SAR EVALUATION REPORT

FCC 47 CFR § 2.1093
IEEE Std 1528-2013

For
SMARTPHONE

FCC ID: BCG-E4000A
Model Name: A2483

Report Number: 13571601-S1V5
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ACCREDITED
CERT #0751.05

Revision History

Rev.	Date	Revisions	Revised By
V1	7/22/2021	Initial Issue	--
V2	7/22/2021	1. Section 6.5 - Added DC_12A_n7A 2. Section 6.6 - Updated Tune-up power 3. Section 10.17 – Updated typo	Devin Chang
V3	7/26/2021	Section 6.2 – Updated footnotes	Dave Weaver
V4	7/27/2021	Section 6.6 – Updated P_{design} formula. Section 9.9 – Updated Tune-up Output Power table.	Devin Chang
V5	9/13/2021	Section 6.5: - Updated Typo	Lance Fleischer

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1. Attestation of Test Results

Applicant Name		APPLE INC.			
FCC ID		BCG-E4000A			
Model Name		A2483			
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		0.959	1.198	1.100	1.124
Body-worn (Dist.= 5 mm)		0.958	1.150	1.186	0.952
Hotspot (Dist.= 5 mm)		0.959	1.172	1.186	1.194
Simultaneous TX	Head	1.351	1.338	1.314	1.351
	Body-worn	1.450	1.410	1.582	1.582
	Hotspot	1.437	1.407	1.437	1.437
Date Tested		5/24/2021 to 7/21/2021			
Test Results		Pass			

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

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

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

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

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

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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)
- TCB workshop April 2021; RF Exposure Procedures (Remarks on Test Reductions via Data Referencing for Closely Related Products)

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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	5440 Patrick Henry Drive
SAR Lab A	SAR Lab 1	PHD 1
SAR Lab B	SAR Lab 2	PHD 2
SAR Lab C	SAR Lab 3	PHD 3
SAR Lab D	SAR Lab 4	PHD 4
SAR Lab E	SAR Lab 5	
SAR Lab F	SAR Lab 6	
SAR Lab G	SAR Lab 8	
SAR Lab H	SAR Lab 9	
	SAR Lab 10	
	SAR Lab 11	
	SAR Lab 12	
	SAR Lab 13	
	SAR Lab 14	
	SAR Lab 15	
	SAR Lab 16	

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

The Test Lab Conformity Assessment Body Identifier (CABID)

Location	CABID	Company Number
47173 Benicia Street, Fremont, CA, 94538 UNITED STATES	US0104	2324A
47266 Benicia Street, Fremont, CA, 94538 UNITED STATES		22541
5440 Patrick Henry Drive, Santa Clara, CA, 95054 UNITED STATES		27500

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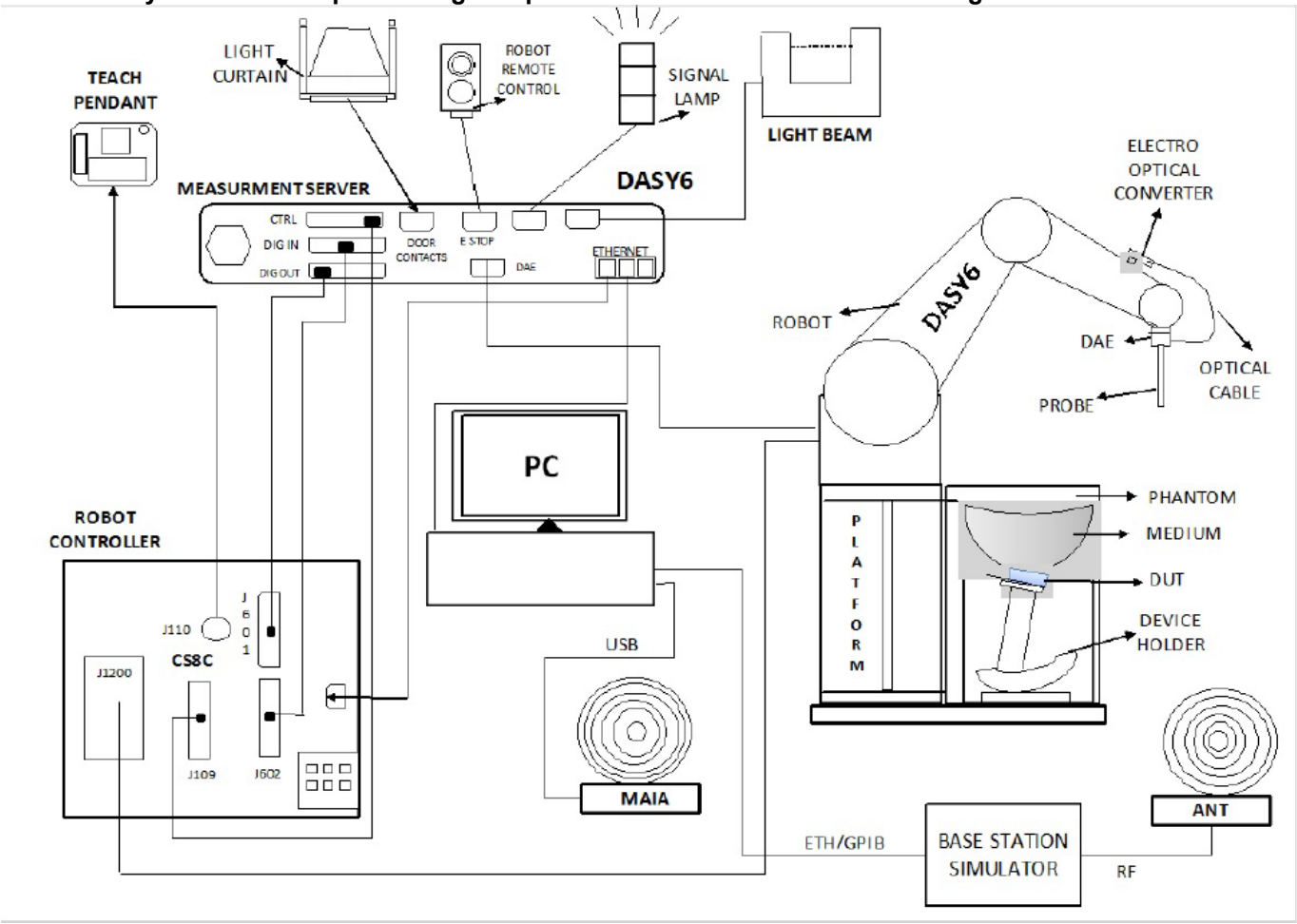
4. SAR Measurement System & Test Equipment

4.1. SAR Measurement System

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



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

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

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

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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.

Dielectric Property Measurements

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Network Analyzer	Rohde & Schwarz	ZNLE6	101273	2/26/2022
Dielectric Probe kit	SPEAG	DAK-3.5	1087	11/12/2021
Shorting block	SPEAG	DAK-3.5 Short	SM DAK200BA	11/12/2021
Thermometer	Fischer Scientific	4242	150378159	8/5/2021
Network Analyzer	Rohde & Schwarz	ZNLE6	101274	2/26/2022
Dielectric Probe kit	SPEAG	DAK-3.5	1082	9/9/2021
Shorting block	SPEAG	DAK-3.5 Short	SM DAK200DA	9/9/2021
Thermometer	Control Company	15-078-179	170064398	7/30/2021
Network Analyzer	Copper Mountain Technologies	Planar R140 Vector Reflectomete	170514	9/9/2021
Dielectric Probe kit	SPEAG	DAKS -3.5 Probe	1050	9/9/2021
Shorting block	SPEAG	DAK-1.2/3.5 Short	SM DAK 200 CA	9/9/2021
Thermometer	Fischer Scientific	N/A	N/A	2/14/2022

System Check

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Signal Generator	Keysight Technologies	N5181A-506	MY50140610	1/21/2022
Power Meter	Keysight Technologies	N1912A	MY50001018	1/21/2022
Power Sensor	Keysight Technologies	N1921A	MY53020038	1/28/2022
DC Power Supply	Ametek	XT15-4	1802A01877	N/A
Amplifier	Miteq	AMF-4D-00400600-50-30P	1795092	N/A
Signal Generator	Rohde & Schwarz	SMB100A03	180969	2/16/2022
3-Path Diode Power Sensor	Rohde & Schwarz	NRP18A	100992	2/16/2022
Signal Generator	Rohde & Schwarz	SMB100A03	180970	2/16/2022
Power Meter	Keysight Technologies	437B	3125U11347	1/26/2022
3-Path Diode Power Sensor	Rohde & Schwarz	NRP18A	100995	2/26/2022
Bi-Directional Coupler	Werlatone	C8060-102	4063	N/A
Signal Generator	Rohde & Schwarz	SMW 200A	1412.0000K02-102870-AX	7/20/2021 *
Power Sensor	Rohde & Schwarz	NRP-Z81	1137.9009.02.106321-pu	7/1/2022
Power Sensor	Rohde & Schwarz	NRP-Z81	1137.9009.02-101575-em	7/17/2022
Power Meter	HP	NRX	1424.7005K02-102214-ea	7/2/2022
Amplifier	RF/Microwave Instrumentation	20S1G4M4	337209	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	3772	2/25/2022
E-Field Probe (SAR Lab B)	SPEAG	EX3DV4	3773	2/25/2022
E-Field Probe (SAR Lab C)	SPEAG	EX3DV4	3749	2/5/2022
E-Field Probe (SAR Lab D)	SPEAG	EX3DV4	7482	4/26/2022
E-Field Probe (SAR Lab E)	SPEAG	EX3DV4	7500	3/18/2022
E-Field Probe (SAR Lab F)	SPEAG	EX3DV4	7356	3/19/2022
E-Field Probe (SAR Lab G)	SPEAG	EX3DV4	3902	3/18/2022
E-Field Probe (SAR Lab H)	SPEAG	EX3DV4	7501	3/18/2022
E-Field Probe (SAR Lab 1)	SPEAG	EX3DV4	7569	4/26/2022
E-Field Probe (SAR Lab 2)	SPEAG	EX3DV4	7335	2/25/2022
E-Field Probe (SAR Lab 3)	SPEAG	EX3DV4	7585	4/27/2022
E-Field Probe (SAR Lab 4)	SPEAG	EX3DV4	3929	3/19/2022
E-Field Probe (SAR Lab 5)	SPEAG	EX3DV4	7498	3/18/2022
E-Field Probe (SAR Lab 6)	SPEAG	EX3DV4	3990	2/5/2022
E-Field Probe (SAR Lab 7)	SPEAG	EX3DV4	7587	4/27/2022
E-Field Probe (SAR Lab 8)	SPEAG	EX3DV4	7582	3/1/2022
E-Field Probe (SAR Lab 10)	SPEAG	EX3DV4	7448	2/26/2022
E-Field Probe (SAR Lab 12)	SPEAG	EX3DV4	3686	9/21/2021
E-Field Probe (SAR Lab 13)	SPEAG	EX3DV4	7581	3/1/2022
E-Field Probe (PHD SAR Lab 1)	SPEAG	EX3DV4	3785	10/15/2021
E-Field Probe (PHD SAR Lab 2)	SPEAG	EX3DV4	3988	10/16/2021
E-Field Probe (PHD SAR Lab 3)	SPEAG	EX3DV4	3764	9/18/2021
Data Acquisition Electronics (SAR Lab A)	SPEAG	DAE4	1359	1/28/2022
Data Acquisition Electronics (SAR Lab B)	SPEAG	DAE4	1357	1/28/2022
Data Acquisition Electronics (SAR Lab C)	SPEAG	DAE4	1380	8/19/2021
Data Acquisition Electronics (SAR Lab D)	SPEAG	DAE4	1547	4/19/2022
Data Acquisition Electronics (SAR Lab E)	SPEAG	DAE4	1540	1/27/2022
Data Acquisition Electronics (SAR Lab F)	SPEAG	DAE4	1433	2/24/2022
Data Acquisition Electronics (SAR Lab G)	SPEAG	DAE4	1258	3/18/2022
Data Acquisition Electronics (SAR Lab H)	SPEAG	DAE4	1544	1/27/2022
Data Acquisition Electronics (SAR Lab 1)	SPEAG	DAE4	1352	11/17/2021
Data Acquisition Electronics (SAR Lab 2)	SPEAG	DAE4	1377	9/10/2021
Data Acquisition Electronics (SAR Lab 3)	SPEAG	DAE4	1548	2/22/2022
Data Acquisition Electronics (SAR Lab 4)	SPEAG	DAE4	1439	7/16/2021 *
Data Acquisition Electronics (SAR Lab 5)	SPEAG	DAE4	1239	7/29/2021
Data Acquisition Electronics (SAR Lab 6)	SPEAG	DAE4	1259	7/16/2021 *
Data Acquisition Electronics (SAR Lab 7)	SPEAG	DAE4	1472	1/28/2022
Data Acquisition Electronics (SAR Lab 8)	SPEAG	DAE4	1248	2/19/2022
Data Acquisition Electronics (SAR Lab 10)	SPEAG	DAE4	1545	2/22/2022
Data Acquisition Electronics (SAR Lab 12)	SPEAG	DAE4	1434	10/12/2021
Data Acquisition Electronics (SAR Lab 13)	SPEAG	DAE4	1261	2/24/2022
Data Acquisition Electronics (PHD SAR Lab 1)	SPEAG	DAE4	1412	10/7/2021
Data Acquisition Electronics (PHD SAR Lab 2)	SPEAG	DAE4	1463	10/7/2021
Data Acquisition Electronics (PHD SAR Lab 3)	SPEAG	DAE4	1276	9/11/2021

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	11/26/2021
System Validation Dipole	SPEAG	D750V3	1024	5/11/2022
System Validation Dipole	SPEAG	D835V2	4d117	5/11/2022
System Validation Dipole	SPEAG	D835V2	4d142	8/18/2021
System Validation Dipole	SPEAG	D1750V2	1050	4/13/2022
System Validation Dipole	SPEAG	D1750V2	1077	10/16/2021
System Validation Dipole	SPEAG	D1900V2	5d043	11/27/2021
System Validation Dipole	SPEAG	D1900V2	5d140	4/13/2022
System Validation Dipole	SPEAG	D1900V2	5d163	10/22/2021
System Validation Dipole	SPEAG	D2300V2	1002	4/13/2022
System Validation Dipole	SPEAG	D2300V2	1058	10/27/2021
System Validation Dipole	SPEAG	D2450V2	706	4/23/2022
System Validation Dipole	SPEAG	D2450V2	748	2/19/2022
System Validation Dipole	SPEAG	D2450V2	899	4/13/2022
System Validation Dipole	SPEAG	D2600V2	1006	10/20/2021
System Validation Dipole	SPEAG	D3500V2	1011	4/15/2022
System Validation Dipole	SPEAG	D3500V2	1060	2/25/2022
System Validation Dipole	SPEAG	D3700V2	1039	4/16/2022
System Validation Dipole	SPEAG	D3900V2	1052	8/3/2021
System Validation Dipole	SPEAG	D5GHzV2	1003	2/17/2022
System Validation Dipole	SPEAG	D5GHzV2	1138	8/17/2021
System Validation Dipole	SPEAG	D5GHzV2	1168	11/27/2021

OTHER

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

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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, and NFC. All models support at least one UICC based SIM. The second SIM is either an UICC based p-SIM (physical SIM) or e-SIM (electronic SIM). The device supports a built-in inductive charging transmitter and receiver. The rechargeable battery is not user accessible.

