.19	19.21	19.28	0.55	19.70
		75	0	18.07	18.07	18.15	0.00	19.00	19.18	19.20	19.28	0.55	19.70
	256QAM	1	0	17.18	16.92	17.05	1.30	17.70	17.15	17.03	16.90	2.55	17.70
		1	37	16.97	17.09	17.11	1.30	17.70	17.10	16.95	17.14	2.55	17.70
		1	74	17.05	17.05	16.92	1.30	17.70	17.19	17.08	17.13	2.55	17.70
		36	0	16.99	17.08	17.19	1.30	17.70	17.14	17.17	16.91	2.55	17.70
		36	20	17.03	16.98	16.96	1.30	17.70	16.97	17.15	16.94	2.55	17.70
		36	39	17.18	16.92	16.95	1.30	17.70	17.07	17.13	17.00	2.55	17.70
		75	0	17.13	17.15	17.06	1.30	17.70	17.05	17.04	17.02	2.55	17.70

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LTE Band 25 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26090	26365	26640			26090	26365	26640		
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	18.00	18.00	18.20	0.00	19.00	19.54	19.55	19.87	0.00	20.25
		1	25	18.12	18.17	18.20	0.00	19.00	19.79	19.81	19.85	0.00	20.25
		1	49	18.00	18.00	18.19	0.00	19.00	19.53	19.58	19.90	0.00	20.25
		25	0	18.15	18.18	18.23	0.00	19.00	19.80	19.81	19.90	0.00	20.25
		25	12	18.20	18.20	18.20	0.00	19.00	19.97	19.99	19.97	0.00	20.25
		25	25	18.14	18.18	18.22	0.00	19.00	19.89	19.93	20.00	0.00	20.25
		50	0	18.12	18.17	18.14	0.00	19.00	19.87	19.91	19.91	0.00	20.25
	16QAM	1	0	18.04	18.07	18.15	0.00	19.00	19.65	19.69	20.01	0.00	20.25
		1	25	18.22	18.27	18.08	0.00	19.00	19.84	19.88	19.93	0.00	20.25
		1	49	18.00	18.06	18.16	0.00	19.00	19.72	19.74	20.04	0.00	20.25
		25	0	18.06	18.07	18.13	0.00	19.00	19.88	19.90	19.97	0.00	20.25
		25	12	18.20	18.25	18.23	0.00	19.00	20.03	20.06	20.08	0.00	20.25
		25	25	18.15	18.19	18.10	0.00	19.00	19.97	20.01	20.00	0.00	20.25
		50	0	18.08	18.11	18.09	0.00	19.00	19.90	19.93	19.95	0.00	20.25
	64QAM	1	0	18.13	18.15	18.24	0.00	19.00	19.78	19.85	19.96	0.00	20.25
		1	25	18.14	18.15	18.15	0.00	19.00	20.07	20.12	19.91	0.00	20.25
		1	49	18.14	18.11	18.22	0.00	19.00	19.81	19.83	20.02	0.00	20.25
		25	0	18.13	18.17	18.11	0.00	19.00	19.09	19.09	19.23	0.55	19.70
		25	12	18.17	18.23	18.20	0.00	19.00	19.22	19.27	19.34	0.55	19.70
		25	25	18.15	18.18	18.20	0.00	19.00	19.18	19.20	19.39	0.55	19.70
		50	0	18.03	18.10	18.24	0.00	19.00	19.09	19.13	19.19	0.55	19.70
	256QAM	1	0	16.96	16.96	16.94	1.30	17.70	16.91	17.19	16.90	2.55	17.70
		1	25	16.92	17.10	17.01	1.30	17.70	17.16	17.01	16.97	2.55	17.70
		1	49	17.06	17.00	17.10	1.30	17.70	17.13	16.90	17.14	2.55	17.70
		25	0	17.11	17.02	17.09	1.30	17.70	16.92	16.94	16.98	2.55	17.70
		25	12	17.01	17.05	17.18	1.30	17.70	17.01	16.99	16.98	2.55	17.70
		25	25	17.06	16.96	17.15	1.30	17.70	17.03	17.01	17.05	2.55	17.70
		50	0	16.94	17.20	17.17	1.30	17.70	17.08	17.03	17.17	2.55	17.70
	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26065	26365	26665			26065	26365	26665		
				1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	QPSK	1	0	18.00	18.04	18.13	0.00	19.00	19.85	19.93	20.00	0.00	20.25
		1	12	18.08	18.12	18.15	0.00	19.00	19.90	20.01	20.02	0.00	20.25
		1	24	18.08	18.16	18.18	0.00	19.00	19.97	20.09	20.07	0.00	20.25
		12	0	18.05	18.08	18.12	0.00	19.00	19.94	19.99	19.97	0.00	20.25
		12	7	18.13	18.16	18.15	0.00	19.00	19.98	20.07	20.01	0.00	20.25
		12	13	18.11	18.16	18.19	0.00	19.00	19.97	20.08	20.08	0.00	20.25
		25	0	18.08	18.16	18.11	0.00	19.00	19.94	20.04	19.97	0.00	20.25
	16QAM	1	0	18.04	18.01	18.20	0.00	19.00	19.97	20.07	20.15	0.00	20.25
		1	12	18.15	18.05	18.23	0.00	19.00	20.09	19.80	19.80	0.00	20.25
		1	24	18.19	18.23	18.24	0.00	19.00	20.00	19.82	19.83	0.00	20.25
		12	0	18.12	18.12	18.11	0.00	19.00	19.98	20.04	20.02	0.00	20.25
		12	7	18.19	18.23	18.19	0.00	19.00	19.98	20.10	20.08	0.00	20.25
		12	13	18.16	18.24	18.25	0.00	19.00	20.01	20.00	20.00	0.00	20.25
		25	0	18.03	18.09	18.08	0.00	19.00	19.86	19.98	19.95	0.00	20.25
	64QAM	1	0	18.00	18.06	18.18	0.00	19.00	19.91	19.92	20.09	0.00	20.25
		1	12	18.00	18.22	18.10	0.00	19.00	20.00	20.02	20.00	0.00	20.25
		1	24	18.01	18.22	18.24	0.00	19.00	20.03	20.06	20.05	0.00	20.25
		12	0	18.12	18.11	18.19	0.00	19.00	19.22	19.19	19.29	0.55	19.70
		12	7	18.14	18.25	18.27	0.00	19.00	19.22	19.26	19.33	0.55	19.70
		12	13	18.15	18.23	18.27	0.00	19.00	19.23	19.30	19.37	0.55	19.70
		25	0	18.08	18.18	18.18	0.00	19.00	19.17	19.22	19.25	0.55	19.70
	256QAM	1	0	17.16	17.05	17.04	1.30	17.70	16.96	16.91	17.03	2.55	17.70
		1	12	17.04	16.91	17.16	1.30	17.70	16.91	16.93	17.11	2.55	17.70
		1	24	16.94	16.92	17.00	1.30	17.70	17.17	17.05	16.99	2.55	17.70
		12	0	17.12	17.16	17.06	1.30	17.70	16.94	17.07	16.96	2.55	17.70
		12	7	16.99	16.97	17.14	1.30	17.70	17.04	17.15	17.06	2.55	17.70
		12	13	17.13	17.06	17.02	1.30	17.70	17.11	17.08	17.16	2.55	17.70
		25	0	17.13	17.11	16.93	1.30	17.70	17.08	17.13	16.96	2.55	17.70

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LTE Band 25 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26055	26365	26675			26055	26365	26675		
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	18.02	18.11	18.10	0.00	19.00	19.77	19.81	19.91	0.00	20.25
		1	8	18.03	18.14	18.13	0.00	19.00	19.80	19.81	19.92	0.00	20.25
		1	14	18.11	18.19	18.22	0.00	19.00	19.85	19.89	19.98	0.00	20.25
		8	0	18.15	18.18	18.19	0.00	19.00	19.88	19.89	20.01	0.00	20.25
		8	4	18.19	18.16	18.13	0.00	19.00	19.94	19.98	20.02	0.00	20.25
		8	7	18.22	18.19	18.20	0.00	19.00	19.98	20.01	20.07	0.00	20.25
		15	0	18.19	18.16	18.14	0.00	19.00	19.94	19.98	20.02	0.00	20.25
	16QAM	1	0	18.12	18.11	18.17	0.00	19.00	19.88	19.94	20.01	0.00	20.25
		1	8	18.11	18.19	18.18	0.00	19.00	19.89	19.93	20.03	0.00	20.25
		1	14	18.17	18.26	18.23	0.00	19.00	19.94	19.99	20.13	0.00	20.25
		8	0	18.22	18.13	18.16	0.00	19.00	19.97	19.89	20.04	0.00	20.25
		8	4	18.25	18.23	18.20	0.00	19.00	20.00	20.00	20.06	0.00	20.25
		8	7	18.00	18.25	18.28	0.00	19.00	20.00	20.05	20.05	0.00	20.25
		15	0	18.17	18.13	18.10	0.00	19.00	19.89	19.94	19.97	0.00	20.25
	64QAM	1	0	18.16	18.09	18.18	0.00	19.00	20.08	19.89	19.97	0.00	20.25
		1	8	18.18	18.13	18.13	0.00	19.00	20.09	19.90	19.91	0.00	20.25
		1	14	18.24	18.16	18.21	0.00	19.00	20.10	19.95	20.08	0.00	20.25
		8	0	18.14	18.11	18.18	0.00	19.00	19.10	19.02	19.17	0.55	19.70
		8	4	18.16	18.20	18.22	0.00	19.00	19.15	19.19	19.21	0.55	19.70
		8	7	18.17	18.23	18.30	0.00	19.00	19.13	19.20	19.30	0.55	19.70
		15	0	18.16	18.19	18.18	0.00	19.00	19.21	19.20	19.28	0.55	19.70
	256QAM	1	0	17.03	16.95	16.97	1.30	17.70	17.09	17.18	16.98	2.55	17.70
		1	8	16.94	17.10	16.94	1.30	17.70	17.15	16.98	17.03	2.55	17.70
		1	14	17.10	17.12	16.98	1.30	17.70	16.94	17.07	17.17	2.55	17.70
		8	0	17.08	17.18	17.11	1.30	17.70	17.09	17.18	17.16	2.55	17.70
		8	4	16.92	17.05	17.08	1.30	17.70	17.10	17.03	16.93	2.55	17.70
		8	7	17.01	17.14	17.03	1.30	17.70	17.16	17.12	17.08	2.55	17.70
		15	0	17.18	17.11	17.12	1.30	17.70	17.10	16.98	16.92	2.55	17.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26047	26365	26683			26047	26365	26683		
				1850.7 MHz	1882.5 MHz	1914.3 MHz			1850.7 MHz	1882.5 MHz	1914.3 MHz		
1.4 MHz	QPSK	1	0	18.04	18.05	18.10	0.00	19.00	19.83	19.80	19.88	0.00	20.25
		1	3	18.07	18.14	18.18	0.00	19.00	19.87	19.84	19.97	0.00	20.25
		1	5	18.08	18.07	18.15	0.00	19.00	19.86	19.83	19.88	0.00	20.25
		3	0	18.00	18.05	18.09	0.00	19.00	19.74	19.82	19.84	0.00	20.25
		3	1	18.05	18.12	18.14	0.00	19.00	19.85	19.84	19.92	0.00	20.25
		3	3	18.06	18.12	18.17	0.00	19.00	19.87	19.87	19.91	0.00	20.25
		6	0	18.12	18.13	18.20	0.00	19.00	19.90	19.87	19.97	0.00	20.25
	16QAM	1	0	18.04	18.21	18.16	0.00	19.00	19.96	19.81	19.96	0.00	20.25
		1	3	18.17	18.08	18.20	0.00	19.00	20.02	19.86	20.01	0.00	20.25
		1	5	18.17	18.23	18.21	0.00	19.00	20.00	19.85	20.00	0.00	20.25
		3	0	18.00	18.23	18.18	0.00	19.00	19.88	20.03	20.00	0.00	20.25
		3	1	18.12	18.25	18.21	0.00	19.00	19.98	20.09	19.60	0.00	20.25
		3	3	18.12	18.08	18.08	0.00	19.00	19.98	20.09	20.00	0.00	20.25
		6	0	18.19	18.00	18.18	0.00	19.00	20.04	19.78	20.00	0.00	20.25
	64QAM	1	0	18.09	18.18	18.21	0.00	19.00	19.88	20.08	19.86	0.00	20.25
		1	3	18.17	18.24	18.25	0.00	19.00	19.99	20.00	19.92	0.00	20.25
		1	5	18.22	18.14	18.23	0.00	19.00	19.94	20.00	19.84	0.00	20.25
		3	0	18.00	18.16	18.11	0.00	19.00	19.44	19.36	19.61	0.00	20.25
		3	1	18.00	18.23	18.15	0.00	19.00	19.55	19.41	19.65	0.00	20.25
		3	3	18.00	18.22	18.16	0.00	19.00	19.57	19.42	19.65	0.00	20.25
		6	0	18.07	18.00	18.22	0.00	19.00	19.38	19.15	19.49	0.55	19.70
	256QAM	1	0	17.04	16.99	16.99	1.30	17.70	17.19	17.18	16.91	2.55	17.70
		1	3	17.18	17.07	17.05	1.30	17.70	17.03	17.07	16.95	2.55	17.70
		1	5	17.03	16.98	16.94	1.30	17.70	16.94	17.01	16.95	2.55	17.70
		3	0	17.08	16.97	17.10	1.30	17.70	16.93	17.08	17.13	2.55	17.70
		3	1	17.08	16.90	17.00	1.30	17.70	17.16	17.03	16.98	2.55	17.70
		3	3	17.13	17.10	17.06	1.30	17.70	17.06	17.16	17.17	2.55	17.70
		6	0	16.91	17.16	17.05	1.30	17.70	17.10	16.92	16.90	2.55	17.70

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LTE Band 26 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26740.00	26865.00	26990.00	MPR	Tune-up Limit	26740.00	26865.00	26990.00	MPR	Tune-up Limit
				819 MHz	831.5 MHz	844 MHz			819 MHz	831.5 MHz	844 MHz		
10 MHz	QPSK	1	0	25.02	25.00	24.94	0.00	25.70	25.02	25.00	24.94	0.00	25.70
		1	25	25.01	25.60	24.89	0.00	25.70	25.01	25.60	24.89	0.00	25.70
		1	49	24.94	24.92	24.84	0.00	25.70	24.94	24.92	24.84	0.00	25.70
		25	0	23.96	23.91	23.86	1.00	24.70	23.96	23.91	23.86	1.00	24.70
		25	12	24.12	24.60	23.98	1.00	24.70	24.12	24.60	23.98	1.00	24.70
		25	25	24.03	23.99	23.95	1.00	24.70	24.03	23.99	23.95	1.00	24.70
		50	0	24.04	24.30	23.89	1.00	24.70	24.04	24.30	23.89	1.00	24.70
	16QAM	1	0	24.15	24.11	24.10	1.00	24.70	24.15	24.11	24.10	1.00	24.70
		1	25	24.07	24.03	23.99	1.00	24.70	24.07	24.03	23.99	1.00	24.70
		1	49	24.06	23.97	23.96	1.00	24.70	24.06	23.97	23.96	1.00	24.70
		25	0	23.06	23.00	22.97	2.00	23.70	23.06	23.00	22.97	2.00	23.70
		25	12	23.21	23.19	23.09	2.00	23.70	23.21	23.19	23.09	2.00	23.70
		25	25	23.15	23.09	23.09	2.00	23.70	23.15	23.09	23.09	2.00	23.70
		50	0	23.09	23.03	22.94	2.00	23.70	23.09	23.03	22.94	2.00	23.70
	64QAM	1	0	23.37	23.28	23.30	2.00	23.70	23.37	23.28	23.30	2.00	23.70
		1	25	23.33	23.25	23.22	2.00	23.70	23.33	23.25	23.22	2.00	23.70
		1	49	23.30	23.26	23.11	2.00	23.70	23.30	23.26	23.11	2.00	23.70
		25	0	22.06	22.02	21.99	3.00	22.70	22.06	22.02	21.99	3.00	22.70
		25	12	22.24	22.20	22.06	3.00	22.70	22.24	22.20	22.06	3.00	22.70
		25	25	22.19	22.09	22.07	3.00	22.70	22.19	22.09	22.07	3.00	22.70
		50	0	22.09	22.00	21.92	3.00	22.70	22.09	22.00	21.92	3.00	22.70
	256QAM	1	0	19.90	20.16	20.17	5.00	20.70	19.90	20.16	20.17	5.00	20.70
		1	25	19.96	20.08	20.00	5.00	20.70	19.96	20.08	20.00	5.00	20.70
		1	49	20.06	19.92	20.08	5.00	20.70	20.06	19.92	20.08	5.00	20.70
		25	0	20.14	20.15	20.15	5.00	20.70	20.14	20.15	20.15	5.00	20.70
		25	12	20.08	20.06	20.16	5.00	20.70	20.08	20.06	20.16	5.00	20.70
		25	25	19.92	20.08	20.01	5.00	20.70	19.92	20.08	20.01	5.00	20.70
		50	0	20.04	20.13	20.00	5.00	20.70	20.04	20.13	20.00	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26715.00	26865.00	27015.00	MPR	Tune-up Limit	26715.00	26865.00	27015.00	MPR	Tune-up Limit
				816.5 MHz	831.5 MHz	846.5 MHz			816.5 MHz	831.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	24.99	25.03	25.06	0.00	25.70	24.99	25.03	25.06	0.00	25.70
		1	12	25.11	25.07	25.04	0.00	25.70	25.11	25.07	25.04	0.00	25.70
		1	24	25.07	25.06	25.02	0.00	25.70	25.07	25.06	25.02	0.00	25.70
		12	0	24.08	23.99	23.96	1.00	24.70	24.08	23.99	23.96	1.00	24.70
		12	7	24.16	24.11	24.08	1.00	24.70	24.16	24.11	24.08	1.00	24.70
		12	13	24.14	24.07	24.03	1.00	24.70	24.14	24.07	24.03	1.00	24.70
		25	0	24.13	24.08	23.96	1.00	24.70	24.13	24.08	23.96	1.00	24.70
	16QAM	1	0	24.18	24.24	24.16	1.00	24.70	24.18	24.24	24.16	1.00	24.70
		1	12	24.31	24.21	24.12	1.00	24.70	24.31	24.21	24.12	1.00	24.70
		1	24	24.23	24.23	24.11	1.00	24.70	24.23	24.23	24.11	1.00	24.70
		12	0	23.14	23.04	23.05	2.00	23.70	23.14	23.04	23.05	2.00	23.70
		12	7	23.20	23.18	23.12	2.00	23.70	23.20	23.18	23.12	2.00	23.70
		12	13	23.19	23.11	23.08	2.00	23.70	23.19	23.11	23.08	2.00	23.70
		25	0	23.11	23.03	22.89	2.00	23.70	23.11	23.03	22.89	2.00	23.70
	64QAM	1	0	23.30	23.36	23.31	2.00	23.70	23.30	23.36	23.31	2.00	23.70
		1	12	23.44	23.37	23.36	2.00	23.70	23.44	23.37	23.36	2.00	23.70
		1	24	23.36	23.37	23.04	2.00	23.70	23.36	23.37	23.04	2.00	23.70
		12	0	22.18	22.12	22.08	3.00	22.70	22.18	22.12	22.08	3.00	22.70
		12	7	22.26	22.21	22.18	3.00	22.70	22.26	22.21	22.18	3.00	22.70
		12	13	22.24	22.18	22.16	3.00	22.70	22.24	22.18	22.16	3.00	22.70
		25	0	22.18	22.08	22.02	3.00	22.70	22.18	22.08	22.02	3.00	22.70
	256QAM	1	0	20.16	19.98	20.13	5.00	20.70	20.16	19.98	20.13	5.00	20.70
		1	12	20.02	20.06	20.04	5.00	20.70	20.02	20.06	20.04	5.00	20.70
		1	24	19.91	20.02	20.13	5.00	20.70	19.91	20.02	20.13	5.00	20.70
		12	0	19.90	20.09	19.97	5.00	20.70	19.90	20.09	19.97	5.00	20.70
		12	7	20.01	20.03	19.91	5.00	20.70	20.01	20.03	19.91	5.00	20.70
		12	13	20.15	20.00	20.00	5.00	20.70	20.15	20.00	20.00	5.00	20.70
		25	0	20.00	20.19	20.00	5.00	20.70	20.00	20.19	20.00	5.00	20.70

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LTE Band 26 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26705.00	26865.00	27025.00			26705.00	26865.00	27025.00		
				815.5 MHz	831.5 MHz	847.5 MHz			815.5 MHz	831.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	25.00	24.97	25.50	0.00	25.70	25.00	24.97	25.50	0.00	25.70
		1	8	25.02	24.95	25.00	0.00	25.70	25.02	24.95	25.00	0.00	25.70
		1	14	25.04	24.97	25.09	0.00	25.70	25.04	24.97	25.09	0.00	25.70
		8	0	24.12	24.01	24.68	1.00	24.70	24.12	24.01	24.68	1.00	24.70
		8	4	24.18	24.13	24.68	1.00	24.70	24.18	24.13	24.68	1.00	24.70
		8	7	24.21	24.10	24.69	1.00	24.70	24.21	24.10	24.69	1.00	24.70
		15	0	24.17	24.05	23.87	1.00	24.70	24.17	24.05	23.87	1.00	24.70
	16QAM	1	0	24.12	24.09	24.01	1.00	24.70	24.12	24.09	24.01	1.00	24.70
		1	8	24.11	24.04	23.99	1.00	24.70	24.11	24.04	23.99	1.00	24.70
		1	14	24.13	24.08	24.06	1.00	24.70	24.13	24.08	24.06	1.00	24.70
		8	0	23.15	23.04	23.68	2.00	23.70	23.15	23.04	23.68	2.00	23.70
		8	4	23.22	23.15	23.69	2.00	23.70	23.22	23.15	23.69	2.00	23.70
		8	7	23.21	23.15	23.68	2.00	23.70	23.21	23.15	23.68	2.00	23.70
		15	0	23.11	23.07	22.90	2.00	23.70	23.11	23.07	22.90	2.00	23.70
	64QAM	1	0	23.35	23.62	22.88	2.00	23.70	23.35	23.62	22.88	2.00	23.70
		1	8	23.34	22.74	22.82	2.00	23.70	23.34	22.74	22.82	2.00	23.70
		1	14	23.32	22.82	22.87	2.00	23.70	23.32	22.82	22.87	2.00	23.70
		8	0	22.11	22.67	22.62	3.00	22.70	22.11	22.67	22.62	3.00	22.70
		8	4	22.16	22.69	22.66	3.00	22.70	22.16	22.69	22.66	3.00	22.70
		8	7	22.16	22.69	22.68	3.00	22.70	22.16	22.69	22.68	3.00	22.70
		15	0	22.21	21.94	21.91	3.00	22.70	22.21	21.94	21.91	3.00	22.70
	256QAM	1	0	20.16	20.12	20.04	5.00	20.70	20.16	20.12	20.04	5.00	20.70
		1	8	20.04	19.90	20.04	5.00	20.70	20.04	19.90	20.04	5.00	20.70
		1	14	20.17	19.92	19.91	5.00	20.70	20.17	19.92	19.91	5.00	20.70
		8	0	20.07	20.17	20.02	5.00	20.70	20.07	20.17	20.02	5.00	20.70
		8	4	19.98	19.96	20.03	5.00	20.70	19.98	19.96	20.03	5.00	20.70
		8	7	20.11	20.02	20.05	5.00	20.70	20.11	20.02	20.05	5.00	20.70
		15	0	20.16	20.11	19.97	5.00	20.70	20.16	20.11	19.97	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26697.00	26865.00	27033.00			26697.00	26865.00	27033.00		
				814.7 MHz	831.5 MHz	848.3 MHz			814.7 MHz	831.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	24.89	24.87	24.89	0.00	25.70	24.89	24.87	24.89	0.00	25.70
		1	3	25.02	25.00	24.92	0.00	25.70	25.02	25.00	24.92	0.00	25.70
		1	5	24.99	24.88	24.87	0.00	25.70	24.99	24.88	24.87	0.00	25.70
		3	0	24.93	24.88	24.84	0.00	25.70	24.93	24.88	24.84	0.00	25.70
		3	1	25.01	24.94	24.90	0.00	25.70	25.01	24.94	24.90	0.00	25.70
		3	3	24.99	24.97	24.90	0.00	25.70	24.99	24.97	24.90	0.00	25.70
		6	0	24.09	23.99	23.90	1.00	24.70	24.09	23.99	23.90	1.00	24.70
	16QAM	1	0	24.04	23.96	24.29	1.00	24.70	24.04	23.96	24.29	1.00	24.70
		1	3	24.11	24.05	24.31	1.00	24.70	24.11	24.05	24.31	1.00	24.70
		1	5	24.11	24.05	24.27	1.00	24.70	24.11	24.05	24.27	1.00	24.70
		3	0	24.24	24.17	24.09	1.00	24.70	24.24	24.17	24.09	1.00	24.70
		3	1	24.28	24.23	24.14	1.00	24.70	24.28	24.23	24.14	1.00	24.70
		3	3	24.27	24.23	24.17	1.00	24.70	24.27	24.23	24.17	1.00	24.70
		6	0	23.22	23.20	22.86	2.00	23.70	23.22	23.20	22.86	2.00	23.70
	64QAM	1	0	23.11	23.14	23.11	2.00	23.70	23.11	23.14	23.11	2.00	23.70
		1	3	23.28	23.24	23.02	2.00	23.70	23.28	23.24	23.02	2.00	23.70
		1	5	23.16	23.24	22.76	2.00	23.70	23.16	23.24	22.76	2.00	23.70
		3	0	23.21	22.98	22.80	2.00	23.70	23.21	22.98	22.80	2.00	23.70
		3	1	23.27	23.03	22.84	2.00	23.70	23.27	23.03	22.84	2.00	23.70
		3	3	23.26	23.03	22.71	2.00	23.70	23.26	23.03	22.71	2.00	23.70
		6	0	22.36	22.11	21.86	3.00	22.70	22.36	22.11	21.86	3.00	22.70
	256QAM	1	0	20.19	19.91	19.91	5.00	20.70	20.19	19.91	19.91	5.00	20.70
		1	3	19.92	20.17	20.03	5.00	20.70	19.92	20.17	20.03	5.00	20.70
		1	5	19.97	20.19	20.13	5.00	20.70	19.97	20.19	20.13	5.00	20.70
		3	0	20.13	20.01	20.00	5.00	20.70	20.13	20.01	20.00	5.00	20.70
		3	1	19.99	20.16	20.10	5.00	20.70	19.99	20.16	20.10	5.00	20.70
		3	3	20.13	20.15	19.92	5.00	20.70	20.13	20.15	19.92	5.00	20.70
		6	0	20.07	20.11	20.01	5.00	20.70	20.07	20.11	20.01	5.00	20.70

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LTE Band 26 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26740	26865	26990	MPR	Tune-up Limit	26740	26865	26990	MPR	Tune-up Limit
				819 MHz	831.5 MHz	844 MHz			819 MHz	831.5 MHz	844 MHz		
10 MHz	QPSK	1	0	23.63	23.58	23.59	0.00	24.50	23.63	23.58	23.59	0.00	24.50
		1	25	24.30	24.30	24.30	0.00	24.50	24.30	24.30	24.30	0.00	24.50
		1	49	23.55	23.54	23.58	0.00	24.50	23.55	23.54	23.58	0.00	24.50
		25	0	23.02	23.01	22.92	1.00	23.50	23.02	23.01	22.92	1.00	23.50
		25	12	23.30	23.30	23.30	1.00	23.50	23.30	23.30	23.30	1.00	23.50
		25	25	23.13	23.07	23.01	1.00	23.50	23.13	23.07	23.01	1.00	23.50
		50	0	23.10	23.30	22.94	1.00	23.50	23.10	23.30	22.94	1.00	23.50
	16QAM	1	0	23.21	23.14	23.46	1.00	23.50	23.21	23.14	23.46	1.00	23.50
		1	25	23.15	23.03	23.42	1.00	23.50	23.15	23.03	23.42	1.00	23.50
		1	49	23.10	23.05	23.39	1.00	23.50	23.10	23.05	23.39	1.00	23.50
		25	0	22.13	22.02	21.96	2.00	22.50	22.13	22.02	21.96	2.00	22.50
		25	12	22.32	22.18	22.08	2.00	22.50	22.32	22.18	22.08	2.00	22.50
		25	25	22.23	22.10	22.00	2.00	22.50	22.23	22.10	22.00	2.00	22.50
		50	0	22.15	22.06	21.95	2.00	22.50	22.15	22.06	21.95	2.00	22.50
	64QAM	1	0	22.21	22.14	22.46	2.00	22.50	22.21	22.14	22.46	2.00	22.50
		1	25	22.15	22.03	22.42	2.00	22.50	22.15	22.03	22.42	2.00	22.50
		1	49	22.10	22.05	22.39	2.00	22.50	22.10	22.05	22.39	2.00	22.50
		25	0	21.13	21.02	20.96	3.00	21.50	21.13	21.02	20.96	3.00	21.50
		25	12	21.32	21.18	21.08	3.00	21.50	21.32	21.18	21.08	3.00	21.50
		25	25	21.23	21.10	21.00	3.00	21.50	21.23	21.10	21.00	3.00	21.50
		50	0	21.15	21.06	20.95	3.00	21.50	21.15	21.06	20.95	3.00	21.50
	256QAM	1	0	18.80	18.89	18.77	5.00	19.50	18.80	18.89	18.77	5.00	19.50
		1	25	18.90	18.97	18.95	5.00	19.50	18.90	18.97	18.95	5.00	19.50
		1	49	18.74	18.90	18.99	5.00	19.50	18.74	18.90	18.99	5.00	19.50
		25	0	18.98	18.94	18.91	5.00	19.50	18.98	18.94	18.91	5.00	19.50
		25	12	18.87	18.78	18.72	5.00	19.50	18.87	18.78	18.72	5.00	19.50
		25	25	18.92	18.88	18.72	5.00	19.50	18.92	18.88	18.72	5.00	19.50
		50	0	18.96	18.72	18.71	5.00	19.50	18.96	18.72	18.71	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	23.64	23.79	23.84	0.00	24.50	23.64	23.79	23.84	0.00	24.50
		1	12	23.74	23.77	23.81	0.00	24.50	23.74	23.77	23.81	0.00	24.50
		1	24	23.72	23.80	23.78	0.00	24.50	23.72	23.80	23.78	0.00	24.50
		12	0	22.67	22.73	22.75	1.00	23.50	22.67	22.73	22.75	1.00	23.50
		12	7	22.83	22.84	22.85	1.00	23.50	22.83	22.84	22.85	1.00	23.50
		12	13	22.76	22.81	22.81	1.00	23.50	22.76	22.81	22.81	1.00	23.50
		25	0	22.73	22.82	22.74	1.00	23.50	22.73	22.82	22.74	1.00	23.50
	16QAM	1	0	22.77	22.94	23.02	1.00	23.50	22.77	22.94	23.02	1.00	23.50
		1	12	22.94	22.95	22.97	1.00	23.50	22.94	22.95	22.97	1.00	23.50
		1	24	22.86	22.93	22.87	1.00	23.50	22.86	22.93	22.87	1.00	23.50
		12	0	21.75	21.81	21.82	2.00	22.50	21.75	21.81	21.82	2.00	22.50
		12	7	21.82	21.91	21.92	2.00	22.50	21.82	21.91	21.92	2.00	22.50
		12	13	21.81	21.87	21.86	2.00	22.50	21.81	21.87	21.86	2.00	22.50
		25	0	21.67	21.77	21.71	2.00	22.50	21.67	21.77	21.71	2.00	22.50
	64QAM	1	0	21.91	22.07	22.14	2.00	22.50	21.91	22.07	22.14	2.00	22.50
		1	12	22.06	22.12	22.17	2.00	22.50	22.06	22.12	22.17	2.00	22.50
		1	24	22.00	22.08	21.96	2.00	22.50	22.00	22.08	21.96	2.00	22.50
		12	0	20.76	20.83	20.84	3.00	21.50	20.76	20.83	20.84	3.00	21.50
		12	7	20.84	20.95	20.91	3.00	21.50	20.84	20.95	20.91	3.00	21.50
		12	13	20.86	20.86	20.87	3.00	21.50	20.86	20.86	20.87	3.00	21.50
		25	0	20.77	20.82	20.81	3.00	21.50	20.77	20.82	20.81	3.00	21.50
	256QAM	1	0	19.46	19.29	19.33	5.00	19.50	19.46	19.29	19.33	5.00	19.50
		1	12	19.50	19.32	19.22	5.00	19.50	19.50	19.32	19.22	5.00	19.50
		1	24	19.41	19.38	19.32	5.00	19.50	19.41	19.38	19.32	5.00	19.50
		12	0	19.36	19.32	19.31	5.00	19.50	19.36	19.32	19.31	5.00	19.50
		12	7	19.23	19.24	19.41	5.00	19.50	19.23	19.24	19.41	5.00	19.50
		12	13	19.37	19.23	19.43	5.00	19.50	19.37	19.23	19.43	5.00	19.50
		25	0	19.22	19.25	19.38	5.00	19.50	19.22	19.25	19.38	5.00	19.50

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LTE Band 26 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26705	26865	27025			26705	26865	27025		
				815.5 MHz	831.5 MHz	847.5 MHz			815.5 MHz	831.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	23.60	23.69	23.79	0.00	24.50	23.60	23.69	23.79	0.00	24.50
		1	8	23.65	23.70	23.69	0.00	24.50	23.65	23.70	23.69	0.00	24.50
		1	14	23.68	23.72	23.70	0.00	24.50	23.68	23.72	23.70	0.00	24.50
		8	0	22.68	22.76	22.80	1.00	23.50	22.68	22.76	22.80	1.00	23.50
		8	4	22.80	22.84	22.81	1.00	23.50	22.80	22.84	22.81	1.00	23.50
		8	7	22.82	22.84	22.84	1.00	23.50	22.82	22.84	22.84	1.00	23.50
		15	0	22.79	22.78	22.83	1.00	23.50	22.79	22.78	22.83	1.00	23.50
	16QAM	1	0	22.75	22.84	22.89	1.00	23.50	22.75	22.84	22.89	1.00	23.50
		1	8	22.75	22.80	22.81	1.00	23.50	22.75	22.80	22.81	1.00	23.50
		1	14	22.77	22.87	22.78	1.00	23.50	22.77	22.87	22.78	1.00	23.50
		8	0	21.73	21.82	21.86	2.00	22.50	21.73	21.82	21.86	2.00	22.50
		8	4	21.82	21.91	21.89	2.00	22.50	21.82	21.91	21.89	2.00	22.50
		8	7	21.84	21.89	21.91	2.00	22.50	21.84	21.89	21.91	2.00	22.50
		15	0	21.69	21.74	21.78	2.00	22.50	21.69	21.74	21.78	2.00	22.50
	64QAM	1	0	21.93	22.03	22.11	2.00	22.50	21.93	22.03	22.11	2.00	22.50
		1	8	21.95	22.02	22.07	2.00	22.50	21.95	22.02	22.07	2.00	22.50
		1	14	21.94	22.03	21.66	2.00	22.50	21.94	22.03	21.66	2.00	22.50
		8	0	20.67	20.74	20.79	3.00	21.50	20.67	20.74	20.79	3.00	21.50
		8	4	20.75	20.84	20.84	3.00	21.50	20.75	20.84	20.84	3.00	21.50
		8	7	20.79	20.81	20.85	3.00	21.50	20.79	20.81	20.85	3.00	21.50
		15	0	20.80	20.86	20.89	3.00	21.50	20.80	20.86	20.89	3.00	21.50
	256QAM	1	0	19.46	19.48	19.29	5.00	19.50	19.46	19.48	19.29	5.00	19.50
		1	8	19.23	19.35	19.23	5.00	19.50	19.23	19.35	19.23	5.00	19.50
		1	14	19.29	19.29	19.45	5.00	19.50	19.29	19.29	19.45	5.00	19.50
		8	0	19.48	19.40	19.36	5.00	19.50	19.48	19.40	19.36	5.00	19.50
		8	4	19.22	19.39	19.22	5.00	19.50	19.22	19.39	19.22	5.00	19.50
		8	7	19.47	19.33	19.32	5.00	19.50	19.47	19.33	19.32	5.00	19.50
		15	0	19.36	19.35	19.39	5.00	19.50	19.36	19.35	19.39	5.00	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26697	26865	27033			26697	26865	27033		
				814.7 MHz	831.5 MHz	848.3 MHz			814.7 MHz	831.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	23.58	23.61	23.76	0.00	24.50	23.58	23.61	23.76	0.00	24.50
		1	3	23.62	23.74	23.75	0.00	24.50	23.62	23.74	23.75	0.00	24.50
		1	5	23.58	23.67	23.69	0.00	24.50	23.58	23.67	23.69	0.00	24.50
		3	0	23.69	23.63	23.66	0.00	24.50	23.69	23.63	23.66	0.00	24.50
		3	1	23.60	23.71	23.64	0.00	24.50	23.60	23.71	23.64	0.00	24.50
		3	3	23.62	23.69	23.70	0.00	24.50	23.62	23.69	23.70	0.00	24.50
		6	0	22.66	22.75	22.69	1.00	23.50	22.66	22.75	22.69	1.00	23.50
	16QAM	1	0	22.64	22.72	22.83	1.00	23.50	22.64	22.72	22.83	1.00	23.50
		1	3	22.71	22.82	22.93	1.00	23.50	22.71	22.82	22.93	1.00	23.50
		1	5	22.74	22.78	22.81	1.00	23.50	22.74	22.78	22.81	1.00	23.50
		3	0	22.79	22.87	22.76	1.00	23.50	22.79	22.87	22.76	1.00	23.50
		3	1	22.91	22.95	22.81	1.00	23.50	22.91	22.95	22.81	1.00	23.50
		3	3	22.92	22.94	22.81	1.00	23.50	22.92	22.94	22.81	1.00	23.50
		6	0	21.86	21.90	21.84	2.00	22.50	21.86	21.90	21.84	2.00	22.50
	64QAM	1	0	21.79	21.82	21.92	2.00	22.50	21.79	21.82	21.92	2.00	22.50
		1	3	21.82	21.96	21.79	2.00	22.50	21.82	21.96	21.79	2.00	22.50
		1	5	21.79	21.88	21.64	2.00	22.50	21.79	21.88	21.64	2.00	22.50
		3	0	21.77	21.91	21.72	2.00	22.50	21.77	21.91	21.72	2.00	22.50
		3	1	21.88	21.93	21.69	2.00	22.50	21.88	21.93	21.69	2.00	22.50
		3	3	21.86	21.93	21.70	2.00	22.50	21.86	21.93	21.70	2.00	22.50
		6	0	20.97	21.05	20.70	3.00	21.50	20.97	21.05	20.70	3.00	21.50
	256QAM	1	0	19.40	19.48	19.34	5.00	19.50	19.40	19.48	19.34	5.00	19.50
		1	3	19.37	19.49	19.47	5.00	19.50	19.37	19.49	19.47	5.00	19.50
		1	5	19.25	19.47	19.29	5.00	19.50	19.25	19.47	19.29	5.00	19.50
		3	0	19.34	19.36	19.41	5.00	19.50	19.34	19.36	19.41	5.00	19.50
		3	1	19.46	19.39	19.30	5.00	19.50	19.46	19.39	19.30	5.00	19.50
		3	3	19.25	19.25	19.33	5.00	19.50	19.25	19.25	19.33	5.00	19.50
		6	0	19.35	19.38	19.35	5.00	19.50	19.35	19.38	19.35	5.00	19.50

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LTE Band 30 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				27710 / 2310 MHz	MPR	Tune-up Limit	27710 / 2310 MHz	MPR	Tune-up Limit
10 MHz	QPSK	1	0	25.10	0.00	25.70	20.40	0.00	21.00
		1	25	25.30	0.00	25.70	21.00	0.00	21.00
		1	49	25.13	0.00	25.70	20.43	0.00	21.00
		25	0	24.12	1.00	24.70	20.42	0.00	21.00
		25	12	24.30	1.00	24.70	21.00	0.00	21.00
		25	25	24.14	1.00	24.70	20.44	0.00	21.00
		50	0	24.17	1.00	24.70	21.00	0.00	21.00
	16QAM	1	0	24.23	1.00	24.70	20.53	0.00	21.00
		1	25	24.19	1.00	24.70	20.49	0.00	21.00
		1	49	24.25	1.00	24.70	20.55	0.00	21.00
		25	0	23.21	2.00	23.70	20.51	0.00	21.00
		25	12	23.36	2.00	23.70	20.66	0.00	21.00
		25	25	23.25	2.00	23.70	20.55	0.00	21.00
		50	0	23.20	2.00	23.70	20.50	0.00	21.00
	64QAM	1	0	23.39	2.00	23.70	20.69	0.00	21.00
		1	25	23.47	2.00	23.70	20.77	0.00	21.00
		1	49	23.41	2.00	23.70	20.71	0.00	21.00
		25	0	22.19	3.00	22.70	20.49	0.00	21.00
		25	12	22.35	3.00	22.70	20.65	0.00	21.00
		25	25	22.28	3.00	22.70	20.58	0.00	21.00
		50	0	22.18	3.00	22.70	20.48	0.00	21.00
	256QAM	1	0	20.06	5.00	20.70	20.23	0.30	20.70
		1	25	20.06	5.00	20.70	20.18	0.30	20.70
		1	49	20.09	5.00	20.70	20.12	0.30	20.70
		25	0	19.92	5.00	20.70	20.36	0.30	20.70
		25	12	20.06	5.00	20.70	20.21	0.30	20.70
		25	25	19.96	5.00	20.70	20.37	0.30	20.70
		50	0	20.15	5.00	20.70	20.13	0.30	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				27710.00 / 2310 MHz	MPR	Tune-up Limit	27710.00 / 2310 MHz	MPR	Tune-up Limit
5 MHz	QPSK	1	0	25.11	0.00	25.70	20.41	0.00	21.00
		1	12	25.23	0.00	25.70	20.53	0.00	21.00
		1	24	25.19	0.00	25.70	20.49	0.00	21.00
		12	0	24.23	1.00	24.70	20.53	0.00	21.00
		12	7	24.28	1.00	24.70	20.58	0.00	21.00
		12	13	24.25	1.00	24.70	20.55	0.00	21.00
		25	0	24.25	1.00	24.70	20.55	0.00	21.00
	16QAM	1	0	24.30	1.00	24.70	20.60	0.00	21.00
		1	12	24.39	1.00	24.70	20.69	0.00	21.00
		1	24	24.39	1.00	24.70	20.69	0.00	21.00
		12	0	23.24	2.00	23.70	20.54	0.00	21.00
		12	7	23.36	2.00	23.70	20.66	0.00	21.00
		12	13	23.33	2.00	23.70	20.63	0.00	21.00
		25	0	23.20	2.00	23.70	20.50	0.00	21.00
	64QAM	1	0	23.42	2.00	23.70	20.72	0.00	21.00
		1	12	23.55	2.00	23.70	20.85	0.00	21.00
		1	24	23.52	2.00	23.70	20.82	0.00	21.00
		12	0	22.29	3.00	22.70	20.59	0.00	21.00
		12	7	22.35	3.00	22.70	20.65	0.00	21.00
		12	13	22.31	3.00	22.70	20.61	0.00	21.00
		25	0	22.28	3.00	22.70	20.58	0.00	21.00
	256QAM	1	0	20.16	5.00	20.70	20.33	0.30	20.70
		1	12	20.02	5.00	20.70	20.26	0.30	20.70
		1	24	20.06	5.00	20.70	20.36	0.30	20.70
		12	0	20.06	5.00	20.70	20.22	0.30	20.70
		12	7	19.95	5.00	20.70	20.30	0.30	20.70
		12	13	19.98	5.00	20.70	20.18	0.30	20.70
		25	0	20.03	5.00	20.70	20.13	0.30	20.70

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LTE Band 30 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				27710 / 2310 MHz	MPR	Tune-up Limit	27710 / 2310 MHz	MPR	Tune-up Limit
10 MHz	QPSK	1	0	19.28	0.00	19.75	20.63	0.00	20.75
		1	25	19.35	0.00	19.75	20.75	0.00	20.75
		1	49	19.21	0.00	19.75	20.54	0.00	20.75
		25	0	19.27	0.00	19.75	20.61	0.00	20.75
		25	12	19.35	0.00	19.75	20.75	0.00	20.75
		25	25	19.23	0.00	19.75	20.56	0.00	20.75
		50	0	19.30	0.00	19.75	20.59	0.00	20.75
	16QAM	1	0	19.71	0.00	19.75	20.68	0.00	20.75
		1	25	19.68	0.00	19.75	20.62	0.00	20.75
		1	49	19.65	0.00	19.75	20.60	0.00	20.75
		25	0	18.93	0.00	19.75	19.89	0.00	20.75
		25	12	18.96	0.00	19.75	19.85	0.00	20.75
		25	25	18.88	0.00	19.75	19.81	0.00	20.75
		50	0	18.91	0.00	19.75	20.14	0.00	20.75
	64QAM	1	0	19.28	0.00	19.75	20.10	0.00	20.75
		1	25	19.23	0.00	19.75	20.06	0.00	20.75
		1	49	19.21	0.00	19.75	19.90	0.00	20.75
		25	0	19.27	0.00	19.75	18.92	0.95	19.80
		25	12	19.32	0.00	19.75	19.04	0.95	19.80
		25	25	19.23	0.00	19.75	18.94	0.95	19.80
		50	0	19.24	0.00	19.75	18.94	0.95	19.80
	256QAM	1	0	17.06	1.95	17.80	17.06	2.95	17.80
		1	25	16.95	1.95	17.80	16.92	2.95	17.80
		1	49	16.99	1.95	17.80	17.03	2.95	17.80
		25	0	17.05	1.95	17.80	16.95	2.95	17.80
		25	12	17.06	1.95	17.80	17.16	2.95	17.80
		25	25	17.17	1.95	17.80	16.97	2.95	17.80
		50	0	17.10	1.95	17.80	16.90	2.95	17.80

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				27710 / 2310 MHz	MPR	Tune-up Limit	27710 / 2310 MHz	MPR	Tune-up Limit
5 MHz	QPSK	1	0	19.34	0.00	19.75	20.63	0.00	20.75
		1	12	19.33	0.00	19.75	20.57	0.00	20.75
		1	24	19.28	0.00	19.75	20.55	0.00	20.75
		12	0	19.35	0.00	19.75	20.61	0.00	20.75
		12	7	19.20	0.00	19.75	20.66	0.00	20.75
		12	13	19.30	0.00	19.75	20.58	0.00	20.75
		25	0	19.34	0.00	19.75	20.58	0.00	20.75
	16QAM	1	0	19.10	0.00	19.75	20.69	0.00	20.75
		1	12	19.20	0.00	19.75	20.65	0.00	20.75
		1	24	19.30	0.00	19.75	20.61	0.00	20.75
		12	0	19.03	0.00	19.75	19.88	0.00	20.75
		12	7	19.08	0.00	19.75	19.93	0.00	20.75
		12	13	19.02	0.00	19.75	19.82	0.00	20.75
		25	0	18.92	0.00	19.75	19.82	0.00	20.75
	64QAM	1	0	19.34	0.00	19.75	19.88	0.00	20.75
		1	12	19.33	0.00	19.75	19.77	0.00	20.75
		1	24	19.28	0.00	19.75	19.77	0.00	20.75
		12	0	19.35	0.00	19.75	18.85	0.95	19.80
		12	7	19.10	0.00	19.75	18.99	0.95	19.80
		12	13	19.30	0.00	19.75	18.94	0.95	19.80
		25	0	19.20	0.00	19.75	18.97	0.95	19.80
	256QAM	1	0	17.09	1.95	17.80	16.92	2.95	17.80
		1	12	17.15	1.95	17.80	16.95	2.95	17.80
		1	24	17.01	1.95	17.80	16.96	2.95	17.80
		12	0	16.94	1.95	17.80	17.18	2.95	17.80
		12	7	16.91	1.95	17.80	16.91	2.95	17.80
		12	13	16.95	1.95	17.80	16.93	2.95	17.80
		25	0	16.96	1.95	17.80	16.93	2.95	17.80

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LTE Band 30 Measured Results (ANT3)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				27710.00 2310 MHz	MPR	Tune-up Limit	27710.00 2310 MHz	MPR	Tune-up Limit
10 MHz	QPSK	1	0	24.36	0.00	24.70	19.50	0.00	20.25
		1	25	24.50	0.00	24.70	19.46	0.00	20.25
		1	49	24.31	0.00	24.70	19.51	0.00	20.25
		25	0	23.36	1.00	23.70	19.49	0.00	20.25
		25	12	23.50	1.00	23.70	19.66	0.00	20.25
		25	25	23.39	1.00	23.70	19.56	0.00	20.25
		50	0	23.33	1.00	23.70	19.48	0.00	20.25
	16QAM	1	0	23.40	1.00	23.70	19.57	0.00	20.25
		1	25	23.46	1.00	23.70	19.59	0.00	20.25
		1	49	23.44	1.00	23.70	19.54	0.00	20.25
		25	0	22.45	2.00	22.70	19.58	0.00	20.25
		25	12	22.58	2.00	22.70	19.72	0.00	20.25
		25	25	22.50	2.00	22.70	19.63	0.00	20.25
		50	0	22.35	2.00	22.70	19.48	0.00	20.25
	64QAM	1	0	22.66	2.00	22.70	19.90	0.00	20.25
		1	25	22.65	2.00	22.70	19.87	0.00	20.25
		1	49	22.58	2.00	22.70	19.68	0.00	20.25
		25	0	21.41	3.00	21.70	19.58	0.00	20.25
		25	12	21.54	3.00	21.70	19.70	0.00	20.25
		25	25	21.51	3.00	21.70	19.65	0.00	20.25
		50	0	21.34	3.00	21.70	19.50	0.00	20.25
	256QAM	1	0	18.75	5.00	19.70	18.83	0.55	19.70
		1	25	18.73	5.00	19.70	18.73	0.55	19.70
		1	49	18.86	5.00	19.70	18.83	0.55	19.70
		25	0	18.94	5.00	19.70	18.86	0.55	19.70
		25	12	18.78	5.00	19.70	18.75	0.55	19.70
		25	25	18.94	5.00	19.70	19.00	0.55	19.70
		50	0	19.00	5.00	19.70	18.72	0.55	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				27710.00 2310 MHz	MPR	Tune-up Limit	27710.00 2310 MHz	MPR	Tune-up Limit
5 MHz	QPSK	1	0	24.28	0.00	24.70	19.51	0.00	20.25
		1	12	24.37	0.00	24.70	19.61	0.00	20.25
		1	24	24.35	0.00	24.70	19.56	0.00	20.25
		12	0	23.42	1.00	23.70	19.64	0.00	20.25
		12	7	23.42	1.00	23.70	19.66	0.00	20.25
		12	13	23.40	1.00	23.70	19.66	0.00	20.25
		25	0	23.37	1.00	23.70	19.66	0.00	20.25
	16QAM	1	0	23.41	1.00	23.70	19.66	0.00	20.25
		1	12	23.40	1.00	23.70	19.73	0.00	20.25
		1	24	23.30	1.00	23.70	19.72	0.00	20.25
		12	0	22.44	2.00	22.70	19.69	0.00	20.25
		12	7	22.51	2.00	22.70	19.73	0.00	20.25
		12	13	22.46	2.00	22.70	19.70	0.00	20.25
		25	0	22.32	2.00	22.70	19.61	0.00	20.25
	64QAM	1	0	22.53	2.00	22.70	19.76	0.00	20.25
		1	12	22.68	2.00	22.70	19.89	0.00	20.25
		1	24	22.64	2.00	22.70	19.83	0.00	20.25
		12	0	21.47	3.00	21.70	19.69	0.00	20.25
		12	7	21.48	3.00	21.70	19.70	0.00	20.25
		12	13	21.46	3.00	21.70	19.72	0.00	20.25
		25	0	21.42	3.00	21.70	19.66	0.00	20.25
	256QAM	1	0	18.87	5.00	19.70	18.88	0.55	19.70
		1	12	18.99	5.00	19.70	18.90	0.55	19.70
		1	24	18.92	5.00	19.70	18.72	0.55	19.70
		12	0	18.75	5.00	19.70	18.89	0.55	19.70
		12	7	18.76	5.00	19.70	18.99	0.55	19.70
		12	13	18.97	5.00	19.70	18.79	0.55	19.70
		25	0	18.87	5.00	19.70	18.97	0.55	19.70

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LTE Band 30 Measured Results (ANT4)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				27710 / 2310 MHz	MPR	Tune-up Limit	27710 / 2310 MHz	MPR	Tune-up Limit
10 MHz	QPSK	1	0	18.06	0.00	18.50	20.66	0.00	21.00
		1	25	18.50	0.00	18.50	20.75	0.00	21.00
		1	49	18.01	0.00	18.50	20.61	0.00	21.00
		25	0	18.05	0.00	18.50	20.65	0.00	21.00
		25	12	18.50	0.00	18.50	20.75	0.00	21.00
		25	25	18.00	0.00	18.50	20.60	0.00	21.00
		50	0	18.50	0.00	18.50	20.61	0.00	21.00
	16QAM	1	0	18.46	0.00	18.50	20.51	0.00	21.00
		1	25	18.39	0.00	18.50	20.44	0.00	21.00
		1	49	18.41	0.00	18.50	20.46	0.00	21.00
		25	0	17.78	0.00	18.50	19.83	0.80	20.20
		25	12	17.82	0.00	18.50	19.87	0.80	20.20
		25	25	17.76	0.00	18.50	19.81	0.80	20.20
		50	0	17.77	0.00	18.50	19.82	0.80	20.20
	64QAM	1	0	18.06	0.00	18.50	20.11	0.80	20.20
		1	25	17.99	0.00	18.50	20.04	0.80	20.20
		1	49	18.01	0.00	18.50	20.06	0.80	20.20
		25	0	18.05	0.60	18.50	19.10	1.80	19.20
		25	12	18.09	0.00	18.50	19.14	1.80	19.20
		25	25	18.00	0.00	18.50	19.05	1.80	19.20
		50	0	18.01	0.00	18.50	19.06	1.80	19.20
	256QAM	1	0	17.00	1.30	17.20	16.92	3.80	17.20
		1	25	16.93	1.30	17.20	17.02	3.80	17.20
		1	49	17.10	1.30	17.20	17.03	3.80	17.20
		25	0	17.07	1.30	17.20	16.94	3.80	17.20
		25	12	16.97	1.30	17.20	17.04	3.80	17.20
		25	25	16.92	1.30	17.20	17.20	3.80	17.20
		50	0	17.11	1.30	17.20	17.07	3.80	17.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				27710 / 2310 MHz	MPR	Tune-up Limit	27710 / 2310 MHz	MPR	Tune-up Limit
5 MHz	QPSK	1	0	18.05	0.00	18.50	20.65	0.00	21.00
		1	12	18.07	0.00	18.50	20.67	0.00	21.00
		1	24	18.04	0.00	18.50	20.64	0.00	21.00
		12	0	18.08	0.00	18.50	20.68	0.00	21.00
		12	7	18.11	0.00	18.50	20.71	0.00	21.00
		12	13	18.09	0.00	18.50	20.69	0.00	21.00
		25	0	18.08	0.00	18.50	20.68	0.00	21.00
	16QAM	1	0	18.19	0.00	18.50	20.70	0.00	21.00
		1	12	18.19	0.00	18.50	20.60	0.00	21.00
		1	24	18.17	0.00	18.50	20.55	0.00	21.00
		12	0	17.84	0.00	18.50	19.74	0.80	20.20
		12	7	17.88	0.00	18.50	19.78	0.80	20.20
		12	13	17.85	0.00	18.50	19.75	0.80	20.20
		25	0	17.77	0.00	18.50	19.67	0.80	20.20
	64QAM	1	0	18.07	0.00	18.50	19.98	0.80	20.20
		1	12	18.04	0.00	18.50	20.09	0.80	20.20
		1	24	18.08	0.00	18.50	20.09	0.80	20.20
		12	0	18.11	0.60	18.50	19.07	1.80	19.20
		12	7	18.09	0.00	18.50	18.74	1.80	19.20
		12	13	18.08	0.00	18.50	18.78	1.80	19.20
		25	0	18.19	0.00	18.50	18.77	1.80	19.20
	256QAM	1	0	17.07	1.30	17.20	17.05	3.80	17.20
		1	12	16.95	1.30	17.20	17.06	3.80	17.20
		1	24	17.06	1.30	17.20	17.02	3.80	17.20
		12	0	17.19	1.30	17.20	17.16	3.80	17.20
		12	7	17.18	1.30	17.20	17.02	3.80	17.20
		12	13	16.99	1.30	17.20	17.17	3.80	17.20
		25	0	17.07	1.30	17.20	17.00	3.80	17.20

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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	25.19	25.03	24.79	24.87	24.75	0.00	25.70	21.73	21.57	21.33	21.41	21.29	0.00	22.25
		1	49	25.20	25.20	25.20	25.20	25.20	0.00	25.70	22.10	22.10	22.10	22.10	22.10	0.00	22.25
		1	99	25.15	25.10	24.80	24.71	24.99	0.00	25.70	21.69	21.64	21.34	21.25	21.53	0.00	22.25
		50	0	24.23	24.03	24.01	24.02	23.90	1.00	24.70	21.77	21.57	21.55	21.56	21.44	0.00	22.25
		50	24	24.30	24.30	24.30	24.30	24.30	1.00	24.70	22.10	22.10	22.10	22.10	22.10	0.00	22.25
		50	50	24.20	24.05	24.03	23.99	24.11	1.00	24.70	21.74	21.59	21.57	21.53	21.65	0.00	22.25
		100	0	24.15	23.99	24.30	23.94	24.06	1.00	24.70	21.69	21.53	22.10	21.48	21.60	0.00	22.25
	16QAM	1	0	24.60	24.53	24.20	24.31	24.13	1.00	24.70	22.14	22.07	21.74	21.85	21.67	0.00	22.25
		1	49	24.60	24.51	24.50	24.54	24.49	1.00	24.70	22.14	22.05	22.04	22.08	22.03	0.00	22.25
		1	99	24.59	24.49	24.22	24.11	24.45	1.00	24.70	22.13	22.03	21.76	21.65	21.99	0.00	22.25
		50	0	23.28	23.07	23.04	23.07	22.96	2.00	23.70	21.82	21.61	21.58	21.61	21.50	0.00	22.25
		50	24	23.27	23.13	23.17	23.10	23.19	2.00	23.70	21.81	21.67	21.71	21.64	21.73	0.00	22.25
		50	50	23.25	23.11	23.09	23.01	23.19	2.00	23.70	21.79	21.65	21.63	21.55	21.73	0.00	22.25
		100	0	23.14	22.97	23.04	22.94	23.05	2.00	23.70	21.68	21.51	21.58	21.48	21.59	0.00	22.25
	64QAM	1	0	23.45	23.32	23.05	23.14	22.89	2.00	23.70	21.99	21.86	21.59	21.68	21.43	0.00	22.25
		1	49	23.47	23.37	23.38	23.40	23.39	2.00	23.70	22.01	21.91	21.92	21.94	21.93	0.00	22.25
		1	99	23.48	23.39	23.10	22.97	23.35	2.00	23.70	22.02	21.93	21.64	21.51	21.89	0.00	22.25
		50	0	22.29	22.07	22.07	22.06	21.95	3.00	22.70	21.94	21.72	21.72	21.71	21.60	0.00	22.25
		50	24	22.29	22.12	22.18	22.10	22.18	3.00	22.70	21.94	21.77	21.83	21.75	21.83	0.00	22.25
		50	50	22.24	22.09	22.07	22.05	22.17	3.00	22.70	21.89	21.74	21.72	21.70	21.82	0.00	22.25
		100	0	22.19	22.06	22.09	22.01	22.09	3.00	22.70	21.84	21.71	21.74	21.66	21.74	0.00	22.25
	256QAM	1	0	19.94	20.07	20.03	20.14	20.00	5.00	20.70	19.94	20.03	19.91	19.88	20.03	1.55	20.70
		1	49	20.14	20.00	20.14	20.18	20.00	5.00	20.70	19.94	20.03	19.91	20.02	20.02	1.55	20.70
		1	99	20.01	19.96	20.14	20.16	19.92	5.00	20.70	20.05	19.91	20.00	20.02	19.86	1.55	20.70
		50	0	20.12	20.20	20.06	20.16	19.99	5.00	20.70	19.96	19.95	20.05	20.07	20.00	1.55	20.70
		50	24	19.99	20.19	19.97	19.97	20.05	5.00	20.70	20.09	19.91	19.93	19.80	19.98	1.55	20.70
		50	50	19.95	19.90	20.10	20.09	20.14	5.00	20.70	20.01	19.90	19.89	19.88	19.90	1.55	20.70
		100	0	20.16	20.15	19.92	20.15	19.91	5.00	20.70	19.98	19.81	19.96	20.07	19.96	1.55	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
15 MHz	QPSK	1	0	25.15	24.74	24.80	24.93	24.71	0.00	25.70	21.69	21.28	21.34	21.47	21.28	0.00	22.25
		1	37	25.11	24.96	24.98	25.00	24.97	0.00	25.70	21.65	21.50	21.52	21.54	21.51	0.00	22.25
		1	74	25.12	24.78	24.81	24.76	24.97	0.00	25.70	21.66	21.32	21.35	21.30	21.51	0.00	22.25
		36	0	24.24	23.97	24.07	24.04	23.97	1.00	24.70	21.78	21.51	21.61	21.58	21.51	0.00	22.25
		36	20	24.24	24.10	24.15	24.07	24.10	1.00	24.70	21.78	21.64	21.69	21.61	21.64	0.00	22.25
		36	39	24.24	24.01	24.10	24.09	24.12	1.00	24.70	21.78	21.55	21.64	21.63	21.66	0.00	22.25
		75	0	24.16	24.02	24.07	23.98	24.05	1.00	24.70	21.70	21.56	21.61	21.52	21.59	0.00	22.25
	16QAM	1	0	24.52	24.23	24.21	24.26	24.09	1.00	24.70	22.06	21.77	21.75	21.80	21.63	0.00	22.25
		1	37	24.61	24.46	24.50	24.45	24.43	1.00	24.70	22.15	22.00	22.04	21.99	21.97	0.00	22.25
		1	74	24.59	24.24	24.27	24.21	24.39	1.00	24.70	22.13	21.78	21.81	21.75	21.93	0.00	22.25
		36	0	23.26	22.99	23.07	23.09	22.99	2.00	23.70	21.80	21.53	21.61	21.63	21.53	0.00	22.25
		36	20	23.25	23.13	23.18	23.09	23.15	2.00	23.70	21.79	21.67	21.72	21.63	21.69	0.00	22.25
		36	39	23.26	23.07	23.13	23.12	23.18	2.00	23.70	21.80	21.61	21.67	21.66	21.72	0.00	22.25
		75	0	23.20	23.01	23.10	23.01	23.08	2.00	23.70	21.74	21.55	21.64	21.55	21.62	0.00	22.25
	64QAM	1	0	23.34	23.04	22.78	23.16	22.95	2.00	23.70	21.88	21.58	21.32	21.70	21.49	0.00	22.25
		1	37	23.31	23.20	22.97	23.26	23.23	2.00	23.70	21.85	21.74	21.51	21.80	21.77	0.00	22.25
		1	74	23.37	23.04	22.81	23.03	23.25	2.00	23.70	21.91	21.58	21.35	21.57	21.79	0.00	22.25
		36	0	22.24	21.95	22.17	22.06	21.95	3.00	22.70	21.89	21.60	21.82	21.71	21.60	0.00	22.25
		36	20	22.24	22.06	22.23	22.09	22.11	3.00	22.70	21.89	21.71	21.88	21.74	21.76	0.00	22.25
		36	39	22.17	22.02	22.23	22.03	22.11	3.00	22.70	21.82	21.67	21.88	21.68	21.76	0.00	22.25
		75	0	22.18	22.03	22.10	22.04	22.10	3.00	22.70	21.83	21.68	21.75	21.69	21.75	0.00	22.25
	256QAM	1	0	19.98	19.98	19.98	20.10	20.10	5.00	20.70	20.05	19.97	19.89	19.91	19.86	1.55	20.70
		1	37	19.96	20.13	20.04	20.11	19.95	5.00	20.70	20.02	20.05	19.92	19.82	19.86	1.55	20.70
		1	74	20.15	19.90	20.15	20.14	19.96	5.00	20.70	20.01	20.02	19.92	19.91	20.03	1.55	20.70
		36	0	20.10	19.98	20.11	19.97	19.96	5.00	20.70	19.81	20.01	19.99	19.88	19.81	1.55	20.70
		36	20	20.11	20.18	20.12	20.01	20.12	5.00	20.70	20.04	19.84	19.82	19.84	19.86	1.55	20.70
		36	39	19.95	20.03	19.95	20.12	20.04	5.00	20.70	19.96	20.01	20.07	19.89	19.83	1.55	20.70
		75	0	19.97	19.94	20.01	19.96	19.99	5.00	20.70	19.85	19.94	20.02	20.04	19.84	1.55	20.70

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

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
10 MHz	QPSK	1	0	25.18	24.82	24.81	24.84	24.82	0.00	25.70	21.72	21.36	21.35	21.38	21.36	0.00	22.25
		1	25	25.20	25.10	25.09	25.10	25.12	0.00	25.70	21.74	21.64	21.63	21.64	21.66	0.00	22.25
		1	49	25.17	24.83	24.80	24.81	24.86	0.00	25.70	21.71	21.37	21.34	21.35	21.40	0.00	22.25
		25	0	24.31	24.10	24.14	24.06	24.07	1.00	24.70	21.85	21.64	21.68	21.60	21.61	0.00	22.25
		25	12	24.27	24.16	24.17	24.12	24.20	1.00	24.70	21.81	21.70	21.71	21.66	21.74	0.00	22.25
		25	25	24.27	24.07	24.06	24.09	24.08	1.00	24.70	21.81	21.61	21.60	21.63	21.62	0.00	22.25
		50	0	24.17	24.10	24.10	24.04	24.10	1.00	24.70	21.71	21.64	21.64	21.58	21.64	0.00	22.25
	16QAM	1	0	24.68	24.29	24.34	24.41	24.39	1.00	24.70	22.22	21.83	21.88	21.95	21.93	0.00	22.25
		1	25	24.66	24.64	24.60	24.63	24.58	1.00	24.70	22.20	22.18	22.14	22.17	22.12	0.00	22.25
		1	49	24.60	24.44	24.32	24.41	24.38	1.00	24.70	22.14	21.98	21.86	21.95	21.92	0.00	22.25
		25	0	23.30	23.19	23.14	23.09	23.10	2.00	23.70	21.84	21.73	21.68	21.63	21.64	0.00	22.25
		25	12	23.34	23.24	23.22	23.15	23.21	2.00	23.70	21.88	21.78	21.76	21.69	21.75	0.00	22.25
		25	25	23.30	23.10	23.13	23.17	23.13	2.00	23.70	21.84	21.64	21.67	21.71	21.67	0.00	22.25
		50	0	23.25	23.13	23.16	23.13	23.17	2.00	23.70	21.79	21.67	21.70	21.67	21.71	0.00	22.25
	64QAM	1	0	23.42	23.08	23.07	23.09	23.06	2.00	23.70	21.96	21.62	21.61	21.63	21.60	0.00	22.25
		1	25	23.51	23.31	23.39	23.39	23.38	2.00	23.70	22.05	21.85	21.93	21.93	21.92	0.00	22.25
		1	49	23.49	23.08	23.15	23.17	23.12	2.00	23.70	22.03	21.62	21.69	21.71	21.66	0.00	22.25
		25	0	22.20	22.07	22.11	21.98	22.02	3.00	22.70	21.85	21.72	21.76	21.63	21.67	0.00	22.25
		25	12	22.23	22.12	22.13	22.10	22.15	3.00	22.70	21.88	21.77	21.78	21.75	21.80	0.00	22.25
		25	25	22.22	22.01	22.03	22.07	22.03	3.00	22.70	21.87	21.66	21.68	21.72	21.68	0.00	22.25
		50	0	22.18	22.09	22.08	22.01	22.06	3.00	22.70	21.83	21.74	21.73	21.66	21.71	0.00	22.25
	256QAM	1	0	20.20	20.03	20.06	20.19	20.00	5.00	20.70	20.04	19.82	19.86	19.86	19.87	1.55	20.70
		1	25	19.91	20.10	19.98	20.16	19.91	5.00	20.70	19.82	20.05	19.95	20.07	20.08	1.55	20.70
		1	49	20.03	20.11	20.15	20.13	20.12	5.00	20.70	19.86	19.85	19.98	20.05	19.87	1.55	20.70
		25	0	19.97	20.06	19.94	19.91	19.90	5.00	20.70	19.90	20.04	20.06	20.10	19.89	1.55	20.70
		25	12	20.19	19.97	20.08	20.07	20.01	5.00	20.70	20.05	20.05	19.81	20.10	19.93	1.55	20.70
		25	25	19.92	20.15	20.19	20.20	20.13	5.00	20.70	19.96	19.81	20.05	19.94	19.93	1.55	20.70
		50	0	19.91	19.97	19.91	20.02	20.06	5.00	20.70	20.04	19.98	20.07	19.87	19.83	1.55	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
5 MHz	QPSK	1	0	25.26	25.05	25.07	25.02	25.10	0.00	25.70	21.80	21.59	21.61	21.56	21.64	0.00	22.25
		1	12	25.17	25.08	25.07	25.11	25.13	0.00	25.70	21.71	21.62	21.61	21.65	21.67	0.00	22.25
		1	24	25.19	25.10	25.04	25.09	25.07	0.00	25.70	21.73	21.64	21.58	21.63	21.61	0.00	22.25
		12	0	24.32	24.14	24.16	24.07	24.16	1.00	24.70	21.86	21.68	21.70	21.61	21.70	0.00	22.25
		12	7	24.28	24.20	24.15	24.08	24.21	1.00	24.70	21.82	21.74	21.69	21.62	21.75	0.00	22.25
		12	13	24.23	24.19	24.10	24.13	24.18	1.00	24.70	21.77	21.73	21.64	21.67	21.72	0.00	22.25
		25	0	24.27	24.12	24.16	24.08	24.13	1.00	24.70	21.81	21.66	21.70	21.62	21.67	0.00	22.25
	16QAM	1	0	24.60	24.50	24.53	24.45	24.49	1.00	24.70	22.14	22.04	22.07	21.99	22.03	0.00	22.25
		1	12	24.53	24.54	24.46	24.51	24.53	1.00	24.70	22.07	22.08	22.00	22.05	22.07	0.00	22.25
		1	24	24.56	24.48	24.52	24.49	24.48	1.00	24.70	22.10	22.02	22.06	22.03	22.02	0.00	22.25
		12	0	23.31	23.26	23.29	23.18	23.28	2.00	23.70	21.85	21.80	21.83	21.72	21.82	0.00	22.25
		12	7	23.38	23.26	23.29	23.19	23.28	2.00	23.70	21.92	21.80	21.83	21.73	21.82	0.00	22.25
		12	13	23.34	23.22	23.23	23.25	23.26	2.00	23.70	21.88	21.76	21.77	21.79	21.80	0.00	22.25
		25	0	23.27	23.16	23.15	23.11	23.18	2.00	23.70	21.81	21.70	21.69	21.65	21.72	0.00	22.25
	64QAM	1	0	23.62	23.50	23.48	23.44	23.50	2.00	23.70	22.16	22.04	22.02	21.98	22.04	0.00	22.25
		1	12	23.65	23.52	23.57	23.51	23.51	2.00	23.70	22.19	22.06	22.11	22.05	22.05	0.00	22.25
		1	24	23.65	23.51	23.41	23.46	23.44	2.00	23.70	22.19	22.05	21.95	22.00	21.98	0.00	22.25
		12	0	22.23	22.16	22.12	22.07	22.14	3.00	22.70	21.88	21.81	21.77	21.72	21.79	0.00	22.25
		12	7	22.27	22.17	22.12	22.05	22.17	3.00	22.70	21.92	21.82	21.77	21.70	21.82	0.00	22.25
		12	13	22.28	22.10	22.08	22.12	22.12	3.00	22.70	21.93	21.75	21.73	21.77	21.77	0.00	22.25
		25	0	22.16	22.04	22.03	21.99	22.04	3.00	22.70	21.81	21.69	21.68	21.64	21.69	0.00	22.25
	256QAM	1	0	20.12	20.19	19.97	20.15	20.11	5.00	20.70	19.95	19.97	19.88	19.98	19.81	1.55	20.70
		1	12	20.01	19.94	19.95	20.07	20.06	5.00	20.70	19.87	19.95	20.07	19.94	19.97	1.55	20.70
		1	24	20.02	19.96	20.16	20.02	19.90	5.00	20.70	19.92	19.98	19.89	19.94	20.01	1.55	20.70
		12	0	20.17	19.94	20.19	19.94	19.93	5.00	20.70	19.93	19.86	20.07	20.09	19.80	1.55	20.70
		12	7	19.98	19.97	20.11	20.18	19.94	5.00	20.70	19.93	20.00	19.89	19.96	20.05	1.55	20.70
		12	13	19.94	19.94	20.04	20.20	20.07	5.00	20.70	20.06	20.10	20.04	19.84	20.08	1.55	20.70
		25	0	19.97	20.12	20.12	19.92	20.14	5.00	20.70	19.99	20.05	19.95	19.80	19.99	1.55	20.70

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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	18.24	18.23	17.80	17.79	17.65	0.00	18.50	19.49	19.48	19.05	19.04	18.90	0.00	19.75
		1	49	18.50	18.50	18.50	18.50	18.50	0.00	18.50	19.75	19.75	19.75	19.75	19.75	0.00	19.75
		1	99	18.21	18.11	17.74	17.53	18.01	0.00	18.50	19.46	19.36	18.99	18.78	19.26	0.00	19.75
		50	0	18.23	18.16	18.00	17.96	17.90	0.00	18.50	19.48	19.41	19.25	19.21	19.15	0.00	19.75
		50	24	18.50	18.50	18.50	18.50	18.50	0.00	18.50	19.75	19.75	19.75	19.75	19.75	0.00	19.75
		50	50	18.29	18.17	18.07	17.90	18.15	0.00	18.50	19.54	19.42	19.32	19.15	19.40	0.00	19.75
		100	0	18.24	18.14	18.50	17.89	18.08	0.00	18.50	19.49	19.39	19.75	19.14	19.33	0.00	19.75
	16QAM	1	0	18.41	18.40	17.97	17.93	17.78	0.00	18.50	19.66	19.65	19.22	19.18	19.03	0.00	19.75
		1	49	18.40	18.37	18.26	18.17	18.26	0.00	18.50	19.65	19.62	19.51	19.42	19.51	0.00	19.75
		1	99	18.42	18.28	17.91	17.68	18.18	0.00	18.50	19.67	19.53	19.16	18.93	19.43	0.00	19.75
		50	0	18.26	18.21	18.05	17.99	17.96	0.00	18.50	19.51	19.46	19.30	19.24	19.21	0.00	19.75
		50	24	18.36	18.30	18.22	18.05	18.21	0.00	18.50	19.61	19.55	19.47	19.30	19.46	0.00	19.75
		50	50	18.33	18.22	18.11	17.97	18.22	0.00	18.50	19.58	19.47	19.36	19.22	19.47	0.00	19.75
		100	0	18.25	18.11	18.08	17.90	18.09	0.00	18.50	19.50	19.36	19.33	19.15	19.34	0.00	19.75
	64QAM	1	0	18.36	18.31	18.00	17.81	17.76	0.00	18.50	19.61	19.56	19.25	19.06	19.01	0.00	19.75
		1	49	18.32	18.26	18.15	18.09	18.15	0.00	18.50	19.57	19.51	19.40	19.34	19.40	0.00	19.75
		1	99	18.35	18.21	17.81	17.62	18.10	0.00	18.50	19.60	19.46	19.06	18.87	19.35	0.00	19.75
		50	0	18.29	18.23	18.06	18.02	17.98	0.00	18.50	19.54	19.48	19.31	19.27	19.23	0.00	19.75
		50	24	18.38	18.32	18.23	18.06	18.22	0.00	18.50	19.63	19.57	19.48	19.31	19.47	0.00	19.75
		50	50	18.35	18.25	18.11	18.01	18.25	0.00	18.50	19.60	19.50	19.36	19.26	19.50	0.00	19.75
		100	0	18.30	18.18	18.13	17.93	18.16	0.00	18.50	19.55	19.43	19.38	19.18	19.41	0.00	19.75
	256QAM	1	0	17.04	17.12	16.91	17.02	17.00	0.70	17.80	17.13	17.17	17.10	16.92	17.07	1.95	17.80
		1	49	17.15	16.95	17.07	17.08	17.09	0.70	17.80	16.99	16.92	16.98	17.04	16.96	1.95	17.80
		1	99	17.19	17.09	17.10	17.17	17.09	0.70	17.80	16.96	16.92	17.01	17.19	16.99	1.95	17.80
		50	0	17.16	17.13	17.19	17.16	17.12	0.70	17.80	16.92	17.01	16.95	17.08	17.05	1.95	17.80
		50	24	17.19	16.91	16.90	16.97	17.15	0.70	17.80	17.10	17.11	17.08	16.91	17.16	1.95	17.80
		50	50	16.97	16.99	16.92	16.93	17.09	0.70	17.80	17.14	17.13	17.18	17.00	16.98	1.95	17.80
		100	0	17.12	17.08	16.96	17.04	16.98	0.70	17.80	17.00	17.14	17.04	16.95	17.00	1.95	17.80

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
15 MHz	QPSK	1	0	18.24	17.99	17.92	17.87	17.81	0.00	18.50	19.49	19.24	19.17	19.12	19.06	0.00	19.75
		1	37	18.20	18.16	18.03	17.98	18.08	0.00	18.50	19.45	19.41	19.28	19.23	19.33	0.00	19.75
		1	74	18.24	17.91	17.87	17.72	18.05	0.00	18.50	19.49	19.16	19.12	18.97	19.30	0.00	19.75
		36	0	18.32	18.12	18.03	17.97	17.96	0.00	18.50	19.57	19.37	19.28	19.22	19.21	0.00	19.75
		36	20	18.31	18.25	18.16	17.99	18.16	0.00	18.50	19.56	19.50	19.41	19.24	19.41	0.00	19.75
		36	39	18.30	18.15	18.12	17.97	18.18	0.00	18.50	19.55	19.40	19.37	19.22	19.43	0.00	19.75
		75	0	18.26	18.17	18.09	17.90	18.10	0.00	18.50	19.51	19.42	19.34	19.15	19.35	0.00	19.75
	16QAM	1	0	18.43	18.05	18.04	17.96	17.96	0.00	18.50	19.68	19.30	19.29	19.21	19.21	0.00	19.75
		1	37	18.38	18.30	18.19	18.10	18.21	0.00	18.50	19.63	19.55	19.44	19.35	19.46	0.00	19.75
		1	74	18.31	18.04	17.93	17.86	18.21	0.00	18.50	19.56	19.29	19.18	19.11	19.46	0.00	19.75
		36	0	18.36	18.15	18.05	18.00	17.99	0.00	18.50	19.61	19.40	19.30	19.25	19.24	0.00	19.75
		36	20	18.34	18.25	18.20	18.02	18.22	0.00	18.50	19.59	19.50	19.45	19.27	19.47	0.00	19.75
		36	39	18.34	18.20	18.14	18.02	18.19	0.00	18.50	19.59	19.45	19.39	19.27	19.44	0.00	19.75
		75	0	18.28	18.20	18.07	17.96	18.11	0.00	18.50	19.53	19.45	19.32	19.21	19.36	0.00	19.75
	64QAM	1	0	18.05	17.91	17.89	17.76	17.65	0.00	18.50	19.30	19.16	19.14	19.01	18.90	0.00	19.75
		1	37	18.11	18.04	17.92	17.90	17.97	0.00	18.50	19.36	19.29	19.17	19.15	19.22	0.00	19.75
		1	74	18.16	17.76	17.76	17.60	17.95	0.00	18.50	19.41	19.01	19.01	18.85	19.20	0.00	19.75
		36	0	18.32	18.13	18.00	17.98	17.97	0.00	18.50	19.57	19.38	19.25	19.23	19.22	0.00	19.75
		36	20	18.32	18.25	18.15	18.01	18.19	0.00	18.50	19.57	19.50	19.40	19.26	19.44	0.00	19.75
		36	39	18.30	18.15	18.11	17.99	18.18	0.00	18.50	19.55	19.40	19.36	19.24	19.43	0.00	19.75
		75	0	18.32	18.23	18.11	17.98	18.13	0.00	18.50	19.57	19.48	19.36	19.23	19.38	0.00	19.75
	256QAM	1	0	17.02	17.15	17.02	16.93	17.01	0.70	17.80	16.93	17.01	17.06	17.18	17.09	1.95	17.80
		1	37	17.18	17.02	17.07	16.91	17.03	0.70	17.80	17.01	17.08	17.08	17.00	16.97	1.95	17.80
		1	74	17.06	17.13	17.02	16.92	16.94	0.70	17.80	17.17	17.13	16.93	16.92	17.04	1.95	17.80
		36	0	16.97	16.96	16.91	17.14	17.05	0.70	17.80	17.12	17.07	17.07	17.07	16.94	1.95	17.80
		36	20	16.94	17.18	17.05	17.14	17.00	0.70	17.80	17.11	16.91	16.98	16.91	17.05	1.95	17.80
		36	39	16.92	17.16	16.96	17.13	17.11	0.70	17.80	17.15	16.93	17.10	16.97	17.05	1.95	17.80
		75	0	17.10	17.08	17.02	16.94	17.16	0.70	17.80	17.17	17.17	17.01	17.10	17.19	1.95	17.80