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

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

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

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

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

Device Dimension	Overall (Length x Width): 147.6 mm x 71.5 mm Overall Diagonal: 164.0 mm (6.4 inch) Display Diagonal: 153.9 mm (6.0 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 FDD Band 66B FDD Band 66C	QPSK 16QAM 64AQM 256QAM Carrier Aggregation (2 Uplinks and 6 Downlinks)		100% (FDD) 63.3% (TDD) Power Class 3 43.3% (TDD) Power Class 2 Refer to §6.4
		Does this device support SV-LTE (1xRTT-LTE)? ☐ Yes ☒ No		
5G NR (FR1)	FDD band n2 FDD band n5 FDD band n7 FDD band n12 FDD band n25 FDD band n30 TDD band n41[2] FDD band n66 FDD band n71 TDD band n77[2]	CP-OFDM: Pi/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM DFT-s-OFDM: QPSK, 16QAM, 64QAM, 256QAM		100% (FDD) 100% (TDD) Power Class 3 50% (TDD) Power Class 2
Wi-Fi	2.4 GHz[1]	802.11b 802.11g 802.11n (HT20) 802.11ac (HT20) 802.11ax (HE20)		100% (802.11b) 98.92% (802.11g/n/ac/ax 20MHz BW)
	5 GHz[1]	802.11a 802.11n (HT20) 802.11n (HT40) 802.11ac (VHT20) 802.11ac (VHT40)		98.92% (802.11a/n/ac 20MHz BW) 97.92% (802.11n/ac/ax 40MHz BW) 95.83% (802.11n/ac/ax 80MHz BW)

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

Note(s):

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

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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

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

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n66	SCS (kHz)	Frequency range: 1710 - 1780 MHz (BW = 70 MHz)												
		Channel Bandwidth (MHz)												
		100	90	80	70	60	50	40	30	25	20	15	10	5
Low	15							346000 /1730	345000 /1725		344000 /1720	343500 /1717.5	343000 /1715	342500 /1712.5
Mid	15							349000 /1745	349000 /1745		349000 /1745	349000 /1745	349000 /1745	349000 /1745
High	15							352000 /1760	353000 /1765		354000 /1770	354500 /1772.5	355000 /1775	355500 /1777.5
n71	SCS (kHz)	Frequency range: 663 - 698 MHz (BW = 35 MHz)												
		Channel Bandwidth (MHz)												
		100	90	80	70	60	50	40	30	25	20	15	10	5
Low	15										134600 /673	134100 /670.5	133600 /668	133100 /665.5
Mid	15										136100 /680.5	136100 /680.5	136100 /680.5	136100 /680.5
High	15										137600 /688	138100 /690.5	138600 /693	139100 /695.5
n77	SCS (kHz)	Block A Frequency range: 3450 - 3550 MHz (BW = 100 MHz)												
		Channel Bandwidth (MHz)												
		100	90	80	70	60	50	40	30	25	20	15	10	5
Low	30	633332 /3499.98	633000 /3495	632666 /3489.99	632332 /3484.98	632000 /3480	631666 /3474.99	631332 /3469.98	631000 /3465		630666 /3459.99			
Mid	30	633332 /3499.98	633332 /3499.98	633332 /3499.98	633332 /3499.98	633332 /3499.98	633332 /3499.98	633332 /3499.98	633332 /3499.98		633332 /3499.98			
High	30	633332 /3499.98	633666 /3504.99	633998 /3509.97	634332 /3514.98	634666 /3519.99	634998 /3524.97	635332 /3529.98	635666 /3534.99		635998 /3539.97			
n77	SCS (kHz)	Block C Frequency range: 3700 - 3980 MHz (BW = 280 MHz)												
		Channel Bandwidth (MHz)												
		100	90	80	70	60	50	40	30	25	20	15	10	5
Low	30	649998 /3749.97	649666 /3744.99	649332 /3739.98	648998 /3734.97	648666 /3729.99	648332 /3724.98	647998 /3719.97	647666 /3714.99		647332 /3709.98			
Low -Mid	30	652998 /3794.97	652832 /3792.48	652666 /3789.99	652498 /3787.47	652332 /3784.98	652166 /3782.49	651998 /3779.97	651832 /3777.48		651666 /3774.99			
Mid	30	656000 /3840	656000 /3840	656000 /3840	656000 /3840	656000 /3840	656000 /3840	656000 /3840	656000 /3840		656000 /3840			
Mid-High	30	658998 /3884.97	659166 /3887.49	659332 /3889.98	659498 /3892.47	659666 /3894.99	659832 /3897.48	659998 /3899.97	660166 /3902.49		660332 /3904.98			
High	30	661998 /3929.97	662332 /3934.98	662666 /3939.99	662998 /3944.97	663332 /3949.98	663666 /3954.99	663998 /3959.97	664332 /3964.98		664666 /3969.99			

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

Notes:

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

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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		factor	Head				Body-worn & Hotspot				P_{max} (dBm) Tune-up power table	
Spatial-average			1g				1g					
Test Distance			0 mm				5 mm					
Power Mode (DSI)			Mode A (DSI=0)				Mode B (DSI=1)					
Antenna	Tech/Band		P_{design} (dBm) corresponding to 1.0 W/kg (SAR design target)	P_{limit} (dBm) Tune-up power table	P_{design} (dBm) corresponding to 1.0 W/kg (SAR design target)	P_{limit} (dBm) Tune-up power table	P_{design} (dBm) corresponding to 1.0 W/kg (SAR design target)	P_{limit} (dBm) Tune-up power table	P_{design} (dBm) corresponding to 1.0 W/kg (SAR design target)	P_{limit} (dBm) Tune-up power table		
	Transmit Average		Burst Average		Frame Average		Burst Average		Frame Average		Burst Average	Frame Average
ANT1	GSM 850 2 slots[1]	0.25	38.70	32.50	32.68	26.48	34.40	31.70	28.37	25.68	32.50	26.48
	GSM 1900 2 slots[1]	0.25	37.78	31.00	31.75	24.98	27.22	26.50	21.20	20.48	31.00	24.98
	W-CDMA B2	1	29.80	25.70	29.80	25.70	20.56	20.00	20.56	20.00	25.70	25.70
	W-CDMA B4	1	30.87	24.00	30.87	24.00	17.98	17.80	17.98	17.80	25.70	25.70
	W-CDMA B5	1	31.34	25.70	31.34	25.70	25.96	25.20	25.96	25.20	25.70	25.70
	CDMA BC0	1	28.91	23.50	28.91	23.50	26.37	23.50	26.37	23.50	23.50	23.50
	CDMA BC1	1	29.51	25.70	29.51	25.70	20.41	20.00	20.41	20.00	25.70	25.70
	CDMA BC10	1	30.58	25.70	30.58	25.70	25.95	25.20	25.95	25.20	25.70	25.70
	LTE Band 5	1	32.21	25.70	32.21	25.70	25.80	25.20	25.80	25.20	25.70	25.70
	LTE Band 7	1	25.92	25.70	25.92	25.70	20.50	20.30	20.50	20.30	25.70	25.70
	LTE Band 12/17	1	32.78	25.70	32.78	25.70	27.44	25.70	27.44	25.70	25.70	25.70
	LTE Band 13	1	31.30	25.70	31.30	25.70	26.38	25.70	26.38	25.70	25.70	25.70
	LTE Band 14	1	32.68	25.70	32.68	25.70	26.78	25.70	26.78	25.70	25.70	25.70
	LTE Band 25/2	1	29.74	25.70	29.74	25.70	20.32	20.00	20.32	20.00	25.70	25.70
	LTE Band 26	1	32.31	25.70	32.31	25.70	25.50	25.20	25.50	25.20	25.70	25.70
	LTE Band 30	1	29.63	25.50	29.63	25.50	20.84	20.20	20.84	20.20	25.70	25.70
	LTE Band 41[1]	0.633	31.70	25.70	29.71	23.71	24.51	24.00	22.52	22.01	25.70	23.71
	LTE Band 66/4	1	29.96	24.00	29.96	24.00	18.27	17.80	18.27	17.80	25.70	25.70
	LTE Band 71	1	33.26	25.70	33.26	25.70	27.20	25.70	27.20	25.70	25.70	25.70
	NR n5	1	33.36	25.70	33.36	25.70	28.98	25.20	28.98	25.20	25.70	25.70
	NR n7	1	26.80	25.70	26.80	25.70	20.60	20.30	20.60	20.30	25.70	25.70
	NR n12	1	35.17	25.70	35.17	25.70	30.25	25.70	30.25	25.70	25.70	25.70
	NR n25/2	1	30.71	25.70	30.71	25.70	20.80	20.00	20.80	20.00	25.70	25.70
	NR n30	1	32.77	25.50	32.77	25.50	21.00	20.20	21.00	20.20	25.70	25.70
	NR n41[1]	1	29.86	23.70	29.86	23.70	22.76	22.00	22.76	22.00	25.70	25.70
	NR n66	1	30.68	24.00	30.68	24.00	18.45	17.80	18.45	17.80	25.70	25.70
	NR n71	1	36.01	25.70	36.01	25.70	30.96	25.70	30.96	25.70	25.70	25.70
ANT2	GSM 850 2 slots[1]	0.25	31.78	31.00	25.76	24.98	33.11	31.00	27.09	24.98	31.00	24.98
	GSM 1900 2 slots[1]	0.25	27.61	27.20	21.59	21.18	28.54	28.20	22.52	22.18	28.50	22.48
	W-CDMA B2	1	21.42	20.70	21.42	20.70	21.99	21.70	21.99	21.70	23.70	23.70
	W-CDMA B4	1	23.70	23.00	23.70	23.00	23.61	23.00	23.61	23.00	23.70	23.70
	W-CDMA B5	1	25.76	24.70	25.76	24.70	28.09	24.70	28.09	24.70	24.70	24.70
	CDMA BC0	1	24.03	23.00	24.03	23.00	25.72	23.00	25.72	23.00	23.00	23.00
	CDMA BC1	1	20.92	20.70	20.92	20.70	21.92	21.70	21.92	21.70	23.70	23.70
	CDMA BC10	1	24.88	24.70	24.88	24.70	28.36	24.70	28.36	24.70	24.70	24.70
	LTE Band 5	1	25.08	24.70	25.08	24.70	28.80	24.70	28.80	24.70	24.70	24.70
	LTE Band 7	1	19.36	19.00	19.36	19.00	19.69	19.50	19.69	19.50	23.20	23.20
	LTE Band 12/17	1	25.71	24.70	25.71	24.70	28.08	24.70	28.08	24.70	24.70	24.70
	LTE Band 13	1	25.86	24.70	25.86	24.70	26.39	24.70	26.39	24.70	24.70	24.70
	LTE Band 14	1	25.57	24.70	25.57	24.70	27.67	24.70	27.67	24.70	24.70	24.70
	LTE Band 25/2	1	21.43	20.70	21.43	20.70	21.92	21.70	21.92	21.70	23.70	23.70
	LTE Band 26	1	24.94	24.70	24.94	24.70	27.77	24.70	27.77	24.70	24.70	24.70
	LTE Band 30	1	19.33	19.00	19.33	19.00	20.53	20.30	20.53	20.30	23.20	23.20
	LTE Band 41[1]	0.633	21.18	20.50	19.19	18.51	21.01	20.50	19.03	18.51	25.00	23.01
	LTE Band 66/4	1	23.32	23.00	23.32	23.00	23.21	23.00	23.21	23.00	23.70	23.70
	LTE Band 71	1	26.41	24.70	26.41	24.70	28.97	24.70	28.97	24.70	24.70	24.70
	NR n5	1	27.13	24.70	27.13	24.70	29.46	24.70	29.46	24.70	24.70	24.70
	NR n7	1	19.31	19.00	19.31	19.00	20.07	19.50	20.07	19.50	23.20	23.20
	NR n12	1	29.47	24.70	29.47	24.70	30.72	24.70	30.72	24.70	24.70	24.70
	NR n25/2	1	22.25	20.70	22.25	20.70	22.24	21.70	22.24	21.70	23.70	23.70
	NR n30	1	19.71	19.00	19.71	19.00	20.84	20.30	20.84	20.30	23.20	23.20
	NR n41[1]	1	20.56	18.50	20.56	18.50	19.59	18.50	19.59	18.50	25.70	25.70
	NR n66	1	24.72	23.00	24.72	23.00	24.00	23.00	24.00	23.00	23.70	23.70
	NR n71	1	28.99	24.70	28.99	24.70	30.31	24.70	30.31	24.70	24.70	24.70

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Exposure Scenario			Head				Body-worn & Hotspot				P_{max} (dBm) Tune-up power table	
Spatial-average			1g				1g					
Test Distance			0 mm				5 mm					
Power Mode (DSI)		factor	Mode A (DSI=0)				Mode B (DSI=1)					
Antenna	Tech/Band		P_{design} (dBm) corresponding to 1.0 W/kg (SAR_design_target)	P_{limit} (dBm) Tune-up power table	P_{design} (dBm) corresponding to 1.0 W/kg (SAR_design_target)	P_{limit} (dBm) Tune-up power table	P_{design} (dBm) corresponding to 1.0 W/kg (SAR_design_target)	P_{limit} (dBm) Tune-up power table	P_{design} (dBm) corresponding to 1.0 W/kg (SAR_design_target)	P_{limit} (dBm) Tune-up power table		
	Transmit Average		Burst Average		Frame Average		Burst Average		Frame Average		Burst Average	Frame Average
ANT3	GSM 1900 2 slots[1]	0.25	36.22	30.50	30.20	24.48	26.81	26.50	20.79	20.48	30.50	24.48
	W-CDMA B2	1	26.22	24.00	26.22	24.00	20.38	20.00	20.38	20.00	25.20	25.20
	W-CDMA B4	1	29.82	25.20	29.82	25.20	22.28	22.00	22.28	22.00	25.20	25.20
	LTE Band 7	1	26.21	22.50	26.21	22.50	18.84	18.50	18.84	18.50	25.20	25.20
	LTE Band 25/2	1	27.92	24.00	27.92	24.00	20.28	20.00	20.28	20.00	25.20	25.20
	LTE Band 30	1	25.32	22.30	25.32	22.30	18.69	18.50	18.69	18.50	22.30	22.30
	LTE Band 41[1]	0.633	28.55	25.50	26.56	23.51	20.58	19.80	18.60	17.81	25.70	23.71
	LTE Band 66/4	1	31.61	25.20	31.61	25.20	22.44	22.00	22.44	22.00	25.20	25.20
	NR n7	1	27.30	22.50	27.30	22.50	18.85	18.50	18.85	18.50	25.20	25.20
	NR n25/2	1	28.16	24.00	28.16	24.00	20.49	20.00	20.49	20.00	25.20	25.20
	NR n30	1	25.97	22.30	25.97	22.30	18.99	18.50	18.99	18.50	22.30	22.30
	NR n41[1]	1	27.06	23.50	27.06	23.50	20.79	17.80	20.79	17.80	24.70	24.70
	NR n66	1	31.44	25.20	31.44	25.20	23.26	22.00	23.26	22.00	25.20	25.20
ANT4	GSM 1900 2 slots[1]	0.25	25.31	25.00	19.28	18.98	26.79	26.30	20.77	20.28	28.00	21.98
	W-CDMA B2	1	18.81	18.50	18.81	18.50	20.06	19.80	20.06	19.80	23.70	23.70
	W-CDMA B4	1	21.28	20.80	21.28	20.80	21.69	21.50	21.69	21.50	23.70	23.70
	LTE Band 7	1	17.98	17.80	17.98	17.80	20.69	20.30	20.69	20.30	23.20	23.20
	LTE Band 25/2	1	18.70	18.50	18.70	18.50	19.99	19.80	19.99	19.80	23.70	23.70
	LTE Band 30	1	19.17	18.50	19.17	18.50	19.71	19.50	19.71	19.50	23.20	23.20
	LTE Band 41[1]	0.633	19.19	19.00	17.20	17.01	22.10	21.00	20.12	19.01	25.00	23.01
	LTE Band 48[1]	0.633	22.72	21.30	20.74	19.31	22.64	22.30	20.66	20.31	22.50	20.51
	LTE Band 66/4	1	21.18	20.80	21.18	20.80	21.88	21.50	21.88	21.50	23.70	23.70
	NR n7	1	18.68	17.80	18.68	17.80	21.01	20.30	21.01	20.30	23.20	23.20
	NR n25/2	1	19.22	18.50	19.22	18.50	20.30	19.80	20.30	19.80	23.70	23.70
	NR n30	1	20.37	18.50	20.37	18.50	20.00	19.50	20.00	19.50	23.20	23.20
	NR n41[1]	1	18.17	17.00	18.17	17.00	20.36	19.00	20.36	19.00	25.70	25.70
	NR n66	1	20.79	20.80	20.79	20.80	22.93	21.50	22.93	21.50	23.70	23.70
	NR n77[1]	1	20.21	19.70	20.21	19.70	18.93	18.50	18.93	18.50	24.00	24.00
ANT7	LTE Band 48[1]	0.633	31.86	25.60	29.87	23.61	22.78	22.50	20.80	20.51	25.60	23.61
	NR n77[1]	1	28.50	25.70	28.50	25.70	20.47	20.20	20.47	20.20	25.70	25.70
ANT8	LTE Band 48[1]	0.633	24.63	23.00	22.64	21.01	23.20	23.00	21.21	21.01	23.00	21.01
	NR n77[1]	1	18.59	17.70	18.59	17.70	19.72	19.20	19.72	19.20	24.50	24.50
ANT9	LTE Band 48[1]	0.633	34.57	25.20	32.59	23.21	24.72	24.50	22.73	22.51	25.20	23.21
	NR n77[1]	1	31.35	25.70	31.35	25.70	19.01	18.70	19.01	18.70	25.70	25.70

Note(s):

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

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

Note(s):

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

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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	5/24/2021	1900	Head	1900	38.60	40.00	-3.50	1.44	1.40	2.79
				1850	38.66	40.00	-3.35	1.41	1.40	0.43
				1920	38.57	40.00	-3.58	1.44	1.40	3.14
A	5/28/2021	1900	Head	1900	38.37	40.00	-4.08	1.40	1.40	-0.07
				1850	38.45	40.00	-3.87	1.37	1.40	-1.93
				1920	38.36	40.00	-4.10	1.41	1.40	0.50
A	6/1/2021	1900	Head	1900	38.04	40.00	-4.90	1.44	1.40	3.00
				1850	38.16	40.00	-4.60	1.42	1.40	1.21
				1920	38.00	40.00	-5.00	1.45	1.40	3.43
A	6/5/2021	1900	Head	1900	38.96	40.00	-2.60	1.45	1.40	3.79
				1850	39.02	40.00	-2.45	1.43	1.40	1.86
				1920	38.94	40.00	-2.65	1.47	1.40	4.64
A	6/9/2021	1900	Head	1900	39.87	40.00	-0.33	1.45	1.40	3.64
				1850	39.99	40.00	-0.02	1.42	1.40	1.50
				1920	39.81	40.00	-0.47	1.46	1.40	4.14
A	6/13/2021	1900	Head	1900	39.90	40.00	-0.25	1.45	1.40	3.43
				1850	39.99	40.00	-0.02	1.42	1.40	1.57
				1920	39.91	40.00	-0.23	1.46	1.40	3.93
A	6/16/2021	2600	Head	2600	38.26	39.01	-1.92	1.95	1.96	-0.67
				2495	38.46	39.14	-1.75	1.88	1.85	1.70
				2690	38.01	38.90	-2.28	2.02	2.06	-1.82
A	6/20/2021	2600	Head	2600	37.50	39.01	-3.87	1.90	1.96	-3.07
				2495	37.66	39.14	-3.79	1.83	1.85	-1.06
				2690	37.34	38.90	-4.00	1.97	2.06	-4.20
A	6/21/2021	1900	Head	1900	38.89	40.00	-2.78	1.40	1.40	0.00
				1850	38.92	40.00	-2.70	1.37	1.40	-2.29
				1920	38.89	40.00	-2.78	1.40	1.40	0.00

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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	5/24/2021	1750	Head	1750	39.53	40.08	-1.38	1.32	1.37	-3.58
				1710	39.65	40.15	-1.24	1.28	1.35	-4.64
				1755	39.52	40.08	-1.39	1.33	1.37	-3.34
B	5/28/2021	1750	Head	1750	40.76	40.08	1.68	1.33	1.37	-3.07
				1710	40.75	40.15	1.50	1.31	1.35	-3.00
				1755	40.76	40.08	1.70	1.33	1.37	-2.97
B	6/1/2021	1750	Head	1750	39.17	40.08	-2.28	1.40	1.37	2.56
				1710	39.02	40.15	-2.81	1.38	1.35	2.64
				1755	39.18	40.08	-2.24	1.41	1.37	2.49
B	6/5/2021	1750	Head	1750	38.60	40.08	-3.70	1.31	1.37	-4.38
				1710	38.58	40.15	-3.90	1.30	1.35	-3.45
				1755	38.59	40.08	-3.71	1.31	1.37	-4.43
B	6/9/2021	1750	Head	1750	41.80	40.08	4.28	1.41	1.37	3.14
				1710	41.87	40.15	4.29	1.41	1.35	4.87
				1755	41.79	40.08	4.27	1.42	1.37	3.15
B	6/13/2021	1750	Head	1750	39.30	40.08	-1.96	1.40	1.37	2.56
				1710	39.31	40.15	-2.08	1.37	1.35	1.68
				1755	39.29	40.08	-1.96	1.41	1.37	2.79
B	6/15/2021	2600	Head	2600	38.56	39.01	-1.16	1.94	1.96	-1.18
				2495	38.66	39.14	-1.23	1.86	1.85	0.34
				2690	38.56	38.90	-0.87	1.99	2.06	-3.42
B	6/17/2021	1750	Head	1750	41.43	40.08	3.36	1.43	1.37	4.60
				1710	41.46	40.15	3.27	1.39	1.35	3.46
				1755	41.44	40.08	3.40	1.44	1.37	4.68
B	6/21/2021	1750	Head	1750	38.31	40.08	-4.43	1.35	1.37	-1.53
				1710	38.39	40.15	-4.37	1.33	1.35	-1.44
				1755	38.30	40.08	-4.43	1.35	1.37	-1.52
B	7/14/2021	1750	Head	1750	39.23	40.08	-2.13	1.36	1.37	-1.02
				1710	39.35	40.15	-1.98	1.33	1.35	-1.37
				1755	39.26	40.08	-2.04	1.36	1.37	-0.93

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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	5/24/2021	1900	Head	1900	39.29	40.00	-1.78	1.42	1.40	1.71
				1850	39.35	40.00	-1.63	1.39	1.40	-0.43
				1920	39.28	40.00	-1.80	1.43	1.40	2.21
C	5/28/2021	1900	Head	1900	39.51	40.00	-1.23	1.43	1.40	2.29
				1850	39.53	40.00	-1.18	1.40	1.40	0.29
				1920	39.49	40.00	-1.28	1.44	1.40	2.71
C	6/1/2021	1900	Head	1900	41.60	40.00	4.00	1.40	1.40	-0.07
				1850	41.70	40.00	4.25	1.37	1.40	-2.36
				1920	41.55	40.00	3.87	1.41	1.40	0.36
C	6/5/2021	1900	Head	1900	39.53	40.00	-1.18	1.45	1.40	3.50
				1850	39.65	40.00	-0.88	1.42	1.40	1.43
				1920	39.48	40.00	-1.30	1.46	1.40	4.14
C	6/9/2021	1900	Head	1900	39.40	40.00	-1.50	1.44	1.40	2.71
				1850	39.95	40.00	-0.12	1.36	1.40	-2.93
				1920	39.26	40.00	-1.85	1.47	1.40	4.93
C	6/13/2021	1900	Head	1900	38.44	40.00	-3.90	1.44	1.40	3.14
				1850	38.46	40.00	-3.85	1.42	1.40	1.71
				1920	38.40	40.00	-4.00	1.45	1.40	3.57
C	6/14/2021	835	Head	835	40.87	41.50	-1.52	0.91	0.90	0.81
				805	40.99	41.68	-1.65	0.90	0.90	-0.13
				850	40.80	41.50	-1.69	0.91	0.92	-0.55
C	6/16/2021	1900	Head	1900	39.40	40.00	-1.50	1.46	1.40	4.00
				1850	39.03	40.00	-2.43	1.39	1.40	-1.07
				1920	39.60	40.00	-1.00	1.45	1.40	3.57
C	6/20/2021	1900	Head	1900	38.27	40.00	-4.32	1.43	1.40	2.43
				1850	38.34	40.00	-4.15	1.41	1.40	0.57
				1920	38.22	40.00	-4.45	1.44	1.40	2.71
C	7/6/2021	1900	Head	1900	38.23	40.00	-4.43	1.41	1.40	0.71
				1850	38.42	40.00	-3.95	1.38	1.40	-1.57
				1920	38.19	40.00	-4.53	1.43	1.40	2.14
C	7/14/2021	1900	Head	1900	39.81	40.00	-0.47	1.43	1.40	2.07
				1850	40.02	40.00	0.05	1.36	1.40	-3.21
				1920	39.80	40.00	-0.50	1.45	1.40	3.86

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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	5/28/2021	2300	Head	2300	38.42	39.47	-2.67	1.65	1.66	-0.59
				2350	38.32	39.38	-2.70	1.70	1.71	-0.74
				2400	38.22	39.30	-2.74	1.73	1.75	-1.01
D	5/29/2021	1750	Head	1750	40.43	40.08	0.86	1.38	1.37	0.88
				1710	40.46	40.15	0.78	1.35	1.35	0.56
				1755	40.42	40.08	0.86	1.39	1.37	1.04
D	6/1/2021	2300	Head	2300	39.93	39.47	1.16	1.70	1.66	2.12
				2350	39.75	39.38	0.93	1.75	1.71	2.24
				2400	39.65	39.30	0.90	1.80	1.75	2.59
D	6/5/2021	2300	Head	2300	37.92	39.47	-3.93	1.73	1.66	3.74
				2350	37.94	39.38	-3.67	1.77	1.71	3.82
				2400	38.09	39.30	-3.07	1.84	1.75	4.76
D	6/7/2021	2600	Head	2600	37.59	39.01	-3.64	2.03	1.96	3.25
				2495	37.80	39.14	-3.43	1.93	1.85	4.18
				2690	37.53	38.90	-3.52	2.10	2.06	2.07
D	6/8/2021	1900	Head	1900	39.46	40.00	-1.35	1.42	1.40	1.29
				1850	39.45	40.00	-1.37	1.39	1.40	-0.43
				1920	39.49	40.00	-1.28	1.43	1.40	1.93
D	6/9/2021	2300	Head	2300	40.12	39.47	1.64	1.64	1.66	-1.25
				2350	39.92	39.38	1.36	1.65	1.71	-3.20
				2400	40.09	39.30	2.02	1.72	1.75	-2.04
D	6/12/2021	2600	Head	2600	40.30	39.01	3.30	2.03	1.96	3.51
				2495	40.41	39.14	3.24	1.94	1.85	4.83
				2690	40.12	38.90	3.14	2.13	2.06	3.23
D	6/14/2021	2300	Head	2300	40.71	39.47	3.14	1.72	1.66	3.26
				2350	40.60	39.38	3.09	1.76	1.71	3.24
				2400	40.51	39.30	3.09	1.80	1.75	2.99
D	6/16/2021	2300	Head	2300	38.04	39.47	-3.63	1.67	1.66	0.50
				2350	37.42	39.38	-4.99	1.70	1.71	-0.45
				2400	37.74	39.30	-3.96	1.78	1.75	1.33
D	6/18/2021	2450	Head	2450	38.92	39.20	-0.71	1.83	1.80	1.39
				2400	38.95	39.30	-0.88	1.79	1.75	2.42
				2535	38.83	39.09	-0.67	1.89	1.89	-0.21
D	6/20/2021	2300	Head	2300	38.39	39.47	-2.74	1.66	1.66	-0.34
				2350	38.26	39.38	-2.86	1.72	1.71	0.55
				2400	38.18	39.30	-2.84	1.77	1.75	0.93
D	6/22/2021	2600	Head	2600	39.63	39.01	1.59	1.96	1.96	-0.31
				2495	39.82	39.14	1.73	1.85	1.85	0.13
				2690	39.95	38.90	2.71	2.04	2.06	-0.80
D	7/10/2021	2300	Head	2300	38.87	39.47	-1.53	1.74	1.66	4.70
				2350	38.79	39.38	-1.51	1.78	1.71	4.23
				2400	38.70	39.30	-1.52	1.82	1.75	3.62
D	7/14/2021	2300	Head	2300	40.65	39.47	2.98	1.64	1.66	-1.73
				2350	40.47	39.38	2.76	1.69	1.71	-1.15
				2400	40.43	39.30	2.88	1.72	1.75	-2.04

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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	5/24/2021	2450	Head	2450	39.44	39.20	0.61	1.87	1.80	3.61
				2400	39.64	39.30	0.87	1.78	1.75	1.33
				2480	39.44	39.16	0.71	1.87	1.83	2.00
E	5/28/2021	2450	Head	2450	37.51	39.20	-4.31	1.89	1.80	4.94
				2400	37.71	39.30	-4.04	1.83	1.75	4.59
				2480	37.39	39.16	-4.53	1.91	1.83	4.12
E	6/1/2021	2450	Head	2450	37.45	39.20	-4.46	1.86	1.80	3.22
				2400	37.62	39.30	-4.27	1.80	1.75	2.59
				2480	37.33	39.16	-4.68	1.88	1.83	2.65
E	6/5/2021	2450	Head	2450	37.74	39.20	-3.72	1.88	1.80	4.17
				2400	37.96	39.30	-3.40	1.82	1.75	4.02
				2480	37.60	39.16	-3.99	1.90	1.83	3.85
E	6/8/2021	2450	Head	2450	40.52	39.20	3.37	1.84	1.80	2.44
				2400	40.86	39.30	3.98	1.78	1.75	1.73
				2480	40.37	39.16	3.08	1.87	1.83	2.16
E	6/12/2021	2450	Head	2450	37.66	39.20	-3.93	1.85	1.80	2.50
				2400	37.83	39.30	-3.73	1.79	1.75	1.90
				2480	37.48	39.16	-4.30	1.87	1.83	2.00
E	6/16/2021	2450	Head	2450	37.73	39.20	-3.75	1.84	1.80	2.44
				2400	37.88	39.30	-3.61	1.79	1.75	2.08
				2480	37.57	39.16	-4.07	1.87	1.83	1.94
E	6/20/2021	2450	Head	2450	37.58	39.20	-4.13	1.81	1.81	0.00
				2400	37.51	39.30	-4.55	1.76	1.75	0.25
				2480	37.46	39.16	-4.35	1.82	1.83	-0.46
E	7/6/2021	2450	Head	2450	40.27	39.20	2.73	1.88	1.80	4.28
				2400	40.40	39.30	2.81	1.81	1.75	3.39
				2480	40.13	39.16	2.47	1.90	1.83	3.63

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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	5/24/2021	5250	Head	5250	36.54	35.93	1.69	4.62	4.70	-1.85
				5150	36.77	36.05	2.01	4.43	4.60	-3.69
				5350	36.56	35.82	2.07	4.62	4.80	-3.84
F	5/28/2021	5250	Head	5250	37.42	35.93	4.14	4.82	4.70	2.46
				5150	37.56	36.05	4.20	4.75	4.60	3.26
				5350	37.03	35.82	3.38	4.87	4.80	1.41
F	6/1/2021	5250	Head	5250	36.12	35.93	0.52	4.58	4.70	-2.70
				5150	36.14	36.05	0.26	4.41	4.60	-4.24
				5350	35.80	35.82	-0.05	4.59	4.80	-4.42
F	6/5/2021	5250	Head	5250	36.86	35.93	2.58	4.56	4.70	-3.09
				5150	37.17	36.05	3.11	4.44	4.60	-3.47
				5350	36.64	35.82	2.29	4.64	4.80	-3.53
F	6/5/2021	5600	Head	5600	36.49	35.53	2.69	4.84	5.06	-4.45
				5500	36.53	35.65	2.47	4.80	4.96	-3.23
				5725	36.40	35.39	2.85	4.98	5.19	-3.93
F	6/5/2021	5750	Head	5750	36.39	35.36	2.90	5.01	5.21	-3.89
				5700	36.42	35.42	2.82	4.95	5.16	-4.08
				5850	36.33	35.30	2.92	5.12	5.27	-2.90
F	6/9/2021	5250	Head	5250	36.69	35.93	2.11	4.85	4.70	3.10
				5150	36.86	36.05	2.25	4.71	4.60	2.48
				5350	36.89	35.82	2.99	4.87	4.80	1.39
F	6/9/2021	5600	Head	5600	36.68	35.53	3.23	5.04	5.06	-0.48
				5500	36.48	35.65	2.33	5.00	4.96	0.75
				5725	36.26	35.39	2.45	5.13	5.19	-1.18
F	6/9/2021	5750	Head	5750	36.17	35.36	2.28	5.16	5.21	-1.09
				5700	36.35	35.42	2.63	5.11	5.16	-1.06
				5850	36.20	35.30	2.55	5.24	5.27	-0.53
F	6/13/2021	5250	Head	5250	35.73	35.93	-0.57	4.54	4.70	-3.51
				5150	36.19	36.05	0.40	4.43	4.60	-3.76
				5350	35.32	35.82	-1.39	4.62	4.80	-3.94
F	6/13/2021	5600	Head	5600	34.89	35.53	-1.81	4.86	5.06	-4.04
				5500	34.95	35.65	-1.96	4.74	4.96	-4.40
				5725	35.04	35.39	-0.99	5.03	5.19	-3.14
F	6/13/2021	5750	Head	5750	35.09	35.36	-0.77	5.06	5.21	-2.95
				5700	35.03	35.42	-1.10	4.99	5.16	-3.28
				5850	35.42	35.30	0.34	5.19	5.27	-1.61

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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	6/17/2021	5250	Head	5250	36.58	35.93	1.80	4.88	4.70	3.70
				5150	36.70	36.05	1.81	4.83	4.60	4.94
				5350	36.54	35.82	2.01	4.99	4.80	3.82
F	6/17/2021	5600	Head	5600	36.17	35.53	1.79	5.19	5.06	2.52
				5500	36.27	35.65	1.74	5.11	4.96	3.11
				5725	36.04	35.39	1.83	5.34	5.19	2.83
F	6/17/2021	5750	Head	5750	36.01	35.36	1.83	5.34	5.21	2.50
				5700	36.07	35.42	1.84	5.31	5.16	2.89
				5850	36.17	35.30	2.46	5.48	5.27	3.89
F	6/21/2021	5250	Head	5250	37.60	35.93	4.64	4.49	4.70	-4.62
				5150	37.75	36.05	4.72	4.39	4.60	-4.54
				5350	37.46	35.82	4.58	4.58	4.80	-4.59
F	6/21/2021	5600	Head	5600	37.13	35.53	4.49	4.83	5.06	-4.47
				5500	37.29	35.65	4.61	4.72	4.96	-4.74
				5725	36.94	35.39	4.38	4.99	5.19	-3.78
F	6/21/2021	5750	Head	5750	36.93	35.36	4.43	5.01	5.21	-3.83
				5700	37.00	35.42	4.46	4.95	5.16	-4.08
				5850	36.78	35.30	4.19	5.12	5.27	-2.79
F	7/6/2021	5250	Head	5250	35.63	35.93	-0.84	4.69	4.70	-0.17
				5150	35.80	36.05	-0.69	4.50	4.60	-2.10
				5350	35.79	35.82	-0.08	4.87	4.80	1.30

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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	5/25/2021	5600	Head	5600	34.37	35.53	-3.28	4.92	5.06	-2.69
				5500	34.54	35.65	-3.11	4.84	4.96	-2.44
				5725	34.04	35.39	-3.82	5.12	5.19	-1.31
G	5/29/2021	5600	Head	5600	36.31	35.53	2.18	4.88	5.06	-3.58
				5500	36.60	35.65	2.67	4.75	4.96	-4.23
				5725	36.05	35.39	1.86	5.08	5.19	-2.01
G	6/2/2021	5600	Head	5600	35.87	35.53	0.95	4.94	5.06	-2.40
				5500	36.26	35.65	1.72	4.83	4.96	-2.66
				5725	35.51	35.39	0.34	5.07	5.19	-2.19
G	6/6/2021	5250	Head	5250	35.68	35.93	-0.70	4.76	4.70	1.15
				5150	35.72	36.05	-0.91	4.65	4.60	1.11
				5350	35.27	35.82	-1.53	4.85	4.80	0.89
G	6/6/2021	5600	Head	5600	34.65	35.53	-2.49	5.10	5.06	0.81
				5500	35.07	35.65	-1.62	5.02	4.96	1.21
				5725	34.36	35.39	-2.91	5.29	5.19	2.02
G	6/6/2021	5750	Head	5750	34.43	35.36	-2.64	5.35	5.21	2.59
				5700	34.41	35.42	-2.85	5.22	5.16	1.15
				5850	34.28	35.30	-2.89	5.43	5.27	3.06
G	6/10/2021	5250	Head	5250	35.53	35.93	-1.12	4.58	4.70	-2.68
				5150	35.55	36.05	-1.38	4.47	4.60	-2.74
				5350	35.37	35.82	-1.25	4.66	4.80	-2.92
G	6/10/2021	5600	Head	5600	35.07	35.53	-1.31	4.83	5.06	-4.57
				5500	35.13	35.65	-1.45	4.76	4.96	-4.07
				5725	34.84	35.39	-1.56	4.96	5.19	-4.40
G	6/10/2021	5750	Head	5750	34.75	35.36	-1.73	4.97	5.21	-4.75
				5700	34.82	35.42	-1.69	4.94	5.16	-4.25
				5850	34.53	35.30	-2.18	5.07	5.27	-3.87
G	6/10/2021	2450	Head	2450	38.07	39.20	-2.88	1.83	1.80	1.44
				2400	38.11	39.30	-3.02	1.78	1.75	1.79
				2535	37.90	39.09	-3.05	1.88	1.89	-0.58
G	6/14/2021	2450	Head	2450	38.57	39.20	-1.61	1.86	1.80	3.33
				2400	38.55	39.30	-1.90	1.83	1.75	4.30
				2535	38.42	39.09	-1.72	1.91	1.89	0.96
G	6/14/2021	5250	Head	5250	34.88	35.93	-2.93	4.67	4.70	-0.60
				5150	35.02	36.05	-2.85	4.55	4.60	-1.13
				5350	34.80	35.82	-2.85	4.73	4.80	-1.51
G	6/14/2021	5600	Head	5600	34.26	35.53	-3.58	4.97	5.06	-1.88
				5500	34.43	35.65	-3.42	4.86	4.96	-1.91
				5725	34.07	35.39	-3.73	5.08	5.19	-2.07
G	6/14/2021	5750	Head	5750	33.99	35.36	-3.88	5.10	5.21	-2.22
				5700	34.18	35.42	-3.50	5.06	5.16	-2.08
				5850	33.92	35.30	-3.91	5.23	5.27	-0.85