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

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
10 MHz	QPSK	1	0	18.26	17.79	17.85	17.69	17.79	0.00	18.50	19.51	19.04	19.10	18.94	19.04	0.00	19.75
		1	25	18.27	18.12	18.05	17.98	18.13	0.00	18.50	19.52	19.37	19.30	19.23	19.38	0.00	19.75
		1	49	18.19	17.88	17.74	17.68	17.82	0.00	18.50	19.44	19.13	18.99	18.93	19.07	0.00	19.75
		25	0	18.37	18.21	18.13	17.94	18.05	0.00	18.50	19.62	19.46	19.38	19.19	19.30	0.00	19.75
		25	12	18.42	18.21	18.16	18.00	18.23	0.00	18.50	19.67	19.46	19.41	19.25	19.48	0.00	19.75
		25	25	18.35	18.23	18.08	18.03	18.15	0.00	18.50	19.60	19.48	19.33	19.28	19.40	0.00	19.75
		50	0	18.29	18.14	18.10	17.91	18.11	0.00	18.50	19.54	19.39	19.35	19.16	19.36	0.00	19.75
	16QAM	1	0	18.45	18.02	18.00	17.88	17.95	0.00	18.50	19.70	19.27	19.25	19.13	19.20	0.00	19.75
		1	25	18.37	18.24	18.14	18.09	18.19	0.00	18.50	19.62	19.49	19.39	19.34	19.44	0.00	19.75
		1	49	18.39	18.03	17.96	17.89	18.07	0.00	18.50	19.64	19.28	19.21	19.14	19.32	0.00	19.75
		25	0	18.39	18.26	18.19	18.00	18.10	0.00	18.50	19.64	19.51	19.44	19.25	19.35	0.00	19.75
		25	12	18.40	18.32	18.24	18.07	18.26	0.00	18.50	19.65	19.57	19.49	19.32	19.51	0.00	19.75
		25	25	18.38	18.28	18.13	18.07	18.22	0.00	18.50	19.63	19.53	19.38	19.32	19.47	0.00	19.75
		50	0	18.29	18.28	18.12	18.02	18.18	0.00	18.50	19.54	19.53	19.37	19.27	19.43	0.00	19.75
	64QAM	1	0	18.48	17.98	17.94	17.86	18.01	0.00	18.50	19.74	19.23	19.19	19.11	19.26	0.00	19.75
		1	25	18.46	18.32	18.19	18.13	18.33	0.00	18.50	19.71	19.57	19.44	19.38	19.58	0.00	19.75
		1	49	18.47	18.14	17.98	17.93	18.05	0.00	18.50	19.72	19.39	19.23	19.18	19.30	0.00	19.75
		25	0	18.30	18.22	18.12	17.94	18.04	0.00	18.50	19.55	19.47	19.37	19.19	19.29	0.00	19.75
		25	12	18.33	18.28	18.15	17.98	18.14	0.00	18.50	19.58	19.53	19.40	19.23	19.39	0.00	19.75
		25	25	18.33	18.12	17.98	17.95	18.14	0.00	18.50	19.58	19.37	19.23	19.20	19.39	0.00	19.75
		50	0	18.29	18.16	18.07	17.90	18.16	0.00	18.50	19.54	19.41	19.32	19.15	19.41	0.00	19.75
	256QAM	1	0	17.03	16.98	17.17	16.95	17.09	0.70	17.80	17.06	17.05	16.93	16.97	17.09	1.95	17.80
		1	25	16.91	16.94	17.09	17.03	17.00	0.70	17.80	17.10	17.04	17.14	17.10	17.09	1.95	17.80
		1	49	17.16	17.06	17.08	17.02	17.08	0.70	17.80	17.06	17.19	17.06	17.16	17.16	1.95	17.80
		25	0	17.14	17.01	17.09	17.16	17.00	0.70	17.80	17.19	16.94	17.00	17.16	17.17	1.95	17.80
		25	12	17.07	17.05	17.17	16.99	17.06	0.70	17.80	17.13	17.17	16.97	16.95	17.09	1.95	17.80
		25	25	17.06	17.04	16.94	16.99	17.06	0.70	17.80	17.19	17.13	16.96	17.14	16.96	1.95	17.80
		50	0	17.03	17.19	17.13	16.94	17.11	0.70	17.80	17.01	17.06	17.13	16.91	16.99	1.95	17.80

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
5 MHz	QPSK	1	0	18.29	18.19	18.02	17.92	18.10	0.00	18.50	19.54	19.44	19.27	19.17	19.35	0.00	19.75
		1	12	18.25	18.21	18.10	18.00	18.13	0.00	18.50	19.50	19.46	19.35	19.25	19.38	0.00	19.75
		1	24	18.32	18.22	18.06	17.96	18.10	0.00	18.50	19.57	19.47	19.31	19.21	19.35	0.00	19.75
		12	0	18.34	18.31	18.17	18.04	18.24	0.00	18.50	19.59	19.56	19.42	19.29	19.49	0.00	19.75
		12	7	18.39	18.32	18.17	18.08	18.27	0.00	18.50	19.64	19.57	19.42	19.33	19.52	0.00	19.75
		12	13	18.38	18.32	18.17	18.06	18.24	0.00	18.50	19.63	19.57	19.42	19.31	19.49	0.00	19.75
		25	0	18.35	18.32	18.15	18.02	18.19	0.00	18.50	19.60	19.57	19.40	19.27	19.44	0.00	19.75
	16QAM	1	0	18.29	18.38	18.27	18.14	18.31	0.00	18.50	19.54	19.63	19.52	19.39	19.56	0.00	19.75
		1	12	18.34	18.42	18.32	18.23	18.36	0.00	18.50	19.59	19.67	19.57	19.48	19.61	0.00	19.75
		1	24	18.33	18.46	18.25	18.21	18.33	0.00	18.50	19.58	19.71	19.50	19.46	19.58	0.00	19.75
		12	0	18.35	18.41	18.23	18.12	18.28	0.00	18.50	19.60	19.66	19.48	19.37	19.53	0.00	19.75
		12	7	18.34	18.44	18.27	18.15	18.28	0.00	18.50	19.59	19.69	19.52	19.40	19.53	0.00	19.75
		12	13	18.36	18.39	18.25	18.09	18.29	0.00	18.50	19.61	19.64	19.50	19.34	19.54	0.00	19.75
		25	0	18.39	18.36	18.20	18.05	18.24	0.00	18.50	19.64	19.61	19.45	19.30	19.49	0.00	19.75
	64QAM	1	0	18.47	18.40	18.26	18.15	18.35	0.00	18.50	19.72	19.65	19.51	19.40	19.60	0.00	19.75
		1	12	18.45	18.46	18.34	18.28	18.37	0.00	18.50	19.74	19.71	19.59	19.53	19.62	0.00	19.75
		1	24	18.41	18.38	18.25	18.16	18.30	0.00	18.50	19.73	19.63	19.50	19.41	19.55	0.00	19.75
		12	0	18.31	18.27	18.12	17.97	18.17	0.00	18.50	19.56	19.52	19.37	19.22	19.42	0.00	19.75
		12	7	18.36	18.28	18.16	17.99	18.15	0.00	18.50	19.61	19.53	19.41	19.24	19.40	0.00	19.75
		12	13	18.34	18.30	18.09	17.97	18.14	0.00	18.50	19.59	19.55	19.34	19.22	19.39	0.00	19.75
		25	0	18.33	18.22	18.09	17.93	18.15	0.00	18.50	19.58	19.47	19.34	19.18	19.40	0.00	19.75
	256QAM	1	0	17.14	16.99	17.12	16.94	16.98	0.70	17.80	17.16	17.02	17.13	17.00	16.99	1.95	17.80
		1	12	16.95	17.07	17.09	17.01	17.13	0.70	17.80	17.14	17.20	16.95	17.13	17.12	1.95	17.80
		1	24	17.18	16.94	16.91	17.16	17.00	0.70	17.80	17.02	17.18	17.03	17.03	16.91	1.95	17.80
		12	0	16.94	17.05	17.09	16.91	17.02	0.70	17.80	16.96	16.94	16.96	16.99	17.12	1.95	17.80
		12	7	17.05	16.99	17.02	16.92	17.15	0.70	17.80	17.12	17.05	17.13	16.98	17.16	1.95	17.80
		12	13	17.04	17.04	17.05	16.94	17.09	0.70	17.80	17.03	17.11	17.19	16.98	17.18	1.95	17.80
		25	0	16.94	17.12	17.07	17.15	16.93	0.70	17.80	16.92	17.01	17.14	17.13	17.14	1.95	17.80

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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	24.08	23.78	23.78	23.92	23.85	0.00	24.70	19.21	19.98	19.59	19.55	19.47	0.00	20.00
		1	49	24.30	24.30	24.30	24.30	24.30	0.00	24.70	19.90	19.90	19.90	19.90	19.90	0.00	20.00
		1	99	24.05	23.70	23.70	23.70	24.13	0.00	24.70	19.97	19.63	19.34	19.32	19.71	0.00	20.00
		50	0	23.21	23.39	23.12	23.09	23.10	1.00	23.70	19.56	19.91	19.73	19.71	19.68	0.00	20.00
		50	24	23.40	23.40	23.40	23.40	23.40	1.00	23.70	19.90	19.90	19.90	19.90	19.90	0.00	20.00
		50	50	23.19	23.24	23.05	23.08	23.31	1.00	23.70	19.86	19.75	19.65	19.70	19.87	0.00	20.00
		100	0	23.31	23.16	23.40	23.03	23.24	1.00	23.70	19.65	19.70	19.90	19.70	19.85	0.00	20.00
	16QAM	1	0	23.24	23.09	23.17	23.04	23.02	1.00	23.70	19.39	19.41	19.75	19.66	19.62	0.00	20.00
		1	49	23.05	23.10	23.25	23.28	23.41	1.00	23.70	19.67	19.76	19.87	19.96	19.99	0.00	20.00
		1	99	23.28	23.26	22.91	22.80	23.29	1.00	23.70	19.93	19.53	19.47	19.47	19.84	0.00	20.00
		50	0	22.12	22.43	22.15	22.15	22.14	2.00	22.70	19.36	19.70	19.76	19.76	19.71	0.00	20.00
		50	24	22.31	22.34	22.22	22.19	22.35	2.00	22.70	19.55	19.61	19.82	19.81	19.94	0.00	20.00
		50	50	22.44	22.25	22.12	22.14	22.34	2.00	22.70	19.69	19.53	19.70	19.75	19.91	0.00	20.00
		100	0	22.13	22.18	22.11	22.08	22.23	2.00	22.70	19.40	19.47	19.72	19.68	19.83	0.00	20.00
	64QAM	1	0	21.75	22.29	22.13	22.01	21.83	2.00	22.70	19.22	19.88	19.60	19.52	19.46	0.00	20.00
		1	49	22.04	22.34	22.21	22.22	22.26	2.00	22.70	19.67	19.72	19.71	19.84	19.86	0.00	20.00
		1	99	22.25	22.10	21.91	21.70	22.12	2.00	22.70	19.91	19.48	19.36	19.38	19.71	0.00	20.00
		50	0	20.92	21.45	21.19	21.13	21.13	3.00	21.70	19.48	19.81	19.73	19.78	19.72	0.00	20.00
		50	24	21.09	21.35	21.22	21.17	21.37	3.00	21.70	19.66	19.69	19.79	19.79	19.91	0.00	20.00
		50	50	21.24	21.28	21.11	21.06	21.34	3.00	21.70	19.81	19.65	19.69	19.73	19.90	0.00	20.00
		100	0	21.01	21.24	21.11	21.10	21.28	3.00	21.70	19.58	19.58	19.72	19.74	19.86	0.00	20.00
	256QAM	1	0	18.97	18.75	18.76	18.88	18.74	5.00	19.70	18.74	18.89	18.72	19.00	18.87	0.30	19.70
		1	49	18.94	18.80	18.96	18.90	18.73	5.00	19.70	18.96	18.96	18.76	18.92	18.92	0.30	19.70
		1	99	18.89	18.87	18.77	18.75	18.75	5.00	19.70	18.79	18.76	18.77	18.76	18.95	0.30	19.70
		50	0	18.76	18.75	18.86	18.87	18.82	5.00	19.70	18.86	19.00	18.89	19.00	18.98	0.30	19.70
		50	24	18.90	18.87	18.90	18.81	18.76	5.00	19.70	18.90	18.96	18.73	18.96	18.85	0.30	19.70
		50	50	18.94	18.95	18.96	18.93	18.96	5.00	19.70	18.83	18.81	18.93	18.95	18.80	0.30	19.70
		100	0	18.92	18.84	18.76	18.74	18.73	5.00	19.70	18.82	18.77	18.73	18.85	18.87	0.30	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
15 MHz	QPSK	1	0	24.22	23.70	23.85	24.01	23.95	0.00	24.70	19.40	19.73	19.58	19.67	19.52	0.00	20.00
		1	37	24.04	23.70	23.90	24.11	24.21	0.00	24.70	19.77	19.80	19.64	19.75	19.79	0.00	20.00
		1	74	24.26	23.70	23.72	23.82	24.20	0.00	24.70	19.95	19.46	19.38	19.47	19.74	0.00	20.00
		36	0	23.28	23.36	23.17	23.11	23.12	1.00	23.70	19.62	19.87	19.68	19.73	19.68	0.00	20.00
		36	20	23.25	23.39	23.21	23.16	23.31	1.00	23.70	19.83	19.91	19.71	19.76	19.86	0.00	20.00
		36	39	23.26	23.23	23.15	23.13	23.30	1.00	23.70	19.86	19.72	19.67	19.76	19.85	0.00	20.00
		75	0	23.31	23.22	23.14	23.08	23.24	1.00	23.70	19.70	19.71	19.64	19.69	19.78	0.00	20.00
	16QAM	1	0	23.41	23.33	23.07	23.16	23.00	1.00	23.70	19.61	19.85	19.68	19.83	19.54	0.00	20.00
		1	37	23.02	23.42	23.13	23.17	23.33	1.00	23.70	19.67	19.71	19.77	19.85	19.97	0.00	20.00
		1	74	23.13	23.06	22.92	22.90	23.30	1.00	23.70	19.80	19.34	19.53	19.55	19.63	0.00	20.00
		36	0	22.18	22.39	22.13	22.13	22.15	2.00	22.70	19.40	19.64	19.73	19.76	19.72	0.00	20.00
		36	20	22.38	22.41	22.20	22.16	22.34	2.00	22.70	19.59	19.69	19.73	19.80	19.89	0.00	20.00
		36	39	22.39	22.25	22.12	22.17	22.33	2.00	22.70	19.63	19.50	19.71	19.78	19.89	0.00	20.00
		75	0	22.18	22.25	22.16	22.07	22.25	2.00	22.70	19.45	19.49	19.68	19.71	19.82	0.00	20.00
	64QAM	1	0	21.71	22.06	21.90	21.94	21.84	2.00	22.70	19.26	19.61	19.58	19.48	19.39	0.00	20.00
		1	37	21.83	22.12	21.93	21.99	22.16	2.00	22.70	19.46	19.54	19.52	19.63	19.65	0.00	20.00
		1	74	22.02	21.75	21.72	21.70	22.19	2.00	22.70	19.64	19.14	19.33	19.36	19.54	0.00	20.00
		36	0	20.90	21.34	21.11	21.08	21.10	3.00	21.70	19.47	19.70	19.72	19.71	19.67	0.00	20.00
		36	20	21.12	21.38	21.15	21.13	21.30	3.00	21.70	19.69	19.78	19.76	19.76	19.85	0.00	20.00
		36	39	21.12	21.20	21.08	21.11	21.28	3.00	21.70	19.68	19.59	19.71	19.75	19.83	0.00	20.00
		75	0	21.01	21.28	21.14	21.09	21.28	3.00	21.70	19.58	19.63	19.75	19.72	19.82	0.00	20.00
	256QAM	1	0	18.89	18.84	18.98	18.85	18.94	5.00	19.70	18.77	18.91	18.80	18.82	18.73	0.30	19.70
		1	37	18.85	18.90	18.75	18.95	18.87	5.00	19.70	18.96	18.97	18.81	18.91	18.75	0.30	19.70
		1	74	18.96	18.73	18.79	18.89	18.91	5.00	19.70	18.83	18.92	18.75	18.79	18.91	0.30	19.70
		36	0	19.00	18.91	18.99	19.00	18.91	5.00	19.70	18.74	18.76	18.85	18.94	18.97	0.30	19.70
		36	20	18.95	18.74	18.85	18.77	18.94	5.00	19.70	18.79	18.87	18.81	18.96	18.73	0.30	19.70
		36	39	18.70	18.83	19.00	18.74	18.89	5.00	19.70	18.72	18.76	18.74	18.83	18.99	0.30	19.70
		75	0	18.75	18.81	18.75	18.92	18.92	5.00	19.70	18.82	18.82	18.76	18.94	18.84	0.30	19.70

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

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
10 MHz	QPSK	1	0	24.08	23.70	23.70	23.97	23.84	0.00	24.70	19.48	19.52	19.41	19.58	19.43	0.00	20.00
		1	25	23.86	23.91	23.90	24.15	24.16	0.00	24.70	19.79	19.79	19.64	19.84	19.79	0.00	20.00
		1	49	23.93	23.70	23.70	23.81	23.92	0.00	24.70	19.87	19.53	19.28	19.47	19.45	0.00	20.00
		25	0	23.10	23.39	23.22	23.10	23.18	1.00	23.70	19.75	19.91	19.71	19.77	19.71	0.00	20.00
		25	12	23.20	23.36	23.20	23.18	23.24	1.00	23.70	19.87	19.85	19.74	19.85	19.84	0.00	20.00
		25	25	23.17	23.28	23.18	23.17	23.27	1.00	23.70	19.84	19.78	19.65	19.83	19.82	0.00	20.00
		50	0	23.04	23.29	23.17	23.09	23.21	1.00	23.70	19.77	19.78	19.64	19.77	19.78	0.00	20.00
	16QAM	1	0	23.27	23.23	22.92	23.13	22.99	1.00	23.70	19.67	19.72	19.61	19.78	19.55	0.00	20.00
		1	25	23.10	23.34	23.04	23.20	23.24	1.00	23.70	19.64	19.61	19.73	19.92	19.79	0.00	20.00
		1	49	23.20	23.16	22.83	22.97	23.10	1.00	23.70	19.84	19.41	19.46	19.69	19.67	0.00	20.00
		25	0	22.33	22.40	22.19	22.13	22.19	2.00	22.70	19.52	19.67	19.78	19.79	19.76	0.00	20.00
		25	12	22.31	22.39	22.24	22.19	22.33	2.00	22.70	19.58	19.67	19.74	19.85	19.84	0.00	20.00
		25	25	22.40	22.31	22.12	22.19	22.30	2.00	22.70	19.61	19.56	19.72	19.88	19.86	0.00	20.00
		50	0	22.25	22.33	22.18	22.12	22.30	2.00	22.70	19.49	19.56	19.75	19.79	19.81	0.00	20.00
	64QAM	1	0	22.29	22.25	21.70	22.10	21.92	2.00	22.70	19.61	19.67	19.60	19.70	19.51	0.00	20.00
		1	25	22.20	22.43	21.74	22.24	22.33	2.00	22.70	19.75	19.84	19.72	19.88	19.89	0.00	20.00
		1	49	22.32	22.13	21.70	21.98	22.17	2.00	22.70	19.88	19.48	19.55	19.67	19.75	0.00	20.00
		25	0	20.99	21.37	21.28	21.05	21.17	3.00	21.70	19.52	19.72	19.68	19.70	19.75	0.00	20.00
		25	12	21.04	21.33	21.30	21.11	21.28	3.00	21.70	19.56	19.68	19.69	19.73	19.89	0.00	20.00
		25	25	21.17	21.17	21.20	21.05	21.16	3.00	21.70	19.67	19.56	19.56	19.68	19.76	0.00	20.00
		50	0	21.02	21.23	21.18	21.03	21.18	3.00	21.70	19.55	19.60	19.63	19.69	19.79	0.00	20.00
	256QAM	1	0	18.77	18.87	18.74	18.89	18.93	5.00	19.70	18.95	18.95	18.80	18.88	18.78	0.30	19.70
		1	25	18.73	18.79	18.90	18.84	18.95	5.00	19.70	18.88	18.84	18.71	18.98	18.80	0.30	19.70
		1	49	18.92	18.89	18.82	18.71	18.71	5.00	19.70	18.86	18.73	18.77	18.77	18.78	0.30	19.70
		25	0	18.87	18.83	18.83	18.78	18.82	5.00	19.70	18.92	18.96	18.74	18.83	18.86	0.30	19.70
		25	12	18.95	18.89	18.74	18.84	18.99	5.00	19.70	18.99	18.85	18.92	18.85	18.71	0.30	19.70
		25	25	18.73	19.00	18.94	18.86	18.75	5.00	19.70	18.86	18.92	18.89	18.88	18.81	0.30	19.70
		50	0	18.92	18.79	18.72	18.88	18.92	5.00	19.70	18.93	18.79	18.94	18.77	18.95	0.30	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
5 MHz	QPSK	1	0	24.19	23.70	23.70	23.72	23.86	0.00	24.70	19.47	19.71	19.48	19.49	19.55	0.00	20.00
		1	12	23.76	23.70	23.70	23.77	23.94	0.00	24.70	19.58	19.69	19.43	19.57	19.65	0.00	20.00
		1	24	23.80	23.70	23.70	23.78	23.93	0.00	24.70	19.58	19.58	19.41	19.56	19.66	0.00	20.00
		12	0	23.10	23.18	22.95	22.80	23.02	1.00	23.70	19.62	19.81	19.55	19.63	19.71	0.00	20.00
		12	7	23.12	23.18	22.92	22.85	23.02	1.00	23.70	19.63	19.77	19.57	19.62	19.75	0.00	20.00
		12	13	23.15	23.04	22.88	22.87	22.99	1.00	23.70	19.64	19.69	19.52	19.64	19.72	0.00	20.00
		25	0	23.05	23.05	22.87	22.80	23.02	1.00	23.70	19.55	19.70	19.52	19.58	19.72	0.00	20.00
	16QAM	1	0	23.44	23.25	23.01	22.93	23.05	1.00	23.70	19.71	19.95	19.66	19.72	19.77	0.00	20.00
		1	12	22.82	23.29	22.97	23.01	23.14	1.00	23.70	19.59	19.68	19.71	19.83	19.85	0.00	20.00
		1	24	22.83	23.14	22.93	22.94	23.13	1.00	23.70	19.54	19.54	19.65	19.75	19.84	0.00	20.00
		12	0	22.04	22.18	22.00	21.86	22.05	2.00	22.70	19.39	19.59	19.64	19.66	19.72	0.00	20.00
		12	7	22.06	22.19	21.96	21.90	22.11	2.00	22.70	19.40	19.62	19.65	19.67	19.82	0.00	20.00
		12	13	22.05	22.08	21.94	21.94	22.09	2.00	22.70	19.39	19.50	19.60	19.69	19.78	0.00	20.00
		25	0	22.00	22.08	21.89	21.83	22.00	2.00	22.70	19.30	19.45	19.58	19.63	19.74	0.00	20.00
	64QAM	1	0	22.06	22.30	22.24	21.94	21.70	2.00	22.70	19.56	19.71	19.96	19.70	19.80	0.00	20.00
		1	12	21.86	22.25	22.18	22.05	21.71	2.00	22.70	19.66	19.74	19.88	19.88	19.90	0.00	20.00
		1	24	21.85	22.07	22.21	21.95	21.70	2.00	22.70	19.68	19.54	19.90	19.70	19.80	0.00	20.00
		12	0	20.70	21.06	20.97	20.76	21.03	3.00	21.70	19.39	19.57	19.65	19.51	19.59	0.00	20.00
		12	7	20.71	21.07	21.01	20.81	21.07	3.00	21.70	19.40	19.57	19.66	19.56	19.72	0.00	20.00
		12	13	20.71	20.99	20.97	20.84	21.04	3.00	21.70	19.40	19.49	19.64	19.58	19.66	0.00	20.00
		25	0	20.70	20.98	20.85	20.73	21.09	3.00	21.70	19.37	19.46	19.52	19.53	19.65	0.00	20.00
	256QAM	1	0	18.97	18.89	18.77	18.71	18.70	5.00	19.70	18.72	18.76	18.91	18.82	18.74	0.30	19.70
		1	12	18.89	18.98	18.76	18.75	18.83	5.00	19.70	18.79	18.84	18.92	18.87	18.78	0.30	19.70
		1	24	18.74	18.71	18.82	19.00	18.92	5.00	19.70	18.90	18.93	18.87	18.93	18.72	0.30	19.70
		12	0	18.73	18.91	18.81	18.80	18.82	5.00	19.70	18.76	18.82	18.75	18.72	18.74	0.30	19.70
		12	7	18.94	18.78	18.89	18.93	18.88	5.00	19.70	18.78	18.79	18.92	18.80	18.96	0.30	19.70
		12	13	18.84	19.00	18.93	18.77	18.79	5.00	19.70	18.71	18.81	18.80	18.88	18.79	0.30	19.70
		25	0	18.83	18.84	18.76	18.95	18.88	5.00	19.70	18.90	18.86	18.75	18.72	18.80	0.30	19.70

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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	21.41	21.66	21.42	21.23	20.86	0.00	21.75	21.66	22.11	21.47	21.28	21.81	0.00	22.20
		1	49	21.75	21.75	21.75	21.75	21.75	0.00	21.75	22.00	22.03	22.10	21.46	22.10	0.00	22.20
		1	99	21.38	21.23	20.76	20.88	21.11	0.00	21.75	22.13	21.98	21.31	21.93	22.06	0.00	22.20
		50	0	20.43	20.64	20.37	20.56	20.26	0.55	21.20	20.67	20.88	20.92	21.13	21.16	1.00	21.20
		50	24	21.20	21.20	21.20	21.20	21.20	0.55	21.20	20.96	20.98	21.20	21.11	20.71	1.00	21.20
		50	50	20.58	20.52	20.35	20.49	20.46	0.55	21.20	21.02	20.96	20.90	21.11	20.84	1.00	21.20
		100	0	20.44	20.42	21.20	20.44	20.31	0.55	21.20	20.88	20.86	20.89	21.04	20.91	1.00	21.20
	16QAM	1	0	20.31	20.80	20.28	20.54	20.47	0.55	21.20	20.75	21.04	20.83	20.99	20.76	1.00	21.20
		1	49	20.66	20.73	20.57	20.75	20.56	0.55	21.20	21.10	21.17	21.12	21.09	20.62	1.00	21.20
		1	99	20.83	20.67	20.48	20.23	20.43	0.55	21.20	21.17	21.11	20.73	21.10	21.01	1.00	21.20
		50	0	19.47	19.66	19.42	19.59	19.31	1.55	20.20	19.42	19.61	20.07	19.38	20.18	2.00	20.20
		50	24	19.56	19.57	19.50	19.69	19.46	1.55	20.20	19.91	19.92	19.95	19.44	19.36	2.00	20.20
		50	50	19.64	19.56	19.39	19.51	19.52	1.55	20.20	19.99	19.91	19.84	19.54	19.31	2.00	20.20
		100	0	19.41	19.41	19.35	19.50	19.34	1.55	20.20	19.76	19.76	19.80	19.36	19.37	2.00	20.20
	64QAM	1	0	19.32	19.73	19.35	19.47	19.36	1.55	20.20	19.67	20.08	19.60	19.35	19.39	2.00	20.20
		1	49	19.58	19.73	19.43	19.68	19.47	1.55	20.20	19.23	19.38	19.88	19.32	19.30	2.00	20.20
		1	99	19.72	19.51	19.49	19.66	19.34	1.55	20.20	19.37	19.43	19.54	19.53	19.32	2.00	20.20
		50	0	18.49	18.68	18.40	18.66	18.32	2.55	19.20	18.84	19.03	18.75	19.01	19.19	3.00	19.20
		50	24	18.58	18.60	18.44	18.76	18.46	2.55	19.20	18.93	18.95	18.79	18.51	18.37	3.00	19.20
		50	50	18.64	18.58	18.37	18.57	18.50	2.55	19.20	18.99	18.93	18.72	18.61	18.31	3.00	19.20
		100	0	18.49	18.49	18.41	18.58	18.37	2.55	19.20	18.84	18.84	18.76	18.42	18.35	3.00	19.20
	256QAM	1	0	16.66	16.73	16.75	16.77	16.68	4.55	17.20	16.73	16.73	16.72	16.66	16.64	5.00	17.20
		1	49	16.51	16.69	16.56	16.52	16.70	4.55	17.20	16.60	16.59	16.51	16.53	16.56	5.00	17.20
		1	99	16.68	16.74	16.53	16.62	16.60	4.55	17.20	16.75	16.75	16.53	16.54	16.55	5.00	17.20
		50	0	16.53	16.69	16.75	16.56	16.69	4.55	17.20	16.59	16.79	16.73	16.57	16.73	5.00	17.20
		50	24	16.71	16.77	16.79	16.68	16.79	4.55	17.20	16.58	16.66	16.63	16.77	16.58	5.00	17.20
		50	50	16.56	16.79	16.62	16.70	16.59	4.55	17.20	16.62	16.61	16.60	16.71	16.57	5.00	17.20
		100	0	16.51	16.76	16.53	16.59	16.64	4.55	17.20	16.68	16.50	16.57	16.77	16.67	5.00	17.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
15 MHz	QPSK	1	0	21.54	21.72	21.44	21.36	20.91	0.00	21.75	21.24	21.42	21.34	21.76	21.31	0.00	22.20
		1	37	21.28	21.36	21.05	21.40	21.16	0.00	21.75	21.48	21.56	21.25	21.80	21.56	0.00	22.20
		1	74	21.35	21.07	20.83	21.06	21.11	0.00	21.75	21.55	21.27	21.43	21.46	21.51	0.00	22.20
		36	0	20.50	20.64	20.37	20.62	20.23	0.55	21.20	20.70	20.84	20.57	21.12	20.73	1.00	21.20
		36	20	20.60	20.67	20.42	20.65	20.35	0.55	21.20	20.80	20.87	20.62	21.15	20.85	1.00	21.20
		36	39	20.59	20.54	20.35	20.56	20.43	0.55	21.20	20.79	20.74	20.55	21.06	20.93	1.00	21.20
		75	0	20.49	20.52	20.34	20.56	20.27	0.55	21.20	20.69	20.72	20.54	21.06	20.77	1.00	21.20
	16QAM	1	0	20.49	20.55	20.39	20.62	20.49	0.55	21.20	20.69	20.75	20.59	21.12	20.69	1.00	21.20
		1	37	20.74	20.76	20.43	20.67	20.46	0.55	21.20	20.94	20.96	20.63	21.17	20.96	1.00	21.20
		1	74	20.79	20.49	20.41	20.37	20.38	0.55	21.20	20.99	20.69	20.35	20.87	20.88	1.00	21.20
		36	0	19.54	19.67	19.39	19.67	19.27	1.55	20.20	19.74	19.87	19.59	20.17	19.77	2.00	20.20
		36	20	19.66	19.69	19.43	19.67	19.38	1.55	20.20	19.86	19.89	19.63	20.17	19.88	2.00	20.20
		36	39	19.63	19.55	19.39	19.55	19.44	1.55	20.20	19.83	19.75	19.59	20.05	19.94	2.00	20.20
		75	0	19.49	19.53	19.36	19.57	19.29	1.55	20.20	19.69	19.73	19.56	20.07	19.79	2.00	20.20
	64QAM	1	0	19.44	19.32	19.47	19.52	19.93	1.55	20.20	19.34	19.52	19.27	20.02	19.43	2.00	20.20
		1	37	19.40	19.43	19.21	19.52	19.24	1.55	20.20	19.60	19.63	19.41	20.02	19.74	2.00	20.20
		1	74	19.45	19.46	19.44	19.40	19.49	1.55	20.20	19.65	19.26	19.24	19.60	19.68	2.00	20.20
		36	0	18.48	18.58	18.35	18.63	18.25	2.55	19.20	18.68	18.78	18.55	19.13	18.75	3.00	19.20
		36	20	18.60	18.66	18.41	18.66	18.38	2.55	19.20	18.80	18.86	18.61	19.16	18.88	3.00	19.20
		36	39	18.57	18.50	18.38	18.54	18.44	2.55	19.20	18.77	18.70	18.58	19.04	18.94	3.00	19.20
		75	0	18.49	18.54	18.38	18.64	18.35	2.55	19.20	18.69	18.74	18.58	19.14	18.85	3.00	19.20
	256QAM	1	0	16.66	16.67	16.73	16.73	16.71	4.55	17.20	16.75	16.60	16.58	16.67	16.77	5.00	17.20
		1	37	16.63	16.64	16.58	16.74	16.51	4.55	17.20	16.75	16.57	16.50	16.63	16.69	5.00	17.20
		1	74	16.73	16.64	16.78	16.72	16.71	4.55	17.20	16.69	16.75	16.66	16.75	16.79	5.00	17.20
		36	0	16.69	16.63	16.60	16.56	16.78	4.55	17.20	16.57	16.80	16.76	16.75	16.75	5.00	17.20
		36	20	16.50	16.57	16.67	16.55	16.66	4.55	17.20	16.60	16.80	16.61	16.70	16.78	5.00	17.20
		36	39	16.64	16.72	16.69	16.55	16.56	4.55	17.20	16.61	16.72	16.74	16.77	16.52	5.00	17.20
		75	0	16.74	16.58	16.78	16.67	16.65	4.55	17.20	16.75	16.50	16.66	16.72	16.72	5.00	17.20

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

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
10 MHz	QPSK	1	0	21.60	21.44	21.39	21.40	20.87	0.00	21.75	21.75	21.59	21.54	21.56	21.32	0.00	22.20
		1	25	21.30	21.27	21.06	21.40	21.16	0.00	21.75	21.95	21.92	21.71	21.85	21.61	0.00	22.20
		1	49	21.27	21.02	20.81	21.03	20.84	0.00	21.75	21.92	21.67	21.36	21.48	21.29	0.00	22.20
		25	0	20.58	20.70	20.43	20.66	20.34	0.55	21.20	20.63	20.75	20.48	20.61	20.59	1.00	21.20
		25	12	20.71	20.71	20.50	20.69	20.40	0.55	21.20	20.76	20.76	20.55	20.64	20.65	1.00	21.20
		25	25	20.62	20.61	20.38	20.60	20.40	0.55	21.20	20.67	20.66	20.43	20.55	20.65	1.00	21.20
		50	0	20.49	20.54	20.42	20.62	20.29	0.55	21.20	20.54	20.59	20.47	20.57	20.54	1.00	21.20
	16QAM	1	0	20.54	20.40	20.34	20.44	20.24	0.55	21.20	20.59	20.45	20.39	20.39	20.49	1.00	21.20
		1	25	20.61	20.60	20.45	20.57	20.42	0.55	21.20	20.66	20.65	20.50	20.52	20.67	1.00	21.20
		1	49	20.73	20.49	20.50	20.45	20.21	0.55	21.20	20.78	20.54	20.25	20.40	20.46	1.00	21.20
		25	0	19.61	19.65	19.45	19.69	19.35	1.55	20.20	19.86	19.90	19.70	19.44	19.60	2.00	20.20
		25	12	19.67	19.75	19.50	19.73	19.42	1.55	20.20	19.92	20.00	19.75	19.48	19.67	2.00	20.20
		25	25	19.63	19.63	19.42	19.66	19.44	1.55	20.20	19.88	19.88	19.67	19.41	19.69	2.00	20.20
		50	0	19.51	19.59	19.45	19.64	19.39	1.55	20.20	19.76	19.84	19.70	19.39	19.64	2.00	20.20
	64QAM	1	0	19.62	19.42	19.43	19.57	19.32	1.55	20.20	19.87	19.67	19.68	19.32	19.57	2.00	20.20
		1	25	19.68	19.75	19.54	19.72	19.54	1.55	20.20	19.93	20.00	19.79	19.47	19.79	2.00	20.20
		1	49	19.72	19.48	19.32	19.49	19.34	1.55	20.20	19.97	19.73	19.57	19.24	19.59	2.00	20.20
		25	0	18.51	18.64	18.41	18.62	18.35	2.55	19.20	18.96	19.09	18.86	18.57	18.80	3.00	19.20
		25	12	18.59	18.67	18.48	18.67	18.40	2.55	19.20	19.04	19.12	18.93	18.62	18.85	3.00	19.20
		25	25	18.57	18.48	18.34	18.46	18.36	2.55	19.20	19.02	18.93	18.79	18.41	18.81	3.00	19.20
		50	0	18.49	18.49	18.41	18.49	18.33	2.55	19.20	18.94	18.94	18.86	18.44	18.78	3.00	19.20
	256QAM	1	0	16.75	16.59	16.79	16.56	16.61	4.55	17.20	16.77	16.73	16.55	16.64	16.61	5.00	17.20
		1	25	16.62	16.63	16.77	16.63	16.76	4.55	17.20	16.55	16.50	16.80	16.56	16.68	5.00	17.20
		1	49	16.64	16.73	16.79	16.54	16.79	4.55	17.20	16.65	16.53	16.80	16.71	16.79	5.00	17.20
		25	0	16.60	16.74	16.74	16.53	16.68	4.55	17.20	16.58	16.75	16.66	16.69	16.77	5.00	17.20
		25	12	16.64	16.51	16.57	16.69	16.57	4.55	17.20	16.74	16.61	16.64	16.61	16.51	5.00	17.20
		25	25	16.51	16.57	16.74	16.70	16.76	4.55	17.20	16.74	16.71	16.79	16.50	16.74	5.00	17.20
		50	0	16.51	16.65	16.63	16.64	16.59	4.55	17.20	16.64	16.61	16.79	16.54	16.57	5.00	17.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750	40185	40620	41055	41490	MPR	Tune-up Limit	39750	40185	40620	41055	41490	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
5 MHz	QPSK	1	0	21.70	21.56	21.59	21.40	21.19	0.00	21.75	21.85	22.01	21.74	21.45	21.64	0.00	22.20
		1	12	21.26	21.40	21.02	21.41	21.22	0.00	21.75	21.91	22.05	21.67	21.46	21.67	0.00	22.20
		1	24	21.23	21.28	21.00	21.35	21.18	0.00	21.75	21.88	21.93	21.65	21.40	21.63	0.00	22.20
		12	0	20.64	20.79	20.50	20.71	20.53	0.55	21.20	20.69	20.84	20.55	20.26	20.78	1.00	21.20
		12	7	20.67	20.80	20.52	20.69	20.55	0.55	21.20	20.72	20.85	20.57	20.24	20.80	1.00	21.20
		12	13	20.59	20.70	20.51	20.68	20.52	0.55	21.20	20.64	20.75	20.56	20.23	20.77	1.00	21.20
		25	0	20.56	20.75	20.48	20.64	20.48	0.55	21.20	20.61	20.80	20.53	20.39	20.73	1.00	21.20
	16QAM	1	0	20.74	20.79	20.59	20.78	20.54	0.55	21.20	20.79	20.84	20.64	20.33	20.79	1.00	21.20
		1	12	20.81	20.89	20.54	20.81	20.60	0.55	21.20	20.86	20.94	20.59	20.36	20.85	1.00	21.20
		1	24	20.76	20.74	20.53	20.74	20.53	0.55	21.20	20.81	20.79	20.58	20.29	20.78	1.00	21.20
		12	0	19.67	19.84	19.55	19.78	19.58	1.55	20.20	19.92	20.09	19.80	19.53	19.83	2.00	20.20
		12	7	19.71	19.81	19.58	19.78	19.56	1.55	20.20	19.96	20.06	19.83	19.53	19.81	2.00	20.20
		12	13	19.62	19.73	19.52	19.75	19.55	1.55	20.20	19.87	19.98	19.77	19.50	19.80	2.00	20.20
		25	0	19.59	19.73	19.50	19.68	19.52	1.55	20.20	19.84	19.98	19.75	19.43	19.77	2.00	20.20
	64QAM	1	0	19.89	19.84	19.57	19.78	19.60	1.55	20.20	20.14	20.09	19.82	19.53	19.85	2.00	20.20
		1	12	19.25	19.85	19.58	19.83	19.66	1.55	20.20	19.90	20.10	19.83	19.58	19.91	2.00	20.20
		1	24	19.29	19.68	19.49	19.73	19.54	1.55	20.20	19.94	19.93	19.74	19.48	19.79	2.00	20.20
		12	0	18.93	18.69	18.42	18.68	18.47	2.55	19.20	18.88	18.24	18.97	18.73	18.92	3.00	19.20
		12	7	18.95	18.67	18.39	18.64	18.49	2.55	19.20	18.90	18.22	18.94	18.69	18.94	3.00	19.20
		12	13	18.97	18.62	18.41	18.66	18.46	2.55	19.20	18.92	18.37	18.96	18.71	18.91	3.00	19.20
		25	0	18.25	18.64	18.40	18.60	18.39	2.55	19.20	18.80	18.39	18.95	18.65	18.84	3.00	19.20
	256QAM	1	0	16.69	16.55	16.71	16.78	16.50	4.55	17.20	16.51	16.69	16.75	16.59	16.72	5.00	17.20
		1	12	16.75	16.74	16.61	16.65	16.73	4.55	17.20	16.69	16.72	16.62	16.72	16.76	5.00	17.20
		1	24	16.66	16.52	16.69	16.56	16.73	4.55	17.20	16.57	16.77	16.67	16.74	16.69	5.00	17.20
		12	0	16.54	16.62	16.62	16.69	16.75	4.55	17.20	16.66	16.69	16.56	16.53	16.59	5.00	17.20
		12	7	16.79	16.77	16.70	16.58	16.78	4.55	17.20	16.60	16.51	16.64	16.65	16.78	5.00	17.20
		12	13	16.63	16.79	16.53	16.66	16.70	4.55	17.20	16.66	16.79	16.65	16.53	16.61	5.00	17.20
		25	0	16.64	16.69	16.60	16.78	16.53	4.55	17.20	16.79	16.54	16.70	16.66	16.61	5.00	17.20

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LTE Band 48 Measured Results (ANT7)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55340	55773	56207	56640	MPR	Tune-up Limit	55340	55773	56207	56640	MPR	Tune-up Limit
				3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz			3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz		
20 MHz	QPSK	1	0	24.96	25.09	25.03	24.93	0.00	25.70	20.47	20.66	20.46	20.46	0.00	21.00
		1	49	25.27	25.29	25.41	25.17	0.00	25.70	20.84	20.78	20.82	20.73	0.00	21.00
		1	99	25.00	24.96	25.03	24.82	0.00	25.70	20.56	20.44	20.50	20.36	0.00	21.00
		50	0	24.35	24.47	24.41	24.38	1.00	24.70	20.47	20.60	20.53	20.68	0.00	21.00
		50	24	24.52	24.58	24.60	24.44	1.00	24.70	20.66	20.72	20.65	20.75	0.00	21.00
		50	50	24.43	24.47	24.52	24.34	1.00	24.70	20.58	20.62	20.64	20.65	0.00	21.00
		100	0	24.43	24.53	24.43	24.35	1.00	24.70	20.50	20.40	20.54	20.68	0.00	21.00
	16QAM	1	0	24.33	24.32	24.17	24.33	1.00	24.70	20.14	20.55	20.22	20.11	0.00	21.00
		1	49	24.61	24.50	24.56	24.58	1.00	24.70	20.50	20.72	20.60	20.37	0.00	21.00
		1	99	24.37	24.16	24.14	24.23	1.00	24.70	20.21	20.37	20.28	20.04	0.00	21.00
		50	0	23.39	23.42	23.42	23.39	2.00	23.70	20.52	20.63	20.50	20.51	0.00	21.00
		50	24	23.55	23.57	23.55	23.48	2.00	23.70	20.69	20.75	20.61	20.55	0.00	21.00
		50	50	23.46	23.43	23.55	23.38	2.00	23.70	20.60	20.64	20.61	20.49	0.00	21.00
		100	0	23.44	23.47	23.43	23.34	2.00	23.70	20.59	20.63	20.52	20.48	0.00	21.00
	64QAM	1	0	23.37	23.36	23.21	23.37	2.00	23.70	20.03	20.44	20.11	20.20	0.00	21.00
		1	49	23.65	23.54	23.60	23.62	2.00	23.70	20.39	20.61	20.49	20.46	0.00	21.00
		1	99	23.41	23.20	23.18	23.27	2.00	23.70	20.10	20.26	20.17	20.13	0.00	21.00
		50	0	22.43	22.46	22.46	22.43	3.00	22.70	20.41	20.52	20.39	20.60	0.00	21.00
		50	24	22.59	22.61	22.59	22.52	3.00	22.70	20.58	20.64	20.50	20.64	0.00	21.00
		50	50	22.50	22.47	22.59	22.42	3.00	22.70	20.49	20.53	20.50	20.58	0.00	21.00
		100	0	22.48	22.51	22.47	22.38	3.00	22.70	20.48	20.52	20.41	20.57	0.00	21.00
	256QAM	1	0	20.10	20.15	20.18	20.04	5.00	20.70	20.05	19.81	20.02	20.00	0.30	20.70
		1	49	20.16	19.94	20.20	19.98	5.00	20.70	20.03	20.06	20.10	19.94	0.30	20.70
		1	99	20.06	20.18	20.02	20.12	5.00	20.70	20.03	19.84	20.09	19.91	0.30	20.70
		50	0	19.98	19.93	19.93	20.13	5.00	20.70	19.86	19.93	19.90	20.06	0.30	20.70
		50	24	20.10	20.17	19.93	19.96	5.00	20.70	19.83	20.05	19.83	20.05	0.30	20.70
		50	50	19.92	20.08	20.11	20.07	5.00	20.70	19.99	20.05	19.86	19.88	0.30	20.70
		100	0	19.94	20.19	20.03	19.93	5.00	20.70	19.94	20.07	19.87	20.04	0.30	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55315.00	55765.00	56215.00	56665.00	MPR	Tune-up Limit	55315.00	55765.00	56215.00	56665.00	MPR	Tune-up Limit
				3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz			3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz		
15 MHz	QPSK	1	0	24.98	25.14	25.07	25.07	0.00	25.70	20.24	20.51	20.36	20.22	0.00	21.00
		1	37	25.24	25.19	24.99	25.17	0.00	25.70	20.25	20.60	20.55	20.43	0.00	21.00
		1	74	25.10	25.04	25.30	25.02	0.00	25.70	20.48	20.40	20.41	20.35	0.00	21.00
		36	0	24.32	24.52	24.21	24.37	1.00	24.70	20.33	20.68	20.63	20.34	0.00	21.00
		36	20	24.52	24.55	24.26	24.42	1.00	24.70	20.50	20.72	20.71	20.42	0.00	21.00
		36	39	24.44	24.47	24.46	24.42	1.00	24.70	20.49	20.65	20.69	20.49	0.00	21.00
		75	0	24.41	24.49	24.33	24.35	1.00	24.70	20.44	20.63	20.58	20.41	0.00	21.00
	16QAM	1	0	24.32	24.44	24.36	24.37	1.00	24.70	20.38	20.65	20.48	20.40	0.00	21.00
		1	37	24.56	24.53	24.17	24.48	1.00	24.70	20.39	20.72	20.70	20.36	0.00	21.00
		1	74	24.42	24.35	24.43	24.31	1.00	24.70	20.62	20.56	20.53	20.45	0.00	21.00
		36	0	23.34	23.51	23.12	23.45	2.00	23.70	20.44	20.71	20.51	20.31	0.00	21.00
		36	20	23.53	23.55	23.53	23.46	2.00	23.70	20.68	20.71	20.72	20.38	0.00	21.00
		36	39	23.44	23.52	23.37	23.39	2.00	23.70	20.37	20.66	20.70	20.40	0.00	21.00
		75	0	23.43	23.51	23.26	23.35	2.00	23.70	20.36	20.63	20.57	20.41	0.00	21.00
	64QAM	1	0	23.36	23.48	23.40	23.41	2.00	23.70	20.27	20.54	20.37	20.29	0.00	21.00
		1	37	23.60	23.57	23.21	23.52	2.00	23.70	20.28	20.61	20.59	20.25	0.00	21.00
		1	74	23.46	23.39	23.47	23.35	2.00	23.70	20.51	20.45	20.42	20.34	0.00	21.00
		36	0	22.38	22.55	22.16	22.49	3.00	22.70	20.33	20.60	20.40	20.20	0.00	21.00
		36	20	22.57	22.59	22.57	22.50	3.00	22.70	20.57	20.60	20.61	20.27	0.00	21.00
		36	39	22.48	22.56	22.41	22.43	3.00	22.70	20.26	20.55	20.59	20.29	0.00	21.00
		75	0	22.47	22.55	22.30	22.39	3.00	22.70	20.25	20.52	20.46	20.30	0.00	21.00
	256QAM	1	0	19.92	20.01	19.96	20.15	5.00	20.70	19.92	19.80	20.02	19.83	0.30	20.70
		1	37	20.19	19.93	20.01	19.94	5.00	20.70	20.04	19.82	19.82	20.08	0.30	20.70
		1	74	20.00	20.15	19.97	19.91	5.00	20.70	19.85	19.83	19.89	19.81	0.30	20.70
		36	0	20.00	20.15	20.07	19.91	5.00	20.70	19.98	19.97	19.99	19.81	0.30	20.70
		36	20	20.20	20.10	20.17	20.15	5.00	20.70	20.02	19.89	19.94	20.09	0.30	20.70
		36	39	20.18	20.14	20.18	20.06	5.00	20.70	19.81	19.89	20.03	19.92	0.30	20.70
		75	0	20.05	20.06	20.14	20.14	5.00	20.70	19.97	19.92	20.05	19.97	0.30	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.

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LTE Band 48 Measured Results (ANT7) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55290.00	55757.00	56223.00	56690.00	MPR	Tune-up Limit	55290.00	55757.00	56223.00	56690.00	MPR	Tune-up Limit
				3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz			3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz		
10 MHz	QPSK	1	0	24.84	24.95	24.91	24.81	0.00	25.70	20.12	20.25	20.27	20.08	0.00	21.00
		1	25	25.19	25.27	25.29	25.13	0.00	25.70	20.49	20.55	20.61	20.44	0.00	21.00
		1	49	25.04	25.13	25.11	25.01	0.00	25.70	20.32	20.40	20.45	20.26	0.00	21.00
		25	0	24.32	24.46	24.47	24.30	1.00	24.70	20.54	20.55	20.59	20.45	0.00	21.00
		25	12	24.29	24.60	24.57	24.33	1.00	24.70	20.66	20.52	20.72	20.56	0.00	21.00
		25	25	24.44	24.58	24.56	24.41	1.00	24.70	20.63	20.68	20.71	20.56	0.00	21.00
		50	0	24.37	24.50	24.51	24.38	1.00	24.70	20.57	20.63	20.63	20.50	0.00	21.00
	16QAM	1	0	24.20	24.23	24.23	24.16	1.00	24.70	20.25	20.43	20.30	20.18	0.00	21.00
		1	25	24.50	24.59	24.56	24.43	1.00	24.70	20.58	20.64	20.61	20.50	0.00	21.00
		1	49	24.43	24.46	24.41	24.35	1.00	24.70	20.42	20.62	20.50	20.35	0.00	21.00
		25	0	23.36	23.47	23.45	23.31	2.00	23.70	20.55	20.53	20.62	20.50	0.00	21.00
		25	12	23.50	23.58	23.60	23.44	2.00	23.70	20.69	20.67	20.74	20.64	0.00	21.00
		25	25	23.46	23.56	23.60	23.41	2.00	23.70	20.68	20.77	20.71	20.62	0.00	21.00
		50	0	23.44	23.51	23.52	23.39	2.00	23.70	20.64	20.60	20.68	20.57	0.00	21.00
	64QAM	1	0	23.24	23.27	23.27	23.20	2.00	23.70	20.14	20.32	20.19	20.07	0.00	21.00
		1	25	23.54	23.63	23.60	23.47	2.00	23.70	20.47	20.53	20.50	20.39	0.00	21.00
		1	49	23.47	23.50	23.45	23.39	2.00	23.70	20.31	20.51	20.39	20.24	0.00	21.00
		25	0	22.40	22.51	22.49	22.35	3.00	22.70	20.44	20.42	20.51	20.39	0.00	21.00
		25	12	22.54	22.62	22.64	22.48	3.00	22.70	20.58	20.56	20.63	20.53	0.00	21.00
		25	25	22.50	22.60	22.64	22.45	3.00	22.70	20.57	20.66	20.60	20.51	0.00	21.00
		50	0	22.48	22.55	22.56	22.43	3.00	22.70	20.53	20.49	20.57	20.46	0.00	21.00
	256QAM	1	0	20.03	20.00	20.12	19.94	5.00	20.70	19.84	19.90	19.87	20.04	0.30	20.70
		1	25	19.95	19.93	20.07	20.08	5.00	20.70	19.95	20.03	20.00	19.86	0.30	20.70
		1	49	20.00	19.97	20.19	20.14	5.00	20.70	19.90	19.96	19.85	19.84	0.30	20.70
		25	0	20.04	19.97	20.13	19.99	5.00	20.70	19.98	19.80	19.87	20.05	0.30	20.70
		25	12	20.19	20.09	19.91	20.15	5.00	20.70	19.84	19.93	19.96	19.94	0.30	20.70
		25	25	20.06	20.01	20.00	19.91	5.00	20.70	19.86	19.93	19.84	19.89	0.30	20.70
		50	0	20.13	20.05	20.17	20.00	5.00	20.70	20.09	20.06	20.05	19.90	0.30	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55265.00	55748.00	56232.00	56715.00	MPR	Tune-up Limit	55265.00	55748.00	56232.00	56715.00	MPR	Tune-up Limit
				3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz			3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz		
5 MHz	QPSK	1	0	24.93	25.12	25.17	24.96	0.00	25.70	20.19	20.23	20.27	20.13	0.00	21.00
		1	12	25.08	25.30	25.28	25.07	0.00	25.70	20.41	20.40	20.37	20.31	0.00	21.00
		1	24	25.05	25.29	25.24	25.03	0.00	25.70	20.38	20.37	20.35	20.28	0.00	21.00
		12	0	24.31	24.53	24.55	24.36	1.00	24.70	20.35	20.29	20.42	20.31	0.00	21.00
		12	7	24.46	24.64	24.63	24.46	1.00	24.70	20.48	20.55	20.51	20.37	0.00	21.00
		12	13	24.52	24.60	24.62	24.44	1.00	24.70	20.48	20.54	20.50	20.36	0.00	21.00
		25	0	24.44	24.56	24.53	24.40	1.00	24.70	20.41	20.52	20.48	20.32	0.00	21.00
	16QAM	1	0	24.24	24.36	24.59	24.26	1.00	24.70	20.41	20.27	20.39	20.36	0.00	21.00
		1	12	24.40	24.55	24.63	24.38	1.00	24.70	20.46	20.46	20.50	20.55	0.00	21.00
		1	24	24.37	24.49	24.69	24.33	1.00	24.70	20.59	20.40	20.46	20.48	0.00	21.00
		12	0	23.30	23.34	23.48	23.31	2.00	23.70	20.34	20.49	20.46	20.30	0.00	21.00
		12	7	23.51	23.57	23.67	23.48	2.00	23.70	20.51	20.59	20.51	20.41	0.00	21.00
		12	13	23.55	23.58	23.62	23.50	2.00	23.70	20.51	20.59	20.51	20.47	0.00	21.00
		25	0	23.40	23.56	23.52	23.41	2.00	23.70	20.44	20.53	20.54	20.35	0.00	21.00
	64QAM	1	0	23.28	23.40	23.63	23.30	2.00	23.70	20.30	20.16	20.28	20.25	0.00	21.00
		1	12	23.44	23.59	23.67	23.42	2.00	23.70	20.35	20.35	20.39	20.44	0.00	21.00
		1	24	23.41	23.53	23.63	23.37	2.00	23.70	20.48	20.29	20.35	20.37	0.00	21.00
		12	0	22.34	22.38	22.52	22.35	3.00	22.70	20.23	20.38	20.35	20.19	0.00	21.00
		12	7	22.55	22.61	22.61	22.52	3.00	22.70	20.40	20.48	20.40	20.30	0.00	21.00
		12	13	22.59	22.62	22.66	22.54	3.00	22.70	20.40	20.48	20.40	20.36	0.00	21.00
		25	0	22.44	22.60	22.56	22.45	3.00	22.70	20.33	20.42	20.43	20.24	0.00	21.00
	256QAM	1	0	20.17	19.94	19.95	20.16	5.00	20.70	19.84	19.80	19.82	20.00	0.30	20.70
		1	12	20.08	20.07	19.98	20.03	5.00	20.70	19.96	19.93	19.93	20.09	0.30	20.70
		1	24	20.01	19.93	20.05	19.98	5.00	20.70	19.95	19.87	19.94	19.87	0.30	20.70
		12	0	19.91	20.08	19.96	19.97	5.00	20.70	19.96	20.05	20.03	19.85	0.30	20.70
		12	7	20.14	20.11	19.98	19.96	5.00	20.70	19.81	19.95	19.90	19.96	0.30	20.70
		12	13	19.98	20.08	20.17	20.11	5.00	20.70	19.85	19.85	19.91	19.80	0.30	20.70
		25	0	19.97	19.95	20.20	20.16	5.00	20.70	20.02	19.94	19.84	19.91	0.30	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.

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LTE Band 48 Measured Results (ANT8)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55340	55773	56207	56640	MPR	Tune-up Limit	55340	55773	56207	56640	MPR	Tune-up Limit
				3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz			3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz		
20 MHz	QPSK	1	0	21.60	21.63	21.53	21.58	0.00	22.00	19.40	19.39	19.28	19.33	0.00	20.00
		1	49	22.00	22.00	22.00	22.00	0.00	22.00	20.00	20.00	20.00	20.00	0.00	20.00
		1	99	21.57	21.43	21.58	21.47	0.00	22.00	19.38	19.16	19.35	19.22	0.00	20.00
		50	0	21.76	21.75	21.69	21.74	0.00	22.00	19.66	19.63	19.56	19.61	0.00	20.00
		50	24	22.00	22.00	22.00	22.00	0.00	22.00	20.00	20.00	20.00	20.00	0.00	20.00
		50	50	21.69	21.68	21.84	21.69	0.00	22.00	19.61	19.56	19.70	19.58	0.00	20.00
		100	0	21.70	21.72	22.00	21.73	0.00	22.00	19.58	19.60	20.00	19.60	0.00	20.00
	16QAM	1	0	21.67	21.73	21.61	21.64	0.00	22.00	19.56	19.56	19.38	19.48	0.00	20.00
		1	49	22.00	21.89	21.99	21.89	0.00	22.00	19.80	19.69	19.82	19.72	0.00	20.00
		1	99	21.66	21.52	21.67	21.55	0.00	22.00	19.52	19.32	19.50	19.38	0.00	20.00
		50	0	20.83	20.79	20.73	20.77	0.80	21.20	19.71	19.67	19.60	19.65	0.00	20.00
		50	24	20.81	20.86	20.85	20.82	0.80	21.20	19.71	19.73	19.73	19.73	0.00	20.00
		50	50	20.73	20.71	20.83	20.71	0.80	21.20	19.61	19.60	19.72	19.62	0.00	20.00
		100	0	20.68	20.72	20.71	20.73	0.80	21.20	19.60	19.61	19.59	19.60	0.00	20.00
	64QAM	1	0	20.54	20.68	20.48	20.52	0.80	21.20	19.41	19.48	19.27	19.42	0.00	20.00
		1	49	20.86	20.76	20.93	20.78	0.80	21.20	19.83	19.60	19.72	19.67	0.00	20.00
		1	99	20.50	20.42	20.65	20.48	0.80	21.20	19.49	19.30	19.42	19.36	0.00	20.00
		50	0	19.82	19.79	19.74	19.79	1.80	20.20	19.73	19.73	19.63	19.71	0.00	20.00
		50	24	19.83	19.87	19.85	19.87	1.80	20.20	19.74	19.80	19.76	19.78	0.00	20.00
		50	50	19.75	19.74	19.87	19.76	1.80	20.20	19.63	19.67	19.77	19.70	0.00	20.00
		100	0	19.74	19.76	19.75	19.76	1.80	20.20	19.65	19.69	19.67	19.69	0.00	20.00
	256QAM	1	0	17.53	17.62	17.78	17.75	3.80	18.20	17.57	17.79	17.78	17.67	1.80	18.20
		1	49	17.55	17.76	17.66	17.53	3.80	18.20	17.61	17.54	17.61	17.54	1.80	18.20
		1	99	17.64	17.55	17.64	17.69	3.80	18.20	17.70	17.60	17.57	17.58	1.80	18.20
		50	0	17.66	17.60	17.79	17.59	3.80	18.20	17.54	17.66	17.76	17.52	1.80	18.20
		50	24	17.75	17.73	17.57	17.62	3.80	18.20	17.56	17.66	17.67	17.51	1.80	18.20
		50	50	17.63	17.65	17.64	17.64	3.80	18.20	17.52	17.77	17.74	17.67	1.80	18.20
		100	0	17.52	17.53	17.75	17.68	3.80	18.20	17.75	17.56	17.52	17.66	1.80	18.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55315	55765	56215	56665	MPR	Tune-up Limit	55315	55765	56215	56665	MPR	Tune-up Limit
				3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz			3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz		
15 MHz	QPSK	1	0	21.61	21.73	21.62	21.65	0.00	22.00	19.45	19.48	19.40	19.38	0.00	20.00
		1	37	21.82	21.80	21.91	21.85	0.00	22.00	19.67	19.55	19.69	19.58	0.00	20.00
		1	74	21.70	21.60	21.75	21.69	0.00	22.00	19.51	19.38	19.51	19.39	0.00	20.00
		36	0	21.86	21.83	21.75	21.74	0.00	22.00	19.71	19.66	19.57	19.53	0.00	20.00
		36	20	21.87	21.80	21.88	21.78	0.00	22.00	19.76	19.70	19.76	19.59	0.00	20.00
		36	39	21.77	21.73	21.91	21.78	0.00	22.00	19.65	19.65	19.79	19.66	0.00	20.00
		75	0	21.73	21.73	21.72	21.67	0.00	22.00	19.59	19.60	19.59	19.52	0.00	20.00
	16QAM	1	0	21.68	21.74	21.70	21.74	0.00	22.00	19.58	19.67	19.58	19.56	0.00	20.00
		1	37	21.87	21.79	21.93	21.88	0.00	22.00	19.83	19.69	19.81	19.69	0.00	20.00
		1	74	21.72	21.63	21.79	21.69	0.00	22.00	19.66	19.48	19.64	19.52	0.00	20.00
		36	0	20.84	20.82	20.74	20.74	0.80	21.20	19.70	19.71	19.60	19.57	0.00	20.00
		36	20	20.92	20.80	20.94	20.75	0.80	21.20	19.80	19.73	19.78	19.64	0.00	20.00
		36	39	20.76	20.79	20.86	20.77	0.80	21.20	19.63	19.65	19.74	19.62	0.00	20.00
		75	0	20.72	20.78	20.74	20.68	0.80	21.20	19.59	19.64	19.65	19.54	0.00	20.00
	64QAM	1	0	20.43	20.46	20.38	20.35	0.80	21.20	19.26	19.36	19.22	19.37	0.00	20.00
		1	37	20.62	20.52	20.64	20.55	0.80	21.20	19.49	19.37	19.51	19.42	0.00	20.00
		1	74	20.44	20.37	20.51	20.41	0.80	21.20	19.44	19.24	19.36	19.27	0.00	20.00
		36	0	19.79	19.78	19.71	19.61	1.80	20.20	19.68	19.67	19.58	19.54	0.00	20.00
		36	20	19.87	19.85	19.90	19.68	1.80	20.20	19.77	19.69	19.78	19.63	0.00	20.00
		36	39	19.69	19.71	19.88	19.69	1.80	20.20	19.63	19.66	19.76	19.62	0.00	20.00
		75	0	19.75	19.80	19.77	19.68	1.80	20.20	19.66	19.71	19.68	19.61	0.00	20.00
	256QAM	1	0	17.66	17.69	17.66	17.51	3.80	18.20	17.63	17.63	17.77	17.67	1.80	18.20
		1	37	17.70	17.62	17.76	17.62	3.80	18.20	17.57	17.52	17.50	17.69	1.80	18.20
		1	74	17.52	17.55	17.54	17.78	3.80	18.20	17.57	17.72	17.70	17.55	1.80	18.20
		36	0	17.51	17.51	17.57	17.52	3.80	18.20	17.56	17.55	17.71	17.65	1.80	18.20
		36	20	17.64	17.63	17.73	17.65	3.80	18.20	17.78	17.62	17.51	17.66	1.80	18.20
		36	39	17.78	17.66	17.54	17.68	3.80	18.20	17.58	17.56	17.70	17.76	1.80	18.20
		75	0	17.58	17.56	17.63	17.69	3.80	18.20	17.79	17.64	17.59	17.60	1.80	18.20

Notes:

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

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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	21.51	21.48	21.51	21.46	0.00	22.00	19.25	19.18	19.23	19.18	0.00	20.00
		1	25	21.85	21.83	21.88	21.81	0.00	22.00	19.59	19.54	19.56	19.49	0.00	20.00
		1	49	21.70	21.70	21.71	21.59	0.00	22.00	19.39	19.36	19.45	19.36	0.00	20.00
		25	0	21.75	21.73	21.74	21.68	0.00	22.00	19.55	19.49	19.57	19.52	0.00	20.00
		25	12	21.75	21.70	21.78	21.55	0.00	22.00	19.53	19.44	19.58	19.51	0.00	20.00
		25	25	21.86	21.82	21.87	21.81	0.00	22.00	19.71	19.65	19.74	19.68	0.00	20.00
		50	0	21.80	21.77	21.85	21.65	0.00	22.00	19.59	19.56	19.63	19.60	0.00	20.00
	16QAM	1	0	21.58	21.57	21.65	21.62	0.00	22.00	19.47	19.39	19.49	19.43	0.00	20.00
		1	25	21.87	21.83	21.84	21.78	0.00	22.00	19.68	19.62	19.72	19.62	0.00	20.00
		1	49	21.78	21.75	21.80	21.75	0.00	22.00	19.63	19.57	19.61	19.60	0.00	20.00
		25	0	20.77	20.70	20.68	20.71	0.80	21.20	19.67	19.59	19.63	19.58	0.00	20.00
		25	12	20.88	20.82	20.81	20.86	0.80	21.20	19.81	19.71	19.77	19.70	0.00	20.00
		25	25	20.86	20.84	20.90	20.80	0.80	21.20	19.79	19.74	19.81	19.71	0.00	20.00
		50	0	20.85	20.78	20.85	20.79	0.80	21.20	19.75	19.71	19.75	19.65	0.00	20.00
	64QAM	1	0	20.64	20.56	20.70	20.66	0.80	21.20	19.58	19.56	19.58	19.53	0.00	20.00
		1	25	20.91	20.90	20.89	20.85	0.80	21.20	19.74	19.73	19.83	19.70	0.00	20.00
		1	49	20.84	20.81	20.86	20.81	0.80	21.20	19.70	19.65	19.70	19.63	0.00	20.00
		25	0	19.68	19.65	19.71	19.66	1.80	20.20	19.60	19.57	19.59	19.53	0.00	20.00
		25	12	19.79	19.72	19.82	19.76	1.80	20.20	19.73	19.65	19.71	19.62	0.00	20.00
		25	25	19.70	19.71	19.76	19.62	1.80	20.20	19.53	19.55	19.60	19.59	0.00	20.00
		50	0	19.73	19.71	19.73	19.69	1.80	20.20	19.58	19.56	19.64	19.58	0.00	20.00
	256QAM	1	0	17.69	17.52	17.55	17.59	3.80	18.20	17.58	17.58	17.53	17.59	1.80	18.20
		1	25	17.67	17.74	17.78	17.61	3.80	18.20	17.70	17.55	17.51	17.79	1.80	18.20
		1	49	17.79	17.53	17.79	17.74	3.80	18.20	17.71	17.52	17.76	17.73	1.80	18.20
		25	0	17.78	17.69	17.80	17.71	3.80	18.20	17.79	17.79	17.78	17.62	1.80	18.20
		25	12	17.79	17.62	17.62	17.63	3.80	18.20	17.78	17.61	17.52	17.79	1.80	18.20
		25	25	17.62	17.63	17.57	17.63	3.80	18.20	17.56	17.61	17.72	17.62	1.80	18.20
		50	0	17.54	17.64	17.64	17.59	3.80	18.20	17.70	17.53	17.75	17.75	1.80	18.20

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	21.75	21.77	21.87	21.65	0.00	22.00	19.59	19.56	19.48	19.49	0.00	20.00
		1	12	21.84	21.92	21.21	21.76	0.00	22.00	19.73	19.72	19.62	19.63	0.00	20.00
		1	24	21.84	21.90	21.98	21.74	0.00	22.00	19.69	19.66	19.60	19.59	0.00	20.00
		12	0	21.90	21.69	22.00	21.82	0.00	22.00	19.66	19.62	19.77	19.66	0.00	20.00
		12	7	21.88	21.78	21.91	21.71	0.00	22.00	19.81	19.77	19.76	19.64	0.00	20.00
		12	13	21.80	21.85	21.94	21.69	0.00	22.00	19.79	19.77	19.76	19.73	0.00	20.00
		25	0	21.89	21.87	21.93	21.81	0.00	22.00	19.74	19.73	19.76	19.66	0.00	20.00
	16QAM	1	0	21.80	21.93	21.97	21.66	0.00	22.00	19.80	19.78	19.57	19.71	0.00	20.00
		1	12	21.87	21.90	21.98	21.77	0.00	22.00	19.99	19.97	19.67	19.89	0.00	20.00
		1	24	21.83	21.82	21.95	21.73	0.00	22.00	19.93	19.88	19.64	19.82	0.00	20.00
		12	0	21.00	20.97	20.99	20.85	0.80	21.20	19.88	19.80	19.81	19.53	0.00	20.00
		12	7	20.85	20.86	20.91	20.70	0.80	21.20	19.83	19.77	19.74	19.83	0.00	20.00
		12	13	20.88	20.87	20.99	20.72	0.80	21.20	19.84	19.83	19.76	19.70	0.00	20.00
		25	0	20.91	20.88	20.95	20.81	0.80	21.20	19.82	19.79	19.80	19.73	0.00	20.00
	64QAM	1	0	20.94	20.88	21.00	20.78	0.80	21.20	19.74	19.73	19.72	19.64	0.00	20.00
		1	12	21.10	21.03	21.12	20.94	0.80	21.20	19.93	19.90	19.90	19.80	0.00	20.00
		1	24	21.02	20.98	21.06	20.90	0.80	21.20	19.83	19.81	19.84	19.73	0.00	20.00
		12	0	19.64	19.61	19.72	19.49	1.80	20.20	19.52	19.51	19.49	19.66	0.00	20.00
		12	7	19.98	19.77	19.90	19.76	1.80	20.20	19.67	19.71	19.69	19.60	0.00	20.00
		12	13	19.80	19.73	19.94	19.68	1.80	20.20	19.77	19.76	19.70	19.70	0.00	20.00
		25	0	19.79	19.73	19.87	19.69	1.80	20.20	19.67	19.67	19.68	19.59	0.00	20.00
	256QAM	1	0	17.56	17.52	17.60	17.74	3.80	18.20	17.56	17.70	17.64	17.77	1.80	18.20
		1	12	17.72	17.58	17.71	17.58	3.80	18.20	17.70	17.68	17.65	17.60	1.80	18.20
		1	24	17.79	17.79	17.70	17.79	3.80	18.20	17.69	17.67	17.68	17.54	1.80	18.20
		12	0	17.74	17.73	17.58	17.79	3.80	18.20	17.50	17.63	17.67	17.63	1.80	18.20
		12	7	17.66	17.53	17.53	17.57	3.80	18.20	17.55	17.72	17.70	17.73	1.80	18.20
		12	13	17.76	17.53	17.59	17.68	3.80	18.20	17.75	17.73	17.64	17.72	1.80	18.20
		25	0	17.51	17.52	17.56	17.75	3.80	18.20	17.53	17.78	17.58	17.51	1.80	18.20

Notes:

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

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LTE Band 48 Measured Results (ANT9)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55340.00	55773.00	56207.00	56640.00	MPR	Tune-up Limit	55340.00	55773.00	56207.00	56640.00	MPR	Tune-up Limit
				3560 MHz	24.71	3646.7 MHz	3690 MHz			3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz		
20 MHz	QPSK	1	0	24.33	24.46	24.49	24.47	0.00	25.20	21.67	21.84	21.86	21.85	0.00	22.50
		1	49	24.90	24.90	24.90	24.90	0.00	25.20	22.25	22.25	22.25	22.25	0.00	22.50
		1	99	24.35	24.34	24.54	24.37	0.00	25.20	21.71	21.78	21.86	21.72	0.00	22.50
		50	0	23.58	23.70	23.83	23.78	1.00	24.20	21.96	22.11	22.17	22.10	0.00	22.50
		50	24	24.00	24.00	24.00	24.00	1.00	24.20	22.25	22.25	22.25	22.25	0.00	22.50
		50	50	23.59	23.67	23.91	23.66	1.00	24.20	22.00	22.10	22.24	22.00	0.00	22.50
		100	0	23.60	23.70	24.00	23.76	1.00	24.20	21.96	22.11	22.25	22.07	0.00	22.50
	16QAM	1	0	23.53	23.64	23.64	23.64	1.00	24.20	21.73	21.86	22.02	22.01	0.00	22.50
		1	49	23.76	23.82	24.03	23.91	1.00	24.20	22.00	22.05	22.00	22.28	0.00	22.50
		1	99	23.53	23.51	23.71	23.52	1.00	24.20	21.74	21.77	22.07	21.90	0.00	22.50
		50	0	22.62	22.77	22.86	22.83	2.00	23.20	21.98	22.12	22.25	22.18	0.00	22.50
		50	24	22.72	22.82	23.01	22.88	2.00	23.20	22.04	22.18	22.00	22.24	0.00	22.50
		50	50	22.61	22.71	22.93	22.68	2.00	23.20	21.99	22.09	22.00	22.06	0.00	22.50
		100	0	22.60	22.70	22.86	22.75	2.00	23.20	21.99	22.14	22.24	22.13	0.00	22.50
	64QAM	1	0	22.40	22.53	22.54	22.54	2.00	23.20	22.13	22.18	21.90	21.91	0.00	22.50
		1	49	22.66	22.69	22.91	22.77	2.00	23.20	22.20	22.10	22.25	22.14	0.00	22.50
		1	99	22.38	22.43	22.59	22.41	2.00	23.20	22.11	22.10	21.89	21.76	0.00	22.50
		50	0	21.65	21.77	21.87	21.82	3.00	22.20	21.53	21.62	21.77	21.70	0.30	22.20
		50	24	21.76	21.82	22.02	21.92	3.00	22.20	21.62	21.67	21.92	21.78	0.30	22.20
		50	50	21.65	21.74	21.97	21.73	3.00	22.20	21.54	21.60	21.83	21.59	0.30	22.20
		100	0	21.65	21.73	21.92	21.81	3.00	22.20	21.49	21.57	21.81	21.68	0.30	22.20
	256QAM	1	0	19.65	19.68	19.51	19.63	5.00	20.20	19.56	19.64	19.60	19.52	2.30	20.20
		1	49	19.41	19.42	19.65	19.49	5.00	20.20	19.49	19.57	19.55	19.50	2.30	20.20
		1	99	19.55	19.61	19.42	19.65	5.00	20.20	19.59	19.59	19.45	19.47	2.30	20.20
		50	0	19.47	19.42	19.55	19.40	5.00	20.20	19.68	19.45	19.67	19.50	2.30	20.20
		50	24	19.67	19.67	19.62	19.61	5.00	20.20	19.55	19.45	19.57	19.67	2.30	20.20
		50	50	19.49	19.50	19.57	19.54	5.00	20.20	19.53	19.45	19.58	19.48	2.30	20.20
		100	0	19.63	19.68	19.66	19.54	5.00	20.20	19.52	19.41	19.62	19.50	2.30	20.20
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55315.00	55765.00	56215.00	56665.00	MPR	Tune-up Limit	55315.00	55765.00	56215.00	56665.00	MPR	Tune-up Limit
				3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz			3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz		
15 MHz	QPSK	1	0	24.39	24.56	24.65	24.60	0.00	25.20	21.56	21.63	21.87	21.73	0.00	22.50
		1	37	24.59	24.64	24.89	24.73	0.00	25.20	21.65	21.70	22.10	21.87	0.00	22.50
		1	74	24.44	24.50	24.73	24.54	0.00	25.20	21.52	21.59	21.92	21.66	0.00	22.50
		36	0	23.64	23.72	23.85	23.75	1.00	24.20	21.77	21.90	22.06	21.90	0.00	22.50
		36	20	23.59	23.66	23.97	23.86	1.00	24.20	21.75	21.87	22.18	21.93	0.00	22.50
		36	39	23.52	23.65	23.98	23.81	1.00	24.20	21.67	21.80	22.17	21.90	0.00	22.50
		75	0	23.49	23.60	23.89	23.73	1.00	24.20	21.67	21.78	22.08	21.89	0.00	22.50
	16QAM	1	0	23.47	23.67	23.78	23.72	1.00	24.20	21.62	21.79	22.04	21.94	0.00	22.50
		1	37	23.71	23.76	24.01	23.83	1.00	24.20	21.83	21.90	22.24	22.09	0.00	22.50
		1	74	23.50	23.57	23.82	23.65	1.00	24.20	21.67	21.76	22.06	21.85	0.00	22.50
		36	0	22.67	22.74	22.87	22.82	2.00	23.20	21.76	21.94	22.15	21.97	0.00	22.50
		36	20	22.61	22.70	23.01	22.85	2.00	23.20	21.76	21.87	22.22	22.04	0.00	22.50
		36	39	22.54	22.67	22.96	22.76	2.00	23.20	21.71	21.85	22.19	21.98	0.00	22.50
		75	0	22.53	22.63	22.91	22.76	2.00	23.20	21.70	21.85	22.16	21.96	0.00	22.50
	64QAM	1	0	22.24	22.40	22.49	22.43	2.00	23.20	21.65	21.83	21.97	22.07	0.00	22.50
		1	37	22.42	22.45	22.70	22.53	2.00	23.20	21.83	21.87	22.14	22.19	0.00	22.50
		1	74	22.23	22.27	22.48	22.32	2.00	23.20	21.58	21.62	21.92	21.97	0.00	22.50
		36	0	21.59	21.71	21.82	21.77	3.00	22.20	21.36	21.47	21.70	21.45	0.30	22.20
		36	20	21.59	21.67	21.97	21.80	3.00	22.20	21.34	21.47	21.77	21.52	0.30	22.20
		36	39	21.52	21.60	21.94	21.72	3.00	22.20	21.28	21.38	21.72	21.41	0.30	22.20
		75	0	21.58	21.68	21.93	21.80	3.00	22.20	21.21	21.34	21.65	21.47	0.30	22.20
	256QAM	1	0	19.44	19.53	19.65	19.56	5.00	20.20	19.57	19.59	19.50	19.67	2.30	20.20
		1	37	19.53	19.47	19.60	19.65	5.00	20.20	19.69	19.54	19.68	19.59	2.30	20.20
		1	74	19.46	19.44	19.53	19.61	5.00	20.20	19.68	19.54	19.68	19.42	2.30	20.20
		36	0	19.49	19.48	19.47	19.68	5.00	20.20	19.48	19.56	19.43	19.46	2.30	20.20
		36	20	19.50	19.44	19.56	19.66	5.00	20.20	19.47	19.41	19.59	19.49	2.30	20.20
		36	39	19.60	19.44	19.41	19.46	5.00	20.20	19.60	19.52	19.43	19.42	2.30	20.20
		75	0	19.46	19.44	19.43	19.41	5.00	20.20	19.68	19.41	19.58	19.61	2.30	20.20

Notes:

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

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LTE Band 48 Measured Results (ANT9) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55290.00	55757.00	56223.00	56690.00	MPR	Tune-up Limit	55290.00	55757.00	56223.00	56690.00	MPR	Tune-up Limit
				3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz			3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz		
10 MHz	QPSK	1	0	24.21	24.30	24.45	24.36	0.00	25.20	21.75	21.88	22.07	21.87	0.00	22.50
		1	25	24.55	24.65	24.85	24.70	0.00	25.20	22.12	22.24	22.44	22.17	0.00	22.50
		1	49	24.38	24.54	24.64	24.55	0.00	25.20	21.90	22.08	22.24	21.99	0.00	22.50
		25	0	23.53	23.59	23.77	23.66	1.00	24.20	21.74	21.84	22.03	21.76	0.00	22.50
		25	12	23.50	23.60	23.77	23.70	1.00	24.20	21.85	21.88	22.14	21.78	0.00	22.50
		25	25	23.56	23.65	23.92	23.78	1.00	24.20	21.73	21.89	22.11	21.89	0.00	22.50
		50	0	23.50	23.58	23.84	23.75	1.00	24.20	21.67	21.80	22.07	21.85	0.00	22.50
	16QAM	1	0	23.42	23.47	23.69	23.58	1.00	24.20	21.52	21.56	21.73	21.64	0.00	22.50
		1	25	23.65	23.72	23.90	23.80	1.00	24.20	21.82	21.92	22.07	21.84	0.00	22.50
		1	49	23.55	23.62	23.81	23.71	1.00	24.20	21.62	21.75	21.91	21.82	0.00	22.50
		25	0	22.54	22.57	22.78	22.70	2.00	23.20	21.77	21.86	22.05	21.87	0.00	22.50
		25	12	22.67	22.64	22.89	22.83	2.00	23.20	21.87	21.92	22.18	22.00	0.00	22.50
		25	25	22.59	22.68	22.95	22.81	2.00	23.20	21.75	21.89	22.16	21.94	0.00	22.50
		50	0	22.57	22.58	22.90	22.78	2.00	23.20	21.72	21.86	22.11	21.93	0.00	22.50
	64QAM	1	0	22.47	22.61	22.69	22.55	2.00	23.20	21.61	21.64	21.87	22.19	0.00	22.50
		1	25	22.63	22.81	22.84	22.76	2.00	23.20	21.88	21.95	22.15	22.00	0.00	22.50
		1	49	22.56	22.69	22.81	22.73	2.00	23.20	21.65	21.79	21.96	22.39	0.00	22.50
		25	0	21.52	21.58	21.76	21.65	3.00	22.20	21.32	21.40	21.60	21.28	0.30	22.20
		25	12	21.59	21.63	21.88	21.73	3.00	22.20	21.40	21.47	21.72	21.38	0.30	22.20
		25	25	21.40	21.64	21.69	21.48	3.00	22.20	21.30	21.44	21.69	21.31	0.30	22.20
		50	0	21.44	21.61	21.72	21.58	3.00	22.20	21.39	21.32	21.58	21.27	0.30	22.20
	256QAM	1	0	19.59	19.59	19.60	19.67	5.00	20.20	19.70	19.42	19.43	19.59	2.30	20.20
		1	25	19.56	19.65	19.64	19.56	5.00	20.20	19.55	19.44	19.41	19.70	2.30	20.20
		1	49	19.64	19.66	19.49	19.58	5.00	20.20	19.62	19.59	19.65	19.54	2.30	20.20
		25	0	19.67	19.58	19.41	19.53	5.00	20.20	19.56	19.46	19.55	19.42	2.30	20.20
		25	12	19.58	19.41	19.56	19.54	5.00	20.20	19.43	19.64	19.42	19.41	2.30	20.20
		25	25	19.41	19.68	19.61	19.41	5.00	20.20	19.63	19.47	19.48	19.41	2.30	20.20
		50	0	19.63	19.59	19.70	19.63	5.00	20.20	19.50	19.49	19.68	19.55	2.30	20.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55265.00	55748.00	56232.00	56715.00	MPR	Tune-up Limit	55265.00	55748.00	56232.00	56715.00	MPR	Tune-up Limit
				3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz			3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz		
5 MHz	QPSK	1	0	24.51	24.57	24.72	24.55	0.00	25.20	21.57	21.66	21.94	21.73	0.00	22.50
		1	12	24.61	24.68	24.87	24.71	0.00	25.20	21.70	21.78	22.10	21.86	0.00	22.50
		1	24	24.61	24.62	24.79	24.70	0.00	25.20	21.65	21.74	22.04	21.83	0.00	22.50
		12	0	23.65	23.80	23.97	23.59	1.00	24.20	21.77	21.90	22.14	21.81	0.00	22.50
		12	7	23.72	23.70	23.83	23.63	1.00	24.20	21.90	21.98	22.17	21.99	0.00	22.50
		12	13	23.66	23.71	23.82	23.72	1.00	24.20	21.89	21.86	22.18	21.97	0.00	22.50
		25	0	23.61	23.66	23.89	23.72	1.00	24.20	21.82	21.86	22.10	21.88	0.00	22.50
	16QAM	1	0	23.52	23.77	23.93	23.77	1.00	24.20	21.66	21.73	22.15	21.95	0.00	22.50
		1	12	23.62	23.95	24.12	23.93	1.00	24.20	21.79	21.88	22.00	22.09	0.00	22.50
		1	24	23.57	23.85	23.97	23.87	1.00	24.20	21.77	21.80	22.23	22.04	0.00	22.50
		12	0	22.48	22.62	22.99	22.81	2.00	23.20	21.69	22.00	22.01	21.99	0.00	22.50
		12	7	22.60	22.86	22.89	22.71	2.00	23.20	21.91	22.02	22.10	22.06	0.00	22.50
		12	13	22.64	22.81	22.91	22.77	2.00	23.20	21.91	21.97	22.17	21.98	0.00	22.50
		25	0	22.65	22.67	22.93	22.77	2.00	23.20	21.84	21.89	22.17	21.94	0.00	22.50
	64QAM	1	0	22.70	22.75	22.92	22.74	2.00	23.20	21.70	21.53	22.11	21.92	0.00	22.50
		1	12	22.80	22.89	23.08	22.88	2.00	23.20	21.50	21.61	22.00	22.05	0.00	22.50
		1	24	22.73	22.78	22.96	22.83	2.00	23.20	21.76	21.53	22.17	21.99	0.00	22.50
		12	0	21.54	21.69	21.67	21.67	3.00	22.20	21.23	21.35	21.41	21.40	0.30	22.20
		12	7	21.58	21.65	21.85	21.69	3.00	22.20	21.36	21.47	21.52	21.44	0.30	22.20
		12	13	21.56	21.70	21.83	21.66	3.00	22.20	21.34	21.52	21.52	21.33	0.30	22.20
		25	0	21.54	21.59	21.82	21.67	3.00	22.20	21.37	21.44	21.56	21.33	0.30	22.20
	256QAM	1	0	19.44	19.44	19.58	19.56	5.00	20.20	19.65	19.41	19.59	19.46	2.30	20.20
		1	12	19.60	19.57	19.63	19.51	5.00	20.20	19.45	19.56	19.45	19.52	2.30	20.20
		1	24	19.46	19.51	19.53	19.44	5.00	20.20	19.62	19.64	19.70	19.54	2.30	20.20
		12	0	19.70	19.61	19.65	19.69	5.00	20.20	19.45	19.52	19.63	19.54	2.30	20.20
		12	7	19.41	19.54	19.43	19.46	5.00	20.20	19.48	19.43	19.49	19.61	2.30	20.20
		12	13	19.59	19.49	19.64	19.55	5.00	20.20	19.42	19.63	19.45	19.63	2.30	20.20
		25	0	19.44	19.57	19.61	19.59	5.00	20.20	19.50	19.51	19.48	19.48	2.30	20.20

Notes:

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LTE Band 48 Measured Results (ANT4)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55340	55773	56207	56640	MPR	Tune-up Limit	55340	55773	56207	56640	MPR	Tune-up Limit
				3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz			3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz		
20 MHz	QPSK	1	0	19.11	19.17	18.92	18.70	0.00	19.50	20.61	20.67	20.42	20.20	0.00	21.00
		1	49	19.50	19.50	19.50	19.50	0.00	19.50	20.90	20.84	20.90	20.40	0.00	21.00
		1	99	19.11	18.92	18.93	18.53	0.00	19.50	20.61	20.42	20.43	20.03	0.00	21.00
		50	0	19.32	19.33	19.13	18.96	0.00	19.50	20.82	20.83	20.63	20.46	0.00	21.00
		50	24	19.50	19.50	19.50	19.50	0.00	19.50	20.70	20.95	20.90	20.49	0.00	21.00
		50	50	19.38	19.32	19.23	18.91	0.00	19.50	20.88	20.82	20.73	20.41	0.00	21.00
		100	0	19.38	19.35	19.50	18.93	0.00	19.50	20.88	20.85	20.66	20.43	0.00	21.00
	16QAM	1	0	19.29	19.18	18.84	18.88	0.00	19.50	20.79	20.68	20.34	20.38	0.00	21.00
		1	49	19.31	19.31	19.20	19.11	0.00	19.50	20.70	20.70	20.70	20.61	0.00	21.00
		1	99	19.28	18.92	18.81	18.74	0.00	19.50	20.78	20.42	20.31	20.24	0.00	21.00
		50	0	18.83	18.82	18.70	18.55	0.00	19.50	20.33	20.32	20.20	20.05	0.30	20.70
		50	24	19.03	18.93	18.79	18.61	0.00	19.50	20.53	20.43	20.29	20.11	0.30	20.70
		50	50	18.90	18.80	18.79	18.79	0.00	19.50	20.40	20.30	20.29	20.29	0.30	20.70
		100	0	18.90	18.87	18.66	18.65	0.00	19.50	20.40	20.37	20.16	20.15	0.30	20.70
	64QAM	1	0	19.29	19.18	18.84	18.88	0.00	19.50	20.49	20.38	20.04	20.08	0.30	20.70
		1	49	19.31	19.31	19.20	19.11	0.00	19.50	20.51	20.51	20.40	20.31	0.30	20.70
		1	99	19.28	18.92	18.81	18.74	0.00	19.50	20.48	20.12	20.01	19.94	0.30	20.70
		50	0	17.93	17.92	17.80	17.88	0.80	18.70	19.63	19.62	19.50	19.58	1.30	19.70
		50	24	18.13	18.03	17.89	17.71	0.80	18.70	19.53	19.43	19.29	19.11	1.30	19.70
		50	50	18.00	17.90	17.89	17.89	0.80	18.70	19.40	19.30	19.29	19.29	1.30	19.70
		100	0	18.00	17.97	17.76	17.75	0.80	18.70	19.40	19.37	19.16	19.15	1.30	19.70
	256QAM	1	0	16.94	17.18	17.13	17.02	1.80	17.70	17.13	17.00	17.03	17.17	3.30	17.70
		1	49	17.12	16.95	17.13	17.07	1.80	17.70	17.08	17.13	16.94	17.18	3.30	17.70
		1	99	17.13	16.95	16.94	17.17	1.80	17.70	16.93	17.03	17.08	17.05	3.30	17.70
		50	0	17.18	17.12	16.93	17.10	1.80	17.70	17.09	16.91	17.04	17.13	3.30	17.70
		50	24	17.05	16.92	17.11	17.06	1.80	17.70	17.04	17.20	16.98	17.09	3.30	17.70
		50	50	17.13	17.20	17.07	17.10	1.80	17.70	17.13	17.19	16.97	17.12	3.30	17.70
		100	0	17.10	16.94	17.01	16.91	1.80	17.70	17.06	17.08	17.00	16.99	3.30	17.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55315	55765	56215	56665	MPR	Tune-up Limit	55315	55765	56215	56665	MPR	Tune-up Limit
				3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz			3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz		
15 MHz	QPSK	1	0	19.16	19.19	18.99	18.80	0.00	19.50	20.66	20.69	20.49	20.30	0.00	21.00
		1	37	19.41	19.19	18.86	18.93	0.00	19.50	20.70	20.69	20.36	20.43	0.00	21.00
		1	74	19.23	19.05	19.14	18.75	0.00	19.50	20.73	20.55	20.64	20.25	0.00	21.00
		36	0	19.39	19.40	18.94	18.93	0.00	19.50	20.70	20.60	20.44	20.43	0.00	21.00
		36	20	19.48	19.42	19.05	18.93	0.00	19.50	20.70	20.60	20.55	20.43	0.00	21.00
		36	39	19.40	19.37	19.11	18.98	0.00	19.50	20.70	20.60	20.61	20.48	0.00	21.00
		75	0	19.39	19.36	18.99	18.86	0.00	19.50	20.70	20.60	20.49	20.36	0.00	21.00
	16QAM	1	0	19.31	19.32	19.04	18.95	0.00	19.50	20.81	20.82	20.54	20.45	0.00	21.00
		1	37	19.43	19.33	19.02	19.06	0.00	19.50	20.93	20.83	20.52	20.56	0.00	21.00
		1	74	19.38	19.19	19.28	18.89	0.00	19.50	20.88	20.69	20.78	20.39	0.00	21.00
		36	0	18.93	18.92	18.62	18.64	0.00	19.50	20.43	20.42	20.12	20.14	0.30	20.70
		36	20	18.98	18.95	18.53	18.51	0.00	19.50	20.48	20.45	20.03	20.01	0.30	20.70
		36	39	18.92	18.88	18.51	18.56	0.00	19.50	20.42	20.38	20.01	20.06	0.30	20.70
		75	0	18.92	18.91	18.65	18.64	0.00	19.50	20.42	20.41	20.15	20.14	0.30	20.70
	64QAM	1	0	19.31	19.32	19.04	18.95	0.00	19.50	20.51	20.52	20.24	20.15	0.30	20.70
		1	37	19.43	19.33	19.02	19.06	0.00	19.50	20.63	20.53	20.22	20.26	0.30	20.70
		1	74	19.38	19.19	19.28	18.89	0.00	19.50	20.58	20.39	20.48	20.09	0.30	20.70
		36	0	18.03	18.02	18.62	18.64	0.80	18.70	19.43	19.42	19.42	19.44	1.30	19.70
		36	20	18.08	18.05	18.53	18.51	0.80	18.70	19.48	19.45	19.63	19.61	1.30	19.70
		36	39	18.02	17.98	18.51	18.56	0.80	18.70	19.42	19.38	19.61	19.66	1.30	19.70
		75	0	18.02	18.01	18.65	18.64	0.80	18.70	19.42	19.41	19.45	19.44	1.30	19.70
	256QAM	1	0	16.91	17.03	17.13	17.15	1.80	17.70	17.17	17.09	17.10	17.02	3.30	17.70
		1	37	17.12	17.05	17.06	17.07	1.80	17.70	17.06	17.05	17.09	16.94	3.30	17.70
		1	74	17.02	17.08	17.19	17.19	1.80	17.70	16.98	17.07	17.11	17.06	3.30	17.70
		36	0	17.14	17.02	16.93	16.97	1.80	17.70	17.14	16.94	17.07	17.18	3.30	17.70
		36	20	16.97	17.06	17.08	16.99	1.80	17.70	17.17	17.03	16.94	16.95	3.30	17.70
		36	39	17.00	17.14	17.18	17.17	1.80	17.70	16.98	17.00	16.99	16.93	3.30	17.70
		75	0	16.96	16.96	16.95	17.09	1.80	17.70	17.08	17.11	16.98	17.01	3.30	17.70

Notes:

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

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LTE Band 48 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55290	55757	56223	56690	MPR	Tune-up Limit	55290	55757	56223	56690	MPR	Tune-up Limit
				3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz			3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz		
10 MHz	QPSK	1	0	18.94	19.06	18.91	18.63	0.00	19.50	20.44	20.56	20.41	20.13	0.00	21.00
		1	25	19.29	19.38	19.21	18.92	0.00	19.50	20.79	20.60	20.71	20.42	0.00	21.00
		1	49	19.16	19.22	19.06	18.77	0.00	19.50	20.66	20.72	20.56	20.27	0.00	21.00
		25	0	19.27	19.38	19.25	18.95	0.00	19.50	20.77	20.88	20.75	20.45	0.00	21.00
		25	12	19.27	19.49	19.37	19.00	0.00	19.50	20.77	20.99	20.87	20.50	0.00	21.00
		25	25	19.40	19.49	19.36	19.01	0.00	19.50	20.90	20.99	20.86	20.51	0.00	21.00
		50	0	19.32	19.44	19.30	19.01	0.00	19.50	20.82	20.94	20.80	20.51	0.00	21.00
	16QAM	1	0	19.17	19.06	18.95	18.83	0.00	19.50	20.67	20.56	20.45	20.33	0.00	21.00
		1	25	19.36	19.38	19.25	19.03	0.00	19.50	20.86	20.88	20.75	20.53	0.00	21.00
		1	49	19.33	19.24	19.09	18.92	0.00	19.50	20.83	20.74	20.59	20.42	0.00	21.00
		25	0	18.86	18.84	18.73	18.58	0.00	19.50	20.36	20.34	20.23	20.08	0.30	20.70
		25	12	18.97	18.96	18.86	18.59	0.00	19.50	20.47	20.46	20.36	20.09	0.30	20.70
		25	25	18.96	18.95	18.85	18.56	0.00	19.50	20.46	20.45	20.35	20.06	0.30	20.70
		50	0	18.94	18.91	18.80	18.55	0.00	19.50	20.44	20.41	20.30	20.05	0.30	20.70
	64QAM	1	0	19.17	19.06	18.95	18.83	0.00	19.50	20.67	20.56	20.45	20.33	0.30	20.70
		1	25	19.36	19.38	19.25	19.03	0.00	19.50	20.56	20.58	20.45	20.23	0.30	20.70
		1	49	19.33	19.24	19.09	18.92	0.00	19.50	20.53	20.44	20.29	20.12	0.30	20.70
		25	0	17.96	17.94	17.83	18.58	0.80	18.70	19.36	19.34	19.23	19.68	1.30	19.70
		25	12	18.07	18.06	17.96	18.59	0.80	18.70	19.47	19.46	19.36	19.69	1.30	19.70
		25	25	18.06	18.05	17.95	18.56	0.80	18.70	19.46	19.45	19.35	19.66	1.30	19.70
		50	0	18.04	18.01	17.90	18.55	0.80	18.70	19.44	19.41	19.30	19.65	1.30	19.70
	256QAM	1	0	16.98	17.07	17.20	17.16	1.80	17.70	17.02	16.98	16.94	17.10	3.30	17.70
		1	25	17.11	16.91	17.17	17.03	1.80	17.70	17.17	16.92	17.13	17.14	3.30	17.70
		1	49	17.13	17.14	17.02	17.04	1.80	17.70	17.06	17.18	17.07	17.02	3.30	17.70
		25	0	17.08	16.95	17.18	17.07	1.80	17.70	16.93	17.08	17.16	17.00	3.30	17.70
		25	12	17.12	17.17	16.92	17.17	1.80	17.70	17.12	17.01	17.01	17.06	3.30	17.70
		25	25	17.04	17.02	17.02	17.17	1.80	17.70	17.09	17.16	17.03	16.93	3.30	17.70
		50	0	16.93	17.13	16.91	17.18	1.80	17.70	17.19	17.04	17.06	16.93	3.30	17.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55265	55748	56232	56715	MPR	Tune-up Limit	55265	55748	56232	56715	MPR	Tune-up Limit
				3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz			3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz		
5 MHz	QPSK	1	0	19.26	19.18	19.14	18.86	0.00	19.50	20.76	20.68	20.64	20.36	0.00	21.00
		1	12	19.46	19.36	19.23	18.99	0.00	19.50	20.96	20.86	20.73	20.49	0.00	21.00
		1	24	19.42	19.29	19.20	18.98	0.00	19.50	20.92	20.79	20.70	20.48	0.00	21.00
		12	0	19.47	19.39	19.26	18.95	0.00	19.50	20.97	20.89	20.76	20.45	0.00	21.00
		12	7	19.33	19.35	19.36	19.06	0.00	19.50	20.83	20.85	20.86	20.56	0.00	21.00
		12	13	19.49	19.50	19.40	19.09	0.00	19.50	20.99	21.00	20.90	20.59	0.00	21.00
		25	0	19.43	19.49	19.35	19.00	0.00	19.50	20.93	20.99	20.85	20.50	0.00	21.00
	16QAM	1	0	19.41	19.20	19.17	19.04	0.00	19.50	20.91	20.70	20.67	20.54	0.00	21.00
		1	12	19.24	19.36	19.34	19.19	0.00	19.50	20.74	20.86	20.84	20.69	0.00	21.00
		1	24	19.18	19.35	19.25	19.11	0.00	19.50	20.68	20.85	20.75	20.61	0.00	21.00
		12	0	18.98	18.90	18.77	18.63	0.00	19.50	20.48	20.40	20.27	20.13	0.30	20.70
		12	7	19.07	19.00	18.80	18.61	0.00	19.50	20.57	20.50	20.30	20.11	0.30	20.70
		12	13	19.06	19.02	18.82	18.65	0.00	19.50	20.56	20.52	20.32	20.15	0.30	20.70
		25	0	19.01	18.96	18.81	18.55	0.00	19.50	20.51	20.46	20.31	20.05	0.30	20.70
	64QAM	1	0	19.41	19.20	19.17	19.04	0.00	19.50	20.61	20.40	20.37	20.24	0.30	20.70
		1	12	19.24	19.36	19.34	19.19	0.00	19.50	20.44	20.56	20.54	20.39	0.30	20.70
		1	24	19.18	19.35	19.25	19.11	0.00	19.50	20.38	20.55	20.45	20.31	0.30	20.70
		12	0	18.08	18.00	17.87	18.63	0.80	18.70	19.48	19.40	19.27	19.43	1.30	19.70
		12	7	18.17	18.10	17.90	18.61	0.80	18.70	19.57	19.50	19.30	19.41	1.30	19.70
		12	13	18.16	18.12	17.92	18.65	0.80	18.70	19.56	19.52	19.32	19.45	1.30	19.70
		25	0	18.11	18.06	17.91	18.55	0.80	18.70	19.51	19.46	19.31	19.65	1.30	19.70
	256QAM	1	0	17.12	17.06	17.16	16.95	1.80	17.70	16.91	17.09	16.97	17.03	3.30	17.70
		1	12	17.13	17.08	17.18	17.17	1.80	17.70	16.96	17.04	17.03	17.16	3.30	17.70
		1	24	17.16	17.01	17.06	16.96	1.80	17.70	16.96	17.03	17.00	17.03	3.30	17.70
		12	0	17.02	17.18	17.16	17.13	1.80	17.70	17.00	17.16	16.99	17.04	3.30	17.70
		12	7	17.10	17.14	17.06	16.98	1.80	17.70	17.15	17.10	17.02	16.94	3.30	17.70
		12	13	17.04	17.06	17.06	17.12	1.80	17.70	16.91	17.00	17.07	17.19	3.30	17.70
		25	0	16.96	16.99	17.08	17.05	1.80	17.70	17.01	17.11	16.96	17.12	3.30	17.70

Notes:

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

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LTE Band 66 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132072	132322	132572	MPR	Tune-up Limit	132072	132322	132572	MPR	Tune-up Limit
				1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	24.95	24.85	25.08	0.00	25.70	16.30	16.20	16.43	0.00	17.00
		1	49	25.20	25.20	25.20	0.00	25.70	16.75	16.75	16.75	0.00	17.00
		1	99	24.86	24.81	25.04	0.00	25.70	16.21	16.16	16.39	0.00	17.00
		50	0	24.20	24.09	24.07	1.00	24.70	16.55	16.44	16.42	0.00	17.00
		50	24	24.28	24.30	24.21	1.00	24.70	16.75	16.75	16.75	0.00	17.00
		50	50	24.15	24.08	24.07	1.00	24.70	16.50	16.43	16.42	0.00	17.00
		100	0	24.20	24.20	24.04	1.00	24.70	16.55	16.75	16.39	0.00	17.00
	16QAM	1	0	24.36	24.30	24.54	1.00	24.70	16.71	16.65	16.89	0.00	17.00
		1	49	24.60	24.55	24.52	1.00	24.70	16.95	16.90	16.87	0.00	17.00
		1	99	24.30	24.26	24.48	1.00	24.70	16.65	16.61	16.83	0.00	17.00
		50	0	23.17	23.10	23.04	2.00	23.70	16.52	16.45	16.39	0.00	17.00
		50	24	23.26	23.19	23.13	2.00	23.70	16.61	16.54	16.48	0.00	17.00
		50	50	23.12	23.07	23.03	2.00	23.70	16.47	16.42	16.38	0.00	17.00
		100	0	23.19	23.13	23.01	2.00	23.70	16.54	16.48	16.36	0.00	17.00
	64QAM	1	0	23.15	23.25	23.29	2.00	23.70	16.50	16.60	16.64	0.00	17.00
		1	49	23.39	23.33	23.32	2.00	23.70	16.74	16.68	16.67	0.00	17.00
		1	99	23.12	23.08	23.27	2.00	23.70	16.47	16.43	16.62	0.00	17.00
		50	0	22.22	22.14	22.09	3.00	22.70	16.57	16.49	16.44	0.00	17.00
		50	24	22.32	22.24	22.19	3.00	22.70	16.67	16.59	16.54	0.00	17.00
		50	50	22.19	22.12	22.09	3.00	22.70	16.54	16.47	16.44	0.00	17.00
		100	0	22.21	22.18	22.02	3.00	22.70	16.56	16.53	16.37	0.00	17.00
	256QAM	1	0	20.07	19.94	20.03	5.00	20.70	16.50	16.44	16.34	0.00	17.00
		1	49	20.15	20.00	19.98	5.00	20.70	16.49	16.55	16.31	0.00	17.00
		1	99	20.16	20.20	20.13	5.00	20.70	16.50	16.53	16.32	0.00	17.00
		50	0	20.19	19.94	20.13	5.00	20.70	16.42	16.46	16.53	0.00	17.00
		50	24	20.06	20.05	20.17	5.00	20.70	16.31	16.36	16.32	0.00	17.00
		50	50	20.09	20.00	19.92	5.00	20.70	16.31	16.33	16.51	0.00	17.00
		100	0	19.97	19.96	20.16	5.00	20.70	16.51	16.54	16.44	0.00	17.00
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132047.00	132322.00	132597.00	MPR	Tune-up Limit	132047.00	132322.00	132597.00	MPR	Tune-up Limit
				1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	25.13	25.07	25.15	0.00	25.70	16.43	16.37	16.45	0.00	17.00
		1	37	25.16	25.14	25.13	0.00	25.70	16.46	16.44	16.43	0.00	17.00
		1	74	25.00	24.96	25.06	0.00	25.70	16.30	16.26	16.36	0.00	17.00
		36	0	24.24	24.15	24.14	1.00	24.70	16.54	16.45	16.44	0.00	17.00
		36	20	24.28	24.23	24.12	1.00	24.70	16.58	16.53	16.42	0.00	17.00
		36	39	24.22	24.17	24.14	1.00	24.70	16.52	16.47	16.44	0.00	17.00
		75	0	24.23	24.17	24.04	1.00	24.70	16.53	16.47	16.34	0.00	17.00
	16QAM	1	0	24.57	24.59	24.57	1.00	24.70	16.87	16.89	16.87	0.00	17.00
		1	37	24.60	24.59	24.65	1.00	24.70	16.90	16.89	16.95	0.00	17.00
		1	74	24.48	24.36	24.57	1.00	24.70	16.78	16.66	16.87	0.00	17.00
		36	0	23.20	23.10	23.10	2.00	23.70	16.50	16.40	16.40	0.00	17.00
		36	20	23.27	23.20	23.09	2.00	23.70	16.57	16.50	16.39	0.00	17.00
		36	39	23.19	23.09	23.11	2.00	23.70	16.49	16.39	16.41	0.00	17.00
		75	0	23.22	23.15	23.06	2.00	23.70	16.52	16.45	16.36	0.00	17.00
	64QAM	1	0	23.65	23.58	23.68	2.00	23.70	16.95	16.88	16.98	0.00	17.00
		1	37	23.68	23.69	23.68	2.00	23.70	16.98	16.99	16.98	0.00	17.00
		1	74	23.59	23.55	23.67	2.00	23.70	16.89	16.85	16.97	0.00	17.00
		36	0	22.22	22.16	22.11	3.00	22.70	16.52	16.46	16.41	0.00	17.00
		36	20	22.28	22.21	22.14	3.00	22.70	16.58	16.51	16.44	0.00	17.00
		36	39	22.21	22.15	22.13	3.00	22.70	16.51	16.45	16.43	0.00	17.00
		75	0	22.27	22.22	22.11	3.00	22.70	16.57	16.52	16.41	0.00	17.00
	256QAM	1	0	20.11	20.11	20.13	5.00	20.70	16.60	16.36	16.31	0.00	17.00
		1	37	20.14	20.03	20.13	5.00	20.70	16.52	16.49	16.45	0.00	17.00
		1	74	20.02	20.00	20.20	5.00	20.70	16.52	16.49	16.35	0.00	17.00
		36	0	19.95	20.14	20.04	5.00	20.70	16.48	16.47	16.45	0.00	17.00
		36	20	19.91	20.14	19.97	5.00	20.70	16.57	16.37	16.38	0.00	17.00
		36	39	20.11	19.95	20.03	5.00	20.70	16.47	16.51	16.51	0.00	17.00
		75	0	20.18	20.15	20.14	5.00	20.70	16.30	16.58	16.34	0.00	17.00

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LTE Band 66 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				132022.00	132322.00	132622.00			132022.00	132322.00	132622.00		
				1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	24.88	24.79	24.78	0.00	25.70	16.18	16.09	16.08	0.00	17.00
		1	25	25.15	25.11	25.08	0.00	25.70	16.45	16.41	16.38	0.00	17.00
		1	49	24.90	24.82	24.83	0.00	25.70	16.20	16.12	16.13	0.00	17.00
		25	0	24.16	24.08	24.09	1.00	24.70	16.46	16.38	16.39	0.00	17.00
		25	12	24.31	24.22	24.15	1.00	24.70	16.61	16.52	16.45	0.00	17.00
		25	25	24.17	24.12	24.11	1.00	24.70	16.47	16.42	16.41	0.00	17.00
		50	0	24.21	24.17	24.06	1.00	24.70	16.51	16.47	16.36	0.00	17.00
	16QAM	1	0	24.02	23.93	23.98	1.00	24.70	16.32	16.23	16.28	0.00	17.00
		1	25	24.23	24.15	24.15	1.00	24.70	16.53	16.45	16.45	0.00	17.00
		1	49	24.01	23.95	23.93	1.00	24.70	16.31	16.25	16.23	0.00	17.00
		25	0	23.26	23.18	23.17	2.00	23.70	16.56	16.48	16.47	0.00	17.00
		25	12	23.38	23.29	23.23	2.00	23.70	16.68	16.59	16.53	0.00	17.00
		25	25	23.27	23.20	23.21	2.00	23.70	16.57	16.50	16.51	0.00	17.00
		50	0	23.24	23.16	23.08	2.00	23.70	16.54	16.46	16.38	0.00	17.00
	64QAM	1	0	23.11	23.01	22.98	2.00	23.70	16.41	16.31	16.28	0.00	17.00
		1	25	23.44	23.35	23.33	2.00	23.70	16.74	16.65	16.63	0.00	17.00
		1	49	23.16	23.12	23.08	2.00	23.70	16.46	16.42	16.38	0.00	17.00
		25	0	22.24	22.16	22.14	3.00	22.70	16.54	16.46	16.44	0.00	17.00
		25	12	22.33	22.33	22.20	3.00	22.70	16.63	16.63	16.50	0.00	17.00
		25	25	22.28	22.23	22.21	3.00	22.70	16.58	16.53	16.51	0.00	17.00
		50	0	22.22	22.14	22.08	3.00	22.70	16.52	16.44	16.38	0.00	17.00
	256QAM	1	0	19.98	20.03	19.99	5.00	20.70	16.41	16.45	16.47	0.00	17.00
		1	25	19.91	20.11	20.15	5.00	20.70	16.46	16.38	16.55	0.00	17.00
		1	49	19.92	20.05	20.00	5.00	20.70	16.46	16.45	16.54	0.00	17.00
		25	0	20.08	19.94	20.03	5.00	20.70	16.32	16.57	16.37	0.00	17.00
		25	12	19.98	20.17	20.19	5.00	20.70	16.48	16.39	16.36	0.00	17.00
		25	25	20.19	19.99	20.06	5.00	20.70	16.39	16.51	16.43	0.00	17.00
		50	0	19.93	20.10	20.15	5.00	20.70	16.37	16.34	16.42	0.00	17.00

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131997.00	132322.00	132647.00			131997.00	132322.00	132647.00		
				1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	25.23	25.18	25.19	0.00	25.70	16.53	16.48	16.49	0.00	17.00
		1	12	25.23	25.21	25.19	0.00	25.70	16.53	16.51	16.49	0.00	17.00
		1	24	25.18	25.15	25.12	0.00	25.70	16.48	16.45	16.42	0.00	17.00
		12	0	24.34	24.24	24.24	1.00	24.70	16.64	16.54	16.54	0.00	17.00
		12	7	24.34	24.26	24.24	1.00	24.70	16.64	16.56	16.54	0.00	17.00
		12	13	24.26	24.15	24.14	1.00	24.70	16.56	16.45	16.44	0.00	17.00
		25	0	24.28	24.22	24.17	1.00	24.70	16.58	16.52	16.47	0.00	17.00
	16QAM	1	0	24.37	24.34	24.34	1.00	24.70	16.67	16.64	16.64	0.00	17.00
		1	12	24.43	24.33	24.33	1.00	24.70	16.73	16.63	16.63	0.00	17.00
		1	24	24.34	24.29	24.25	1.00	24.70	16.64	16.59	16.55	0.00	17.00
		12	0	23.37	23.28	23.28	2.00	23.70	16.67	16.58	16.58	0.00	17.00
		12	7	23.38	23.30	23.27	2.00	23.70	16.68	16.60	16.57	0.00	17.00
		12	13	23.28	23.23	23.20	2.00	23.70	16.58	16.53	16.50	0.00	17.00
		25	0	23.20	23.15	23.11	2.00	23.70	16.50	16.45	16.41	0.00	17.00
	64QAM	1	0	23.51	23.44	23.49	2.00	23.70	16.81	16.74	16.79	0.00	17.00
		1	12	23.58	23.51	23.46	2.00	23.70	16.88	16.81	16.76	0.00	17.00
		1	24	23.48	23.42	23.39	2.00	23.70	16.78	16.72	16.69	0.00	17.00
		12	0	22.38	22.33	22.29	3.00	22.70	16.68	16.63	16.59	0.00	17.00
		12	7	22.35	22.34	22.30	3.00	22.70	16.65	16.64	16.60	0.00	17.00
		12	13	22.27	22.28	22.26	3.00	22.70	16.57	16.58	16.56	0.00	17.00
		25	0	22.28	22.21	22.22	3.00	22.70	16.58	16.51	16.52	0.00	17.00
	256QAM	1	0	20.00	20.15	20.08	5.00	20.70	16.51	16.52	16.31	0.00	17.00
		1	12	20.16	20.06	20.15	5.00	20.70	16.38	16.33	16.51	0.00	17.00
		1	24	19.91	20.03	19.93	5.00	20.70	16.37	16.36	16.54	0.00	17.00
		12	0	20.09	19.95	19.92	5.00	20.70	16.47	16.56	16.37	0.00	17.00
		12	7	20.19	20.19	20.07	5.00	20.70	16.47	16.47	16.44	0.00	17.00
		12	13	20.19	20.12	19.91	5.00	20.70	16.60	16.30	16.57	0.00	17.00
		25	0	20.03	19.98	20.19	5.00	20.70	16.48	16.42	16.32	0.00	17.00

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LTE Band 66 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131987.00	132322.00	132657.00			131987.00	132322.00	132657.00		
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	25.20	25.12	25.17	0.00	25.70	16.50	16.42	16.47	0.00	17.00
		1	8	25.15	25.09	25.06	0.00	25.70	16.45	16.39	16.36	0.00	17.00
		1	14	25.13	25.06	25.03	0.00	25.70	16.43	16.36	16.33	0.00	17.00
		8	0	24.34	24.27	24.19	1.00	24.70	16.64	16.57	16.49	0.00	17.00
		8	4	24.29	24.28	24.22	1.00	24.70	16.59	16.58	16.52	0.00	17.00
		8	7	24.31	24.23	24.20	1.00	24.70	16.61	16.53	16.50	0.00	17.00
		15	0	24.25	24.19	24.18	1.00	24.70	16.55	16.49	16.48	0.00	17.00
	16QAM	1	0	24.35	24.26	24.25	1.00	24.70	16.65	16.56	16.55	0.00	17.00
		1	8	24.27	24.19	24.15	1.00	24.70	16.57	16.49	16.45	0.00	17.00
		1	14	24.23	24.18	24.12	1.00	24.70	16.53	16.48	16.42	0.00	17.00
		8	0	23.37	23.28	23.23	2.00	23.70	16.67	16.58	16.53	0.00	17.00
		8	4	23.34	23.26	23.26	2.00	23.70	16.64	16.56	16.56	0.00	17.00
		8	7	23.30	23.27	23.25	2.00	23.70	16.60	16.57	16.55	0.00	17.00
		15	0	23.23	23.16	23.17	2.00	23.70	16.53	16.46	16.47	0.00	17.00
	64QAM	1	0	23.49	23.42	23.46	2.00	23.70	16.79	16.72	16.76	0.00	17.00
		1	8	23.63	23.48	23.41	2.00	23.70	16.93	16.78	16.71	0.00	17.00
		1	14	23.42	23.35	23.32	2.00	23.70	16.72	16.65	16.62	0.00	17.00
		8	0	22.25	22.23	22.20	3.00	22.70	16.55	16.53	16.50	0.00	17.00
		8	4	22.29	22.22	22.21	3.00	22.70	16.59	16.52	16.51	0.00	17.00
		8	7	22.25	22.19	22.20	3.00	22.70	16.55	16.49	16.50	0.00	17.00
		15	0	22.32	22.26	22.24	3.00	22.70	16.62	16.56	16.54	0.00	17.00
	256QAM	1	0	20.05	20.16	20.00	5.00	20.70	16.50	16.49	16.33	0.00	17.00
		1	8	20.07	20.02	20.18	5.00	20.70	16.40	16.59	16.32	0.00	17.00
		1	14	19.95	20.14	20.14	5.00	20.70	16.35	16.54	16.55	0.00	17.00
		8	0	20.15	20.01	20.01	5.00	20.70	16.56	16.42	16.34	0.00	17.00
		8	4	20.03	20.02	20.16	5.00	20.70	16.48	16.58	16.33	0.00	17.00
		8	7	20.00	20.14	20.05	5.00	20.70	16.47	16.55	16.53	0.00	17.00
		15	0	20.12	20.15	19.99	5.00	20.70	16.52	16.34	16.55	0.00	17.00

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131979.00	132322.00	132665.00			131979.00	132322.00	132665.00		
				1710.7 MHz	1745 MHz	1779.3 MHz			1710.7 MHz	1745 MHz	1779.3 MHz		
1.4 MHz	QPSK	1	0	25.20	25.02	25.01	0.00	25.70	16.50	16.32	16.31	0.00	17.00
		1	3	25.24	25.13	25.09	0.00	25.70	16.54	16.43	16.39	0.00	17.00
		1	5	25.15	24.99	24.99	0.00	25.70	16.45	16.29	16.29	0.00	17.00
		3	0	25.12	25.01	25.01	0.00	25.70	16.42	16.31	16.31	0.00	17.00
		3	1	25.18	25.06	25.07	0.00	25.70	16.48	16.36	16.37	0.00	17.00
		3	3	25.17	25.06	25.04	0.00	25.70	16.47	16.36	16.34	0.00	17.00
		6	0	24.22	24.10	24.08	1.00	24.70	16.52	16.40	16.38	0.00	17.00
	16QAM	1	0	24.35	24.21	24.15	1.00	24.70	16.65	16.51	16.45	0.00	17.00
		1	3	24.39	24.25	24.21	1.00	24.70	16.69	16.55	16.51	0.00	17.00
		1	5	24.30	24.16	24.13	1.00	24.70	16.60	16.46	16.43	0.00	17.00
		3	0	24.26	24.31	24.28	1.00	24.70	16.56	16.61	16.58	0.00	17.00
		3	1	24.31	24.36	24.33	1.00	24.70	16.61	16.66	16.63	0.00	17.00
		3	3	24.32	24.34	24.31	1.00	24.70	16.62	16.64	16.61	0.00	17.00
		6	0	23.37	23.32	23.28	2.00	23.70	16.67	16.62	16.58	0.00	17.00
	64QAM	1	0	23.60	23.25	23.22	2.00	23.70	16.90	16.55	16.52	0.00	17.00
		1	3	23.64	23.34	23.29	2.00	23.70	16.94	16.64	16.59	0.00	17.00
		1	5	23.54	23.19	23.19	2.00	23.70	16.84	16.49	16.49	0.00	17.00
		3	0	23.52	23.26	23.27	2.00	23.70	16.82	16.56	16.57	0.00	17.00
		3	1	23.57	23.30	23.28	2.00	23.70	16.87	16.60	16.58	0.00	17.00
		3	3	23.57	23.28	23.26	2.00	23.70	16.87	16.58	16.56	0.00	17.00
		6	0	22.17	22.42	22.43	3.00	22.70	16.47	16.72	16.73	0.00	17.00
	256QAM	1	0	20.00	19.93	20.17	5.00	20.70	16.58	16.49	16.51	0.00	17.00
		1	3	20.06	20.11	20.16	5.00	20.70	16.31	16.32	16.50	0.00	17.00
		1	5	20.04	19.92	20.19	5.00	20.70	16.46	16.45	16.56	0.00	17.00
		3	0	19.96	19.95	20.15	5.00	20.70	16.41	16.33	16.48	0.00	17.00
		3	1	20.19	20.14	20.05	5.00	20.70	16.46	16.32	16.38	0.00	17.00
		3	3	20.10	19.91	20.11	5.00	20.70	16.48	16.51	16.47	0.00	17.00
		6	0	19.93	20.14	19.98	5.00	20.70	16.50	16.36	16.46	0.00	17.00

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LTE Band 66 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132072	132322	132572	MPR	Tune-up Limit	132072	132322	132572	MPR	Tune-up Limit
				1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	17.79	17.67	17.89	0.00	18.50	16.29	16.25	16.39	0.00	17.25
		1	49	18.50	18.25	18.25	0.00	18.50	17.00	16.60	16.60	0.00	17.25
		1	99	17.68	17.61	17.77	0.00	18.50	16.25	16.25	16.27	0.00	17.25
		50	0	18.03	17.89	17.83	0.00	18.50	16.53	16.39	16.33	0.00	17.25
		50	24	18.50	18.25	18.25	0.00	18.50	17.00	16.60	16.60	0.00	17.25
		50	50	17.98	17.87	17.83	0.00	18.50	16.48	16.37	16.33	0.00	17.25
		100	0	18.02	18.50	17.79	0.00	18.50	16.52	16.60	16.29	0.00	17.25
	16QAM	1	0	18.23	18.10	18.33	0.00	18.50	16.48	16.35	16.58	0.00	17.25
		1	49	18.41	18.37	18.30	0.00	18.50	16.41	16.37	16.30	0.00	17.25
		1	99	18.13	18.05	18.23	0.00	18.50	16.38	16.30	16.48	0.00	17.25
		50	0	18.01	17.92	17.83	0.00	18.50	16.51	16.42	16.33	0.00	17.25
		50	24	18.10	18.02	17.88	0.00	18.50	16.60	16.52	16.38	0.00	17.25
		50	50	17.97	17.89	17.85	0.00	18.50	16.47	16.39	16.35	0.00	17.25
		100	0	18.04	17.95	17.82	0.00	18.50	16.54	16.45	16.32	0.00	17.25
	64QAM	1	0	18.03	17.89	18.15	0.00	18.50	16.53	16.39	16.65	0.00	17.25
		1	49	18.19	18.17	18.15	0.00	18.50	16.44	16.42	16.40	0.00	17.25
		1	99	17.99	17.91	18.09	0.00	18.50	16.49	16.41	16.59	0.00	17.25
		50	0	18.10	17.98	17.93	0.00	18.50	16.60	16.48	16.43	0.00	17.25
		50	24	18.19	18.09	17.96	0.00	18.50	16.60	16.59	16.46	0.00	17.25
		50	50	18.05	17.96	17.94	0.00	18.50	16.55	16.46	16.44	0.00	17.25
		100	0	18.09	18.00	17.88	0.00	18.50	16.59	16.50	16.38	0.00	17.25
	256QAM	1	0	17.96	17.91	17.92	0.40	18.10	16.77	16.61	16.76	0.00	17.25
		1	49	18.01	18.02	17.94	0.40	18.10	16.55	16.79	16.65	0.00	17.25
		1	99	18.09	18.07	18.09	0.40	18.10	16.67	16.80	16.64	0.00	17.25
		50	0	17.92	17.84	18.05	0.40	18.10	16.55	16.55	16.54	0.00	17.25
		50	24	17.83	17.91	18.05	0.40	18.10	16.63	16.52	16.66	0.00	17.25
		50	50	17.81	17.87	18.02	0.40	18.10	16.63	16.80	16.59	0.00	17.25
		100	0	17.90	17.87	17.98	0.40	18.10	16.72	16.66	16.71	0.00	17.25

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132047	132322	132597	MPR	Tune-up Limit	132047	132322	132597	MPR	Tune-up Limit
				1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	17.99	17.86	17.92	0.00	18.50	16.49	16.36	16.42	0.00	17.25
		1	37	18.02	17.95	17.88	0.00	18.50	16.52	16.45	16.38	0.00	17.25
		1	74	17.82	17.75	17.84	0.00	18.50	16.32	16.25	16.34	0.00	17.25
		36	0	18.05	17.93	17.89	0.00	18.50	16.55	16.43	16.39	0.00	17.25
		36	20	18.10	18.01	17.97	0.00	18.50	16.60	16.51	16.47	0.00	17.25
		36	39	18.02	17.92	17.90	0.00	18.50	16.52	16.42	16.40	0.00	17.25
		75	0	18.04	17.93	17.82	0.00	18.50	16.54	16.43	16.32	0.00	17.25
	16QAM	1	0	18.40	18.35	18.31	0.00	18.50	16.65	16.60	16.56	0.00	17.25
		1	37	18.46	18.38	18.26	0.00	18.50	16.71	16.63	16.51	0.00	17.25
		1	74	18.28	18.19	18.31	0.00	18.50	16.53	16.44	16.56	0.00	17.25
		36	0	18.05	17.94	17.88	0.00	18.50	16.55	16.44	16.38	0.00	17.25
		36	20	18.12	18.00	17.97	0.00	18.50	16.62	16.50	16.47	0.00	17.25
		36	39	18.04	17.94	17.91	0.00	18.50	16.54	16.44	16.41	0.00	17.25
		75	0	18.07	17.98	17.90	0.00	18.50	16.57	16.48	16.40	0.00	17.25
	64QAM	1	0	18.50	18.46	18.48	0.00	18.50	16.75	16.71	16.73	0.00	17.25
		1	37	18.43	18.36	18.31	0.00	18.50	16.68	16.61	16.56	0.00	17.25
		1	74	18.49	18.37	18.46	0.00	18.50	16.74	16.62	16.71	0.00	17.25
		36	0	18.10	17.98	17.93	0.00	18.50	16.60	16.48	16.43	0.00	17.25
		36	20	18.17	18.03	17.99	0.00	18.50	16.60	16.53	16.49	0.00	17.25
		36	39	18.08	17.99	17.94	0.00	18.50	16.58	16.49	16.44	0.00	17.25
		75	0	18.13	18.03	17.92	0.00	18.50	16.60	16.53	16.42	0.00	17.25
	256QAM	1	0	17.89	18.04	17.81	0.40	18.10	16.50	16.77	16.77	0.00	17.25
		1	37	18.02	17.93	18.00	0.40	18.10	16.66	16.65	16.55	0.00	17.25
		1	74	17.86	17.86	18.05	0.40	18.10	16.62	16.71	16.56	0.00	17.25
		36	0	17.82	17.83	18.03	0.40	18.10	16.58	16.52	16.79	0.00	17.25
		36	20	17.93	17.80	17.80	0.40	18.10	16.62	16.69	16.54	0.00	17.25
		36	39	18.10	18.00	17.95	0.40	18.10	16.51	16.56	16.76	0.00	17.25
		75	0	17.92	17.91	17.86	0.40	18.10	16.59	16.74	16.79	0.00	17.25

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LTE Band 66 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				132022	132322	132622			132022	132322	132622		
				1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	17.74	17.61	17.57	0.00	18.50	16.25	16.25	16.25	0.00	17.25
		1	25	18.01	17.88	17.88	0.00	18.50	16.51	16.38	16.38	0.00	17.25
		1	49	17.71	17.63	17.61	0.00	18.50	16.25	16.25	16.25	0.00	17.25
		25	0	18.03	17.90	17.89	0.00	18.50	16.53	16.40	16.39	0.00	17.25
		25	12	18.14	18.02	17.93	0.00	18.50	16.64	16.52	16.43	0.00	17.25
		25	25	18.02	17.91	17.92	0.00	18.50	16.52	16.41	16.42	0.00	17.25
		50	0	18.03	17.94	17.85	0.00	18.50	16.53	16.44	16.35	0.00	17.25
	16QAM	1	0	17.89	17.75	17.71	0.00	18.50	16.39	16.25	16.25	0.00	17.25
		1	25	18.09	17.98	17.96	0.00	18.50	16.59	16.48	16.46	0.00	17.25
		1	49	17.86	17.76	17.72	0.00	18.50	16.36	16.26	16.25	0.00	17.25
		25	0	18.13	18.01	17.99	0.00	18.50	16.38	16.51	16.49	0.00	17.25
		25	12	18.25	18.14	18.05	0.00	18.50	16.50	16.39	16.30	0.00	17.25
		25	25	18.13	18.05	18.01	0.00	18.50	16.38	16.30	16.26	0.00	17.25
		50	0	18.12	17.99	17.87	0.00	18.50	16.37	16.49	16.37	0.00	17.25
	64QAM	1	0	18.13	17.89	17.86	0.00	18.50	16.38	16.39	16.36	0.00	17.25
		1	25	18.33	18.29	18.21	0.00	18.50	16.58	16.54	16.46	0.00	17.25
		1	49	18.06	18.05	17.97	0.00	18.50	16.56	16.30	16.25	0.00	17.25
		25	0	18.11	18.01	17.95	0.00	18.50	16.36	16.26	16.25	0.00	17.25
		25	12	18.24	18.14	18.02	0.00	18.50	16.49	16.39	16.27	0.00	17.25
		25	25	18.16	18.07	18.02	0.00	18.50	16.41	16.32	16.27	0.00	17.25
		50	0	18.08	17.99	17.85	0.00	18.50	16.33	16.25	16.25	0.00	17.25
	256QAM	1	0	17.85	18.06	17.92	0.40	18.10	16.74	16.74	16.61	0.00	17.25
		1	25	18.01	17.99	17.89	0.40	18.10	16.55	16.54	16.69	0.00	17.25
		1	49	17.83	18.07	18.08	0.40	18.10	16.70	16.76	16.75	0.00	17.25
		25	0	17.91	18.07	17.87	0.40	18.10	16.51	16.74	16.60	0.00	17.25
		25	12	17.87	17.80	17.81	0.40	18.10	16.61	16.69	16.51	0.00	17.25
		25	25	17.97	17.81	17.83	0.40	18.10	16.75	16.55	16.73	0.00	17.25
		50	0	17.91	18.00	17.94	0.40	18.10	16.75	16.57	16.57	0.00	17.25

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131997	132322	132647			131997	132322	132647		
				1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	18.08	17.93	17.99	0.00	18.50	16.33	16.25	16.25	0.00	17.25
		1	12	18.11	17.94	17.96	0.00	18.50	16.36	16.25	16.25	0.00	17.25
		1	24	18.02	17.91	17.88	0.00	18.50	16.27	16.25	16.25	0.00	17.25
		12	0	18.12	18.08	18.01	0.00	18.50	16.37	16.33	16.26	0.00	17.25
		12	7	18.16	18.08	18.02	0.00	18.50	16.41	16.33	16.27	0.00	17.25
		12	13	18.11	17.97	17.98	0.00	18.50	16.36	16.25	16.25	0.00	17.25
		25	0	18.12	18.00	18.02	0.00	18.50	16.37	16.25	16.27	0.00	17.25
	16QAM	1	0	18.22	18.13	18.14	0.00	18.50	16.47	16.38	16.39	0.00	17.25
		1	12	18.21	18.10	18.10	0.00	18.50	16.46	16.35	16.35	0.00	17.25
		1	24	18.17	18.09	18.06	0.00	18.50	16.42	16.34	16.31	0.00	17.25
		12	0	18.19	18.15	18.10	0.00	18.50	16.44	16.40	16.35	0.00	17.25
		12	7	18.27	18.12	18.07	0.00	18.50	16.52	16.37	16.32	0.00	17.25
		12	13	18.17	18.06	18.03	0.00	18.50	16.42	16.31	16.28	0.00	17.25
		25	0	18.13	17.99	17.95	0.00	18.50	16.38	16.25	16.25	0.00	17.25
	64QAM	1	0	18.39	18.30	18.29	0.00	18.50	16.64	16.55	16.54	0.00	17.25
		1	12	18.41	18.31	18.26	0.00	18.50	16.66	16.56	16.51	0.00	17.25
		1	24	18.37	18.26	18.16	0.00	18.50	16.62	16.51	16.41	0.00	17.25
		12	0	18.22	18.14	18.12	0.00	18.50	16.47	16.39	16.37	0.00	17.25
		12	7	18.26	18.13	18.09	0.00	18.50	16.51	16.38	16.34	0.00	17.25
		12	13	18.19	18.09	18.08	0.00	18.50	16.44	16.34	16.33	0.00	17.25
		25	0	18.19	18.09	18.01	0.00	18.50	16.44	16.34	16.26	0.00	17.25
	256QAM	1	0	18.04	17.86	17.99	0.40	18.10	16.69	16.58	16.78	0.00	17.25
		1	12	18.06	18.05	17.92	0.40	18.10	16.55	16.72	16.76	0.00	17.25
		1	24	17.86	17.90	17.92	0.40	18.10	16.57	16.74	16.56	0.00	17.25
		12	0	17.88	18.09	18.04	0.40	18.10	16.57	16.52	16.59	0.00	17.25
		12	7	17.96	17.87	17.89	0.40	18.10	16.55	16.68	16.71	0.00	17.25
		12	13	17.84	17.91	18.09	0.40	18.10	16.67	16.58	16.55	0.00	17.25
		25	0	17.85	17.82	18.02	0.40	18.10	16.57	16.51	16.67	0.00	17.25

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LTE Band 66 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131987	132322	132657			131987	132322	132657		
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	18.06	17.93	17.95	0.00	18.50	16.31	16.43	16.45	0.00	17.25
		1	8	17.99	17.86	17.86	0.00	18.50	16.25	16.36	16.36	0.00	17.25
		1	14	17.97	17.86	17.83	0.00	18.50	16.25	16.36	16.33	0.00	17.25
		8	0	18.17	18.04	18.01	0.00	18.50	16.42	16.54	16.51	0.00	17.25
		8	4	18.15	18.03	17.98	0.00	18.50	16.40	16.53	16.48	0.00	17.25
		8	7	18.15	17.99	17.98	0.00	18.50	16.40	16.49	16.48	0.00	17.25
		15	0	18.12	18.03	17.97	0.00	18.50	16.37	16.53	16.47	0.00	17.25
	16QAM	1	0	18.18	18.09	18.09	0.00	18.50	16.43	16.59	16.59	0.00	17.25
		1	8	18.09	17.98	17.99	0.00	18.50	16.34	16.48	16.49	0.00	17.25
		1	14	18.09	17.97	17.97	0.00	18.50	16.34	16.47	16.47	0.00	17.25
		8	0	18.23	18.11	18.06	0.00	18.50	16.48	16.36	16.56	0.00	17.25
		8	4	18.23	18.09	18.05	0.00	18.50	16.48	16.59	16.55	0.00	17.25
		8	7	18.20	18.13	18.03	0.00	18.50	16.45	16.63	16.53	0.00	17.25
		15	0	18.10	17.97	17.96	0.00	18.50	16.35	16.47	16.46	0.00	17.25
	64QAM	1	0	18.36	18.29	18.32	0.00	18.50	16.36	16.54	16.57	0.00	17.25
		1	8	18.31	18.20	18.21	0.00	18.50	16.31	16.45	16.46	0.00	17.25
		1	14	18.31	18.21	18.11	0.00	18.50	16.31	16.46	16.36	0.00	17.25
		8	0	18.16	18.03	17.99	0.00	18.50	16.41	16.53	16.49	0.00	17.25
		8	4	18.15	18.05	18.02	0.00	18.50	16.40	16.55	16.52	0.00	17.25
		8	7	18.14	18.03	17.98	0.00	18.50	16.39	16.53	16.48	0.00	17.25
		15	0	18.21	18.11	18.08	0.00	18.50	16.46	16.61	16.58	0.00	17.25
	256QAM	1	0	17.85	17.89	17.87	0.40	18.10	16.75	16.56	16.65	0.00	17.25
		1	8	17.81	18.08	17.87	0.40	18.10	16.60	16.53	16.67	0.00	17.25
		1	14	18.01	17.96	18.02	0.40	18.10	16.79	16.57	16.66	0.00	17.25
		8	0	17.98	18.07	17.98	0.40	18.10	16.78	16.58	16.54	0.00	17.25
		8	4	18.06	17.88	17.82	0.40	18.10	16.75	16.70	16.74	0.00	17.25
		8	7	18.01	17.90	17.93	0.40	18.10	16.56	16.58	16.73	0.00	17.25
		15	0	18.02	17.97	17.98	0.40	18.10	16.79	16.50	16.69	0.00	17.25

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131979	132322	132665			131979	132322	132665		
				1710.7 MHz	1745 MHz	1779.3 MHz			1710.7 MHz	1745 MHz	1779.3 MHz		
1.4 MHz	QPSK	1	0	18.06	17.87	17.84	0.00	18.50	16.31	16.37	16.34	0.00	17.25
		1	3	18.09	17.93	17.89	0.00	18.50	16.34	16.43	16.39	0.00	17.25
		1	5	18.01	17.80	17.80	0.00	18.50	16.26	16.30	16.30	0.00	17.25
		3	0	17.97	17.85	17.80	0.00	18.50	16.25	16.35	16.30	0.00	17.25
		3	1	17.99	17.89	17.84	0.00	18.50	16.25	16.39	16.34	0.00	17.25
		3	3	17.98	17.93	17.84	0.00	18.50	16.25	16.43	16.34	0.00	17.25
		6	0	18.08	17.94	17.90	0.00	18.50	16.33	16.44	16.40	0.00	17.25
	16QAM	1	0	18.19	17.97	17.94	0.00	18.50	16.44	16.47	16.44	0.00	17.25
		1	3	18.30	17.99	17.98	0.00	18.50	16.55	16.49	16.48	0.00	17.25
		1	5	18.15	17.94	17.93	0.00	18.50	16.40	16.44	16.43	0.00	17.25
		3	0	18.11	18.14	18.06	0.00	18.50	16.36	16.64	16.56	0.00	17.25
		3	1	18.14	18.17	18.12	0.00	18.50	16.39	16.67	16.62	0.00	17.25
		3	3	18.15	18.18	18.12	0.00	18.50	16.40	16.68	16.62	0.00	17.25
		6	0	18.17	18.11	18.05	0.00	18.50	16.42	16.61	16.55	0.00	17.25
	64QAM	1	0	18.21	18.09	18.09	0.00	18.50	16.46	16.59	16.59	0.00	17.25
		1	3	18.28	18.13	18.12	0.00	18.50	16.53	16.63	16.62	0.00	17.25
		1	5	18.12	18.03	17.95	0.00	18.50	16.37	16.53	16.45	0.00	17.25
		3	0	18.21	18.10	18.05	0.00	18.50	16.46	16.60	16.55	0.00	17.25
		3	1	18.26	18.20	18.09	0.00	18.50	16.51	16.70	16.59	0.00	17.25
		3	3	18.24	18.14	18.09	0.00	18.50	16.49	16.64	16.59	0.00	17.25
		6	0	18.37	18.26	18.22	0.00	18.50	16.62	16.76	16.72	0.00	17.25
	256QAM	1	0	17.94	17.98	18.04	0.40	18.10	16.79	16.51	16.51	0.00	17.25
		1	3	17.97	18.03	17.90	0.40	18.10	16.80	16.77	16.50	0.00	17.25
		1	5	17.95	18.09	18.06	0.40	18.10	16.67	16.71	16.76	0.00	17.25
		3	0	18.05	18.00	17.93	0.40	18.10	16.64	16.55	16.60	0.00	17.25
		3	1	18.04	17.94	17.98	0.40	18.10	16.69	16.75	16.67	0.00	17.25
		3	3	17.81	17.85	17.96	0.40	18.10	16.73	16.51	16.67	0.00	17.25
		6	0	17.95	17.91	17.85	0.40	18.10	16.74	16.65	16.51	0.00	17.25

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LTE Band 66 Measured Results (ANT3)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132072	132322	132572	MPR	Tune-up Limit	132072	132322	132572	MPR	Tune-up Limit
				1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	23.98	23.92	24.14	0.00	24.70	20.46	20.38	20.60	0.00	21.25
		1	49	24.30	24.30	24.30	0.00	24.70	21.00	21.00	21.00	0.00	21.25
		1	99	23.95	23.88	24.03	0.00	24.70	20.39	20.33	20.46	0.00	21.25
		50	0	23.25	23.17	23.09	1.00	23.70	20.71	20.62	20.55	0.00	21.25
		50	24	23.40	23.40	23.40	1.00	23.70	21.00	21.00	21.00	0.00	21.25
		50	50	23.20	23.14	23.11	1.00	23.70	20.67	20.61	20.55	0.00	21.25
		100	0	23.27	23.20	23.07	1.00	23.70	20.72	21.00	20.51	0.00	21.25
	16QAM	1	0	23.44	23.38	23.58	1.00	23.70	20.90	20.84	21.00	0.00	21.25
		1	49	23.67	23.60	23.55	1.00	23.70	21.00	21.00	21.00	0.00	21.25
		1	99	23.36	23.33	23.49	1.00	23.70	20.83	20.77	20.94	0.00	21.25
		50	0	22.21	22.12	22.08	2.00	22.70	20.69	20.63	20.53	0.00	21.25
		50	24	22.29	22.22	22.10	2.00	22.70	20.79	20.72	20.55	0.00	21.25
		50	50	22.18	22.12	22.08	2.00	22.70	20.68	20.62	20.54	0.00	21.25
		100	0	22.25	22.18	22.05	2.00	22.70	20.75	20.67	20.53	0.00	21.25
	64QAM	1	0	22.25	22.26	22.34	2.00	22.70	20.65	20.59	20.79	0.00	21.25
		1	49	22.52	22.46	22.37	2.00	22.70	20.93	20.84	20.81	0.00	21.25
		1	99	22.25	22.14	22.30	2.00	22.70	20.66	20.57	20.73	0.00	21.25
		50	0	21.31	21.19	21.13	3.00	21.70	20.45	20.36	20.28	0.00	21.25
		50	24	21.39	21.30	21.17	3.00	21.70	20.54	20.47	20.32	0.00	21.25
		50	50	21.26	21.17	21.14	3.00	21.70	20.44	20.34	20.28	0.00	21.25
		100	0	21.30	21.23	21.10	3.00	21.70	20.45	20.37	20.33	0.00	21.25
	256QAM	1	0	19.05	18.98	18.83	5.00	19.70	19.08	19.07	18.88	1.55	19.70
		1	49	18.98	18.90	18.95	5.00	19.70	19.05	19.04	18.94	1.55	19.70
		1	99	19.09	18.97	18.99	5.00	19.70	19.04	19.04	18.88	1.55	19.70
		50	0	18.89	18.92	18.85	5.00	19.70	18.90	19.11	19.00	1.55	19.70
		50	24	19.10	18.93	19.03	5.00	19.70	19.01	18.94	19.07	1.55	19.70
		50	50	18.86	18.82	19.01	5.00	19.70	18.81	18.86	18.82	1.55	19.70
		100	0	19.05	18.93	18.91	5.00	19.70	19.05	19.02	18.88	1.55	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132047.00	132322.00	132597.00	MPR	Tune-up Limit	132047.00	132322.00	132597.00	MPR	Tune-up Limit
				1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	23.90	23.85	23.86	0.00	24.70	20.68	20.61	20.64	0.00	21.25
		1	37	23.96	23.88	23.79	0.00	24.70	20.74	20.65	20.62	0.00	21.25
		1	74	23.80	23.71	23.75	0.00	24.70	20.56	20.47	20.56	0.00	21.25
		36	0	23.69	23.60	23.54	1.00	23.70	20.73	20.68	20.61	0.00	21.25
		36	20	23.45	23.66	23.56	1.00	23.70	20.81	20.72	20.62	0.00	21.25
		36	39	23.69	23.63	23.48	1.00	23.70	20.75	20.67	20.64	0.00	21.25
		75	0	23.67	23.60	23.42	1.00	23.70	20.74	20.68	20.53	0.00	21.25
	16QAM	1	0	23.51	23.23	23.14	1.00	23.70	20.81	20.83	20.86	0.00	21.25
		1	37	23.59	23.25	23.21	1.00	23.70	20.90	20.84	20.85	0.00	21.25
		1	74	23.51	23.03	23.27	1.00	23.70	20.82	20.67	20.87	0.00	21.25
		36	0	22.16	22.57	22.53	2.00	22.70	20.75	20.66	20.61	0.00	21.25
		36	20	22.22	22.65	22.53	2.00	22.70	20.81	20.74	20.60	0.00	21.25
		36	39	22.66	22.57	22.48	2.00	22.70	20.76	20.68	20.62	0.00	21.25
		75	0	22.70	22.63	22.53	2.00	22.70	20.78	20.69	20.57	0.00	21.25
	64QAM	1	0	22.54	22.45	22.53	2.00	22.70	20.90	20.84	20.92	0.00	21.25
		1	37	22.68	22.57	22.52	2.00	22.70	20.94	20.95	20.92	0.00	21.25
		1	74	22.53	22.42	22.40	2.00	22.70	20.89	20.80	20.93	0.00	21.25
		36	0	21.13	21.62	21.56	3.00	21.70	20.47	20.38	20.33	0.00	21.25
		36	20	21.17	21.68	21.59	3.00	21.70	20.53	20.44	20.32	0.00	21.25
		36	39	21.10	21.64	21.55	3.00	21.70	20.47	20.38	20.34	0.00	21.25
		75	0	21.17	21.68		3.00	21.70	20.52	20.42	20.34	0.00	21.25
	256QAM	1	0	18.83	18.85	19.03	5.00	19.70	18.82	18.87	18.89	1.55	19.70
		1	37	18.83	19.03	19.00	5.00	19.70	18.97	19.10	18.95	1.55	19.70
		1	74	18.88	19.02	19.07	5.00	19.70	18.91	19.07	18.97	1.55	19.70
		36	0	19.04	18.96	18.96	5.00	19.70	19.01	18.94	18.98	1.55	19.70
		36	20	19.03	18.95	18.97	5.00	19.70	19.10	18.97	18.88	1.55	19.70
		36	39	19.03	18.86	18.92	5.00	19.70	18.87	19.08	18.98	1.55	19.70
		75	0	18.84	18.94	19.04	5.00	19.70	19.07	18.92	19.07	1.55	19.70

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LTE Band 66 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				132022.00	132322.00	132622.00			132022.00	132322.00	132622.00		
				1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	23.99	23.85	23.82	0.00	24.70	20.38	20.32	20.29	0.00	21.25
		1	25	24.23	24.17	24.14	0.00	24.70	20.67	20.60	20.54	0.00	21.25
		1	49	23.97	23.90	23.87	0.00	24.70	20.44	20.32	20.30	0.00	21.25
		25	0	23.30	23.26	23.12	1.00	23.70	20.75	20.70	20.56	0.00	21.25
		25	12	23.35	23.31	23.17	1.00	23.70	20.80	20.75	20.59	0.00	21.25
		25	25	23.26	23.20	23.17	1.00	23.70	20.71	20.64	20.60	0.00	21.25
		50	0	23.29	23.24	23.10	1.00	23.70	20.72	20.66	20.52	0.00	21.25
	16QAM	1	0	23.08	23.02	22.95	1.00	23.70	20.54	20.46	20.42	0.00	21.25
		1	25	23.30	23.26	23.21	1.00	23.70	20.76	20.69	20.66	0.00	21.25
		1	49	23.08	23.04	22.98	1.00	23.70	20.53	20.45	20.41	0.00	21.25
		25	0	22.39	22.34	22.22	2.00	22.70	20.88	20.80	20.66	0.00	21.25
		25	12	22.45	22.40	22.27	2.00	22.70	20.92	20.84	20.72	0.00	21.25
		25	25	22.36	22.28	22.25	2.00	22.70	20.82	20.76	20.71	0.00	21.25
		50	0	22.28	22.25	22.10	2.00	22.70	20.77	20.72	20.56	0.00	21.25
	64QAM	1	0	22.24	22.14	22.10	2.00	22.70	20.67	20.58	20.57	0.00	21.25
		1	25	22.55	22.47	22.40	2.00	22.70	21.00	20.86	20.86	0.00	21.25
		1	49	22.27	22.24	22.10	2.00	22.70	20.70	20.64	20.54	0.00	21.25
		25	0	21.39	21.35	21.19	3.00	21.70	20.55	20.47	20.33	0.00	21.25
		25	12	21.46	21.40	21.24	3.00	21.70	20.59	20.54	20.40	0.00	21.25
		25	25	21.38	21.32	21.27	3.00	21.70	20.51	20.44	20.39	0.00	21.25
		50	0	21.31	21.27	21.09	3.00	21.70	20.45	20.39	20.44	0.00	21.25
	256QAM	1	0	19.03	19.04	18.88	5.00	19.70	19.00	19.03	18.81	1.55	19.70
		1	25	19.07	18.89	18.95	5.00	19.70	18.84	19.10	19.01	1.55	19.70
		1	49	18.91	19.01	19.00	5.00	19.70	19.05	18.99	18.86	1.55	19.70
		25	0	18.93	19.07	19.06	5.00	19.70	18.99	18.97	18.86	1.55	19.70
		25	12	18.97	19.10	19.02	5.00	19.70	18.89	19.02	19.10	1.55	19.70
		25	25	18.88	18.88	19.08	5.00	19.70	19.05	18.85	18.88	1.55	19.70
		50	0	19.04	19.05	18.90	5.00	19.70	19.11	18.92	18.97	1.55	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131997.00	132322.00	132647.00			131997.00	132322.00	132647.00		
				1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	24.29	24.25	24.24	0.00	24.70	20.71	20.62	20.64	0.00	21.25
		1	12	24.10	24.29	24.20	0.00	24.70	20.76	20.65	20.61	0.00	21.25
		1	24	24.29	24.24	24.16	0.00	24.70	20.70	20.62	20.54	0.00	21.25
		12	0	23.30	23.33	23.29	1.00	23.70	20.85	20.75	20.72	0.00	21.25
		12	7	23.30	23.35	23.28	1.00	23.70	20.86	20.73	20.72	0.00	21.25
		12	13	23.31	23.26	23.19	1.00	23.70	20.78	20.67	20.65	0.00	21.25
		25	0	23.34	23.30	23.23	1.00	23.70	20.81	20.71	20.64	0.00	21.25
	16QAM	1	0	23.20	23.10	23.10	1.00	23.70	20.88	20.83	20.84	0.00	21.25
		1	12	23.20	23.20	23.20	1.00	23.70	20.91	20.85	20.89	0.00	21.25
		1	24	23.20	23.10	23.20	1.00	23.70	20.87	20.81	20.77	0.00	21.25
		12	0	22.45	22.39	22.30	2.00	22.70	20.90	20.83	20.78	0.00	21.25
		12	7	22.42	22.38	22.33	2.00	22.70	20.93	20.80	20.77	0.00	21.25
		12	13	22.39	22.28	22.27	2.00	22.70	20.84	20.75	20.71	0.00	21.25
		25	0	22.29	22.24	22.17	2.00	22.70	20.77	20.65	20.62	0.00	21.25
	64QAM	1	0	22.64	22.54	22.50	2.00	22.70	20.79	20.92	20.99	0.00	21.25
		1	12	22.67	22.60	22.51	2.00	22.70	20.83	20.96	20.98	0.00	21.25
		1	24	22.61	22.53	22.43	2.00	22.70	20.97	20.90	20.88	0.00	21.25
		12	0	21.51	21.43	21.35	3.00	21.70	20.66	20.58	20.48	0.00	21.25
		12	7	21.50	21.40	21.30	3.00	21.70	20.62	20.56	20.46	0.00	21.25
		12	13	21.41	21.38	21.26	3.00	21.70	20.58	20.47	20.40	0.00	21.25
		25	0	21.39	21.30	21.26	3.00	21.70	20.53	20.45	20.41	0.00	21.25
	256QAM	1	0	19.02	18.96	18.97	5.00	19.70	18.84	19.05	18.98	1.55	19.70
		1	12	18.95	18.94	19.05	5.00	19.70	18.98	19.02	19.04	1.55	19.70
		1	24	18.93	19.07	18.86	5.00	19.70	19.02	19.02	19.05	1.55	19.70
		12	0	19.07	18.92	18.95	5.00	19.70	19.03	19.06	18.99	1.55	19.70
		12	7	18.93	19.02	18.90	5.00	19.70	19.02	19.08	19.04	1.55	19.70
		12	13	19.09	19.09	19.04	5.00	19.70	18.87	18.82	19.10	1.55	19.70
		25	0	18.83	19.01	18.99	5.00	19.70	18.90	18.88	18.91	1.55	19.70

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LTE Band 66 Measured Results (ANT3) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131987.00	132322.00	132657.00			131987.00	132322.00	132657.00		
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	24.24	24.20	24.18	0.00	24.70	20.69	20.64	20.63	0.00	21.25
		1	8	24.24	24.18	24.08	0.00	24.70	20.67	20.58	20.54	0.00	21.25
		1	14	24.19	24.13	24.06	0.00	24.70	20.61	20.58	20.53	0.00	21.25
		8	0	23.36	23.30	23.26	1.00	23.70	20.84	20.77	20.72	0.00	21.25
		8	4	23.34	23.33	23.28	1.00	23.70	20.78	20.77	20.72	0.00	21.25
		8	7	23.35	23.32	23.26	1.00	23.70	20.81	20.71	20.72	0.00	21.25
		15	0	23.33	23.28	23.22	1.00	23.70	20.79	20.72	20.69	0.00	21.25
	16QAM	1	0	23.10	23.35	23.34	1.00	23.70	20.81	20.78	20.81	0.00	21.25
		1	8	23.32	23.31	23.23	1.00	23.70	20.78	20.74	20.70	0.00	21.25
		1	14	23.28	23.24	23.21	1.00	23.70	20.73	20.66	20.64	0.00	21.25
		8	0	22.43	22.37	22.29	2.00	22.70	20.86	20.82	20.73	0.00	21.25
		8	4	22.40	22.35	22.30	2.00	22.70	20.84	20.80	20.76	0.00	21.25
		8	7	22.37	22.33	22.29	2.00	22.70	20.88	20.80	20.74	0.00	21.25
		15	0	22.31	22.21	22.20	2.00	22.70	20.76	20.71	20.64	0.00	21.25
	64QAM	1	0	22.59	22.52	22.50	2.00	22.70	20.78	20.70	20.71	0.00	21.25
		1	8	22.69	22.55	22.43	2.00	22.70	20.86	20.76	20.68	0.00	21.25
		1	14	22.52	22.41	22.33	2.00	22.70	20.93	20.85	20.79	0.00	21.25
		8	0	21.37	21.29	21.23	3.00	21.70	20.53	20.44	20.39	0.00	21.25
		8	4	21.41	21.32	21.20	3.00	21.70	20.52	20.47	20.36	0.00	21.25
		8	7	21.37	21.29	21.21	3.00	21.70	20.48	20.42	20.34	0.00	21.25
		15	0	21.43	21.36	21.23	3.00	21.70	20.51	20.52	20.42	0.00	21.25
	256QAM	1	0	18.91	18.92	19.00	5.00	19.70	18.95	18.92	18.83	1.55	19.70
		1	8	19.08	19.03	18.86	5.00	19.70	19.05	19.02	19.08	1.55	19.70
		1	14	19.03	19.05	18.86	5.00	19.70	18.83	19.04	18.98	1.55	19.70
		8	0	19.05	18.93	18.90	5.00	19.70	19.05	18.85	18.88	1.55	19.70
		8	4	19.00	18.91	18.97	5.00	19.70	18.98	19.01	18.91	1.55	19.70
		8	7	18.88	18.84	18.92	5.00	19.70	18.92	18.91	19.11	1.55	19.70
		15	0	19.03	19.03	18.87	5.00	19.70	19.08	18.82	18.88	1.55	19.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131979.00	132322.00	132665.00			131979.00	132322.00	132665.00		
				1710.7 MHz	1745 MHz	1779.3 MHz			1710.7 MHz	1745 MHz	1779.3 MHz		
1.4 MHz	QPSK	1	0	24.26	24.14	24.13	0.00	24.70	20.70	20.57	20.63	0.00	21.25
		1	3	24.25	24.19	24.18	0.00	24.70	20.71	20.63	20.64	0.00	21.25
		1	5	24.17	24.07	24.06	0.00	24.70	20.65	20.53	20.57	0.00	21.25
		3	0	23.95	23.90	23.91	0.00	24.70	20.69	20.55	20.62	0.00	21.25
		3	1	23.99	23.94	23.98	0.00	24.70	20.70	20.61	20.63	0.00	21.25
		3	3	23.97	23.94	23.95	0.00	24.70	20.70	20.57	20.62	0.00	21.25
		6	0	23.26	23.18	23.16	1.00	23.70	20.73	20.66	20.65	0.00	21.25
	16QAM	1	0	23.37	23.27	23.58	1.00	23.70	20.87	20.43	20.87	0.00	21.25
		1	3	23.46	23.31	23.58	1.00	23.70	20.89	20.48	20.80	0.00	21.25
		1	5	23.36	23.25	23.54	1.00	23.70	20.81	20.44	20.73	0.00	21.25
		3	0	23.31	23.40	23.33	1.00	23.70	20.95	20.84	20.81	0.00	21.25
		3	1	23.35	23.45	23.42	1.00	23.70	20.96	20.87	20.81	0.00	21.25
		3	3	23.33	23.44	23.38	1.00	23.70	20.94	20.89	20.82	0.00	21.25
		6	0	22.40	22.41	22.04	2.00	22.70	20.66	20.82	20.52	0.00	21.25
	64QAM	1	0	22.50	22.41	22.65	2.00	22.70	20.69	20.83	20.59	0.00	21.25
		1	3	22.52	22.49	22.66	2.00	22.70	20.75	20.89	20.63	0.00	21.25
		1	5	22.49	22.34	22.52	2.00	22.70	20.68	20.75	20.55	0.00	21.25
		3	0	22.26	22.39	22.52	2.00	22.70	20.47	20.75	20.35	0.00	21.25
		3	1	22.29	22.44	22.53	2.00	22.70	20.50	20.78	20.36	0.00	21.25
		3	3	22.27	22.42	22.52	2.00	22.70	20.48	20.76	20.36	0.00	21.25
		6	0	21.34	21.54	21.13	3.00	21.70	20.26	20.25	20.25	0.00	21.25
	256QAM	1	0	18.96	18.81	18.88	5.00	19.70	18.82	18.86	18.87	1.55	19.70
		1	3	19.10	18.93	18.87	5.00	19.70	18.92	19.06	19.05	1.55	19.70
		1	5	18.96	18.89	18.95	5.00	19.70	18.96	18.82	18.83	1.55	19.70
		3	0	18.96	19.06	19.04	5.00	19.70	19.07	19.00	18.83	1.55	19.70
		3	1	19.06	19.04	18.99	5.00	19.70	18.91	18.92	18.82	1.55	19.70
		3	3	18.89	18.96	18.87	5.00	19.70	18.83	18.92	18.90	1.55	19.70
		6	0	18.84	18.95	18.82	5.00	19.70	19.11	18.97	18.93	1.55	19.70

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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	19.33	19.19	19.42	0.00	20.00	20.81	20.62	20.89	0.00	21.00
		1	49	19.75	19.75	19.75	0.00	20.00	21.00	21.00	21.00	0.00	21.00
		1	99	19.20	19.13	19.30	0.00	20.00	20.67	20.56	20.79	0.00	21.00
		50	0	19.57	19.41	19.35	0.00	20.00	20.52	20.38	20.32	0.00	21.00
		50	24	19.75	19.75	19.75	0.00	20.00	20.90	20.80	20.80	0.00	21.00
		50	50	19.51	19.40	19.36	0.00	20.00	20.49	20.35	20.33	0.00	21.00
		100	0	19.57	19.75	19.30	0.00	20.00	20.54	20.90	20.30	0.00	21.00
	16QAM	1	0	19.58	19.42	19.64	0.00	20.00	20.71	20.55	20.80	0.00	21.00
		1	49	19.41	19.67	19.63	0.00	20.00	20.93	20.78	20.79	0.00	21.00
		1	99	19.48	19.39	19.55	0.00	20.00	20.60	20.49	20.68	0.00	21.00
		50	0	19.55	19.41	19.34	0.00	20.00	19.96	19.81	19.75	0.30	20.70
		50	24	19.66	19.51	19.44	0.00	20.00	20.07	19.93	19.86	0.30	20.70
		50	50	19.51	19.39	19.35	0.00	20.00	19.93	19.80	19.77	0.30	20.70
		100	0	19.58	19.46	19.34	0.00	20.00	20.00	19.86	19.76	0.30	20.70
	64QAM	1	0	19.49	19.29	19.51	0.00	20.00	19.99	19.82	20.06	0.30	20.70
		1	49	19.62	19.56	19.53	0.00	20.00	20.22	20.07	20.02	0.30	20.70
		1	99	19.41	19.31	19.47	0.00	20.00	19.92	19.80	19.98	0.30	20.70
		50	0	19.02	18.87	18.82	0.30	19.70	19.03	18.88	18.82	1.30	19.70
		50	24	19.13	19.00	18.93	0.30	19.70	19.11	19.00	18.97	1.30	19.70
		50	50	18.97	18.86	18.82	0.30	19.70	19.00	18.88	18.83	1.30	19.70
		100	0	19.03	18.90	18.77	0.30	19.70	19.04	18.90	18.77	1.30	19.70
	256QAM	1	0	16.99	16.88	16.91	2.30	17.70	16.81	16.99	16.81	3.30	17.70
		1	49	17.05	16.81	17.07	2.30	17.70	17.09	17.02	16.87	3.30	17.70
		1	99	16.99	17.02	16.82	2.30	17.70	16.82	17.04	16.81	3.30	17.70
		50	0	16.97	16.89	17.03	2.30	17.70	17.01	16.89	17.06	3.30	17.70
		50	24	17.08	17.07	17.02	2.30	17.70	17.06	16.81	17.09	3.30	17.70
		50	50	16.96	16.96	17.08	2.30	17.70	16.96	16.89	16.91	3.30	17.70
		100	0	17.04	16.85	17.05	2.30	17.70	17.05	16.80	17.01	3.30	17.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132047	132322	132597	MPR	Tune-up Limit	132047	132322	132597	MPR	Tune-up Limit
				1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	19.55	19.36	19.50	0.00	20.00	20.99	20.85	20.95	0.00	21.00
		1	37	19.56	19.45	19.43	0.00	20.00	20.59	20.89	20.86	0.00	21.00
		1	74	19.40	19.27	19.39	0.00	20.00	20.83	20.74	20.84	0.00	21.00
		36	0	19.60	19.37	19.34	0.00	20.00	20.66	20.42	20.40	0.00	21.00
		36	20	19.58	19.44	19.35	0.00	20.00	20.65	20.47	20.40	0.00	21.00
		36	39	19.50	19.35	19.37	0.00	20.00	20.55	20.40	20.42	0.00	21.00
		75	0	19.55	19.36	19.30	0.00	20.00	20.56	20.41	20.33	0.00	21.00
	16QAM	1	0	19.76	19.65	19.74	0.00	20.00	20.85	20.75	20.88	0.00	21.00
		1	37	19.43	19.29	19.32	0.00	20.00	20.92	20.81	20.84	0.00	21.00
		1	74	19.29	19.13	19.32	0.00	20.00	20.74	20.61	20.85	0.00	21.00
		36	0	19.28	19.06	19.02	0.00	20.00	20.09	19.85	19.84	0.30	20.70
		36	20	19.28	19.12	19.03	0.00	20.00	20.06	19.92	19.83	0.30	20.70
		36	39	19.19	19.05	19.04	0.00	20.00	19.99	19.86	19.84	0.30	20.70
		75	0	19.23	19.08	19.00	0.00	20.00	20.03	19.88	19.79	0.30	20.70
	64QAM	1	0	19.36	19.18	19.32	0.00	20.00	20.48	20.30	20.43	0.30	20.70
		1	37	19.47	19.30	19.32	0.00	20.00	20.56	20.39	20.44	0.30	20.70
		1	74	19.28	19.17	19.31	0.00	20.00	20.39	20.26	20.42	0.30	20.70
		36	0	19.15	18.90	18.88	0.30	19.70	19.15	18.90	18.90	1.30	19.70
		36	20	19.12	18.96	18.88	0.30	19.70	19.12	18.96	18.91	1.30	19.70
		36	39	19.03	18.90	18.91	0.30	19.70	19.03	18.90	18.92	1.30	19.70
		75	0	19.10	18.95	18.87	0.30	19.70	19.10	18.95	18.87	1.30	19.70
	256QAM	1	0	16.96	16.93	17.04	2.30	17.70	16.99	17.03	16.96	3.30	17.70
		1	37	17.07	16.84	16.92	2.30	17.70	16.86	16.80	17.01	3.30	17.70
		1	74	16.90	16.84	16.97	2.30	17.70	16.80	16.92	17.02	3.30	17.70
		36	0	17.06	16.84	16.94	2.30	17.70	17.02	16.82	17.07	3.30	17.70
		36	20	16.84	16.83	17.07	2.30	17.70	17.01	16.94	17.06	3.30	17.70
		36	39	17.00	16.84	16.94	2.30	17.70	17.07	16.95	17.03	3.30	17.70
		75	0	16.98	16.80	17.00	2.30	17.70	17.00	16.99	17.01	3.30	17.70