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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	6/18/2021	5250	Head	5250	35.97	35.93	0.10	4.52	4.70	-3.87
				5150	36.08	36.05	0.09	4.40	4.60	-4.32
				5350	35.83	35.82	0.03	4.63	4.80	-3.61
G	6/18/2021	5600	Head	5600	35.47	35.53	-0.18	4.87	5.06	-3.78
				5500	35.49	35.65	-0.44	4.82	4.96	-2.74
				5725	35.26	35.39	-0.37	5.01	5.19	-3.38
G	6/18/2021	5750	Head	5750	35.16	35.36	-0.57	5.04	5.21	-3.41
				5700	35.30	35.42	-0.34	4.99	5.16	-3.28
				5850	35.00	35.30	-0.85	5.15	5.27	-2.24
G	6/22/2021	5250	Head	5250	35.41	35.93	-1.46	4.86	4.70	3.27
				5150	35.62	36.05	-1.19	4.73	4.60	2.74
				5350	35.43	35.82	-1.09	4.91	4.80	2.22
G	6/22/2021	5600	Head	5600	34.90	35.53	-1.78	5.13	5.06	1.44
				5500	35.15	35.65	-1.40	5.04	4.96	1.55
				5725	34.62	35.39	-2.18	5.32	5.19	2.50
G	6/22/2021	5750	Head	5750	34.62	35.36	-2.10	5.36	5.21	2.71
				5700	34.60	35.42	-2.31	5.27	5.16	2.02
				5850	34.31	35.30	-2.80	5.44	5.27	3.19
G	7/6/2021	5600	Head	5600	34.83	35.53	-1.98	5.07	5.06	0.19
				5500	35.43	35.65	-0.61	5.13	4.96	3.51
				5725	33.71	35.39	-4.75	5.10	5.19	-1.70

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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	5/25/2021	5800	Head	5800	36.43	35.30	3.20	5.08	5.27	-3.61
				5700	36.62	35.42	3.39	4.97	5.16	-3.83
				5850	36.41	35.30	3.14	5.13	5.27	-2.71
H	5/29/2021	5750	Head	5750	36.90	35.36	4.35	5.04	5.21	-3.26
				5700	37.02	35.42	4.52	4.98	5.16	-3.50
				5850	36.61	35.30	3.71	5.21	5.27	-1.12
H	6/2/2021	5750	Head	5750	35.67	35.36	0.87	5.11	5.21	-2.09
				5700	35.81	35.42	1.10	5.04	5.16	-2.43
				5850	35.39	35.30	0.25	5.25	5.27	-0.30
H	6/3/2021	2450	Head	2450	38.61	39.20	-1.51	1.86	1.80	3.44
				2400	38.66	39.30	-1.62	1.83	1.75	4.59
				2480	38.53	39.16	-1.61	1.88	1.83	2.65
H	6/7/2021	2450	Head	2450	37.29	39.20	-4.87	1.88	1.80	4.33
				2400	37.97	39.30	-3.38	1.82	1.75	4.02
				2480	37.24	39.16	-4.91	1.89	1.83	3.36
H	6/11/2021	2450	Head	2450	38.89	39.20	-0.79	1.84	1.80	2.28
				2400	38.96	39.30	-0.86	1.74	1.75	-0.44
				2480	39.00	39.16	-0.41	1.87	1.83	1.83
H	6/15/2021	2450	Head	2450	39.57	39.20	0.94	1.85	1.80	2.94
				2400	39.91	39.30	1.56	1.82	1.75	4.07
				2480	39.54	39.16	0.96	1.87	1.83	2.05
H	6/15/2021	5250	Head	5250	34.79	35.93	-3.18	4.66	4.70	-0.81
				5150	34.99	36.05	-2.93	4.54	4.60	-1.32
				5350	34.74	35.82	-3.01	4.77	4.80	-0.63
H	6/15/2021	5600	Head	5600	34.17	35.53	-3.84	4.98	5.06	-1.57
				5500	34.44	35.65	-3.39	4.89	4.96	-1.43
				5725	33.94	35.39	-4.10	5.12	5.19	-1.27
H	6/15/2021	5800	Head	5800	33.88	35.30	-4.02	5.19	5.27	-1.52
				5700	33.98	35.42	-4.06	5.10	5.16	-1.29
				5850	33.75	35.30	-4.39	5.24	5.27	-0.49
H	6/19/2021	2450	Head	2450	37.78	39.20	-3.62	1.75	1.80	-2.83
				2400	37.73	39.30	-3.99	1.77	1.75	0.82
				2480	37.67	39.16	-3.81	1.77	1.83	-3.57
H	6/22/2021	5750	Head	5750	35.19	35.36	-0.49	4.99	5.21	-4.37
				5700	35.25	35.42	-0.48	4.93	5.16	-4.47
				5850	34.95	35.30	-0.99	5.10	5.27	-3.17
H	6/23/2021	2450	Head	2450	38.43	39.20	-1.96	1.84	1.80	2.22
				2400	38.20	39.30	-2.79	1.80	1.75	2.76
				2480	38.50	39.12	-1.69	1.85	1.83	0.96
H	7/6/2021	5750	Head	5750	36.34	35.36	2.76	5.30	5.21	1.69
				5700	36.24	35.42	2.32	5.28	5.16	2.18
				5850	36.69	35.30	3.94	5.45	5.27	3.49

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
1	7/6/2021	2600	Head	2600	37.94	39.01	-2.74	1.93	1.96	-1.49
				2495	38.08	39.14	-2.72	1.85	1.85	0.18
				2690	37.80	38.90	-2.82	2.01	2.06	-2.35
2	5/24/2021	2600	Head	2600	38.89	39.01	-0.31	1.90	1.96	-2.96
				2495	39.04	39.14	-0.26	1.81	1.85	-2.09
				2690	38.82	38.90	-0.20	1.98	2.06	-3.96
2	5/28/2021	2600	Head	2600	40.02	39.01	2.59	1.93	1.96	-1.89
				2495	40.15	39.14	2.57	1.83	1.85	-1.01
				2690	39.86	38.90	2.47	2.00	2.06	-2.89
2	6/7/2021	2600	Head	2600	38.46	39.01	-1.41	1.95	1.96	-0.72
				2495	38.60	39.14	-1.39	1.86	1.85	0.83
				2690	38.23	38.90	-1.72	2.02	2.06	-2.06
2	6/11/2021	2600	Head	2600	40.26	39.01	3.20	1.97	1.96	0.30
				2495	40.41	39.14	3.24	1.87	1.85	1.37
				2690	40.04	38.90	2.94	2.04	2.06	-0.85
3	6/10/2021	3500	Head	3500	39.64	37.93	4.51	3.01	2.91	3.41
				3400	39.91	38.04	4.91	2.94	2.81	4.65
				3600	39.41	37.82	4.22	3.10	3.01	2.76
3	6/10/2021	3700	Head	3700	39.31	37.70	4.27	3.22	3.12	3.27
				3500	39.64	37.93	4.51	3.01	2.91	3.41
				3600	39.41	37.82	4.22	3.10	3.01	2.76
3	6/14/2021	3500	Head	3500	38.11	37.93	0.48	2.77	2.91	-4.83
				3400	38.28	38.04	0.62	2.68	2.81	-4.46
				3600	37.97	37.82	0.41	2.87	3.01	-4.87

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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	5/26/2021	3500	Head	3500	37.47	37.93	-1.21	2.81	2.91	-3.49
				3400	37.62	38.04	-1.11	2.71	2.81	-3.39
				3600	37.26	37.82	-1.47	2.90	3.01	-3.78
4	5/26/2021	3700	Head	3700	37.14	37.70	-1.49	3.00	3.12	-3.70
				3500	37.47	37.93	-1.21	2.81	2.91	-3.49
				3600	37.26	37.82	-1.47	2.90	3.01	-3.78
4	5/30/2021	3500	Head	3500	37.85	37.93	-0.21	2.78	2.91	-4.59
				3400	38.00	38.04	-0.11	2.71	2.81	-3.64
				3600	37.65	37.82	-0.44	2.89	3.01	-4.08
4	5/30/2021	3700	Head	3700	37.57	37.70	-0.36	3.02	3.12	-2.96
				3500	37.85	37.93	-0.21	2.78	2.91	-4.59
				3600	37.65	37.82	-0.44	2.89	3.01	-4.08
4	6/2/2021	3500	Head	3500	37.32	37.93	-1.61	2.90	2.91	-0.47
				3400	37.70	38.04	-0.90	2.75	2.81	-1.97
				3600	37.10	37.82	-1.89	2.93	3.01	-2.82
4	6/2/2021	3700	Head	3700	36.85	37.70	-2.26	3.01	3.12	-3.57
				3500	37.32	37.93	-1.61	2.90	2.91	-0.47
				3600	37.10	37.82	-1.89	2.93	3.01	-2.82
4	6/5/2021	3900	Head	3900	38.57	37.47	2.93	3.29	3.32	-0.99
				3700	38.76	37.70	2.81	3.09	3.12	-0.84
				4000	38.39	37.36	2.76	3.47	3.42	1.43
4	6/7/2021	3500	Head	3500	37.81	37.93	-0.32	2.85	2.91	-2.25
				3400	37.87	38.04	-0.46	2.76	2.81	-1.93
				3600	37.61	37.82	-0.54	2.92	3.01	-3.08
4	6/7/2021	3700	Head	3600	37.61	37.82	-0.54	2.92	3.01	-3.08
				3500	37.81	37.93	-0.32	2.85	2.91	-2.25
				3700	37.43	37.70	-0.72	3.02	3.12	-3.02
4	6/9/2021	3500	Head	3500	39.31	37.93	3.64	2.94	2.91	0.91
				3400	39.56	38.04	3.99	2.86	2.81	1.95
				3600	39.06	37.82	3.29	3.03	3.01	0.67
4	6/9/2021	3700	Head	3700	39.02	37.70	3.50	3.15	3.12	1.02
				3500	39.31	37.93	3.64	2.94	2.91	0.91
				3600	39.06	37.82	3.29	3.03	3.01	0.67
4	6/9/2021	3900	Head	3900	38.70	37.47	3.27	3.35	3.32	1.00
				3700	39.02	37.70	3.50	3.15	3.12	1.02
				4000	38.36	37.36	2.68	3.47	3.42	1.46

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					Measured	Target	Delta (%)	Measured	Target	Delta (%)
4	6/13/2021	3500	Head	3500	39.60	37.93	4.40	2.81	2.91	-3.49
				3400	39.91	38.04	4.91	2.74	2.81	-2.50
				3600	39.26	37.82	3.82	2.90	3.01	-3.68
4	6/13/2021	3900	Head	3700	38.95	37.70	3.31	3.01	3.12	-3.44
				3900	38.58	37.47	2.95	3.22	3.32	-2.98
				3600	39.26	37.82	3.82	2.90	3.01	-3.68
4	6/16/2021	3500	Head	3500	39.46	37.93	4.03	2.78	2.91	-4.49
				3400	39.70	38.04	4.35	2.70	2.81	-4.07
				3600	39.20	37.82	3.66	2.87	3.01	-4.71
4	6/16/2021	3700	Head	3700	38.92	37.70	3.23	2.97	3.12	-4.79
				3500	39.46	37.93	4.03	2.78	2.91	-4.49
				3600	39.20	37.82	3.66	2.87	3.01	-4.71
4	6/20/2021	3500	Head	3500	37.05	37.93	-2.32	2.84	2.91	-2.56
				3400	37.29	38.04	-1.98	2.77	2.81	-1.40
				3600	36.90	37.82	-2.42	2.93	3.01	-2.75
4	6/20/2021	3700	Head	3700	36.74	37.70	-2.55	3.03	3.12	-2.86
				3500	37.05	37.93	-2.32	2.84	2.91	-2.56
				3600	36.90	37.82	-2.42	2.93	3.01	-2.75
4	6/24/2021	3500	Head	3500	38.73	37.93	2.11	2.79	2.91	-4.07
				3400	38.96	38.04	2.41	2.69	2.81	-4.10
				3600	38.67	37.82	2.26	2.92	3.01	-3.18
4	6/24/2021	3700	Head	3700	38.48	37.70	2.07	3.00	3.12	-3.70
				3500	38.73	37.93	2.11	2.79	2.91	-4.07
				3600	38.67	37.82	2.26	2.92	3.01	-3.18
4	6/28/2021	3500	Head	3500	39.42	37.93	3.93	2.85	2.91	-2.15
				3400	39.58	38.04	4.04	2.75	2.81	-2.00
				3600	39.24	37.82	3.77	2.95	3.01	-2.29
4	6/28/2021	3700	Head	3700	39.07	37.70	3.63	3.04	3.12	-2.35
				3500	39.42	37.93	3.93	2.85	2.91	-2.15
				3600	39.24	37.82	3.77	2.95	3.01	-2.29
4	7/5/2021	3500	Head	3500	38.35	37.93	1.11	2.97	2.91	2.11
				3400	38.79	38.04	1.96	2.93	2.81	4.16
				3600	38.21	37.82	1.04	3.00	3.01	-0.33
4	7/5/2021	3700	Head	3700	37.95	37.70	0.66	3.11	3.12	-0.33
				3500	38.35	37.93	1.11	2.97	2.91	2.11
				3600	38.21	37.82	1.04	3.00	3.01	-0.33

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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	5/29/2021	2600	Head	2600	39.92	39.01	2.33	1.91	1.96	-2.61
				2495	40.07	39.14	2.37	1.82	1.85	-1.82
				2690	39.72	38.90	2.12	1.98	2.06	-3.66
5	6/2/2021	2600	Head	2600	37.49	39.01	-3.90	1.92	1.96	-2.40
				2495	37.56	39.14	-4.04	1.84	1.85	-0.74
				2690	37.26	38.90	-4.21	1.99	2.06	-3.37
5	6/6/2021	2600	Head	2600	37.67	39.01	-3.44	1.91	1.96	-2.56
				2495	37.89	39.14	-3.20	1.81	1.85	-2.20
				2690	37.48	38.90	-3.64	1.98	2.06	-4.05
5	6/10/2021	2600	Head	2600	39.56	39.01	1.41	1.94	1.96	-1.08
				2495	39.74	39.14	1.52	1.83	1.85	-1.01
				2690	39.41	38.90	1.32	2.01	2.06	-2.30
5	6/14/2021	2600	Head	2600	38.81	39.01	-0.51	2.02	1.96	3.10
				2495	39.02	39.14	-0.31	1.91	1.85	3.05
				2690	38.65	38.90	-0.64	2.08	2.06	1.05
5	6/16/2021	2600	Head	2600	38.24	39.01	-1.98	2.01	1.96	2.64
				2495	38.57	39.14	-1.46	1.92	1.85	3.59
				2690	38.04	38.90	-2.20	2.09	2.06	1.39
5	6/20/2021	2600	Head	2600	38.32	39.01	-1.77	1.97	1.96	0.30
				2495	38.45	39.14	-1.77	1.88	1.85	1.43
				2690	38.13	38.90	-1.97	2.04	2.06	-0.75
5	7/6/2021	2600	Head	2600	37.35	39.01	-4.26	1.94	1.96	-1.18
				2495	37.54	39.14	-4.10	1.86	1.85	0.51
				2690	37.22	38.90	-4.31	2.01	2.06	-2.64

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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	5/28/2021	3500	Head	3500	39.35	37.93	3.74	2.81	2.91	-3.42
				3400	39.49	38.04	3.80	2.72	2.81	-3.18
				3600	39.19	37.82	3.63	2.92	3.01	-3.25
6	5/28/2021	3700	Head	3700	39.04	37.70	3.55	3.01	3.12	-3.34
				3500	39.35	37.93	3.74	2.81	2.91	-3.42
				3600	39.19	37.82	3.63	2.92	3.01	-3.25
6	6/1/2021	3500	Head	3500	39.24	37.93	3.45	2.91	2.91	0.08
				3400	39.30	38.04	3.30	2.81	2.81	-0.15
				3600	39.03	37.82	3.21	2.96	3.01	-1.92
6	6/1/2021	3700	Head	3700	38.79	37.70	2.89	3.07	3.12	-1.64
				3500	39.24	37.93	3.45	2.91	2.91	0.08
				3600	39.03	37.82	3.21	2.96	3.01	-1.92
6	6/3/2021	3900	Head	3900	36.40	37.47	-2.86	3.45	3.32	3.95
				3700	36.68	37.70	-2.71	3.15	3.12	1.08
				4000	35.94	37.36	-3.80	3.51	3.42	2.59
6	6/5/2021	3500	Head	3500	38.14	37.93	0.55	2.81	2.91	-3.39
				3400	38.32	38.04	0.73	2.73	2.81	-2.86
				3600	37.96	37.82	0.38	2.90	3.01	-3.71
6	6/5/2021	3900	Head	3900	37.42	37.47	-0.14	3.17	3.32	-4.42
				3700	37.78	37.70	0.21	2.99	3.12	-4.08
				4000	37.72	37.36	0.97	3.26	3.42	-4.65
6	6/9/2021	3500	Head	3500	39.33	37.93	3.69	2.86	2.91	-1.63
				3400	39.53	38.04	3.91	2.78	2.81	-1.04
				3600	39.18	37.82	3.61	2.96	3.01	-1.89
6	6/9/2021	3900	Head	3900	38.61	37.47	3.03	3.28	3.32	-1.26
				3700	38.99	37.70	3.42	3.06	3.12	-1.74
				4000	38.43	37.36	2.87	3.38	3.42	-1.14
6	6/13/2021	3500	Head	3500	36.92	37.93	-2.66	2.90	2.91	-0.36
				3400	37.10	38.04	-2.48	2.81	2.81	0.13
				3600	36.75	37.82	-2.82	2.99	3.01	-0.93
6	6/13/2021	3900	Head	3900	36.18	37.47	-3.45	3.29	3.32	-0.90
				3700	36.59	37.70	-2.95	3.09	3.12	-0.94
				4000	35.94	37.36	-3.80	3.39	3.42	-0.88
6	6/16/2021	3500	Head	3500	38.64	37.93	1.87	2.83	2.91	-2.84
				3400	38.88	38.04	2.20	2.73	2.81	-2.82
				3600	38.38	37.82	1.49	2.92	3.01	-3.05
6	6/16/2021	3700	Head	3700	38.11	37.70	1.08	3.02	3.12	-2.96
				3500	38.64	37.93	1.87	2.83	2.91	-2.84
				3600	38.38	37.82	1.49	2.92	3.01	-3.05
6	6/18/2021	3900	Head	3900	37.04	37.47	-1.16	3.37	3.32	1.39
				3700	37.44	37.70	-0.69	3.16	3.12	1.31
				4000	36.69	37.36	-1.79	3.50	3.42	2.22

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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	6/20/2021	3700	Head	3700	38.51	37.70	2.14	3.16	3.12	1.24
				3500	38.76	37.93	2.19	2.95	2.91	1.28
				3600	38.63	37.82	2.15	3.05	3.01	1.10
6	6/22/2021	3500	Head	3500	38.45	37.93	1.37	2.91	2.91	-0.19
				3400	38.65	38.04	1.59	2.82	2.81	0.28
				3600	38.26	37.82	1.18	2.99	3.01	-0.69
6	6/22/2021	3900	Head	3900	37.74	37.47	0.71	3.32	3.32	0.03
				3700	38.07	37.70	0.98	3.12	3.12	0.06
				4000	37.51	37.36	0.40	3.42	3.42	-0.09
6	7/5/2021	3500	Head	3500	39.62	37.93	4.46	2.88	2.91	-1.22
				3400	39.87	38.04	4.80	2.80	2.81	-0.37
				3600	39.45	37.82	4.32	2.97	3.01	-1.62
6	7/5/2021	3700	Head	3700	39.33	37.70	4.32	3.07	3.12	-1.45
				3500	39.62	37.93	4.46	2.88	2.91	-1.22
				3600	39.45	37.82	4.32	2.97	3.01	-1.62
6	7/5/2021	3900	Head	3900	38.65	37.47	3.14	3.30	3.32	-0.51
				3700	39.33	37.70	4.32	3.07	3.12	-1.45
				4000	38.67	37.36	3.51	3.43	3.42	0.14

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
7	5/24/2021	2600	Head	2600	38.61	39.01	-1.03	1.90	1.96	-3.22
				2495	38.75	39.14	-1.00	1.81	1.85	-1.98
				2690	38.56	38.90	-0.87	1.96	2.06	-4.73
7	5/27/2021	2600	Head	2600	37.39	39.01	-4.15	1.93	1.96	-1.64
				2495	37.56	39.14	-4.04	1.85	1.85	0.07
				2690	37.22	38.90	-4.31	2.02	2.06	-1.96
7	5/31/2021	2600	Head	2600	40.49	39.01	3.79	1.89	1.96	-3.52
				2495	40.64	39.14	3.82	1.80	1.85	-2.90
				2690	40.26	38.90	3.50	1.97	2.06	-4.44
7	6/4/2021	2600	Head	2600	38.29	39.01	-1.85	2.04	1.96	3.92
				2495	38.50	39.14	-1.64	1.94	1.85	4.83
				2690	38.08	38.90	-2.10	2.11	2.06	2.60
7	6/7/2021	2600	Head	2600	37.39	39.01	-4.15	1.91	1.96	-2.45
				2495	37.59	39.14	-3.97	1.80	1.85	-2.47
				2690	37.31	38.90	-4.08	2.00	2.06	-2.94
7	6/11/2021	2600	Head	2600	38.17	39.01	-2.16	1.96	1.96	-0.21
				2495	38.29	39.14	-2.18	1.86	1.85	0.72
				2690	37.98	38.90	-2.36	2.04	2.06	-1.04
7	6/12/2021	3500	Head	3500	37.80	37.93	-0.34	2.87	2.91	-1.43
				3400	37.95	38.04	-0.25	2.79	2.81	-0.54
				3600	37.61	37.82	-0.54	2.95	3.01	-2.05
7	6/16/2021	2600	Head	2600	38.32	39.01	-1.77	1.97	1.96	0.14
				2495	38.43	39.14	-1.82	1.87	1.85	1.37
				2690	38.09	38.90	-2.08	2.06	2.06	-0.22
7	7/6/2021	2600	Head	2600	38.17	39.01	-2.16	1.95	1.96	-0.57
				2495	38.41	39.14	-1.87	1.88	1.85	1.48
				2690	38.04	38.90	-2.20	2.02	2.06	-2.11

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
8	5/26/2021	3500	Head	3500	38.71	37.93	2.06	2.79	2.91	-4.04
				3400	38.87	38.04	2.17	2.70	2.81	-3.75
				3600	38.55	37.82	1.94	2.89	3.01	-4.04
8	5/26/2021	3700	Head	3500	38.71	37.93	2.06	2.79	2.91	-4.04
				3700	38.39	37.70	1.83	2.99	3.12	-4.21
				3600	38.55	37.82	1.94	2.89	3.01	-4.04
8	5/30/2021	3500	Head	3500	39.13	37.93	3.16	2.83	2.91	-2.97
				3400	39.33	38.04	3.38	2.72	2.81	-3.36
				3600	38.96	37.82	3.03	2.93	3.01	-2.92
8	5/30/2021	3700	Head	3700	38.78	37.70	2.86	3.04	3.12	-2.54
				3400	39.33	38.04	3.38	2.72	2.81	-3.36
				3600	38.96	37.82	3.03	2.93	3.01	-2.92
8	6/3/2021	3500	Head	3500	36.27	37.93	-4.38	3.02	2.91	3.69
				3400	36.79	38.04	-3.30	2.94	2.81	4.69
				3600	36.19	37.82	-4.30	3.08	3.01	2.23
8	6/3/2021	3700	Head	3700	36.36	37.70	-3.56	3.13	3.12	0.54
				3400	36.79	38.04	-3.30	2.72	2.81	-3.18
				3600	36.19	37.82	-4.30	3.08	3.01	2.19
8	6/7/2021	3500	Head	3500	37.89	37.93	-0.10	2.87	2.91	-1.57
				3400	38.26	38.04	0.57	2.81	2.81	0.06
				3600	37.72	37.82	-0.25	2.95	3.01	-1.99
8	6/7/2021	3700	Head	3500	37.89	37.93	-0.10	2.87	2.91	-1.43
				3600	37.72	37.82	-0.25	2.95	3.01	-1.99
				3700	37.65	37.70	-0.14	3.11	3.12	-0.10
8	6/7/2021	3900	Head	3800	37.23	37.59	-0.95	3.19	3.22	-0.95
				3900	37.19	37.47	-0.76	3.31	3.32	-0.42
				4000	36.75	37.36	-1.62	3.47	3.42	1.46
8	6/11/2021	3500	Head	3500	37.26	37.93	-1.77	2.85	2.91	-1.98
				3400	37.40	38.04	-1.69	2.77	2.81	-1.54
				3600	37.07	37.82	-1.97	2.94	3.01	-2.52
8	6/11/2021	3700	Head	3600	37.07	37.82	-1.97	2.94	3.01	-2.52
				3500	37.26	37.93	-1.77	2.85	2.91	-1.98
				3700	36.99	37.70	-1.89	3.04	3.12	-2.41
8	6/15/2021	3500	Head	3500	37.88	37.93	-0.13	2.85	2.91	-2.29
				3400	38.08	38.04	0.10	2.76	2.81	-1.61
				3600	37.66	37.82	-0.41	2.95	3.01	-2.25
8	6/15/2021	3700	Head	3500	37.88	37.93	-0.13	2.85	2.91	-2.29
				3600	37.66	37.82	-0.41	2.95	3.01	-2.25
				3700	37.45	37.70	-0.67	3.06	3.12	-1.93
8	6/19/2021	3500	Head	3500	36.70	37.93	-3.24	2.83	2.91	-2.91
				3400	36.83	38.04	-3.19	2.74	2.81	-2.39
				3600	36.51	37.82	-3.45	2.92	3.01	-3.05
8	6/19/2021	3900	Head	3800	35.99	37.59	-4.25	3.13	3.22	-2.84
				3900	35.85	37.47	-4.33	3.22	3.32	-2.92
				4000	35.72	37.36	-4.39	3.33	3.42	-2.72

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
8	6/23/2021	3500	Head	3500	39.46	37.93	4.03	2.79	2.91	-4.24
				3400	39.67	38.04	4.27	2.72	2.81	-3.36
				3600	39.34	37.82	4.03	2.89	3.01	-4.08
8	6/23/2021	3900	Head	3800	38.96	37.59	3.65	3.06	3.22	-4.86
				3900	38.96	37.47	3.97	3.19	3.32	-4.06
				4000	38.64	37.36	3.43	3.32	3.42	-3.10
8	6/27/2021	3500	Head	3500	38.73	37.93	2.11	2.78	2.91	-4.62
				3400	38.89	38.04	2.22	2.71	2.81	-3.64
				3600	38.53	37.82	1.89	2.89	3.01	-4.24
8	6/27/2021	3900	Head	3800	38.18	37.59	1.58	3.06	3.22	-4.80
				3900	37.90	37.47	1.14	3.17	3.32	-4.51
				4000	37.80	37.36	1.18	3.27	3.42	-4.42
8	6/29/2021	3700	Head	3700	38.24	37.70	1.43	2.96	3.12	-4.99
				3600	38.53	37.82	1.89	2.89	3.01	-4.24
				3800	38.18	37.59	1.58	3.06	3.22	-4.80
8	7/5/2021	3500	Head	3500	38.27	37.93	0.90	2.88	2.91	-1.22
				3400	38.48	38.04	1.15	2.83	2.81	0.60
				3600	38.09	37.82	0.73	2.98	3.01	-1.12
8	7/5/2021	3700	Head	3700	37.88	37.70	0.47	3.09	3.12	-0.91
				3600	38.09	37.82	0.73	2.98	3.01	-1.12
				3800	37.53	37.59	-0.15	3.18	3.22	-1.35
8	7/5/2021	3900	Head	3800	37.53	37.59	-0.15	3.18	3.22	-1.35
				3900	37.64	37.47	0.44	3.32	3.32	-0.12
				4000	37.25	37.36	-0.29	3.44	3.42	0.55

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
10	5/27/2021	3500	Head	3500	37.46	37.93	-1.24	2.80	2.91	-3.83
				3400	37.61	38.04	-1.14	2.70	2.81	-3.89
				3600	37.27	37.82	-1.44	2.90	3.01	-3.78
10	6/1/2021	835	Head	835	42.20	41.50	1.69	0.91	0.90	1.48
				805	42.22	41.68	1.30	0.90	0.90	0.30
				850	42.17	41.50	1.61	0.92	0.92	0.37
10	6/6/2021	835	Head	835	41.02	41.50	-1.16	0.92	0.90	2.22
				805	41.04	41.68	-1.53	0.90	0.90	0.55
				850	41.01	41.50	-1.18	0.93	0.92	1.18
10	6/6/2021	750	Head	750	40.83	41.96	-2.70	0.90	0.89	0.63
				650	41.16	42.47	-3.09	0.86	0.89	-2.74
				800	40.67	41.71	-2.48	0.91	0.90	1.71
10	6/10/2021	835	Head	835	40.30	41.50	-2.89	0.94	0.90	4.37
				805	40.50	41.68	-2.83	0.93	0.90	3.41
				850	40.25	41.50	-3.01	0.95	0.92	3.37
10	6/14/2021	835	Head	835	41.77	41.50	0.65	0.90	0.90	-0.01
				805	41.92	41.68	0.58	0.89	0.90	-1.12
				850	41.71	41.50	0.51	0.90	0.92	-1.19
10	6/17/2021	835	Head	835	41.46	41.50	-0.10	0.92	0.90	2.60
				805	41.56	41.68	-0.29	0.91	0.90	1.54
				850	41.42	41.50	-0.19	0.93	0.92	1.43
10	6/20/2021	835	Head	835	40.82	41.50	-1.64	0.93	0.90	3.03
				805	40.86	41.68	-1.97	0.92	0.90	2.06
				850	40.78	41.50	-1.73	0.94	0.92	2.19
10	7/12/2021	835	Head	835	39.69	41.50	-4.36	0.94	0.90	4.98
				805	39.67	41.68	-4.82	0.92	0.90	2.33
				850	39.65	41.50	-4.46	0.95	0.92	3.88

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
12	5/25/2021	750	Head	750	42.36	41.96	0.95	0.88	0.89	-1.16
				660	42.85	42.42	1.01	0.86	0.89	-3.52
				800	42.30	41.71	1.43	0.90	0.90	-0.16
12	5/29/2021	750	Head	750	42.34	41.96	0.90	0.91	0.89	2.04
				660	42.73	42.42	0.72	0.87	0.89	-1.28
				800	42.11	41.71	0.97	0.93	0.90	3.17
12	6/1/2021	750	Head	750	42.85	41.96	2.12	0.87	0.89	-2.09
				660	43.21	42.42	1.85	0.84	0.89	-4.84
				800	42.69	41.71	2.36	0.89	0.90	-0.74
12	6/4/2021	750	Head	750	41.66	41.96	-0.72	0.89	0.89	-0.13
				660	41.96	42.42	-1.09	0.85	0.89	-3.98
				800	41.52	41.71	-0.44	0.90	0.90	0.87
12	6/8/2021	750	Head	750	40.24	41.96	-4.10	0.93	0.89	4.20
				660	40.51	42.42	-4.51	0.90	0.89	1.01
				800	40.01	41.71	-4.06	0.94	0.90	4.67
12	6/8/2021	835	Head	835	40.27	41.50	-2.96	0.88	0.90	-2.23
				805	40.19	41.68	-3.57	0.86	0.90	-3.93
				850	40.27	41.50	-2.96	0.89	0.92	-3.23
12	6/12/2021	750	Head	750	43.92	41.96	4.67	0.95	0.89	6.78
				660	44.34	42.42	4.52	0.92	0.89	4.16
				800	43.76	41.71	4.93	0.97	0.90	8.11
12	6/15/2021	750	Head	750	43.49	41.96	3.64	0.92	0.89	3.43
				660	44.04	42.42	3.81	0.89	0.89	0.14
				800	43.28	41.71	3.78	0.93	0.90	3.77
12	6/18/2021	750	Head	750	40.89	41.96	-2.55	0.97	0.89	8.24
				660	41.31	42.42	-2.62	0.91	0.89	2.79
				800	40.85	41.71	-2.05	0.98	0.90	9.61
12	6/19/2021	750	Head	750	43.59	41.96	3.88	0.86	0.89	-3.73
				660	44.52	42.42	4.94	0.84	0.89	-4.66
				800	43.70	41.71	4.78	0.88	0.90	-1.95
12	7/12/2021	835	Head	835	40.99	41.50	-1.23	0.94	0.90	4.99
				805	41.05	41.68	-1.51	0.92	0.90	2.62
				850	40.94	41.50	-1.35	0.95	0.92	3.95

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
13	5/25/2021	835	Head	835	39.91	41.50	-3.83	0.88	0.90	-2.36
				805	39.98	41.68	-4.08	0.86	0.90	-4.27
				850	39.90	41.50	-3.86	0.89	0.92	-3.23
13	5/29/2021	835	Head	835	42.38	41.50	2.12	0.94	0.90	4.90
				805	42.59	41.68	2.18	0.94	0.90	4.65
				850	42.30	41.50	1.93	0.95	0.92	3.62
13	6/1/2021	835	Head	835	39.99	41.50	-3.64	0.93	0.90	2.87
				805	40.02	41.68	-3.98	0.91	0.90	1.70
				850	39.97	41.50	-3.69	0.93	0.92	1.67
13	6/4/2021	835	Head	835	41.26	41.50	-0.58	0.90	0.90	0.07
				805	41.25	41.68	-1.03	0.88	0.90	-1.43
				850	41.25	41.50	-0.60	0.91	0.92	-0.89
13	6/8/2021	835	Head	835	39.79	41.50	-4.12	0.89	0.90	-0.79
				805	39.80	41.68	-4.51	0.88	0.90	-2.25
				850	39.76	41.50	-4.19	0.90	0.92	-1.81
13	6/8/2021	750	Head	750	41.16	41.96	-1.91	0.93	0.89	3.62
				660	41.53	42.42	-2.11	0.90	0.89	1.03
				800	40.98	41.71	-1.74	0.94	0.90	4.68
13	6/14/2021	835	Head	835	40.75	41.50	-1.81	0.92	0.90	2.59
				805	40.95	41.68	-1.75	0.91	0.90	1.58
				850	40.63	41.50	-2.10	0.93	0.92	1.30
13	6/18/2021	2600	Head	2600	38.27	39.01	-1.90	1.92	1.96	-1.94
				2495	38.43	39.14	-1.82	1.83	1.85	-1.01
				2690	38.07	38.90	-2.13	1.99	2.06	-3.18