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LTE Band 66 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				132022	132322	132622			132022	132322	132622		
				1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	19.30	19.12	19.11	0.00	20.00	20.75	20.55	20.59	0.00	21.00
		1	25	19.56	19.43	19.43	0.00	20.00	21.00	20.83	20.86	0.00	21.00
		1	49	19.30	19.15	19.15	0.00	20.00	20.76	20.60	20.59	0.00	21.00
		25	0	19.66	19.52	19.42	0.00	20.00	20.59	20.43	20.34	0.00	21.00
		25	12	19.72	19.57	19.48	0.00	20.00	20.66	20.50	20.40	0.00	21.00
		25	25	19.60	19.45	19.45	0.00	20.00	20.55	20.40	20.38	0.00	21.00
		50	0	19.64	19.49	19.39	0.00	20.00	20.57	20.41	20.32	0.00	21.00
	16QAM	1	0	19.41	19.26	19.23	0.00	20.00	20.34	20.20	20.16	0.00	21.00
		1	25	19.59	19.49	19.48	0.00	20.00	20.59	20.43	20.41	0.00	21.00
		1	49	19.42	19.27	19.23	0.00	20.00	20.39	20.21	20.17	0.00	21.00
		25	0	19.72	19.59	19.51	0.00	20.00	20.14	20.00	19.88	0.30	20.70
		25	12	19.78	19.65	19.56	0.00	20.00	20.19	20.05	19.94	0.30	20.70
		25	25	19.67	19.52	19.54	0.00	20.00	20.06	19.94	19.92	0.30	20.70
		50	0	19.62	19.50	19.39	0.00	20.00	20.04	19.89	19.79	0.30	20.70
	64QAM	1	0	19.54	19.40	19.32	0.00	20.00	19.95	19.78	19.77	0.30	20.70
		1	25	19.85	19.73	19.69	0.00	20.00	20.25	20.12	20.10	0.30	20.70
		1	49	19.56	19.46	19.41	0.00	20.00	19.95	19.86	19.81	0.30	20.70
		25	0	19.13	18.98	18.90	0.30	19.70	19.14	18.97	18.89	1.30	19.70
		25	12	19.18	19.05	18.95	0.30	19.70	19.19	19.03	18.93	1.30	19.70
		25	25	19.07	18.95	18.95	0.30	19.70	19.09	18.97	18.96	1.30	19.70
		50	0	19.02	18.87	18.80	0.30	19.70	19.05	18.90	18.82	1.30	19.70
	256QAM	1	0	16.84	17.04	16.96	2.30	17.70	17.04	16.85	16.98	3.30	17.70
		1	25	16.88	16.87	16.83	2.30	17.70	16.90	17.09	16.95	3.30	17.70
		1	49	16.82	16.98	17.08	2.30	17.70	16.85	16.87	17.04	3.30	17.70
		25	0	16.92	16.98	16.88	2.30	17.70	16.95	16.94	16.93	3.30	17.70
		25	12	16.96	16.95	16.97	2.30	17.70	16.98	16.81	16.85	3.30	17.70
		25	25	17.07	16.89	16.87	2.30	17.70	17.05	17.05	17.00	3.30	17.70
		50	0	16.83	16.99	16.82	2.30	17.70	17.06	16.96	17.07	3.30	17.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131997	132322	132647			131997	132322	132647		
				1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	19.64	19.50	19.55	0.00	20.00	20.67	20.92	20.94	0.00	21.00
		1	12	19.70	19.51	19.48	0.00	20.00	20.67	20.93	20.92	0.00	21.00
		1	24	19.60	19.47	19.45	0.00	20.00	20.62	20.89	20.86	0.00	21.00
		12	0	19.65	19.50	19.51	0.00	20.00	20.69	20.54	20.50	0.00	21.00
		12	7	19.68	19.48	19.49	0.00	20.00	20.69	20.52	20.48	0.00	21.00
		12	13	19.59	19.42	19.41	0.00	20.00	20.60	20.44	20.43	0.00	21.00
		25	0	19.70	19.56	19.55	0.00	20.00	20.66	20.46	20.46	0.00	21.00
	16QAM	1	0	19.38	19.21	19.29	0.00	20.00	20.77	20.55	20.61	0.00	21.00
		1	12	19.38	19.22	19.28	0.00	20.00	20.77	20.55	20.61	0.00	21.00
		1	24	19.35	19.20	19.20	0.00	20.00	20.72	20.54	20.54	0.00	21.00
		12	0	19.37	19.24	19.20	0.00	20.00	20.22	20.05	19.98	0.30	20.70
		12	7	19.38	19.22	19.20	0.00	20.00	20.22	20.02	20.01	0.30	20.70
		12	13	19.29	19.16	19.13	0.00	20.00	20.13	19.96	19.93	0.30	20.70
		25	0	19.24	19.08	19.06	0.00	20.00	20.08	19.89	19.85	0.30	20.70
	64QAM	1	0	19.51	19.35	19.39	0.00	20.00	20.34	20.15	20.21	0.30	20.70
		1	12	19.55	19.37	19.42	0.00	20.00	20.33	20.16	20.20	0.30	20.70
		1	24	19.49	19.29	19.31	0.00	20.00	20.28	20.11	20.11	0.30	20.70
		12	0	19.22	19.08	19.05	0.30	19.70	19.21	19.08	19.06	1.30	19.70
		12	7	19.24	19.06	19.01	0.30	19.70	19.22	19.07	19.01	1.30	19.70
		12	13	19.14	18.96	18.98	0.30	19.70	19.14	18.95	18.97	1.30	19.70
		25	0	19.13	18.96	18.96	0.30	19.70	19.15	18.97	18.95	1.30	19.70
	256QAM	1	0	17.06	16.96	17.10	2.30	17.70	16.86	16.95	17.08	3.30	17.70
		1	12	16.91	17.01	17.00	2.30	17.70	16.83	17.04	17.08	3.30	17.70
		1	24	16.88	17.08	17.06	2.30	17.70	17.06	16.90	17.01	3.30	17.70
		12	0	17.09	16.81	17.06	2.30	17.70	16.95	17.09	16.89	3.30	17.70
		12	7	17.09	16.81	17.08	2.30	17.70	16.94	16.94	16.89	3.30	17.70
		12	13	16.87	17.00	16.95	2.30	17.70	16.94	17.00	16.96	3.30	17.70
		25	0	16.98	16.98	16.83	2.30	17.70	16.97	16.81	16.90	3.30	17.70

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LTE Band 66 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131987	132322	132657			131987	132322	132657		
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	19.45	19.33	19.34	0.00	20.00	20.67	20.99	20.92	0.00	21.00
		1	8	19.35	19.21	19.22	0.00	20.00	20.99	20.85	20.83	0.00	21.00
		1	14	19.32	19.20	19.20	0.00	20.00	20.96	20.80	20.77	0.00	21.00
		8	0	19.51	19.38	19.39	0.00	20.00	20.69	20.52	20.48	0.00	21.00
		8	4	19.55	19.41	19.37	0.00	20.00	20.66	20.50	20.48	0.00	21.00
		8	7	19.51	19.37	19.36	0.00	20.00	20.66	20.52	20.47	0.00	21.00
		15	0	19.49	19.34	19.32	0.00	20.00	20.64	20.49	20.46	0.00	21.00
	16QAM	1	0	19.57	19.46	19.42	0.00	20.00	20.73	20.56	20.52	0.00	21.00
		1	8	19.44	19.31	19.32	0.00	20.00	20.65	20.43	20.43	0.00	21.00
		1	14	19.44	19.32	19.27	0.00	20.00	20.61	20.44	20.35	0.00	21.00
		8	0	19.56	19.40	19.40	0.00	20.00	20.14	20.03	20.00	0.30	20.70
		8	4	19.55	19.41	19.38	0.00	20.00	20.16	20.02	20.00	0.30	20.70
		8	7	19.54	19.39	19.40	0.00	20.00	20.17	20.01	19.97	0.30	20.70
		15	0	19.45	19.29	19.28	0.00	20.00	20.05	19.88	19.86	0.30	20.70
	64QAM	1	0	19.78	19.62	19.61	0.00	20.00	20.38	20.25	20.19	0.30	20.70
		1	8	19.40	19.60	19.57	0.00	20.00	20.39	20.22	20.20	0.30	20.70
		1	14	19.62	19.46	19.45	0.00	20.00	20.23	20.08	20.05	0.30	20.70
		8	0	19.09	18.96	18.94	0.30	19.70	19.11	18.97	18.90	1.30	19.70
		8	4	19.13	18.95	18.97	0.30	19.70	19.10	18.94	18.92	1.30	19.70
		8	7	19.09	18.97	18.96	0.30	19.70	19.11	18.94	18.93	1.30	19.70
		15	0	19.17	18.98	19.00	0.30	19.70	19.13	19.01	18.95	1.30	19.70
	256QAM	1	0	17.09	17.03	16.85	2.30	17.70	16.82	16.85	16.86	3.30	17.70
		1	8	17.00	16.90	17.06	2.30	17.70	16.87	16.85	16.94	3.30	17.70
		1	14	17.05	16.94	16.86	2.30	17.70	16.91	16.85	16.84	3.30	17.70
		8	0	16.83	16.91	17.09	2.30	17.70	16.95	16.88	16.91	3.30	17.70
		8	4	16.91	16.86	16.89	2.30	17.70	17.00	16.94	16.98	3.30	17.70
		8	7	17.03	17.09	16.92	2.30	17.70	16.81	17.02	16.87	3.30	17.70
		15	0	16.92	16.97	16.95	2.30	17.70	16.92	16.82	16.80	3.30	17.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				131979	132322	132665			131979	132322	132665		
				1710.7 MHz	1745 MHz	1779.3 MHz			1710.7 MHz	1745 MHz	1779.3 MHz		
1.4 MHz	QPSK	1	0	19.62	19.51	19.50	0.00	20.00	20.94	20.71	20.78	0.00	21.00
		1	3	19.69	19.56	19.56	0.00	20.00	20.92	20.75	20.80	0.00	21.00
		1	5	19.61	19.45	19.45	0.00	20.00	20.81	20.65	20.70	0.00	21.00
		3	0	19.64	19.49	19.46	0.00	20.00	20.90	20.63	20.72	0.00	21.00
		3	1	19.65	19.49	19.51	0.00	20.00	20.91	20.69	20.75	0.00	21.00
		3	3	19.66	19.53	19.49	0.00	20.00	20.91	20.70	20.74	0.00	21.00
		6	0	19.39	19.26	19.23	0.00	20.00	20.42	20.25	20.26	0.00	21.00
	16QAM	1	0	19.44	19.24	19.27	0.00	20.00	20.84	20.25	20.67	0.00	21.00
		1	3	19.44	19.29	19.30	0.00	20.00	20.81	20.31	20.78	0.00	21.00
		1	5	19.39	19.22	19.24	0.00	20.00	20.77	20.22	20.61	0.00	21.00
		3	0	19.56	19.38	19.40	0.00	20.00	20.62	20.41	20.41	0.00	21.00
		3	1	19.61	19.45	19.44	0.00	20.00	20.64	20.45	20.48	0.00	21.00
		3	3	19.58	19.42	19.42	0.00	20.00	20.61	20.47	20.44	0.00	21.00
		6	0	19.54	19.40	19.39	0.00	20.00	19.97	20.01	19.75	0.30	20.70
	64QAM	1	0	19.63	19.49	19.41	0.00	20.00	20.25	20.02	20.33	0.30	20.70
		1	3	19.67	19.52	19.44	0.00	20.00	20.27	20.05	20.37	0.30	20.70
		1	5	19.63	19.45	19.27	0.00	20.00	20.25	19.93	20.23	0.30	20.70
		3	0	19.41	19.21	19.40	0.00	20.00	20.02	20.02	20.22	0.30	20.70
		3	1	19.44	19.25	19.41	0.00	20.00	20.04	20.07	20.22	0.30	20.70
		3	3	19.42	19.24	19.40	0.00	20.00	20.03	20.02	20.20	0.30	20.70
		6	0	19.12	18.95	19.18	0.30	19.70	19.11	19.15	18.86	1.30	19.70
	256QAM	1	0	16.98	17.09	17.01	2.30	17.70	17.05	16.91	17.09	3.30	17.70
		1	3	16.86	17.08	17.02	2.30	17.70	17.00	16.86	16.89	3.30	17.70
		1	5	16.93	16.88	16.95	2.30	17.70	17.01	16.84	17.03	3.30	17.70
		3	0	16.96	16.88	17.08	2.30	17.70	17.09	16.82	16.92	3.30	17.70
		3	1	17.07	16.99	16.84	2.30	17.70	16.90	16.83	17.00	3.30	17.70
		3	3	16.98	17.01	16.83	2.30	17.70	17.04	16.88	16.86	3.30	17.70
		6	0	17.07	16.94	17.06	2.30	17.70	17.01	16.98	16.87	3.30	17.70

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LTE Band 71 Measured Results (ANT1)

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	24.84	0.00	25.70	24.84	0.00	25.70
		1	49	25.20	0.00	25.70	25.20	0.00	25.70
		1	99	24.73	0.00	25.70	24.73	0.00	25.70
		50	0	23.89	1.00	24.70	23.89	1.00	24.70
		50	24	24.20	1.00	24.70	24.20	1.00	24.70
		50	50	23.83	1.00	24.70	23.83	1.00	24.70
		100	0	23.82	1.00	24.70	23.82	1.00	24.70
	16QAM	1	0	24.25	1.00	24.70	24.25	1.00	24.70
		1	49	24.21	1.00	24.70	24.21	1.00	24.70
		1	99	24.15	1.00	24.70	24.15	1.00	24.70
		50	0	22.83	2.00	23.70	22.83	2.00	23.70
		50	24	22.88	2.00	23.70	22.88	2.00	23.70
		50	50	22.81	2.00	23.70	22.81	2.00	23.70
		100	0	22.83	2.00	23.70	22.83	2.00	23.70
	64QAM	1	0	23.04	2.00	23.70	23.04	2.00	23.70
		1	49	23.07	2.00	23.70	23.07	2.00	23.70
		1	99	23.02	2.00	23.70	23.02	2.00	23.70
		50	0	21.91	3.00	22.70	21.91	3.00	22.70
		50	24	21.93	3.00	22.70	21.93	3.00	22.70
		50	50	21.90	3.00	22.70	21.90	3.00	22.70
		100	0	21.87	3.00	22.70	21.87	3.00	22.70
	256QAM	1	0	19.96	5.00	20.70	19.96	5.00	20.70
		1	49	20.03	5.00	20.70	20.03	5.00	20.70
		1	99	20.11	5.00	20.70	20.11	5.00	20.70
		50	0	19.96	5.00	20.70	19.96	5.00	20.70
		50	24	20.00	5.00	20.70	20.00	5.00	20.70
		50	50	20.07	5.00	20.70	20.07	5.00	20.70
		100	0	20.03	5.00	20.70	20.03	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm}			Power Mode B (dBm}		
				133297.00 680.5 MHz	MPR	Tune-up Limit	133297.00 680.5 MHz	MPR	Tune-up Limit
15 MHz	QPSK	1	0	24.86	0.00	25.70	24.86	0.00	25.70
		1	37	24.81	0.00	25.70	24.81	0.00	25.70
		1	74	24.82	0.00	25.70	24.82	0.00	25.70
		36	0	23.86	1.00	24.70	23.86	1.00	24.70
		36	20	23.92	1.00	24.70	23.92	1.00	24.70
		36	39	23.87	1.00	24.70	23.87	1.00	24.70
		75	0	23.83	1.00	24.70	23.83	1.00	24.70
	16QAM	1	0	24.24	1.00	24.70	24.24	1.00	24.70
		1	37	24.23	1.00	24.70	24.23	1.00	24.70
		1	74	24.21	1.00	24.70	24.21	1.00	24.70
		36	0	22.84	2.00	23.70	22.84	2.00	23.70
		36	20	22.88	2.00	23.70	22.88	2.00	23.70
		36	39	22.84	2.00	23.70	22.84	2.00	23.70
		75	0	22.84	2.00	23.70	22.84	2.00	23.70
	64QAM	1	0	23.40	2.00	23.70	23.40	2.00	23.70
		1	37	23.43	2.00	23.70	23.43	2.00	23.70
		1	74	23.43	2.00	23.70	23.43	2.00	23.70
		36	0	21.90	3.00	22.70	21.90	3.00	22.70
		36	20	21.95	3.00	22.70	21.95	3.00	22.70
		36	39	21.88	3.00	22.70	21.88	3.00	22.70
		75	0	21.89	3.00	22.70	21.89	3.00	22.70
	256QAM	1	0	19.91	5.00	20.70	19.91	5.00	20.70
		1	37	20.00	5.00	20.70	20.00	5.00	20.70
		1	74	20.12	5.00	20.70	20.12	5.00	20.70
		36	0	20.08	5.00	20.70	20.08	5.00	20.70
		36	20	20.06	5.00	20.70	20.06	5.00	20.70
		36	39	19.92	5.00	20.70	19.92	5.00	20.70
		75	0	19.99	5.00	20.70	19.99	5.00	20.70

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LTE Band 71 Measured Results (ANT1) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				133172.00	133297.00	133422.00			133172.00	133297.00	133422.00		
				668 MHz	680.5 MHz	693 MHz			668 MHz	680.5 MHz	693 MHz		
10 MHz	QPSK	1	0	24.93	24.81	24.74	0.00	25.70	24.93	24.81	24.74	0.00	25.70
		1	25	24.87	24.76	24.75	0.00	25.70	24.87	24.76	24.75	0.00	25.70
		1	49	24.90	24.77	24.72	0.00	25.70	24.90	24.77	24.72	0.00	25.70
		25	0	23.94	23.83	23.78	1.00	24.70	23.94	23.83	23.78	1.00	24.70
		25	12	24.03	23.90	23.76	1.00	24.70	24.03	23.90	23.76	1.00	24.70
		25	25	23.95	23.86	23.79	1.00	24.70	23.95	23.86	23.79	1.00	24.70
		50	0	23.93	23.84	23.72	1.00	24.70	23.93	23.84	23.72	1.00	24.70
	16QAM	1	0	24.03	23.87	23.89	1.00	24.70	24.03	23.87	23.89	1.00	24.70
		1	25	23.96	23.83	23.81	1.00	24.70	23.96	23.83	23.81	1.00	24.70
		1	49	23.89	23.80	23.81	1.00	24.70	23.89	23.80	23.81	1.00	24.70
		25	0	23.06	22.94	22.87	2.00	23.70	23.06	22.94	22.87	2.00	23.70
		25	12	23.12	23.00	22.87	2.00	23.70	23.12	23.00	22.87	2.00	23.70
		25	25	23.07	22.98	22.89	2.00	23.70	23.07	22.98	22.89	2.00	23.70
		50	0	22.99	22.87	22.73	2.00	23.70	22.99	22.87	22.73	2.00	23.70
	64QAM	1	0	23.15	23.05	23.01	2.00	23.70	23.15	23.05	23.01	2.00	23.70
		1	25	23.14	23.01	23.02	2.00	23.70	23.14	23.01	23.02	2.00	23.70
		1	49	23.07	22.99	22.95	2.00	23.70	23.07	22.99	22.95	2.00	23.70
		25	0	22.04	21.97	21.88	3.00	22.70	22.04	21.97	21.88	3.00	22.70
		25	12	22.09	22.03	21.86	3.00	22.70	22.09	22.03	21.86	3.00	22.70
		25	25	22.04	21.98	21.92	3.00	22.70	22.04	21.98	21.92	3.00	22.70
		50	0	21.95	21.86	21.72	3.00	22.70	21.95	21.86	21.72	3.00	22.70
	256QAM	1	0	19.92	19.94	20.19	5.00	20.70	19.92	19.94	20.19	5.00	20.70
		1	25	20.10	19.95	20.14	5.00	20.70	20.10	19.95	20.14	5.00	20.70
		1	49	19.92	20.04	19.96	5.00	20.70	19.92	20.04	19.96	5.00	20.70
		25	0	19.97	20.16	20.06	5.00	20.70	19.97	20.16	20.06	5.00	20.70
		25	12	19.94	19.91	20.08	5.00	20.70	19.94	19.91	20.08	5.00	20.70
		25	25	20.10	19.91	19.95	5.00	20.70	20.10	19.91	19.95	5.00	20.70
		50	0	20.05	19.99	19.93	5.00	20.70	20.05	19.99	19.93	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				133147.00	133297.00	133447.00			133147.00	133297.00	133447.00		
				665.5 MHz	680.5 MHz	695.5 MHz			665.5 MHz	680.5 MHz	695.5 MHz		
5 MHz	QPSK	1	0	24.99	24.82	24.77	0.00	25.70	24.99	24.82	24.77	0.00	25.70
		1	12	25.00	24.86	24.80	0.00	25.70	25.00	24.86	24.80	0.00	25.70
		1	24	25.03	24.89	24.78	0.00	25.70	25.03	24.89	24.78	0.00	25.70
		12	0	23.90	23.88	23.81	1.00	24.70	23.90	23.88	23.81	1.00	24.70
		12	7	24.03	23.97	23.86	1.00	24.70	24.03	23.97	23.86	1.00	24.70
		12	13	23.98	23.95	23.81	1.00	24.70	23.98	23.95	23.81	1.00	24.70
		25	0	23.98	23.89	23.79	1.00	24.70	23.98	23.89	23.79	1.00	24.70
	16QAM	1	0	24.15	23.92	24.01	1.00	24.70	24.15	23.92	24.01	1.00	24.70
		1	12	24.07	24.07	24.01	1.00	24.70	24.07	24.07	24.01	1.00	24.70
		1	24	24.16	24.03	23.88	1.00	24.70	24.16	24.03	23.88	1.00	24.70
		12	0	22.97	22.87	22.86	2.00	23.70	22.97	22.87	22.86	2.00	23.70
		12	7	23.10	23.02	22.91	2.00	23.70	23.10	23.02	22.91	2.00	23.70
		12	13	23.08	22.96	22.87	2.00	23.70	23.08	22.96	22.87	2.00	23.70
		25	0	22.98	22.84	22.75	2.00	23.70	22.98	22.84	22.75	2.00	23.70
	64QAM	1	0	23.27	23.05	23.11	2.00	23.70	23.27	23.05	23.11	2.00	23.70
		1	12	23.30	23.19	23.15	2.00	23.70	23.30	23.19	23.15	2.00	23.70
		1	24	23.30	23.20	23.05	2.00	23.70	23.30	23.20	23.05	2.00	23.70
		12	0	22.00	21.90	21.89	3.00	22.70	22.00	21.90	21.89	3.00	22.70
		12	7	22.12	22.04	21.93	3.00	22.70	22.12	22.04	21.93	3.00	22.70
		12	13	22.10	22.01	21.92	3.00	22.70	22.10	22.01	21.92	3.00	22.70
		25	0	22.02	21.91	21.86	3.00	22.70	22.02	21.91	21.86	3.00	22.70
	256QAM	1	0	20.06	20.12	20.19	5.00	20.70	20.06	20.12	20.19	5.00	20.70
		1	12	20.15	20.09	20.17	5.00	20.70	20.15	20.09	20.17	5.00	20.70
		1	24	19.93	19.92	19.95	5.00	20.70	19.93	19.92	19.95	5.00	20.70
		12	0	19.96	19.96	20.12	5.00	20.70	19.96	19.96	20.12	5.00	20.70
		12	7	20.08	20.15	20.13	5.00	20.70	20.08	20.15	20.13	5.00	20.70
		12	13	19.97	20.15	20.12	5.00	20.70	19.97	20.15	20.12	5.00	20.70
		25	0	19.90	20.16	20.06	5.00	20.70	19.90	20.16	20.06	5.00	20.70

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LTE Band 71 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				133297	MPR	Tune-up Limit	133297	MPR	Tune-up Limit
				680.5 MHz			680.5 MHz		
20 MHz	QPSK	1	0	23.62	0.00	24.50	23.62	0.00	24.50
		1	49	24.00	0.00	24.50	24.00	0.00	24.50
		1	99	23.53	0.00	24.50	23.53	0.00	24.50
		50	0	22.63	1.00	23.50	22.63	1.00	23.50
		50	24	23.00	1.00	23.50	23.00	1.00	23.50
		50	50	22.60	1.00	23.50	22.60	1.00	23.50
		100	0	23.00	1.00	23.50	23.00	1.00	23.50
	16QAM	1	0	23.01	1.00	23.50	23.01	1.00	23.50
		1	49	22.91	1.00	23.50	22.91	1.00	23.50
		1	99	22.87	1.00	23.50	22.87	1.00	23.50
		50	0	21.64	2.00	22.50	21.64	2.00	22.50
		50	24	21.62	2.00	22.50	21.62	2.00	22.50
		50	50	21.57	2.00	22.50	21.57	2.00	22.50
		100	0	21.52	2.00	22.50	21.52	2.00	22.50
	64QAM	1	0	21.79	2.00	22.50	21.79	2.00	22.50
		1	49	21.82	2.00	22.50	21.82	2.00	22.50
		1	99	21.91	2.00	22.50	21.91	2.00	22.50
		50	0	20.68	3.00	21.50	20.68	3.00	21.50
		50	24	20.67	3.00	21.50	20.67	3.00	21.50
		50	50	20.65	3.00	21.50	20.65	3.00	21.50
		100	0	20.63	3.00	21.50	20.63	3.00	21.50
	256QAM	1	0	19.17	5.00	19.50	19.17	5.00	19.50
		1	49	19.11	5.00	19.50	19.11	5.00	19.50
		1	99	19.02	5.00	19.50	19.02	5.00	19.50
		50	0	19.16	5.00	19.50	19.16	5.00	19.50
		50	24	19.08	5.00	19.50	19.08	5.00	19.50
		50	50	18.92	5.00	19.50	18.92	5.00	19.50
		100	0	18.94	5.00	19.50	18.94	5.00	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				133297	MPR	Tune-up Limit	133297	MPR	Tune-up Limit
				680.5 MHz			680.5 MHz		
15 MHz	QPSK	1	0	23.59	0.00	24.50	23.59	0.00	24.50
		1	37	23.52	0.00	24.50	23.52	0.00	24.50
		1	74	23.51	0.00	24.50	23.51	0.00	24.50
		36	0	22.64	1.00	23.50	22.64	1.00	23.50
		36	20	22.62	1.00	23.50	22.62	1.00	23.50
		36	39	22.58	1.00	23.50	22.58	1.00	23.50
		75	0	22.57	1.00	23.50	22.57	1.00	23.50
	16QAM	1	0	22.55	1.00	23.50	22.55	1.00	23.50
		1	37	22.68	1.00	23.50	22.68	1.00	23.50
		1	74	23.10	1.00	23.50	23.10	1.00	23.50
		36	0	21.61	2.00	22.50	21.61	2.00	22.50
		36	20	21.61	2.00	22.50	21.61	2.00	22.50
		36	39	21.62	2.00	22.50	21.62	2.00	22.50
		75	0	21.67	2.00	22.50	21.67	2.00	22.50
	64QAM	1	0	22.11	2.00	22.50	22.11	2.00	22.50
		1	37	22.17	2.00	22.50	22.17	2.00	22.50
		1	74	22.22	2.00	22.50	22.22	2.00	22.50
		36	0	20.63	3.00	21.50	20.63	3.00	21.50
		36	20	20.67	3.00	21.50	20.67	3.00	21.50
		36	39	20.72	3.00	21.50	20.72	3.00	21.50
		75	0	20.67	3.00	21.50	20.67	3.00	21.50
	256QAM	1	0	19.00	5.00	19.50	19.00	5.00	19.50
		1	37	19.14	5.00	19.50	19.14	5.00	19.50
		1	74	19.12	5.00	19.50	19.12	5.00	19.50
		36	0	18.91	5.00	19.50	18.91	5.00	19.50
		36	20	19.01	5.00	19.50	19.01	5.00	19.50
		36	39	19.03	5.00	19.50	19.03	5.00	19.50
		75	0	19.09	5.00	19.50	19.09	5.00	19.50

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LTE Band 71 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				133172	133297	133422			133172	133297	133422		
				668 MHz	680.5 MHz	693 MHz			668 MHz	680.5 MHz	693 MHz		
10 MHz	QPSK	1	0	24.04	23.98	23.95	0.00	24.50	24.04	23.98	23.95	0.00	24.50
		1	25	24.01	23.99	23.92	0.00	24.50	24.01	23.99	23.92	0.00	24.50
		1	49	24.00	23.91	23.78	0.00	24.50	24.00	23.91	23.78	0.00	24.50
		25	0	23.13	22.64	22.59	1.00	23.50	23.13	22.64	22.59	1.00	23.50
		25	12	23.19	23.26	23.20	1.00	23.50	23.19	23.26	23.20	1.00	23.50
		25	25	23.14	23.26	23.23	1.00	23.50	23.14	23.26	23.23	1.00	23.50
		50	0	23.19	23.14	22.97	1.00	23.50	23.19	23.14	22.97	1.00	23.50
	16QAM	1	0	23.11	23.12	23.10	1.00	23.50	23.11	23.12	23.10	1.00	23.50
		1	25	23.04	23.08	23.01	1.00	23.50	23.04	23.08	23.01	1.00	23.50
		1	49	22.56	22.58	22.65	1.00	23.50	22.56	22.58	22.65	1.00	23.50
		25	0	22.35	22.35	22.28	2.00	22.50	22.35	22.35	22.28	2.00	22.50
		25	12	22.47	22.40	22.29	2.00	22.50	22.47	22.40	22.29	2.00	22.50
		25	25	22.25	22.21	22.14	2.00	22.50	22.25	22.21	22.14	2.00	22.50
		50	0	22.24	22.19	22.03	2.00	22.50	22.24	22.19	22.03	2.00	22.50
	64QAM	1	0	22.33	22.31	22.32	2.00	22.50	22.33	22.31	22.32	2.00	22.50
		1	25	22.34	22.31	22.25	2.00	22.50	22.34	22.31	22.25	2.00	22.50
		1	49	22.17	22.22	22.21	2.00	22.50	22.17	22.22	22.21	2.00	22.50
		25	0	20.93	21.22	21.12	3.00	21.50	20.93	21.22	21.12	3.00	21.50
		25	12	21.49	21.40	21.30	3.00	21.50	21.49	21.40	21.30	3.00	21.50
		25	25	21.23	21.21	21.13	3.00	21.50	21.23	21.21	21.13	3.00	21.50
		50	0	21.22	21.17	21.01	3.00	21.50	21.22	21.17	21.01	3.00	21.50
	256QAM	1	0	19.08	18.97	19.09	5.00	19.50	19.08	18.97	19.09	5.00	19.50
		1	25	19.03	19.17	19.06	5.00	19.50	19.03	19.17	19.06	5.00	19.50
		1	49	19.04	19.10	19.05	5.00	19.50	19.04	19.10	19.05	5.00	19.50
		25	0	19.05	19.16	19.06	5.00	19.50	19.05	19.16	19.06	5.00	19.50
		25	12	18.99	18.97	19.03	5.00	19.50	18.99	18.97	19.03	5.00	19.50
		25	25	19.07	19.15	19.07	5.00	19.50	19.07	19.15	19.07	5.00	19.50
		50	0	18.93	19.04	19.00	5.00	19.50	18.93	19.04	19.00	5.00	19.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				133147	133297	133447			133147	133297	133447		
				665.5 MHz	680.5 MHz	695.5 MHz			665.5 MHz	680.5 MHz	695.5 MHz		
5 MHz	QPSK	1	0	24.15	24.17	24.13	0.00	24.50	24.15	24.17	24.13	0.00	24.50
		1	12	24.10	24.12	23.96	0.00	24.50	24.10	24.12	23.96	0.00	24.50
		1	24	24.11	24.12	23.94	0.00	24.50	24.11	24.12	23.94	0.00	24.50
		12	0	23.15	23.13	23.06	1.00	23.50	23.15	23.13	23.06	1.00	23.50
		12	7	23.38	23.34	23.20	1.00	23.50	23.38	23.34	23.20	1.00	23.50
		12	13	23.33	23.31	23.16	1.00	23.50	23.33	23.31	23.16	1.00	23.50
		25	0	23.20	23.13	23.02	1.00	23.50	23.20	23.13	23.02	1.00	23.50
	16QAM	1	0	23.32	23.33	23.34	1.00	23.50	23.32	23.33	23.34	1.00	23.50
		1	12	23.10	23.25	23.22	1.00	23.50	23.10	23.25	23.22	1.00	23.50
		1	24	23.47	23.28	23.12	1.00	23.50	23.47	23.28	23.12	1.00	23.50
		12	0	22.49	22.48	22.43	2.00	22.50	22.49	22.48	22.43	2.00	22.50
		12	7	22.43	22.42	22.38	2.00	22.50	22.43	22.42	22.38	2.00	22.50
		12	13	22.23	22.19	22.00	2.00	22.50	22.23	22.19	22.00	2.00	22.50
		25	0	22.15	22.11	21.95	2.00	22.50	22.15	22.11	21.95	2.00	22.50
	64QAM	1	0	22.45	22.46	22.41	2.00	22.50	22.45	22.46	22.41	2.00	22.50
		1	12	22.36	22.44	22.30	2.00	22.50	22.36	22.44	22.30	2.00	22.50
		1	24	22.42	22.48	22.24	2.00	22.50	22.42	22.48	22.24	2.00	22.50
		12	0	21.26	21.27	21.01	3.00	21.50	21.26	21.27	21.01	3.00	21.50
		12	7	21.26	21.22	21.29	3.00	21.50	21.26	21.22	21.29	3.00	21.50
		12	13	21.23	21.21	21.05	3.00	21.50	21.23	21.21	21.05	3.00	21.50
		25	0	21.22	21.23	21.04	3.00	21.50	21.22	21.23	21.04	3.00	21.50
	256QAM	1	0	19.14	19.03	19.18	5.00	19.50	19.14	19.03	19.18	5.00	19.50
		1	12	19.01	18.96	18.91	5.00	19.50	19.01	18.96	18.91	5.00	19.50
		1	24	19.16	18.98	19.18	5.00	19.50	19.16	18.98	19.18	5.00	19.50
		12	0	19.19	19.03	19.08	5.00	19.50	19.19	19.03	19.08	5.00	19.50
		12	7	18.95	19.18	19.02	5.00	19.50	18.95	19.18	19.02	5.00	19.50
		12	13	19.00	19.05	19.03	5.00	19.50	19.00	19.05	19.03	5.00	19.50
		25	0	18.99	19.07	19.17	5.00	19.50	18.99	19.07	19.17	5.00	19.50

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9.5. LTE Up-Link Carrier Aggregation

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

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

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

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

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

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

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

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

Where M_A is defined as follows

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

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$3.83 – 0.83A$;$0.4 \le A \le 1$

and M_{IM5} is defined as follows

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

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

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

Where

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

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

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

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

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

MPR = CEIL{M_A, 0.5}

Where M_N is defined as follows

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

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

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

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

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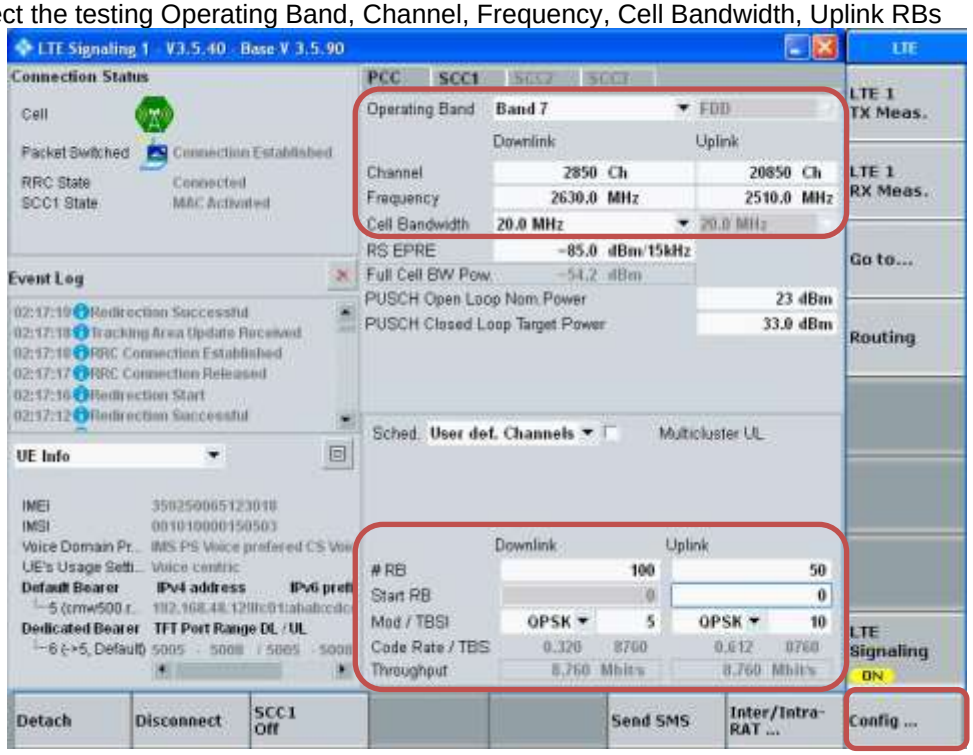
LTE Carrier Aggregation Test Signal Set-up Procedure

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

Set to CMW-500 with following parameters:

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

- Go to “Config….”

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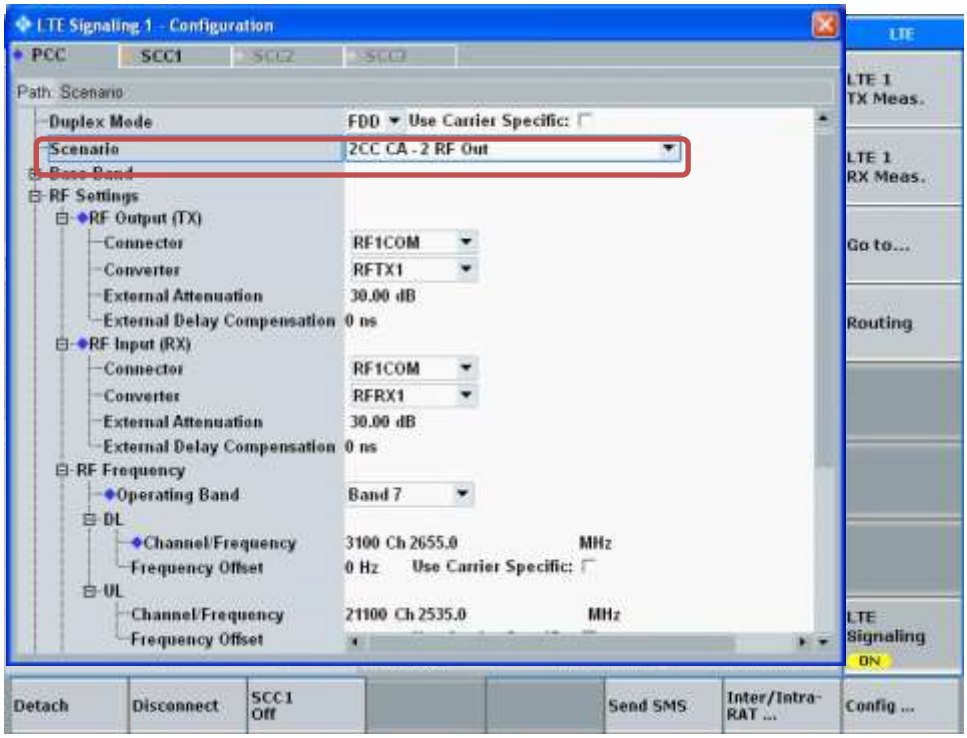
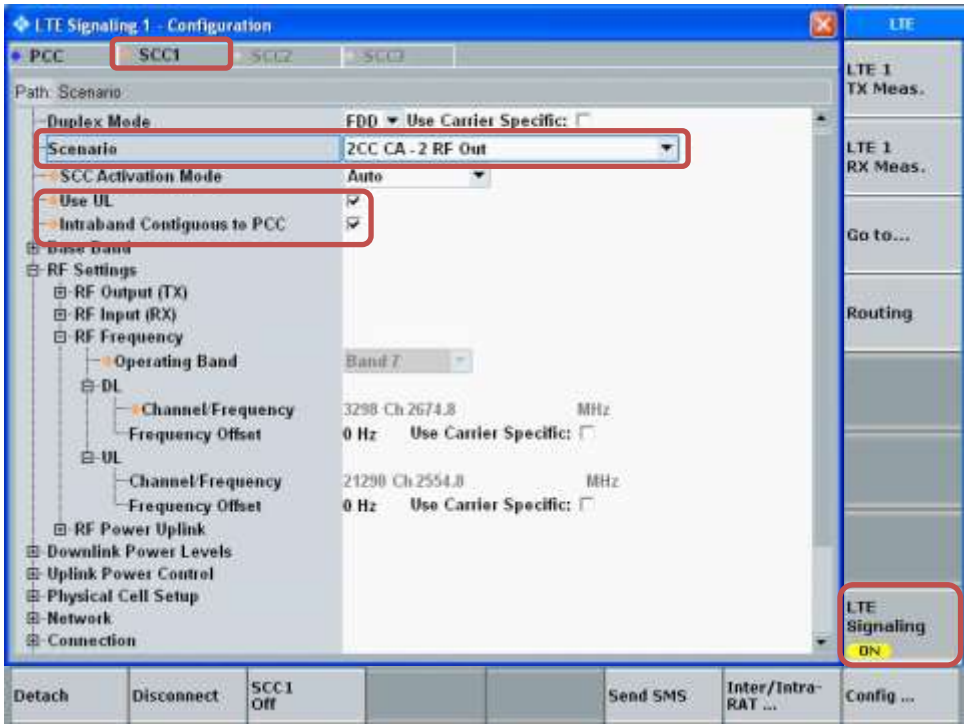
- Go to “Scenario”
- Set to “2CC CA – 2 RF Out”



- 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



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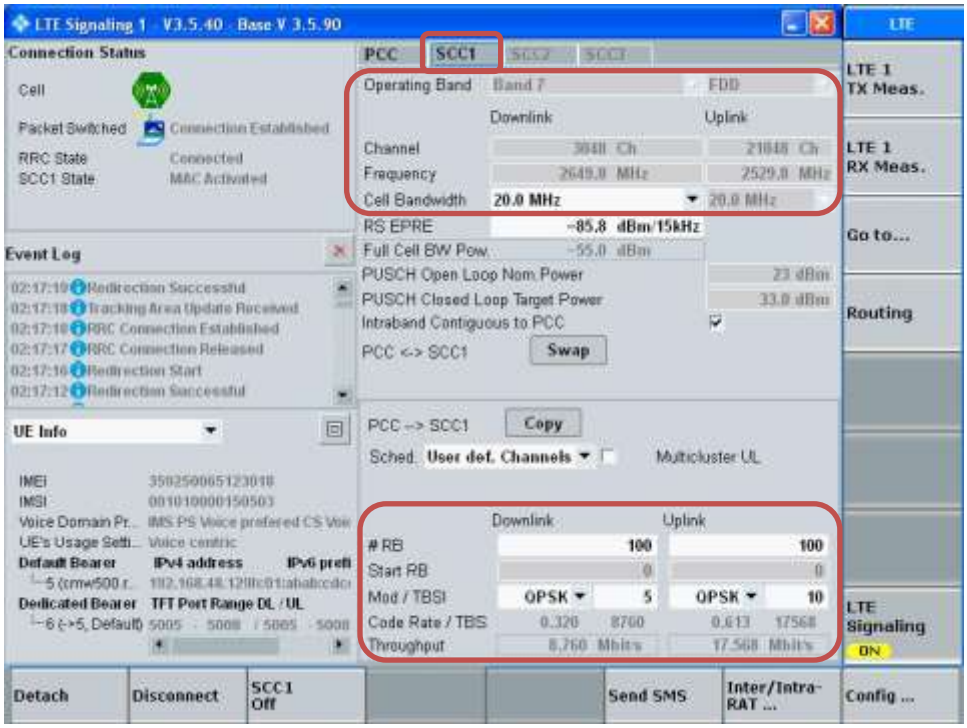
- Select “SCC1” tab
  - Select the testing Cell Bandwidth, Uplink RBs



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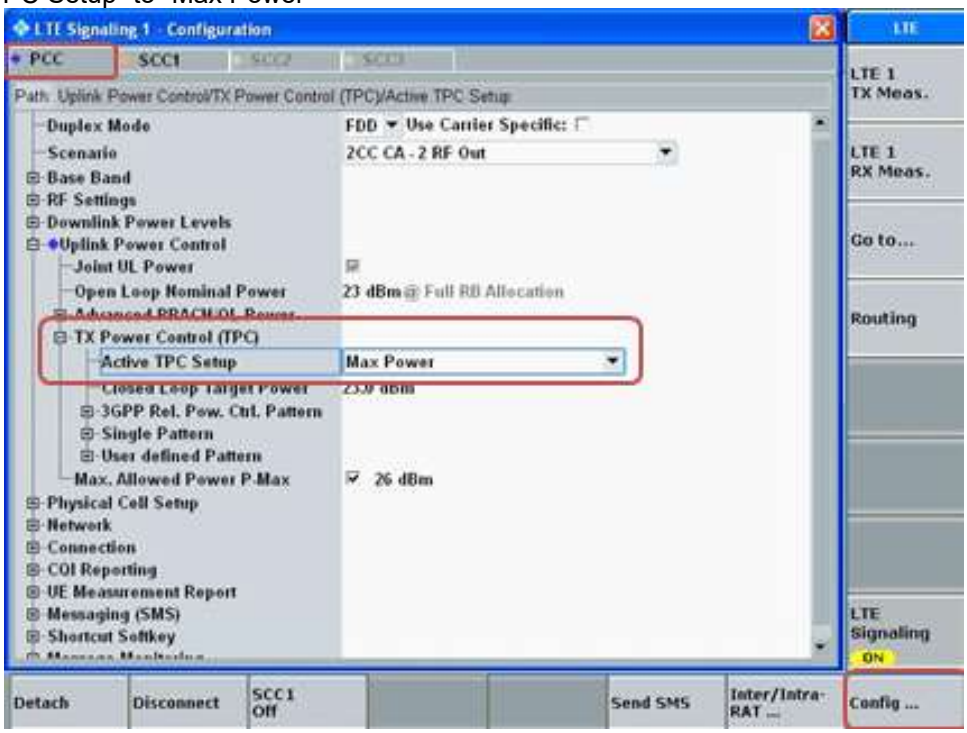
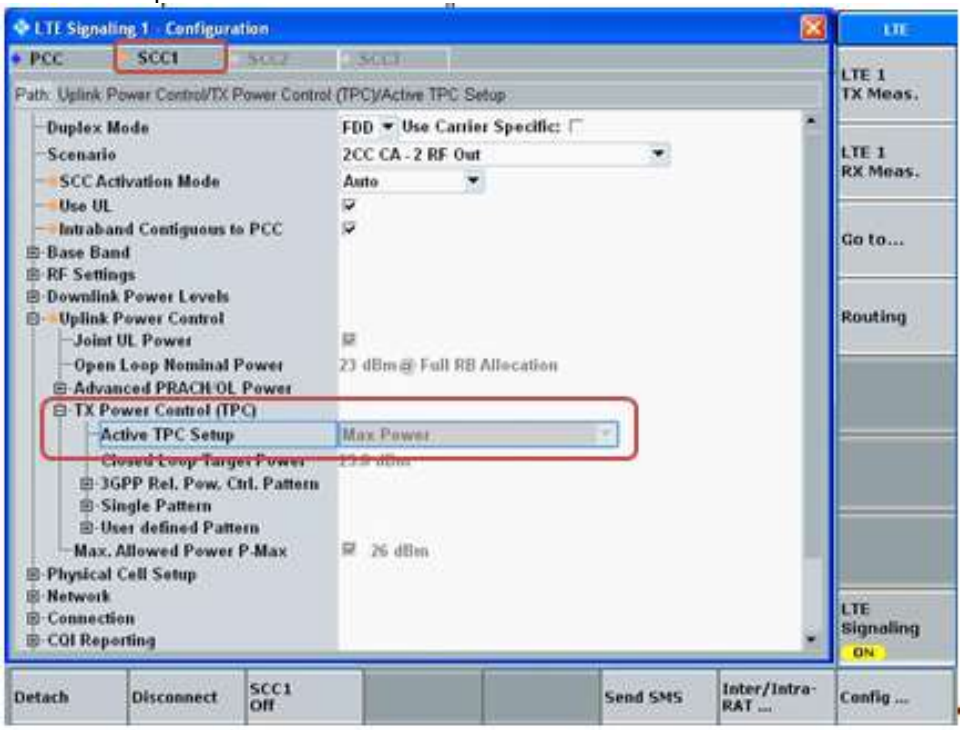
Max Power Setting

- 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”



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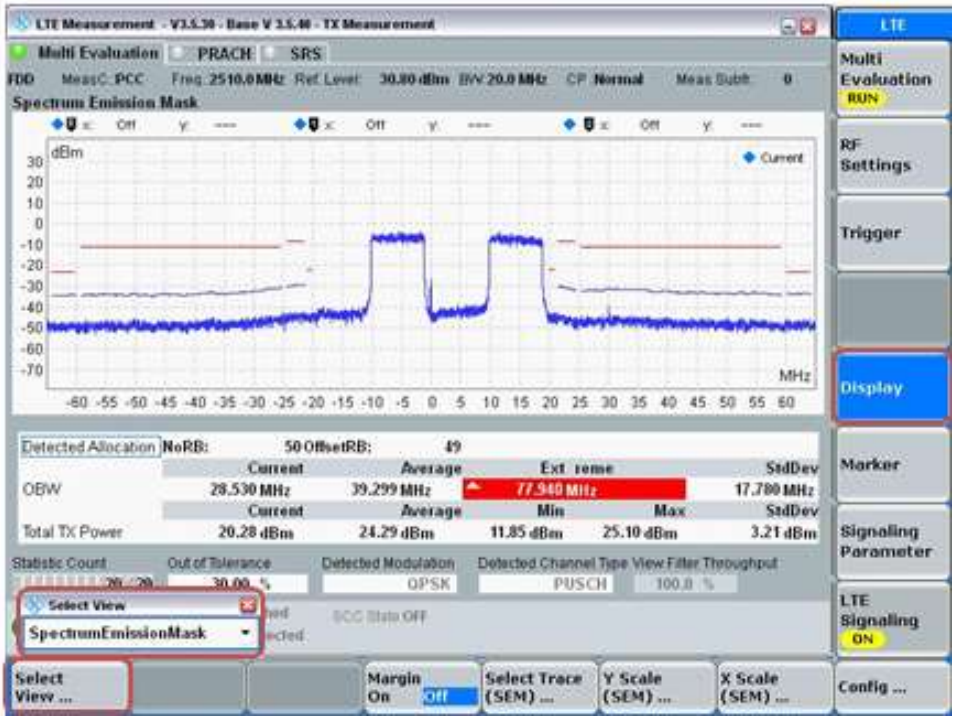
View TX Power

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



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LTE Intra-Band Contiguous Carrier Aggregation

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

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

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

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

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

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

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

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

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

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

LTE CA 5B Measured Results

UL CA Combination	Antenna	Power Mode	Modulation	PCC				SCC				Standalone Power		(PCC + SCC) UL CA Power		
				BW (MHz)	Freq	RB	Offset	BW (MHz)	Freq	RB	Offset	Tune-Up Limit (dBm)	UL CA Inactive (dBm)	Tune-Up Limit (dBm)	UL CA active (dBm)	Delta
CA_5B	ANT 1	Mode A	QPSK	10	831.6	1	49	5	841.5	1	0	25.70	25.00	25.70	24.90	-0.1
CA_5B	ANT 1	Mode B	QPSK	10	831.6	1	49	5	841.5	1	0	25.70	25.00	25.70	24.90	-0.1
CA_5B	ANT 2	Mode A	QPSK	10	831.6	1	49	5	841.5	1	0	24.50	24.00	24.50	23.80	-0.2
CA_5B	ANT 2	Mode B	QPSK	10	831.6	1	49	5	841.5	1	0	24.50	24.00	24.50	23.80	-0.2

Note(s):

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

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LTE CA_7C Measured Results

UL CA Combination	Antenna	Power Mode	Modulation	PCC				SCC				Standalone Power		(PCC + SCC) UL CA Power		
				BW (MHz)	Freq	RB	Offset	BW (MHz)	Freq	RB	Offset	Tune-Up Limit (dBm)	UL CA Inactive (dBm)	Tune-Up Limit (dBm)	UL CA active (dBm)	Delta
CA_7C	ANT 1	Mode A	QPSK	20	2525.1	1	99	20	2544.9	1	0	25.70	25.50	25.70	25.30	-0.2
CA_7C	ANT 1	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	19.50	19.50	19.50	19.50	0.0
CA_7C	ANT 1	Mode B	QPSK	20	2510	1	99	20	2529.8	1	0	19.50	19.50	19.50	19.50	0.0
CA_7C	ANT 2	Mode A	QPSK	20	2510	1	99	20	2529.8	1	0	16.50	16.35	16.50	16.10	-0.3
CA_7C	ANT 2	Mode B	QPSK	20	2540.2	1	99	20	2560	1	0	17.50	17.50	17.50	17.30	-0.2
CA_7C	ANT 3	Mode A	QPSK	20	2510	1	99	20	2529.8	1	0	23.00	23.00	23.00	22.94	-0.1
CA_7C	ANT 3	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	18.00	17.60	18.00	17.50	-0.1
CA_7C	ANT 3	Mode B	QPSK	20	2510.0	1	99	20	2529.8	1	0	18.00	17.90	18.00	17.80	-0.1
CA_7C	ANT 4	Mode A	QPSK	20	2510.0	1	99	20	2529.8	1	0	20.00	20.00	20.00	20.00	0.0
CA_7C	ANT 4	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	21.50	21.00	21.50	21.00	0.0
CA_7C	ANT 4	Mode B	QPSK	20	2540.2	1	99	20	2560	1	0	21.50	21.00	21.50	21.00	0.0

Note(s):

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

LTE CA_41C (PC3) Measured Results

UL CA Combination	Antenna	Power Mode	Modulation	PCC				SCC				Standalone Power		(PCC + SCC) UL CA Power		
				BW (MHz)	Freq	RB	Offset	BW (MHz)	Freq	RB	Offset	Tune-Up Limit (dBm)	UL CA Inactive (dBm)	Tune-Up Limit (dBm)	UL CA active (dBm)	Delta
CA_41C	ANT 1	Mode A	QPSK	20	2583.1	1	99	20	2602.9	1	0	25.70	25.50	25.70	25.50	0.0
CA_41C	ANT 1	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	22.00	22.00	22.00	21.89	-0.1
CA_41C	ANT 1	Mode B	QPSK	20	2506	1	99	20	2525.8	1	0	22.00	22.00	22.00	22.00	0.0
CA_41C	ANT 2	Mode A	QPSK	20	2660.2	1	99	20	2680	1	0	18.50	18.50	18.50	18.43	-0.1
CA_41C	ANT 2	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	19.75	19.75	19.75	19.52	-0.2
CA_41C	ANT 2	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	19.75	19.75	19.75	19.49	-0.3
CA_41C	ANT 3	Mode A	QPSK	20	2583.1	1	99	20	2602.9	1	0	24.70	24.60	24.70	24.70	0.1
CA_41C	ANT 3	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	20.00	19.50	20.00	19.43	-0.1
CA_41C	ANT 3	Mode B	QPSK	20	2506.0	1	99	20	2525.8	1	0	20.00	19.50	20.00	19.51	0.0
CA_41C	ANT 4	Mode A	QPSK	20	2660.2	1	99	20	2680.0	1	0	21.75	21.75	21.75	21.75	0.0
CA_41C	ANT 4	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	22.20	22.00	22.20	21.56	-0.4

Note(s):

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

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LTE CA_48C Measured Results

UL CA Combination	Antenna	Power Mode	Modulation	PCC				SCC				Standalone Power		(PCC + SCC) UL CA Power		
				BW (MHz)	Freq	RB	Offset	BW (MHz)	Freq	RB	Offset	Tune-Up Limit (dBm)	UL CA Inactive (dBm)	Tune-Up Limit (dBm)	UL CA active (dBm)	Delta
CA_48C	ANT 7	Mode A	QPSK	20	3615.1	1	99	20	3634.9	1	0	25.70	25.30	25.70	25.60	0.3
CA_48C	ANT 7	Mode B	QPSK	20	3615.1	1	99	20	3634.9	1	0	21.00	20.70	21.00	21.00	0.3
CA_48C	ANT 7	Mode B	QPSK	20	3615.1	1	99	20	3634.9	1	0	21.00	20.70	21.00	20.65	-0.1
CA_48C	ANT 8	Mode A	QPSK	20	3615.1	1	99	20	3634.9	1	0	19.50	19.50	19.50	19.40	-0.1
CA_48C	ANT 8	Mode B	QPSK	20	3560	1	99	20	3579.8	1	0	21.00	21.00	21.00	21.00	0.0
CA_48C	ANT 9	Mode A	QPSK	20	3615.1	1	99	20	3634.9	1	0	25.20	25.10	25.20	25.00	-0.1
CA_48C	ANT 9	Mode B	QPSK	20	3607.2	1	99	20	3690	1	0	22.50	22.30	22.50	22.20	-0.1
CA_48C	ANT 4	Mode A	QPSK	20	3615.1	1	99	20	3634.9	1	0	22.00	21.95	22.00	21.50	-0.4
CA_48C	ANT 4	Mode B	QPSK	20	3607.2	1	99	20	3690.0	1	0	20.00	19.95	20.00	19.70	-0.3
CA_48C	ANT 4	Mode B	QPSK	20	3615.1	1	99	20	3634.9	1	0	20.00	19.95	20.00	19.70	-0.3

Note(s):

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

LTE Inter-Band Carrier Aggregation

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

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

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

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

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UL CA inter-bands	RF Exposure Conditions	Antennna Ports				Standalone worst-case position				UL CA				
						Tune-up Limit (dBm)		Reported 1-g SAR (W/kg)		Tune-up Limit (-3dB) (dBm)		Reported 1-g SAR (W/kg)		
		CC1		CC2		CC1	CC2	CC1	CC2	CC1	CC2	CC1	CC2	CC1+CC2
CA_2A-5A	Head	ANT1	2A	ANT2	5A	25.70	24.50	0.280	0.706	22.70	21.50	0.140	0.354	**0.494**
		ANT2	2A	ANT1	5A	20.00	25.70	0.965	0.221	17.00	22.70	0.484	0.111	**0.594**
		ANT3	2A	ANT1	5A	24.70	25.70	0.363	0.221	21.70	22.70	0.182	0.111	**0.293**
		ANT3	2A	ANT2	5A	24.70	24.50	0.363	0.706	21.70	21.50	0.182	0.354	**0.536**
		ANT4	2A	ANT1	5A	19.00	25.70	0.994	0.221	16.00	22.70	0.498	0.111	**0.609**
		ANT4	2A	ANT2	5A	19.00	24.50	0.994	0.706	16.00	21.50	0.498	0.354	**0.852**
	Body	ANT1	2A	ANT2	5A	16.50	24.50	0.931	0.497	13.50	21.50	0.467	0.249	**0.716**
		ANT2	2A	ANT1	5A	20.25	25.70	0.910	0.664	17.25	22.70	0.456	0.333	**0.789**
		ANT3	2A	ANT1	5A	19.50	25.70	0.953	0.664	16.50	22.70	0.478	0.333	**0.810**
		ANT3	2A	ANT2	5A	19.50	24.50	0.953	0.497	16.50	21.50	0.478	0.249	**0.727**
		ANT4	2A	ANT1	5A	20.25	25.70	0.842	0.664	17.25	22.70	0.422	0.333	**0.755**
		ANT4	2A	ANT2	5A	20.25	24.50	0.842	0.497	17.25	21.50	0.422	0.249	**0.671**
CA_2A-12A	Head	ANT1	2A	ANT2	12A	25.70	23.90	0.280	0.571	22.70	20.90	0.140	0.286	**0.427**
		ANT2	2A	ANT1	12A	20.00	24.70	0.965	0.154	17.00	21.70	0.484	0.077	**0.561**
		ANT3	2A	ANT1	12A	24.70	24.70	0.363	0.154	21.70	21.70	0.182	0.077	**0.259**
		ANT3	2A	ANT2	12A	24.70	23.90	0.363	0.571	21.70	20.90	0.182	0.286	**0.468**
		ANT4	2A	ANT1	12A	19.00	24.70	0.994	0.154	16.00	21.70	0.498	0.077	**0.575**
		ANT4	2A	ANT2	12A	19.00	23.90	0.994	0.571	16.00	20.90	0.498	0.286	**0.784**
	Body	ANT1	2A	ANT2	12A	16.50	23.90	0.931	0.500	13.50	20.90	0.467	0.251	**0.717**
		ANT2	2A	ANT1	12A	20.25	25.70	0.910	0.741	17.25	22.70	0.456	0.371	**0.827**
		ANT3	2A	ANT1	12A	19.50	25.70	0.953	0.741	16.50	22.70	0.478	0.371	**0.849**
		ANT3	2A	ANT2	12A	19.50	23.90	0.953	0.500	16.50	20.90	0.478	0.251	**0.728**
		ANT4	2A	ANT1	12A	20.25	25.70	0.842	0.741	17.25	22.70	0.422	0.371	**0.793**
		ANT4	2A	ANT2	12A	20.25	23.90	0.842	0.500	17.25	20.90	0.422	0.251	**0.673**
CA_2A-13A	Head	ANT1	2A	ANT2	13A	25.70	23.90	0.280	0.594	22.70	20.90	0.140	0.298	**0.438**
		ANT2	2A	ANT1	13A	20.00	25.20	0.965	0.229	17.00	22.20	0.484	0.115	**0.598**
		ANT3	2A	ANT1	13A	24.70	25.20	0.363	0.229	21.70	22.20	0.182	0.115	**0.297**
		ANT3	2A	ANT2	13A	24.70	23.90	0.363	0.594	21.70	20.90	0.182	0.298	**0.480**
		ANT4	2A	ANT1	13A	19.00	25.20	0.994	0.229	16.00	22.20	0.498	0.115	**0.613**
		ANT4	2A	ANT2	13A	19.00	23.90	0.994	0.594	16.00	20.90	0.498	0.298	**0.796**
	Body	ANT1	2A	ANT2	13A	16.50	23.90	0.931	0.419	13.50	20.90	0.467	0.210	**0.677**
		ANT2	2A	ANT1	13A	20.25	25.70	0.910	0.637	17.25	22.70	0.456	0.319	**0.775**
		ANT3	2A	ANT1	13A	19.50	25.70	0.953	0.637	16.50	22.70	0.478	0.319	**0.797**
		ANT3	2A	ANT2	13A	19.50	23.90	0.953	0.419	16.50	20.90	0.478	0.210	**0.688**
		ANT4	2A	ANT1	13A	20.25	25.70	0.842	0.637	17.25	22.70	0.422	0.319	**0.741**
		ANT4	2A	ANT2	13A	20.25	23.90	0.842	0.419	17.25	20.90	0.422	0.210	**0.632**
CA_4A-5A	Head	ANT1	4A	ANT2	5A	25.70	24.50	0.302	0.706	22.70	21.50	0.151	0.354	**0.505**
		ANT2	4A	ANT1	5A	19.00	25.70	0.956	0.221	16.00	22.70	0.479	0.111	**0.590**
		ANT3	4A	ANT1	5A	24.70	25.70	0.367	0.221	21.70	22.70	0.184	0.111	**0.295**
		ANT3	4A	ANT2	5A	24.70	24.50	0.367	0.706	21.70	21.50	0.184	0.354	**0.538**
		ANT4	4A	ANT1	5A	20.00	25.70	0.961	0.221	17.00	22.70	0.482	0.111	**0.592**
		ANT4	4A	ANT2	5A	20.00	24.50	0.961	0.706	17.00	21.50	0.482	0.354	**0.835**
	Body	ANT1	4A	ANT2	5A	17.00	24.50	0.936	0.497	14.00	21.50	0.469	0.249	**0.718**
		ANT2	4A	ANT1	5A	17.25	25.70	0.982	0.664	14.25	22.70	0.492	0.333	**0.825**
		ANT3	4A	ANT1	5A	21.25	25.70	0.945	0.664	18.25	22.70	0.474	0.333	**0.806**
		ANT3	4A	ANT2	5A	21.25	24.50	0.945	0.497	18.25	21.50	0.474	0.249	**0.723**
		ANT4	4A	ANT1	5A	21.00	25.70	0.978	0.664	18.00	22.70	0.490	0.333	**0.823**
		ANT4	4A	ANT2	5A	21.00	24.50	0.978	0.497	18.00	21.50	0.490	0.249	**0.739**
CA_4A-12A	Head	ANT1	4A	ANT2	12A	25.70	23.90	0.302	0.571	22.70	20.90	0.151	0.286	**0.438**
		ANT2	4A	ANT1	12A	19.00	24.70	0.956	0.154	16.00	21.70	0.479	0.077	**0.556**
		ANT3	4A	ANT1	12A	24.70	24.70	0.367	0.154	21.70	21.70	0.184	0.077	**0.261**
		ANT3	4A	ANT2	12A	24.70	23.90	0.367	0.571	21.70	20.90	0.184	0.286	**0.470**
		ANT4	4A	ANT1	12A	20.00	24.70	0.961	0.154	17.00	21.70	0.482	0.077	**0.559**
		ANT4	4A	ANT2	12A	20.00	23.90	0.961	0.571	17.00	20.90	0.482	0.286	**0.768**
	Body	ANT1	4A	ANT2	12A	17.00	23.90	0.936	0.500	14.00	20.90	0.469	0.251	**0.720**
		ANT2	4A	ANT1	12A	17.25	25.70	0.982	0.741	14.25	22.70	0.492	0.371	**0.864**
		ANT3	4A	ANT1	12A	21.25	25.70	0.945	0.741	18.25	22.70	0.474	0.371	**0.845**
		ANT3	4A	ANT2	12A	21.25	23.90	0.945	0.500	18.25	20.90	0.474	0.251	**0.724**
		ANT4	4A	ANT1	12A	21.00	25.70	0.978	0.741	18.00	22.70	0.490	0.371	**0.862**
		ANT4	4A	ANT2	12A	21.00	23.90	0.978	0.500	18.00	20.90	0.490	0.251	**0.741**

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UL CA inter-bands	RF Exposure Conditions	Antennna Ports				Standalone worst-case position				UL CA				
						Tune-up Limit (dBm)		Reported 1-g SAR (W/kg)		Tune-up Limit (-3dB) (dBm)		Reported 1-g SAR (W/kg)		
		CC1		CC2		CC1	CC2	CC1	CC2	CC1	CC2	CC1	CC2	CC1+CC2
CA_4A-13A	Head	ANT1	4A	ANT2	13A	25.70	23.90	0.302	0.594	22.70	20.90	0.151	0.298	**0.449**
		ANT2	4A	ANT1	13A	19.00	25.20	0.956	0.229	16.00	22.20	0.479	0.115	**0.594**
		ANT3	4A	ANT1	13A	24.70	25.20	0.367	0.229	21.70	22.20	0.184	0.115	**0.299**
		ANT3	4A	ANT2	13A	24.70	23.90	0.367	0.594	21.70	20.90	0.184	0.298	**0.482**
		ANT4	4A	ANT1	13A	20.00	25.20	0.961	0.229	17.00	22.20	0.482	0.115	**0.596**
		ANT4	4A	ANT2	13A	20.00	23.90	0.961	0.594	17.00	20.90	0.482	0.298	**0.779**
	Body	ANT1	4A	ANT2	13A	17.00	23.90	0.936	0.419	14.00	20.90	0.469	0.210	**0.679**
		ANT2	4A	ANT1	13A	17.25	25.70	0.982	0.637	14.25	22.70	0.492	0.319	**0.811**
		ANT3	4A	ANT1	13A	21.25	25.70	0.945	0.637	18.25	22.70	0.474	0.319	**0.793**
		ANT3	4A	ANT2	13A	21.25	23.90	0.945	0.419	18.25	20.90	0.474	0.210	**0.684**
		ANT4	4A	ANT1	13A	21.00	25.70	0.978	0.637	18.00	22.70	0.490	0.319	**0.809**
		ANT4	4A	ANT2	13A	21.00	23.90	0.978	0.419	18.00	20.90	0.490	0.210	**0.700**
CA_5A-7A	Head	ANT1	5A	ANT2	7A	25.70	16.50	0.210	0.948	22.70	13.50	0.105	0.475	**0.580**
		ANT1	5A	ANT3	7A	25.70	23.00	0.210	0.958	22.70	20.00	0.105	0.480	**0.585**
		ANT1	5A	ANT4	7A	25.70	20.00	0.210	0.971	22.70	17.00	0.105	0.487	**0.592**
		ANT2	5A	ANT1	7A	24.50	25.70	0.760	0.354	21.50	22.70	0.381	0.177	**0.558**
		ANT2	5A	ANT3	7A	24.50	23.00	0.760	0.958	21.50	20.00	0.381	0.480	**0.861**
		ANT2	5A	ANT4	7A	24.50	20.00	0.760	0.971	21.50	17.00	0.381	0.487	**0.868**
	Body	ANT1	5A	ANT2	7A	25.70	17.50	0.610	0.988	22.70	14.50	0.306	0.495	**0.801**
		ANT1	5A	ANT3	7A	25.70	18.00	0.610	0.997	22.70	15.00	0.306	0.500	**0.805**
		ANT1	5A	ANT4	7A	25.70	21.50	0.610	0.991	22.70	18.50	0.306	0.497	**0.802**
		ANT2	5A	ANT1	7A	24.50	19.50	0.487	0.990	21.50	16.50	0.244	0.496	**0.740**
		ANT2	5A	ANT3	7A	24.50	18.00	0.487	0.997	21.50	15.00	0.244	0.500	**0.744**
		ANT2	5A	ANT4	7A	24.50	21.50	0.487	0.991	21.50	18.50	0.244	0.497	**0.741**
CA_5A-66A	Head	ANT1	5A	ANT2	66A	25.70	19.00	0.210	0.956	22.70	16.00	0.105	0.479	**0.584**
		ANT1	5A	ANT3	66A	25.70	24.70	0.210	0.367	22.70	21.70	0.105	0.184	**0.289**
		ANT1	5A	ANT4	66A	25.70	20.00	0.210	0.961	22.70	17.00	0.105	0.482	**0.587**
		ANT2	5A	ANT1	66A	24.50	25.70	0.760	0.302	21.50	22.70	0.381	0.151	**0.532**
		ANT2	5A	ANT3	66A	24.50	24.70	0.760	0.367	21.50	21.70	0.381	0.184	**0.565**
		ANT2	5A	ANT4	66A	24.50	20.00	0.760	0.961	21.50	17.00	0.381	0.482	**0.863**
	Body	ANT1	5A	ANT2	66A	25.70	17.25	0.610	0.982	22.70	14.25	0.306	0.492	**0.798**
		ANT1	5A	ANT3	66A	25.70	21.25	0.610	0.945	22.70	18.25	0.306	0.474	**0.779**
		ANT1	5A	ANT4	66A	25.70	21.00	0.610	0.978	22.70	18.00	0.306	0.490	**0.796**
		ANT2	5A	ANT1	66A	24.50	17.00	0.487	0.936	21.50	14.00	0.244	0.469	**0.713**
		ANT2	5A	ANT3	66A	24.50	21.25	0.487	0.945	21.50	18.25	0.244	0.474	**0.718**
		ANT2	5A	ANT4	66A	24.50	21.00	0.487	0.978	21.50	18.00	0.244	0.490	**0.734**
CA_12A-66A	Head	ANT1	12A	ANT2	66A	24.70	19.00	0.154	0.956	21.70	16.00	0.077	0.479	**0.556**
		ANT1	12A	ANT3	66A	24.70	24.70	0.154	0.367	21.70	21.70	0.077	0.184	**0.261**
		ANT1	12A	ANT4	66A	24.70	20.00	0.154	0.961	21.70	17.00	0.077	0.482	**0.559**
		ANT2	12A	ANT1	66A	23.90	25.70	0.571	0.302	20.90	22.70	0.286	0.151	**0.438**
		ANT2	12A	ANT3	66A	23.90	24.70	0.571	0.367	20.90	21.70	0.286	0.184	**0.470**
		ANT2	12A	ANT4	66A	23.90	20.00	0.571	0.961	20.90	17.00	0.286	0.482	**0.768**
	Body	ANT1	12A	ANT2	66A	25.70	17.25	0.741	0.982	22.70	14.25	0.371	0.492	**0.864**
		ANT1	12A	ANT3	66A	25.70	21.25	0.741	0.945	22.70	18.25	0.371	0.474	**0.845**
		ANT1	12A	ANT4	66A	25.70	21.00	0.741	0.978	22.70	18.00	0.371	0.490	**0.862**
		ANT2	12A	ANT1	66A	23.90	17.00	0.500	0.936	20.90	14.00	0.251	0.469	**0.720**
		ANT2	12A	ANT3	66A	23.90	21.25	0.500	0.945	20.90	18.25	0.251	0.474	**0.724**
		ANT2	12A	ANT4	66A	23.90	21.00	0.500	0.978	20.90	18.00	0.251	0.490	**0.741**
CA_13A-66A	Head	ANT1	13A	ANT2	66A	25.20	19.00	0.229	0.956	22.20	16.00	0.115	0.479	**0.594**
		ANT1	13A	ANT3	66A	25.20	24.70	0.229	0.367	22.20	21.70	0.115	0.184	**0.299**
		ANT1	13A	ANT4	66A	25.20	20.00	0.229	0.961	22.20	17.00	0.115	0.482	**0.596**
		ANT2	13A	ANT1	66A	23.90	25.70	0.594	0.302	20.90	22.70	0.298	0.151	**0.449**
		ANT2	13A	ANT3	66A	23.90	24.70	0.594	0.367	20.90	21.70	0.298	0.184	**0.482**
		ANT2	13A	ANT4	66A	23.90	20.00	0.594	0.961	20.90	17.00	0.298	0.482	**0.779**
	Body	ANT1	13A	ANT2	66A	25.70	17.25	0.637	0.982	22.70	14.25	0.319	0.492	**0.811**
		ANT1	13A	ANT3	66A	25.70	21.25	0.637	0.945	22.70	18.25	0.319	0.474	**0.793**
		ANT1	13A	ANT4	66A	25.70	21.00	0.637	0.978	22.70	18.00	0.319	0.490	**0.809**
		ANT2	13A	ANT1	66A	23.90	17.00	0.419	0.936	20.90	14.00	0.210	0.469	**0.679**
		ANT2	13A	ANT3	66A	23.90	21.25	0.419	0.945	20.90	18.25	0.210	0.474	**0.684**
		ANT2	13A	ANT4	66A	23.90	21.00	0.419	0.978	20.90	18.00	0.210	0.490	**0.700**

Conclusion:

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

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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.

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9.7. 5G NR(FR1)

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

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

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

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

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

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

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

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

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

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

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

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

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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 ≤ the larger band to qualify for the SAR test exclusion.
d) The channel bandwidth and other operating parameters for the smaller band must be fully supported by the larger band.