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SAR Lab	Date	Band (MHz)	Tissue Type	Frequency (MHz)	Relative Permittivity (εr)			Conductivity (σ)		
					Measured	Target	Delta (%)	Measured	Target	Delta (%)
PHD 1	6/29/2021	2300	Head	2300	37.69	39.47	-4.52	1.72	1.66	3.38
				2350	37.59	39.38	-4.56	1.76	1.71	3.12
				2400	37.52	39.30	-4.52	1.79	1.75	2.08
PHD 1	7/6/2021	2300	Head	2300	39.12	39.47	-0.89	1.74	1.66	4.58
				2350	39.03	39.38	-0.90	1.79	1.71	4.94
				2400	38.93	39.30	-0.93	1.83	1.75	4.36
PHD 2	6/29/2021	3500	Head	3500	39.29	37.93	3.59	2.79	2.91	-4.21
				3400	39.61	38.04	4.12	2.72	2.81	-3.36
				3600	39.19	37.82	3.63	2.89	3.01	-4.01
PHD 2	6/29/2021	3700	Head	3700	39.06	37.70	3.60	2.98	3.12	-4.31
				3600	39.19	37.82	3.63	2.89	3.01	-4.01
				3800	38.89	37.59	3.47	3.07	3.22	-4.74
PHD 2	6/29/2021	3900	Head	3900	38.73	37.47	3.35	3.16	3.32	-4.93
				3800	38.89	37.59	3.47	3.07	3.22	-4.74
				4000	38.48	37.36	3.00	3.27	3.42	-4.50
PHD 2	7/6/2021	3500	Head	3500	37.98	37.93	0.13	2.78	2.91	-4.38
				3400	38.13	38.04	0.23	2.69	2.81	-4.28
				3600	37.90	37.82	0.22	2.88	3.01	-4.54
PHD 2	7/6/2021	3700	Head	3700	37.71	37.70	0.02	2.96	3.12	-4.92
				3600	37.90	37.82	0.22	2.88	3.01	-4.54
				3800	37.55	37.59	-0.10	3.06	3.22	-4.83
PHD 2	7/6/2021	3900	Head	3900	37.40	37.47	-0.20	3.17	3.32	-4.63
				3800	37.55	37.59	-0.10	3.06	3.22	-4.83
				4000	37.16	37.36	-0.53	3.27	3.42	-4.47
PHD 3	6/30/2021	1750	Head	1750	41.20	40.08	2.78	1.42	1.37	3.65
				1710	41.24	40.15	2.72	1.40	1.35	3.61
				1755	41.22	40.08	2.85	1.42	1.37	3.51
PHD 3	6/30/2021	1900	Head	1900	38.69	40.00	-3.28	1.42	1.40	1.50
				1850	38.63	40.00	-3.42	1.39	1.40	-0.71
				1920	38.73	40.00	-3.18	1.44	1.40	2.64
PHD 3	6/30/2021	2600	Head	2600	39.84	39.01	2.13	1.97	1.96	0.50
				2495	40.21	39.14	2.73	1.91	1.85	3.43
				2690	39.67	38.90	1.99	2.04	2.06	-0.90
PHD 3	7/6/2021	1750	Head	1750	39.95	40.08	-0.34	1.43	1.37	4.09
				1710	39.95	40.15	-0.49	1.41	1.35	4.35
				1755	39.94	40.08	-0.34	1.43	1.37	4.39
PHD 3	7/6/2021	1900	Head	1900	39.11	40.00	-2.23	1.46	1.40	4.29
				1850	39.23	40.00	-1.93	1.43	1.40	1.93
				1920	39.14	40.00	-2.15	1.47	1.40	4.79
PHD 3	7/6/2021	2600	Head	2600	38.55	39.01	-1.18	2.01	1.96	2.64
				2495	38.66	39.14	-1.23	1.92	1.85	3.81
				2690	38.46	38.90	-1.12	2.10	2.06	1.77

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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.

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.

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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 %	
A	5/24/2021	Head	D1900V2 SN:5d163	10/22/2021	4.250	42.50	39.81	6.76	2.200	22.00	20.70	6.28	1,2
A	5/28/2021	Head	D1900V2 SN:5d043	11/27/2021	4.200	42.00	41.80	0.48	2.160	21.60	21.54	0.28	
A	6/1/2021	Head	D1900V2 SN:5d043	11/27/2021	4.210	42.10	41.80	0.72	2.200	22.00	21.54	2.14	
A	6/5/2021	Head	D1900V2 SN:5d043	11/27/2021	4.270	42.70	41.80	2.15	2.190	21.90	21.54	1.67	
A	6/9/2021	Head	D1900V2 SN:5d043	11/27/2021	3.950	39.50	41.80	-5.50	2.040	20.40	21.54	-5.29	3,4
A	6/13/2021	Head	D1900V2 SN:5d043	11/27/2021	4.220	42.20	41.80	0.96	2.160	21.60	21.54	0.28	
A	6/16/2021	Head	D2600V2 SN:1006	10/20/2021	5.030	50.30	51.36	-2.06	2.300	23.00	23.41	-1.75	
A	6/20/2021	Head	D2600V2 SN:1006	10/20/2021	5.250	52.50	51.36	2.22	2.370	23.70	23.41	1.24	5,6
A	6/21/2021	Head	D1900V2 SN:5d043	11/27/2021	3.950	39.50	41.80	-5.50	2.050	20.50	21.54	-4.83	
B	5/24/2021	Head	D1750V2 SN:1050	4/13/2022	3.400	34.00	37.06	-8.26	1.820	18.20	19.87	-8.40	7,8
B	5/28/2021	Head	D1750V2 SN:1077	10/16/2021	3.450	34.50	35.15	-1.85	1.840	18.40	18.71	-1.66	
B	6/1/2021	Head	D1750V2 SN:1077	10/16/2021	3.760	37.60	35.15	6.97	2.010	20.10	18.71	7.43	
B	6/5/2021	Head	D1750V2 SN:1077	10/16/2021	3.540	35.40	35.15	0.71	1.900	19.00	18.71	1.55	
B	6/9/2021	Head	D1750V2 SN:1077	10/16/2021	3.830	38.30	35.15	8.96	2.050	20.50	18.71	9.57	9,10
B	6/13/2021	Head	D1750V2 SN:1077	10/16/2021	3.290	32.90	35.15	-6.40	1.770	17.70	18.71	-5.40	
B	6/15/2021	Head	D2600V2 SN:1006	10/20/2021	5.570	55.70	51.36	8.45	2.530	25.30	23.41	8.07	11,12
B	6/17/2021	Head	D1750V2 SN:1077	10/16/2021	3.720	37.20	35.15	5.83	1.990	19.90	18.71	6.36	
B	6/21/2021	Head	D1750V2 SN:1077	10/16/2021	3.450	34.50	35.15	-1.85	1.850	18.50	18.71	-1.12	
B	7/14/2021	Head	D1750V2 SN:1077	10/16/2021	3.690	36.90	35.15	4.98	1.970	19.70	18.71	5.29	
C	5/24/2021	Head	D1900V2 SN:5d140	4/13/2022	4.530	45.30	41.40	9.42	2.340	23.40	21.50	8.84	13,14
C	5/28/2021	Head	D1900V2 SN:5d140	4/13/2022	4.230	42.30	41.40	2.17	2.210	22.10	21.50	2.79	
C	6/1/2021	Head	D1900V2 SN:5d140	4/13/2022	4.230	42.30	41.40	2.17	2.210	22.10	21.50	2.79	
C	6/5/2021	Head	D1900V2 SN:5d140	4/13/2022	4.440	44.40	41.40	7.25	2.330	23.30	21.50	8.37	
C	6/9/2021	Head	D1900V2 SN:5d140	4/13/2022	4.310	43.10	41.40	4.11	2.230	22.30	21.50	3.72	
C	6/13/2021	Head	D1900V2 SN:5d140	4/13/2022	4.490	44.90	41.40	8.45	2.340	23.40	21.50	8.84	
C	6/14/2021	Head	D835V2 SN:4d142	8/18/2021	0.920	9.20	9.36	-1.71	0.600	6.00	6.09	-1.48	15,16
C	6/16/2021	Head	D1900V2 SN:5d043	11/27/2021	3.880	38.80	41.80	-7.18	2.020	20.20	21.54	-6.22	17,18
C	6/20/2021	Head	D1900V2 SN:5d043	11/27/2021	4.160	41.60	41.80	-0.48	2.170	21.70	21.54	0.74	
C	7/6/2021	Head	D1900V2 SN:5d043	11/27/2021	3.980	39.80	41.80	-4.78	2.060	20.60	21.54	-4.36	
C	7/14/2021	Head	D1900V2 SN:5d043	11/27/2021	4.040	40.40	41.80	-3.35	2.090	20.90	21.54	-2.97	
D	5/28/2021	Head	D2300V2 SN:1058	10/27/2021	5.020	50.20	46.98	6.85	2.400	24.00	22.65	5.96	19,20
D	6/1/2021	Head	D2300V2 SN:1058	10/27/2021	4.660	46.60	46.98	-0.81	2.200	22.00	22.65	-2.87	
D	6/5/2021	Head	D2300V2 SN:1002	4/13/2022	5.230	52.30	48.57	7.68	2.480	24.80	23.45	5.76	
D	6/7/2021	Head	D2600V2 SN:1006	10/20/2021	5.080	50.80	51.36	-1.09	2.260	22.60	23.41	-3.46	
D	6/8/2021	Head	D1900V2 SN:5d140	4/13/2022	4.220	42.20	41.40	1.93	2.170	21.70	21.50	0.93	21,22
D	6/9/2021	Head	D2300V2 SN:1058	10/27/2021	4.790	47.90	46.98	1.96	2.260	22.60	22.65	-0.22	
D	6/12/2021	Head	D2600V2 SN:1006	10/20/2021	5.330	53.30	51.36	3.78	2.380	23.80	23.41	1.67	23,24
D	6/14/2021	Head	D2300V2 SN:1058	10/27/2021	4.420	44.20	46.98	-5.92	2.100	21.00	22.65	-7.28	
D	6/16/2021	Head	D2300V2 SN:1058	10/27/2021	4.590	45.90	46.98	-2.30	2.170	21.70	22.65	-4.19	
D	6/18/2021	Head	D2450V2 SN:899	4/13/2022	5.060	50.60	50.96	-0.71	2.340	23.40	23.89	-2.05	25,26
D	6/20/2021	Head	D2300V2 SN:1058	10/27/2021	4.960	49.60	46.98	5.58	2.350	23.50	22.65	3.75	
D	6/22/2021	Head	D2600V2 SN:1006	10/20/2021	5.190	51.90	51.36	1.05	2.320	23.20	23.41	-0.90	
D	7/10/2021	Head	D2300V2 SN:1002	4/13/2022	5.270	52.70	48.57	8.50	2.500	25.00	23.45	6.61	27,28
D	7/14/2021	Head	D2300V2 SN:1002	4/13/2022	5.000	50.00	48.57	2.94	2.370	23.70	23.45	1.07	

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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 %	
E	5/24/2021	Head	D2450V2 SN:706	4/23/2022	5.650	56.50	52.30	8.03	2.550	25.50	24.50	4.08	
E	5/28/2021	Head	D2450V2 SN:899	4/13/2022	5.460	54.60	50.96	7.14	2.490	24.90	23.89	4.23	29,30
E	6/1/2021	Head	D2450V2 SN:899	4/13/2022	4.890	48.90	50.96	-4.04	2.220	22.20	23.89	-7.07	
E	6/5/2021	Head	D2450V2 SN:899	4/13/2022	4.970	49.70	50.96	-2.47	2.260	22.60	23.89	-5.40	
E	6/8/2021	Head	D2450V2 SN:706	4/23/2022	5.270	52.70	52.30	0.76	2.410	24.10	24.50	-1.63	
E	6/12/2021	Head	D2450V2 SN:899	4/13/2022	5.260	52.60	50.96	3.22	2.420	24.20	23.89	1.30	
E	6/16/2021	Head	D2450V2 SN:899	4/13/2022	5.210	52.10	50.96	2.24	2.410	24.10	23.89	0.88	
E	6/20/2021	Head	D2450V2 SN:899	4/13/2022	5.210	52.10	50.96	2.24	2.370	23.70	23.89	-0.80	
E	7/6/2021	Head	D2450V2 SN:706	4/23/2022	5.740	57.40	52.30	9.75	2.580	25.80	24.50	5.31	31,32
F	5/24/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.200	72.00	77.10	-6.61	2.050	20.50	22.20	-7.66	
F	5/28/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.750	77.50	77.10	0.52	2.200	22.00	22.20	-0.90	
F	6/1/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.530	75.30	77.10	-2.33	2.120	21.20	22.20	-4.50	
F	6/5/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.220	72.20	77.10	-6.36	2.040	20.40	22.20	-8.11	
F	6/5/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	7.950	79.50	84.70	-6.14	2.230	22.30	24.20	-7.85	
F	6/5/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	7.080	70.80	75.70	-6.47	2.000	20.00	21.80	-8.26	
F	6/9/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.210	72.10	77.10	-6.49	2.030	20.30	22.20	-8.56	
F	6/9/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	8.470	84.70	84.70	0.00	2.370	23.70	24.20	-2.07	
F	6/9/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	7.210	72.10	75.70	-4.76	2.040	20.40	21.80	-6.42	
F	6/13/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.340	73.40	77.10	-4.80	2.060	20.60	22.20	-7.21	
F	6/13/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	9.240	92.40	84.70	9.09	2.590	25.90	24.20	7.02	33,34
F	6/13/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	7.030	70.30	75.70	-7.13	1.970	19.70	21.80	-9.63	
F	6/17/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.350	73.50	77.10	-4.67	2.090	20.90	22.20	-5.86	
F	6/17/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	8.030	80.30	84.70	-5.19	2.260	22.60	24.20	-6.61	
F	6/17/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	7.640	76.40	75.70	0.92	2.160	21.60	21.80	-0.92	
F	6/21/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.590	75.90	77.10	-1.56	2.150	21.50	22.20	-3.15	
F	6/21/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	7.810	78.10	84.70	-7.79	2.180	21.80	24.20	-9.92	
F	6/21/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	6.970	69.70	75.70	-7.93	1.970	19.70	21.80	-9.63	
F	6/25/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	7.950	79.50	84.70	-6.14	2.220	22.20	24.20	-8.26	
F	7/6/2021	Head	D5GHzV2 SN:1168 (5.25 GHz)	11/27/2021	8.060	80.60	80.80	-0.25	2.270	22.70	23.30	-2.58	35,36

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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 %	
G	5/25/2021	Head	D5GHzV2 SN:1138 (5.6 GHz)	8/17/2021	8.480	84.80	82.80	2.42	2.420	24.20	23.50	2.98	
G	5/29/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	8.890	88.90	84.70	4.96	2.540	25.40	24.20	4.96	
G	6/2/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	9.160	91.60	84.70	8.15	2.640	26.40	24.20	9.09	
G	6/6/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.000	70.00	77.10	-9.21	2.020	20.20	22.20	-9.01	
G	6/6/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	8.480	84.80	84.70	0.12	2.430	24.30	24.20	0.41	
G	6/6/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	8.030	80.30	75.70	6.08	2.300	23.00	21.80	5.50	
G	6/10/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.630	76.30	77.10	-1.04	2.240	22.40	22.20	0.90	
G	6/10/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	8.460	84.60	84.70	-0.12	2.430	24.30	24.20	0.41	
G	6/10/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	7.700	77.00	75.70	1.72	2.210	22.10	21.80	1.38	
G	6/10/2021	Head	D2450V2 SN:899	4/13/2022	5.260	52.60	50.96	3.22	2.440	24.40	23.89	2.13	
G	6/14/2021	Head	D2450V2 SN:899	4/13/2022	5.390	53.90	50.96	5.77	2.510	25.10	23.89	5.06	37,38
G	6/14/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	8.000	80.00	77.10	3.76	2.320	23.20	22.20	4.50	
G	6/14/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	9.130	91.30	84.70	7.79	2.630	26.30	24.20	8.68	
G	6/14/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	8.200	82.00	75.70	8.32	2.370	23.70	21.80	8.72	
G	6/18/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	8.420	84.20	77.10	9.21	2.440	24.40	22.20	9.91	39,40
G	6/18/2021	Head	D5GHzV2 SN:1138 (5.6 GHz)	8/17/2021	8.480	84.80	82.80	2.42	2.430	24.30	23.50	3.40	41,42
G	6/18/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	8.010	80.10	75.70	5.81	2.310	23.10	21.80	5.96	
G	6/22/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.970	79.70	77.10	3.37	2.320	23.20	22.20	4.50	
G	6/22/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	8.680	86.80	84.70	2.48	2.470	24.70	24.20	2.07	
G	6/22/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	8.230	82.30	75.70	8.72	2.380	23.80	21.80	9.17	
G	7/6/2021	Head	D5GHzV2 SN:1168 (5.6 GHz)	11/27/2021	9.020	90.20	86.10	4.76	2.570	25.70	24.50	4.90	43,44

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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	5/25/2021	Head	D5GHzV2 SN:1138 (5.8 GHz)	8/17/2021	7.500	75.00	80.10	-6.37	2.120	21.20	22.70	-6.61	45,46
H	5/29/2021	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/27/2021	7.170	71.70	78.00	-8.08	2.020	20.20	22.40	-9.82	47,48
H	6/2/2021	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/27/2021	7.620	76.20	78.00	-2.31	2.160	21.60	22.40	-3.57	
H	6/3/2021	Head	D2450V2 SN:748	2/19/2022	5.290	52.90	52.15	1.44	2.440	24.40	24.48	-0.33	49,50
H	6/7/2021	Head	D2450V2 SN:899	4/13/2022	5.300	53.00	50.96	4.00	2.450	24.50	23.89	2.55	51,52
H	6/11/2021	Head	D2450V2 SN:748	2/19/2022	5.270	52.70	52.15	1.05	2.460	24.60	24.48	0.49	
H	6/15/2021	Head	D2450V2 SN:706	4/23/2022	5.530	55.30	52.30	5.74	2.590	25.90	24.50	5.71	53,54
H	6/15/2021	Head	D5GHzV2 SN:1003 (5.25 GHz)	2/17/2022	7.950	79.50	77.10	3.11	2.330	23.30	22.20	4.95	
H	6/15/2021	Head	D5GHzV2 SN:1003 (5.60 GHz)	2/17/2022	9.280	92.80	84.70	9.56	2.660	26.60	24.20	9.92	55,56
H	6/15/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	8.110	81.10	75.70	7.13	2.360	23.60	21.80	8.26	
H	6/19/2021	Head	D2450V2 SN:706	4/23/2022	5.400	54.00	52.30	3.25	2.540	25.40	24.50	3.67	
H	6/22/2021	Head	D5GHzV2 SN:1003 (5.75 GHz)	2/17/2022	7.650	76.50	75.70	1.06	2.310	23.10	21.80	5.96	
H	6/23/2021	Head	D2450V2 SN:706	4/23/2022	4.970	49.70	52.30	-4.97	2.350	23.50	24.50	-4.08	
H	7/6/2021	Head	D5GHzV2 SN:1168 (5.75 GHz)	11/27/2021	8.120	81.20	78.00	4.10	2.380	23.80	22.40	6.25	
1	7/6/2021	Head	D2600V2 SN:1006	10/20/2021	4.940	49.40	51.36	-3.82	2.220	22.20	23.41	-5.17	57,58
2	5/24/2021	Head	D2600V2 SN:1006	10/20/2021	5.050	50.50	51.36	-1.67	2.270	22.70	23.41	-3.03	
2	5/28/2021	Head	D2600V2 SN:1006	10/20/2021	5.450	54.50	51.36	6.11	2.450	24.50	23.41	4.66	
2	6/7/2021	Head	D2600V2 SN:1006	10/20/2021	5.630	56.30	51.36	9.62	2.540	25.40	23.41	8.50	59,60
2	6/11/2021	Head	D2600V2 SN:1006	10/20/2021	5.630	56.30	51.36	9.62	2.520	25.20	23.41	7.65	
3	6/10/2021	Head	D3500V2 SN:1060	2/25/2022	6.760	67.60	62.10	8.86	2.580	25.80	23.53	9.65	61,62
3	6/10/2021	Head	D3700V2 SN:1039	4/16/2022	7.000	70.00	66.40	5.42	2.610	26.10	24.00	8.75	63,64
3	6/14/2021	Head	D3500V2 SN:1060	2/25/2022	6.450	64.50	62.10	3.86	2.460	24.60	23.53	4.55	
4	5/26/2021	Head	D3500V2 SN:1011	4/15/2022	6.190	61.90	62.90	-1.59	2.400	24.00	23.41	2.52	
4	5/26/2021	Head	D3700V2 SN:1039	4/16/2022	6.710	67.10	66.40	1.05	2.500	25.00	24.00	4.17	
4	5/30/2021	Head	D3500V2 SN:1011	4/15/2022	6.000	60.00	62.90	-4.61	2.340	23.40	23.41	-0.04	65,66
4	5/30/2021	Head	D3700V2 SN:1039	4/16/2022	6.680	66.80	66.40	0.60	2.500	25.00	24.00	4.17	
4	6/2/2021	Head	D3500V2 SN:1060	2/25/2022	6.300	63.00	62.10	1.45	2.440	24.40	23.53	3.70	
4	6/2/2021	Head	D3700V2 SN:1039	4/16/2022	6.180	61.80	66.40	-6.93	2.320	23.20	24.00	-3.33	67,68
4	6/5/2021	Head	D3900V2 SN:1052	8/3/2021	6.530	65.30	70.10	-6.85	2.320	23.20	24.30	-4.53	69,70
4	6/7/2021	Head	D3500V2 SN:1060	2/25/2022	6.020	60.20	62.10	-3.06	2.350	23.50	23.53	-0.13	
4	6/7/2021	Head	D3700V2 SN:1039	4/16/2022	6.190	61.90	66.40	-6.78	2.310	23.10	24.00	-3.75	
4	6/9/2021	Head	D3500V2 SN:1060	2/25/2022	6.530	65.30	62.10	5.15	2.540	25.40	23.53	7.95	
4	6/9/2021	Head	D3700V2 SN:1039	4/16/2022	6.560	65.60	66.40	-1.20	2.460	24.60	24.00	2.50	
4	6/9/2021	Head	D3900V2 SN:1052	8/3/2021	7.150	71.50	70.10	2.00	2.580	25.80	24.30	6.17	
4	6/13/2021	Head	D3500V2 SN:1060	2/25/2022	6.490	64.90	62.10	4.51	2.530	25.30	23.53	7.52	
4	6/13/2021	Head	D3900V2 SN:1052	8/3/2021	6.960	69.60	70.10	-0.71	2.520	25.20	24.30	3.70	
4	6/16/2021	Head	D3500V2 SN:1060	2/25/2022	6.460	64.60	62.10	4.03	2.510	25.10	23.53	6.67	
4	6/16/2021	Head	D3700V2 SN:1039	4/16/2022	6.620	66.20	66.40	-0.30	2.401	24.01	24.00	0.04	
4	6/20/2021	Head	D3500V2 SN:1060	2/25/2022	6.420	64.20	62.10	3.38	2.500	25.00	23.53	6.25	
4	6/20/2021	Head	D3700V2 SN:1039	4/16/2022	6.560	65.60	66.40	-1.20	2.460	24.60	24.00	2.50	
4	6/24/2021	Head	D3500V2 SN:1060	2/25/2022	6.400	64.00	62.10	3.06	2.490	24.90	23.53	5.82	
4	6/24/2021	Head	D3700V2 SN:1039	4/16/2022	6.180	61.80	66.40	-6.93	2.330	23.30	24.00	-2.92	
4	6/28/2021	Head	D3500V2 SN:1060	2/25/2022	6.580	65.80	62.10	5.96	2.550	25.50	23.53	8.37	71,72
4	6/28/2021	Head	D3700V2 SN:1039	4/16/2022	6.240	62.40	66.40	-6.02	2.360	23.60	24.00	-1.67	
4	7/5/2021	Head	D3500V2 SN:1060	2/25/2022	6.520	65.20	62.10	4.99	2.540	25.40	23.53	7.95	
4	7/5/2021	Head	D3700V2 SN:1039	4/16/2022	6.740	67.40	66.40	1.51	2.540	25.40	24.00	5.83	

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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 %	
5	5/29/2021	Head	D2600V2 SN:1006	10/20/2021	5.610	56.10	51.36	9.23	2.550	25.50	23.41	8.93	
5	6/2/2021	Head	D2600V2 SN:1006	10/20/2021	4.690	46.90	51.36	-8.68	2.130	21.30	23.41	-9.01	
5	6/6/2021	Head	D2600V2 SN:1006	10/20/2021	4.640	46.40	51.36	-9.66	2.110	21.10	23.41	-9.87	73,74
5	6/10/2021	Head	D2600V2 SN:1006	10/20/2021	5.060	50.60	51.36	-1.48	2.290	22.90	23.41	-2.18	
5	6/14/2021	Head	D2600V2 SN:1006	10/20/2021	5.300	53.00	51.36	3.19	2.380	23.80	23.41	1.67	
5	6/16/2021	Head	D2600V2 SN:1006	10/20/2021	5.280	52.80	51.36	2.80	2.370	23.70	23.41	1.24	
5	6/20/2021	Head	D2600V2 SN:1006	10/20/2021	5.300	53.00	51.36	3.19	2.390	23.90	23.41	2.09	
5	7/6/2021	Head	D2600V2 SN:1006	10/20/2021	5.570	55.70	51.36	8.45	2.500	25.00	23.41	6.79	
6	5/28/2021	Head	D3500V2 SN:1060	2/25/2022	6.500	65.00	62.10	4.67	2.500	25.00	23.53	6.25	
6	5/28/2021	Head	D3700V2 SN:1039	4/16/2022	6.710	67.10	66.40	1.05	2.490	24.90	24.00	3.75	
6	6/1/2021	Head	D3500V2 SN:1011	4/15/2022	6.350	63.50	62.90	0.95	2.440	24.40	23.41	4.23	75,76
6	6/1/2021	Head	D3700V2 SN:1039	4/16/2022	6.540	65.40	66.40	-1.51	2.430	24.30	24.00	1.25	
6	6/3/2021	Head	D3900V2 SN:1052	8/3/2021	7.270	72.70	70.10	3.71	2.570	25.70	24.30	5.76	
6	6/5/2021	Head	D3500V2 SN:1060	2/25/2022	6.550	65.50	62.10	5.48	2.510	25.10	23.53	6.67	
6	6/5/2021	Head	D3900V2 SN:1052	8/3/2021	6.970	69.70	70.10	-0.57	2.470	24.70	24.30	1.65	
6	6/9/2021	Head	D3500V2 SN:1060	2/25/2022	6.320	63.20	62.10	1.77	2.410	24.10	23.53	2.42	
6	6/9/2021	Head	D3900V2 SN:1052	8/3/2021	6.650	66.50	70.10	-5.14	2.340	23.40	24.30	-3.70	77,78
6	6/13/2021	Head	D3500V2 SN:1060	2/25/2022	6.240	62.40	62.10	0.48	2.390	23.90	23.53	1.57	
6	6/13/2021	Head	D3900V2 SN:1052	8/3/2021	6.880	68.80	70.10	-1.85	2.420	24.20	24.30	-0.41	
6	6/16/2021	Head	D3500V2 SN:1011	4/15/2022	6.320	63.20	62.90	0.48	2.410	24.10	23.41	2.95	
6	6/16/2021	Head	D3700V2 SN:1039	4/16/2022	6.420	64.20	66.40	-3.31	2.380	23.80	24.00	-0.83	
6	6/18/2021	Head	D3900V2 SN:1052	8/3/2021	7.030	70.30	70.10	0.29	2.470	24.70	24.30	1.65	
6	6/20/2021	Head	D3700V2 SN:1039	4/16/2022	6.380	63.80	66.40	-3.92	2.400	24.00	24.00	0.00	79,80
6	6/22/2021	Head	D3500V2 SN:1060	2/25/2022	6.710	67.10	62.10	8.05	2.570	25.70	23.53	9.22	81,82
6	6/22/2021	Head	D3900V2 SN:1052	8/3/2021	7.130	71.30	70.10	1.71	2.520	25.20	24.30	3.70	
6	7/5/2021	Head	D3500V2 SN:1060	2/25/2022	6.290	62.90	62.10	1.29	2.400	24.00	23.53	2.00	
6	7/5/2021	Head	D3700V2 SN:1039	4/16/2022	6.800	68.00	66.40	2.41	2.510	25.10	24.00	4.58	
6	7/5/2021	Head	D3900V2 SN:1052	8/3/2021	7.230	72.30	70.10	3.14	2.550	25.50	24.30	4.94	
7	5/24/2021	Head	D2600V2 SN:1006	10/20/2021	4.830	48.30	51.36	-5.96	2.160	21.60	23.41	-7.73	
7	5/27/2021	Head	D2600V2 SN:1006	10/20/2021	5.580	55.80	51.36	8.64	2.490	24.90	23.41	6.36	83,84
7	5/31/2021	Head	D2600V2 SN:1006	10/20/2021	5.280	52.80	51.36	2.80	2.360	23.60	23.41	0.81	
7	6/4/2021	Head	D2600V2 SN:1006	10/20/2021	5.230	52.30	51.36	1.83	2.340	23.40	23.41	-0.04	
7	6/7/2021	Head	D2600V2 SN:1006	10/20/2021	5.180	51.80	51.36	0.86	2.310	23.10	23.41	-1.32	
7	6/11/2021	Head	D2600V2 SN:1006	10/20/2021	5.270	52.70	51.36	2.61	2.350	23.50	23.41	0.38	
7	6/12/2021	Head	D3500V2 SN:1060	2/25/2022	5.870	58.70	62.10	-5.48	2.470	24.70	23.53	4.97	85,86
7	6/16/2021	Head	D2600V2 SN:1006	10/20/2021	5.400	54.00	51.36	5.14	2.420	24.20	23.41	3.37	
7	7/6/2021	Head	D2600V2 SN:1006	10/20/2021	5.400	54.00	51.36	5.14	2.400	24.00	23.41	2.52	

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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	5/26/2021	Head	D3500V2 SN:1011	4/15/2022	6.150	61.50	62.90	-2.23	2.370	23.70	23.41	1.24	
8	5/26/2021	Head	D3700V2 SN:1039	4/16/2022	6.500	65.00	66.40	-2.11	2.430	24.30	24.00	1.25	
8	5/30/2021	Head	D3500V2 SN:1060	2/25/2022	5.980	59.80	62.10	-3.70	2.330	23.30	23.53	-0.98	
8	5/30/2021	Head	D3700V2 SN:1039	4/16/2022	6.770	67.70	66.40	1.96	2.560	25.60	24.00	6.67	
8	6/3/2021	Head	D3700V2 SN:1039	4/16/2022	6.830	68.30	66.40	2.86	2.590	25.90	24.00	7.92	
8	6/3/2021	Head	D3500V2 SN:1011	4/15/2022	6.540	65.40	62.90	3.97	2.560	25.60	23.41	9.35	87,88
8	6/7/2021	Head	D3700V2 SN:1039	4/16/2022	6.500	65.00	66.40	-2.11	2.450	24.50	24.00	2.08	
8	6/7/2021	Head	D3500V2 SN:1060	2/25/2022	6.240	62.40	62.10	0.48	2.430	24.30	23.53	3.27	
8	6/7/2021	Head	D3900V2 SN:1052	8/3/2021	6.930	69.30	70.10	-1.14	2.480	24.80	24.30	2.06	
8	6/11/2021	Head	D3500V2 SN:1011	4/15/2022	6.470	64.70	62.90	2.86	2.500	25.00	23.41	6.79	
8	6/11/2021	Head	D3700V2 SN:1039	4/16/2022	6.580	65.80	66.40	-0.90	2.460	24.60	24.00	2.50	
8	6/15/2021	Head	D3500V2 SN:1060	2/25/2022	6.070	60.70	62.10	-2.25	2.340	23.40	23.53	-0.55	
8	6/15/2021	Head	D3700V2 SN:1039	4/16/2022	6.080	60.80	66.40	-8.43	2.280	22.80	24.00	-5.00	89,90
8	6/19/2021	Head	D3500V2 SN:1011	4/15/2022	6.080	60.80	62.90	-3.34	2.350	23.50	23.41	0.38	
8	6/23/2021	Head	D3500V2 SN:1060	2/25/2022	5.630	56.30	62.10	-9.34	2.180	21.80	23.53	-7.35	91,92
8	6/23/2021	Head	D3900V2 SN:1052	8/3/2021	6.930	69.30	70.10	-1.14	2.480	24.80	24.30	2.06	
8	6/27/2021	Head	D3500V2 SN:1060	2/25/2022	5.670	56.70	62.10	-8.70	2.190	21.90	23.53	-6.93	
8	6/27/2021	Head	D3900V2 SN:1052	8/3/2021	6.830	68.30	70.10	-2.57	2.460	24.60	24.30	1.23	
8	6/29/2021	Head	D3700V2 SN:1039	4/16/2022	6.950	69.50	66.40	4.67	2.610	26.10	24.00	8.75	
8	7/5/2021	Head	D3500V2 SN:1011	4/15/2022	6.340	63.40	62.90	0.79	2.410	24.10	23.41	2.95	
8	7/5/2021	Head	D3700V2 SN:1039	4/16/2022	6.680	66.80	66.40	0.60	2.500	25.00	24.00	4.17	
8	7/5/2021	Head	D3900V2 SN:1052	8/3/2021	6.610	66.10	70.10	-5.71	2.370	23.70	24.30	-2.47	93,94
10	5/27/2021	Head	D3500V2 SN:1011	4/15/2022	6.660	66.60	62.90	5.88	2.530	25.30	23.41	8.07	95,96
10	6/1/2021	Head	D835V2 SN:4d142	8/18/2021	0.939	9.39	9.36	0.32	0.611	6.11	6.09	0.33	
10	6/6/2021	Head	D835V2 SN:4d142	8/18/2021	0.972	9.72	9.36	3.85	0.632	6.32	6.09	3.78	
10	6/6/2021	Head	D750V3 SN:1071	11/26/2021	0.840	8.40	8.44	-0.47	0.552	5.52	5.57	-0.90	97,98
10	6/10/2021	Head	D835V2 SN:4d142	8/18/2021	1.010	10.10	9.36	7.91	0.654	6.54	6.09	7.39	99,100
10	6/14/2021	Head	D835V2 SN:4d142	8/18/2021	1.010	10.10	9.36	7.91	0.650	6.50	6.09	6.73	
10	6/17/2021	Head	D835V2 SN:4d142	8/18/2021	1.000	10.00	9.36	6.84	0.651	6.51	6.09	6.90	
10	6/20/2021	Head	D835V2 SN:4d142	8/18/2021	1.010	10.10	9.36	7.91	0.651	6.51	6.09	6.90	
10	7/12/2021	Head	D835V2 SN:4d117	5/11/2022	1.070	10.70	10.23	4.59	0.692	6.92	6.69	3.44	101,102

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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 %	
12	5/25/2021	Head	D750V3 SN:1071	11/26/2021	0.802	8.02	8.44	-4.98	0.526	5.26	5.57	-5.57	
12	5/29/2021	Head	D750V3 SN:1071	11/26/2021	0.784	7.84	8.44	-7.11	0.513	5.13	5.57	-7.90	103,104
12	6/1/2021	Head	D750V3 SN:1024	5/11/2022	0.795	7.95	8.60	-7.56	0.526	5.26	5.69	-7.56	105,106
12	6/4/2021	Head	D750V3 SN:1024	5/11/2022	0.802	8.02	8.60	-6.74	0.521	5.21	5.69	-8.44	
12	6/8/2021	Head	D750V3 SN:1024	5/11/2022	0.825	8.25	8.60	-4.07	0.542	5.42	5.69	-4.75	
12	6/8/2021	Head	D835V2 SN:4d117	5/11/2022	0.975	9.75	10.23	-4.69	0.637	6.37	6.69	-4.78	107,108
12	6/12/2021	Head	D750V3 SN:1071	11/26/2021	0.894	8.94	8.44	5.92	0.581	5.81	5.57	4.31	
12	6/15/2021	Head	D750V3 SN:1024	5/11/2022	0.866	8.66	8.60	0.70	0.568	5.68	5.69	-0.18	
12	6/18/2021	Head	D750V3 SN:1024	5/11/2022	0.878	8.78	8.60	2.09	0.570	5.70	5.69	0.18	
12	6/19/2021	Head	D750V3 SN:1024	5/11/2022	0.852	8.52	8.60	-0.93	0.558	5.58	5.69	-1.93	
12	7/12/2021	Head	D835V2 SN:4d117	5/11/2022	0.994	9.94	10.23	-2.83	0.646	6.46	6.69	-3.44	
13	5/25/2021	Head	D835V2 SN:4d142	8/18/2021	0.917	9.17	9.36	-2.03	0.591	5.91	6.09	-2.96	
13	5/29/2021	Head	D835V2 SN:4d142	8/18/2021	0.991	9.91	9.36	5.88	0.645	6.45	6.09	5.91	109,110
13	6/1/2021	Head	D835V2 SN:4d142	8/18/2021	0.906	9.06	9.36	-3.21	0.587	5.87	6.09	-3.61	
13	6/4/2021	Head	D835V2 SN:4d117	5/11/2022	0.960	9.60	10.23	-6.16	0.617	6.17	6.69	-7.77	
13	6/8/2021	Head	D835V2 SN:4d117	5/11/2022	0.935	9.35	10.23	-8.60	0.610	6.10	6.69	-8.82	111,112
13	6/8/2021	Head	D750V3 SN:1071	11/26/2021	0.831	8.31	8.44	-1.54	0.549	5.49	5.57	-1.44	113,114
13	6/14/2021	Head	D835V2 SN:4d117	5/11/2022	0.988	9.88	10.23	-3.42	0.642	6.42	6.69	-4.04	
13	6/18/2021	Head	D2600V2 SN:1006	10/20/2021	5.400	54.00	51.36	5.14	2.440	24.40	23.41	4.23	115,116