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

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

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

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

RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
NR n2	QPSK	25.70	16.50	20.00	20.25	24.70	19.50	19.00	20.25
NR n5	QPSK	25.70	25.70	24.50	24.50				
NR n12	QPSK	25.70	25.70	23.90	23.90				
NR n25	QPSK	25.70	16.50	20.00	20.25	24.70	19.50	19.00	20.25
NR n41 (PC3)	QPSK	25.70	20.25	16.50	17.75	24.25	18.00	19.75	20.75
NR n41 (PC2)	QPSK	26.70	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NR n66	QPSK	25.70	17.00	18.50	17.25	24.70	21.25	20.00	21.00
NR n71	QPSK	25.70	25.70	24.50	24.50				
RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT7		ANT8		ANT9		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
NR n77	QPSK	25.70	18.25	20.00	17.50	25.20	19.50	17.50	18.00

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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	[redacted]	24.99	[redacted]	0.0	25.70	[redacted]	24.99	[redacted]	0.0	25.70
		QPSK	1	1		25.06		0.0	25.70		25.06		0.0	25.70
			1	53		25.70		0.0	25.70		25.70		0.0	25.70
			1	104		25.06		0.0	25.70		25.06		0.0	25.70
			50	0		23.97		1.0	24.70		23.97		1.0	24.70
			50	28		25.70		0.0	25.70		25.70		0.0	25.70
			50	56		24.02		1.0	24.70		24.02		1.0	24.70
			100	0		23.96		1.0	24.70		23.96		1.0	24.70
		16QAM	1	1		24.00		1.0	24.70		24.00		1.0	24.70
		64QAM	1	1		22.45		2.5	23.20		22.45		2.5	23.20
		256QAM	1	1		20.64		4.5	21.20		20.64		4.5	21.20
	CP-OFDM	QPSK	1	1		23.52		1.5	24.20		23.52		1.5	24.20
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					166300	167300	168300	MPR	Tune-up Limit	166300	167300	168300	MPR	Tune-up Limit
					831.5 MHz	836.6 MHz	841.5 MHz			831.5 MHz	836.6 MHz	841.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	[redacted]	24.92	[redacted]	0.0	25.70	[redacted]	24.92	[redacted]	0.0	25.70
		QPSK	1	1		25.09		0.0	25.70		25.09		0.0	25.70
			1	40		25.01		0.0	25.70		25.01		0.0	25.70
			1	77		24.94		0.0	25.70		24.94		0.0	25.70
			36	0		24.18		1.0	24.70		24.18		1.0	24.70
			36	22		25.16		0.0	25.70		25.16		0.0	25.70
			36	43		24.07		1.0	24.70		24.07		1.0	24.70
			75	0		23.94		1.0	24.70		23.94		1.0	24.70
		16QAM	1	1		24.00		1.0	24.70		24.00		1.0	24.70
		64QAM	1	1		22.70		2.5	23.20		22.70		2.5	23.20
		256QAM	1	1		20.52		4.5	21.20		20.52		4.5	21.20
	CP-OFDM	QPSK	1	1		23.41		1.5	24.20		23.41		1.5	24.20
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					165800	167300	168800	MPR	Tune-up Limit	165800	167300	168800	MPR	Tune-up Limit
					829 MHz	836.6 MHz	844 MHz			829 MHz	836.6 MHz	844 MHz		
10 MHz	DFS-s OFDM	PI/2 BPSK	1	1	[redacted]	25.05	[redacted]	0.0	25.70	[redacted]	25.05	[redacted]	0.0	25.70
		QPSK	1	1		25.16		0.0	25.70		25.16		0.0	25.70
			1	26		24.97		0.0	25.70		24.97		0.0	25.70
			1	50		25.16		0.0	25.70		25.16		0.0	25.70
			25	0		24.04		1.0	24.70		24.04		1.0	24.70
			25	14		25.00		0.0	25.70		25.00		0.0	25.70
			25	27		24.00		1.0	24.70		24.00		1.0	24.70
			50	0		23.96		1.0	24.70		23.96		1.0	24.70
		16QAM	1	1		24.16		1.0	24.70		24.16		1.0	24.70
		64QAM	1	1		22.41		2.5	23.20		22.41		2.5	23.20
		256QAM	1	1		20.53		4.5	21.20		20.53		4.5	21.20
	CP-OFDM	QPSK	1	1		23.47		1.5	24.20		23.47		1.5	24.20
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					165300	167300	169300	MPR	Tune-up Limit	165300	167300	169300	MPR	Tune-up Limit
					826.5 MHz	836.6 MHz	846.5 MHz			826.5 MHz	836.6 MHz	846.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.97	25.15	25.03	0.0	25.70	24.97	25.15	25.03	0.0	25.70
		QPSK	1	1	24.91	24.97	25.14	0.0	25.70	24.91	24.97	25.14	0.0	25.70
			1	13	25.11	25.11	25.07	0.0	25.70	25.11	25.11	25.07	0.0	25.70
			1	23	25.11	25.06	25.15	0.0	25.70	25.11	25.06	25.15	0.0	25.70
			12	0	24.12	23.97	24.12	1.0	24.70	24.12	23.97	24.12	1.0	24.70
			12	7	25.08	25.18	25.12	0.0	25.70	25.08	25.18	25.12	0.0	25.70
			12	13	24.04	24.07	24.14	1.0	24.70	24.04	24.07	24.14	1.0	24.70
			25	0	23.93	24.10	23.99	1.0	24.70	23.93	24.10	23.99	1.0	24.70
		16QAM	1	1	24.00	24.05	23.97	1.0	24.70	24.00	24.05	23.97	1.0	24.70
		64QAM	1	1	22.54	22.55	22.56	2.5	23.20	22.54	22.55	22.56	2.5	23.20
		256QAM	1	1	20.45	20.51	20.52	4.5	21.20	20.45	20.51	20.52	4.5	21.20
	CP-OFDM	QPSK	1	1	23.53	23.62	23.57	1.5	24.20	23.53	23.62	23.57	1.5	24.20

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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	[redacted]	24.47	[redacted]	0.0	24.50	[redacted]	24.47	[redacted]	0.0	24.50
		QPSK	1	1		24.47		0.0	24.50		24.47		0.0	24.50
			1	53		24.50		0.0	24.50		24.50		0.0	24.50
			1	104		24.34		0.0	24.50		24.34		0.0	24.50
			50	0		23.36		1.0	23.50		23.36		1.0	23.50
			50	28		24.50		0.0	24.50		24.50		0.0	24.50
			50	56		23.48		1.0	23.50		23.48		1.0	23.50
			100	0		23.35		1.0	23.50		23.35		1.0	23.50
		16QAM	1	1		23.28		1.0	23.50		23.28		1.0	23.50
		64QAM	1	1		21.78		2.5	22.00		21.78		2.5	22.00
		256QAM	1	1		19.80		4.5	20.00		19.80		4.5	20.00
	CP-OFDM	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)				
					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	[redacted]	24.38	[redacted]	0.0	24.50	[redacted]	24.38	[redacted]	0.0	24.50
		QPSK	1	1		24.31		0.0	24.50		24.31		0.0	24.50
			1	40		24.26		0.0	24.50		24.26		0.0	24.50
			1	77		24.48		0.0	24.50		24.48		0.0	24.50
			36	0		23.46		1.0	23.50		23.46		1.0	23.50
			36	22		24.29		0.0	24.50		24.29		0.0	24.50
			36	43		23.26		1.0	23.50		23.26		1.0	23.50
			75	0		23.28		1.0	23.50		23.28		1.0	23.50
		16QAM	1	1		23.49		1.0	23.50		23.49		1.0	23.50
		64QAM	1	1		21.83		2.5	22.00		21.83		2.5	22.00
		256QAM	1	1		19.88		4.5	20.00		19.88		4.5	20.00
	CP-OFDM	QPSK	1	1		22.79		1.5	23.00		22.79		1.5	23.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					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	[redacted]	24.40	[redacted]	0.0	24.50	[redacted]	24.40	[redacted]	0.0	24.50
		QPSK	1	1		24.36		0.0	24.50		24.36		0.0	24.50
			1	26		24.44		0.0	24.50		24.44		0.0	24.50
			1	50		24.45		0.0	24.50		24.45		0.0	24.50
			25	0		23.31		1.0	23.50		23.31		1.0	23.50
			25	14		24.27		0.0	24.50		24.27		0.0	24.50
			25	27		23.38		1.0	23.50		23.38		1.0	23.50
			50	0		23.35		1.0	23.50		23.35		1.0	23.50
		16QAM	1	1		23.26		1.0	23.50		23.26		1.0	23.50
		64QAM	1	1		21.82		2.5	22.00		21.82		2.5	22.00
		256QAM	1	1		19.80		4.5	20.00		19.80		4.5	20.00
	CP-OFDM	QPSK	1	1		22.99		1.5	23.00		22.99		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	24.24	24.37	24.30	0.0	24.50	24.24	24.37	24.30	0.0	24.50
		QPSK	1	1	24.25	24.41	24.34	0.0	24.50	24.25	24.41	24.34	0.0	24.50
			1	13	24.45	24.31	24.46	0.0	24.50	24.45	24.31	24.46	0.0	24.50
			1	23	24.33	24.42	24.21	0.0	24.50	24.33	24.42	24.21	0.0	24.50
			12	0	23.31	23.45	23.20	1.0	23.50	23.31	23.45	23.20	1.0	23.50
			12	7	24.30	24.46	24.40	0.0	24.50	24.30	24.46	24.40	0.0	24.50
			12	13	23.45	23.48	23.45	1.0	23.50	23.45	23.48	23.45	1.0	23.50
			25	0	23.38	23.38	23.33	1.0	23.50	23.38	23.38	23.33	1.0	23.50
		16QAM	1	1	23.39	23.39	23.43	1.0	23.50	23.39	23.39	23.43	1.0	23.50
		64QAM	1	1	21.91	21.82	21.76	2.5	22.00	21.91	21.82	21.76	2.5	22.00
		256QAM	1	1	19.91	19.88	19.77	4.5	20.00	19.91	19.88	19.77	4.5	20.00
	CP-OFDM	QPSK	1	1	22.82	22.85	22.84	1.5	23.00	22.82	22.85	22.84	1.5	23.00

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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		25.15		0.0	25.70		25.15		0.0	25.70
		QPSK	1	1		24.98		0.0	25.70		24.98		0.0	25.70
			1	40		25.70		0.0	25.70		25.70		0.0	25.70
			1	77		25.15		0.0	25.70		25.15		0.0	25.70
			36	0		24.00		1.0	24.70		24.00		1.0	24.70
			36	22		25.70		0.0	25.70		25.70		0.0	25.70
			36	43		24.02		1.0	24.70		24.02		1.0	24.70
			75	0		24.13		1.0	24.70		24.13		1.0	24.70
		16QAM	1	1		24.02		1.0	24.70		24.02		1.0	24.70
		64QAM	1	1		22.59		2.5	23.20		22.59		2.5	23.20
		256QAM	1	1		20.66		4.5	21.20		20.66		4.5	21.20
	CP-OFDM	QPSK	1	1		23.55		1.5	24.20		23.55		1.5	24.20
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					140800	141500	142200	MPR	Tune-up Limit	140800	141500	142200	MPR	Tune-up Limit
					704 MHz	707.5 MHz	711 MHz			704 MHz	707.5 MHz	711 MHz		
10 MHz	DFS-s OFDM	PI/2 BPSK	1	1		25.17		0.0	25.70		25.17		0.0	25.70
		QPSK	1	1		24.98		0.0	25.70		24.98		0.0	25.70
			1	26		25.05		0.0	25.70		25.05		0.0	25.70
			1	50		24.90		0.0	25.70		24.90		0.0	25.70
			25	0		24.13		1.0	24.70		24.13		1.0	24.70
			25	14		24.92		0.0	25.70		24.92		0.0	25.70
			25	27		24.14		1.0	24.70		24.14		1.0	24.70
			50	0		23.99		1.0	24.70		23.99		1.0	24.70
		16QAM	1	1		24.08		1.0	24.70		24.08		1.0	24.70
		64QAM	1	1		22.61		2.5	23.20		22.61		2.5	23.20
		256QAM	1	1		20.50		4.5	21.20		20.50		4.5	21.20
	CP-OFDM	QPSK	1	1		23.56		1.5	24.20		23.56		1.5	24.20
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					140300	141500	142700	MPR	Tune-up Limit	140300	141500	142700	MPR	Tune-up Limit
					701.5 MHz	707.5 MHz	713.5 MHz			701.5 MHz	707.5 MHz	713.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.96	25.07	25.15	0.0	25.70	24.96	25.07	25.15	0.0	25.70
		QPSK	1	1	24.93	25.10	24.96	0.0	25.70	24.93	25.10	24.96	0.0	25.70
			1	13	25.03	25.00	25.00	0.0	25.70	25.03	25.00	25.00	0.0	25.70
			1	23	24.95	24.97	24.93	0.0	25.70	24.95	24.97	24.93	0.0	25.70
			12	0	24.04	24.06	24.20	1.0	24.70	24.04	24.06	24.20	1.0	24.70
			12	7	24.96	25.02	24.99	0.0	25.70	24.96	25.02	24.99	0.0	25.70
			12	13	23.93	23.99	24.09	1.0	24.70	23.93	23.99	24.09	1.0	24.70
			25	0	24.11	23.94	24.06	1.0	24.70	24.11	23.94	24.06	1.0	24.70
		16QAM	1	1	24.16	24.06	23.93	1.0	24.70	24.16	24.06	23.93	1.0	24.70
		64QAM	1	1	22.49	22.63	22.61	2.5	23.20	22.49	22.63	22.61	2.5	23.20
		256QAM	1	1	20.53	20.65	20.56	4.5	21.20	20.53	20.65	20.56	4.5	21.20
	CP-OFDM	QPSK	1	1	23.60	23.54	23.40	1.5	24.20	23.60	23.54	23.40	1.5	24.20

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NR Band 12 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					141300	141500	141700	MPR	Tune-up Limit	141300	141500	141700	MPR	Tune-up Limit
					706.5 MHz	707.5 MHz	708.5 MHz			706.5 MHz	707.5 MHz	708.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1		23.47		0.0	23.90		23.47		0.0	23.90
		QPSK	1	1		23.54		0.0	23.90		23.54		0.0	23.90
			1	40		23.90		0.0	23.90		23.90		0.0	23.90
			1	77		23.41		0.0	23.90		23.41		0.0	23.90
			36	0		22.44		1.0	22.90		22.44		1.0	22.90
			36	22		23.90		0.0	23.90		23.90		0.0	23.90
			36	43		22.44		1.0	22.90		22.44		1.0	22.90
			75	0		22.47		1.0	22.90		22.47		1.0	22.90
		16QAM	1	1		22.46		1.0	22.90		22.46		1.0	22.90
		64QAM	1	1		21.19		2.5	21.40		21.19		2.5	21.40
		256QAM	1	1		19.08		4.5	19.40		19.08		4.5	19.40
	CP-OFDM	QPSK	1	1		22.00		1.5	22.40		22.00		1.5	22.40
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					140800	141500	142200	MPR	Tune-up Limit	140800	141500	142200	MPR	Tune-up Limit
					704 MHz	707.5 MHz	711 MHz			704 MHz	707.5 MHz	711 MHz		
10 MHz	DFS-s OFDM	PI/2 BPSK	1	1		23.67		0.0	23.90		23.67		0.0	23.90
		QPSK	1	1		23.56		0.0	23.90		23.56		0.0	23.90
			1	26		23.43		0.0	23.90		23.43		0.0	23.90
			1	50		23.56		0.0	23.90		23.56		0.0	23.90
			25	0		22.49		1.0	22.90		22.49		1.0	22.90
			25	14		23.54		0.0	23.90		23.54		0.0	23.90
			25	27		22.46		1.0	22.90		22.46		1.0	22.90
			50	0		22.66		1.0	22.90		22.66		1.0	22.90
		16QAM	1	1		22.62		1.0	22.90		22.62		1.0	22.90
		64QAM	1	1		21.12		2.5	21.40		21.12		2.5	21.40
		256QAM	1	1		19.14		4.5	19.40		19.14		4.5	19.40
	CP-OFDM	QPSK	1	1		22.19		1.5	22.40		22.19		1.5	22.40
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					140300	141500	142700	MPR	Tune-up Limit	140300	141500	142700	MPR	Tune-up Limit
					701.5 MHz	707.5 MHz	713.5 MHz			701.5 MHz	707.5 MHz	713.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	23.70	23.54	23.54	0.0	23.90	23.70	23.54	23.54	0.0	23.90
		QPSK	1	1	23.64	23.44	23.66	0.0	23.90	23.64	23.44	23.66	0.0	23.90
			1	13	23.63	23.54	23.55	0.0	23.90	23.63	23.54	23.55	0.0	23.90
			1	23	23.64	23.45	23.68	0.0	23.90	23.64	23.45	23.68	0.0	23.90
			12	0	22.69	22.69	22.61	1.0	22.90	22.69	22.69	22.61	1.0	22.90
			12	7	23.50	23.52	23.65	0.0	23.90	23.50	23.52	23.65	0.0	23.90
			12	13	22.52	22.61	22.45	1.0	22.90	22.52	22.61	22.45	1.0	22.90
			25	0	22.65	22.45	22.50	1.0	22.90	22.65	22.45	22.50	1.0	22.90
		16QAM	1	1	22.58	22.64	22.56	1.0	22.90	22.58	22.64	22.56	1.0	22.90
		64QAM	1	1	21.05	20.94	21.11	2.5	21.40	21.05	20.94	21.11	2.5	21.40
		256QAM	1	1	19.09	19.13	19.12	4.5	19.40	19.09	19.13	19.12	4.5	19.40
	CP-OFDM	QPSK	1	1	22.08	21.98	22.00	1.5	22.40	22.08	21.98	22.00	1.5	22.40

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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	24.99	25.17	24.94	0.0	25.70	15.95	15.98	16.03	0.0	16.50
		QPSK	1	1	25.07	25.08	25.02	0.0	25.70	16.12	15.97	15.93	0.0	16.50
			1	53	25.70	25.70	25.70	0.0	25.70	16.50	16.50	16.50	0.0	16.50
			1	104	25.18	25.09	25.14	0.0	25.70	16.13	16.08	16.16	0.0	16.50
			50	0	24.15	24.03	24.02	1.0	24.70	16.13	16.20	16.07	0.0	16.50
			50	28	25.70	25.70	25.70	0.0	25.70	16.50	16.50	16.50	0.0	16.50
			50	56	24.05	24.03	23.97	1.0	24.70	16.17	15.93	16.01	0.0	16.50
			100	0	24.09	24.11	24.19	1.0	24.70	15.98	15.95	16.09	0.0	16.50
		16QAM	1	1	23.93	24.03	23.91	1.0	24.70	15.96	15.99	15.97	0.0	16.50
		64QAM	1	1	22.60	22.63	22.42	2.5	23.20	16.06	16.13	16.14	0.0	16.50
		256QAM	1	1	20.46	20.50	20.59	4.5	21.20	15.90	16.09	16.14	0.0	16.50
	CP-OFDM	QPSK	1	1	23.66	23.47	23.62	1.5	24.20	16.11	16.05	15.90	0.0	16.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371500	376500	381500	MPR	Tune-up Limit	371500	376500	381500	MPR	Tune-up Limit
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.00	25.13	25.15	0.0	25.70	15.99	16.00	16.06	0.0	16.50
		QPSK	1	1	24.95	25.11	25.15	0.0	25.70	16.16	16.03	16.14	0.0	16.50
			1	40	24.92	24.95	25.04	0.0	25.70	16.17	16.04	16.08	0.0	16.50
			1	77	25.11	25.20	25.05	0.0	25.70	15.96	15.93	15.90	0.0	16.50
			36	0	24.14	24.18	24.17	1.0	24.70	16.07	16.16	16.10	0.0	16.50
			36	22	25.02	24.91	24.98	0.0	25.70	16.01	15.93	16.19	0.0	16.50
			36	43	24.05	24.08	24.08	1.0	24.70	16.00	16.16	16.06	0.0	16.50
			75	0	23.92	24.14	24.13	1.0	24.70	16.13	16.03	16.17	0.0	16.50
		16QAM	1	1	23.93	23.93	24.06	1.0	24.70	15.91	16.19	15.91	0.0	16.50
		64QAM	1	1	22.68	22.41	22.50	2.5	23.20	15.98	16.06	15.90	0.0	16.50
		256QAM	1	1	20.50	20.56	20.44	4.5	21.20	16.08	15.98	15.92	0.0	16.50
	CP-OFDM	QPSK	1	1	23.49	23.49	23.61	1.5	24.20	16.17	15.91	15.95	0.0	16.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371000	376500	382000	MPR	Tune-up Limit	371000	376500	382000	MPR	Tune-up Limit
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.18	25.00	25.19	0.0	25.70	15.95	16.07	16.01	0.0	16.50
		QPSK	1	1	24.98	25.04	24.95	0.0	25.70	16.11	16.19	16.19	0.0	16.50
			1	26	24.94	25.01	25.07	0.0	25.70	16.18	15.98	16.20	0.0	16.50
			1	50	25.02	25.04	25.01	0.0	25.70	16.11	16.12	15.91	0.0	16.50
			25	0	24.03	24.18	24.01	1.0	24.70	15.98	16.07	16.04	0.0	16.50
			25	14	25.14	25.13	24.92	0.0	25.70	16.04	16.20	16.10	0.0	16.50
			25	27	24.14	23.95	23.94	1.0	24.70	16.01	16.14	15.94	0.0	16.50
			50	0	24.11	24.02	23.94	1.0	24.70	15.97	16.18	15.99	0.0	16.50
		16QAM	1	1	24.02	24.14	23.93	1.0	24.70	16.13	16.19	16.15	0.0	16.50
		64QAM	1	1	22.57	22.62	22.63	2.5	23.20	15.94	15.98	16.01	0.0	16.50
		256QAM	1	1	20.46	20.67	20.46	4.5	21.20	16.06	16.13	15.90	0.0	16.50
	CP-OFDM	QPSK	1	1	23.63	23.49	23.69	1.5	24.20	16.15	16.11	16.19	0.0	16.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					370500	376500	382500	MPR	Tune-up Limit	370500	376500	382500	MPR	Tune-up Limit
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.95	24.94	24.95	0.0	25.70	16.16	16.10	16.08	0.0	16.50
		QPSK	1	1	24.97	25.13	24.91	0.0	25.70	16.11	16.14	16.09	0.0	16.50
			1	13	25.13	25.01	25.12	0.0	25.70	15.93	15.95	15.99	0.0	16.50
			1	23	25.17	24.91	24.98	0.0	25.70	16.02	16.17	16.11	0.0	16.50
			12	0	24.15	24.14	24.06	1.0	24.70	15.96	16.16	16.15	0.0	16.50
			12	7	25.15	24.94	24.98	0.0	25.70	16.05	15.92	16.09	0.0	16.50
			12	13	23.97	24.06	24.11	1.0	24.70	16.16	16.11	16.11	0.0	16.50
			25	0	24.17	24.17	24.10	1.0	24.70	16.03	16.12	16.07	0.0	16.50
		16QAM	1	1	24.06	23.97	24.17	1.0	24.70	16.14	16.13	15.97	0.0	16.50
		64QAM	1	1	22.41	22.43	22.69	2.5	23.20	16.10	15.92	16.08	0.0	16.50
		256QAM	1	1	20.64	20.41	20.66	4.5	21.20	15.96	16.03	15.94	0.0	16.50
	CP-OFDM	QPSK	1	1	23.61	23.47	23.62	1.5	24.20	16.16	15.95	15.92	0.0	16.50

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NR Band 25 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					372000	376500	381000	MPR	Tune-up Limit	372000	376500	381000	MPR	Tune-up Limit
					1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	19.73	19.55	19.61	0.0	20.00	19.87	19.87	20.03	0.0	20.25
		QPSK	1	1	19.69	19.77	19.71	0.0	20.00	19.88	19.92	20.04	0.0	20.25
			1	53	20.00	20.00	20.00	0.0	20.00	20.25	20.25	20.25	0.0	20.25
			1	104	19.74	19.64	19.70	0.0	20.00	19.80	19.98	19.84	0.0	20.25
			50	0	19.73	19.61	19.64	0.0	20.00	19.87	19.99	20.09	0.0	20.25
			50	28	20.00	20.00	20.00	0.0	20.00	20.25	20.25	20.25	0.0	20.25
			50	56	19.75	19.78	19.57	0.0	20.00	19.88	20.04	20.03	0.0	20.25
			100	0	19.72	19.67	19.60	0.0	20.00	19.84	20.08	19.95	0.0	20.25
		16QAM	1	1	19.79	19.71	19.61	0.0	20.00	20.07	19.97	20.05	0.0	20.25
		64QAM	1	1	19.75	19.65	19.66	0.0	20.00	19.96	19.90	20.05	0.0	20.25
		256QAM	1	1	19.70	19.53	19.55	0.0	20.00	20.00	19.81	19.90	0.0	20.25
	CP-OFDM	QPSK	1	1	19.77	19.59	19.71	0.0	20.00	19.82	20.06	20.00	0.0	20.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371500	376500	381500	MPR	Tune-up Limit	371500	376500	381500	MPR	Tune-up Limit
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	19.51	19.57	19.80	0.0	20.00	19.99	19.87	19.88	0.0	20.25
		QPSK	1	1	19.75	19.70	19.68	0.0	20.00	19.84	19.96	19.84	0.0	20.25
			1	40	19.75	19.74	19.70	0.0	20.00	20.03	19.96	19.85	0.0	20.25
			1	77	19.70	19.79	19.72	0.0	20.00	19.98	20.09	20.07	0.0	20.25
			36	0	19.52	19.73	19.57	0.0	20.00	19.91	20.01	19.89	0.0	20.25
			36	22	19.75	19.64	19.68	0.0	20.00	19.81	20.03	20.03	0.0	20.25
			36	43	19.65	19.67	19.61	0.0	20.00	19.99	19.81	19.90	0.0	20.25
			75	0	19.71	19.54	19.56	0.0	20.00	20.09	19.97	20.10	0.0	20.25
		16QAM	1	1	19.71	19.59	19.53	0.0	20.00	20.02	19.92	19.90	0.0	20.25
		64QAM	1	1	19.67	19.78	19.51	0.0	20.00	20.05	19.91	20.02	0.0	20.25
		256QAM	1	1	19.71	19.50	19.58	0.0	20.00	19.96	20.03	20.02	0.0	20.25
	CP-OFDM	QPSK	1	1	19.79	19.77	19.64	0.0	20.00	19.96	19.83	19.94	0.0	20.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371000	376500	382000	MPR	Tune-up Limit	371000	376500	382000	MPR	Tune-up Limit
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
15 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	19.70	19.70	19.66	0.0	20.00	19.99	20.03	19.91	0.0	20.25
		QPSK	1	1	19.56	19.67	19.55	0.0	20.00	19.88	20.07	19.82	0.0	20.25
			1	26	19.73	19.77	19.53	0.0	20.00	20.08	20.04	20.04	0.0	20.25
			1	50	19.60	19.62	19.73	0.0	20.00	20.02	19.94	19.94	0.0	20.25
			25	0	19.74	19.51	19.52	0.0	20.00	19.91	20.09	20.03	0.0	20.25
			25	14	19.58	19.60	19.63	0.0	20.00	19.81	20.05	20.09	0.0	20.25
			25	27	19.60	19.55	19.64	0.0	20.00	19.91	19.81	19.91	0.0	20.25
			50	0	19.77	19.61	19.61	0.0	20.00	19.93	19.87	19.98	0.0	20.25
		16QAM	1	1	19.77	19.51	19.78	0.0	20.00	19.86	19.92	19.95	0.0	20.25
		64QAM	1	1	19.58	19.79	19.71	0.0	20.00	19.86	19.93	19.94	0.0	20.25
		256QAM	1	1	19.55	19.53	19.79	0.0	20.00	20.01	19.95	19.92	0.0	20.25
	CP-OFDM	QPSK	1	1	19.66	19.59	19.65	0.0	20.00	20.08	19.89	19.80	0.0	20.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					370500	376500	382500	MPR	Tune-up Limit	370500	376500	382500	MPR	Tune-up Limit
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	19.79	19.50	19.53	0.0	20.00	19.91	20.04	19.82	0.0	20.25
		QPSK	1	1	19.69	19.54	19.74	0.0	20.00	19.95	19.81	19.83	0.0	20.25
			1	13	19.69	19.70	19.66	0.0	20.00	19.94	19.90	19.97	0.0	20.25
			1	23	19.79	19.71	19.67	0.0	20.00	19.90	20.09	19.92	0.0	20.25
			12	0	19.75	19.75	19.57	0.0	20.00	19.98	19.85	19.91	0.0	20.25
			12	7	19.56	19.59	19.53	0.0	20.00	19.85	19.86	20.04	0.0	20.25
			12	13	19.60	19.68	19.52	0.0	20.00	20.08	20.09	19.99	0.0	20.25
			25	0	19.76	19.57	19.67	0.0	20.00	20.04	19.81	19.99	0.0	20.25
		16QAM	1	1	19.78	19.56	19.65	0.0	20.00	20.06	20.05	19.96	0.0	20.25
		64QAM	1	1	19.78	19.60	19.54	0.0	20.00	19.89	19.94	19.91	0.0	20.25
		256QAM	1	1	19.73	19.57	19.59	0.0	20.00	19.90	19.96	19.84	0.0	20.25
	CP-OFDM	QPSK	1	1	19.71	19.53	19.55	0.0	20.00	19.96	19.93	19.96	0.0	20.25

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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	24.13	24.11	23.99	0.0	24.70	18.92	18.74	18.88	0.0	19.50
		QPSK	1	1	24.06	24.18	23.98	0.0	24.70	18.88	18.79	19.00	0.0	19.50
			1	53	24.70	24.70	24.70	0.0	24.70	19.50	19.50	19.50	0.0	19.50
			1	104	24.06	23.95	23.93	0.0	24.70	18.71	18.88	18.77	0.0	19.50
			50	0	23.17	23.09	23.04	1.0	23.70	18.89	18.72	18.91	0.0	19.50
			50	28	24.70	24.70	24.70	0.0	24.70	19.50	19.50	19.50	0.0	19.50
			50	56	23.04	23.09	22.93	1.0	23.70	18.73	18.97	18.91	0.0	19.50
			100	0	22.97	23.14	23.04	1.0	23.70	18.93	19.50	18.86	0.0	19.50
		16QAM	1	1	23.13	22.94	23.06	1.0	23.70	18.92	18.88	18.74	0.0	19.50
		64QAM	1	1	21.67	21.40	21.48	2.5	22.20	18.92	18.89	18.90	0.0	19.50
		256QAM	1	1	19.46	19.60	19.44	4.5	20.20	18.74	18.98	18.97	0.0	19.50
	CP-OFDM	QPSK	1	1	22.45	22.54	22.62	1.5	23.20	18.98	18.81	18.84	0.0	19.50

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	24.05	24.02	24.18	0.0	24.70	18.89	18.96	18.96	0.0	19.50
		QPSK	1	1	24.09	23.91	23.93	0.0	24.70	18.71	18.94	18.91	0.0	19.50
			1	40	24.04	23.97	24.13	0.0	24.70	18.93	18.87	18.73	0.0	19.50
			1	77	24.01	24.16	24.13	0.0	24.70	18.88	18.97	18.88	0.0	19.50
			36	0	23.01	22.98	23.03	1.0	23.70	18.81	18.87	18.84	0.0	19.50
			36	22	24.19	24.06	23.95	0.0	24.70	18.80	18.91	18.89	0.0	19.50
			36	43	22.95	23.03	23.18	1.0	23.70	18.70	18.83	18.84	0.0	19.50
			75	0	23.00	23.14	23.17	1.0	23.70	18.90	18.82	18.85	0.0	19.50
		16QAM	1	1	22.98	23.04	23.19	1.0	23.70	18.99	18.82	18.91	0.0	19.50
		64QAM	1	1	21.68	21.48	21.49	2.5	22.20	18.82	18.75	18.88	0.0	19.50
		256QAM	1	1	19.46	19.65	19.47	4.5	20.20	18.80	18.80	18.96	0.0	19.50
	CP-OFDM	QPSK	1	1	22.40	22.61	22.49	1.5	23.20	18.73	18.83	18.90	0.0	19.50

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	23.97	24.04	24.07	0.0	24.70	18.96	18.83	18.97	0.0	19.50
		QPSK	1	1	23.94	24.02	24.04	0.0	24.70	18.71	18.73	18.88	0.0	19.50
			1	26	24.07	24.17	23.92	0.0	24.70	18.85	18.75	18.90	0.0	19.50
			1	50	23.97	24.08	23.96	0.0	24.70	18.86	18.90	19.00	0.0	19.50
			25	0	23.13	23.13	22.96	1.0	23.70	18.96	18.82	18.79	0.0	19.50
			25	14	23.96	24.04	24.08	0.0	24.70	18.93	18.75	18.96	0.0	19.50
			25	27	23.13	23.17	23.03	1.0	23.70	18.85	18.73	18.90	0.0	19.50
			50	0	23.10	23.09	23.15	1.0	23.70	18.73	18.96	18.75	0.0	19.50
		16QAM	1	1	23.04	23.17	22.96	1.0	23.70	19.00	18.94	18.81	0.0	19.50
		64QAM	1	1	21.44	21.50	21.43	2.5	22.20	18.81	18.76	18.94	0.0	19.50
		256QAM	1	1	19.49	19.66	19.41	4.5	20.20	18.88	18.74	18.88	0.0	19.50
	CP-OFDM	QPSK	1	1	22.50	22.58	22.59	1.5	23.20	18.84	18.84	18.73	0.0	19.50

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	24.01	24.00	24.19	0.0	24.70	18.94	18.94	18.82	0.0	19.50
		QPSK	1	1	24.00	23.98	24.18	0.0	24.70	18.79	18.86	18.94	0.0	19.50
			1	13	24.00	24.04	24.06	0.0	24.70	18.72	18.90	18.74	0.0	19.50
			1	23	24.05	24.00	24.11	0.0	24.70	19.00	18.97	18.91	0.0	19.50
			12	0	23.02	23.00	23.00	1.0	23.70	18.80	18.90	18.75	0.0	19.50
			12	7	24.01	24.08	24.15	0.0	24.70	18.79	18.81	18.83	0.0	19.50
			12	13	23.10	23.19	22.94	1.0	23.70	18.96	18.89	18.97	0.0	19.50
			25	0	23.13	22.96	23.16	1.0	23.70	19.00	18.97	18.99	0.0	19.50
		16QAM	1	1	23.11	22.91	23.18	1.0	23.70	18.85	18.87	18.79	0.0	19.50
		64QAM	1	1	21.59	21.64	21.43	2.5	22.20	18.99	18.83	18.73	0.0	19.50
		256QAM	1	1	19.44	19.66	19.65	4.5	20.20	18.99	18.73	18.76	0.0	19.50
	CP-OFDM	QPSK	1	1	22.67	22.63	22.47	1.5	23.20	18.95	18.87	18.96	0.0	19.50

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NR Band 25 Measured Results (ANT4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					372000	376500	381000	MPR	Tune-up Limit	372000	376500	381000	MPR	Tune-up Limit
					1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	18.60	18.76	18.53	0.0	19.00	19.79	19.81	19.72	0.0	20.25
		QPSK	1	1	18.74	18.58	18.53	0.0	19.00	19.74	19.93	19.94	0.0	20.25
			1	53	19.00	19.00	19.00	0.0	19.00	20.25	20.25	20.25	0.0	20.25
			1	104	18.54	18.52	18.73	0.0	19.00	19.71	19.72	19.96	0.0	20.25
			50	0	18.64	18.67	18.62	0.0	19.00	19.91	19.84	19.97	0.0	20.25
			50	28	19.00	19.00	19.00	0.0	19.00	20.25	20.25	20.25	0.0	20.25
			50	56	18.58	18.65	18.63	0.0	19.00	19.91	19.73	19.90	0.0	20.25
			100	0	18.51	19.00	18.52	0.0	19.00	19.84	20.25	19.94	0.0	20.25
		16QAM	1	1	18.71	18.68	18.76	0.0	19.00	19.86	19.74	19.77	0.0	20.25
		64QAM	1	1	18.75	18.61	18.59	0.0	19.00	19.91	19.96	19.88	0.0	20.25
		256QAM	1	1	18.57	18.71	18.61	0.0	19.00	19.99	19.94	20.00	0.0	20.25
	CP-OFDM	QPSK	1	1	18.70	18.58	18.52	0.0	19.00	19.70	19.94	19.73	0.0	20.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371500	376500	381500	MPR	Tune-up Limit	371500	376500	381500	MPR	Tune-up Limit
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	18.63	18.54	18.56	0.0	19.00	19.95	19.91	19.89	0.0	20.25
		QPSK	1	1	18.77	18.52	18.60	0.0	19.00	19.75	19.77	19.94	0.0	20.25
			1	40	18.56	18.75	18.61	0.0	19.00	19.76	19.99	19.85	0.0	20.25
			1	77	18.78	18.75	18.69	0.0	19.00	19.89	19.77	19.91	0.0	20.25
			36	0	18.76	18.64	18.73	0.0	19.00	19.85	19.87	19.84	0.0	20.25
			36	22	18.74	18.59	18.67	0.0	19.00	19.96	19.82	19.83	0.0	20.25
			36	43	18.61	18.55	18.68	0.0	19.00	19.82	19.74	19.76	0.0	20.25
			75	0	18.70	18.71	18.65	0.0	19.00	19.71	19.71	19.97	0.0	20.25
		16QAM	1	1	18.78	18.63	18.58	0.0	19.00	19.93	19.92	19.72	0.0	20.25
		64QAM	1	1	18.65	18.53	18.54	0.0	19.00	19.85	19.83	19.93	0.0	20.25
		256QAM	1	1	18.76	18.71	18.59	0.0	19.00	19.84	19.77	19.77	0.0	20.25
	CP-OFDM	QPSK	1	1	18.57	18.55	18.67	0.0	19.00	19.97	19.78	19.85	0.0	20.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371000	376500	382000	MPR	Tune-up Limit	371000	376500	382000	MPR	Tune-up Limit
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	18.62	18.77	18.71	0.0	19.00	19.79	19.99	19.94	0.0	20.25
		QPSK	1	1	18.80	18.50	18.67	0.0	19.00	19.80	19.85	19.93	0.0	20.25
			1	26	18.58	18.52	18.63	0.0	19.00	19.82	19.85	19.87	0.0	20.25
			1	50	18.60	18.73	18.59	0.0	19.00	20.00	19.89	20.00	0.0	20.25
			25	0	18.75	18.58	18.72	0.0	19.00	19.94	19.72	19.92	0.0	20.25
			25	14	18.71	18.73	18.58	0.0	19.00	19.84	19.70	19.96	0.0	20.25
			25	27	18.58	18.71	18.63	0.0	19.00	19.85	19.84	19.78	0.0	20.25
			50	0	18.76	18.60	18.75	0.0	19.00	19.78	19.74	19.95	0.0	20.25
		16QAM	1	1	18.79	18.77	18.74	0.0	19.00	19.71	19.93	19.74	0.0	20.25
		64QAM	1	1	18.68	18.71	18.74	0.0	19.00	19.95	19.94	19.88	0.0	20.25
		256QAM	1	1	18.79	18.50	18.74	0.0	19.00	19.86	19.90	19.87	0.0	20.25
	CP-OFDM	QPSK	1	1	18.63	18.76	18.63	0.0	19.00	19.91	19.80	19.72	0.0	20.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					370500	376500	382500	MPR	Tune-up Limit	370500	376500	382500	MPR	Tune-up Limit
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	18.75	18.56	18.65	0.0	19.00	19.84	19.78	19.96	0.0	20.25
		QPSK	1	1	18.59	18.62	18.60	0.0	19.00	19.78	19.78	20.00	0.0	20.25
			1	13	18.74	18.72	18.77	0.0	19.00	19.91	19.92	19.76	0.0	20.25
			1	23	18.67	18.55	18.53	0.0	19.00	19.82	19.77	19.96	0.0	20.25
			12	0	18.78	18.71	18.57	0.0	19.00	19.93	19.85	19.75	0.0	20.25
			12	7	18.69	18.79	18.60	0.0	19.00	20.00	19.90	19.80	0.0	20.25
			12	13	18.69	18.72	18.73	0.0	19.00	19.75	19.84	19.82	0.0	20.25
			25	0	18.66	18.61	18.74	0.0	19.00	19.80	19.92	19.91	0.0	20.25
		16QAM	1	1	18.62	18.68	18.78	0.0	19.00	19.91	19.72	19.83	0.0	20.25
		64QAM	1	1	18.54	18.59	18.54	0.0	19.00	19.86	19.86	19.96	0.0	20.25
		256QAM	1	1	18.57	18.69	18.73	0.0	19.00	19.81	20.00	19.79	0.0	20.25
	CP-OFDM	QPSK	1	1	18.52	18.53	18.58	0.0	19.00	19.94	19.88	19.71	0.0	20.25

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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	MPR	Tune-up Limit	509200	513900	518600	523300	528000	MPR	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	PI/2 BPSK	1	1			25.08			0.0	25.70			19.76			0.0	20.25
		QPSK	1	1			25.11			0.0	25.70			19.72			0.0	20.25
			1	137			25.70			0.0	25.70			20.25			0.0	20.25
			1	271			25.08			0.0	25.70			19.79			0.0	20.25
			135	0			24.02			1.0	24.70			19.86			0.0	20.25
			135	69			25.70			0.0	25.70			20.25			0.0	20.25
			135	138			24.09			1.0	24.70			19.79			0.0	20.25
			270	0			24.14			1.0	24.70			19.86			0.0	20.25
		16QAM	1	1			23.90			1.0	24.70			19.73			0.0	20.25
		64QAM	1	1			22.53			2.5	23.20			19.71			0.0	20.25
		256QAM	1	1			20.47			4.5	21.20			19.82			0.0	20.25
	CP-OFDM	QPSK	1	1			23.52			1.5	24.20			19.95			0.0	20.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					508200	513400	518600	523800	529000	MPR	Tune-up Limit	508200	513400	518600	523800	529000	MPR	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	PI/2 BPSK	1	1			24.96			0.0	25.70			19.90			0.0	20.25
		QPSK	1	1			24.96			0.0	25.70			20.00			0.0	20.25
			1	123			25.15			0.0	25.70			19.79			0.0	20.25
			1	243			25.15			0.0	25.70			19.80			0.0	20.25
			120	0			23.91			1.0	24.70			19.71			0.0	20.25
			120	63			25.13			0.0	25.70			19.75			0.0	20.25
			120	125			24.02			1.0	24.70			19.70			0.0	20.25
			243	0			24.12			1.0	24.70			19.83			0.0	20.25
		16QAM	1	1			24.09			1.0	24.70			19.83			0.0	20.25
		64QAM	1	1			22.56			2.5	23.20			19.74			0.0	20.25
		256QAM	1	1			20.65			4.5	21.20			19.96			0.0	20.25
	CP-OFDM	QPSK	1	1			23.66			1.5	24.20			19.99			0.0	20.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					507200	512900	518600	524300	530000	MPR	Tune-up Limit	507200	512900	518600	524300	530000	MPR	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	PI/2 BPSK	1	1			24.99			0.0	25.70			19.92			0.0	20.25
		QPSK	1	1			24.95			0.0	25.70			19.91			0.0	20.25
			1	109			25.19			0.0	25.70			19.90			0.0	20.25
			1	215			25.18			0.0	25.70			19.91			0.0	20.25
			108	0			24.17			1.0	24.70			19.98			0.0	20.25
			108	55			24.95			0.0	25.70			19.87			0.0	20.25
			108	109			24.00			1.0	24.70			19.70			0.0	20.25
			216	0			23.92			1.0	24.70			19.86			0.0	20.25
		16QAM	1	1			24.04			1.0	24.70			19.76			0.0	20.25
		64QAM	1	1			22.54			2.5	23.20			19.78			0.0	20.25
		256QAM	1	1			20.69			4.5	21.20			19.82			0.0	20.25
	CP-OFDM	QPSK	1	1			23.44			1.5	24.20			19.90			0.0	20.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					505200	511900	518600	525300	532000	MPR	Tune-up Limit	505200	511900	518600	525300	532000	MPR	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	PI/2 BPSK	1	1	24.99	24.97	25.11	25.17	25.15	0.0	25.70	19.71	19.99	19.80	19.89	19.84	0.0	20.25
		QPSK	1	1	25.10	25.19	24.96	25.18	24.96	0.0	25.70	19.85	19.90	19.86	19.71	19.77	0.0	20.25
			1	81	25.06	25.14	25.12	25.00	25.09	0.0	25.70	19.92	19.80	19.82	19.83	19.85	0.0	20.25
			1	160	25.17	25.14	25.02	24.99	25.07	0.0	25.70	19.73	19.81	19.91	19.93	19.84	0.0	20.25
			81	0	24.19	24.17	24.11	24.08	24.05	1.0	24.70	19.97	19.72	19.90	19.90	19.82	0.0	20.25
			81	40	25.01	25.01	24.90	24.93	25.04	0.0	25.70	19.94	19.90	19.70	19.78	19.90	0.0	20.25
			81	81	24.12	24.15	23.96	24.00	23.98	1.0	24.70	19.93	19.74	19.71	19.97	19.79	0.0	20.25
			162	0	23.97	23.91	24.06	23.91	24.10	1.0	24.70	19.71	19.78	19.87	19.94	19.75	0.0	20.25
		16QAM	1	1	24.12	23.98	23.95	24.09	23.94	1.0	24.70	19.82	19.77	19.75	19.80	19.92	0.0	20.25
		64QAM	1	1	22.59	22.59	22.68	22.53	22.41	2.5	23.20	19.86	19.75	19.79	19.98	19.76	0.0	20.25
		256QAM	1	1	20.43	20.45	20.49	20.48	20.62	4.5	21.20	19.88	19.85	19.75	19.81	19.74	0.0	20.25
	CP-OFDM	QPSK	1	1	23.62	23.58	23.56	23.52	23.60	1.5	24.20	19.99	19.99	19.80	19.85	19.78	0.0	20.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					504200	511400	518600	525800	533000	MPR	Tune-up Limit	504200	511400	518600	525800	533000	MPR	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	PI/2 BPSK	1	1	24.95	25.14	25.07	24.97	25.04	0.0	25.70	19.74	19.85	19.77	19.93	19.82	0.0	20.25
		QPSK	1	1	25.13	24.98	25.11	25.00	24.95	0.0	25.70	19.91	19.72	19.86	19.72	19.91	0.0	20.25
			1	67	25.09	25.17	25.05	25.06	25.08	0.0	25.70	19.76	19.96	19.79	19.81	19.86	0.0	20.25
			1	131	25.15	24.96	24.93	24.97	25.01	0.0	25.70	19.83	19.97	19.90	19.83	19.97	0.0	20.25
			64	0	23.96	24.08	23.91	24.06	24.02	1.0	24.70	19.83	19.94	19.97	19.80	19.85	0.0	20.25
			64	35	25.00	24.93	25.00	25.12	25.02	0.0	25.70	19.99	19.95	19.75	19.90	19.73	0.0	20.25
			64	69	23.97	24.01	23.95	24.14	24.13	1.0	24.70	19.95	19.85	19.94	19.94	19.79	0.0	20.25
			128	0	23.96	23.91	23.91	24.14	24.11	1.0	24.70	19.82	19.80	19.90	19.73	19.91	0.0	20.25
		16QAM	1	1	23.97	24.17	24.03	24.02	24.11	1.0	24.70	19.83	19.90	19.74	19.75	19.97	0.0	20.25
		64QAM	1	1	22.45	22.54	22.58	22.70	22.67	2.5	23.20	19.96	19.75	19.88	19.80	19.72	0.0	20.25
		256QAM	1	1	20.51	20.58	20.61	20.61	20.43	4.5	21.20	19.91	19.94	19.76	19.87	19.74	0.0	20.25
	CP-OFDM	QPSK	1	1	23.65	23.46	23.64	23.57	23.44	1.5	24.20	19.98	19.87	19.81	19.87	19.83	0.0	20.25

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NR Band 41 Measured Results (ANT1) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					503200	510900	518600	526300	534000	MPR	Tune-up Limit	503200	510900	518600	526300	534000	MPR	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	PI/2 BPSK	1	1	24.97	25.01	24.94	25.02	25.01	0.0	25.70	19.80	19.90	19.75	19.94	19.78	0.0	20.25
		QPSK	1	1	25.12	25.10	25.06	25.17	25.05	0.0	25.70	19.99	19.97	19.85	19.84	19.95	0.0	20.25
			1	53	24.91	25.11	25.01	25.11	25.19	0.0	25.70	19.93	19.85	19.76	19.81	19.87	0.0	20.25
			1	104	24.90	24.99	24.93	25.16	25.05	0.0	25.70	19.76	19.92	19.88	19.88	19.79	0.0	20.25
			50	0	24.05	24.09	24.04	24.10	23.91	1.0	24.70	19.82	19.88	19.83	19.84	19.99	0.0	20.25
			50	28	24.94	24.91	25.01	24.96	24.90	0.0	25.70	19.98	19.75	19.87	19.94	19.76	0.0	20.25
			50	56	24.02	24.14	24.01	24.07	23.97	1.0	24.70	19.88	19.84	19.78	19.94	19.80	0.0	20.25
			100	0	24.19	24.19	24.00	24.08	24.01	1.0	24.70	19.93	19.87	19.83	19.80	19.72	0.0	20.25
		16QAM	1	1	23.97	24.07	24.06	24.09	24.03	1.0	24.70	19.79	19.76	19.84	19.72	19.73	0.0	20.25
		64QAM	1	1	22.61	22.69	22.65	22.61	22.53	2.5	23.20	19.73	19.77	19.91	19.85	19.83	0.0	20.25
		256QAM	1	1	20.67	20.58	20.47	20.46	20.42	4.5	21.20	19.77	19.77	19.78	19.85	19.72	0.0	20.25
	CP-OFDM	QPSK	1	1	23.52	23.65	23.56	23.59	23.56	1.5	24.20	19.80	19.84	19.98	19.75	19.71	0.0	20.25

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					501200	509900	518600	527300	536000	MPR	Tune-up Limit	501200	509900	518600	527300	536000	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	DFS-s OFDM	PI/2 BPSK	1	1	25.08	25.10	25.07	25.14	24.97	0.0	25.70	19.90	19.85	19.91	20.00	19.89	0.0	20.25
		QPSK	1	1	25.03	24.94	25.14	25.00	24.94	0.0	25.70	19.98	19.86	19.90	19.86	19.87	0.0	20.25
			1	26	24.94	25.19	25.16	25.01	24.97	0.0	25.70	19.80	19.97	19.98	19.71	19.81	0.0	20.25
			1	49	25.06	25.02	25.03	25.00	25.13	0.0	25.70	19.84	19.92	20.00	19.76	19.78	0.0	20.25
			25	0	23.99	23.92	24.14	24.11	24.01	1.0	24.70	19.78	19.78	19.82	19.97	19.91	0.0	20.25
			25	13	25.03	25.16	24.92	24.96	25.16	0.0	25.70	19.89	19.82	19.81	19.71	19.89	0.0	20.25
			25	26	24.15	24.03	24.12	24.15	23.91	1.0	24.70	19.71	19.96	19.85	19.76	19.91	0.0	20.25
			50	0	24.10	24.05	24.02	23.98	23.92	1.0	24.70	19.97	19.91	19.88	19.91	19.96	0.0	20.25
		16QAM	1	1	23.94	23.99	24.06	24.02	24.07	1.0	24.70	19.83	19.85	19.87	19.93	19.93	0.0	20.25
		64QAM	1	1	22.65	22.53	22.57	22.45	22.57	2.5	23.20	19.97	19.80	19.78	19.72	19.89	0.0	20.25
		256QAM	1	1	20.54	20.53	20.47	20.41	20.42	4.5	21.20	19.83	19.76	19.82	19.73	19.71	0.0	20.25
	CP-OFDM	QPSK	1	1	23.43	23.46	23.46	23.50	23.68	1.5	24.20	19.92	19.90	19.75	19.77	19.82	0.0	20.25

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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	MPR	Tune-up Limit	509200	513900	518600	523300	528000	MPR	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	PI/2 BPSK	1	1			16.22			0.0	16.50			17.32			0.0	17.75
		QPSK	1	1			16.03			0.0	16.50			17.15			0.0	17.75
			1	137			16.50			0.0	16.50			17.75			0.0	17.75
			1	271			16.11			0.0	16.50			17.22			0.0	17.75
			135	0			16.10			0.0	16.50			17.08			0.0	17.75
			135	69			16.50			0.0	16.50			17.75			0.0	17.75
			135	138			16.28			0.0	16.50			17.27			0.0	17.75
			270	0			16.21			0.0	16.50			17.07			0.0	17.75
		16QAM	1	1			16.16			0.0	16.50			17.10			0.0	17.75
		64QAM	1	1			16.08			0.0	16.50			17.11			0.0	17.75
		256QAM	1	1			16.09			0.0	16.50			17.29			0.0	17.75
	CP-OFDM	QPSK	1	1			16.02			0.0	16.50			17.07			0.0	17.75

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					508200	513400	518600	523800	529000	MPR	Tune-up Limit	508200	513400	518600	523800	529000	MPR	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	PI/2 BPSK	1	1			16.27			0.0	16.50			17.21			0.0	17.75
		QPSK	1	1			16.19			0.0	16.50			17.21			0.0	17.75
			1	123			16.01			0.0	16.50			17.24			0.0	17.75
			1	243			16.26			0.0	16.50			17.32			0.0	17.75
			120	0			16.19			0.0	16.50			17.06			0.0	17.75
			120	63			16.21			0.0	16.50			17.13			0.0	17.75
			120	125			16.26			0.0	16.50			17.22			0.0	17.75
			243	0			16.27			0.0	16.50			17.20			0.0	17.75
		16QAM	1	1			16.21			0.0	16.50			17.07			0.0	17.75
		64QAM	1	1			16.01			0.0	16.50			17.11			0.0	17.75
		256QAM	1	1			16.08			0.0	16.50			17.15			0.0	17.75
	CP-OFDM	QPSK	1	1			16.18			0.0	16.50			17.06			0.0	17.75

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					507200	512900	518600	524300	530000	MPR	Tune-up Limit	507200	512900	518600	524300	530000	MPR	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	PI/2 BPSK	1	1			16.17			0.0	16.50			17.33			0.0	17.75
		QPSK	1	1			16.03			0.0	16.50			17.13			0.0	17.75
			1	109			16.20			0.0	16.50			17.30			0.0	17.75
			1	215			16.30			0.0	16.50			17.21			0.0	17.75
			108	0			16.15			0.0	16.50			17.33			0.0	17.75
			108	55			16.21			0.0	16.50			17.10			0.0	17.75
			108	109			16.02			0.0	16.50			17.29			0.0	17.75
			216	0			16.29			0.0	16.50			17.13			0.0	17.75
		16QAM	1	1			16.27			0.0	16.50			17.30			0.0	17.75
		64QAM	1	1			16.05			0.0	16.50			17.33			0.0	17.75
		256QAM	1	1			16.10			0.0	16.50			17.18			0.0	17.75
	CP-OFDM	QPSK	1	1			16.26			0.0	16.50			17.33			0.0	17.75

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					505200	511900	518600	525300	532000	MPR	Tune-up Limit	505200	511900	518600	525300	532000	MPR	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	PI/2 BPSK	1	1	16.17	16.01	16.16	16.08	16.19	0.0	16.50	17.29	17.32	17.25	17.10	17.06	0.0	17.75
		QPSK	1	1	16.24	16.16	16.16	16.26	16.24	0.0	16.50	17.07	17.28	17.11	17.30	17.18	0.0	17.75
			1	81	16.27	16.19	16.21	16.09	16.16	0.0	16.50	17.24	17.31	17.32	17.07	17.13	0.0	17.75
			1	160	16.26	16.06	16.22	16.23	16.22	0.0	16.50	17.24	17.20	17.32	17.13	17.19	0.0	17.75
			81	0	16.19	16.05	16.23	16.28	16.02	0.0	16.50	17.17	17.19	17.29	17.34	17.32	0.0	17.75
			81	40	16.13	16.05	16.26	16.18	16.01	0.0	16.50	17.20	17.12	17.16	17.16	17.25	0.0	17.75
			81	81	16.20	16.24	16.25	16.19	16.26	0.0	16.50	17.09	17.32	17.19	17.12	17.15	0.0	17.75
			162	0	16.04	16.11	16.22	16.15	16.26	0.0	16.50	17.30	17.11	17.22	17.31	17.07	0.0	17.75
		16QAM	1	1	16.12	16.20	16.14	16.11	16.00	0.0	16.50	17.31	17.19	17.31	17.11	17.10	0.0	17.75
		64QAM	1	1	16.02	16.02	16.23	16.03	16.02	0.0	16.50	17.35	17.33	17.13	17.32	17.20	0.0	17.75
		256QAM	1	1	16.01	16.28	16.27	16.25	16.03	0.0	16.50	17.13	17.31	17.25	17.26	17.12	0.0	17.75
	CP-OFDM	QPSK	1	1	16.13	16.14	16.24	16.00	16.21	0.0	16.50	17.24	17.27	17.10	17.19	17.16	0.0	17.75

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					504200	511400	518600	525800	533000	MPR	Tune-up Limit	504200	511400	518600	525800	533000	MPR	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	PI/2 BPSK	1	1	16.19	16.25	16.16	16.01	16.07	0.0	16.50	17.33	17.26	17.13	17.17	17.29	0.0	17.75
		QPSK	1	1	16.17	16.07	16.14	16.27	16.15	0.0	16.50	17.15	17.31	17.06	17.32	17.08	0.0	17.75
			1	67	16.05	16.02	16.07	16.23	16.09	0.0	16.50	17.32	17.27	17.22	17.11	17.12	0.0	17.75
			1	131	16.30	16.02	16.19	16.28	16.25	0.0	16.50	17.33	17.19	17.33	17.25	17.08	0.0	17.75
			64	0	16.03	16.02	16.19	16.08	16.01	0.0	16.50	17.29	17.18	17.24	17.15	17.30	0.0	17.75
			64	35	16.25	16.25	16.18	16.28	16.08	0.0	16.50	17.26	17.13	17.12	17.07	17.10	0.0	17.75
			64	69	16.12	16.18	16.13	16.17	16.24	0.0	16.50	17.31	17.35	17.14	17.11	17.26	0.0	17.75
			128	0	16.15	16.14	16.21	16.24	16.16	0.0	16.50	17.19	17.08	17.10	17.08	17.22	0.0	17.75
		16QAM	1	1	16.27	16.26	16.00	16.24	16.12	0.0	16.50	17.23	17.05	17.28	17.28	17.29	0.0	17.75
		64QAM	1	1	16.23	16.08	16.07	16.09	16.03	0.0	16.50	17.35	17.23	17.15	17.15	17.29	0.0	17.75
		256QAM	1	1	16.02	16.18	16.14	16.06	16.17	0.0	16.50	17.19	17.09	17.07	17.23	17.24	0.0	17.75
	CP-OFDM	QPSK	1	1	16.18	16.03	16.29	16.05	16.04	0.0	16.50	17.32	17.07	17.20	17.23	17.11	0.0	17.75

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NR Band 41 Measured Results (ANT2) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					503200	510900	518600	526300	534000	MPR	Tune-up Limit	503200	510900	518600	526300	534000	MPR	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	PI/2 BPSK	1	1	16.30	16.03	16.09	16.09	16.10	0.0	16.50	17.24	17.08	17.32	17.23	17.29	0.0	17.75
		QPSK	1	1	16.12	16.03	16.13	16.01	16.04	0.0	16.50	17.12	17.28	17.08	17.19	17.26	0.0	17.75
			1	53	16.04	16.11	16.03	16.21	16.26	0.0	16.50	17.32	17.06	17.19	17.13	17.15	0.0	17.75
			1	104	16.10	16.14	16.19	16.26	16.16	0.0	16.50	17.29	17.27	17.06	17.15	17.11	0.0	17.75
			50	0	16.30	16.27	16.10	16.23	16.27	0.0	16.50	17.19	17.30	17.32	17.27	17.29	0.0	17.75
			50	28	16.27	16.11	16.29	16.12	16.25	0.0	16.50	17.25	17.07	17.34	17.27	17.14	0.0	17.75
			50	56	16.01	16.08	16.21	16.25	16.22	0.0	16.50	17.08	17.33	17.17	17.10	17.28	0.0	17.75
			100	0	16.14	16.22	16.11	16.03	16.05	0.0	16.50	17.19	17.21	17.09	17.24	17.12	0.0	17.75
		16QAM	1	1	16.17	16.14	16.08	16.00	16.25	0.0	16.50	17.06	17.30	17.19	17.12	17.26	0.0	17.75
		64QAM	1	1	16.01	16.23	16.10	16.22	16.22	0.0	16.50	17.28	17.25	17.15	17.28	17.32	0.0	17.75
		256QAM	1	1	16.15	16.06	16.08	16.22	16.11	0.0	16.50	17.16	17.22	17.24	17.23	17.19	0.0	17.75
	CP-OFDM	QPSK	1	1	16.20	16.29	16.24	16.00	16.27	0.0	16.50	17.06	17.32	17.13	17.12	17.26	0.0	17.75

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					501200	509900	518600	527300	536000	MPR	Tune-up Limit	501200	509900	518600	527300	536000	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	DFS-s OFDM	PI/2 BPSK	1	1	16.00	16.10	16.20	16.16	16.00	0.0	16.50	17.21	17.24	17.31	17.08	17.20	0.0	17.75
		QPSK	1	1	16.02	16.19	16.25	16.15	16.25	0.0	16.50	17.07	17.10	17.33	17.19	17.26	0.0	17.75
			1	26	16.16	16.09	16.26	16.27	16.28	0.0	16.50	17.20	17.25	17.06	17.17	17.06	0.0	17.75
			1	49	16.18	16.04	16.24	16.05	16.30	0.0	16.50	17.20	17.06	17.14	17.22	17.11	0.0	17.75
			25	0	16.15	16.06	16.04	16.10	16.14	0.0	16.50	17.29	17.14	17.27	17.08	17.11	0.0	17.75
			25	13	16.04	16.17	16.04	16.20	16.03	0.0	16.50	17.11	17.26	17.28	17.34	17.26	0.0	17.75
			25	26	16.14	16.13	16.03	16.11	16.02	0.0	16.50	17.19	17.08	17.17	17.07	17.09	0.0	17.75
			50	0	16.30	16.26	16.07	16.09	16.27	0.0	16.50	17.32	17.32	17.33	17.22	17.17	0.0	17.75
		16QAM	1	1	16.19	16.27	16.10	16.06	16.02	0.0	16.50	17.08	17.28	17.24	17.33	17.18	0.0	17.75
		64QAM	1	1	16.02	16.21	16.27	16.22	16.19	0.0	16.50	17.15	17.13	17.29	17.31	17.32	0.0	17.75
		256QAM	1	1	16.18	16.10	16.04	16.04	16.11	0.0	16.50	17.27	17.12	17.09	17.15	17.12	0.0	17.75
	CP-OFDM	QPSK	1	1	16.13	16.18	16.12	16.22	16.10	0.0	16.50	17.12	17.13	17.16	17.17	17.06	0.0	17.75

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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	MPR	Tune-up Limit	509200	513900	518600	523300	528000	MPR	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	PI/2 BPSK	1	1			24.02			0.0	24.25			17.54			0.0	18.00
		QPSK	1	1			23.91			0.0	24.25			17.47			0.0	18.00
			1	137			24.25			0.0	24.25			18.00			0.0	18.00
			1	271			24.19			0.0	24.25			17.42			0.0	18.00
			135	0			22.95			1.0	23.25			17.48			0.0	18.00
			135	69			24.25			0.0	24.25			18.00			0.0	18.00
			135	138			23.11			1.0	23.25			17.52			0.0	18.00
			270	0			23.25			1.0	23.25			18.00			0.0	18.00
		16QAM	1	1			22.96			1.0	23.25			17.52			0.0	18.00
		64QAM	1	1			21.52			2.5	21.75			17.31			0.0	18.00
		256QAM	1	1			19.43			4.5	19.75			17.53			0.0	18.00
	CP-OFDM	QPSK	1	1			22.46			1.5	22.75			17.59			0.0	18.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					508200	513400	518600	523800	529000	MPR	Tune-up Limit	508200	513400	518600	523800	529000	MPR	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	PI/2 BPSK	1	1			24.13			0.0	24.25			17.34			0.0	18.00
		QPSK	1	1			23.95			0.0	24.25			17.44			0.0	18.00
			1	123			24.11			0.0	24.25			17.51			0.0	18.00
			1	243			23.97			0.0	24.25			17.37			0.0	18.00
			120	0			22.96			1.0	23.25			17.47			0.0	18.00
			120	63			24.02			0.0	24.25			17.46			0.0	18.00
			120	125			23.14			1.0	23.25			17.35			0.0	18.00
			243	0			22.97			1.0	23.25			17.56			0.0	18.00
		16QAM	1	1			22.95			1.0	23.25			17.35			0.0	18.00
		64QAM	1	1			21.41			2.5	21.75			17.41			0.0	18.00
		256QAM	1	1			19.69			4.5	19.75			17.48			0.0	18.00
	CP-OFDM	QPSK	1	1			22.61			1.5	22.75			17.43			0.0	18.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					507200	512900	518600	524300	530000	MPR	Tune-up Limit	507200	512900	518600	524300	530000	MPR	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	PI/2 BPSK	1	1			24.13			0.0	24.25			17.55			0.0	18.00
		QPSK	1	1			24.12			0.0	24.25			17.44			0.0	18.00
			1	109			23.98			0.0	24.25			17.59			0.0	18.00
			1	215			24.04			0.0	24.25			17.58			0.0	18.00
			108	0			23.03			1.0	23.25			17.34			0.0	18.00
			108	55			24.12			0.0	24.25			17.55			0.0	18.00
			108	109			23.01			1.0	23.25			17.49			0.0	18.00
			216	0			23.19			1.0	23.25			17.34			0.0	18.00
		16QAM	1	1			23.01			1.0	23.25			17.42			0.0	18.00
		64QAM	1	1			21.57			2.5	21.75			17.31			0.0	18.00
		256QAM	1	1			19.46			4.5	19.75			17.57			0.0	18.00
	CP-OFDM	QPSK	1	1			22.50			1.5	22.75			17.52			0.0	18.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					505200	511900	518600	525300	532000	MPR	Tune-up Limit	505200	511900	518600	525300	532000	MPR	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	PI/2 BPSK	1	1	24.06	24.09	24.18	23.94	24.08	0.0	24.25	17.42	17.50	17.56	17.44	17.59	0.0	18.00
		QPSK	1	1	24.06	24.06	24.17	24.00	24.00	0.0	24.25	17.39	17.47	17.55	17.57	17.56	0.0	18.00
			1	81	24.05	24.16	24.11	24.02	24.02	0.0	24.25	17.49	17.46	17.36	17.40	17.34	0.0	18.00
			1	160	23.93	24.19	24.04	24.08	24.09	0.0	24.25	17.54	17.31	17.55	17.56	17.48	0.0	18.00
			81	0	23.00	23.14	23.16	23.17	22.97	1.0	23.25	17.36	17.34	17.38	17.57	17.30	0.0	18.00
			81	40	24.02	24.15	24.10	23.91	23.99	0.0	24.25	17.43	17.56	17.36	17.52	17.53	0.0	18.00
			81	81	23.04	23.14	23.10	23.08	23.16	1.0	23.25	17.42	17.34	17.32	17.57	17.60	0.0	18.00
			162	0	22.98	23.07	23.12	23.15	23.19	1.0	23.25	17.39	17.39	17.34	17.59	17.58	0.0	18.00
		16QAM	1	1	22.94	23.18	22.95	22.99	22.96	1.0	23.25	17.52	17.37	17.54	17.40	17.54	0.0	18.00
		64QAM	1	1	21.54	21.62	21.63	21.61	21.44	2.5	21.75	17.47	17.40	17.46	17.39	17.51	0.0	18.00
		256QAM	1	1	19.42	19.59	19.41	19.47	19.43	4.5	19.75	17.50	17.50	17.54	17.42	17.48	0.0	18.00
	CP-OFDM	QPSK	1	1	22.60	22.59	22.56	22.42	22.50	1.5	22.75	17.33	17.59	17.56	17.32	17.38	0.0	18.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					504200	511400	518600	525800	533000	MPR	Tune-up Limit	504200	511400	518600	525800	533000	MPR	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	PI/2 BPSK	1	1	24.19	23.90	23.95	24.18	24.09	0.0	24.25	17.42	17.46	17.53	17.53	17.52	0.0	18.00
		QPSK	1	1	24.04	24.08	24.16	23.94	24.08	0.0	24.25	17.33	17.54	17.36	17.32	17.40	0.0	18.00
			1	67	24.04	23.99	23.90	24.11	24.10	0.0	24.25	17.38	17.37	17.52	17.34	17.46	0.0	18.00
			1	131	24.17	24.10	23.91	24.06	23.95	0.0	24.25	17.33	17.34	17.34	17.35	17.50	0.0	18.00
			64	0	22.93	23.01	22.94	23.04	23.20	1.0	23.25	17.48	17.41	17.38	17.42	17.44	0.0	18.00
			64	35	24.04	23.93	24.16	24.07	23.99	0.0	24.25	17.37	17.60	17.44	17.46	17.47	0.0	18.00
			64	69	22.90	23.18	23.04	23.04	23.19	1.0	23.25	17.46	17.52	17.37	17.45	17.47	0.0	18.00
			128	0	23.03	23.08	23.15	22.95	23.19	1.0	23.25	17.40	17.44	17.33	17.48	17.34	0.0	18.00
		16QAM	1	1	22.95	22.91	23.04	22.98	22.91	1.0	23.25	17.55	17.35	17.57	17.57	17.57	0.0	18.00
		64QAM	1	1	21.68	21.61	21.61	21.52	21.43	2.5	21.75	17.59	17.44	17.52	17.52	17.50	0.0	18.00
		256QAM	1	1	19.43	19.45	19.54	19.53	19.51	4.5	19.75	17.56	17.57	17.48	17.42	17.47	0.0	18.00
	CP-OFDM	QPSK	1	1	22.46	22.60	22.66	22.42	22.65	1.5	22.75	17.44	17.37	17.50	17.30	17.56	0.0	18.00

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NR Band 41 Measured Results (ANT3) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					503200	510900	518600	526300	534000	MPR	Tune-up Limit	503200	510900	518600	526300	534000	MPR	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	PI/2 BPSK	1	1	24.18	24.03	24.15	24.06	23.93	0.0	24.25	17.35	17.51	17.49	17.58	17.41	0.0	18.00
		QPSK	1	1	23.92	24.16	24.11	24.06	23.97	0.0	24.25	17.51	17.31	17.36	17.50	17.51	0.0	18.00
			1	53	24.15	23.97	23.99	23.99	24.09	0.0	24.25	17.56	17.52	17.46	17.43	17.54	0.0	18.00
			1	104	23.98	24.16	24.03	24.05	23.96	0.0	24.25	17.59	17.48	17.48	17.44	17.54	0.0	18.00
			50	0	23.08	22.97	23.02	22.94	23.03	1.0	23.25	17.37	17.37	17.33	17.50	17.31	0.0	18.00
			50	28	23.95	23.96	23.91	24.06	24.16	0.0	24.25	17.51	17.53	17.48	17.57	17.56	0.0	18.00
			50	56	22.94	23.05	22.98	23.06	23.16	1.0	23.25	17.40	17.36	17.49	17.42	17.33	0.0	18.00
			100	0	22.92	23.00	23.12	23.13	23.14	1.0	23.25	17.45	17.42	17.39	17.35	17.40	0.0	18.00
		16QAM	1	1	23.19	22.96	23.13	23.14	22.91	1.0	23.25	17.46	17.33	17.59	17.48	17.41	0.0	18.00
		64QAM	1	1	21.41	21.52	21.66	21.56	21.61	2.5	21.75	17.40	17.58	17.51	17.58	17.57	0.0	18.00
		256QAM	1	1	19.54	19.47	19.64	19.67	19.48	4.5	19.75	17.46	17.45	17.31	17.54	17.43	0.0	18.00
	CP-OFDM	QPSK	1	1	22.68	22.56	22.44	22.59	22.47	1.5	22.75	17.35	17.42	17.32	17.58	17.31	0.0	18.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					501200	509900	518600	527300	536000	MPR	Tune-up Limit	501200	509900	518600	527300	536000	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	DFS-s OFDM	PI/2 BPSK	1	1	24.09	24.11	23.97	24.19	24.04	0.0	24.25	17.37	17.32	17.34	17.43	17.47	0.0	18.00
		QPSK	1	1	24.20	24.15	24.04	24.08	24.11	0.0	24.25	17.42	17.54	17.36	17.60	17.50	0.0	18.00
			1	26	24.12	23.93	24.02	23.98	24.11	0.0	24.25	17.36	17.33	17.37	17.51	17.33	0.0	18.00
			1	49	24.05	24.12	24.13	24.14	23.95	0.0	24.25	17.43	17.53	17.38	17.53	17.41	0.0	18.00
			25	0	23.00	23.01	23.06	23.06	23.14	1.0	23.25	17.44	17.47	17.53	17.55	17.41	0.0	18.00
			25	13	24.16	23.90	24.09	24.17	24.13	0.0	24.25	17.36	17.31	17.34	17.57	17.51	0.0	18.00
			25	26	22.98	23.09	22.92	22.93	22.98	1.0	23.25	17.46	17.52	17.33	17.52	17.44	0.0	18.00
			50	0	23.15	23.02	23.07	23.02	23.02	1.0	23.25	17.53	17.56	17.40	17.59	17.55	0.0	18.00
		16QAM	1	1	23.18	23.08	23.03	23.02	22.90	1.0	23.25	17.33	17.36	17.43	17.47	17.59	0.0	18.00
		64QAM	1	1	21.65	21.67	21.49	21.65	21.62	2.5	21.75	17.44	17.35	17.54	17.45	17.39	0.0	18.00
		256QAM	1	1	19.69	19.66	19.56	19.61	19.62	4.5	19.75	17.37	17.43	17.51	17.48	17.50	0.0	18.00
	CP-OFDM	QPSK	1	1	22.46	22.47	22.63	22.68	22.60	1.5	22.75	17.48	17.46	17.51	17.54	17.54	0.0	18.00

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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	MPR	Tune-up Limit	509200	513900	518600	523300	528000	MPR	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	PI/2 BPSK	1	1			19.24			0.0	19.75			19.99			0.0	20.75
		QPSK	1	1			19.10			0.0	19.75			20.03			0.0	20.75
			1	137			19.75			0.0	19.75			20.75			0.0	20.75
			1	271			19.09			0.0	19.75			20.20			0.0	20.75
			135	0			18.96			0.0	19.75			20.14			0.0	20.75
			135	69			19.75			0.0	19.75			20.75			0.0	20.75
			135	138			19.09			0.0	19.75			20.23			0.0	20.75
			270	0			19.75			0.0	19.75			20.75			0.0	20.75
		16QAM	1	1			19.02			0.0	19.75			20.16			0.0	20.75
		64QAM	1	1			19.21			0.0	19.75			19.95			0.0	20.75
		256QAM	1	1			19.01			0.0	19.75			20.07			0.0	20.75
	CP-OFDM	QPSK	1	1			18.96			0.0	19.75			20.13			0.0	20.75

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					508200	513400	518600	523800	529000	MPR	Tune-up Limit	508200	513400	518600	523800	529000	MPR	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	PI/2 BPSK	1	1			19.19			0.0	19.75			20.12			0.0	20.75
		QPSK	1	1			19.09			0.0	19.75			20.18			0.0	20.75
			1	123			19.15			0.0	19.75			20.24			0.0	20.75
			1	243			19.13			0.0	19.75			20.22			0.0	20.75
			120	0			19.11			0.0	19.75			20.20			0.0	20.75
			120	63			19.19			0.0	19.75			20.05			0.0	20.75
			120	125			19.06			0.0	19.75			19.95			0.0	20.75
			243	0			19.07			0.0	19.75			20.15			0.0	20.75
		16QAM	1	1			19.23			0.0	19.75			20.15			0.0	20.75
		64QAM	1	1			19.11			0.0	19.75			20.12			0.0	20.75
		256QAM	1	1			19.21			0.0	19.75			19.99			0.0	20.75
	CP-OFDM	QPSK	1	1			19.02			0.0	19.75			20.23			0.0	20.75

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					507200	512900	518600	524300	530000	MPR	Tune-up Limit	507200	512900	518600	524300	530000	MPR	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	PI/2 BPSK	1	1			19.02			0.0	19.75			19.97			0.0	20.75
		QPSK	1	1			19.10			0.0	19.75			20.03			0.0	20.75
			1	109			19.14			0.0	19.75			20.24			0.0	20.75
			1	215			19.13			0.0	19.75			20.11			0.0	20.75
			108	0			18.96			0.0	19.75			20.02			0.0	20.75
			108	55			19.22			0.0	19.75			20.22			0.0	20.75
			108	109			19.07			0.0	19.75			20.13			0.0	20.75
			216	0			19.21			0.0	19.75			20.01			0.0	20.75
		16QAM	1	1			19.03			0.0	19.75			20.12			0.0	20.75
		64QAM	1	1			19.22			0.0	19.75			20.08			0.0	20.75
		256QAM	1	1			19.01			0.0	19.75			20.15			0.0	20.75
	CP-OFDM	QPSK	1	1			19.07			0.0	19.75			19.99			0.0	20.75

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					505200	511900	518600	525300	532000	MPR	Tune-up Limit	505200	511900	518600	525300	532000	MPR	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	PI/2 BPSK	1	1	19.25	19.21	19.06	18.96	19.11	0.0	19.75	20.16	20.09	19.98	20.19	20.17	0.0	20.75
		QPSK	1	1	19.06	19.21	19.00	19.17	19.02	0.0	19.75	19.96	20.23	19.98	20.14	20.03	0.0	20.75
			1	81	18.99	18.96	19.02	19.25	19.04	0.0	19.75	20.19	20.14	20.13	20.24	20.09	0.0	20.75
			1	160	19.24	19.18	18.96	19.22	19.01	0.0	19.75	20.18	20.13	20.00	20.24	19.98	0.0	20.75
			81	0	19.23	19.16	19.20	19.10	19.23	0.0	19.75	20.08	20.07	20.20	20.02	20.07	0.0	20.75
			81	40	18.97	19.01	19.23	19.13	19.18	0.0	19.75	20.07	20.14	20.05	20.04	20.09	0.0	20.75
			81	81	19.21	19.13	19.07	19.05	19.12	0.0	19.75	20.02	19.97	19.99	20.18	20.19	0.0	20.75
			162	0	19.10	19.19	19.07	18.99	19.17	0.0	19.75	20.19	20.02	19.98	20.12	20.06	0.0	20.75
		16QAM	1	1	19.18	19.10	19.12	19.07	19.00	0.0	19.75	20.09	20.24	20.04	20.14	20.15	0.0	20.75
		64QAM	1	1	19.00	19.07	19.08	18.95	19.07	0.0	19.75	20.08	20.06	20.00	20.01	20.12	0.0	20.75
		256QAM	1	1	19.07	19.15	19.13	19.20	19.19	0.0	19.75	20.25	19.96	20.23	20.21	20.18	0.0	20.75
	CP-OFDM	QPSK	1	1	19.15	19.12	19.07	19.20	19.07	0.0	19.75	20.20	20.21	20.25	20.14	20.25	0.0	20.75

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					504200	511400	518600	525800	533000	MPR	Tune-up Limit	504200	511400	518600	525800	533000	MPR	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	PI/2 BPSK	1	1	19.05	19.05	19.14	19.17	18.99	0.0	19.75	20.05	20.24	20.14	20.23	20.02	0.0	20.75
		QPSK	1	1	19.01	19.15	19.07	18.98	19.10	0.0	19.75	20.22	20.23	20.12	20.25	20.11	0.0	20.75
			1	67	19.17	18.96	18.98	19.17	19.08	0.0	19.75	20.25	20.11	20.24	20.02	20.03	0.0	20.75
			1	131	19.07	19.21	19.03	19.12	19.16	0.0	19.75	20.19	20.00	20.21	20.07	20.11	0.0	20.75
			64	0	19.13	18.99	19.04	18.95	19.17	0.0	19.75	20.24	20.19	20.02	20.01	20.23	0.0	20.75
			64	35	19.18	18.96	19.07	19.04	19.16	0.0	19.75	20.01	19.96	20.00	20.19	20.02	0.0	20.75
			64	69	19.21	19.24	18.96	19.23	19.00	0.0	19.75	20.17	20.10	20.19	20.24	20.00	0.0	20.75
			128	0	19.08	19.21	18.99	19.15	19.03	0.0	19.75	20.01	20.02	20.06	20.21	20.10	0.0	20.75
		16QAM	1	1	18.98	19.04	19.09	19.23	19.18	0.0	19.75	20.19	20.03	20.10	19.96	19.96	0.0	20.75
		64QAM	1	1	19.04	19.02	19.19	18.97	19.07	0.0	19.75	20.00	19.95	20.01	19.98	20.13	0.0	20.75
		256QAM	1	1	19.11	19.15	19.12	19.04	19.23	0.0	19.75	20.15	20.00	20.07	19.96	20.10	0.0	20.75
	CP-OFDM	QPSK	1	1	19.18	19.03	19.22	18.99	19.11	0.0	19.75	20.07	20.12	20.19	20.18	20.03	0.0	20.75

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NR Band 41 Measured Results (ANT4) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					503200	510900	518600	526300	534000	MPR	Tune-up Limit	503200	510900	518600	526300	534000	MPR	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	Pi/2 BPSK	1	1	19.01	19.24	19.24	19.01	19.04	0.0	19.75	20.25	20.01	20.04	20.22	20.04	0.0	20.75
		QPSK	1	1	18.98	19.18	19.20	18.98	19.13	0.0	19.75	20.08	20.08	19.98	20.23	20.08	0.0	20.75
			1	53	19.03	19.23	19.04	19.14	19.13	0.0	19.75	20.17	20.12	20.09	20.19	20.00	0.0	20.75
			1	104	19.17	19.08	19.16	19.23	19.01	0.0	19.75	20.24	20.08	20.02	20.01	20.20	0.0	20.75
			50	0	19.18	19.03	18.96	19.04	19.13	0.0	19.75	20.00	19.96	20.12	20.13	20.14	0.0	20.75
			50	28	19.23	18.95	19.00	19.13	19.12	0.0	19.75	20.11	19.99	20.13	20.20	20.15	0.0	20.75
			50	56	19.00	19.08	19.10	19.21	19.19	0.0	19.75	20.19	20.12	20.06	20.24	20.12	0.0	20.75
			100	0	19.01	18.96	19.13	19.15	19.10	0.0	19.75	20.13	20.20	20.03	20.01	20.24	0.0	20.75
		16QAM	1	1	18.95	19.21	19.16	19.02	19.07	0.0	19.75	20.05	20.13	20.15	20.00	20.04	0.0	20.75
		64QAM	1	1	19.02	19.06	18.99	19.13	19.15	0.0	19.75	19.95	20.03	20.12	20.25	20.21	0.0	20.75
		256QAM	1	1	19.11	19.13	18.98	19.18	19.07	0.0	19.75	20.05	20.25	20.06	20.18	20.05	0.0	20.75
	CP-OFDM	QPSK	1	1	19.14	19.10	19.14	19.01	19.21	0.0	19.75	20.08	19.97	20.15	20.02	20.17	0.0	20.75

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					501200	509900	518600	527300	536000	MPR	Tune-up Limit	501200	509900	518600	527300	536000	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	DFS-s OFDM	Pi/2 BPSK	1	1	19.07	19.21	19.24	18.97	19.23	0.0	19.75	20.01	20.04	20.11	20.00	20.13	0.0	20.75
		QPSK	1	1	18.97	18.98	19.21	19.22	19.11	0.0	19.75	20.22	20.10	20.23	20.10	20.12	0.0	20.75
			1	26	19.12	19.24	19.22	19.09	18.95	0.0	19.75	20.13	20.14	20.22	20.24	20.04	0.0	20.75
			1	49	19.19	19.25	19.25	19.23	19.20	0.0	19.75	20.13	19.99	20.02	20.17	20.24	0.0	20.75
			25	0	19.11	18.99	19.13	19.04	18.95	0.0	19.75	20.09	20.02	20.09	20.11	19.96	0.0	20.75
			25	13	19.17	19.21	19.18	19.06	19.18	0.0	19.75	20.05	19.98	20.14	20.18	20.02	0.0	20.75
			25	26	19.07	19.08	19.20	19.07	18.99	0.0	19.75	20.19	20.06	19.97	20.20	20.00	0.0	20.75
			50	0	19.01	19.20	19.20	19.22	19.22	0.0	19.75	19.97	20.14	19.97	20.16	20.00	0.0	20.75
		16QAM	1	1	19.05	19.21	19.22	19.04	19.16	0.0	19.75	20.21	20.10	20.00	20.08	20.19	0.0	20.75
		64QAM	1	1	18.99	19.07	18.95	19.13	19.16	0.0	19.75	20.01	19.96	20.02	20.09	20.09	0.0	20.75
		256QAM	1	1	19.18	19.16	19.19	19.05	19.21	0.0	19.75	20.22	20.07	20.20	20.05	20.22	0.0	20.75
	CP-OFDM	QPSK	1	1	18.95	19.08	19.11	19.16	19.16	0.0	19.75	20.16	19.97	20.25	20.12	20.16	0.0	20.75

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NR Band 66 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
					344000	349000	354000			344000	349000	354000		
					1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.15	25.20	25.08	0.0	25.70	16.61	16.68	16.54	0.0	17.00
		QPSK	1	1	25.20	25.17	24.95	0.0	25.70	16.75	16.71	16.63	0.0	17.00
			1	53	25.70	25.70	25.70	0.0	25.70	17.00	17.00	17.00	0.0	17.00
			1	104	25.19	24.93	25.20	0.0	25.70	16.72	16.67	16.57	0.0	17.00
			50	0	24.09	23.91	24.09	1.0	24.70	16.65	16.73	16.76	0.0	17.00
			50	28	25.70	25.70	25.70	0.0	25.70	17.00	17.00	17.00	0.0	17.00
			50	56	24.07	24.02	24.20	1.0	24.70	16.76	16.72	16.69	0.0	17.00
			100	0	24.15	24.05	24.04	1.0	24.70	16.74	16.57	16.73	0.0	17.00
		16QAM	1	1	24.03	24.13	23.94	1.0	24.70	16.61	16.73	16.76	0.0	17.00
		64QAM	1	1	22.70	22.54	22.51	2.5	23.20	16.53	16.76	16.53	0.0	17.00
		256QAM	1	1	20.68	20.46	20.43	4.5	21.20	16.65	16.77	16.75	0.0	17.00
	CP-OFDM	QPSK	1	1	23.59	23.68	23.69	1.5	24.20	16.80	16.51	16.63	0.0	17.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
					343500	349000	354500			343500	349000	354500		
					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	25.14	24.90	25.03	0.0	25.70	16.61	16.59	16.74	0.0	17.00
		QPSK	1	1	24.92	25.04	25.14	0.0	25.70	16.70	16.79	16.50	0.0	17.00
			1	40	24.93	24.93	25.10	0.0	25.70	16.68	16.62	16.64	0.0	17.00
			1	77	25.17	25.19	25.12	0.0	25.70	16.53	16.68	16.69	0.0	17.00
			36	0	24.16	24.16	23.95	1.0	24.70	16.72	16.52	16.61	0.0	17.00
			36	22	25.00	25.11	25.11	0.0	25.70	16.55	16.79	16.71	0.0	17.00
			36	43	24.14	24.19	23.91	1.0	24.70	16.75	16.78	16.51	0.0	17.00
			75	0	24.12	23.95	24.10	1.0	24.70	16.70	16.61	16.55	0.0	17.00
		16QAM	1	1	24.15	23.98	23.93	1.0	24.70	16.67	16.53	16.75	0.0	17.00
		64QAM	1	1	22.55	22.62	22.66	2.5	23.20	16.58	16.64	16.66	0.0	17.00
		256QAM	1	1	20.57	20.64	20.67	4.5	21.20	16.79	16.62	16.60	0.0	17.00
	CP-OFDM	QPSK	1	1	23.61	23.53	23.48	1.5	24.20	16.67	16.68	16.78	0.0	17.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
					343000	349000	355000			343000	349000	355000		
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.07	25.14	25.13	0.0	25.70	16.65	16.77	16.71	0.0	17.00
		QPSK	1	1	24.94	24.90	25.10	0.0	25.70	16.61	16.78	16.62	0.0	17.00
			1	26	25.02	25.04	25.15	0.0	25.70	16.75	16.53	16.59	0.0	17.00
			1	50	24.92	25.11	25.09	0.0	25.70	16.74	16.58	16.79	0.0	17.00
			25	0	24.12	23.97	23.92	1.0	24.70	16.63	16.73	16.65	0.0	17.00
			25	14	24.92	25.12	25.00	0.0	25.70	16.52	16.67	16.51	0.0	17.00
			25	27	24.18	24.19	24.16	1.0	24.70	16.52	16.71	16.66	0.0	17.00
			50	0	24.11	24.11	24.10	1.0	24.70	16.53	16.53	16.75	0.0	17.00
		16QAM	1	1	24.16	24.05	24.12	1.0	24.70	16.57	16.61	16.73	0.0	17.00
		64QAM	1	1	22.64	22.56	22.49	2.5	23.20	16.67	16.75	16.68	0.0	17.00
		256QAM	1	1	20.49	20.53	20.49	4.5	21.20	16.79	16.50	16.62	0.0	17.00
	CP-OFDM	QPSK	1	1	23.54	23.43	23.64	1.5	24.20	16.74	16.61	16.52	0.0	17.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
					342500	349000	355500			342500	349000	355500		
					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	25.18	25.09	25.07	0.0	25.70	16.66	16.80	16.66	0.0	17.00
		QPSK	1	1	25.03	25.02	24.94	0.0	25.70	16.62	16.74	16.79	0.0	17.00
			1	13	24.98	24.93	24.92	0.0	25.70	16.55	16.60	16.56	0.0	17.00
			1	23	25.04	25.11	25.14	0.0	25.70	16.67	16.62	16.68	0.0	17.00
			12	0	24.06	24.11	24.16	1.0	24.70	16.65	16.51	16.55	0.0	17.00
			12	7	25.14	25.03	25.00	0.0	25.70	16.60	16.76	16.75	0.0	17.00
			12	13	24.14	24.10	24.10	1.0	24.70	16.64	16.52	16.59	0.0	17.00
			25	0	24.16	24.08	23.99	1.0	24.70	16.77	16.77	16.52	0.0	17.00
		16QAM	1	1	24.00	24.14	24.16	1.0	24.70	16.78	16.73	16.66	0.0	17.00
		64QAM	1	1	22.47	22.40	22.44	2.5	23.20	16.69	16.59	16.70	0.0	17.00
		256QAM	1	1	20.64	20.46	20.62	4.5	21.20	16.68	16.68	16.74	0.0	17.00
	CP-OFDM	QPSK	1	1	23.48	23.55	23.64	1.5	24.20	16.53	16.68	16.60	0.0	17.00

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NR Band 66 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					344000	349000	354000	MPR	Tune-up Limit	344000	349000	354000	MPR	Tune-up Limit
					1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	18.05	18.08	18.17	0.0	18.50	16.74	16.91	16.86	0.0	17.25
		QPSK	1	1	18.05	17.93	18.10	0.0	18.50	16.84	16.74	16.98	0.0	17.25
			1	53	18.50	18.50	18.50	0.0	18.50	17.25	17.25	17.25	0.0	17.25
			1	104	18.04	18.09	18.09	0.0	18.50	16.79	16.71	16.70	0.0	17.25
			50	0	18.16	18.06	18.11	0.0	18.50	16.93	16.76	16.87	0.0	17.25
			50	28	18.50	18.50	18.50	0.0	18.50	17.25	17.25	17.25	0.0	17.25
			50	56	18.00	18.06	17.94	0.0	18.50	16.77	16.98	16.85	0.0	17.25
			100	0	17.92	18.50	17.97	0.0	18.50	16.99	17.25	16.80	0.0	17.25
		16QAM	1	1	17.91	18.04	17.92	0.0	18.50	16.72	16.90	16.81	0.0	17.25
		64QAM	1	1	17.91	18.07	17.92	0.0	18.50	16.70	16.84	16.87	0.0	17.25
		256QAM	1	1	17.91	17.93	17.91	0.0	18.50	16.92	16.98	16.72	0.0	17.25
	CP-OFDM	QPSK	1	1	18.10	18.00	17.93	0.0	18.50	16.82	16.94	16.93	0.0	17.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343500	349000	354500	MPR	Tune-up Limit	343500	349000	354500	MPR	Tune-up Limit
					1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	18.09	18.19	18.11	0.0	18.50	16.83	16.95	16.80	0.0	17.25
		QPSK	1	1	18.01	18.03	18.03	0.0	18.50	16.92	16.95	16.82	0.0	17.25
			1	40	18.18	18.06	17.96	0.0	18.50	16.73	16.90	16.81	0.0	17.25
			1	77	18.13	18.08	18.10	0.0	18.50	16.90	16.96	16.71	0.0	17.25
			36	0	18.03	18.18	18.02	0.0	18.50	16.99	16.93	16.83	0.0	17.25
			36	22	18.02	18.00	18.17	0.0	18.50	16.89	16.90	16.70	0.0	17.25
			36	43	18.14	17.99	18.01	0.0	18.50	16.87	16.95	17.00	0.0	17.25
			75	0	18.12	18.12	18.01	0.0	18.50	16.84	16.80	16.83	0.0	17.25
		16QAM	1	1	18.03	17.96	18.17	0.0	18.50	16.98	16.94	16.98	0.0	17.25
		64QAM	1	1	18.18	18.12	17.98	0.0	18.50	16.87	17.00	16.85	0.0	17.25
		256QAM	1	1	18.19	17.92	17.98	0.0	18.50	16.86	16.82	16.70	0.0	17.25
	CP-OFDM	QPSK	1	1	18.08	18.06	17.96	0.0	18.50	16.85	16.99	16.76	0.0	17.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343000	349000	355000	MPR	Tune-up Limit	343000	349000	355000	MPR	Tune-up Limit
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	DFS-s OFDM	PI/2 BPSK	1	1	17.99	17.93	18.18	0.0	18.50	16.96	16.91	16.75	0.0	17.25
		QPSK	1	1	18.01	17.99	18.08	0.0	18.50	16.71	16.85	16.91	0.0	17.25
			1	26	18.10	18.07	17.95	0.0	18.50	16.75	16.79	16.86	0.0	17.25
			1	50	18.05	18.03	18.17	0.0	18.50	16.71	16.84	16.72	0.0	17.25
			25	0	17.90	18.08	18.10	0.0	18.50	16.96	16.93	16.81	0.0	17.25
			25	14	18.03	18.14	18.06	0.0	18.50	16.72	16.97	16.95	0.0	17.25
			25	27	17.93	18.06	18.19	0.0	18.50	16.90	16.95	16.78	0.0	17.25
			50	0	18.14	18.18	17.96	0.0	18.50	16.98	16.92	16.90	0.0	17.25
		16QAM	1	1	18.03	18.17	17.91	0.0	18.50	16.71	16.85	16.77	0.0	17.25
		64QAM	1	1	18.06	17.93	18.15	0.0	18.50	16.70	16.86	16.99	0.0	17.25
		256QAM	1	1	18.07	17.90	18.15	0.0	18.50	16.78	16.76	16.86	0.0	17.25
	CP-OFDM	QPSK	1	1	18.12	17.94	17.93	0.0	18.50	16.76	16.86	16.91	0.0	17.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					342500	349000	355500	MPR	Tune-up Limit	342500	349000	355500	MPR	Tune-up Limit
					1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	18.00	18.09	18.19	0.0	18.50	16.99	16.74	16.88	0.0	17.25
		QPSK	1	1	18.16	17.90	17.91	0.0	18.50	16.91	16.88	16.87	0.0	17.25
			1	13	17.95	18.10	18.14	0.0	18.50	16.87	16.90	16.87	0.0	17.25
			1	23	17.92	18.15	18.04	0.0	18.50	16.96	16.81	16.79	0.0	17.25
			12	0	18.18	18.14	18.13	0.0	18.50	16.93	16.91	16.75	0.0	17.25
			12	7	18.00	17.92	17.91	0.0	18.50	16.71	16.96	16.73	0.0	17.25
			12	13	17.93	18.11	18.07	0.0	18.50	16.89	16.94	16.86	0.0	17.25
			25	0	17.91	18.15	18.08	0.0	18.50	16.82	16.82	16.70	0.0	17.25
		16QAM	1	1	18.07	18.14	18.07	0.0	18.50	16.97	16.92	16.97	0.0	17.25
		64QAM	1	1	18.12	18.07	18.04	0.0	18.50	16.83	16.97	16.72	0.0	17.25
		256QAM	1	1	18.04	18.03	18.01	0.0	18.50	16.98	16.91	16.95	0.0	17.25
	CP-OFDM	QPSK	1	1	17.97	18.16	17.93	0.0	18.50	16.81	16.77	16.93	0.0	17.25

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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	23.95	24.20	24.02	0.0	24.70	20.72	20.88	20.97	0.0	21.25
		QPSK	1	1	23.90	23.94	24.12	0.0	24.70	20.95	20.96	20.88	0.0	21.25
			1	53	24.70	24.70	24.70	0.0	24.70	21.25	21.25	21.25	0.0	21.25
			1	104	23.99	24.09	24.04	0.0	24.70	20.99	20.98	20.82	0.0	21.25
			50	0	23.08	23.19	23.04	1.0	23.70	20.85	20.98	20.97	0.0	21.25
			50	28	24.70	24.70	24.70	0.0	24.70	21.25	21.25	21.25	0.0	21.25
			50	56	23.19	22.98	22.99	1.0	23.70	20.97	20.71	20.98	0.0	21.25
			100	0	23.11	23.02	23.11	1.0	23.70	20.97	20.99	20.81	0.0	21.25
		16QAM	1	1	22.92	23.18	22.91	1.0	23.70	20.93	20.70	20.92	0.0	21.25
		64QAM	1	1	21.55	21.57	21.60	2.5	22.20	20.74	20.96	20.79	0.0	21.25
		256QAM	1	1	19.45	19.44	19.57	4.5	20.20	20.93	20.90	20.75	0.0	21.25
	CP-OFDM	QPSK	1	1	22.40	22.48	22.41	1.5	23.20	20.71	20.79	21.00	0.0	21.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343500	349000	354500	MPR	Tune-up Limit	343500	349000	354500	MPR	Tune-up Limit
					1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.07	24.00	23.99	0.0	24.70	20.72	20.84	20.95	0.0	21.25
		QPSK	1	1	24.17	23.94	24.05	0.0	24.70	20.83	20.91	20.71	0.0	21.25
			1	40	24.04	23.92	24.15	0.0	24.70	20.96	20.89	20.89	0.0	21.25
			1	77	24.00	23.92	24.05	0.0	24.70	20.80	20.77	20.98	0.0	21.25
			36	0	23.16	23.02	23.19	1.0	23.70	20.91	20.85	20.99	0.0	21.25
			36	22	24.07	24.08	24.04	0.0	24.70	20.99	20.72	20.86	0.0	21.25
			36	43	22.96	23.04	23.18	1.0	23.70	20.97	20.82	20.97	0.0	21.25
			75	0	22.90	23.10	22.95	1.0	23.70	20.82	20.73	20.75	0.0	21.25
		16QAM	1	1	22.94	23.20	22.91	1.0	23.70	20.91	20.90	20.93	0.0	21.25
		64QAM	1	1	21.46	21.65	21.59	2.5	22.20	20.99	20.79	20.72	0.0	21.25
		256QAM	1	1	19.56	19.61	19.51	4.5	20.20	20.98	20.71	20.75	0.0	21.25
	CP-OFDM	QPSK	1	1	22.51	22.54	22.46	1.5	23.20	20.92	20.78	20.98	0.0	21.25
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343000	349000	355000	MPR	Tune-up Limit	343000	349000	355000	MPR	Tune-up Limit
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.17	24.15	24.10	0.0	24.70	20.90	20.89	20.73	0.0	21.25
		QPSK	1	1	24.20	23.95	24.06	0.0	24.70	20.85	20.82	20.88	0.0	21.25
			1	26	24.03	24.03	23.97	0.0	24.70	20.73	20.74	20.95	0.0	21.25
			1	50	24.04	23.97	24.13	0.0	24.70	20.72	20.78	20.85	0.0	21.25
			25	0	22.99	23.11	23.18	1.0	23.70	20.99	20.93	20.71	0.0	21.25
			25	14	24.09	24.02	24.15	0.0	24.70	20.87	20.90	21.00	0.0	21.25
			25	27	22.92	23.14	23.19	1.0	23.70	20.83	20.86	20.81	0.0	21.25
			50	0	23.19	23.03	23.13	1.0	23.70	20.98	20.74	20.85	0.0	21.25
		16QAM	1	1	23.07	22.99	23.17	1.0	23.70	20.83	20.84	20.89	0.0	21.25
		64QAM	1	1	21.60	21.42	21.41	2.5	22.20	20.71	20.87	20.86	0.0	21.25
		256QAM	1	1	19.68	19.49	19.61	4.5	20.20	20.89	20.89	20.96	0.0	21.25
	CP-OFDM	QPSK	1	1	22.66	22.67	22.44	1.5	23.20	20.88	20.81	20.94	0.0	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	23.94	24.02	24.10	0.0	24.70	20.71	20.78	20.84	0.0	21.25
		QPSK	1	1	23.97	23.93	24.19	0.0	24.70	20.72	21.00	20.85	0.0	21.25
			1	13	24.18	24.07	23.96	0.0	24.70	20.87	20.73	20.76	0.0	21.25
			1	23	24.02	24.07	24.08	0.0	24.70	20.94	20.83	20.97	0.0	21.25
			12	0	23.07	23.18	22.96	1.0	23.70	20.85	20.79	21.00	0.0	21.25
			12	7	23.97	24.03	24.17	0.0	24.70	20.89	20.89	20.72	0.0	21.25
			12	13	22.97	23.14	23.03	1.0	23.70	20.95	20.99	20.82	0.0	21.25
			25	0	22.92	23.18	23.08	1.0	23.70	20.89	20.98	20.94	0.0	21.25
		16QAM	1	1	22.93	23.19	23.14	1.0	23.70	20.99	20.85	20.89	0.0	21.25
		64QAM	1	1	21.49	21.62	21.62	2.5	22.20	20.81	20.78	20.81	0.0	21.25
		256QAM	1	1	19.42	19.46	19.66	4.5	20.20	20.87	20.97	20.78	0.0	21.25
	CP-OFDM	QPSK	1	1	22.60	22.43	22.53	1.5	23.20	20.88	20.87	20.84	0.0	21.25

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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	19.73	19.93	19.93	0.0	20.00	20.77	20.98	20.86	0.0	21.00
		QPSK	1	1	19.80	19.77	19.78	0.0	20.00	20.82	20.96	20.89	0.0	21.00
			1	53	20.00	20.00	20.00	0.0	20.00	21.00	21.00	21.00	0.0	21.00
			1	104	19.87	19.71	19.75	0.0	20.00	20.94	20.87	20.94	0.0	21.00
			50	0	19.92	19.89	19.88	0.0	20.00	20.98	20.85	20.83	0.0	21.00
			50	28	20.00	20.00	20.00	0.0	20.00	21.00	21.00	21.00	0.0	21.00
			50	56	19.84	19.93	19.94	0.0	20.00	20.80	20.98	20.87	0.0	21.00
			100	0	19.70	20.00	19.82	0.0	20.00	20.85	21.00	20.73	0.0	21.00
		16QAM	1	1	19.75	20.00	20.00	0.0	20.00	20.80	20.86	20.78	0.0	21.00
		64QAM	1	1	19.94	19.96	19.97	0.0	20.00	20.81	20.70	20.96	0.0	21.00
		256QAM	1	1	19.96	19.87	19.83	0.0	20.00	20.84	20.90	20.76	0.0	21.00
	CP-OFDM	QPSK	1	1	19.79	19.89	19.90	0.0	20.00	20.81	20.97	20.71	0.0	21.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343500	349000	354500	MPR	Tune-up Limit	343500	349000	354500	MPR	Tune-up Limit
					1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.72	19.94	19.76	0.0	20.00	20.91	20.72	20.93	0.0	21.00
		QPSK	1	1	19.78	19.79	19.88	0.0	20.00	20.83	20.82	20.91	0.0	21.00
			1	40	19.76	19.78	19.88	0.0	20.00	20.77	20.77	20.87	0.0	21.00
			1	77	19.80	19.78	19.84	0.0	20.00	20.73	20.88	20.71	0.0	21.00
			36	0	19.72	19.76	19.77	0.0	20.00	21.00	20.74	20.70	0.0	21.00
			36	22	19.96	19.98	19.85	0.0	20.00	20.72	20.84	20.80	0.0	21.00
			36	43	19.73	19.71	19.92	0.0	20.00	20.81	20.77	20.81	0.0	21.00
			75	0	19.71	19.86	19.94	0.0	20.00	20.88	20.99	20.75	0.0	21.00
		16QAM	1	1	19.72	19.96	19.82	0.0	20.00	20.87	20.96	20.79	0.0	21.00
		64QAM	1	1	19.82	19.84	19.96	0.0	20.00	20.98	20.83	20.90	0.0	21.00
		256QAM	1	1	19.79	19.74	19.78	0.0	20.00	20.72	20.82	20.88	0.0	21.00
	CP-OFDM	QPSK	1	1	19.84	19.78	19.77	0.0	20.00	20.88	21.00	20.91	0.0	21.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343000	349000	355000	MPR	Tune-up Limit	343000	349000	355000	MPR	Tune-up Limit
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.78	19.97	19.98	0.0	20.00	20.77	20.97	20.95	0.0	21.00
		QPSK	1	1	19.77	19.73	19.80	0.0	20.00	20.94	20.87	20.99	0.0	21.00
			1	26	19.72	19.91	19.99	0.0	20.00	20.89	20.71	20.85	0.0	21.00
			1	50	20.00	19.99	19.72	0.0	20.00	20.75	20.91	20.79	0.0	21.00
			25	0	19.85	19.81	19.97	0.0	20.00	20.88	20.89	20.84	0.0	21.00
			25	14	19.75	19.74	19.81	0.0	20.00	20.95	20.82	20.90	0.0	21.00
			25	27	19.74	19.81	19.70	0.0	20.00	20.76	20.82	20.73	0.0	21.00
			50	0	19.88	19.74	19.75	0.0	20.00	20.88	20.91	20.70	0.0	21.00
		16QAM	1	1	19.98	19.71	19.99	0.0	20.00	20.81	20.97	20.81	0.0	21.00
		64QAM	1	1	19.97	19.87	19.81	0.0	20.00	20.97	20.72	20.72	0.0	21.00
		256QAM	1	1	19.95	20.00	19.93	0.0	20.00	20.73	20.78	20.75	0.0	21.00
	CP-OFDM	QPSK	1	1	19.87	19.79	19.84	0.0	20.00	20.92	20.86	20.86	0.0	21.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					342500	349000	355500	MPR	Tune-up Limit	342500	349000	355500	MPR	Tune-up Limit
					1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	DFS-s OFDM	PI/2 BPSK	1	1	20.00	19.93	19.99	0.0	20.00	20.80	20.80	20.87	0.0	21.00
		QPSK	1	1	19.75	19.93	19.93	0.0	20.00	20.77	20.97	20.84	0.0	21.00
			1	13	19.88	19.86	19.77	0.0	20.00	20.74	20.72	20.91	0.0	21.00
			1	23	19.93	19.75	19.75	0.0	20.00	20.72	20.81	20.77	0.0	21.00
			12	0	19.91	19.94	19.81	0.0	20.00	20.78	20.86	20.82	0.0	21.00
			12	7	19.81	19.83	19.73	0.0	20.00	20.90	20.74	20.95	0.0	21.00
			12	13	19.92	19.94	19.96	0.0	20.00	20.85	20.99	20.80	0.0	21.00
			25	0	19.95	19.80	19.82	0.0	20.00	20.79	20.87	20.99	0.0	21.00
		16QAM	1	1	19.97	19.89	19.93	0.0	20.00	20.83	20.86	20.96	0.0	21.00
		64QAM	1	1	19.95	19.73	19.92	0.0	20.00	20.98	20.80	20.90	0.0	21.00
		256QAM	1	1	19.89	19.94	19.77	0.0	20.00	20.77	20.85	20.84	0.0	21.00
	CP-OFDM	QPSK	1	1	19.71	19.77	19.78	0.0	20.00	20.82	20.83	20.92	0.0	21.00

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NR Band 71 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					134600	136100	137600	MPR	Tune-up Limit	134600	136100	137600	MPR	Tune-up Limit
					673 MHz	680.5 MHz	688 MHz			673 MHz	680.5 MHz	688 MHz		
20 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	[redacted]	25.05	[redacted]	0.0	25.70	[redacted]	25.05	[redacted]	0.0	25.70
		QPSK	1	1		24.91		0.0	25.70		24.91		0.0	25.70
			1	53		25.70		0.0	25.70		25.70		0.0	25.70
			1	104		24.92		0.0	25.70		24.92		0.0	25.70
			50	0		24.03		1.0	24.70		24.03		1.0	24.70
			50	28		25.70		0.0	25.70		25.70		0.0	25.70
			50	56		24.01		1.0	24.70		24.01		1.0	24.70
			100	0		24.00		1.0	24.70		24.00		1.0	24.70
		16QAM	1	1		23.90		1.0	24.70		23.90		1.0	24.70
		64QAM	1	1		22.45		2.5	23.20		22.45		2.5	23.20
		256QAM	1	1		20.45		4.5	21.20		20.45		4.5	21.20
	CP-OFDM	QPSK	1	1		23.47		1.5	24.20		23.47		1.5	24.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					134100	136100	138100	MPR	Tune-up Limit	134100	136100	138100	MPR	Tune-up Limit
					670.5 MHz	680.5 MHz	690.5 MHz			670.5 MHz	680.5 MHz	690.5 MHz		
15 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	[redacted]	25.02	[redacted]	0.0	25.70	[redacted]	25.02	[redacted]	0.0	25.70
		QPSK	1	1		25.04		0.0	25.70		25.04		0.0	25.70
			1	40		25.01		0.0	25.70		25.01		0.0	25.70
			1	77		25.09		0.0	25.70		25.09		0.0	25.70
			36	0		24.17		1.0	24.70		24.17		1.0	24.70
			36	22		25.01		0.0	25.70		25.01		0.0	25.70
			36	43		24.01		1.0	24.70		24.01		1.0	24.70
			75	0		24.09		1.0	24.70		24.09		1.0	24.70
		16QAM	1	1		24.12		1.0	24.70		24.12		1.0	24.70
		64QAM	1	1		22.57		2.5	23.20		22.57		2.5	23.20
		256QAM	1	1		20.66		4.5	21.20		20.66		4.5	21.20
	CP-OFDM	QPSK	1	1		23.51		1.5	24.20		23.51		1.5	24.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					133600	136100	138600	MPR	Tune-up Limit	133600	136100	138600	MPR	Tune-up Limit
					668 MHz	680.5 MHz	693 MHz			668 MHz	680.5 MHz	693 MHz		
10 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	25.00	25.02	24.99	0.0	25.70	25.00	25.02	24.99	0.0	25.70
		QPSK	1	1	24.93	25.03	25.07	0.0	25.70	24.93	25.03	25.07	0.0	25.70
			1	26	25.12	25.05	25.10	0.0	25.70	25.12	25.05	25.10	0.0	25.70
			1	50	25.03	24.95	25.13	0.0	25.70	25.03	24.95	25.13	0.0	25.70
			25	0	24.02	24.18	23.92	1.0	24.70	24.02	24.18	23.92	1.0	24.70
			25	14	25.02	25.15	24.92	0.0	25.70	25.02	25.15	24.92	0.0	25.70
			25	27	24.20	24.17	24.00	1.0	24.70	24.20	24.17	24.00	1.0	24.70
			50	0	24.15	24.01	24.12	1.0	24.70	24.15	24.01	24.12	1.0	24.70
		16QAM	1	1	24.08	24.09	23.90	1.0	24.70	24.08	24.09	23.90	1.0	24.70
		64QAM	1	1	22.65	22.63	22.49	2.5	23.20	22.65	22.63	22.49	2.5	23.20
		256QAM	1	1	20.54	20.41	20.56	4.5	21.20	20.54	20.41	20.56	4.5	21.20
	CP-OFDM	QPSK	1	1	23.56	23.42	23.67	1.5	24.20	23.56	23.42	23.67	1.5	24.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					133100	136100	139100	MPR	Tune-up Limit	133100	136100	139100	MPR	Tune-up Limit
					665.5 MHz	680.5 MHz	695.5 MHz			665.5 MHz	680.5 MHz	695.5 MHz		
5 MHz	DFS-s OFDM	Pi/2 BPSK	1	1	24.91	24.91	24.96	0.0	25.70	24.91	24.91	24.96	0.0	25.70
		QPSK	1	1	25.16	25.05	24.90	0.0	25.70	25.16	25.05	24.90	0.0	25.70
			1	13	24.95	24.90	25.14	0.0	25.70	24.95	24.90	25.14	0.0	25.70
			1	23	25.16	25.01	25.07	0.0	25.70	25.16	25.01	25.07	0.0	25.70
			12	0	24.05	24.15	24.10	1.0	24.70	24.05	24.15	24.10	1.0	24.70
			12	7	24.96	24.99	25.15	0.0	25.70	24.96	24.99	25.15	0.0	25.70
			12	13	24.08	23.91	23.98	1.0	24.70	24.08	23.91	23.98	1.0	24.70
			25	0	23.97	24.12	23.97	1.0	24.70	23.97	24.12	23.97	1.0	24.70
		16QAM	1	1	24.07	23.91	24.00	1.0	24.70	24.07	23.91	24.00	1.0	24.70
		64QAM	1	1	22.52	22.49	22.45	2.5	23.20	22.52	22.49	22.45	2.5	23.20
		256QAM	1	1	20.61	20.47	20.51	4.5	21.20	20.61	20.47	20.51	4.5	21.20
	CP-OFDM	QPSK	1	1	23.57	23.48	23.52	1.5	24.20	23.57	23.48	23.52	1.5	24.20

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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		23.87		0.0	24.50		23.87		0.0	24.50
		QPSK	1	1		23.92		0.0	24.50		23.92		0.0	24.50
			1	53		24.50		0.0	24.50		24.50		0.0	24.50
			1	104		23.93		0.0	24.50		23.93		0.0	24.50
			50	0		22.91		1.0	23.50		22.91		1.0	23.50
			50	28		24.50		0.0	24.50		24.50		0.0	24.50
			50	56		22.87		1.0	23.50		22.87		1.0	23.50
			100	0		22.91		1.0	23.50		22.91		1.0	23.50
		16QAM	1	1		22.89		1.0	23.50		22.89		1.0	23.50
		64QAM	1	1		21.37		2.5	22.00		21.37		2.5	22.00
		256QAM	1	1		19.22		4.5	20.00		19.22		4.5	20.00
	CP-OFDM	QPSK	1	1		22.26		1.5	23.00		22.26		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		23.84		0.0	24.50		23.84		0.0	24.50
		QPSK	1	1		23.89		0.0	24.50		23.89		0.0	24.50
			1	40		23.79		0.0	24.50		23.79		0.0	24.50
			1	77		23.89		0.0	24.50		23.89		0.0	24.50
			36	0		22.75		1.0	23.50		22.75		1.0	23.50
			36	22		23.77		0.0	24.50		23.77		0.0	24.50
			36	43		22.99		1.0	23.50		22.99		1.0	23.50
			75	0		22.78		1.0	23.50		22.78		1.0	23.50
		16QAM	1	1		22.81		1.0	23.50		22.81		1.0	23.50
		64QAM	1	1		21.20		2.5	22.00		21.20		2.5	22.00
		256QAM	1	1		19.48		4.5	20.00		19.48		4.5	20.00
	CP-OFDM	QPSK	1	1		22.38		1.5	23.00		22.38		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	23.75	23.88	23.78	0.0	24.50	23.75	23.88	23.78	0.0	24.50
		QPSK	1	1	23.94	23.76	23.70	0.0	24.50	23.94	23.76	23.70	0.0	24.50
			1	26	23.88	23.80	23.91	0.0	24.50	23.88	23.80	23.91	0.0	24.50
			1	50	23.82	23.71	23.84	0.0	24.50	23.82	23.71	23.84	0.0	24.50
			25	0	22.90	22.94	22.75	1.0	23.50	22.90	22.94	22.75	1.0	23.50
			25	14	23.76	23.85	23.83	0.0	24.50	23.76	23.85	23.83	0.0	24.50
			25	27	22.94	22.97	22.79	1.0	23.50	22.94	22.97	22.79	1.0	23.50
			50	0	22.71	22.74	22.82	1.0	23.50	22.71	22.74	22.82	1.0	23.50
		16QAM	1	1	22.83	22.81	22.88	1.0	23.50	22.83	22.81	22.88	1.0	23.50
		64QAM	1	1	21.34	21.32	21.29	2.5	22.00	21.34	21.32	21.29	2.5	22.00
		256QAM	1	1	19.35	19.45	19.38	4.5	20.00	19.35	19.45	19.38	4.5	20.00
	CP-OFDM	QPSK	1	1	22.29	22.21	22.46	1.5	23.00	22.29	22.21	22.46	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	23.91	23.76	23.99	0.0	24.50	23.91	23.76	23.99	0.0	24.50
		QPSK	1	1	23.73	23.77	23.98	0.0	24.50	23.73	23.77	23.98	0.0	24.50
			1	13	23.91	23.87	23.77	0.0	24.50	23.91	23.87	23.77	0.0	24.50
			1	23	23.97	23.80	23.70	0.0	24.50	23.97	23.80	23.70	0.0	24.50
			12	0	22.81	22.80	22.78	1.0	23.50	22.81	22.80	22.78	1.0	23.50
			12	7	23.75	23.86	24.00	0.0	24.50	23.75	23.86	24.00	0.0	24.50
			12	13	22.91	22.94	22.74	1.0	23.50	22.91	22.94	22.74	1.0	23.50
			25	0	22.91	22.85	22.84	1.0	23.50	22.91	22.85	22.84	1.0	23.50
		16QAM	1	1	22.90	23.00	22.71	1.0	23.50	22.90	23.00	22.71	1.0	23.50
		64QAM	1	1	21.36	21.48	21.45	2.5	22.00	21.36	21.48	21.45	2.5	22.00
		256QAM	1	1	19.47	19.30	19.50	4.5	20.00	19.47	19.30	19.50	4.5	20.00
	CP-OFDM	QPSK	1	1	22.23	22.37	22.24	1.5	23.00	22.23	22.37	22.24	1.5	23.00

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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	MPR	Tune-up Limit	650000	653000	656000	659000	662000	MPR	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	P/2 BPSK	1	1			25.02			0.0	25.7			18.04			0.0	18.25
		QPSK	1	1			24.97			0.0	25.7			18.01			0.0	18.25
			1	137			25.20			0.0	25.7			18.25			0.0	18.25
			1	271			24.96			0.0	25.7			18.17			0.0	18.25
			135	0			24.08			1.0	24.7			18.13			0.0	18.25
			135	69			25.20			0.0	25.7			18.25			0.0	18.25
			135	138			24.13			1.0	24.7			18.14			0.0	18.25
			270	0			24.17			1.0	24.7			18.25			0.0	18.25
		16QAM	1	1			24.19			1.0	24.7			18.01			0.0	18.25
		64QAM	1	1			22.51			2.5	23.2			18.11			0.0	18.25
		256QAM	1	1			20.64			4.5	21.2			17.98			0.0	18.25
	CP-OFDM	QPSK	1	1			23.41			1.5	24.2			18.20			0.0	18.25

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					649666	652834	656000	659166	662334	MPR	Tune-up Limit	649666	652834	656000	659166	662334	MPR	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	P/2 BPSK	1	1			25.07			0.0	25.7			18.14			0.0	18.25
		QPSK	1	1			25.02			0.0	25.70			17.98			0.0	18.25
			1	123			25.19			0.0	25.70			18.02			0.0	18.25
			1	243			24.90			0.0	25.70			18.24			0.0	18.25
			120	0			24.08			1.0	24.70			17.97			0.0	18.25
			120	63			25.16			0.0	25.70			18.17			0.0	18.25
			120	125			24.10			1.0	24.70			18.02			0.0	18.25
			243	0			24.08			1.0	24.70			18.08			0.0	18.25
		16QAM	1	1			24.01			1.0	24.70			18.17			0.0	18.25
		64QAM	1	1			22.46			2.5	23.20			17.99			0.0	18.25
		256QAM	1	1			20.48			4.5	21.20			18.00			0.0	18.25
	CP-OFDM	QPSK	1	1			23.70			1.5	24.20			18.24			0.0	18.25

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					649334	652666	656000	659334	662666	MPR	Tune-up Limit	649334	652666	656000	659334	662666	MPR	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	P/2 BPSK	1	1	24.91	25.00	24.92	24.91	25.06	0.0	25.70	18.11	18.14	18.12	18.09	18.00	0.0	18.25
		QPSK	1	1	25.09	25.07	25.08	25.17	25.15	0.0	25.70	18.06	18.07	18.20	18.21	18.13	0.0	18.25
			1	109	24.97	25.18	25.13	24.90	25.06	0.0	25.70	18.12	17.99	18.18	18.06	18.14	0.0	18.25
			1	215	25.14	25.03	24.95	24.99	24.92	0.0	25.70	18.05	18.16	17.95	18.19	17.98	0.0	18.25
			108	0	24.19	24.00	24.13	23.93	24.15	1.0	24.70	18.14	18.03	18.07	18.19	18.10	0.0	18.25
			108	55	24.93	24.96	24.94	24.95	24.93	0.0	25.70	18.22	17.97	18.13	18.12	18.02	0.0	18.25
			108	109	23.99	24.04	24.08	24.14	24.19	1.0	24.70	17.96	18.17	18.03	18.03	18.20	0.0	18.25
			216	0	24.01	24.14	24.15	24.06	24.10	1.0	24.70	18.06	18.21	18.15	18.00	18.14	0.0	18.25
		16QAM	1	1	24.14	23.91	23.95	24.18	24.17	1.0	24.70	18.06	18.05	18.00	18.23	18.12	0.0	18.25
		64QAM	1	1	22.45	22.64	22.43	22.68	22.69	2.5	23.20	17.99	17.99	17.99	18.02	18.24	0.0	18.25
		256QAM	1	1	20.51	20.49	20.67	20.47	20.55	4.5	21.20	17.99	18.22	18.23	18.14	17.98	0.0	18.25
	CP-OFDM	QPSK	1	1	23.48	23.44	23.50	23.67	23.40	1.5	24.20	18.04	17.97	18.23	18.16	18.24	0.0	18.25

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648666	652334	656000	659666	663334	MPR	Tune-up Limit	648666	652334	656000	659666	663334	MPR	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	P/2 BPSK	1	1	25.03	25.01	24.95	25.06	25.15	0.0	25.70	18.08	17.96	18.18	18.03	18.07	0.0	18.25
		QPSK	1	1	24.98	25.18	24.93	25.16	24.99	0.0	25.70	18.10	18.20	18.24	18.16	18.14	0.0	18.25
			1	81	24.96	24.94	25.16	25.14	24.91	0.0	25.70	18.24	17.95	18.13	17.98	18.15	0.0	18.25
			1	160	25.20	25.20	24.93	24.98	25.06	0.0	25.70	18.02	18.16	18.20	18.19	18.15	0.0	18.25
			81	0	24.11	23.97	24.17	24.05	23.99	1.0	24.70	18.25	18.18	18.17	18.05	18.02	0.0	18.25
			81	40	25.05	24.93	24.98	25.14	25.09	0.0	25.70	17.98	18.20	18.07	18.04	18.09	0.0	18.25
			81	81	24.19	24.10	24.15	24.14	23.95	1.0	24.70	18.20	18.24	18.01	18.10	18.04	0.0	18.25
			162	0	24.07	23.98	24.03	23.92	24.04	1.0	24.70	17.97	18.15	18.08	18.07	18.19	0.0	18.25
		16QAM	1	1	23.94	24.15	23.98	24.07	24.11	1.0	24.70	18.17	18.05	17.98	18.03	18.06	0.0	18.25
		64QAM	1	1	22.53	22.52	22.42	22.53	22.67	2.5	23.20	18.09	17.97	18.07	18.19	18.19	0.0	18.25
		256QAM	1	1	20.51	20.44	20.70	20.43	20.61	4.5	21.20	18.20	18.04	18.20	18.13	18.14	0.0	18.25
	CP-OFDM	QPSK	1	1	23.50	23.52	23.44	23.47	23.51	1.5	24.20	18.03	18.15	18.24	18.24	18.17	0.0	18.25

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648334	652166	656000	659834	663666	MPR	Tune-up Limit	648334	652166	656000	659834	663666	MPR	Tune-up Limit
					3725.01 MHz	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	P/2 BPSK	1	1	25.07	24.91	25.13	25.05	24.91	0.0	25.70	18.15	18.17	18.07	18.00	18.04	0.0	18.25
		QPSK	1	1	25.06	24.91	25.00	24.92	25.05	0.0	25.70	18.11	18.15	18.19	17.99	18.24	0.0	18.25
			1	67	25.18	24.97	25.03	25.17	24.98	0.0	25.70	18.08	18.15	18.03	18.05	18.08	0.0	18.25
			1	131	25.06	24.94	24.90	24.96	24.98	0.0	25.70	18.00	18.00	17.99	18.23	18.15	0.0	18.25
			64	0	24.04	23.97	24.08	24.11	24.12	1.0	24.70	18.14	18.06	18.17	18.23	17.96	0.0	18.25
			64	35	25.10	25.16	25.11	24.94	25.03	0.0	25.70	18.13	17.96	18.08	17.95	18.24	0.0	18.25
			64	69	24.01	23.99	24.03	24.05	23.94	1.0	24.70	18.01	18.06	18.24	18.09	18.24	0.0	18.25
			128	0	24.09	24.15	24.03	24.17	24.17	1.0	24.70	18.16	18.04	17.98	18.17	18.14	0.0	18.25
		16QAM	1	1	24.05	24.03	24.04	24.01	24.17	1.0	24.70	17.97	18.01	18.13	18.21	18.14	0.0	18.25
		64QAM	1	1	22.68	22.62	22.45	22.57	22.59	2.5	23.20	18.18	18.19	18.12	18.06	17.96	0.0	18.25
		256QAM	1	1	20.52	20.51	20.48	20.65	20.63	4.5	21.20	18.02	18.08	18.05	18.00	17.96	0.0	18.25
	CP-OFDM	QPSK	1	1	23.63	23.59	23.51	23.52	23.51	1.5	24.20	18.05	18.23	18.25	18.21	18.02	0.0	18.25

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NR Band 77 Measured Results (ANT7) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648000	652000	656000	660000	664000	MPR	Tune-up Limit	648000	652000	656000	660000	664000	MPR	Tune-up Limit
					3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz		
40 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.01	25.00	24.94	25.03	25.18	0.0	25.70	18.25	17.95	18.17	18.22	18.15	0.0	18.25
		QPSK	1	1	24.97	25.18	25.02	25.02	24.94	0.0	25.70	18.06	17.95	18.24	18.17	18.05	0.0	18.25
			1	53	25.12	25.00	25.03	24.90	25.19	0.0	25.70	18.02	18.05	18.14	18.02	18.18	0.0	18.25
			1	104	25.15	25.09	24.90	25.08	25.19	0.0	25.70	18.01	18.09	18.07	18.21	17.98	0.0	18.25
			50	0	24.03	23.91	23.96	24.17	24.03	1.0	24.70	18.25	17.96	18.14	18.03	17.95	0.0	18.25
			50	28	25.02	25.12	24.98	25.14	25.18	0.0	25.70	18.05	18.20	18.19	18.18	18.06	0.0	18.25
			50	56	23.90	24.09	23.93	23.94	23.99	1.0	24.70	18.07	18.14	17.97	17.98	17.97	0.0	18.25
			100	0	24.13	24.01	24.16	23.97	24.16	1.0	24.70	18.00	18.21	18.12	18.01	18.07	0.0	18.25
		16QAM	1	1	23.94	24.01	24.13	24.17	23.96	1.0	24.70	18.04	18.01	18.11	18.09	18.24	0.0	18.25
		64QAM	1	1	22.61	22.43	22.61	22.51	22.64	2.5	23.20	18.03	18.22	18.16	18.13	18.24	0.0	18.25
		256QAM	1	1	20.62	20.48	20.53	20.47	20.55	4.5	21.20	18.00	17.98	18.21	18.10	18.02	0.0	18.25
	CP-OFDM	QPSK	1	1	23.44	23.65	23.56	23.67	23.48	1.5	24.20	18.24	18.06	18.13	18.01	18.08	0.0	18.25

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					647334	651666	656000	660266	664666	MPR	Tune-up Limit	647334	651666	656000	660266	664666	MPR	Tune-up Limit
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.11	25.13	25.14	25.11	24.91	0.0	25.70	18.18	18.02	18.03	17.95	18.08	0.0	18.25
		QPSK	1	1	25.11	24.99	25.00	24.92	25.13	0.0	25.70	18.17	18.01	18.17	18.01	18.00	0.0	18.25
			1	26	25.01	24.99	25.05	24.92	25.11	0.0	25.70	18.19	18.00	18.06	18.15	18.22	0.0	18.25
			1	49	25.07	25.10	25.04	25.16	24.95	0.0	25.70	18.09	18.11	18.01	18.12	18.18	0.0	18.25
			25	0	24.09	23.96	24.11	24.09	24.13	1.0	24.70	18.11	18.15	18.08	18.14	18.08	0.0	18.25
			25	13	25.17	24.97	25.06	25.03	25.09	0.0	25.70	18.23	18.12	18.17	18.20	18.01	0.0	18.25
			25	26	23.92	24.04	23.91	23.91	24.02	1.0	24.70	18.02	17.98	18.09	18.21	18.04	0.0	18.25
			50	0	24.17	24.09	24.06	23.92	23.95	1.0	24.70	18.12	18.16	18.18	18.09	18.16	0.0	18.25
		16QAM	1	1	23.91	24.15	24.19	23.93	24.02	1.0	24.70	18.10	18.24	18.01	18.03	17.99	0.0	18.25
		64QAM	1	1	22.51	22.61	22.53	22.46	22.45	2.5	23.20	18.20	18.12	18.01	18.22	18.00	0.0	18.25
		256QAM	1	1	20.69	20.46	20.55	20.44	20.45	4.5	21.20	17.95	18.18	18.02	18.12	18.22	0.0	18.25
	CP-OFDM	QPSK	1	1	23.57	23.65	23.55	23.62	23.58	1.5	24.20	18.12	18.21	17.98	18.20	18.19	0.0	18.25

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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	MPR	Tune-up Limit	650000	653000	656000	659000	662000	MPR	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	PI/2 BPSK	1	1			19.41			0.0	20.00			16.83			0.0	17.50
		QPSK	1	1			19.36			0.0	20.00			16.73			0.0	17.50
			1	137			20.00			0.0	20.00			17.00			0.0	17.50
			1	271			19.38			0.0	20.00			16.65			0.0	17.50
			135	0			19.48			0.0	20.00			16.62			0.0	17.50
			135	69			20.00			0.0	20.00			17.00			0.0	17.50
			135	138			19.43			0.0	20.00			16.90			0.0	17.50
			270	0			20.00			0.0	20.00			17.00			0.0	17.50
		16QAM	1	1			19.43			0.0	20.00			16.86			0.0	17.50
		64QAM	1	1			19.47			0.0	20.00			16.64			0.0	17.50
		256QAM	1	1			19.41			0.0	20.00			16.89			0.0	17.50
	CP-OFDM	QPSK	1	1			19.36			0.0	20.00			16.89			0.0	17.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					649666	652834	656000	659166	662334	MPR	Tune-up Limit	649666	652834	656000	659166	662334	MPR	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	PI/2 BPSK	1	1			19.44			0.0	20.00			16.81			0.0	17.50
		QPSK	1	1			19.38			0.0	20.00			16.65			0.0	17.50
			1	123			19.47			0.0	20.00			16.72			0.0	17.50
			1	243			19.25			0.0	20.00			16.79			0.0	17.50
			120	0			19.22			0.0	20.00			16.66			0.0	17.50
			120	63			19.35			0.0	20.00			16.83			0.0	17.50
			120	125			19.49			0.0	20.00			16.62			0.0	17.50
			243	0			19.50			0.0	20.00			16.73			0.0	17.50
		16QAM	1	1			19.50			0.0	20.00			16.86			0.0	17.50
		64QAM	1	1			19.47			0.0	20.00			16.89			0.0	17.50
		256QAM	1	1			19.22			0.0	20.00			16.60			0.0	17.50
	CP-OFDM	QPSK	1	1			19.40			0.0	20.00			16.71			0.0	17.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					649334	652666	656000	659334	662666	MPR	Tune-up Limit	649334	652666	656000	659334	662666	MPR	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	PI/2 BPSK	1	1	19.32	19.40	19.26	19.36	19.31	0.0	20.00	16.85	16.64	16.62	16.85	16.60	0.0	17.50
		QPSK	1	1	19.39	19.40	19.22	19.43	19.35	0.0	20.00	16.85	16.61	16.74	16.71	16.71	0.0	17.50
			1	109	19.33	19.47	19.39	19.38	19.37	0.0	20.00	16.73	16.80	16.77	16.90	16.77	0.0	17.50
			1	215	19.24	19.21	19.33	19.36	19.40	0.0	20.00	16.70	16.73	16.78	16.79	16.76	0.0	17.50
			108	0	19.32	19.39	19.27	19.44	19.46	0.0	20.00	16.88	16.85	16.77	16.76	16.74	0.0	17.50
			108	55	19.47	19.25	19.48	19.46	19.36	0.0	20.00	16.81	16.87	16.73	16.68	16.64	0.0	17.50
			108	109	19.29	19.29	19.45	19.40	19.48	0.0	20.00	16.86	16.69	16.64	16.74	16.65	0.0	17.50
			216	0	19.35	19.23	19.36	19.23	19.29	0.0	20.00	16.63	16.75	16.76	16.71	16.63	0.0	17.50
		16QAM	1	1	19.42	19.35	19.36	19.27	19.37	0.0	20.00	16.70	16.88	16.72	16.86	16.85	0.0	17.50
		64QAM	1	1	19.39	19.50	19.45	19.34	19.27	0.0	20.00	16.67	16.83	16.66	16.61	16.84	0.0	17.50
		256QAM	1	1	19.38	19.42	19.24	19.43	19.27	0.0	20.00	16.79	16.70	16.83	16.67	16.80	0.0	17.50
	CP-OFDM	QPSK	1	1	19.22	19.39	19.21	19.36	19.25	0.0	20.00	16.67	16.64	16.79	16.61	16.72	0.0	17.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648666	652334	656000	659666	663334	MPR	Tune-up Limit	648666	652334	656000	659666	663334	MPR	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	PI/2 BPSK	1	1	19.35	19.41	19.28	19.34	19.37	0.0	20.00	16.63	16.64	16.68	16.71	16.78	0.0	17.50
		QPSK	1	1	19.24	19.34	19.44	19.38	19.28	0.0	20.00	16.77	16.70	16.88	16.88	16.80	0.0	17.50
			1	81	19.32	19.26	19.28	19.44	19.49	0.0	20.00	16.85	16.65	16.65	16.82	16.69	0.0	17.50
			1	160	19.44	19.26	19.37	19.37	19.23	0.0	20.00	16.72	16.75	16.65	16.89	16.75	0.0	17.50
			81	0	19.29	19.38	19.38	19.47	19.47	0.0	20.00	16.82	16.84	16.88	16.83	16.68	0.0	17.50
			81	40	19.35	19.34	19.44	19.28	19.42	0.0	20.00	16.61	16.61	16.62	16.86	16.88	0.0	17.50
			81	81	19.27	19.26	19.20	19.21	19.28	0.0	20.00	16.81	16.74	16.82	16.71	16.80	0.0	17.50
			162	0	19.49	19.22	19.26	19.25	19.21	0.0	20.00	16.85	16.88	16.71	16.88	16.64	0.0	17.50
		16QAM	1	1	19.37	19.49	19.26	19.46	19.23	0.0	20.00	16.81	16.65	16.89	16.75	16.69	0.0	17.50
		64QAM	1	1	19.23	19.30	19.37	19.33	19.21	0.0	20.00	16.66	16.87	16.60	16.80	16.63	0.0	17.50
		256QAM	1	1	19.35	19.44	19.24	19.38	19.49	0.0	20.00	16.85	16.89	16.72	16.79	16.75	0.0	17.50
	CP-OFDM	QPSK	1	1	19.22	19.23	19.27	19.27	19.44	0.0	20.00	16.62	16.68	16.76	16.79	16.82	0.0	17.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648334	652166	656000	659834	663666	MPR	Tune-up Limit	648334	652166	656000	659834	663666	MPR	Tune-up Limit
					3725.01 MHz	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	PI/2 BPSK	1	1	19.42	19.30	19.34	19.43	19.29	0.0	20.00	16.75	16.87	16.63	16.80	16.67	0.0	17.50
		QPSK	1	1	19.35	19.33	19.46	19.43	19.41	0.0	20.00	16.63	16.81	16.68	16.63	16.77	0.0	17.50
			1	67	19.21	19.38	19.37	19.35	19.39	0.0	20.00	16.72	16.82	16.63	16.69	16.62	0.0	17.50
			1	131	19.46	19.39	19.37	19.32	19.24	0.0	20.00	16.74	16.86	16.80	16.73	16.70	0.0	17.50
			64	0	19.30	19.42	19.50	19.44	19.23	0.0	20.00	16.83	16.79	16.81	16.65	16.68	0.0	17.50
			64	35	19.41	19.22	19.29	19.41	19.40	0.0	20.00	16.74	16.75	16.79	16.84	16.73	0.0	17.50
			64	69	19.48	19.27	19.21	19.45	19.31	0.0	20.00	16.74	16.74	16.90	16.64	16.81	0.0	17.50
			128	0	19.24	19.25	19.41	19.42	19.44	0.0	20.00	16.63	16.69	16.67	16.73	16.69	0.0	17.50
		16QAM	1	1	19.33	19.48	19.41	19.29	19.50	0.0	20.00	16.84	16.73	16.89	16.84	16.64	0.0	17.50
		64QAM	1	1	19.50	19.49	19.20	19.39	19.38	0.0	20.00	16.84	16.73	16.65	16.72	16.77	0.0	17.50
		256QAM	1	1	19.49	19.33	19.50	19.28	19.21	0.0	20.00	16.73	16.84	16.64	16.62	16.85	0.0	17.50
	CP-OFDM	QPSK	1	1	19.46	19.29	19.25	19.25	19.46	0.0	20.00	16.81	16.90	16.74	16.89	16.85	0.0	17.50

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NR Band 77 Measured Results (ANT8) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648000	652000	656000	660000	664000	MPR	Tune-up Limit	648000	652000	656000	660000	664000	MPR	Tune-up Limit
					3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz		
40 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.26	19.25	19.34	19.21	19.24	0.0	20.00	16.64	16.79	16.65	16.63	16.63	0.0	17.50
		QPSK	1	1	19.29	19.46	19.27	19.47	19.39	0.0	20.00	16.87	16.81	16.72	16.68	16.67	0.0	17.50
			1	53	19.42	19.23	19.37	19.27	19.27	0.0	20.00	16.70	16.87	16.64	16.71	16.71	0.0	17.50
			1	104	19.49	19.34	19.37	19.27	19.48	0.0	20.00	16.77	16.68	16.68	16.81	16.81	0.0	17.50
			50	0	19.47	19.47	19.49	19.21	19.29	0.0	20.00	16.69	16.81	16.80	16.68	16.69	0.0	17.50
			50	28	19.43	19.44	19.30	19.44	19.30	0.0	20.00	16.72	16.81	16.69	16.61	16.72	0.0	17.50
			50	56	19.23	19.42	19.39	19.27	19.36	0.0	20.00	16.73	16.89	16.82	16.86	16.79	0.0	17.50
			100	0	19.38	19.40	19.44	19.35	19.47	0.0	20.00	16.67	16.82	16.86	16.69	16.65	0.0	17.50
		16QAM	1	1	19.21	19.45	19.48	19.39	19.33	0.0	20.00	16.85	16.68	16.72	16.63	16.79	0.0	17.50
		64QAM	1	1	19.24	19.22	19.39	19.37	19.28	0.0	20.00	16.82	16.70	16.67	16.60	16.69	0.0	17.50
		256QAM	1	1	19.20	19.46	19.22	19.35	19.30	0.0	20.00	16.64	16.79	16.61	16.85	16.75	0.0	17.50
	CP-OFDM	QPSK	1	1	19.33	19.45	19.24	19.30	19.37	0.0	20.00	16.81	16.82	16.81	16.64	16.69	0.0	17.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					647334	651666	656000	660266	664666	MPR	Tune-up Limit	647334	651666	656000	660266	664666	MPR	Tune-up Limit
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.22	19.38	19.46	19.43	19.47	0.0	20.00	16.66	16.62	16.89	16.64	16.65	0.0	17.50
		QPSK	1	1	19.36	19.34	19.29	19.49	19.39	0.0	20.00	16.63	16.68	16.73	16.75	16.71	0.0	17.50
			1	26	19.41	19.35	19.39	19.42	19.47	0.0	20.00	16.63	16.71	16.80	16.80	16.74	0.0	17.50
			1	49	19.45	19.44	19.29	19.30	19.27	0.0	20.00	16.84	16.75	16.80	16.80	16.68	0.0	17.50
			25	0	19.29	19.40	19.24	19.35	19.29	0.0	20.00	16.78	16.71	16.87	16.61	16.66	0.0	17.50
			25	13	19.46	19.31	19.43	19.23	19.41	0.0	20.00	16.71	16.83	16.88	16.71	16.88	0.0	17.50
			25	26	19.35	19.47	19.48	19.33	19.43	0.0	20.00	16.85	16.76	16.86	16.79	16.89	0.0	17.50
			50	0	19.35	19.25	19.41	19.29	19.26	0.0	20.00	16.69	16.60	16.77	16.89	16.66	0.0	17.50
		16QAM	1	1	19.29	19.36	19.22	19.41	19.23	0.0	20.00	16.69	16.66	16.74	16.74	16.76	0.0	17.50
		64QAM	1	1	19.42	19.44	19.38	19.35	19.24	0.0	20.00	16.64	16.80	16.60	16.75	16.71	0.0	17.50
		256QAM	1	1	19.42	19.20	19.21	19.49	19.27	0.0	20.00	16.81	16.64	16.82	16.70	16.68	0.0	17.50
	CP-OFDM	QPSK	1	1	19.35	19.28	19.28	19.26	19.32	0.0	20.00	16.72	16.72	16.69	16.62	16.81	0.0	17.50

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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	MPR	Tune-up Limit	650000	653000	656000	659000	662000	MPR	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	PI/2 BPSK	1	1			25.06			0.0	25.2			18.78			0.0	19.50
		QPSK	1	1			25.03			0.0	25.2			18.88			0.0	19.50
			1	137			25.20			0.0	25.2			19.00			0.0	19.50
			1	271			24.94			0.0	25.2			18.85			0.0	19.50
			135	0			24.04			1.0	24.2			18.75			0.0	19.50
			135	69			25.20			0.0	25.2			19.00			0.0	19.50
			135	138			24.03			1.0	24.2			18.64			0.0	19.50
			270	0			24.16			1.0	24.2			19.00			0.0	19.50
		16QAM	1	1			24.14			1.0	24.2			18.72			0.0	19.50
		64QAM	1	1			22.63			2.5	22.7			18.83			0.0	19.50
		256QAM	1	1			20.56			4.5	20.7			18.74			0.0	19.50
	CP-OFDM	QPSK	1	1			23.62			1.5	23.7			18.88			0.0	19.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					649666	652834	656000	659166	662334	MPR	Tune-up Limit	649666	652834	656000	659166	662334	MPR	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	PI/2 BPSK	1	1			25.19			0.0	25.2			18.68			0.0	19.50
		QPSK	1	1			25.17			0.0	25.20			18.73			0.0	19.50
			1	123			25.13			0.0	25.20			18.90			0.0	19.50
			1	243			25.04			0.0	25.20			18.80			0.0	19.50
			120	0			24.13			1.0	24.20			18.88			0.0	19.50
			120	63			25.01			0.0	25.20			18.87			0.0	19.50
			120	125			24.08			1.0	24.20			18.70			0.0	19.50
			243	0			23.98			1.0	24.20			18.82			0.0	19.50
		16QAM	1	1			24.19			1.0	24.20			18.89			0.0	19.50
		64QAM	1	1			22.64			2.5	22.70			18.70			0.0	19.50
		256QAM	1	1			20.60			4.5	20.70			18.88			0.0	19.50
	CP-OFDM	QPSK	1	1			23.66			1.5	23.70			18.63			0.0	19.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					649334	652666	656000	659334	662666	MPR	Tune-up Limit	649334	652666	656000	659334	662666	MPR	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	PI/2 BPSK	1	1	24.91	24.97	25.00	25.06	25.10	0.0	25.20	18.72	18.71	18.82	18.68	18.83	0.0	19.50
		QPSK	1	1	25.11	24.92	25.16	24.93	25.04	0.0	25.20	18.73	18.72	18.68	18.88	18.85	0.0	19.50
			1	109	25.16	24.94	25.02	24.93	25.01	0.0	25.20	18.74	18.79	18.75	18.86	18.79	0.0	19.50
			1	215	25.07	25.00	24.98	25.19	25.18	0.0	25.20	18.72	18.76	18.71	18.71	18.73	0.0	19.50
			108	0	24.14	24.10	24.07	24.17	23.97	1.0	24.20	18.62	18.67	18.68	18.84	18.71	0.0	19.50
			108	55	25.14	25.13	25.02	25.17	25.03	0.0	25.20	18.75	18.74	18.78	18.80	18.74	0.0	19.50
			108	109	23.92	24.05	23.92	23.94	24.18	1.0	24.20	18.71	18.71	18.65	18.74	18.72	0.0	19.50
			216	0	24.04	24.06	24.15	24.08	23.91	1.0	24.20	18.78	18.77	18.75	18.80	18.87	0.0	19.50
		16QAM	1	1	23.92	24.03	24.06	24.01	24.00	1.0	24.20	18.77	18.64	18.84	18.86	18.80	0.0	19.50
		64QAM	1	1	22.70	22.55	22.53	22.64	22.48	2.5	22.70	18.66	18.86	18.70	18.89	18.69	0.0	19.50
		256QAM	1	1	20.64	20.69	20.53	20.49	20.61	4.5	20.70	18.73	18.68	18.76	18.65	18.69	0.0	19.50
	CP-OFDM	QPSK	1	1	23.68	23.58	23.62	23.50	23.63	1.5	23.70	18.64	18.68	18.78	18.69	18.87	0.0	19.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648666	652334	656000	659666	663334	MPR	Tune-up Limit	648666	652334	656000	659666	663334	MPR	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	PI/2 BPSK	1	1	25.18	25.01	25.08	24.92	24.98	0.0	25.20	18.87	18.87	18.61	18.66	18.62	0.0	19.50
		QPSK	1	1	24.97	24.99	25.06	25.05	25.19	0.0	25.20	18.76	18.85	18.85	18.61	18.85	0.0	19.50
			1	81	24.90	25.08	24.93	25.00	25.17	0.0	25.20	18.67	18.82	18.85	18.61	18.84	0.0	19.50
			1	160	25.17	25.05	25.19	25.02	25.03	0.0	25.20	18.65	18.73	18.83	18.73	18.72	0.0	19.50
			81	0	24.07	24.07	23.91	24.16	24.00	1.0	24.20	18.66	18.86	18.83	18.73	18.67	0.0	19.50
			81	40	24.91	25.08	25.08	25.15	24.90	0.0	25.20	18.72	18.75	18.81	18.82	18.86	0.0	19.50
			81	81	23.98	23.94	24.05	24.13	24.17	1.0	24.20	18.77	18.76	18.69	18.70	18.70	0.0	19.50
			162	0	23.92	24.15	24.07	24.09	24.19	1.0	24.20	18.63	18.70	18.82	18.66	18.81	0.0	19.50
		16QAM	1	1	24.12	24.18	24.19	24.02	23.99	1.0	24.20	18.81	18.90	18.84	18.88	18.74	0.0	19.50
		64QAM	1	1	22.43	22.65	22.43	22.70	22.69	2.5	22.70	18.68	18.89	18.88	18.87	18.65	0.0	19.50
		256QAM	1	1	20.49	20.53	20.61	20.42	20.45	4.5	20.70	18.86	18.80	18.74	18.87	18.84	0.0	19.50
	CP-OFDM	QPSK	1	1	23.60	23.51	23.64	23.53	23.42	1.5	23.70	18.72	18.85	18.86	18.75	18.81	0.0	19.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648334	652166	656000	659834	663666	MPR	Tune-up Limit	648334	652166	656000	659834	663666	MPR	Tune-up Limit
					3725.01 MHz	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	PI/2 BPSK	1	1	25.10	25.08	24.92	24.97	25.13	0.0	25.20	18.72	18.80	18.69	18.77	18.64	0.0	19.50
		QPSK	1	1	24.96	24.91	24.94	24.91	25.07	0.0	25.20	18.87	18.65	18.64	18.84	18.66	0.0	19.50
			1	67	25.12	25.01	25.17	25.15	24.96	0.0	25.20	18.90	18.70	18.72	18.74	18.80	0.0	19.50
			1	131	25.10	24.94	25.10	25.04	25.16	0.0	25.20	18.82	18.69	18.64	18.68	18.88	0.0	19.50
			64	0	24.10	24.15	24.07	23.93	23.99	1.0	24.20	18.77	18.63	18.78	18.87	18.76	0.0	19.50
			64	35	24.92	25.02	25.14	24.95	24.98	0.0	25.20	18.69	18.77	18.74	18.63	18.84	0.0	19.50
			64	69	24.04	24.01	23.99	24.18	23.97	1.0	24.20	18.70	18.79	18.61	18.70	18.87	0.0	19.50
			128	0	23.94	24.19	24.09	24.06	24.09	1.0	24.20	18.64	18.66	18.85	18.61	18.88	0.0	19.50
		16QAM	1	1	24.03	24.04	24.12	23.90	23.98	1.0	24.20	18.88	18.65	18.72	18.83	18.81	0.0	19.50
		64QAM	1	1	22.66	22.66	22.68	22.52	22.53	2.5	22.70	18.71	18.89	18.65	18.85	18.69	0.0	19.50
		256QAM	1	1	20.48	20.43	20.40	20.66	20.58	4.5	20.70	18.67	18.87	18.90	18.89	18.80	0.0	19.50
	CP-OFDM	QPSK	1	1	23.66	23.41	23.60	23.60	23.60	1.5	23.70	18.79	18.71	18.61	18.86	18.85	0.0	19.50

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NR Band 77 Measured Results (ANT9) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					648000	652000	656000	660000	664000			648000	652000	656000	660000	664000		
					3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz		
40 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.08	24.91	25.04	24.99	25.01	0.0	25.20	18.69	18.90	18.66	18.77	18.73	0.0	19.50
		QPSK	1	1	25.05	25.06	25.15	24.95	25.20	0.0	25.20	18.89	18.72	18.64	18.69	18.71	0.0	19.50
			1	53	24.99	24.94	25.07	25.09	25.15	0.0	25.20	18.81	18.77	18.63	18.83	18.60	0.0	19.50
			1	104	25.07	24.97	25.19	25.03	24.98	0.0	25.20	18.64	18.68	18.80	18.61	18.79	0.0	19.50
			50	0	24.01	23.91	24.20	23.95	23.95	1.0	24.20	18.67	18.65	18.77	18.66	18.80	0.0	19.50
			50	28	24.95	25.00	25.01	24.92	24.96	0.0	25.20	18.76	18.76	18.75	18.84	18.81	0.0	19.50
			50	56	23.93	23.94	23.97	24.14	23.92	1.0	24.20	18.86	18.61	18.70	18.70	18.90	0.0	19.50
			100	0	23.91	24.05	24.18	24.02	24.10	1.0	24.20	18.88	18.68	18.68	18.63	18.71	0.0	19.50
		16QAM	1	1	24.03	24.18	24.06	24.18	23.94	1.0	24.20	18.62	18.65	18.72	18.78	18.89	0.0	19.50
		64QAM	1	1	22.50	22.43	22.68	22.52	22.69	2.5	22.70	18.76	18.68	18.69	18.80	18.68	0.0	19.50
		256QAM	1	1	20.49	20.59	20.56	20.42	20.59	4.5	20.70	18.74	18.62	18.88	18.67	18.67	0.0	19.50
	CP-OFDM	QPSK	1	1	23.53	23.68	23.65	23.69	23.64	1.5	23.70	18.86	18.73	18.60	18.79	18.82	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					647334	651666	656000	660266	664666			647334	651666	656000	660266	664666		
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.02	25.00	25.06	25.09	25.11	0.0	25.20	18.88	18.64	18.90	18.81	18.86	0.0	19.50
		QPSK	1	1	25.11	25.04	24.97	24.98	25.15	0.0	25.20	18.71	18.83	18.82	18.64	18.60	0.0	19.50
			1	26	24.92	24.92	24.99	25.05	25.18	0.0	25.20	18.88	18.61	18.87	18.81	18.82	0.0	19.50
			1	49	24.94	25.06	24.94	25.08	25.00	0.0	25.20	18.61	18.88	18.88	18.79	18.82	0.0	19.50
			25	0	24.15	24.18	24.03	23.92	23.96	1.0	24.20	18.88	18.77	18.63	18.68	18.80	0.0	19.50
			25	13	24.98	25.06	25.12	24.97	25.15	0.0	25.20	18.82	18.83	18.85	18.78	18.75	0.0	19.50
			25	26	23.91	24.13	23.93	24.06	24.00	1.0	24.20	18.68	18.70	18.88	18.78	18.77	0.0	19.50
			50	0	24.15	24.11	24.16	23.93	24.05	1.0	24.20	18.77	18.63	18.87	18.90	18.72	0.0	19.50
		16QAM	1	1	24.04	24.00	24.07	24.18	24.00	1.0	24.20	18.72	18.77	18.79	18.75	18.64	0.0	19.50
		64QAM	1	1	22.42	22.46	22.64	22.59	22.51	2.5	22.70	18.79	18.86	18.78	18.85	18.69	0.0	19.50
		256QAM	1	1	20.63	20.66	20.62	20.49	20.40	4.5	20.70	18.72	18.86	18.69	18.72	18.61	0.0	19.50
	CP-OFDM	QPSK	1	1	23.49	23.43	23.68	23.54	23.60	1.5	23.70	18.78	18.79	18.64	18.71	18.78	0.0	19.50

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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	MPR	Tune-up Limit	650000	653000	656000	659000	662000	MPR	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	Pi/2 BPSK	1	1			17.25			0.0	17.50			17.98			0.0	18.00
		QPSK	1	1			17.33			0.0	17.50			17.78			0.0	18.00
			1	137			17.50			0.0	17.50			18.00			0.0	18.00
			1	271			17.33			0.0	17.50			17.82			0.0	18.00
			135	0			17.38			0.0	17.50			17.90			0.0	18.00
			135	69			17.50			0.0	17.50			18.00			0.0	18.00
			135	138			17.21			0.0	17.50			17.85			0.0	18.00
			270	0			17.50			0.0	17.50			18.00			0.0	18.00
		16QAM	1	1			17.26			0.0	17.50			17.97			0.0	18.00
		64QAM	1	1			17.27			0.0	17.50			17.86			0.0	18.00
		256QAM	1	1			17.45			0.0	17.50			17.99			0.0	18.00
	CP-OFDM	QPSK	1	1			17.23			0.0	17.50			17.79			0.0	18.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					649666	652834	656000	659166	662334	MPR	Tune-up Limit	649666	652834	656000	659166	662334	MPR	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	Pi/2 BPSK	1	1			17.48			0.0	17.50			17.90			0.0	18.00
		QPSK	1	1			17.28			0.0	17.50			17.92			0.0	18.00
			1	123			17.38			0.0	17.50			17.88			0.0	18.00
			1	243			17.23			0.0	17.50			17.96			0.0	18.00
			120	0			17.34			0.0	17.50			17.82			0.0	18.00
			120	63			17.47			0.0	17.50			17.76			0.0	18.00
			120	125			17.21			0.0	17.50			17.97			0.0	18.00
			243	0			17.47			0.0	17.50			17.87			0.0	18.00
		16QAM	1	1			17.25			0.0	17.50			17.81			0.0	18.00
		64QAM	1	1			17.22			0.0	17.50			17.74			0.0	18.00
		256QAM	1	1			17.31			0.0	17.50			17.79			0.0	18.00
	CP-OFDM	QPSK	1	1			17.49			0.0	17.50			17.87			0.0	18.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					649334	652666	656000	659334	662666	MPR	Tune-up Limit	649334	652666	656000	659334	662666	MPR	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	Pi/2 BPSK	1	1	17.38	17.50	17.50	17.43	17.30	0.0	17.50	17.94	17.81	17.99	17.79	17.94	0.0	18.00
		QPSK	1	1	17.20	17.26	17.42	17.30	17.45	0.0	17.50	17.88	17.72	17.86	17.77	17.86	0.0	18.00
			1	109	17.38	17.48	17.30	17.27	17.34	0.0	17.50	17.72	17.80	17.88	17.96	17.88	0.0	18.00
			1	215	17.33	17.43	17.33	17.31	17.33	0.0	17.50	17.96	17.96	17.74	17.89	17.73	0.0	18.00
			108	0	17.32	17.33	17.26	17.41	17.42	0.0	17.50	17.82	17.74	17.82	17.80	17.88	0.0	18.00
			108	55	17.28	17.43	17.37	17.23	17.32	0.0	17.50	17.91	17.88	17.85	17.78	17.95	0.0	18.00
			108	109	17.29	17.21	17.27	17.21	17.33	0.0	17.50	18.00	17.73	17.81	17.98	17.79	0.0	18.00
			216	0	17.22	17.41	17.34	17.20	17.38	0.0	17.50	17.74	17.78	17.86	17.71	17.88	0.0	18.00
		16QAM	1	1	17.30	17.43	17.22	17.44	17.23	0.0	17.50	17.76	17.99	17.70	17.85	17.99	0.0	18.00
		64QAM	1	1	17.27	17.49	17.39	17.45	17.45	0.0	17.50	17.80	17.82	17.95	17.99	17.96	0.0	18.00
		256QAM	1	1	17.37	17.33	17.26	17.48	17.47	0.0	17.50	17.72	17.96	17.91	17.71	17.91	0.0	18.00
	CP-OFDM	QPSK	1	1	17.36	17.24	17.45	17.23	17.44	0.0	17.50	17.97	17.93	17.75	17.73	17.99	0.0	18.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648666	652334	656000	659666	663334	MPR	Tune-up Limit	648666	652334	656000	659666	663334	MPR	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	Pi/2 BPSK	1	1	17.38	17.23	17.33	17.34	17.45	0.0	17.50	17.83	17.83	17.78	17.92	17.93	0.0	18.00
		QPSK	1	1	17.39	17.45	17.32	17.39	17.21	0.0	17.50	17.76	17.78	17.98	17.99	17.82	0.0	18.00
			1	81	17.26	17.47	17.28	17.42	17.22	0.0	17.50	17.70	17.84	17.72	17.98	17.87	0.0	18.00
			1	160	17.35	17.25	17.26	17.27	17.36	0.0	17.50	17.78	17.87	17.85	17.78	17.98	0.0	18.00
			81	0	17.40	17.50	17.21	17.43	17.43	0.0	17.50	17.81	17.84	17.90	17.92	17.81	0.0	18.00
			81	40	17.32	17.50	17.29	17.27	17.32	0.0	17.50	17.90	17.70	17.76	17.82	17.86	0.0	18.00
			81	81	17.31	17.43	17.46	17.27	17.41	0.0	17.50	17.75	17.71	17.73	17.97	17.74	0.0	18.00
			162	0	17.48	17.43	17.32	17.37	17.40	0.0	17.50	17.99	17.71	17.75	17.73	17.95	0.0	18.00
		16QAM	1	1	17.36	17.32	17.36	17.23	17.40	0.0	17.50	17.90	17.98	17.80	17.98	17.77	0.0	18.00
		64QAM	1	1	17.27	17.28	17.45	17.47	17.34	0.0	17.50	17.96	17.70	17.91	17.97	17.75	0.0	18.00
		256QAM	1	1	17.21	17.28	17.39	17.33	17.25	0.0	17.50	17.88	17.97	17.92	17.88	17.83	0.0	18.00
	CP-OFDM	QPSK	1	1	17.32	17.41	17.50	17.33	17.33	0.0	17.50	17.76	18.00	17.74	17.97	17.91	0.0	18.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648334	652166	656000	659834	663666	MPR	Tune-up Limit	648334	652166	656000	659834	663666	MPR	Tune-up Limit
					3725.01 MHz	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	Pi/2 BPSK	1	1	17.45	17.37	17.44	17.33	17.24	0.0	17.50	17.87	17.72	17.91	17.97	17.79	0.0	18.00
		QPSK	1	1	17.38	17.36	17.23	17.45	17.23	0.0	17.50	17.95	17.71	17.99	17.88	17.95	0.0	18.00
			1	67	17.28	17.22	17.22	17.34	17.36	0.0	17.50	17.91	17.92	17.71	17.74	17.84	0.0	18.00
			1	131	17.39	17.39	17.35	17.28	17.21	0.0	17.50	17.83	17.87	17.79	17.83	17.81	0.0	18.00
			64	0	17.30	17.38	17.46	17.33	17.38	0.0	17.50	17.98	17.97	17.74	17.92	17.84	0.0	18.00
			64	35	17.26	17.45	17.38	17.30	17.38	0.0	17.50	17.98	17.97	17.81	17.87	17.74	0.0	18.00
			64	69	17.30	17.26	17.44	17.24	17.34	0.0	17.50	17.90	17.78	17.85	17.95	17.88	0.0	18.00
			128	0	17.42	17.41	17.35	17.46	17.32	0.0	17.50	17.88	17.83	17.79	17.78	17.99	0.0	18.00
		16QAM	1	1	17.31	17.43	17.45	17.48	17.33	0.0	17.50	17.99	17.72	17.89	17.92	17.80	0.0	18.00
		64QAM	1	1	17.50	17.29	17.49	17.25	17.25	0.0	17.50	17.87	17.75	17.85	17.99	17.94	0.0	18.00
		256QAM	1	1	17.45	17.35	17.29	17.32	17.31	0.0	17.50	17.78	17.87	17.99	17.97	17.75	0.0	18.00
	CP-OFDM	QPSK	1	1	17.20	17.32	17.27	17.35	17.29	0.0	17.50	17.75	17.78	17.87	17.88	17.86	0.0	18.00

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NR Band 77 Measured Results (ANT4) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					648000	652000	656000	660000	664000	MPR	Tune-up Limit	648000	652000	656000	660000	664000	MPR	Tune-up Limit
					3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz		
40 MHz	DFS-s OFDM	PI/2 BPSK	1	1	17.47	17.38	17.32	17.49	17.25	0.0	17.50	17.94	17.75	17.89	17.94	17.78	0.0	18.00
		QPSK	1	1	17.27	17.21	17.43	17.25	17.33	0.0	17.50	17.93	17.97	17.94	17.78	17.83	0.0	18.00
			1	53	17.47	17.37	17.45	17.39	17.40	0.0	17.50	17.83	17.84	17.75	17.87	17.89	0.0	18.00
			1	104	17.45	17.20	17.29	17.40	17.46	0.0	17.50	17.90	17.86	17.98	17.99	17.87	0.0	18.00
			50	0	17.27	17.39	17.32	17.39	17.21	0.0	17.50	17.90	17.94	17.89	17.81	17.93	0.0	18.00
			50	28	17.32	17.41	17.36	17.22	17.50	0.0	17.50	17.81	17.81	17.98	17.82	17.87	0.0	18.00
			50	56	17.29	17.22	17.39	17.30	17.47	0.0	17.50	17.87	17.77	17.70	17.88	17.88	0.0	18.00
			100	0	17.49	17.37	17.38	17.22	17.49	0.0	17.50	17.98	17.75	17.82	17.88	17.72	0.0	18.00
		16QAM	1	1	17.40	17.44	17.28	17.46	17.32	0.0	17.50	17.82	17.87	17.77	17.74	17.86	0.0	18.00
		64QAM	1	1	17.37	17.26	17.29	17.26	17.41	0.0	17.50	17.87	17.89	17.90	17.93	17.89	0.0	18.00
		256QAM	1	1	17.47	17.31	17.49	17.38	17.46	0.0	17.50	17.81	17.89	17.99	17.86	17.89	0.0	18.00
	CP-OFDM	QPSK	1	1	17.33	17.36	17.33	17.25	17.27	0.0	17.50	17.73	17.70	17.78	17.84	17.86	0.0	18.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
					647334	651666	656000	660266	664666	MPR	Tune-up Limit	647334	651666	656000	660266	664666	MPR	Tune-up Limit
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	17.23	17.45	17.29	17.26	17.29	0.0	17.50	17.93	17.85	17.95	17.72	17.73	0.0	18.00
		QPSK	1	1	17.48	17.46	17.43	17.42	17.21	0.0	17.50	17.83	17.88	17.74	17.71	17.80	0.0	18.00
			1	26	17.24	17.38	17.39	17.35	17.27	0.0	17.50	17.83	17.98	17.88	17.95	17.72	0.0	18.00
			1	49	17.44	17.21	17.25	17.26	17.50	0.0	17.50	17.81	17.77	17.93	17.97	17.85	0.0	18.00
			25	0	17.49	17.34	17.26	17.49	17.20	0.0	17.50	17.75	17.87	18.00	17.87	17.85	0.0	18.00
			25	13	17.48	17.42	17.46	17.42	17.29	0.0	17.50	17.97	17.72	17.83	17.94	17.75	0.0	18.00
			25	26	17.25	17.27	17.24	17.35	17.31	0.0	17.50	17.86	17.73	17.97	17.90	17.89	0.0	18.00
			50	0	17.29	17.46	17.45	17.27	17.30	0.0	17.50	17.77	17.90	17.88	17.71	17.86	0.0	18.00
		16QAM	1	1	17.42	17.36	17.25	17.43	17.46	0.0	17.50	17.99	17.93	17.94	17.77	17.99	0.0	18.00
		64QAM	1	1	17.44	17.31	17.45	17.49	17.37	0.0	17.50	17.99	17.89	17.79	17.95	17.96	0.0	18.00
		256QAM	1	1	17.31	17.34	17.41	17.31	17.38	0.0	17.50	17.92	17.79	17.83	17.98	17.89	0.0	18.00
	CP-OFDM	QPSK	1	1	17.45	17.46	17.41	17.39	17.22	0.0	17.50	17.98	17.75	17.73	18.00	17.89	0.0	18.00

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9.8. Wi-Fi 2.4GHz (DTS Band)

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

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

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

Maximum Power

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

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

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

For 2.4 GHz band, there are two use cases:

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

Mode	Channel	Frequency (MHz)	Pcell OFF				Pcell ON			
			ANT3		ANT4		ANT3		ANT4	
			Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
802.11b DSSS (SISO)	1	2412	21.50	19.00	20.50	21.25	21.50	16.00	16.00	18.25
	2	2417	22.00	19.00	20.50	21.25	22.00	16.00	16.00	18.25
	3	2422	22.00	19.00	20.50	21.25	22.00	16.00	16.00	18.25
	4	2427	22.50	19.00	20.50	21.25	22.50	16.00	16.00	18.25
	5	2432	22.50	19.00	20.50	21.25	22.50	16.00	16.00	18.25
	6	2437	22.50	19.00	20.50	21.25	22.50	16.00	16.00	18.25
	7	2442	22.50	19.00	20.50	21.25	22.50	16.00	16.00	18.25
	8	2447	22.50	19.00	20.50	21.25	22.50	16.00	16.00	18.25
	9	2452	22.00	19.00	20.50	21.25	22.00	16.00	16.00	18.25
	10	2457	22.00	19.00	20.50	21.25	22.00	16.00	16.00	18.25
	11	2462	22.00	19.00	20.50	21.25	22.00	16.00	16.00	18.25
	12	2467	22.00	19.00	20.50	21.25	22.00	16.00	16.00	18.25
	13	2472	21.50	19.00	20.50	21.25	21.50	16.00	16.00	18.25

Wi-Fi 2.4GHz Measured Results

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

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

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

Power Mode	Antenna	Mode	Power Mode A					Power Mode B				
			Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)
Pcell OFF	ANT3	DSSS 802.11b	4	2427	22.50	22.50	Yes	1	2412	19.00	19.00	Yes
			6	2437	22.50	22.50		6	2437	19.00	19.00	
			8	2447	22.50	22.50		11	2462	19.00	19.00	
	ANT4	DSSS 802.11b	1	2412	20.50	20.50	Yes	1	2412	21.25	21.25	Yes
			6	2437	20.50	20.50		6	2437	21.25	21.25	
			11	2462	20.50	20.50		11	2462	21.25	21.25	
Power Mode	Antenna	Mode	Power Mode A					Power Mode B				
			Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)
Pcell ON	ANT3	DSSS 802.11b	4	2427	22.50	22.50	Yes	1	2412	16.00	16.00	Yes
			6	2437	22.50	22.50		6	2437	16.00	16.00	
			8	2447	22.50	22.50		11	2462	16.00	16.00	
	ANT4	DSSS 802.11b	1	2412	16.00	16.00	Yes	1	2412	18.25	18.25	Yes
			6	2437	16.00	16.00		6	2437	18.25	18.25	
			11	2462	16.00	16.00		11	2462	18.25	18.25	

Note(s):

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

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

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

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

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

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

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Maximum Power

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

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

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

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

For 5GHz band, there are two use cases:

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

Mode	Bandwidth	Channel	Frequency	Pcell OFF				Pcell ON			
				ANT5		ANT6		ANT5		ANT6	
				Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
U-NII-1 5.2 GHz (SISO)	802.11a/n/ac 20 MHz	36	5180	18.50	18.50	18.50	18.25	18.50	15.25	12.50	14.50
		40	5200	20.00	19.00	18.50	18.25	20.00	15.25	12.50	14.50
		44	5220	20.00	19.00	18.50	18.25	20.00	15.25	12.50	14.50
		48	5240	20.00	19.00	18.50	18.25	20.00	15.25	12.50	14.50
	802.11n/ac 40 MHz	38	5190	17.00	17.00	17.00	17.00	17.00	15.25	12.50	14.50
		46	5230	21.00	19.00	18.50	18.25	21.00	15.25	12.50	14.50
	802.11ac 80 MHz	42	5210	16.50	16.50	16.50	16.50	16.50	15.25	12.50	14.50
U-NII-2A 5.3 GHz (SISO)	802.11a/n/ac 20 MHz	52	5260	20.00	17.75	17.50	17.75	20.00	14.00	11.50	14.00
		56	5280	20.00	17.75	17.50	17.75	20.00	14.00	11.50	14.00
		60	5300	20.00	17.75	17.50	17.75	20.00	14.00	11.50	14.00
		64	5320	18.50	17.75	17.50	17.75	18.50	14.00	11.50	14.00
	802.11n/ac 40 MHz	54	5270	21.00	17.75	17.50	17.75	21.00	14.00	11.50	14.00
		62	5310	17.00	17.00	17.00	17.00	17.00	14.00	11.50	14.00
	802.11ac 80 MHz	58	5290	16.50	16.50	16.50	16.50	16.50	14.00	11.50	14.00

Mode	Bandwidth	Channel	Frequency	Pcell OFF				Pcell ON			
				ANT5		ANT6		ANT5		ANT6	
				Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
U-NII-2C 5.5 GHz (SISO)	802.11a/n/ac 20 MHz	100	5500	18.30	16.50	16.75	16.25	18.30	12.75	10.75	12.50
		104	5520	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		108	5540	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		112	5560	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		116	5580	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		120	5600	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		124	5620	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		128	5640	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		132	5660	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		136	5680	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
		140	5700	18.00	16.50	16.75	16.25	18.00	12.75	10.75	12.50
		144	5720	20.00	16.50	16.75	16.25	20.00	12.75	10.75	12.50
	802.11n/ac 40 MHz	102	5510	16.50	16.50	16.50	16.25	16.50	12.75	10.75	12.50
		110	5550	21.00	16.50	16.75	16.25	21.00	12.75	10.75	12.50
		118	5590	21.00	16.50	16.75	16.25	21.00	12.75	10.75	12.50
		126	5630	21.00	16.50	16.75	16.25	21.00	12.75	10.75	12.50
		134	5670	20.50	16.50	16.75	16.25	20.50	12.75	10.75	12.50
		142	5710	21.00	16.50	16.75	16.25	21.00	12.75	10.75	12.50
	802.11ac 80 MHz	106	5530	15.50	15.50	15.50	15.50	15.50	12.75	10.75	12.50
		122	5610	21.50	16.50	16.75	16.25	21.50	12.75	10.75	12.50
		138	5690	21.50	16.50	16.75	16.25	21.50	12.75	10.75	12.50

Mode	Bandwidth	Channel	Frequency	Pcell OFF				Pcell ON			
				ANT5		ANT6		ANT5		ANT6	
				Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
U-NII-3 5.8 GHz (SISO)	802.11a/n/ac 20 MHz	149	5745	21.50	17.50	18.00	18.00	21.50	13.75	12.00	14.25
		153	5765	21.50	17.50	18.00	18.00	21.50	13.75	12.00	14.25
		157	5785	21.50	17.50	18.00	18.00	21.50	13.75	12.00	14.25
		161	5805	21.50	17.50	18.00	18.00	21.50	13.75	12.00	14.25
		165	5825	21.50	17.50	18.00	18.00	21.50	13.75	12.00	14.25
	802.11n/ac 40 MHz	151	5755	21.00	17.50	18.00	18.00	21.00	13.75	12.00	14.25
		159	5795	21.00	17.50	18.00	18.00	21.00	13.75	12.00	14.25
	802.11ac 80 MHz	155	5775	20.50	17.50	18.00	18.00	20.50	13.75	12.00	14.25

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Wi-Fi 5 GHz Measured Results

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

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

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

Power Mode	Antenna	Power Mode A							Power Mode B						
		Band	Mode	Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)	Band	Mode	Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)
Pcell OFF	ANT5	U-NII-2A	802.11n HT40	54	5270	21.00	21.00	Yes	U-NII-1	802.11n HT40	38	5190	17.00	17.00	Yes
				62	5310	17.00	17.00				46	5230	19.00	19.00	
		U-NII-2C	802.11ac VHT80	106	5530	15.50	15.50	Yes	U-NII-2C	802.11ac VHT80	106	5530	15.50	15.50	Yes
				122	5610	21.50	21.50				122	5610	16.50	16.50	
				138	5690	21.50	21.50				138	5690	16.50	16.50	
		U-NII-3	802.11a	149	5745	21.50	21.50	Yes	U-NII-3	802.11ac VHT80	155	5775	17.50	17.50	Yes
				157	5785	21.50	21.50								
				165	5825	21.50	21.50								
	ANT6	U-NII-1	802.11n HT40	38	5190	17.00	17.00	Yes	U-NII-1	802.11n HT40	38	5190	17.00	17.00	Yes
				46	5230	18.50	18.50				46	5230	18.25	18.25	
		U-NII-2C	802.11ac VHT80	106	5530	15.50	15.50	Yes	U-NII-2C	802.11ac VHT80	106	5530	15.50	15.50	Yes
				122	5610	16.75	16.75				122	5610	16.25	16.25	
				138	5690	16.75	16.75				138	5690	16.25	16.25	
		U-NII-3	802.11ac VHT80	155	5775	18.00	18.00	Yes	U-NII-3	802.11ac VHT80	155	5775	18.00	18.00	Yes

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 ON	ANT5	U-NII-2A	802.11n HT40	54	5270	21.00	21.00	Yes	U-NII-1	802.11ac VHT80	42	5120	15.25	15.25	Yes
				62	5310	17.00	17.00								
		U-NII-2C	802.11ac VHT80	106	5530	15.50	15.50	Yes	U-NII-2C	802.11ac VHT80	106	5530	12.75	12.75	Yes
				122	5610	21.50	21.50				122	5610	12.75	12.75	
				138	5690	21.50	21.50				138	5690	12.75	12.75	
		U-NII-3	802.11a	149	5745	21.50	21.50	Yes	U-NII-3	802.11ac VHT80	155	5775	13.75	13.75	Yes
				157	5785	21.50	21.50								
				165	5825	21.50	21.50								
	ANT6	U-NII-1	802.11ac VHT80	42	5210	12.50	12.50	Yes	U-NII-1	802.11ac VHT80	42	5210	14.50	14.50	Yes
		U-NII-2C	802.11ac VHT80	106	5530	10.75	10.75	Yes	U-NII-2C	802.11ac VHT80	106	5530	12.50	12.50	Yes
				122	5610	10.75	10.75				122	5610	12.50	12.50	
				138	5690	10.75	10.75				138	5690	12.50	12.50	
		U-NII-3	802.11ac VHT80	155	5775	12.00	12.00	Yes	U-NII-3	802.11ac VHT80	155	5775	14.25	14.25	Yes

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9.10. Bluetooth

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

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

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

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

For Bluetooth, there are three use cases:

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

Mode	Maximum Output Power (Tune-up Limit) (dBm)											
	Bluetooth P_{low}				Bluetooth P_{high}				Bluetooth $P_{standalone}$			
	ANT3		ANT4		ANT3		ANT4		ANT3		ANT4	
	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
GFSK	10.5	8.0	9.5	10.0	20.0	14.0	15.5	16.0	20.0	19.0	20.0	20.0
EDR	10.5	8.0	9.5	10.0	16.0	14.0	15.5	16.0	16.0	16.0	16.0	16.0
LE	10.5	8.0	9.5	10.0	20.0	14.0	15.5	16.0	20.0	19.0	20.0	20.0
HDR	10.5	8.0	9.5	10.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

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

Bluetooth Measured Results

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

Power Mode	Antenna	Mode	Ch #	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
					Meas Pwr	Tune-up	SAR Test (Yes/No)	Meas Pwr	Tune-up	SAR Test (Yes/No)
Bluetooth P_{low}	ANT3	GFSK	0	2402	10.50	10.50	Yes	8.00	8.00	Yes
			39	2441	10.50	10.50		8.00	8.00	
			78	2480	10.50	10.50		8.00	8.00	
	ANT4	GFSK	0	2402	9.50	9.50	Yes	10.00	10.00	Yes
			39	2441	9.50	9.50		10.00	10.00	
			78	2480	9.50	9.50		10.00	10.00	
Bluetooth P_{high}	ANT3	GFSK	0	2402	20.00	20.00	Yes	14.00	14.00	Yes
			39	2441	20.00	20.00		14.00	14.00	
			78	2480	20.00	20.00		14.00	14.00	
	ANT4	GFSK	0	2402	15.50	15.50	Yes	16.00	16.00	Yes
			39	2441	15.50	15.50		16.00	16.00	
			78	2480	15.50	15.50		16.00	16.00	
Bluetooth $P_{standalone}$	ANT3	GFSK	0	2402	20.00	20.00	Yes	19.00	19.00	Yes
			39	2441	20.00	20.00		19.00	19.00	
			78	2480	20.00	20.00		19.00	19.00	
	ANT4	GFSK	0	2402	20.00	20.00	Yes	20.00	20.00	Yes
			39	2441	20.00	20.00		20.00	20.00	
			78	2480	20.00	20.00		20.00	20.00	

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Duty Factor Measured Results

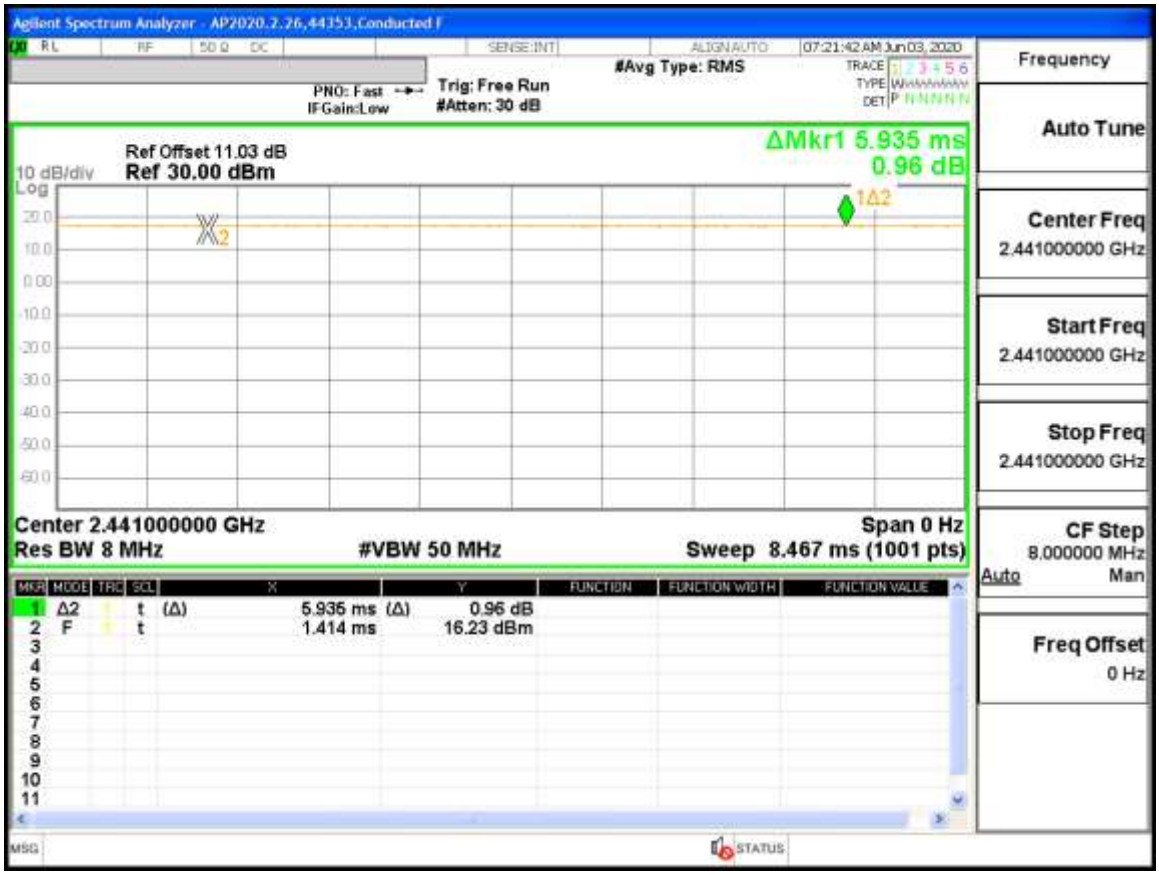
Mode	Type	T on (ms)	Period (ms)	Duty Cycle	Crest Factor (1/duty cycle)
GFSK	DH5	1	1	100.00%	1.00

Note(s):

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

Duty Cycle plots

GFSK



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10. Measured and Reported (Scaled) SAR Results

SAR Test Reduction criteria are as follows:

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

KDB 447498 D01 General RF Exposure Guidance:

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

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

KDB 648474 D04 Handset SAR:

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

KDB 941225 D01 SAR test for 3G devices:

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

KDB 941225 D05 SAR for LTE Devices:

SAR test reduction is applied using the following criteria:

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

KDB 248227 D01 SAR meas for 802.11:

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

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

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- ≤ 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***.

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10.1. GSM850

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	GPRS 2 Slots	Mode A	0	Left Touch	190	836.6	32.50	31.90	0.170	0.195	0.132	0.152	
					Left Tilt	190	836.6	32.50	31.90	0.080	0.092	0.063	0.072	
					Right Touch	190	836.6	32.50	31.90	0.218	0.250	0.163	0.187	1
					Right Tilt	190	836.6	32.50	31.90	0.077	0.088	0.062	0.071	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	190	836.6	32.50	31.90	0.472	0.542	0.274	0.315	2
					Front	190	836.6	32.50	31.90	0.216	0.248	0.125	0.144	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 2	190	836.6	32.50	31.90	0.440	0.505	0.220	0.253	
					Edge 3	190	836.6	32.50	31.90	0.323	0.371	0.147	0.169	
					Edge 4	190	836.6	32.50	31.90	0.130	0.149	0.083	0.095	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	GPRS 2 Slots	Mode A	0	Left Touch	190	836.6	31.00	30.50	0.581	0.652	0.412	0.462	
					Left Tilt	190	836.6	31.00	30.50	0.533	0.598	0.270	0.303	
					Right Touch	190	836.6	31.00	30.50	**0.645**	0.724	0.439	0.493	3
					Right Tilt	190	836.6	31.00	30.50	0.477	0.535	0.251	0.282	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	190	836.6	31.00	30.50	0.453	0.508	0.274	0.307	4
					Front	190	836.6	31.00	30.50	0.274	0.307	0.185	0.208	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 1	190	836.6	31.00	30.50	0.176	0.197	0.091	0.102	
					Edge 2	190	836.6	31.00	30.50	0.200	0.224	0.127	0.142	
					Edge 4	190	836.6	31.00	30.50	0.304	0.341	0.192	0.215	

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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	30.35	0.098	0.114	0.066	0.077	
					Left Tilt	661	1880.0	31.00	30.35	0.060	0.070	0.038	0.044	
					Right Touch	661	1880.0	31.00	30.35	0.176	0.204	0.110	0.128	5
					Right Tilt	661	1880.0	31.00	30.35	0.063	0.073	0.038	0.044	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	661	1880.0	22.50	21.85	0.395	0.459	0.197	0.229	6
					Front	661	1880.0	22.50	21.85	0.364	0.423	0.171	0.199	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 2	661	1880.0	22.50	21.85	0.058	0.067	0.027	0.031	
					Edge 3	512	1850.2	22.50	21.70	0.737	0.886	0.335	0.403	7
						661	1880.0	22.50	21.85	0.762	0.885	0.346	0.402	
						810	1909.8	22.50	21.98	0.782	0.881	0.353	0.398	
					Edge 4	661	1880.0	22.50	21.85	0.034	0.039	0.018	0.021	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	GPRS 2 Slots	Mode A	0	Left Touch	661	1880.0	26.00	25.30	0.208	0.244	0.108	0.127	
					Left Tilt	661	1880.0	26.00	25.30	0.304	0.357	0.150	0.176	
					Right Touch	512	1850.2	26.00	25.30	0.629	0.739	0.332	0.390	
						661	1880.0	26.00	25.30	0.694	0.815	0.367	0.431	
						810	1909.8	26.00	25.30	0.709	0.833	0.379	0.445	8
					Right Tilt	661	1880.0	26.00	25.30	0.566	0.665	0.270	0.317	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	512	1850.2	26.25	25.50	0.670	0.796	0.299	0.355	
						661	1880.0	26.25	25.50	0.685	0.814	0.298	0.354	
						810	1909.8	26.25	25.50	0.737	0.876	0.330	0.392	9
					Front	661	1880.0	26.25	25.50	0.342	0.406	0.166	0.197	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 1	661	1880.0	26.25	25.50	0.471	0.560	0.212	0.252	
					Edge 2	661	1880.0	26.25	25.50	0.010	0.011	0.004	0.005	
					Edge 4	661	1880.0	26.25	25.50	0.421	0.500	0.202	0.240	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	GPRS 2 Slots	Mode A	0	Left Touch	661	1880.0	30.00	29.10	0.202	0.249	0.129	0.159	10
					Left Tilt	661	1880.0	30.00	29.10	0.109	0.134	0.065	0.080	
					Right Touch	661	1880.0	30.00	29.10	0.167	0.205	0.106	0.130	
					Right Tilt	661	1880.0	30.00	29.10	0.119	0.146	0.067	0.082	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	661	1880.0	25.50	25.15	0.630	0.683	0.337	0.365	11
					Front	661	1880.0	25.50	25.15	0.452	0.490	0.249	0.270	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 3	661	1880.0	25.50	25.15	0.123	0.133	0.061	0.066	
					Edge 4	661	1880.0	25.50	25.15	0.553	0.599	0.289	0.313	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	GPRS 2 Slots	Mode A	0	Left Touch	512	1850.2	25.00	25.00	0.767	0.767	0.393	0.393	
						661	1880.0	25.00	25.00	0.866	0.866	0.441	0.441	
						810	1909.8	25.00	25.00	**0.965**	0.965	0.484	0.484	12
					Left Tilt	661	1880.0	25.00	25.00	0.539	0.539	0.280	0.280	
					Right Touch	661	1880.0	25.00	25.00	0.250	0.250	0.151	0.151	
					Right Tilt	661	1880.0	25.00	25.00	0.238	0.238	0.132	0.132	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	661	1880.0	26.25	26.12	0.502	0.517	0.259	0.267	13
					Front	661	1880.0	26.25	26.12	0.284	0.293	0.160	0.165	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 1	661	1880.0	26.25	26.12	0.277	0.285	0.137	0.141	
					Edge 2	512	1850.2	26.25	26.01	0.754	0.797	0.364	0.385	
						661	1880.0	26.25	26.12	0.885	0.912	0.422	0.435	14
						810	1909.8	26.25	26.22	0.875	0.881	0.421	0.424	

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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	25.31	0.156	0.171	0.103	0.113	
					Left Tilt	9400	1880.0	25.70	25.31	0.096	0.105	0.060	0.066	
					Right Touch	9400	1880.0	25.70	25.31	0.295	0.323	0.184	0.201	15
					Right Tilt	9400	1880.0	25.70	25.31	0.105	0.115	0.064	0.070	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9400	1880.0	16.50	16.11	0.422	0.462	0.208	0.228	16
					Front	9400	1880.0	16.50	16.11	0.382	0.418	0.183	0.200	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	9400	1880.0	16.50	16.11	0.083	0.091	0.041	0.045	
					Edge 3	9262	1852.4	16.50	16.14	0.706	0.767	0.324	0.352	
						9400	1880.0	16.50	16.11	0.824	0.901	0.375	0.410	
						9538	1907.6	16.50	16.13	0.862	0.939	0.391	0.426	17
					Edge 4	9400	1880.0	16.50	16.11	0.023	0.025	0.012	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	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	9400	1880.0	20.00	19.50	0.200	0.224	0.109	0.122	
					Left Tilt	9400	1880.0	20.00	19.50	0.215	0.241	0.105	0.118	
					Right Touch	9262	1852.4	20.00	19.33	0.691	0.806	0.360	0.420	
						9400	1880.0	20.00	19.50	0.717	0.804	0.376	0.422	
						9538	1907.6	20.00	19.65	0.757	0.821	0.400	0.434	18
					Right Tilt	9400	1880.0	20.00	19.50	0.634	0.711	0.302	0.339	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9262	1852.4	20.25	20.00	0.765	0.810	0.341	0.361	
						9400	1880.0	20.25	20.00	0.780	0.826	0.348	0.369	
						9538	1907.6	20.25	20.00	0.797	0.844	0.355	0.376	19
					Front	9400	1880.0	20.25	20.00	0.441	0.467	0.214	0.227	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	9400	1880.0	20.25	20.00	0.552	0.585	0.251	0.266	
					Edge 2	9400	1880.0	20.25	20.00	0.011	0.012	0.004	0.005	
					Edge 4	9400	1880.0	20.25	20.00	0.470	0.498	0.227	0.240	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	9400	1880.0	24.70	24.50	0.384	0.402	0.244	0.255	20
					Left Tilt	9400	1880.0	24.70	24.50	0.221	0.231	0.134	0.140	
					Right Touch	9400	1880.0	24.70	24.50	0.318	0.333	0.196	0.205	
					Right Tilt	9400	1880.0	24.70	24.50	0.231	0.242	0.129	0.135	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9262	1852.4	19.50	19.50	0.841	0.841	0.431	0.431	
						9400	1880.0	19.50	19.50	0.959	0.959	0.528	0.528	21
						9538	1907.6	19.50	19.50	0.895	0.895	0.460	0.460	
					Front	9400	1880.0	19.50	19.50	0.556	0.556	0.308	0.308	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 3	9400	1880.0	19.50	19.50	0.153	0.153	0.077	0.077	
					Edge 4	9400	1880.0	19.50	19.50	0.581	0.581	0.306	0.306	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	9262	1852.4	19.00	19.00	0.813	0.813	0.401	0.401	
						9400	1880.0	19.00	19.00	0.948	0.948	0.462	0.462	
						9538	1907.6	19.00	19.00	**0.973**	0.973	0.470	0.470	22
					Left Tilt	9400	1880.0	19.00	19.00	0.399	0.399	0.205	0.205	
					Right Touch	9400	1880.0	19.00	19.00	0.205	0.205	0.120	0.120	
					Right Tilt	9400	1880.0	19.00	19.00	0.172	0.172	0.094	0.094	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9400	1880.0	20.25	20.00	0.350	0.371	0.181	0.192	23
					Front	9400	1880.0	20.25	20.00	0.193	0.204	0.107	0.113	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	9400	1880.0	20.25	20.00	0.246	0.261	0.123	0.130	
					Edge 2	9262	1852.4	20.25	20.00	0.638	0.676	0.314	0.333	
						9400	1880.0	20.25	20.00	0.890	0.943	0.430	0.455	24
						9538	1907.6	20.25	20.00	0.757	0.802	0.374	0.396	

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10.4. W-CDMA Band 4

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	1413	1732.6	25.70	25.40	0.102	0.109	0.068	0.073	
					Left Tilt	1413	1732.6	25.70	25.40	0.077	0.083	0.049	0.053	
					Right Touch	1413	1732.6	25.70	25.40	0.223	0.239	0.141	0.151	25
					Right Tilt	1413	1732.6	25.70	25.40	0.073	0.078	0.046	0.049	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1413	1732.6	17.00	16.50	0.518	0.581	0.259	0.291	26
					Front	1413	1732.6	17.00	16.50	0.381	0.427	0.185	0.208	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	1413	1732.6	17.00	16.50	0.186	0.209	0.100	0.112	
					Edge 3	1312	1712.4	17.00	16.50	0.766	0.859	0.355	0.398	
						1413	1732.6	17.00	16.50	0.781	0.876	0.361	0.405	27
						1513	1752.6	17.00	16.65	0.785	0.851	0.364	0.395	
					Edge 4	1413	1732.6	17.00	16.50	0.007	0.008	0.004	0.004	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	1413	1732.6	18.50	18.50	0.579	0.579	0.278	0.278	
					Left Tilt	1413	1732.6	18.50	18.50	0.607	0.607	0.291	0.291	
					Right Touch	1312	1712.4	18.50	18.50	**0.985**	0.985	0.483	0.483	
						1413	1732.6	18.50	18.50	0.857	0.857	0.413	0.413	
						1513	1752.6	18.50	18.50	0.739	0.739	0.365	0.365	
					Right Tilt	1312	1712.4	18.50	18.50	0.910	0.910	0.436	0.436	28
						1413	1732.6	18.50	18.50	0.852	0.852	0.395	0.395	
						1513	1752.6	18.50	18.50	0.733	0.733	0.335	0.335	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1413	1732.6	17.25	17.00	0.586	0.621	0.281	0.298	29
					Front	1413	1732.6	17.25	17.00	0.314	0.333	0.159	0.168	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	1312	1712.4	17.25	17.00	0.928	0.983	0.436	0.462	30
						1413	1732.6	17.25	17.00	0.760	0.805	0.367	0.389	
						1513	1752.6	17.25	17.00	0.732	0.775	0.344	0.364	
					Edge 2	1413	1732.6	17.25	17.00	0.008	0.008	0.004	0.004	
					Edge 4	1413	1732.6	17.25	17.00	0.229	0.243	0.122	0.129	

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Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	1413	1732.6	24.70	24.50	0.279	0.292	0.185	0.194	31
					Left Tilt	1413	1732.6	24.70	24.50	0.154	0.161	0.102	0.107	
					Right Touch	1413	1732.6	24.70	24.50	0.098	0.103	0.063	0.066	
					Right Tilt	1413	1732.6	24.70	24.50	0.083	0.087	0.049	0.051	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1413	1732.6	21.25	21.00	0.599	0.634	0.336	0.356	32
					Front	1413	1732.6	21.25	21.00	0.473	0.501	0.277	0.293	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 3	1413	1732.6	21.25	21.00	0.181	0.192	0.079	0.084	
					Edge 4	1413	1732.6	21.25	21.00	0.639	0.677	0.344	0.364	33
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	1312	1712.4	20.00	20.00	0.929	0.929	0.463	0.463	34
						1413	1732.6	20.00	20.00	0.918	0.918	0.455	0.455	
						1513	1752.6	20.00	20.00	0.858	0.858	0.424	0.424	
					Left Tilt	1413	1732.6	20.00	20.00	0.435	0.435	0.218	0.218	
					Right Touch	1413	1732.6	20.00	20.00	0.226	0.226	0.139	0.139	
					RighttTilt	1413	1732.6	20.00	20.00	0.182	0.182	0.105	0.105	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1312	1712.4	21.00	20.75	0.753	0.798	0.383	0.406	
						1413	1732.6	21.00	20.75	0.810	0.858	0.412	0.436	35
						1513	1752.6	21.00	20.75	0.711	0.753	0.358	0.379	
					Front	1413	1732.6	21.00	20.75	0.426	0.451	0.225	0.238	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	1413	1732.6	21.00	20.75	0.286	0.303	0.132	0.140	
					Edge 2	1312	1712.4	21.00	20.75	0.899	0.952	0.453	0.480	36
						1413	1732.6	21.00	20.75	0.867	0.918	0.434	0.460	
						1513	1752.6	21.00	20.75	0.763	0.808	0.376	0.398	

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	25.50	0.196	0.205	0.154	0.161	
					Left Tilt	4183	836.6	25.70	25.50	0.107	0.112	0.084	0.088	
					Right Touch	4183	836.6	25.70	25.50	0.241	0.252	0.183	0.192	37
					RighttTilt	4183	836.6	25.70	25.50	0.113	0.118	0.091	0.095	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	4183	836.6	25.70	25.50	0.644	0.674	0.358	0.375	38
					Front	4183	836.6	25.70	25.50	0.275	0.288	0.174	0.182	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	4183	836.6	25.70	25.50	0.648	0.679	0.406	0.425	39
					Edge 3	4183	836.6	25.70	25.50	0.428	0.448	0.193	0.202	
					Edge 4	4183	836.6	25.70	25.50	0.213	0.223	0.135	0.141	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	4183	836.6	23.90	23.60	0.606	0.649	0.432	0.463	
					Left Tilt	4183	836.6	23.90	23.60	0.597	0.640	0.308	0.330	
					Right Touch	4183	836.6	23.90	23.60	**0.716**	0.767	0.461	0.494	40
					Right Tilt	4183	836.6	23.90	23.60	0.580	0.621	0.314	0.336	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	4183	836.6	23.90	23.60	0.476	0.510	0.286	0.306	41
					Front	4183	836.6	23.90	23.60	0.326	0.349	0.210	0.225	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	4183	836.6	23.90	23.60	0.189	0.203	0.094	0.101	
					Edge 2	4183	836.6	23.90	23.60	0.181	0.194	0.114	0.122	
					Edge 4	4183	836.6	23.90	23.60	0.292	0.313	0.365	0.391	

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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	25.49	0.181	0.190	0.139	0.146	
					Left Tilt	384	836.5	25.70	25.49	0.112	0.118	0.086	0.090	
					Right Touch	384	836.5	25.70	25.49	0.246	0.258	0.183	0.192	
					Right Tilt	384	836.5	25.70	25.49	0.106	0.111	0.085	0.089	
		1xEVDO Rel. 0	Mode A	0	Left Touch	384	836.5	25.70	25.49	0.172	0.181	0.129	0.135	
					Left Tilt	384	836.5	25.70	25.49	0.067	0.070	0.051	0.054	
					Right Touch	384	836.5	25.70	25.49	0.261	0.274	0.190	0.199	42
					Right Tilt	384	836.5	25.70	25.49	0.094	0.099	0.073	0.076	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	1013	824.7	25.70	25.08	0.733	0.845	0.395	0.456	
						384	836.5	25.70	25.30	0.829	0.909	0.444	0.487	
						777	848.3	25.70	25.35	**0.843**	0.914	0.455	0.493	43
					Front	384	836.5	25.70	25.30	0.341	0.374	0.205	0.225	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	384	836.5	25.70	25.30	0.721	0.791	0.450	0.493	
					Edge 3	384	836.5	25.70	25.30	0.432	0.474	0.195	0.214	
					Edge 4	384	836.5	25.70	25.30	0.261	0.286	0.163	0.179	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	1xRTT RC3 SO55	Mode A	0	Left Touch	384	836.5	23.90	23.90	0.714	0.714	0.484	0.484	
					Left Tilt	384	836.5	23.90	23.90	0.551	0.551	0.286	0.286	
					Right Touch	384	836.5	23.90	23.90	0.658	0.658	0.582	0.582	
					Right Tilt	384	836.5	23.90	23.90	0.604	0.604	0.316	0.316	
		1xEVDO Rel. 0	Mode A	0	Left Touch	384	836.5	23.90	23.90	0.658	0.658	0.462	0.462	
					Left Tilt	384	836.5	23.90	23.90	0.774	0.774	0.380	0.380	
					Right Touch	384	836.5	23.90	23.90	0.778	0.778	0.501	0.501	44
					Right Tilt	384	836.5	23.90	23.90	0.660	0.660	0.333	0.333	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	384	836.5	23.90	23.90	0.600	0.600	0.364	0.364	45
					Front	384	836.5	23.90	23.90	0.353	0.353	0.232	0.232	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	384	836.5	23.90	23.90	0.185	0.185	0.096	0.096	
					Edge 2	384	836.5	23.90	23.90	0.190	0.190	0.121	0.121	
					Edge 4	384	836.5	23.90	23.90	0.279	0.279	0.178	0.178	

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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	0.302	0.324	0.233	0.250	
					Left Tilt	600	1880.0	25.70	25.40	0.160	0.171	0.122	0.131	
					Right Touch	600	1880.0	25.70	25.40	0.356	0.381	0.269	0.288	46
					Right Tilt	600	1880.0	25.70	25.40	0.154	0.165	0.121	0.130	
		1xEVDO Rel. 0	Mode A	0	Left Touch	600	1880.0	25.70	25.27	0.103	0.114	0.069	0.076	
					Left Tilt	600	1880.0	25.70	25.27	0.091	0.100	0.052	0.057	
					Right Touch	600	1880.0	25.70	25.27	0.138	0.152	0.090	0.099	
					Right Tilt	600	1880.0	25.70	25.27	0.088	0.097	0.055	0.061	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	600	1880.0	16.50	16.40	0.512	0.524	0.250	0.256	47
					Front	600	1880.0	16.50	16.40	0.481	0.492	0.227	0.232	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	600	1880.0	16.50	16.40	0.097	0.099	0.047	0.048	
					Edge 3	25	1851.3	16.50	16.00	0.821	0.921	0.371	0.416	
						600	1880.0	16.50	16.40	0.914	0.935	0.412	0.422	
						1175	1908.8	16.50	16.30	**0.929**	0.973	0.417	0.437	48
					Edge 4	600	1880.0	16.50	16.40	0.027	0.028	0.014	0.014	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	1xRTT RC3 SO55	Mode A	0	Left Touch	600	1880.0	20.00	19.35	0.226	0.262	0.121	0.141	
					Left Tilt	600	1880.0	20.00	19.35	0.228	0.265	0.113	0.131	
					Right Touch	600	1880.0	20.00	19.35	0.612	0.711	0.321	0.373	
					Right Tilt	600	1880.0	20.00	19.35	0.564	0.655	0.266	0.309	
		1xEVDO Rel. 0	Mode A	0	Left Touch	600	1880.0	20.00	19.35	0.239	0.278	0.126	0.146	
					Left Tilt	600	1880.0	20.00	19.35	0.264	0.307	0.130	0.151	
					Right Touch	25	1851.3	20.00	19.35	0.689	0.800	0.360	0.418	
						600	1880.0	20.00	19.35	0.692	0.804	0.365	0.424	
						1175	1908.8	20.00	19.35	0.743	0.863	0.398	0.462	49
					Right Tilt	600	1880.0	20.00	19.35	0.636	0.739	0.301	0.350	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	25	1851.3	20.25	19.45	0.776	0.933	0.346	0.416	
						600	1880.0	20.25	19.50	0.783	0.931	0.350	0.416	
						1175	1908.8	20.25	19.43	0.811	0.980	0.363	0.438	50
					Front	600	1880.0	20.25	19.50	0.402	0.478	0.197	0.234	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	600	1880.0	20.25	19.50	0.629	0.748	0.285	0.339	
					Edge 2	600	1880.0	20.25	19.50	0.011	0.013	0.004	0.005	
					Edge 4	600	1880.0	20.25	19.50	0.454	0.540	0.221	0.263	

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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	25.20	0.159	0.178	0.123	0.138	
					Left Tilt	560	820.0	25.70	25.20	0.082	0.092	0.065	0.073	
					Right Touch	560	820.0	25.70	25.20	0.214	0.240	0.161	0.181	51
					Right Tilt	560	820.0	25.70	25.20	0.080	0.090	0.063	0.071	
		1xEVDO Rel. 0	Mode A	0	Left Touch	560	820.0	25.70	25.20	0.133	0.149	0.097	0.109	
					Left Tilt	560	820.0	25.70	25.20	0.070	0.078	0.037	0.042	
					Right Touch	560	820.0	25.70	25.20	0.166	0.186	0.124	0.139	
					Right Tilt	560	820.0	25.70	25.20	0.058	0.065	0.040	0.045	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	560	820.0	25.70	25.20	0.493	0.553	0.281	0.315	52
					Front	560	820.0	25.70	25.20	0.185	0.208	0.139	0.156	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	560	820.0	25.70	25.20	0.578	0.649	0.361	0.405	53
					Edge 3	560	820.0	25.70	25.20	0.370	0.415	0.168	0.188	
					Edge 4	560	820.0	25.70	25.20	0.216	0.242	0.135	0.151	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	1xRTT RC3 SO55	Mode A	0	Left Touch	560	820.0	23.90	23.50	0.610	0.669	0.440	0.482	
					Left Tilt	560	820.0	23.90	23.50	0.567	0.622	0.305	0.334	
					Right Touch	560	820.0	23.90	23.50	**0.648**	0.711	0.393	0.431	54
					Right Tilt	560	820.0	23.90	23.50	0.639	0.701	0.358	0.393	
		1xEVDO Rel. 0	Mode A	0	Left Touch	560	820.0	23.90	23.50	0.618	0.678	0.422	0.463	
					Left Tilt	560	820.0	23.90	23.50	0.637	0.698	0.347	0.380	
					Right Touch	560	820.0	23.90	23.50	0.561	0.615	0.387	0.424	
					Right Tilt	560	820.0	23.90	23.50	0.577	0.633	0.312	0.342	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	560	820.0	23.90	23.50	0.447	0.490	0.270	0.296	55
					Front	560	820.0	23.90	23.50	0.234	0.257	0.157	0.172	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	560	820.0	23.90	23.50	0.161	0.177	0.081	0.089	
					Edge 2	560	820.0	23.90	23.50	0.180	0.197	0.115	0.126	
					Edge 4	560	820.0	23.90	23.50	0.251	0.275	0.161	0.177	

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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	25.60	0.156	0.160	0.127	0.130	
								25	12	24.70	24.60	0.129	0.132	0.102	0.104	
					Left Tilt	20525	836.5	1	25	25.70	25.60	0.100	0.102	0.077	0.079	
								25	12	24.70	24.60	0.081	0.083	0.062	0.063	
					Right Touch	20525	836.5	1	25	25.70	25.60	0.230	**0.235**	0.174	0.178	56
								25	12	24.70	24.60	0.188	0.192	0.142	0.145	
					Right Tilt	20525	836.5	1	25	25.70	25.60	0.098	0.100	0.079	0.081	
								25	12	24.70	24.60	0.079	0.081	0.064	0.065	
	Body & Hotspot	QPSK	Mode B	5	Rear	20525	836.5	1	25	25.70	25.60	0.778	**0.796**	0.418	0.428	57
								25	12	24.70	24.60	0.709	0.726	0.381	0.390	
					Front	20525	836.5	1	25	25.70	25.60	0.369	0.378	0.219	0.224	
								25	12	24.70	24.60	0.336	0.344	0.199	0.204	
	Hotspot	QPSK	Mode B	5	Edge 2	20525	836.5	1	25	25.70	25.60	0.461	0.472	0.266	0.272	
								25	12	24.70	24.60	0.418	0.428	0.242	0.248	
					Edge 3	20525	836.5	1	25	25.70	25.60	0.500	0.512	0.219	0.224	
								25	12	24.70	24.60	0.459	0.470	0.200	0.205	
					Edge 4	20525	836.5	1	25	25.70	25.60	0.179	0.183	0.112	0.115	
								25	12	24.70	24.60	0.165	0.169	0.103	0.105	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	20525	836.5	1	25	24.50	24.50	0.631	0.631	0.448	0.448	
								25	12	23.50	23.40	0.521	0.533	0.369	0.378	
					Left Tilt	20525	836.5	1	25	24.50	24.50	0.620	0.620	0.318	0.318	
								25	12	23.50	23.40	0.496	0.508	0.256	0.262	
					Right Touch	20525	836.5	1	25	24.50	24.50	0.889	**0.889**	0.553	0.553	58
								25	12	23.50	23.40	0.797	0.816	0.486	0.497	
								50	0	23.50	23.35	0.706	0.731	0.441	0.456	
					Right Tilt	20525	836.5	1	25	24.50	24.50	0.619	0.619	0.313	0.313	
								25	12	23.50	23.40	0.503	0.515	0.254	0.260	
	Body & Hotspot	QPSK	Mode B	5	Rear	20525	836.5	1	25	24.50	24.50	0.384	**0.384**	0.239	0.239	59
								25	12	23.50	23.40	0.316	0.323	0.196	0.201	
					Front	20525	836.5	1	25	24.50	24.50	0.283	0.283	0.196	0.196	
								25	12	23.50	23.40	0.228	0.233	0.156	0.160	
	Hotspot	QPSK	Mode B	5	Edge 1	20525	836.5	1	25	24.50	24.50	0.206	0.206	0.100	0.100	
								25	12	23.50	23.40	0.169	0.173	0.081	0.083	
					Edge 2	20525	836.5	1	25	24.50	24.50	0.212	0.212	0.135	0.135	
								25	12	23.50	23.40	0.173	0.177	0.110	0.113	
					Edge 4	20525	836.5	1	25	24.50	24.50	0.288	0.288	0.183	0.183	
								25	12	23.50	23.40	0.236	0.241	0.150	0.153	

UL CA 5B

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)	1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offest	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	20476	831.6	1	49	20575	841.5	1	0	25.70	25.60	0.207	0.212	0.160	0.164	
ANT 1	Body	QPSK	Mode B	5	Rear	20476	831.6	1	49	20575	841.5	1	0	25.70	25.57	0.627	0.646	0.355	0.366	
ANT 2	Head	QPSK	Mode A	0	Right Touch	20476	831.6	1	49	20575	841.5	1	0	24.50	24.22	0.601	0.641	0.375	0.400	
ANT 2	Body	QPSK	Mode B	5	Rear	20476	831.6	1	49	20575	841.5	1	0	24.50	24.12	0.342	0.373	0.213	0.232	

Note(s):

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

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10.10. LTE Band 7 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	21100	2535.0	1	49	25.70	25.50	0.246	0.258	0.134	0.140	
								50	24	24.70	24.50	0.233	0.244	0.124	0.130	
					Left Tilt	21100	2535.0	1	49	25.70	25.50	0.128	0.134	0.069	0.072	
								50	24	24.70	24.50	0.093	0.097	0.049	0.051	
					Right Touch	21100	2535.0	1	49	25.70	25.50	0.345	**0.361**	0.178	0.186	60
								50	24	24.70	24.50	0.277	0.290	0.144	0.151	
					Right Tilt	21100	2535.0	1	49	25.70	25.50	0.093	0.098	0.049	0.051	
								50	24	24.70	24.50	0.072	0.075	0.036	0.037	
	Body & Hotspot	QPSK	Mode B	5	Rear	21100	2535.0	1	49	19.50	19.50	0.558	0.558	0.242	0.242	
								50	24	19.50	19.50	0.577	**0.577**	0.251	0.251	61
					Front	21100	2535.0	1	49	19.50	19.50	0.528	0.528	0.223	0.223	
								50	24	19.50	19.50	0.540	0.540	0.225	0.225	
	Hotspot	QPSK	Mode B	5	Edge 2	20850	2510.0	1	49	19.50	19.50	0.971	0.971	0.398	0.398	
								50	24	19.50	19.50	0.998	**0.998**	0.410	0.410	62
						21100	2535.0	1	49	19.50	19.50	0.802	0.802	0.333	0.333	
								50	24	19.50	19.50	0.827	0.827	0.343	0.343	
								100	0	19.50	19.50	0.923	0.923	0.379	0.379	
						21350	2560.0	1	49	19.50	19.50	0.877	0.877	0.359	0.359	
								50	24	19.50	19.50	0.893	0.893	0.366	0.366	
					Edge 3	21100	2535.0	1	49	19.50	19.50	0.133	0.133	0.052	0.052	
								50	24	19.50	19.50	0.139	0.139	0.054	0.054	
					Edge 4	21100	2535.0	1	49	19.50	19.50	0.042	0.042	0.018	0.018	
								50	24	19.50	19.50	0.044	0.044	0.018	0.018	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	20850	2510.0	50	24	16.50	16.40	0.767	0.785	0.307	0.314	
						21100	2535.0	1	49	16.50	16.50	0.780	0.780	0.310	0.310	
								50	24	16.50	16.40	0.805	0.824	0.319	0.326	
						21350	2560.0	50	24	16.50	16.30	0.935	**0.979**	0.361	0.378	63
					Left Tilt	20850	2510.0	1	49	16.50	16.40	0.851	0.871	0.326	0.334	
								50	24	16.50	16.40	0.879	0.899	0.337	0.345	
						21100	2535.0	1	49	16.50	16.50	0.832	0.832	0.308	0.308	
								50	24	16.50	16.40	0.855	0.875	0.318	0.325	
								100	0	16.50	16.30	0.840	0.880	0.311	0.326	
						21350	2560.0	1	49	16.50	16.45	0.847	0.857	0.311	0.315	
								50	24	16.50	16.30	0.864	0.905	0.321	0.336	
					Right Touch	21100	2535.0	1	49	16.50	16.50	0.682	0.682	0.255	0.255	
								50	24	16.50	16.40	0.732	0.749	0.273	0.279	
					Right Tilt	21100	2535.0	1	49	16.50	16.50	0.622	0.622	0.245	0.245	
								50	24	16.50	16.40	0.662	0.677	0.256	0.262	
	Body & Hotspot	QPSK	Mode B	5	Rear	20850	2510.0	1	49	17.50	17.50	0.789	0.789	0.309	0.309	
								50	24	17.50	17.50	0.815	0.815	0.318	0.318	
						21100	2535.0	1	49	17.50	17.50	0.854	0.854	0.325	0.325	
								50	24	17.50	17.50	0.899	**0.899**	0.342	0.342	64
								100	0	17.50	17.50	0.883	0.883	0.335	0.335	
						21350	2560.0	1	49	17.50	17.50	0.751	0.751	0.307	0.307	
								50	24	17.50	17.50	0.774	0.774	0.315	0.315	
					Front	21100	2535.0	1	49	17.50	17.50	0.632	0.632	0.254	0.254	
								50	24	17.50	17.50	0.652	0.652	0.261	0.261	
	Hotspot	QPSK	Mode B	5	Edge 1	20850	2510.0	1	49	17.50	17.50	0.908	0.908	0.341	0.341	
								50	24	17.50	17.50	0.936	**0.936**	0.352	0.352	65
						21100	2535.0	1	49	17.50	17.50	0.892	0.892	0.333	0.333	
								50	24	17.50	17.50	0.935	0.935	0.347	0.347	
								100	0	17.50	17.50	0.921	0.921	0.343	0.343	
						21350	2560.0	1	49	17.50	17.50	0.898	0.898	0.331	0.331	
								50	24	17.50	17.50	0.925	0.925	0.341	0.341	
					Edge 2	21100	2535.0	1	49	17.50	17.50	0.090	0.090	0.041	0.041	
								50	24	17.50	17.50	0.085	0.085	0.039	0.039	
					Edge 4	21100	2535.0	1	49	17.50	17.50	0.642	0.642	0.289	0.289	
								50	24	17.50	17.50	0.662	0.662	0.298	0.298	

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Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	QPSK	Mode A	0	Left Touch	20850	2510.0	1	49	23.00	23.00	0.953	**0.953**	0.515	0.515	66
								50	24	23.00	23.00	0.852	0.852	0.460	0.460	
						21100	2535.0	1	49	23.00	23.00	0.892	0.892	0.477	0.477	
								50	24	23.00	23.00	0.780	0.780	0.415	0.415	
								100	0	23.00	23.00	0.653	0.653	0.350	0.350	
						21350	2560.0	1	49	23.00	23.00	0.908	0.908	0.486	0.486	
								50	24	23.00	23.00	0.790	0.790	0.420	0.420	
					Left Tilt	21100	2535.0	1	49	23.00	23.00	0.259	0.259	0.142	0.142	
								50	24	23.00	23.00	0.213	0.213	0.113	0.113	
					Right Touch	21100	2535.0	1	49	23.00	23.00	0.481	0.481	0.273	0.273	
								50	24	23.00	23.00	0.390	0.390	0.222	0.222	
					Right Tilt	21100	2535.0	1	49	23.00	23.00	0.419	0.419	0.223	0.223	
								50	24	23.00	23.00	0.340	0.340	0.180	0.180	
	Body & Hotspot	QPSK	Mode B	5	Rear	20850	2510.0	1	49	18.00	17.90	0.903	0.924	0.446	0.456	
								50	24	18.00	17.90	0.929	0.951	0.477	0.488	
						21100	2535.0	1	49	18.00	17.90	0.909	0.930	0.445	0.455	
								50	24	18.00	17.90	0.941	0.963	0.461	0.472	
								100	0	18.00	17.90	0.932	0.954	0.457	0.468	
						21350	2560.0	1	49	18.00	18.00	0.981	**0.981**	0.489	0.489	67
								50	24	18.00	18.00	0.910	0.910	0.457	0.457	
					Front	21100	2535.0	1	49	18.00	17.90	0.636	0.651	0.330	0.338	
								50	24	18.00	17.90	0.655	0.670	0.340	0.348	
	Hotspot	QPSK	Mode B	5	Edge 3	21100	2535.0	1	49	18.00	17.90	0.206	0.211	0.100	0.102	
								50	24	18.00	17.90	0.213	0.218	0.104	0.106	
					Edge 4	20850	2510.0	1	49	18.00	17.90	0.897	0.918	0.416	0.426	
								50	24	18.00	17.90	0.819	0.838	0.383	0.392	
						21100	2535.0	1	49	18.00	17.90	0.786	0.804	0.359	0.367	
								50	24	18.00	17.90	0.812	0.831	0.371	0.380	
								100	0	18.00	17.90	0.862	0.882	0.396	0.405	
						21350	2560.0	1	49	18.00	18.00	0.856	0.856	0.386	0.386	
								50	24	18.00	18.00	0.806	0.806	0.366	0.366	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	QPSK	Mode A	0	Left Touch	20850	2510.0	1	49	20.00	20.00	0.942	0.942	0.397	0.397	
								50	24	20.00	20.00	0.855	0.855	0.361	0.361	
						21100	2535.0	1	49	20.00	20.00	0.948	0.948	0.394	0.394	
								50	24	20.00	20.00	0.976	**0.976**	0.405	0.405	68
								100	0	20.00	20.00	0.974	0.974	0.404	0.404	
						21350	2560.0	1	49	20.00	20.00	0.975	0.975	0.400	0.400	
								50	24	20.00	20.00	0.953	0.953	0.388	0.388	
					Left Tilt	21100	2535.0	1	49	20.00	20.00	0.561	0.561	0.244	0.244	
								50	24	20.00	20.00	0.579	0.579	0.251	0.251	
					Right Touch	21100	2535.0	1	49	20.00	20.00	0.250	0.250	0.113	0.113	
								50	24	20.00	20.00	0.258	0.258	0.117	0.117	
					Right Tilt	21100	2535.0	1	49	20.00	20.00	0.200	0.200	0.094	0.094	
								50	24	20.00	20.00	0.207	0.207	0.097	0.097	
	Body & Hotspot	QPSK	Mode B	5	Rear	21100	2535.0	1	49	21.50	21.30	0.716	**0.750**	0.305	0.319	69
								50	24	21.20	21.00	0.656	0.687	0.279	0.292	
					Front	21100	2535.0	1	49	21.50	21.30	0.489	0.512	0.227	0.238	
								50	24	21.20	21.00	0.461	0.483	0.212	0.222	
	Hotspot	QPSK	Mode B	5	Edge 1	21100	2535.0	1	49	21.50	21.30	0.133	0.139	0.064	0.067	
								50	24	21.20	21.00	0.107	0.112	0.049	0.051	
					Edge 2	20850	2510.0	1	49	21.50	21.30	0.781	0.818	0.361	0.378	
						21100	2535.0	1	49	21.50	21.30	0.789	0.826	0.360	0.377	
								50	24	21.20	21.00	0.645	0.675	0.294	0.308	
						21350	2560.0	1	49	21.50	21.30	0.912	**0.955**	0.410	0.429	70

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UL CA 7C

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	21001	2525.1	1	99	21199	2544.9	1	0	25.70	25.30	0.369	0.405	0.192	0.211	
ANT 1	Body	QPSK	Mode B	5	Rear	21001	2525.1	1	99	21199	2544.9	1	0	19.50	19.34	0.616	0.639	0.270	0.280	
ANT 1	Hotspot	QPSK	Mode B	5	Edge 2	20850	2510.0	1	99	21048	2529.8	1	0	19.50	19.12	0.853	0.931	0.353	0.385	
ANT 2	Head	QPSK	Mode A	0	Left Touch	21152	2540.2	1	99	21350	2560.0	1	0	16.50	16.26	0.610	0.645	0.234	0.247	
ANT 2	Body	QPSK	Mode B	5	Rear	21001	2525.1	1	99	21199	2544.9	1	0	17.50	17.50	0.504	0.504	0.208	0.208	
ANT 2	Hotspot	QPSK	Mode B	5	Edge 1	20850	2510.0	1	99	21048	2529.8	1	0	17.50	17.50	0.707	0.707	0.261	0.261	
ANT 3	Head	QPSK	Mode A	0	Left Touch	20850	2510.0	1	99	21048	2529.8	1	0	23.00	22.80	0.945	0.990	0.507	0.531	
ANT 3	Body	QPSK	Mode B	5	Rear	21152	2540.2	1	99	21350	2560.0	1	0	18.00	17.66	0.831	0.899	0.414	0.448	
ANT 4	Head	QPSK	Mode A	0	Left Touch	21001	2525.1	1	99	21199	2544.9	1	0	20.00	19.76	0.724	0.765	0.297	0.314	
ANT 4	Body	QPSK	Mode B	5	Rear	20850	2510.0	1	99	21048	2529.8	1	0	21.50	21.34	0.623	0.646	0.255	0.265	
ANT 4	Hotspot	QPSK	Mode B	5	Edge 2	21152	2540.2	1	99	21350	2560.0	1	0	21.50	21.45	0.726	0.734	0.310	0.314	

Note(s):
PCC RB allocation setting for UL CA has been adjusted based on the worst-case power.

10.11. LTE Band 12 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	23095	707.5	1	25	25.70	25.20	0.156	0.175	0.125	0.140	
								25	12	24.70	24.20	0.131	0.147	0.105	0.118	
					Left Tilt	23095	707.5	1	25	25.70	25.20	0.059	0.066	0.035	0.039	
								25	12	24.70	24.20	0.048	0.054	0.028	0.031	
					Right Touch	23095	707.5	1	25	25.70	25.20	0.204	**0.229**	0.157	0.176	71
								25	12	24.70	24.20	0.166	0.186	0.128	0.144	
					Right Tilt	23095	707.5	1	25	25.70	25.20	0.083	0.093	0.067	0.075	
								25	12	24.70	24.20	0.066	0.074	0.053	0.059	
	Body & Hotspot	QPSK	Mode B	5	Rear	23095	707.5	1	25	25.70	25.20	0.476	**0.534**	0.284	0.319	72
								25	12	24.70	24.20	0.382	0.429	0.229	0.257	
					Front	23095	707.5	1	25	25.70	25.20	0.266	0.298	0.167	0.187	
								25	12	24.70	24.20	0.219	0.246	0.136	0.153	
	Hotspot	QPSK	Mode B	5	Edge 2	23095	707.5	1	25	25.70	25.20	0.591	**0.663**	0.379	0.425	73
								25	12	24.70	24.20	0.485	0.544	0.311	0.349	
					Edge 3	23095	707.5	1	25	25.70	25.20	0.253	0.284	0.110	0.123	
								25	12	24.70	24.20	0.207	0.232	0.090	0.101	
					Edge 4	23095	707.5	1	25	25.70	25.20	0.238	0.267	0.152	0.171	
								25	12	24.70	24.20	0.191	0.214	0.122	0.137	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	23095	707.5	1	25	23.90	23.30	0.445	0.511	0.284	0.326	
								25	12	22.90	22.81	0.368	0.376	0.236	0.241	
					Left Tilt	23095	707.5	1	25	23.90	23.30	0.531	**0.610**	0.271	0.311	74
								25	12	22.90	22.81	0.438	0.447	0.223	0.228	
					Right Touch	23095	707.5	1	25	23.90	23.30	0.478	0.549	0.309	0.355	
								25	12	22.90	22.81	0.395	0.403	0.254	0.259	
					Right Tilt	23095	707.5	1	25	23.90	23.30	0.503	0.578	0.261	0.300	
								25	12	22.90	22.81	0.422	0.431	0.217	0.222	
	Body & Hotspot	QPSK	Mode B	5	Rear	23095	707.5	1	25	23.90	23.30	0.293	**0.336**	0.177	0.203	75
								25	12	22.90	22.81	0.243	0.248	0.147	0.150	
					Front	23095	707.5	1	25	23.90	23.30	0.191	0.219	0.132	0.152	
								25	12	22.90	22.81	0.157	0.160	0.109	0.111	
	Hotspot	QPSK	Mode B	5	Edge 1	23095	707.5	1	25	23.90	23.30	0.126	0.145	0.058	0.067	
								25	12	22.90	22.81	0.103	0.105	0.047	0.048	
					Edge 2	23095	707.5	1	25	23.90	23.30	0.127	0.146	0.082	0.094	
								25	12	22.90	22.81	0.103	0.105	0.067	0.068	
					Edge 4	23095	707.5	1	25	23.90	23.30	0.250	0.287	0.160	0.184	
								25	12	22.90	22.81	0.207	0.211	0.132	0.135	

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10.12. LTE Band 13 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	23230	782.0	1	25	25.70	25.20	0.161	0.181	0.127	0.142	
								25	12	24.70	24.20	0.127	0.142	0.100	0.112	
					Left Tilt	23230	782.0	1	25	25.70	25.20	0.096	0.108	0.077	0.086	
								25	12	24.70	24.20	0.078	0.088	0.062	0.070	
					Right Touch	23230	782.0	1	25	25.70	25.20	0.206	**0.231**	0.156	0.175	76
								25	12	24.70	24.20	0.168	0.188	0.127	0.142	
					Right Tilt	23230	782.0	1	25	25.70	25.20	0.086	0.096	0.069	0.077	
								25	12	24.70	24.20	0.070	0.079	0.056	0.063	
	Body & Hotspot	QPSK	Mode B	5	Rear	23230	782.0	1	25	25.70	25.20	0.427	**0.479**	0.265	0.297	77
								25	12	24.70	24.20	0.354	0.397	0.218	0.245	
					Front	23230	782.0	1	25	25.70	25.20	0.253	0.284	0.162	0.182	
								25	12	24.70	24.20	0.204	0.229	0.137	0.154	
	Hotspot	QPSK	Mode B	5	Edge 2	23230	782.0	1	25	25.70	25.20	0.575	**0.645**	0.364	0.408	78
								25	12	24.70	24.20	0.485	0.544	0.306	0.343	
					Edge 3	23230	782.0	1	25	25.70	25.20	0.210	0.236	0.090	0.101	
								25	12	24.70	24.20	0.173	0.194	0.076	0.085	
					Edge 4	23230	782.0	1	25	25.70	25.20	0.282	0.316	0.179	0.201	
								25	12	24.70	24.20	0.238	0.267	0.347	0.389	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	23230	782.0	1	25	23.90	23.60	0.505	0.541	0.346	0.371	
								25	12	22.90	22.80	0.410	0.420	0.268	0.274	
					Left Tilt	23230	782.0	1	25	23.90	23.60	0.601	**0.644**	0.298	0.319	79
								25	12	22.90	22.80	0.571	0.584	0.284	0.291	
					Right Touch	23230	782.0	1	25	23.90	23.60	0.439	0.470	0.287	0.308	
								25	12	22.90	22.80	0.359	0.367	0.235	0.240	
					Right Tilt	23230	782.0	1	25	23.90	23.60	0.427	0.458	0.248	0.266	
								25	12	22.90	22.80	0.348	0.356	0.202	0.207	
	Body & Hotspot	QPSK	Mode B	5	Rear	23230	782.0	1	25	23.90	23.60	0.388	**0.416**	0.226	0.242	80
								25	12	22.90	22.80	0.318	0.325	0.185	0.189	
					Front	23230	782.0	1	25	23.90	23.60	0.240	0.257	0.160	0.171	
								25	12	22.90	22.80	0.234	0.239	0.152	0.156	
	Hotspot	QPSK	Mode B	5	Edge 1	23230	782.0	1	25	23.90	23.60	0.189	0.203	0.090	0.096	
								25	12	22.90	22.80	0.156	0.160	0.074	0.076	
					Edge 2	23230	782.0	1	25	23.90	23.60	0.207	0.222	0.132	0.141	
								25	12	22.90	22.80	0.168	0.172	0.107	0.109	
					Edge 4	23230	782.0	1	25	23.90	23.60	0.214	0.229	0.135	0.145	
								25	12	22.90	22.80	0.205	0.210	0.129	0.132	

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10.13. LTE Band 14 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	23330	793.0	1	25	25.70	25.20	0.160	0.180	0.127	0.142	
								25	12	24.70	24.20	0.131	0.147	0.103	0.116	
					Left Tilt	23330	793.0	1	25	25.70	25.20	0.091	0.102	0.074	0.083	
								25	12	24.70	24.20	0.072	0.080	0.058	0.065	
					Right Touch	23330	793.0	1	25	25.70	25.20	0.213	**0.239**	0.162	0.182	81
								25	12	24.70	24.20	0.175	0.196	0.133	0.149	
					Right Tilt	23330	793.0	1	25	25.70	25.20	0.096	0.108	0.076	0.085	
								25	12	24.70	24.20	0.078	0.088	0.062	0.070	
	Body & Hotspot	QPSK	Mode B	5	Rear	23330	793.0	1	25	25.70	25.20	0.387	**0.434**	0.232	0.260	82
								25	12	24.70	24.20	0.305	0.342	0.184	0.206	
					Front	23330	793.0	1	25	25.70	25.20	0.181	0.203	0.120	0.135	
								25	12	24.70	24.20	0.160	0.180	0.105	0.118	
	Hotspot	QPSK	Mode B	5	Edge 2	23330	793.0	1	25	25.70	25.20	0.457	**0.513**	0.291	0.327	83
								25	12	24.70	24.20	0.382	0.429	0.242	0.272	
					Edge 3	23330	793.0	1	25	25.70	25.20	0.145	0.163	0.066	0.074	
								25	12	24.70	24.20	0.120	0.135	0.054	0.061	
					Edge 4	23330	793.0	1	25	25.70	25.20	0.224	0.251	0.142	0.159	
								25	12	24.70	24.20	0.184	0.206	0.117	0.131	

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	23.90	23.60	0.431	0.462	0.303	0.325	
								25	12	22.90	22.60	0.410	0.439	0.292	0.313	
					Left Tilt	23330	793.0	1	25	23.90	23.60	0.493	0.528	0.268	0.287	
								25	12	22.90	22.60	0.491	0.526	0.265	0.284	
					Right Touch	23330	793.0	1	25	23.90	23.60	0.524	**0.561**	0.337	0.361	84
								25	12	22.90	22.60	0.386	0.414	0.249	0.267	
					Right Tilt	23330	793.0	1	25	23.90	23.60	0.392	0.420	0.227	0.243	
								25	12	22.90	22.60	0.320	0.343	0.184	0.197	
	Body & Hotspot	QPSK	Mode B	5	Rear	23330	793.0	1	25	23.90	23.60	0.437	0.468	0.255	0.273	
								25	12	22.90	22.60	0.357	0.383	0.208	0.223	
					Front	23330	793.0	1	25	23.90	23.60	0.635	**0.680**	0.341	0.365	85
								25	12	22.90	22.60	0.514	0.551	0.275	0.295	
	Hotspot	QPSK	Mode B	5	Edge 1	23330	793.0	1	25	23.90	23.60	0.317	0.340	0.137	0.147	
								25	12	22.90	22.60	0.259	0.278	0.112	0.120	
					Edge 2	23330	793.0	1	25	23.90	23.60	0.208	0.223	0.125	0.134	
								25	12	22.90	22.60	0.166	0.178	0.100	0.107	
					Edge 4	23330	793.0	1	25	23.90	23.60	0.248	0.266	0.155	0.166	
								25	12	22.90	22.60	0.204	0.219	0.128	0.137	

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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	25.30	0.146	0.160	0.095	0.104	
								50	24	24.70	24.40	0.116	0.124	0.075	0.080	
					Left Tilt	26365	1882.5	1	49	25.70	25.30	0.079	0.087	0.047	0.052	
								50	24	24.70	24.40	0.063	0.068	0.037	0.040	
					Right Touch	26365	1882.5	1	49	25.70	25.30	0.290	**0.318**	0.184	0.202	86
								50	24	24.70	24.40	0.232	0.249	0.147	0.158	
					Right Tilt	26365	1882.5	1	49	25.70	25.30	0.080	0.087	0.051	0.056	
								50	24	24.70	24.40	0.062	0.067	0.040	0.043	
	Body & Hotspot	QPSK	Mode B	5	Rear	26365	1882.5	1	49	16.50	16.20	0.388	0.416	0.190	0.204	
								50	24	16.50	16.10	0.392	**0.430**	0.192	0.211	87
					Front	26365	1882.5	1	49	16.50	16.20	0.330	0.354	0.157	0.168	
								50	24	16.50	16.10	0.332	0.364	0.158	0.173	
	Hotspot	QPSK	Mode B	5	Edge 2	26365	1882.5	1	49	16.50	16.20	0.086	0.092	0.044	0.047	
								50	24	16.50	16.10	0.085	0.093	0.044	0.048	
					Edge 3	26140	1860.0	1	49	16.50	16.06	0.770	0.852	0.345	0.382	
								50	24	16.50	16.18	0.788	0.848	0.351	0.378	
						26365	1882.5	1	49	16.50	16.20	0.838	0.898	0.374	0.401	
								50	24	16.50	16.10	0.853	0.935	0.379	0.416	
								100	0	16.50	15.97	0.781	0.882	0.350	0.395	
						26590	1905.0	1	49	16.50	16.00	0.851	0.955	0.381	0.427	
								50	24	16.50	16.03	0.868	**0.967**	0.388	0.432	88
					Edge 4	26365	1882.5	1	49	16.50	16.20	0.006	0.007	0.003	0.003	
								50	24	16.50	16.10	0.005	0.005	0.001	0.002	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	26365	1882.5	1	49	20.00	19.25	0.185	0.220	0.097	0.115	
								50	24	20.00	19.25	0.182	0.216	0.095	0.113	
					Left Tilt	26365	1882.5	1	49	20.00	19.25	0.203	0.241	0.100	0.119	
								50	24	20.00	19.25	0.205	0.244	0.101	0.120	
					Right Touch	26365	1882.5	1	49	20.00	19.25	0.598	0.711	0.313	0.372	
								50	24	20.00	19.25	0.603	0.717	0.315	0.374	
					Right Tilt	26365	1882.5	1	49	20.00	19.25	0.591	0.702	0.280	0.333	
								50	24	20.00	19.25	0.607	**0.721**	0.282	0.335	89
	Body & Hotspot	QPSK	Mode B	5	Rear	26140	1860.0	1	49	20.25	19.90	0.783	0.849	0.344	0.373	
								50	24	20.25	19.90	0.801	0.868	0.351	0.380	
						26365	1882.5	1	49	20.25	19.90	0.780	0.845	0.346	0.375	
								50	24	20.25	19.90	0.811	**0.879**	0.359	0.389	90
								100	0	20.25	19.90	0.777	0.842	0.344	0.373	
						26590	1905.0	1	49	20.25	19.90	0.784	0.850	0.346	0.375	
								50	24	20.25	19.90	0.798	0.865	0.351	0.380	
					Front	26365	1882.5	1	49	20.25	19.90	0.356	0.386	0.174	0.189	
								50	24	20.25	19.90	0.360	0.390	0.173	0.188	
	Hotspot	QPSK	Mode B	5	Edge 1	26365	1882.5	1	49	20.25	19.90	0.478	0.518	0.216	0.234	
								50	24	20.25	19.90	0.484	0.525	0.216	0.234	
					Edge 2	26365	1882.5	1	49	20.25	19.90	0.013	0.014	0.006	0.007	
								50	24	20.25	19.90	0.012	0.013	0.006	0.006	
					Edge 4	26365	1882.5	1	49	20.25	19.90	0.458	0.496	0.222	0.241	
								50	24	20.25	19.90	0.460	0.499	0.224	0.243	

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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	24.30	0.495	**0.543**	0.314	0.344	91
								50	24	23.70	23.30	0.401	0.440	0.254	0.279	
					Left Tilt	26365	1882.5	1	49	24.70	24.30	0.231	0.253	0.145	0.159	
								50	24	23.70	23.30	0.185	0.203	0.115	0.126	
					Right Touch	26365	1882.5	1	49	24.70	24.30	0.310	0.340	0.180	0.197	
								50	24	23.70	23.30	0.273	0.299	0.160	0.175	
					Right Tilt	26365	1882.5	1	49	24.70	24.30	0.229	0.251	0.132	0.145	
								50	24	23.70	23.30	0.180	0.197	0.105	0.115	
	Body & Hotspot	QPSK	Mode B	5	Rear	26140	1860.0	1	49	19.50	19.00	0.686	0.770	0.363	0.407	
								50	24	19.50	19.00	0.701	0.787	0.369	0.414	
						26365	1882.5	1	49	19.50	19.00	0.728	0.817	0.377	0.423	
								50	24	19.50	19.00	0.745	0.836	0.387	0.434	
								100	0	19.50	19.00	0.728	0.817	0.378	0.424	
						26590	1905.0	1	49	19.50	19.00	0.771	0.865	0.395	0.443	
								50	24	19.50	19.00	0.772	**0.866**	0.394	0.442	92
					Front	26365	1882.5	1	49	19.50	19.00	0.513	0.576	0.282	0.316	
								50	24	19.50	19.00	0.524	0.588	0.288	0.323	
	Hotspot	QPSK	Mode B	5	Edge 3	26365	1882.5	1	49	19.50	19.00	0.195	0.219	0.094	0.105	
								50	24	19.50	19.00	0.196	0.220	0.095	0.107	
					Edge 4	26365	1882.5	1	49	19.50	19.00	0.694	0.779	0.369	0.414	
								50	24	19.50	19.00	0.620	0.696	0.329	0.369	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	QPSK	Mode A	0	Left Touch	26140	1860.0	1	49	19.00	18.25	0.609	0.724	0.304	0.361	
								50	24	19.00	18.25	0.617	0.733	0.309	0.367	
						26365	1882.5	1	49	19.00	18.25	0.675	0.802	0.342	0.406	
								50	24	19.00	18.25	0.701	0.833	0.348	0.414	
								100	0	19.00	18.25	0.682	0.811	0.339	0.403	
						26590	1905.0	1	49	19.00	18.25	0.742	**0.882**	0.366	0.435	
								50	24	19.00	18.25	0.738	0.877	0.364	0.433	93
					Left Tilt	26365	1882.5	1	49	19.00	18.25	0.639	0.759	0.328	0.390	
								50	24	19.00	18.25	0.642	0.763	0.334	0.397	
					Right Touch	26365	1882.5	1	49	19.00	18.25	0.298	0.354	0.173	0.206	
								50	24	19.00	18.25	0.242	0.288	0.143	0.170	
					Right Tilt	26365	1882.5	1	49	19.00	18.25	0.178	0.212	0.097	0.115	
								50	24	19.00	18.25	0.180	0.214	0.099	0.118	
	Body & Hotspot	QPSK	Mode B	5	Rear	26365	1882.5	1	49	20.25	20.10	0.523	0.541	0.270	0.279	
								50	24	20.25	20.10	0.542	**0.561**	0.279	0.289	94
					Front	26365	1882.5	1	49	20.25	20.10	0.394	0.408	0.230	0.238	
								50	24	20.25	20.10	0.401	0.415	0.207	0.214	
	Hotspot	QPSK	Mode B	5	Edge 1	26365	1882.5	1	49	20.25	20.10	0.297	0.307	0.150	0.155	
								50	24	20.25	20.10	0.298	0.308	0.150	0.155	
					Edge 2	26140	1860.0	1	49	20.25	20.10	0.738	0.764	0.348	0.360	
								50	24	20.25	20.10	0.760	0.787	0.358	0.371	
						26365	1882.5	1	49	20.25	20.10	0.832	0.861	0.392	0.406	
								50	24	20.25	20.10	0.858	0.888	0.403	0.417	
								100	0	20.25	20.10	0.841	0.871	0.395	0.409	
						26590	1905.0	1	49	20.25	20.10	0.897	**0.929**	0.423	0.438	95
								50	24	20.25	20.10	0.887	0.918	0.419	0.434	

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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	0.161	0.165	0.127	0.130	
								25	12	24.70	24.60	0.130	0.133	0.103	0.105	
					Left Tilt	26865	831.5	1	25	25.70	25.60	0.098	0.100	0.075	0.077	
								25	12	24.70	24.60	0.078	0.080	0.061	0.062	
					Right Touch	26865	831.5	1	25	25.70	25.60	0.232	**0.237**	0.176	0.180	96
								25	12	24.70	24.60	0.189	0.193	0.144	0.147	
					Right Tilt	26865	831.5	1	25	25.70	25.60	0.088	0.090	0.071	0.073	
								25	12	24.70	24.60	0.071	0.073	0.057	0.058	
	Body & Hotspot	QPSK	Mode B	5	Rear	26865	831.5	1	25	25.70	25.60	0.770	**0.788**	0.414	0.424	97
								25	12	24.70	24.60	0.705	0.721	0.380	0.389	
					Front	26865	831.5	1	25	25.70	25.60	0.302	0.309	0.182	0.186	
								25	12	24.70	24.60	0.276	0.282	0.167	0.171	
	Hotspot	QPSK	Mode B	5	Edge 2	26865	831.5	1	25	25.70	25.60	0.541	0.554	0.338	0.346	
								25	12	24.70	24.60	0.494	0.506	0.307	0.314	
					Edge 3	26865	831.5	1	25	25.70	25.60	0.390	0.399	0.176	0.180	
								25	12	24.70	24.60	0.350	0.358	0.158	0.162	
					Edge 4	26865	831.5	1	25	25.70	25.60	0.152	0.156	0.096	0.098	
								25	12	24.70	24.60	0.139	0.142	0.088	0.090	

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	24.30	0.725	**0.759**	0.497	0.520	98
								25	12	23.50	23.30	0.575	0.602	0.357	0.374	
					Left Tilt	26865	831.5	1	25	24.50	24.30	0.670	0.702	0.329	0.345	
								25	12	23.50	23.30	0.538	0.563	0.264	0.276	
					Right Touch	26865	831.5	1	25	24.50	24.30	0.662	0.693	0.390	0.408	
								25	12	23.50	23.30	0.598	0.626	0.354	0.371	
					Right Tilt	26865	831.5	1	25	24.50	24.30	0.668	0.699	0.348	0.364	
								25	12	23.50	23.30	0.532	0.557	0.278	0.291	
	Body & Hotspot	QPSK	Mode B	5	Rear	26865	831.5	1	25	24.50	24.30	0.746	**0.781**	0.426	0.446	99
								25	12	23.50	23.30	0.602	0.630	0.341	0.357	
					Front	26865	831.5	1	25	24.50	24.30	0.423	0.443	0.266	0.279	
								25	12	23.50	23.30	0.339	0.355	0.214	0.224	
	Hotspot	QPSK	Mode B	5	Edge 1	26865	831.5	1	25	24.50	24.30	0.236	0.247	0.117	0.123	
								25	12	23.50	23.30	0.192	0.201	0.094	0.098	
					Edge 2	26865	831.5	1	25	24.50	24.30	0.201	0.210	0.123	0.129	
								25	12	23.50	23.30	0.164	0.172	0.101	0.106	
					Edge 4	26865	831.5	1	25	24.50	24.30	0.357	0.374	0.224	0.235	
								25	12	23.50	23.30	0.285	0.298	0.179	0.187	

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10.16. LTE Band 30 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	27710	2310.0	1	25	25.70	25.30	0.180	0.197	0.100	0.110	
								25	12	24.70	24.30	0.127	0.139	0.071	0.078	
					Left Tilt	27710	2310.0	1	25	25.70	25.30	0.065	0.071	0.027	0.030	
								25	12	24.70	24.30	0.048	0.053	0.019	0.021	
					Right Touch	27710	2310.0	1	25	25.70	25.30	0.550	**0.603**	0.259	0.284	100
								25	12	24.70	24.30	0.403	0.442	0.191	0.209	
					Right Tilt	27710	2310.0	1	25	25.70	25.30	0.068	0.075	0.039	0.043	
								25	12	24.70	24.30	0.057	0.062	0.032	0.035	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	21.00	21.00	0.946	0.946	0.401	0.401	
								25	12	21.00	21.00	0.982	**0.982**	0.413	0.413	101
								50	0	21.00	21.00	0.948	0.948	0.398	0.398	
					Front	27710	2310.0	1	25	21.00	21.00	0.412	0.412	0.195	0.195	
								25	12	21.00	21.00	0.425	0.425	0.202	0.202	
	Hotspot	QPSK	Mode B	5	Edge 2	27710	2310.0	1	25	21.00	21.00	0.819	0.819	0.358	0.358	
								25	12	21.00	21.00	0.857	0.857	0.375	0.375	
								50	0	21.00	21.00	0.813	0.813	0.359	0.359	
					Edge 3	27710	2310.0	1	25	21.00	21.00	0.177	0.177	0.080	0.080	
								25	12	21.00	21.00	0.183	0.183	0.082	0.082	
					Edge 4	27710	2310.0	1	25	21.00	21.00	0.063	0.063	0.035	0.035	
								25	12	21.00	21.00	0.064	0.064	0.027	0.027	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	27710	2310.0	1	25	19.75	19.35	0.250	0.274	0.117	0.128	
								25	12	19.75	19.35	0.254	0.279	0.117	0.128	
					Left Tilt	27710	2310.0	1	25	19.75	19.35	0.335	0.367	0.145	0.159	
								25	12	19.75	19.35	0.341	0.374	0.147	0.161	
					Right Touch	27710	2310.0	1	25	19.75	19.35	0.717	0.786	0.316	0.346	
								25	12	19.75	19.35	0.722	0.792	0.319	0.350	
					Right Tilt	27710	2310.0	1	25	19.75	19.35	0.757	0.830	0.309	0.339	
								25	12	19.75	19.35	0.758	**0.831**	0.310	0.340	102
								50	0	19.75	19.30	0.734	0.814	0.300	0.333	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	20.75	20.75	0.991	0.991	0.505	0.505	
								25	12	20.75	20.75	0.990	0.990	0.505	0.505	
								50	0	20.75	20.75	0.999	**0.999**	0.526	0.526	103
					Front	27710	2310.0	1	25	20.75	20.75	0.434	0.434	0.263	0.263	
								25	12	20.75	20.75	0.404	0.404	0.246	0.246	
	Hotspot	QPSK	Mode B	5	Edge 1	27710	2310.0	1	25	20.75	20.75	0.393	0.393	0.200	0.200	
								25	12	20.75	20.75	0.348	0.348	0.179	0.179	
					Edge 2	27710	2310.0	1	25	20.75	20.75	0.097	0.097	0.065	0.065	
								25	12	20.75	20.75	0.097	0.097	0.055	0.055	
					Edge 4	27710	2310.0	1	25	20.75	20.75	0.971	0.971	0.513	0.513	
								25	12	20.75	20.75	0.962	0.962	0.505	0.505	
								50	0	20.75	20.75	0.939	0.939	0.499	0.499	

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Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	QPSK	Mode A	0	Left Touch	27710	2310.0	1	25	24.70	24.50	0.531	**0.556**	0.302	0.316	104
								25	12	23.70	23.50	0.431	0.451	0.245	0.257	
					Left Tilt	27710	2310.0	1	25	24.70	24.50	0.166	0.174	0.093	0.097	
								25	12	23.70	23.50	0.133	0.139	0.075	0.079	
					Right Touch	27710	2310.0	1	25	24.70	24.50	0.243	0.254	0.141	0.148	
								25	12	23.70	23.50	0.179	0.187	0.103	0.108	
					Right Tilt	27710	2310.0	1	25	24.70	24.50	0.250	0.262	0.132	0.138	
								25	12	23.70	23.50	0.203	0.213	0.107	0.112	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	20.25	20.00	0.923	0.978	0.487	0.516	
								25	12	20.25	20.00	0.921	0.976	0.483	0.512	
								50	0	20.25	20.00	0.935	**0.990**	0.497	0.526	105
					Front	27710	2310.0	1	25	20.25	20.00	0.617	0.654	0.345	0.365	
								25	12	20.25	20.00	0.637	0.675	0.354	0.375	
	Hotspot	QPSK	Mode B	5	Edge 3	27710	2310.0	1	25	20.25	20.00	0.203	0.215	0.111	0.118	
								25	12	20.25	20.00	0.208	0.220	0.114	0.121	
					Edge 4	27710	2310.0	1	25	20.25	20.00	0.713	0.755	0.335	0.355	
								25	12	20.25	20.00	0.738	0.782	0.346	0.367	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	QPSK	Mode A	0	Left Touch	27710	2310.0	1	25	18.50	18.50	0.947	0.947	0.436	0.436	
								25	12	18.50	18.50	0.976	**0.976**	0.447	0.447	106
								50	0	18.50	18.50	0.958	0.958	0.439	0.439	
					Left Tilt	27710	2310.0	1	25	18.50	18.50	0.636	0.636	0.298	0.298	
								25	12	18.50	18.50	0.658	0.658	0.309	0.309	
					Right Touch	27710	2310.0	1	25	18.50	18.50	0.322	0.322	0.175	0.175	
								25	12	18.50	18.50	0.329	0.329	0.178	0.178	
					Right Tilt	27710	2310.0	1	25	18.50	18.50	0.310	0.310	0.164	0.164	
								25	12	18.50	18.50	0.313	0.313	0.165	0.165	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	21.00	20.75	0.820	0.869	0.383	0.406	
								25	12	21.00	20.75	0.849	**0.899**	0.395	0.418	107
								50	0	21.00	20.75	0.829	0.878	0.385	0.408	
					Front	27710	2310.0	1	25	21.00	20.75	0.598	0.633	0.302	0.320	
								25	12	21.00	20.75	0.552	0.585	0.278	0.294	
	Hotspot	QPSK	Mode B	5	Edge 1	27710	2310.0	1	25	21.00	20.75	0.246	0.261	0.127	0.135	
								25	12	21.00	20.75	0.225	0.238	0.117	0.124	
					Edge 2	27710	2310.0	1	25	21.00	20.75	0.553	0.586	0.279	0.296	
								25	12	21.00	20.75	0.514	0.544	0.258	0.273	

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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	25.20	0.184	0.206	0.103	0.116	
								50	24	24.70	24.20	0.149	0.167	0.083	0.093	
					Left Tilt	40620	2593.0	1	49	25.70	25.20	0.096	0.108	0.052	0.058	
								50	24	24.70	24.20	0.075	0.084	0.041	0.046	
					Right Touch	40620	2593.0	1	49	25.70	25.20	0.256	**0.287**	0.141	0.158	108
								50	24	24.70	24.20	0.209	0.235	0.114	0.128	
					Right Tilt	40620	2593.0	1	49	25.70	25.20	0.077	0.086	0.040	0.045	
								50	24	24.70	24.20	0.061	0.068	0.032	0.036	
	Body & Hotspot	QPSK	Mode B	5	Rear	39750	2506.0	1	49	22.25	22.10	0.754	0.780	0.323	0.334	
								50	24	22.25	22.10	0.785	0.813	0.335	0.347	
						40185	2549.5	1	49	22.25	22.10	0.856	0.886	0.370	0.383	
								50	24	22.25	22.10	0.869	**0.900**	0.376	0.389	109
						40620	2593.0	1	49	22.25	22.10	0.778	0.805	0.340	0.352	
								50	24	22.25	22.10	0.807	0.835	0.351	0.363	
								100	0	22.25	22.10	0.792	0.820	0.345	0.357	
						41055	2636.5	1	49	22.25	22.10	0.769	0.796	0.333	0.345	
								50	24	22.25	22.10	0.779	0.806	0.338	0.350	
						41490	2680.0	1	49	22.25	22.10	0.732	0.758	0.325	0.336	
								50	24	22.25	22.10	0.757	0.784	0.338	0.350	
					Front	40620	2593.0	1	49	22.25	22.10	0.410	0.424	0.175	0.181	
								50	24	22.25	22.10	0.418	0.433	0.177	0.183	
	Hotspot	QPSK	Mode B	5	Edge 2	39750	2506.0	1	49	22.25	22.10	0.937	0.970	0.397	0.411	
								50	24	22.25	22.10	0.849	0.879	0.350	0.362	
						40185	2549.5	1	49	22.25	22.10	0.940	**0.973**	0.403	0.417	110
								50	24	22.25	22.10	0.865	0.895	0.365	0.378	
						40620	2593.0	1	49	22.25	22.10	0.821	0.850	0.352	0.364	
								50	24	22.25	22.10	0.842	0.872	0.362	0.375	
								100	0	22.25	22.10	0.824	0.853	0.356	0.369	
						41055	2636.5	1	49	22.25	22.10	0.790	0.818	0.339	0.351	
								50	24	22.25	22.10	0.748	0.774	0.310	0.321	
						41490	2680.0	1	49	22.25	22.10	0.755	0.782	0.321	0.332	
								50	24	22.25	22.10	0.790	0.818	0.322	0.333	
					Edge 3	40620	2593.0	1	49	22.25	22.10	0.362	0.375	0.140	0.145	
								50	24	22.25	22.10	0.369	0.382	0.143	0.148	
					Edge 4	40620	2593.0	1	49	22.25	22.10	0.038	0.039	0.018	0.019	
								50	24	22.25	22.10	0.039	0.040	0.019	0.020	

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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	18.50	18.50	0.744	0.744	0.288	0.288	
								50	24	18.50	18.50	0.762	0.762	0.294	0.294	
					Left Tilt	39750	2506.0	1	49	18.50	18.50	0.856	0.856	0.325	0.325	
								50	24	18.50	18.50	0.878	0.878	0.331	0.331	
						40185	2549.5	1	49	18.50	18.50	0.876	0.876	0.326	0.326	
								50	24	18.50	18.50	0.902	0.902	0.335	0.335	
						40620	2593.0	1	49	18.50	18.50	0.939	0.939	0.348	0.348	
								50	24	18.50	18.50	0.981	0.981	0.362	0.362	
								100	0	18.50	18.50	0.973	0.973	0.359	0.359	
						41055	2636.5	1	49	18.50	18.50	0.990	0.990	0.364	0.364	
								50	24	18.50	18.50	0.945	0.945	0.350	0.350	
						41490	2680.0	1	49	18.50	18.50	0.974	0.974	0.356	0.356	
								50	24	18.50	18.50	0.993	**0.993**	0.361	0.361	111
					Right Touch	40620	2593.0	1	49	18.50	18.50	0.625	0.625	0.245	0.245	
								50	24	18.50	18.50	0.657	0.657	0.248	0.248	
					Right Tilt	40620	2593.0	1	49	18.50	18.50	0.645	0.645	0.251	0.251	
								50	24	18.50	18.50	0.656	0.656	0.254	0.254	
	Body & Hotspot	QPSK	Mode B	5	Rear	39750	2506.0	50	24	19.75	19.75	0.717	0.717	0.296	0.296	
						40185	2549.5	50	24	19.75	19.75	0.901	0.901	0.360	0.360	
						40620	2593.0	1	49	19.75	19.75	0.788	0.788	0.326	0.326	
								50	24	19.75	19.75	0.817	0.817	0.337	0.337	
						41055	2636.5	50	24	19.75	19.75	0.953	**0.953**	0.380	0.380	112
						41490	2680.0	50	24	19.75	19.75	0.864	0.864	0.346	0.346	
					Front	40620	2593.0	1	49	19.75	19.75	0.661	0.661	0.262	0.262	
								50	24	19.75	19.75	0.736	0.736	0.292	0.292	
	Hotspot	QPSK	Mode B	5	Edge 1	39750	2506.0	1	49	19.75	19.75	0.925	0.925	0.346	0.346	
								50	24	19.75	19.75	0.939	0.939	0.352	0.352	
						40185	2549.5	1	49	19.75	19.75	0.893	0.893	0.332	0.332	
								50	24	19.75	19.75	0.955	0.955	0.353	0.353	
						40620	2593.0	1	49	19.75	19.75	0.972	0.972	0.357	0.357	
								50	24	19.75	19.75	0.987	**0.987**	0.363	0.363	113
								100	0	19.75	19.75	0.973	0.973	0.358	0.358	
						41055	2636.5	1	49	19.75	19.75	0.938	0.938	0.342	0.342	
								50	24	19.75	19.75	0.963	0.963	0.351	0.351	
						41490	2680.0	1	49	19.75	19.75	0.856	0.856	0.314	0.314	
								50	24	19.75	19.75	0.923	0.923	0.346	0.346	
					Edge 2	40620	2593.0	1	49	19.75	19.75	0.096	0.096	0.043	0.043	
								50	24	19.75	19.75	0.102	0.102	0.048	0.048	
					Edge 4	39750	2506.0	1	49	19.75	19.75	0.729	0.729	0.335	0.335	
								50	24	19.75	19.75	0.753	0.753	0.347	0.347	
						40185	2549.5	1	49	19.75	19.75	0.817	0.817	0.372	0.372	
								50	24	19.75	19.75	0.840	0.840	0.380	0.380	
						40620	2593.0	1	49	19.75	19.75	0.820	0.820	0.352	0.352	
								50	24	19.75	19.75	0.849	0.849	0.364	0.364	
								100	0	19.75	19.75	0.872	0.872	0.380	0.380	
						41055	2636.5	1	49	19.75	19.75	0.626	0.626	0.263	0.263	
								50	24	19.75	19.75	0.860	0.860	0.363	0.363	
						41490	2680.0	1	49	19.75	19.75	0.607	0.607	0.250	0.250	
								50	24	19.75	19.75	0.625	0.625	0.256	0.256	

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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	24.30	0.561	**0.615**	0.307	0.337	114
								50	24	23.70	23.40	0.459	0.492	0.250	0.268	
					Left Tilt	40620	2593.0	1	49	24.70	24.30	0.159	0.174	0.086	0.094	
								50	24	23.70	23.40	0.123	0.132	0.066	0.071	
					Right Touch	40620	2593.0	1	49	24.70	24.30	0.316	0.346	0.177	0.194	
								50	24	23.70	23.40	0.256	0.274	0.142	0.152	
					Right Tilt	40620	2593.0	1	49	24.70	24.30	0.250	0.274	0.130	0.143	
								50	24	23.70	23.40	0.203	0.218	0.105	0.113	
	Body & Hotspot	QPSK	Mode B	5	Rear	40620	2593.0	1	49	20.00	19.90	0.449	0.459	0.226	0.231	
								50	24	20.00	19.90	0.462	**0.473**	0.233	0.238	115
					Front	40620	2593.0	1	49	20.00	19.90	0.335	0.343	0.170	0.174	
								50	24	20.00	19.90	0.345	0.353	0.182	0.186	
	Hotspot	QPSK	Mode B	5	Edge 3	40620	2593.0	1	49	20.00	19.90	0.323	0.331	0.157	0.161	
								50	24	20.00	19.90	0.264	0.270	0.127	0.130	
					Edge 4	39750	2506.0	1	49	20.00	19.90	0.921	0.942	0.401	0.410	
								50	24	20.00	19.90	0.948	0.970	0.412	0.422	
						40185	2549.5	1	49	20.00	19.90	0.939	0.961	0.427	0.437	
								50	24	20.00	19.90	0.958	**0.980**	0.435	0.445	116
						40620	2593.0	1	49	20.00	19.90	0.788	0.806	0.352	0.360	
								50	24	20.00	19.90	0.812	0.831	0.362	0.370	
								100	0	20.00	19.90	0.800	0.819	0.356	0.364	
						41055	2636.5	1	49	20.00	19.90	0.778	0.796	0.344	0.352	
								50	24	20.00	19.90	0.802	0.821	0.355	0.363	
						41490	2680.0	1	49	20.00	19.90	0.656	0.671	0.287	0.294	
								50	24	20.00	19.90	0.652	0.667	0.284	0.291	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	QPSK	Mode A	0	Left Touch	39750	2506.0	1	49	21.75	21.75	0.819	0.819	0.344	0.344	
								50	24	21.20	21.20	0.674	0.674	0.281	0.281	
						40185	2549.5	1	49	21.75	21.75	0.814	0.814	0.336	0.336	
								50	24	21.20	21.20	0.655	0.655	0.269	0.269	
						40620	2593.0	1	49	21.75	21.75	0.992	**0.992**	0.395	0.395	117
								50	24	21.20	21.20	0.797	0.797	0.316	0.316	
								100	0	21.20	21.20	0.781	0.781	0.310	0.310	
						41055	2636.5	1	49	21.75	21.75	0.976	0.976	0.387	0.387	
								50	24	21.20	21.20	0.833	0.833	0.330	0.330	
						41490	2680.0	1	49	21.75	21.75	0.922	0.922	0.364	0.364	
								50	24	21.20	21.20	0.786	0.786	0.308	0.308	
					Left Tilt	40620	2593.0	1	49	21.75	21.75	0.560	0.560	0.236	0.236	
								50	24	21.20	21.20	0.458	0.458	0.192	0.192	
					Right Touch	40620	2593.0	1	49	21.75	21.75	0.216	0.216	0.098	0.098	
								50	24	21.20	21.20	0.173	0.173	0.077	0.077	
					Right Tilt	40620	2593.0	1	49	21.75	21.75	0.202	0.202	0.094	0.094	
								50	24	21.20	21.20	0.162	0.162	0.074	0.074	
	Body & Hotspot	QPSK	Mode B	5	Rear	40620	2593.0	1	49	22.20	22.10	0.676	**0.692**	0.273	0.279	118
								50	24	21.20	21.20	0.542	0.542	0.219	0.219	
					Front	40620	2593.0	1	49	22.20	22.10	0.406	0.415	0.179	0.183	
								50	24	21.20	21.20	0.315	0.315	0.139	0.139	
	Hotspot	QPSK	Mode B	5	Edge 1	40620	2593.0	1	49	22.20	22.10	0.111	0.114	0.046	0.047	
								50	24	21.20	21.20	0.080	0.080	0.033	0.033	
					Edge 2	40620	2593.0	1	49	22.20	22.10	0.593	0.607	0.260	0.266	
								50	24	21.20	21.20	0.490	0.490	0.215	0.215	

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UL CA 41C

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offest	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	40521	2583.1	1	99	40719	2602.9	1	0	25.70	25.44	0.188	0.200	0.096	0.101	
ANT 1	Body	QPSK	Mode B	5	Rear	39750	2506.0	1	99	39948	2525.8	1	0	22.00	21.10	0.856	1.053	0.366	0.450	
ANT 1	Body	QPSK	Mode B	5	Edge 2	39750	2506.0	1	99	39948	2525.8	1	0	22.00	21.76	0.898	0.949	0.375	0.396	
ANT 2	Head	QPSK	Mode A	0	Left Tilt	41292	2660.2	1	99	41490	2680.0	1	0	18.50	18.38	0.589	0.606	0.210	0.216	
ANT 2	Body	QPSK	Mode B	5	Rear	41292	2660.2	1	99	41490	2680.0	1	0	19.75	19.55	0.920	0.963	0.333	0.349	
ANT 2	Body	QPSK	Mode B	5	Edge 1	40521	2583.1	1	99	40719	2602.9	1	0	19.75	19.67	0.891	0.908	0.321	0.327	
ANT 3	Head	QPSK	Mode A	0	Left Touch	40521	2583.1	1	99	40719	2602.9	1	0	24.70	24.21	0.244	0.273	0.131	0.147	
ANT 3	Body	QPSK	Mode B	5	Rear	40521	2583.1	1	99	40719	2602.9	1	0	20.00	19.87	0.381	0.393	0.183	0.189	
ANT 3	Body	QPSK	Mode B	5	Edge 4	39750	2506.0	1	99	39948	2525.8	1	0	20.00	19.87	0.887	0.914	0.404	0.416	
ANT 4	Head	QPSK	Mode A	0	Left Touch	40521	2583.1	1	99	40719	2602.9	1	0	21.75	21.52	0.762	0.803	0.297	0.313	
ANT 4	Body	QPSK	Mode B	5	Rear	40521	2583.1	1	99	40719	2602.9	1	0	22.20	22.10	0.471	0.482	0.192	0.196	

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.

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

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

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

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

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

Reported SAR vs. Output Power linearly scaled

Antenna	RF Exposure Conditions	Power Class 2			Power Class 3				PC2 linearly scaled Reported SAR (W/kg)	Linearly scaled (<10%)
		Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Reported 1-g SAR (W/kg)		
ANT1	Head	43.3%	27.70	254.97	63.3%	25.70	235.18	0.199	0.216	8.41%
ANT3	Head	43.3%	26.70	202.53	63.3%	24.70	186.81	0.594	0.644	8.41%
ANT4	Body	43.3%	24.20	113.89	63.3%	22.20	105.05	0.732	0.794	8.41%

Conclusion:

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

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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	25.41	0.308	0.329	0.133	0.142	
								50	24	24.70	24.60	0.248	0.254	0.105	0.107	
					Left Tilt	56207	3646.7	1	49	25.70	25.41	0.113	0.121	0.052	0.056	
								50	24	24.70	24.60	0.092	0.094	0.041	0.042	
					Right Touch	56207	3646.7	1	49	25.70	25.41	0.373	**0.399**	0.135	0.144	119
								50	24	24.70	24.60	0.289	0.296	0.103	0.105	
					Right Tilt	56207	3646.7	1	49	25.70	25.41	0.034	0.036	0.014	0.015	
								50	24	24.70	24.60	0.031	0.032	0.014	0.014	
	Body & Hotspot	QPSK	Mode B	5	Rear	56207	3646.7	1	49	21.00	20.82	0.664	0.692	0.241	0.251	
								50	24	21.00	20.65	0.678	**0.735**	0.251	0.272	120
					Front	56207	3646.7	1	49	21.00	20.82	0.296	0.309	0.096	0.100	
								50	24	21.00	20.65	0.303	0.328	0.098	0.106	
	Hotspot	QPSK	Mode B	5	Edge 2	55340	3560.0	1	49	21.00	20.84	0.741	0.769	0.273	0.283	
								50	24	21.00	20.66	0.753	0.814	0.280	0.303	
						55773	3603.3	1	49	21.00	20.78	0.809	0.851	0.283	0.298	
								50	24	21.00	20.72	0.858	0.915	0.303	0.323	
						56207	3646.7	1	49	21.00	20.82	0.868	0.905	0.297	0.310	
								50	24	21.00	20.65	0.897	0.972	0.307	0.333	
								100	0	21.00	20.54	0.881	0.979	0.302	0.336	
						56640	3690.0	1	49	21.00	20.73	0.931	**0.991**	0.316	0.336	121
								50	24	21.00	20.75	0.926	0.981	0.314	0.333	
					Edge 3	56207	3646.7	1	49	21.00	20.82	0.216	0.225	0.067	0.070	
								50	24	21.00	20.65	0.213	0.231	0.062	0.067	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT8	Head	QPSK	Mode A	0	Left Touch	56207	3646.7	1	49	22.00	22.00	0.338	0.338	0.112	0.112	
								50	24	22.00	22.00	0.323	0.323	0.115	0.115	
					Left Tilt	56207	3646.7	1	49	22.00	22.00	0.279	0.279	0.085	0.085	
								50	24	22.00	22.00	0.257	0.257	0.077	0.077	
					Right Touch	55340	3560.0	1	49	22.00	22.00	0.975	**0.975**	0.386	0.386	122
								50	24	22.00	22.00	0.938	0.938	0.333	0.333	
						55773	3603.3	1	49	22.00	22.00	0.905	0.905	0.349	0.349	
								50	24	22.00	22.00	0.875	0.875	0.338	0.338	
						56207	3646.7	1	49	22.00	22.00	0.879	0.879	0.350	0.350	
								50	24	22.00	22.00	0.844	0.844	0.330	0.330	
								100	0	22.00	22.00	0.814	0.814	0.323	0.323	
						56640	3690.0	1	49	22.00	22.00	0.755	0.755	0.303	0.303	
								50	24	22.00	22.00	0.725	0.725	0.292	0.292	
					Right Tilt	56207	3646.7	1	49	22.00	22.00	0.630	0.630	0.253	0.253	
								50	24	22.00	22.00	0.508	0.508	0.200	0.200	
	Body & Hotspot	QPSK	Mode B	5	Rear	55340	3560.0	1	49	20.00	20.00	0.930	0.930	0.288	0.288	
								50	24	20.00	20.00	0.959	0.959	0.293	0.293	
						55773	3603.3	1	49	20.00	20.00	0.821	0.821	0.258	0.258	
								50	24	20.00	20.00	0.937	0.937	0.279	0.279	
						56207	3646.7	1	49	20.00	20.00	0.910	0.910	0.273	0.273	
								50	24	20.00	20.00	0.866	0.866	0.273	0.273	
								100	0	20.00	20.00	0.906	0.906	0.275	0.275	
						56640	3690.0	1	49	20.00	20.00	0.891	0.891	0.265	0.265	
								50	24	20.00	20.00	0.976	**0.976**	0.278	0.278	123
					Front	56207	3646.7	1	49	20.00	20.00	0.227	0.227	0.101	0.101	
								50	24	20.00	20.00	0.231	0.231	0.103	0.103	
	Hotspot	QPSK	Mode B	5	Edge 1	56207	3646.7	1	49	20.00	20.00	0.408	0.408	0.133	0.133	
								50	24	20.00	20.00	0.412	0.412	0.135	0.135	
					Edge 4	56207	3646.7	1	49	20.00	20.00	0.187	0.187	0.087	0.087	
								50	24	20.00	20.00	0.185	0.185	0.087	0.087	

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Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT9	Head	QPSK	Mode A	0	Left Touch	56207	3646.7	1	49	25.20	24.90	0.372	**0.399**	0.144	0.154	124
								50	24	24.20	24.00	0.262	0.274	0.100	0.105	
					Left Tilt	56207	3646.7	1	49	25.20	24.90	0.031	0.033	0.010	0.011	
								50	24	24.20	24.00	0.022	0.023	0.007	0.007	
					Right Touch	56207	3646.7	1	49	25.20	24.90	0.257	0.275	0.115	0.123	
								50	24	24.20	24.00	0.200	0.209	0.089	0.093	
					Right Tilt	56207	3646.7	1	49	25.20	24.90	0.053	0.057	0.020	0.021	
								50	24	24.20	24.00	0.046	0.048	0.014	0.015	
	Body & Hotspot	QPSK	Mode B	5	Rear	56207	3646.7	1	49	22.50	22.25	0.579	0.613	0.249	0.264	
								50	24	22.50	22.25	0.595	0.630	0.250	0.265	
					Front	55340	3560.0	1	49	22.50	22.25	0.888	0.941	0.367	0.389	
								50	24	22.50	22.25	0.916	0.970	0.382	0.405	
						55773	3603.3	1	49	22.50	22.25	0.879	0.931	0.364	0.386	
								50	24	22.50	22.25	0.900	0.953	0.373	0.395	
						56207	3646.7	1	49	22.50	22.25	0.902	0.955	0.374	0.396	
								50	24	22.50	22.25	0.930	**0.985**	0.387	0.410	125
								100	0	22.50	22.25	0.905	0.959	0.374	0.396	
						56640	3690.0	1	49	22.50	22.25	0.825	0.874	0.339	0.359	
								50	24	22.50	22.25	0.877	0.929	0.356	0.377	
	Hotspot	QPSK	Mode B	5	Edge 3	56207	3646.7	1	49	22.50	22.25	0.660	0.699	0.265	0.281	
								50	24	22.50	22.25	0.688	0.729	0.242	0.256	
					Edge 4	56207	3646.7	1	49	22.50	22.25	0.624	0.661	0.209	0.221	
								50	24	22.50	22.25	0.641	0.679	0.214	0.227	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	QPSK	Mode A	0	Left Touch	55340	3560.0	1	49	19.50	19.50	0.754	0.754	0.251	0.251	
								50	24	19.50	19.50	0.778	0.778	0.266	0.266	
						55773	3603.3	1	49	19.50	19.50	0.790	0.790	0.251	0.251	
								50	24	19.50	19.50	0.930	0.930	0.301	0.301	
						56207	3646.7	1	49	19.50	19.50	0.899	0.899	0.322	0.322	
								50	24	19.50	19.50	0.892	0.892	0.320	0.320	
								100	0	19.50	19.50	0.872	0.872	0.317	0.317	
						56640	3690.0	1	49	19.50	19.50	0.957	0.957	0.332	0.332	
								50	24	19.50	19.50	0.985	**0.985**	0.342	0.342	126
					Left Tilt	56207	3646.7	1	49	19.50	19.50	0.237	0.237	0.074	0.074	
								50	24	19.50	19.50	0.215	0.215	0.067	0.067	
					Right Touch	56207	3646.7	1	49	19.50	19.50	0.101	0.101	0.052	0.052	
								50	24	19.50	19.50	0.026	0.026	0.024	0.024	
					Right Tilt	56207	3646.7	1	49	19.50	19.50	0.049	0.049	0.013	0.013	
								50	24	19.50	19.50	0.071	0.071	0.040	0.040	
	Body & Hotspot	QPSK	Mode B	5	Rear	55340	3560.0	1	49	21.00	20.90	0.242	0.248	0.092	0.094	
								50	24	21.00	20.90	0.245	0.251	0.090	0.092	
					Front	56207	3646.7	1	49	21.00	20.90	0.383	**0.392**	0.148	0.151	127
								50	24	21.00	20.90	0.339	0.347	0.115	0.118	.
	Hotspot	QPSK	Mode B	5	Edge 1	56207	3646.7	1	49	21.00	20.90	0.085	0.087	0.035	0.036	
								50	24	21.00	20.90	0.082	0.084	0.034	0.035	
					Edge 2	56207	3646.7	1	49	21.00	20.90	0.700	0.716	0.244	0.250	
								50	24	21.00	20.90	0.752	**0.770**	0.260	0.266	129

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UL CA 48C

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offest	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	55891	3615.1	1	99	56089	3634.9	1	0	25.70	25.46	0.368	0.389	0.143	0.151	
ANT 1	Body	QPSK	Mode B	5	Rear	55891	3615.1	1	99	56089	3634.9	1	0	21.00	20.54	0.611	0.679	0.232	0.258	
ANT 1	Body	QPSK	Mode B	5	Edge 2	56442	3670.2	1	99	56640	3690.0	1	0	21.00	20.45	0.819	0.930	0.293	0.333	
ANT 2	Head	QPSK	Mode A	0	Left Touch	56442	3670.2	1	99	56640	3690.0	1	0	19.50	19.33	0.891	0.927	0.293	0.305	
ANT 2	Body	QPSK	Mode B	5	Front	55891	3615.1	1	99	56089	3634.9	1	0	21.00	20.86	0.292	0.302	0.104	0.107	
ANT 2	Body	QPSK	Mode B	5	Edge 2	56442	3670.2	1	99	56640	3690.0	1	0	21.00	20.86	0.498	0.514	0.179	0.185	
ANT 3	Head	QPSK	Mode A	0	Left Touch	55891	3615.1	1	99	56089	3634.9	1	0	25.20	25.10	0.114	0.117	0.037	0.038	
ANT 3	Body	QPSK	Mode B	5	Front	55891	3615.1	1	99	56089	3634.9	1	0	22.50	22.42	0.660	0.672	0.286	0.291	
ANT 4	Head	QPSK	Mode A	0	Right Touch	55340	3560.0	1	99	55538	3579.8	1	0	22.00	21.95	0.872	0.882	0.324	0.328	
ANT 4	Body	QPSK	Mode B	5	Rear	56442	3670.2	1	99	56640	3690.0	1	0	20.00	19.63	0.936	1.019	0.263	0.286	

Note(s):

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

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10.20. LTE Band 66 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	132322	1745.0	1	49	25.70	25.20	0.185	0.208	0.125	0.140	
								50	24	24.70	24.30	0.150	0.164	0.101	0.111	
					Left Tilt	132322	1745.0	1	49	25.70	25.20	0.169	0.190	0.109	0.122	
								50	24	24.70	24.30	0.132	0.145	0.085	0.094	
					Right Touch	132322	1745.0	1	49	25.70	25.20	0.427	0.479	0.278	0.312	130
								50	24	24.70	24.30	0.352	0.386	0.229	0.251	
					Right Tilt	132322	1745.0	1	49	25.70	25.20	0.144	0.162	0.091	0.102	
								50	24	24.70	24.30	0.116	0.127	0.073	0.080	
	Body & Hotspot	QPSK	Mode B	5	Rear	132322	1745.0	1	49	17.00	16.75	0.552	0.585	0.280	0.297	
								50	24	17.00	16.75	0.563	0.596	0.285	0.302	131
					Front	132322	1745.0	1	49	17.00	16.75	0.431	0.457	0.206	0.218	
								50	24	17.00	16.75	0.443	0.469	0.212	0.225	
	Hotspot	QPSK	Mode B	5	Edge 2	132322	1745.0	1	49	17.00	16.75	0.207	0.219	0.109	0.115	
								50	24	17.00	16.75	0.213	0.226	0.113	0.120	
					Edge 3	132072	1720.0	1	49	17.00	16.75	0.829	0.878	0.380	0.403	
								50	24	17.00	16.75	0.853	0.904	0.390	0.413	
						132322	1745.0	1	49	17.00	16.75	0.864	0.915	0.396	0.419	
								50	24	17.00	16.75	0.880	0.932	0.403	0.427	132
								100	0	17.00	16.75	0.862	0.913	0.394	0.417	
						132572	1770.0	1	49	17.00	16.75	0.851	0.901	0.390	0.413	
								50	24	17.00	16.75	0.856	0.907	0.392	0.415	
					Edge 4	132322	1745.0	1	49	17.00	16.75	0.014	0.015	0.007	0.007	
								50	24	17.00	16.75	0.016	0.017	0.008	0.008	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	132322	1745.0	1	49	18.50	18.25	0.454	0.481	0.228	0.242	
								50	24	18.50	18.25	0.486	0.515	0.240	0.254	
					Left Tilt	132322	1745.0	1	49	18.50	18.25	0.482	0.511	0.235	0.249	
								50	24	18.50	18.25	0.493	0.522	0.241	0.255	
					Right Touch	132072	1720.0	50	24	18.50	18.50	0.924	0.924	0.457	0.457	
						132322	1745.0	1	49	18.50	18.25	0.742	0.786	0.373	0.395	
								50	24	18.50	18.25	0.768	0.814	0.385	0.408	
						132572	1770.0	50	24	18.50	18.15	0.622	0.674	0.312	0.338	
					Right Tilt	132072	1720.0	1	49	18.50	18.50	0.960	0.960	0.447	0.447	
								50	24	18.50	18.50	**0.999**	**0.999**	0.464	0.464	133
						132322	1745.0	1	49	18.50	18.25	0.761	0.806	0.357	0.378	
								50	24	18.50	18.25	0.789	0.836	0.368	0.390	
								100	0	18.50	18.25	0.779	0.825	0.359	0.380	
						132572	1770.0	1	49	18.50	18.15	0.623	0.675	0.288	0.312	
								50	24	18.50	18.15	0.630	0.683	0.291	0.315	
	Body & Hotspot	QPSK	Mode B	5	Rear	132322	1745.0	1	49	17.25	16.60	0.505	0.587	0.240	0.279	
								50	24	17.25	16.60	0.527	0.612	0.250	0.290	134
					Front	132322	1745.0	1	49	17.25	16.60	0.485	0.563	0.234	0.272	
								50	24	17.25	16.60	0.493	0.573	0.241	0.280	
	Hotspot	QPSK	Mode B	5	Edge 1	132072	1720.0	1	49	17.25	17.00	0.902	0.955	0.419	0.444	
								50	24	17.25	17.00	0.929	0.984	0.432	0.458	135
						132322	1745.0	1	49	17.25	16.60	0.694	0.806	0.324	0.376	
								50	24	17.25	16.60	0.714	0.829	0.331	0.384	
								100	0	17.25	16.60	0.754	0.876	0.350	0.407	
						132572	1770.0	1	49	17.25	16.60	0.571	0.663	0.266	0.309	
								50	24	17.25	16.60	0.576	0.669	0.268	0.311	
					Edge 2	132322	1745.0	1	49	17.25	16.60	0.008	0.009	0.004	0.005	
								50	24	17.25	16.60	0.008	0.010	0.004	0.005	
					Edge 4	132322	1745.0	1	49	17.25	16.60	0.232	0.269	0.122	0.142	
								50	24	17.25	16.60	0.235	0.273	0.125	0.145	

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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	24.30	0.313	0.343	0.207	0.227	136
								50	24	23.70	23.40	0.252	0.270	0.167	0.179	
					Left Tilt	132322	1745.0	1	49	24.70	24.30	0.192	0.211	0.123	0.135	
								50	24	23.70	23.40	0.156	0.167	0.100	0.107	
					Right Touch	132322	1745.0	1	49	24.70	24.30	0.305	0.334	0.184	0.202	
								50	24	23.70	23.40	0.246	0.264	0.150	0.161	
					Right Tilt	132322	1745.0	1	49	24.70	24.30	0.150	0.164	0.092	0.101	
								50	24	23.70	23.40	0.119	0.128	0.074	0.079	
	Body & Hotspot	QPSK	Mode B	5	Rear	132072	1720.0	1	49	21.25	21.00	0.777	0.823	0.428	0.453	
								50	24	21.25	21.00	0.812	0.860	0.446	0.472	
						132322	1745.0	1	49	21.25	21.00	0.846	0.896	0.468	0.496	
								50	24	21.25	21.00	0.875	0.927	0.484	0.513	137
								100	0	21.25	21.00	0.809	0.857	0.445	0.471	
						132572	1770.0	1	49	21.25	21.00	0.840	0.890	0.466	0.494	
								50	24	21.25	21.00	0.861	0.912	0.476	0.504	
					Front	132322	1745.0	1	49	21.25	21.00	0.363	0.385	0.214	0.227	
								50	24	21.25	21.00	0.377	0.399	0.222	0.235	
	Hotspot	QPSK	Mode B	5	Edge 3	132322	1745.0	1	49	21.25	21.00	0.284	0.301	0.130	0.138	
								50	24	21.25	21.00	0.291	0.308	0.133	0.141	
					Edge 4	132322	1745.0	1	49	21.25	21.00	0.617	0.654	0.324	0.343	
								50	24	21.25	21.00	0.633	0.671	0.322	0.341	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	QPSK	Mode A	0	Left Touch	132072	1720.0	1	49	20.00	19.75	0.789	0.836	0.396	0.419	
								50	24	20.00	19.75	0.831	0.880	0.414	0.439	
						132322	1745.0	1	49	20.00	19.75	0.863	0.914	0.439	0.465	
								50	24	20.00	19.75	0.883	0.935	0.450	0.477	138
								100	0	20.00	19.75	0.871	0.923	0.442	0.468	
						132572	1770.0	1	49	20.00	19.75	0.805	0.853	0.414	0.439	
								50	24	20.00	19.75	0.832	0.881	0.427	0.452	
					Left Tilt	132322	1745.0	1	49	20.00	19.75	0.449	0.476	0.226	0.239	
								50	24	20.00	19.75	0.456	0.483	0.231	0.245	
					Right Touch	132322	1745.0	1	49	20.00	19.75	0.230	0.244	0.131	0.139	
								50	24	20.00	19.75	0.237	0.251	0.135	0.143	
					Right Tilt	132322	1745.0	1	49	20.00	19.75	0.185	0.196	0.105	0.111	
								50	24	20.00	19.75	0.190	0.201	0.108	0.114	
	Body & Hotspot	QPSK	Mode B	5	Rear	132072	1720.0	1	49	21.00	21.00	0.865	0.865	0.442	0.442	139
								50	24	21.00	20.90	0.776	0.794	0.394	0.403	
						132322	1745.0	1	49	21.00	21.00	0.800	0.800	0.407	0.407	
								50	24	21.00	20.80	0.773	0.809	0.390	0.408	
								100	0	21.00	20.90	0.535	0.547	0.271	0.277	
						132572	1770.0	1	49	21.00	21.00	0.834	0.834	0.422	0.422	
								50	24	21.00	20.80	0.730	0.764	0.378	0.396	
					Front	132322	1745.0	1	49	21.00	21.00	0.387	0.387	0.209	0.209	
								50	24	21.00	20.80	0.351	0.368	0.189	0.198	
	Hotspot	QPSK	Mode B	5	Edge 1	132322	1745.0	1	49	21.00	21.00	0.305	0.305	0.147	0.147	
								50	24	21.00	20.80	0.276	0.289	0.133	0.139	
					Edge 2	132072	1720.0	1	49	21.00	21.00	0.927	0.927	0.459	0.459	
								50	24	21.00	20.90	0.962	0.984	0.468	0.479	
						132322	1745.0	1	49	21.00	21.00	0.943	0.943	0.458	0.458	
								50	24	21.00	20.80	0.864	0.905	0.417	0.437	
								100	0	21.00	20.90	0.975	0.998	0.465	0.476	140
						132572	1770.0	1	49	21.00	21.00	0.933	0.933	0.445	0.445	
								50	24	21.00	20.80	0.860	0.901	0.408	0.427	

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10.21. LTE Band 71 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	133297	680.5	1	49	25.70	25.20	0.172	0.193	0.136	0.153	
								50	24	24.70	24.20	0.139	0.156	0.110	0.123	
					Left Tilt	133297	680.5	1	49	25.70	25.20	0.092	0.103	0.074	0.083	
								50	24	24.70	24.20	0.075	0.084	0.060	0.067	
					Right Touch	133297	680.5	1	49	25.70	25.20	0.200	0.224	0.157	0.176	141
								50	24	24.70	24.20	0.164	0.184	0.129	0.145	
					Right Tilt	133297	680.5	1	49	25.70	25.20	0.129	0.145	0.105	0.118	
								50	24	24.70	24.20	0.107	0.120	0.087	0.098	
	Body & Hotspot	QPSK	Mode B	5	Rear	133297	680.5	1	49	25.70	25.20	0.376	0.422	0.234	0.263	142
								50	24	24.70	24.20	0.310	0.348	0.189	0.212	
					Front	133297	680.5	1	49	25.70	25.20	0.256	0.287	0.167	0.187	
								50	24	24.70	24.20	0.204	0.229	0.133	0.149	
	Hotspot	QPSK	Mode B	5	Edge 2	133297	680.5	1	49	25.70	25.20	0.598	0.671	0.377	0.423	143
								50	24	24.70	24.20	0.486	0.545	0.306	0.343	
					Edge 3	133297	680.5	1	49	25.70	25.20	0.293	0.329	0.124	0.139	
								50	24	24.70	24.20	0.235	0.264	0.100	0.112	
					Edge 4	133297	680.5	1	49	25.70	25.20	0.224	0.251	0.144	0.162	
								50	24	24.70	24.20	0.179	0.201	0.115	0.129	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	133297	680.5	1	49	24.50	24.00	0.481	0.540	0.292	0.328	
								50	24	23.50	23.00	0.397	0.445	0.241	0.270	
					Left Tilt	133297	680.5	1	49	24.50	24.00	**0.698**	0.783	0.325	0.365	144
								50	24	23.50	23.00	0.575	0.645	0.267	0.300	
					Right Touch	133297	680.5	1	49	24.50	24.00	0.452	0.507	0.295	0.331	
								50	24	23.50	23.00	0.371	0.416	0.243	0.273	
					Right Tilt	133297	680.5	1	49	24.50	24.00	0.524	0.588	0.284	0.319	
								50	24	23.50	23.00	0.432	0.485	0.234	0.263	
	Body & Hotspot	QPSK	Mode B	5	Rear	133297	680.5	1	49	24.50	24.00	0.484	0.543	0.273	0.306	145
								50	24	23.50	23.00	0.395	0.443	0.221	0.248	
					Front	133297	680.5	1	49	24.50	24.00	0.236	0.265	0.162	0.182	
								50	24	23.50	23.00	0.192	0.215	0.132	0.148	
	Hotspot	QPSK	Mode B	5	Edge 1	133297	680.5	1	49	24.50	24.00	0.289	0.324	0.122	0.137	
								50	24	23.50	23.00	0.238	0.267	0.099	0.111	
					Edge 2	133297	680.5	1	49	24.50	24.00	0.119	0.134	0.077	0.086	
								50	24	23.50	23.00	0.098	0.110	0.063	0.071	
					Edge 4	133297	680.5	1	49	24.50	24.00	0.283	0.318	0.181	0.203	
								50	24	23.50	23.00	0.230	0.258	0.145	0.163	

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

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

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

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

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	167300	836.5	1	53	25.70	25.70	0.194	0.194	0.143	0.143	190
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	167300	836.5	1	53	25.70	25.70	0.573	0.573	0.309	0.309	191
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	167300	836.5	1	53	24.50	24.50	0.533	0.533	0.359	0.359	192
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	167300	836.5	1	53	24.50	24.50	0.389	0.389	0.240	0.240	193

Note(s):

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

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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	0.346	0.346	0.217	0.217	205
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	141500	707.5	1	40	25.70	25.70	0.420	0.420	0.245	0.245	206
					Edge 2	141500	707.5	1	40	25.70	25.70	0.485	0.485	0.308	0.308	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	Left Tilt	141500	707.5	1	40	23.90	23.90	0.453	0.453	0.234	0.234	208
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	141500	707.5	1	40	23.90	23.90	0.239	0.239	0.146	0.146	209

Note(s):

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

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

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	376500	1882.5	1	53	25.70	25.70	0.122	0.122	0.079	0.079	210
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	1	53	16.50	16.50	0.382	0.382	0.201	0.201	211
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 3	381000	1905.0	1	53	16.50	16.50	0.845	0.845	0.394	0.394	212
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Tilt	376500	1882.5	52	27	20.00	20.00	0.269	0.269	0.153	0.153	213
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	52	27	20.25	20.25	0.475	0.475	0.219	0.219	214
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	0.226	0.226	0.140	0.140	215
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	381000	1905.0	52	27	19.50	19.50	0.684	0.684	0.383	0.383	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	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	381000	1905.0	1	53	19.00	19.00	0.719	0.719	0.375	0.375	217
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	52	27	20.25	20.25	0.427	0.427	0.230	0.230	218
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	381000	1905.0	1	53	20.25	20.25	0.764	0.764	0.380	0.380	219

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

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	518600	2593.0	1	137	25.70	25.70	0.168	0.168	0.080	0.080	220
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	135	69	20.25	20.25	0.561	0.561	0.248	0.248	221
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	518600	2593.0	1	137	20.25	20.25	0.812	0.812	0.325	0.325	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	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Left Tilt	518600	2593.0	135	69	16.50	16.50	0.976	0.976	0.365	0.365	223
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	135	69	17.75	17.75	0.736	0.736	0.310	0.310	224
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	518600	2593.0	135	69	17.75	17.75	0.897	0.897	0.348	0.348	225
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	518600	2593.0	1	137	24.25	24.25	0.413	0.413	0.215	0.215	226
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	135	69	18.00	18.00	0.353	0.353	0.184	0.184	227
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 4	518600	2593.0	135	69	18.00	18.00	0.731	0.731	0.325	0.325	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	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	518600	2593.0	1	137	19.75	19.75	0.783	0.783	0.313	0.313	229
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	1	137	20.75	20.75	0.363	0.363	0.148	0.148	230

Note(s):

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

10.26. 5G NR Band n41 Power Class 2 (100MHz Bandwidth)

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

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

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

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

Reported SAR vs. Output Power linearly scaled

Antenna	RF Exposure Conditions	Power Class 2			Power Class 3				PC2 linearly scaled Reported SAR (W/kg)	Linearly scaled (<10%)
		Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Reported 1-g SAR (W/kg)		
ANT1	Head	50.0%	26.70	233.87	100.0%	25.70	371.54	0.207	0.130	-37.05%

Conclusion:

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

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10.27. 5G NR Band n66 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM	Mode A	0	Right Touch	349000	1745.0	1	53	25.70	25.70	0.272	0.272	0.170	0.170	231
	Body & Hotspot	DFT-s-OFDM	Mode B	5	Rear	349000	1745.0	50	28	17.00	17.00	0.392	0.392	0.197	0.197	232
	Hotspot	DFT-s-OFDM	Mode B	5	Edge 3	349000	1745.0	50	28	17.00	17.00	0.742	0.742	0.328	0.328	233
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM	Mode A	0	Right Tilt	352000	1760.0	50	28	18.50	18.50	0.549	0.549	0.252	0.252	234
	Body & Hotspot	DFT-s-OFDM	Mode B	5	Rear	349000	1745.0	50	28	17.25	17.25	0.490	0.490	0.224	0.224	235
	Hotspot	DFT-s-OFDM	Mode B	5	Edge 1	346000	1730.0	50	28	17.25	17.25	0.596	0.596	0.281	0.281	236
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	0.210	0.210	0.134	0.134	237
	Body & Hotspot	DFT-s-OFDM	Mode B	5	Rear	349000	1745.0	50	28	21.25	21.25	0.651	0.651	0.363	0.363	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	
ANT4	Head	DFT-s-OFDM	Mode A	0	Left Touch	349000	1745.0	50	28	20.00	20.00	0.840	0.840	0.430	0.430	239
	Body & Hotspot	DFT-s-OFDM	Mode B	5	Rear	346000	1730.0	1	53	21.00	21.00	0.681	0.681	0.354	0.354	240
	Hotspot	DFT-s-OFDM	Mode B	5	Edge 2	349000	1745.0	100	0	21.00	21.00	0.670	0.670	0.310	0.310	241

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10.28. 5G NR Band n71 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	136100	680.5	1	53	25.70	25.70	0.116	0.116	0.091	0.091	242
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	136100	680.5	1	53	25.70	25.70	0.301	0.301	0.191	0.191	243
					Edge 2	136100	680.5	1	53	25.70	25.70	0.404	0.404	0.256	0.256	244
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Left Tilt	136100	680.5	1	53	24.50	24.50	0.466	0.466	0.226	0.226	245
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	136100	680.5	1	53	24.50	24.50	0.341	0.341	0.194	0.194	246

10.29. 5G NR Band n77 (100MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT7	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	650000	3750.0	1	137	25.70	25.20	0.217	0.243	0.101	0.113	
								135	69	25.70	25.20	0.263	0.295	0.122	0.137	
					Left Tilt	650000	3750.0	1	137	25.70	25.20	0.296	0.332	0.113	0.127	
								135	69	25.70	25.20	0.307	0.344	0.116	0.130	
					Right Touch	650000	3750.0	1	137	25.70	25.20	0.461	0.517	0.119	0.134	247
								135	69	25.70	25.20	0.545	0.612	0.231	0.259	
					Right Tilt	650000	3750.0	1	137	25.70	25.20	0.221	0.248	0.089	0.100	
								135	69	25.70	25.20	0.226	0.254	0.092	0.104	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	650000	3750.0	1	137	18.25	18.25	0.998	0.998	0.359	0.359	
								135	69	18.25	18.25	0.950	0.950	0.345	0.345	248
								270	0	18.25	18.25	0.955	0.955	0.346	0.346	
					Front	650000	3750.0	1	137	18.25	18.25	0.437	0.437	0.170	0.170	
								135	69	18.25	18.25	0.450	0.450	0.174	0.174	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	650000	3750.0	1	137	18.25	18.25	0.945	0.945	0.345	0.345	
								135	69	18.25	18.25	0.966	0.966	0.353	0.353	249
								270	0	18.25	18.25	0.957	0.957	0.349	0.349	
					Edge 3	650000	3750.0	1	137	18.25	18.25	0.361	0.361	0.117	0.117	
								135	69	18.25	18.25	0.356	0.356	0.111	0.111	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT8	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	650000	3750.0	1	137	20.00	20.00	0.299	0.299	0.120	0.120	
								135	69	20.00	20.00	0.299	0.299	0.120	0.120	
					Left Tilt	650000	3750.0	1	137	20.00	20.00	0.335	0.335	0.135	0.135	
								135	69	20.00	20.00	0.335	0.335	0.133	0.133	
					Right Touch	650000	3750.0	1	137	20.00	20.00	0.977	0.977	0.365	0.365	250
								135	69	20.00	20.00	0.960	0.960	0.365	0.365	
								270	0	20.00	20.00	0.902	0.902	0.342	0.342	
					Right Tilt	650000	3750.0	1	137	20.00	20.00	0.863	0.863	0.261	0.261	
								135	69	20.00	20.00	0.856	0.856	0.314	0.314	
								270	0	20.00	20.00	0.791	0.791	0.280	0.280	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	650000	3750.0	1	137	17.50	17.00	0.789	0.885	0.237	0.266	
								135	69	17.50	17.00	0.809	0.908	0.241	0.270	251
								270	0	17.50	17.00	0.776	0.871	0.225	0.252	
					Front	650000	3750.0	1	137	17.50	17.00	0.166	0.186	0.066	0.074	
								135	69	17.50	17.00	0.164	0.184	0.067	0.075	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	650000	3750.0	1	137	17.50	17.00	0.141	0.158	0.054	0.061	
								135	69	17.50	17.00	0.124	0.139	0.039	0.044	
					Edge 4	650000	3750.0	1	137	17.50	17.00	0.168	0.188	0.066	0.075	
								135	69	17.50	17.00	0.160	0.180	0.062	0.069	

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Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT9	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	650000	3750.0	1	137	25.20	25.20	0.117	0.117	0.031	0.031	
								135	69	25.20	25.20	0.151	0.151	0.050	0.050	252
					Left Tilt	650000	3750.0	1	137	25.20	25.20	0.074	0.074	0.023	0.023	
								135	69	25.20	25.20	0.113	0.113	0.034	0.034	
					Right Touch	650000	3750.0	1	137	25.20	25.20	0.217	0.217	0.090	0.090	
								135	69	25.20	25.20	0.126	0.126	0.054	0.054	
					Right Tilt	650000	3750.0	1	137	25.20	25.20	0.078	0.078	0.025	0.025	
								135	69	25.20	25.20	0.071	0.071	0.024	0.024	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	650000	3750.0	1	137	19.50	19.00	0.782	0.877	0.297	0.333	
								135	69	19.50	19.00	0.775	0.870	0.292	0.328	253
								270	0	19.50	19.00	0.735	0.825	0.281	0.315	
					Front	650000	3750.0	1	137	19.50	19.00	0.603	0.677	0.217	0.243	
								135	69	19.50	19.00	0.633	0.710	0.262	0.294	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 3	650000	3750.0	1	137	19.50	19.00	0.590	0.662	0.225	0.252	
								135	69	19.50	19.00	0.591	0.663	0.223	0.250	
					Edge 4	650000	3750.0	1	137	19.50	19.00	0.737	0.827	0.233	0.261	
								135	69	19.50	19.00	0.752	0.844	0.238	0.267	254
								270	0	19.50	19.00	0.775	0.870	0.255	0.286	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	650000	3750.0	1	137	17.50	17.50	0.979	0.979	0.327	0.327	255
								135	69	17.50	17.50	0.949	0.949	0.314	0.314	
								270	0	17.50	17.50	0.955	0.955	0.318	0.318	
					Left Tilt	650000	3750.0	1	137	17.50	17.50	0.641	0.641	0.210	0.210	
								135	69	17.50	17.50	0.589	0.589	0.197	0.197	
					Right Touch	650000	3750.0	1	137	17.50	17.50	0.255	0.255	0.103	0.103	
								135	69	17.50	17.50	0.274	0.274	0.108	0.108	
					Right Tilt	650000	3750.0	1	137	17.50	17.50	0.197	0.197	0.085	0.085	
								135	69	17.50	17.50	0.200	0.200	0.083	0.083	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	650000	3750.0	1	137	18.00	18.00	0.301	0.301	0.181	0.181	
								135	69	18.00	18.00	0.334	0.334	0.116	0.116	
					Front	650000	3750.0	1	137	18.00	18.00	0.814	0.814	0.295	0.295	
								135	69	18.00	18.00	0.813	0.813	0.294	0.294	
								270	0	18.00	18.00	0.822	0.822	0.303	0.303	256
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	650000	3750.0	1	137	18.00	18.00	0.106	0.106	0.048	0.048	
								135	69	18.00	18.00	0.109	0.109	0.049	0.049	
					Edge 2	650000	3750.0	1	137	18.00	18.00	0.368	0.368	0.130	0.130	
								135	69	18.00	18.00	0.343	0.343	0.123	0.123	

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.

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10.30. Wi-Fi (DTS Band)

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

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

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

Antenna	WWAN Power	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
											Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Cell OFF	Head	802.11b	Mode A	0	Left Touch	6	2437	0.11	100.0%	22.50	22.50	0.066	0.066	0.045	0.045	146
						Left Tilt	6	2437	0.054	100.0%	22.50	22.50					
						Right Touch	6	2437	0.090	100.0%	22.50	22.50					
						Right Tilt	6	2437	0.045	100.0%	22.50	22.50					
		Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	1.650	100.0%	19.00	19.00	0.928	0.928	0.353	0.353	
							11	2462	1.71	100.0%	19.00	19.00	0.764	0.764	0.297	0.297	
						Front	6	2437	1.830	100.0%	19.00	19.00	**1.170**	**1.170**	0.498	0.498	147
							11	2462	2.110	100.0%	19.00	19.00	1.030	1.030	0.449	0.449	
		Hotspot	802.11b	Mode B	5	Edge 3	6	2437	0.417	100.0%	19.00	19.00	0.260	0.260	0.130	0.130	
						Edge 4	6	2437	0.221	100.0%	19.00	19.00					
Antenna	WWAN Power	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
											Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Cell OFF	Head	802.11b	Mode A	0	Left Touch	6	2437	1.641	100.0%	20.50	20.50	0.852	**0.852**	0.326	0.326	148
							11	2462	0.133	100.0%	20.50	20.50	0.668	0.668	0.264	0.264	
						Left Tilt	6	2437	0.499	100.0%	20.50	20.50	0.301	0.301	0.121	0.121	
						Right Touch	6	2437	0.195	100.0%	20.50	20.50					
						Right Tilt	6	2437	0.134	100.0%	20.50	20.50					
		Body & Hotspot	802.11b	Mode B	5	Rear	1	2412	2.220	100.0%	21.25	21.25	1.130	1.130	0.448	0.448	149
							6	2437	1.820	100.0%	21.25	21.25	1.020	1.020	0.408	0.408	
							11	2462	1.370	100.0%	21.25	21.25	0.717	0.717	0.289	0.289	
						Front	6	2437	1.320	100.0%	21.25	21.25	0.686	0.686	0.285	0.285	
		Hotspot	802.11b	Mode B	5	Edge 1	6	2437	0.180	100.0%	21.25	21.25					
						Edge 2	6	2437	1.210	100.0%	21.50	21.50	0.939	**0.939**	0.374	0.374	
							11	2462	1.230	100.0%	21.25	21.25	0.736	0.736	0.288	0.288	
Antenna	WWAN Power	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
											Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Cell ON	Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	0.689	100.0%	16.00	16.00	0.528	0.528	0.200	0.200	
						Front	6	2437	0.82	100.0%	16.00	16.00	0.533	0.533	0.238	0.238	150
		Hotspot	802.11b	Mode B	5	Edge 3	6	2437	0.221	100.0%	16.00	16.00					
						Edge 4	6	2437	0.116	100.0%	16.00	16.00					
Antenna	WWAN Power	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
											Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Cell ON	Head	802.11b	Mode A	0	Left Touch	6	2437	0.475	100.0%	16.00	16.00	0.256	0.256	0.096	0.096	151
						Left Tilt	6	2437	0.147	100.0%	16.00	16.00					
						Right Touch	6	2437	0.074	100.0%	16.00	16.00					
						Right Tilt	6	2437	0.041	100.0%	16.00	16.00					
		Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	0.843	100.0%	18.25	18.25	0.540	0.540	0.213	0.213	152
						Front	6	2437	0.394	100.0%	18.25	18.25					
		Hotspot	802.11b	Mode B	5	Edge 1	6	2437	0.086	100.0%	18.25	18.25					
						Edge 2	6	2437	0.586	100.0%	18.25	18.25	0.456	0.456	0.178	0.178	

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10.31. Wi-Fi (U-NII Band)

Antenna	WWAN Power	Band	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT5	Cell OFF	U-NII-2A	Head	802.11n (HT40)	Mode A	0	Left Touch	54	5270	0.033	97.9%	21.00	21.00	0.000	0.000	0.000	0.000	153
							Left Tilt	54	5270	0.011	97.9%	21.00	21.00					
							Right Touch	54	5270	0.015	97.9%	21.00	21.00					
							Right Tilt	54	5270	0.03	97.9%	21.00	21.00					
		U-NII-1	Body & Airplay	802.11n HT40	Mode B	5	Rear	38	5190	1.490	97.9%	17.00	17.00	0.835	0.853	0.244	0.249	
								46	5230	2.580	97.9%	19.00	19.00	1.150	**1.174**	0.336	0.343	154
							Front	46	5230	0.220	97.9%	19.00	19.00	0.075	0.077	0.024	0.025	
			Airplay	802.11n HT40)	Mode B	5	Edge 3	46	5230	0.556	97.9%	19.00	19.00	0.265	0.271	0.090	0.092	
							Edge 4	46	5230	0.201	97.9%	19.00	19.00					
Antenna	WWAN Power	Band	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT5	Cell OFF	U-NII-2C	Head	802.11ac (VHT80)	Mode A	0	Left Touch	122	5610	0.056	95.9%	21.50	21.50	0.033	0.034	0.007	0.007	155
							Left Tilt	122	5610	0.034	95.9%	21.50	21.50					
							Right Touch	122	5610	0.034	95.9%	21.50	21.50					
							Right Tilt	122	5610	0.039	95.9%	21.50	21.50					
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	106	5530	2.120	95.9%	15.50	15.50	0.932	0.972	0.273	0.285	
								122	5610	2.260	95.9%	16.50	16.50	1.020	1.064	0.306	0.319	
								138	5690	2.110	95.9%	16.50	16.50	**1.110**	1.158	0.336	0.351	156
							Front	138	5690	0.096	95.9%	16.50	16.50					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	138	5690	0.542	95.9%	16.50	16.50	0.196	0.204	0.064	0.067	
							Edge 4	138	5690	0.233	95.9%	16.50	16.50					
Antenna	WWAN Power	Band	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT5	Cell OFF	U-NII-3	Head	802.11a	Mode A	0	Left Touch	157	5785	0.038	98.9%	21.50	21.50	0.002	0.002	0.000	0.000	157
							Left Tilt	157	5785	0.016	98.9%	21.50	21.50					
							Right Touch	157	5785	0.030	98.9%	21.50	21.50					
							Right Tilt	157	5785	0.020	98.9%	21.50	21.50					
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	155	5775	1.990	95.9%	17.50	17.50	1.110	1.158	0.340	0.355	158
							Front	155	5775	0.131	95.9%	17.50	17.50					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	155	5775	0.590	95.9%	17.50	17.50	0.290	0.303	0.096	0.100	
							Edge 4	155	5775	0.255	95.9%	17.50	17.50					
Antenna	WWAN Power	Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT6	Cell OFF	U-NII-1	Head	802.11n (HT40)	Mode A	0	Left Touch	46	5230	0.510	97.9%	18.50	18.50					
							Left Tilt	46	5230	0.636	97.9%	18.50	18.50	0.331	0.338	0.104	0.106	
							Right Touch	38	5230	1.510	97.9%	17.00	17.00	0.554	0.566	0.166	0.170	
								46	5230	2.830	97.9%	18.50	18.50	1.050	1.072	0.325	0.332	159
							Right Tilt	38	5230	1.040	97.9%	17.00	17.00	0.394	0.402	0.122	0.125	
								46	5230	2.310	97.9%	18.50	18.50	0.878	0.897	0.270	0.276	
		U-NII-1	Body & Airplay	802.11n (HT40)	Mode B	5	Rear	38	5230	0.761	97.9%	17.00	17.00	0.405	0.414	0.106	0.108	
								46	5230	1.710	97.9%	18.25	18.25	0.899	0.918	0.262	0.268	160
							Front	46	5230	0.819	97.9%	18.25	18.25	0.410	0.419	0.132	0.135	
			Airplay	802.11n (HT40)	Mode B	5	Edge 1	46	5230	0.625	97.9%	18.25	18.25					
							Edge 4	38	5230	1.000	97.9%	17.00	17.00	0.531	0.542	0.160	0.163	
								46	5230	1.860	97.9%	18.25	18.25	**1.160**	1.185	0.364	0.372	161
Antenna	WWAN Power	Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT6	Cell OFF	U-NII-2C	Head	802.11ac (VHT80)	Mode A	0	Left Touch	122	5610	0.572	95.9%	16.75	16.75					
							Left Tilt	122	5610	0.623	95.9%	16.75	16.75					
							Right Touch	122	5610	2.630	95.9%	16.75	16.75	1.030	1.075	0.304	0.317	162
								138	5690	2.230	95.9%	16.75	16.75	0.960	1.002	0.289	0.302	
							Right Tilt	122	5610	1.330	95.9%	16.75	16.75	0.715	0.746	0.201	0.210	
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	122	5610	2.090	95.9%	16.25	16.25	0.943	0.984	0.251	0.262	163
								138	5690	2.310	95.9%	16.25	16.25	0.826	0.862	0.214	0.223	
							Front	122	5610	1.040	95.9%	16.25	16.25	0.466	0.486	0.144	0.150	
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 1	122	5610	1.050	95.9%	16.25	16.25	0.267	0.279	0.098	0.102	
							Edge 4	122	5610	2.500	95.9%	16.25	16.25	1.080	1.127	0.335	0.350	164
								138	5690	1.970	95.9%	16.25	16.25	0.911	0.950	0.279	0.291	
Antenna	WWAN Power	Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT6	Cell OFF	U-NII-3	Head	802.11ac (VHT80)	Mode A	0	Left Touch	155	5775	0.824	95.9%	18.00	18.00					
							Left Tilt	155	5775	1.140	95.9%	18.00	18.00	0.469	0.489	0.135	0.141	
							Right Touch	155	5775	3.210	95.9%	18.00	18.00	1.040	**1.085**	0.313	0.327	165
							Right Tilt	155	5775	2.030	95.9%	18.00	18.00	0.953	0.994	0.276	0.288	
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	155	5775	1.900	95.9%	18.00	18.00	0.885	0.923	0.225	0.235	166
							Front	155	5775	1.090	95.9%	18.00	18.00	0.471	0.491	0.145	0.151	
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 1	155	5775	0.755	95.9%	18.00	18.00					
							Edge 4	155	5775	2.010	95.9%	18.00	18.00	**1.140**	**1.189**	0.349	0.364	167

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ANT5 Power Mode A the P_{Cell_ON} is same as P_{Cell_OFF}

Antenna	WWAN Power	Band	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT5	Cell ON	U-NII-2A	Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	42	5210	0.952	95.9%	15.25	15.25	**0.389**	0.406	0.118	0.123	168
							Front	42	5210	0.067	95.9%	15.25	15.25					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	42	5210	0.32	95.9%	15.25	15.25	0.090	0.094	0.029	0.030	
							Edge 4	42	5210	0.0613	95.9%	15.25	15.25					
Antenna	WWAN Power	Band	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT5	Cell ON	U-NII-2C	Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	122	5610	0.752	95.9%	12.75	12.75	0.388	0.405	0.112	0.117	169
							Front	122	5610	0.052	95.9%	12.75	12.75					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	122	5610	0.177	95.9%	12.75	12.75	0.073	0.076	0.022	0.023	
							Edge 4	122	5610	0.055	95.9%	12.75	12.75					
Antenna	WWAN Power	Band	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT5	Cell ON	U-NII-3	Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	155	5775	1.650	95.9%	13.75	13.75	0.366	0.382	0.114	0.119	170
							Front	155	5775	0.567	95.9%	13.75	13.75					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 3	155	5775	0.392	95.9%	13.75	13.75	0.117	0.122	0.304	0.317	
							Edge 4	155	5775	0.135	95.9%	13.75	13.75					
Antenna	WWAN Power	Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT6	Cell ON	U-NII-1	Head	802.11ac (VHT80)	Mode A	0	Left Touch	42	5210	0.156	95.9%	12.50	12.50					
							Left Tilt	42	5210	0.159	95.9%	12.50	12.50					
							Right Touch	42	5210	0.596	95.9%	12.50	12.50	0.228	0.238	0.067	0.070	171
							Right Tilt	42	5210	0.419	95.9%	12.50	12.50					
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	42	5210	0.800	95.9%	14.50	14.50	0.406	0.424	0.115	0.120	172
							Front	42	5210	0.647	95.9%	14.50	14.50					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 1	42	5210	0.446	95.9%	14.50	14.50					
							Edge 4	42	5210	0.972	95.9%	14.50	14.50	0.421	0.439	0.121	0.126	
Antenna	WWAN Power	Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT6	Cell ON	U-NII-2C	Head	802.11ac (VHT80)	Mode A	0	Left Touch	122	5610	0.118	95.9%	10.75	10.75					
							Left Tilt	122	5610	0.147	95.9%	10.75	10.75					
							Right Touch	122	5610	0.587	95.9%	10.75	10.75	0.248	0.259	0.071	0.074	173
							Right Tilt	122	5610	0.562	95.9%	10.75	10.75					
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	122	5610	1.25	95.9%	12.50	12.50	0.269	0.281	0.069	0.072	174
							Front	122	5610	0.344	95.9%	12.50	12.50					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 1	122	5610	0.329	95.9%	12.50	12.50					
							Edge 4	122	5610	1.48	95.9%	12.50	12.50	0.434	0.453	0.130	0.136	175
Antenna	WWAN Power	Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT6	Cell ON	U-NII-3	Head	802.11ac (VHT80)	Mode A	0	Left Touch	155	5775	0.286	95.9%	12.00	12.00					
							Left Tilt	155	5775	0.297	95.9%	12.00	12.00					
							Right Touch	155	5775	0.568	95.9%	12.00	12.00					
							Right Tilt	155	5775	0.937	95.9%	12.00	12.00	0.219	0.228	0.058	0.061	176
			Body & Airplay	802.11ac (VHT80)	Mode B	5	Rear	155	5775	0.677	95.9%	14.25	14.25	0.389	0.406	0.095	0.099	177
							Front	155	5775	0.508	95.9%	14.25	14.25					
			Airplay	802.11ac (VHT80)	Mode B	5	Edge 1	155	5775	0.501	95.9%	14.25	14.25					
							Edge 4	155	5775	1.42	95.9%	14.25	14.25	0.434	0.453	0.131	0.137	178

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10.32. Bluetooth

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

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3 P_{low}	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	10.50	10.50	0.004	0.004	0.002	0.002	
					Left Tilt	39	2441	100.0%	10.50	10.50	0.052	0.052	0.021	0.021	179
					Right Touch	39	2441	100.0%	10.50	10.50	0.039	0.039	0.018	0.018	
					Right Tilt	39	2441	100.0%	10.50	10.50	0.016	0.016	0.018	0.018	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	8.00	8.00	0.053	0.053	0.020	0.020	
					Front	39	2441	100.0%	8.00	8.00	0.041	0.041	0.019	0.019	180
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	8.00	8.00	0.012	0.012	0.006	0.006	
					Edge 4	39	2441	100.0%	8.00	8.00	0.007	0.007	0.003	0.003	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3 P_{high}	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	14.00	14.00	0.293	0.293	0.078	0.078	181
					Front	39	2441	100.0%	14.00	14.00	0.211	0.211	0.107	0.107	
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	14.00	14.00	0.046	0.046	0.026	0.026	
					Edge 4	39	2441	100.0%	14.00	14.00	0.046	0.046	0.021	0.021	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3 $P_{standlone}$	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	20.00	20.00	0.049	0.049	0.028	0.028	182
					Left Tilt	39	2441	100.0%	20.00	20.00	0.015	0.015	0.008	0.008	
					Right Touch	39	2441	100.0%	20.00	20.00	0.034	0.034	0.020	0.020	
					Right Tilt	39	2441	100.0%	20.00	20.00	0.014	0.014	0.007	0.007	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	19.00	19.00	0.567	0.567	0.211	0.211	183
					Front	39	2441	100.0%	19.00	19.00	0.396	0.396	0.186	0.186	
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	19.00	19.00	0.127	0.127	0.065	0.065	
					Edge 4	39	2441	100.0%	19.00	19.00	0.072	0.072	0.031	0.031	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4 P_{low}	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	9.50	9.50	0.082	0.082	0.027	0.027	184
					Left Tilt	39	2441	100.0%	9.50	9.50	0.024	0.024	0.007	0.007	
					Right Touch	39	2441	100.0%	9.50	9.50	0.019	0.019	0.006	0.006	
					Right Tilt	39	2441	100.0%	9.50	9.50	0.003	0.003	0.000	0.000	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	10.00	10.00	0.078	0.078	0.025	0.025	
					Front	39	2441	100.0%	10.00	10.00	0.049	0.049	0.017	0.017	
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	10.00	10.00	0.007	0.007	0.002	0.002	
					Edge 2	39	2441	100.0%	10.00	10.00	0.085	0.085	0.033	0.033	185
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4 P_{high}	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	15.50	15.50	0.267	0.267	0.106	0.106	186
					Left Tilt	39	2441	100.0%	15.50	15.50	0.096	0.096	0.041	0.041	
					Right Touch	39	2441	100.0%	15.50	15.50	0.051	0.051	0.026	0.026	
					Right Tilt	39	2441	100.0%	15.50	15.50	0.044	0.044	0.021	0.021	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	16.00	16.00	0.233	0.233	0.102	0.102	
					Front	39	2441	100.0%	16.00	16.00	0.130	0.130	0.059	0.059	
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	16.00	16.00	0.061	0.061	0.031	0.031	
					Edge 2	39	2441	100.0%	16.00	16.00	0.361	0.361	0.153	0.153	187
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4 $P_{standlone}$	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	20.00	20.00	0.633	**0.633**	0.235	0.235	188
					Left Tilt	39	2441	100.0%	20.00	20.00	0.217	0.217	0.084	0.084	
					Right Touch	39	2441	100.0%	20.00	20.00	0.120	0.120	0.036	0.036	
					Right Tilt	39	2441	100.0%	20.00	20.00	0.122	0.122	0.060	0.060	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	20.00	20.00	0.601	0.601	0.235	0.235	189
					Front	39	2441	100.0%	20.00	20.00	0.603	**0.603**	0.254	0.254	
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	20.00	20.00	0.128	0.128	0.059	0.059	
					Edge 2	39	2441	100.0%	20.00	20.00	**0.672**	**0.672**	0.263	0.263	

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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
850	LTE Band 5	Head	Right Touch	Yes	0.889	0.775	1.15
1700	LTE Band 66	Head	Right Tilt	Yes	0.999	0.962	1.04
1900	WCDMA Band II	Head	Left Touch	Yes	0.973	0.973	1.00
2300	LTE Band 30	Body & Hotspot	Rear	Yes	0.999	0.950	1.05
2400	Wi-Fi 802.11b/g/n	Body & Hotspot	Front	Yes	1.170	1.100	1.06
2500	LTE Band 7	Hotspot	Edge 2	Yes	0.998	0.962	1.04
2600	LTE Band 41	Head	Left Tilt	Yes	0.993	0.981	1.01
3600	LTE Band 48	Head	Left Touch	Yes	0.985	0.877	1.12
5200	Wi-Fi 802.11a/n/ac	Airplay	Edge 4	Yes	1.160	1.140	1.02
5500	Wi-Fi 802.11a/n/ac	Body & Airplay	Rear	Yes	1.110	1.090	1.02
5800	Wi-Fi 802.11a/n/ac	Airplay	Edge 4	Yes	1.140	1.02	1.12

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.

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12. Simultaneous Transmission Conditions

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

Sum of SAR

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

SAR to Peak Location Ratio (SPLSR)

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

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

Where:

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

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

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

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

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

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

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

Simultaneous transmission SAR measurement

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

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

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

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

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

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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.

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)				∑ 1-g SAR (W/kg)			
		1	2	3	4	1+3	1+4	2+3	2+4
		Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.034	0.746	0.049	0.267	0.083	0.301	0.795	1.013
	Left Tilt	0.034	0.746	0.015	0.096	0.049	0.130	0.761	0.842
	Right Touch	0.034	1.085	0.034	0.051	0.068	0.085	1.119	1.136
	Right Tilt	0.034	0.994	0.014	0.044	0.048	0.078	1.008	1.038
Body-worn & Hotspot	Rear	1.174	0.984	0.293	0.233	1.467	1.407	1.277	1.217
	Front	1.158	0.491	0.211	0.130	1.369	1.288	0.702	0.621
Hotspot	Edge 1		1.189		0.061		0.061	1.189	1.250
	Edge 2				0.361		0.361		0.361
	Edge 3	0.303		0.046		0.349	0.303	0.046	
	Edge 4	0.303	1.189	0.046		0.349	0.303	1.235	1.189

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT1	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.324	0.066	0.256	0.049	0.267	0.390	0.580	0.373	0.591
	Left Tilt	0.190	0.066	0.256	0.015	0.096	0.256	0.446	0.205	0.286
	Right Touch	0.603	0.066	0.256	0.034	0.051	0.669	0.859	0.637	0.654
	Right Tilt	0.165	0.066	0.256	0.014	0.044	0.231	0.421	0.179	0.209
Body-worn & Hptspot	Rear	0.982	0.528	0.540	0.293	0.233	1.510	1.522	1.275	1.215
	Front	0.540	0.533	0.540	0.211	0.130	1.073	1.080	0.751	0.670
Hotspot	Edge 1			0.456		0.061		0.456		0.061
	Edge 2	0.998		0.456		0.361	0.998	1.454	0.998	1.359
	Edge 3	0.973	0.528		0.046		1.501	0.973	1.019	0.973
	Edge 4	0.316	0.528		0.046		0.844	0.316	0.362	0.316

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT1	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.324	0.034	0.259	0.004	0.082	0.362	0.440	0.587	0.665
	Left Tilt	0.190	0.034	0.259	0.052	0.024	0.276	0.248	0.501	0.473
	Right Touch	0.603	0.034	0.259	0.039	0.019	0.676	0.656	0.901	0.881
	Right Tilt	0.165	0.034	0.259	0.016	0.003	0.215	0.202	0.440	0.427
Body-worn & Hptspot	Rear	0.982	0.406	0.424	0.053	0.078	1.441	1.466	1.459	1.484
	Front	0.540	0.406	0.424	0.041	0.049	0.987	0.995	1.005	1.013
Hotspot	Edge 1			0.453		0.007		0.007	0.453	0.460
	Edge 2	0.998				0.085	0.998	1.083	0.998	1.083
	Edge 3	0.973	0.122		0.012		1.107	1.095	0.985	0.973
	Edge 4	0.316	0.122	0.453	0.007		0.445	0.438	0.776	0.769

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT2	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.979	0.066	0.256	0.049	0.267	1.045	1.235	1.028	1.246
	Left Tilt	0.993	0.066	0.256	0.015	0.096	1.059	1.249	1.008	1.089
	Right Touch	0.985	0.066	0.256	0.034	0.051	1.051	1.241	1.019	1.036
	Right Tilt	0.999	0.066	0.256	0.014	0.044	1.065	1.255	1.013	1.043
Body-worn & Hptspot	Rear	0.999	0.528	0.540	0.293	0.233	1.527	1.539	1.292	1.232
	Front	0.736	0.533	0.540	0.211	0.130	1.269	1.276	0.947	0.866
Hotspot	Edge 1	0.987		0.456		0.061	0.987	1.443	0.987	1.048
	Edge 2	0.224		0.456		0.361	0.224	0.680	0.224	0.585
	Edge 3		0.528		0.046		0.528		0.046	
	Edge 4	0.971	0.528		0.046		1.499	0.971	1.017	0.971

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT2	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.979	0.034	0.259	0.004	0.082	1.017	1.095	1.242	1.320
	Left Tilt	0.993	0.034	0.259	0.052	0.024	1.079	1.051	1.304	1.276
	Right Touch	0.985	0.034	0.259	0.039	0.019	1.058	1.038	1.283	1.263
	Right Tilt	0.999	0.034	0.259	0.016	0.003	1.049	1.036	1.274	1.261
Body-worn & Hptspot	Rear	0.999	0.406	0.424	0.053	0.078	1.458	1.483	1.476	1.501
	Front	0.736	0.406	0.424	0.041	0.049	1.183	1.191	1.201	1.209
Hotspot	Edge 1	0.987		0.453		0.007	0.987	0.994	1.440	1.447
	Edge 2	0.224				0.085	0.224	0.309	0.224	0.309
	Edge 3		0.122		0.012		0.134	0.122	0.012	
	Edge 4	0.971	0.122	0.453	0.007		1.100	1.093	1.431	1.424

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT3	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.953	0.066	0.256	0.049	0.267	1.019	1.209	1.002	1.220
	Left Tilt	0.259	0.066	0.256	0.015	0.096	0.325	0.515	0.274	0.355
	Right Touch	0.481	0.066	0.256	0.034	0.051	0.547	0.737	0.515	0.532
	Right Tilt	0.419	0.066	0.256	0.014	0.044	0.485	0.675	0.433	0.463
Body-worn & Hptspot	Rear	0.990	0.528	0.540	0.293	0.233	1.518	1.530	1.283	1.223
	Front	0.675	0.533	0.540	0.211	0.130	1.208	1.215	0.886	0.805
Hotspot	Edge 1			0.456		0.061		0.456		0.061
	Edge 2			0.456		0.361		0.456		0.361
	Edge 3	0.331	0.528		0.046		0.859	0.331	0.377	0.331
	Edge 4	0.980	0.528		0.046		1.508	0.980	1.026	0.980

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT3	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.953	0.034	0.259	0.004	0.082	0.991	1.069	1.216	1.294
	Left Tilt	0.259	0.034	0.259	0.052	0.024	0.345	0.317	0.570	0.542
	Right Touch	0.481	0.034	0.259	0.039	0.019	0.554	0.534	0.779	0.759
	Right Tilt	0.419	0.034	0.259	0.016	0.003	0.469	0.456	0.694	0.681
Body-worn & Hptspot	Rear	0.990	0.406	0.424	0.053	0.078	1.449	1.474	1.467	1.492
	Front	0.675	0.406	0.424	0.041	0.049	1.122	1.130	1.140	1.148
Hotspot	Edge 1			0.453		0.007		0.007	0.453	0.460
	Edge 2					0.085		0.085		0.085
	Edge 3	0.331	0.122		0.012		0.465	0.453	0.343	0.331
	Edge 4	0.980	0.122	0.453	0.007		1.109	1.102	1.440	1.433

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT4	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.992	0.066	0.256	0.049	0.267	1.058	1.248	1.041	1.259
	Left Tilt	0.763	0.066	0.256	0.015	0.096	0.829	1.019	0.778	0.859
	Right Touch	0.354	0.066	0.256	0.034	0.051	0.420	0.610	0.388	0.405
	Right Tilt	0.313	0.066	0.256	0.014	0.044	0.379	0.569	0.327	0.357
Body-worn & Hptspot	Rear	0.899	0.528	0.540	0.293	0.233	1.427	1.439	1.192	1.132
	Front	0.822	0.533	0.540	0.211	0.130	1.355	1.362	1.033	0.952
Hotspot	Edge 1	0.308		0.456		0.061	0.308	0.764	0.308	0.369
	Edge 2	0.998		0.456		0.361	0.998	1.454	0.998	1.359
	Edge 3		0.528		0.046		0.528		0.046	
	Edge 4		0.528		0.046		0.528		0.046	

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT4	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.992	0.034	0.259	0.004	0.082	1.030	1.108	1.255	1.333
	Left Tilt	0.763	0.034	0.259	0.052	0.024	0.849	0.821	1.074	1.046
	Right Touch	0.354	0.034	0.259	0.039	0.019	0.427	0.407	0.652	0.632
	Right Tilt	0.313	0.034	0.259	0.016	0.003	0.363	0.350	0.588	0.575
Body-worn & Hptspot	Rear	0.899	0.406	0.424	0.053	0.078	1.358	1.383	1.376	1.401
	Front	0.822	0.406	0.424	0.041	0.049	1.269	1.277	1.287	1.295
Hotspot	Edge 1	0.308		0.453		0.007	0.308	0.315	0.761	0.768
	Edge 2	0.998				0.085	0.998	1.083	0.998	1.083
	Edge 3		0.122		0.012		0.134	0.122	0.012	
	Edge 4		0.122	0.453	0.007		0.129	0.122	0.460	0.453

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT7	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.329	0.066	0.256	0.049	0.267	0.395	0.585	0.378	0.596
	Left Tilt	0.344	0.066	0.256	0.015	0.096	0.410	0.600	0.359	0.440
	Right Touch	0.612	0.066	0.256	0.034	0.051	0.678	0.868	0.646	0.663
	Right Tilt	0.254	0.066	0.256	0.014	0.044	0.320	0.510	0.268	0.298
Body-worn & Hptspot	Rear	0.998	0.528	0.540	0.293	0.233	1.526	1.538	1.291	1.231
	Front	0.450	0.533	0.540	0.211	0.130	0.983	0.990	0.661	0.580
Hotspot	Edge 1			0.456		0.061		0.456		0.061
	Edge 2	0.991		0.456		0.361	0.991	1.447	0.991	1.352
	Edge 3	0.361	0.528		0.046		0.889	0.361	0.407	0.361
	Edge 4		0.528		0.046		0.528		0.046	

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT7	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.329	0.034	0.259	0.004	0.082	0.367	0.445	0.592	0.670
	Left Tilt	0.344	0.034	0.259	0.052	0.024	0.430	0.402	0.655	0.627
	Right Touch	0.612	0.034	0.259	0.039	0.019	0.685	0.665	0.910	0.890
	Right Tilt	0.254	0.034	0.259	0.016	0.003	0.304	0.291	0.529	0.516
Body-worn & Hptspot	Rear	0.998	0.406	0.424	0.053	0.078	1.457	1.482	1.475	1.500
	Front	0.450	0.406	0.424	0.041	0.049	0.897	0.905	0.915	0.923
Hotspot	Edge 1			0.453		0.007		0.007	0.453	0.460
	Edge 2	0.991				0.085	0.991	1.076	0.991	1.076
	Edge 3	0.361	0.122		0.012		0.495	0.483	0.373	0.361
	Edge 4		0.122	0.453	0.007		0.129	0.122	0.460	0.453

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT8	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.338	0.066	0.256	0.049	0.267	0.404	0.594	0.387	0.605
	Left Tilt	0.335	0.066	0.256	0.015	0.096	0.401	0.591	0.350	0.431
	Right Touch	0.977	0.066	0.256	0.034	0.051	1.043	1.233	1.011	1.028
	Right Tilt	0.863	0.066	0.256	0.014	0.044	0.929	1.119	0.877	0.907
Body-worn & Hptspot	Rear	0.976	0.528	0.540	0.293	0.233	1.504	1.516	1.269	1.209
	Front	0.231	0.533	0.540	0.211	0.130	0.764	0.771	0.442	0.361
Hotspot	Edge 1	0.412		0.456		0.061	0.412	0.868	0.412	0.473
	Edge 2			0.456		0.361		0.456		0.361
	Edge 3		0.528		0.046		0.528		0.046	
	Edge 4	0.188	0.528		0.046		0.716	0.188	0.234	0.188

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT8	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.338	0.034	0.259	0.004	0.082	0.376	0.454	0.601	0.679
	Left Tilt	0.335	0.034	0.259	0.052	0.024	0.421	0.393	0.646	0.618
	Right Touch	0.977	0.034	0.259	0.039	0.019	1.050	1.030	1.275	1.255
	Right Tilt	0.863	0.034	0.259	0.016	0.003	0.913	0.900	1.138	1.125
Body-worn & Hptspot	Rear	0.976	0.406	0.424	0.053	0.078	1.435	1.460	1.453	1.478
	Front	0.231	0.406	0.424	0.041	0.049	0.678	0.686	0.696	0.704
Hotspot	Edge 1	0.412		0.453		0.007	0.412	0.419	0.865	0.872
	Edge 2					0.085		0.085		0.085
	Edge 3		0.122		0.012		0.134	0.122	0.012	
	Edge 4	0.188	0.122	0.453	0.007		0.317	0.310	0.648	0.641

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

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	2	3	6	7	1+2	1+3	1+6	1+7
		WWAN Cell-on ANT9	Wi-Fi 2.4G ANT3	Wi-Fi 2.4G ANT4	BT(P_{high}) ANT3	BT(P_{high}) ANT4				
Head	Left Touch	0.399	0.066	0.256	0.049	0.267	0.465	0.655	0.448	0.666
	Left Tilt	0.113	0.066	0.256	0.015	0.096	0.179	0.369	0.128	0.209
	Right Touch	0.275	0.066	0.256	0.034	0.051	0.341	0.531	0.309	0.326
	Right Tilt	0.078	0.066	0.256	0.014	0.044	0.144	0.334	0.092	0.122
Body-worn & Hptspot	Rear	0.877	0.528	0.540	0.293	0.233	1.405	1.417	1.170	1.110
	Front	0.985	0.533	0.540	0.211	0.130	1.518	1.525	1.196	1.115
Hotspot	Edge 1			0.456		0.061		0.456		0.061
	Edge 2			0.456		0.361		0.456		0.361
	Edge 3	0.729	0.528		0.046		1.257	0.729	0.775	0.729
	Edge 4	0.870	0.528		0.046		1.398	0.870	0.916	0.870

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT9	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.399	0.034	0.259	0.004	0.082	0.437	0.515	0.662	0.740
	Left Tilt	0.113	0.034	0.259	0.052	0.024	0.199	0.171	0.424	0.396
	Right Touch	0.275	0.034	0.259	0.039	0.019	0.348	0.328	0.573	0.553
	Right Tilt	0.078	0.034	0.259	0.016	0.003	0.128	0.115	0.353	0.340
Body-worn & Hptspot	Rear	0.877	0.406	0.424	0.053	0.078	1.336	1.361	1.354	1.379
	Front	0.985	0.406	0.424	0.041	0.049	1.432	1.440	1.450	1.458
Hotspot	Edge 1			0.453		0.007		0.007	0.453	0.460
	Edge 2					0.085		0.085		0.085
	Edge 3	0.729	0.122		0.012		0.863	0.851	0.741	0.729
	Edge 4	0.870	0.122	0.453	0.007		0.999	0.992	1.330	1.323

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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

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