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 %	
PHD 1	6/29/2021	Head	D2300V2 SN:1058	10/27/2021	4.420	44.20	46.98	-5.92	2.090	20.90	22.65	-7.73	117,118
PHD 1	7/6/2021	Head	D2300V2 SN:1058	10/27/2021	4.690	46.90	46.98	-0.17	2.210	22.10	22.65	-2.43	
PHD 2	6/29/2021	Head	D3500V2 SN:1011	4/15/2022	5.690	56.90	62.90	-9.54	2.160	21.60	23.41	-7.73	119,120
PHD 2	6/29/2021	Head	D3700V2 SN:1039	4/16/2022	6.340	63.40	66.40	-4.52	2.360	23.60	24.00	-1.67	
PHD 2	6/29/2021	Head	D3900V2 SN:1052	8/3/2021	7.440	74.40	70.10	6.13	2.630	26.30	24.30	8.23	
PHD 2	7/6/2021	Head	D3500V2 SN:1011	4/15/2022	6.300	63.00	62.90	0.16	2.390	23.90	23.41	2.09	
PHD 2	7/6/2021	Head	D3700V2 SN:1039	4/16/2022	6.060	60.60	66.40	-8.73	2.210	22.10	24.00	-7.92	121,122
PHD 2	7/6/2021	Head	D3900V2 SN:1052	8/3/2021	7.660	76.60	70.10	9.27	2.670	26.70	24.30	9.88	123,124
PHD 3	6/30/2021	Head	D1750V2 SN:1050	4/13/2022	3.830	38.30	37.06	3.35	2.180	21.80	19.87	9.71	
PHD 3	6/30/2021	Head	D1900V2 SN:5d140	4/13/2022	4.350	43.50	41.40	5.07	2.230	22.30	21.50	3.72	
PHD 3	6/30/2021	Head	D2600V2 SN:1006	10/20/2021	5.160	51.60	51.36	0.47	2.350	23.50	23.41	0.38	
PHD 3	7/6/2021	Head	D1750V2 SN:1050	4/13/2022	4.030	40.30	37.06	8.74	2.140	21.40	19.87	7.70	125,126
PHD 3	7/6/2021	Head	D1900V2 SN:5d140	4/13/2022	4.420	44.20	41.40	6.76	2.260	22.60	21.50	5.12	127,128
PHD 3	7/6/2021	Head	D2600V2 SN:1006	10/20/2021	4.720	47.20	51.36	-8.10	2.120	21.20	23.41	-9.44	129,130

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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.

Two different powers are being displayed in this section:

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

9.1. GSM

Per KDB 941225 D01 3G SAR Procedures:

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

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

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

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

Output Power for GSM

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

RF Air interface	Mode	Target Output Power (dBm)								Tolerance	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4			ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
GSM850	Voice/GPRS (1 slot)	32.50	32.50	31.00	31.00					1.0 / -1.0	33.50	33.50	32.00	32.00				
	GPRS 2 slots	31.50	30.70	30.00	30.00					1.0 / -1.0	32.50	31.70	31.00	31.00				
	EGPRS 1 slot	27.00	27.00	25.50	25.50					1.0 / -1.0	28.00	28.00	26.50	26.50				
	EGPRS 2 slots	26.00	26.00	24.50	24.50					1.0 / -1.0	27.00	27.00	25.50	25.50				
GSM1900	Voice/GPRS (1 slot)	31.00	28.50	28.50	28.50	30.50	28.50	27.00	28.00	1.0 / -1.0	32.00	29.50	29.50	29.50	31.50	29.50	28.00	29.00
	GPRS 2 slots	30.00	25.50	26.20	27.20	29.50	25.50	24.00	25.30	1.0 / -1.0	31.00	26.50	27.20	28.20	30.50	26.50	25.00	26.30
	EGPRS 1 slot	26.00	26.00	23.50	23.50	25.50	25.50	23.00	23.00	1.0 / -1.0	27.00	27.00	24.50	24.50	26.50	26.50	24.00	24.00
	EGPRS 2 slots	25.00	25.00	22.50	22.50	24.50	24.50	22.00	22.00	1.0 / -1.0	26.00	26.00	23.50	23.50	25.50	25.50	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	32.44	23.41	33.50	24.47	32.44	23.41	33.50	24.47
			190	836.6	32.48	23.45			32.48	23.45		
			251	848.8	32.23	23.20			32.23	23.20		
		2	128	824.2	31.40	25.38	32.50	**26.48**	30.60	24.58	31.70	**25.68**
			190	836.6	31.53	25.51			30.73	24.71		
			251	848.8	31.22	25.20			30.42	24.40		
EDGE (8PSK)	MCS5	1	128	824.2	26.74	17.71	28.00	18.97	26.74	17.71	28.00	18.97
			190	836.6	26.91	17.88			26.91	17.88		
			251	848.8	26.59	17.56			26.59	17.56		
		2	128	824.2	25.58	19.56	27.00	20.98	25.58	19.56	27.00	20.98
			190	836.6	25.78	19.76			25.78	19.76		
			251	848.8	25.74	19.72			25.74	19.72		

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	31.46	22.43	32.00	22.97	31.46	22.43	32.00	22.97
			190	836.6	31.52	22.49			31.52	22.49		
			251	848.8	31.32	22.29			31.32	22.29		
		2	128	824.2	29.84	23.82	31.00	**24.98**	29.84	23.82	31.00	**24.98**
			190	836.6	30.02	24.00			30.02	24.00		
			251	848.8	29.60	23.58			29.60	23.58		
EDGE (8PSK)	MCS5	1	128	824.2	26.41	17.38	26.50	17.47	26.41	17.38	26.50	17.47
			190	836.6	26.47	17.44			26.47	17.44		
			251	848.8	26.31	17.28			26.31	17.28		
		2	128	824.2	25.05	19.03	25.50	19.48	25.05	19.03	25.50	19.48
			190	836.6	25.07	19.05			25.07	19.05		
			251	848.8	24.98	18.96			24.98	18.96		

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	31.00	21.97	32.00	22.97	28.55	19.52	29.50	20.47
			661	1880.0	30.93	21.90			28.55	19.52		
			810	1909.8	30.87	21.84			28.52	19.49		
		2	512	1850.2	29.86	23.84	31.00	**24.98**	25.60	19.58	26.50	**20.48**
			661	1880.0	29.95	23.93			25.52	19.50		
			810	1909.8	29.90	23.88			25.58	19.56		
EDGE (8PSK)	MCS5	1	512	1850.2	26.00	16.97	27.00	17.97	26.00	16.97	27.00	17.97
			661	1880.0	25.96	16.93			25.96	16.93		
			810	1909.8	25.92	16.89			25.92	16.89		
		2	512	1850.2	24.98	18.96	26.00	19.98	24.65	18.63	26.00	19.98
			661	1880.0	24.96	18.94			24.68	18.66		
			810	1909.8	24.67	18.65			24.67	18.65		

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	28.60	19.57	29.50	20.47	28.60	19.57	29.50	20.47
			661	1880.0	28.58	19.55			28.58	19.55		
			810	1909.8	28.60	19.57			28.60	19.57		
		2	512	1850.2	26.70	20.68	27.20	**21.18**	27.10	21.08	28.20	**22.18**
			661	1880.0	26.70	20.68			27.21	21.19		
			810	1909.8	26.72	20.70			27.17	21.15		
EDGE (8PSK)	MCS5	1	512	1850.2	24.40	15.37	24.50	15.47	24.49	15.46	24.50	15.47
			661	1880.0	24.43	15.40			24.43	15.40		
			810	1909.8	24.42	15.39			24.43	15.40		
		2	512	1850.2	23.36	17.34	23.50	17.48	23.41	17.39	23.50	17.48
			661	1880.0	23.48	17.46			23.46	17.44		
			810	1909.8	23.44	17.42			23.42	17.40		

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	29.37	20.34	31.50	22.47	28.07	19.04	29.50	20.47
			661	1880.0	29.10	20.07			28.15	19.12		
			810	1909.8	29.00	19.97			28.00	18.97		
		2	512	1850.2	29.30	23.28	30.50	**24.48**	25.95	19.93	26.50	**20.48**
			661	1880.0	29.34	23.32			26.00	19.98		
			810	1909.8	29.27	23.25			25.98	19.96		
EDGE (8PSK)	MCS5	1	512	1850.2	25.69	16.66	26.50	17.47	25.69	16.66	26.50	17.47
			661	1880.0	25.55	16.52			25.55	16.52		
			810	1909.8	25.54	16.51			25.54	16.51		
		2	512	1850.2	24.68	18.66	25.50	19.48	24.68	18.66	25.50	19.48
			661	1880.0	24.50	18.48			24.50	18.48		
			810	1909.8	24.35	18.33			24.35	18.33		

Note(s):

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

GSM1900 Measured Results (ANT4)

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Power Mode A (dBm)				Power Mode B (dBm)			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GPRS/EDGE (GMSK)	CS1	1	512	1850.2	26.98	17.95	28.00	18.97	28.20	19.17	29.00	19.97
			661	1880.0	27.00	17.97			28.18	19.15		
			810	1909.8	26.99	17.96			28.03	19.00		
		2	512	1850.2	24.08	18.06	25.00	**18.98**	26.01	19.99	26.30	**20.28**
			661	1880.0	24.15	18.13			26.05	20.03		
			810	1909.8	24.05	18.03			25.90	19.88		
EDGE (8PSK)	MCS5	1	512	1850.2	23.65	14.62	24.00	14.97	23.65	14.62	24.00	14.97
			661	1880.0	23.91	14.88			23.91	14.88		
			810	1909.8	23.72	14.69			23.72	14.69		
		2	512	1850.2	22.41	16.39	23.00	16.98	22.51	16.49	23.00	16.98
			661	1880.0	22.43	16.41			22.53	16.51		
			810	1909.8	22.33	16.31			22.14	16.12		

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

Output Power for W-CDMA

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

RF Air interface	Mode	Target Output Power (dBm)								Tolerance	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4			ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
W-CDMA Band 2	R99	25.20	19.50	20.20	21.20	23.50	19.50	18.00	19.30	0.5 / -1.0	25.70	20.00	20.70	21.70	24.00	20.00	18.50	19.80
	HSDPA	25.20	19.50	20.20	21.20	23.50	19.50	18.00	19.30	0.5 / -1.0	25.70	20.00	20.70	21.70	24.00	20.00	18.50	19.80
	HSUPA	25.20	19.50	20.20	21.20	23.50	19.50	18.00	19.30	0.5 / -1.0	25.70	20.00	20.70	21.70	24.00	20.00	18.50	19.80
	DC-HSDPA	25.20	19.50	20.20	21.20	23.50	19.50	18.00	19.30	0.5 / -1.0	25.70	20.00	20.70	21.70	24.00	20.00	18.50	19.80
	HSPA+	25.20	19.50	20.20	21.20	23.50	19.50	18.00	19.30	0.5 / -1.0	25.70	20.00	20.70	21.70	24.00	20.00	18.50	19.80
W-CDMA Band 4	R99	23.50	17.30	22.50	22.50	24.70	21.50	20.30	21.00	0.5 / -1.0	24.00	17.80	23.00	23.00	25.20	22.00	20.80	21.50
	HSDPA	23.50	17.30	22.50	22.50	24.70	21.50	20.30	21.00	0.5 / -1.0	24.00	17.80	23.00	23.00	25.20	22.00	20.80	21.50
	HSUPA	23.50	17.30	22.50	22.50	24.70	21.50	20.30	21.00	0.5 / -1.0	24.00	17.80	23.00	23.00	25.20	22.00	20.80	21.50
	DC-HSDPA	23.50	17.30	22.50	22.50	24.70	21.50	20.30	21.00	0.5 / -1.0	24.00	17.80	23.00	23.00	25.20	22.00	20.80	21.50
	HSPA+	23.50	17.30	22.50	22.50	24.70	21.50	20.30	21.00	0.5 / -1.0	24.00	17.80	23.00	23.00	25.20	22.00	20.80	21.50
W-CDMA Band 5	R99	25.20	24.70	24.20	24.20					0.5 / -1.0	25.70	25.20	24.70	24.70				
	HSDPA	25.20	24.70	24.20	24.20					0.5 / -1.0	25.70	25.20	24.70	24.70				
	HSUPA	25.20	24.70	24.20	24.20					0.5 / -1.0	25.70	25.20	24.70	24.70				
	DC-HSDPA	25.20	24.70	24.20	24.20					0.5 / -1.0	25.70	25.20	24.70	24.70				
	HSPA+	25.20	24.70	24.20	24.20					0.5 / -1.0	25.70	25.20	24.70	24.70				

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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	25.19	N/A	25.70	19.38	N/A	20.00
		9400	1880.0	25.22			19.39		
		9538	1907.6	25.07			19.35		
HSDPA	Subtest 1	9262	1852.4	24.45	0.00	25.70	18.74	0.00	20.00
		9400	1880.0	24.45			18.72		
		9538	1907.6	24.30			18.65		
	Subtest 2	9262	1852.4	24.88	0.00	25.70	18.68	0.00	20.00
		9400	1880.0	24.95			18.67		
		9538	1907.6	24.74			18.62		
	Subtest 3	9262	1852.4	24.37	0.50	25.20	18.20	0.50	19.50
		9400	1880.0	24.43			18.17		
		9538	1907.6	24.26			18.13		
	Subtest 4	9262	1852.4	24.38	0.50	25.20	18.20	0.50	19.50
		9400	1880.0	24.37			18.17		
		9538	1907.6	24.26			18.12		
HSUPA	Subtest 1	9262	1852.4	24.40	0.00	25.70	18.70	0.00	20.00
		9400	1880.0	24.43			18.69		
		9538	1907.6	24.38			18.63		
	Subtest 2	9262	1852.4	22.92	2.00	23.70	16.71	2.00	18.00
		9400	1880.0	22.99			16.68		
		9538	1907.6	22.78			16.63		
	Subtest 3	9262	1852.4	23.94	1.00	24.70	17.68	1.00	19.00
		9400	1880.0	23.97			17.68		
		9538	1907.6	23.80			17.61		
	Subtest 4	9262	1852.4	22.90	2.00	23.70	16.68	2.00	18.00
		9400	1880.0	22.94			16.65		
		9538	1907.6	22.77			16.63		
	Subtest 5	9262	1852.4	24.88	0.00	25.70	18.58	0.00	20.00
		9400	1880.0	24.94			18.57		
		9538	1907.6	24.80			18.52		
DC-HSDPA	Subtest 1	9262	1852.4	24.90	0.00	25.70	18.75	0.00	20.00
		9400	1880.0	24.95			18.74		
		9538	1907.6	24.77			18.68		
	Subtest 2	9262	1852.4	24.92	0.00	25.70	18.71	0.00	20.00
		9400	1880.0	24.95			18.69		
		9538	1907.6	24.79			18.63		
	Subtest 3	9262	1852.4	24.39	0.50	25.20	18.18	0.50	19.50
		9400	1880.0	24.42			18.18		
		9538	1907.6	24.28			18.14		
	Subtest 4	9262	1852.4	24.37	0.50	25.20	18.19	0.50	19.50
		9400	1880.0	24.42			18.16		
		9538	1907.6	24.28			18.08		
HSPA+	Subtest 1	9262	1852.4	22.80	2.50	23.20	16.40	2.50	17.50
		9400	1880.0	22.95			16.32		
		9538	1907.6	22.78			16.36		

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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	19.88	N/A	20.70	21.19	N/A	21.70
		9400	1880.0	19.98			21.30		
		9538	1907.6	19.98			21.28		
HSDPA	Subtest 1	9262	1852.4	19.37	0.00	20.70	20.45	0.00	21.70
		9400	1880.0	19.43			20.56		
		9538	1907.6	19.51			20.63		
	Subtest 2	9262	1852.4	19.31	0.00	20.70	20.41	0.00	21.70
		9400	1880.0	19.41			20.50		
		9538	1907.6	19.51			20.59		
	Subtest 3	9262	1852.4	18.85	0.50	20.20	19.94	0.50	21.20
		9400	1880.0	18.94			20.04		
		9538	1907.6	19.02			20.11		
	Subtest 4	9262	1852.4	18.84	0.50	20.20	19.93	0.50	21.20
		9400	1880.0	18.97			20.04		
		9538	1907.6	19.03			20.11		
HSUPA	Subtest 1	9262	1852.4	19.32	0.00	20.70	20.41	0.00	21.70
		9400	1880.0	19.47			20.54		
		9538	1907.6	19.53			20.61		
	Subtest 2	9262	1852.4	17.27	2.00	18.70	18.40	2.00	19.70
		9400	1880.0	17.38			18.50		
		9538	1907.6	17.48			18.60		
	Subtest 3	9262	1852.4	18.31	1.00	19.70	19.42	1.00	20.70
		9400	1880.0	18.42			19.53		
		9538	1907.6	18.51			19.60		
	Subtest 4	9262	1852.4	17.31	2.00	18.70	18.41	2.00	19.70
		9400	1880.0	17.44			18.56		
		9538	1907.6	17.50			18.61		
	Subtest 5	9262	1852.4	19.77	0.00	20.70	20.28	0.00	21.70
		9400	1880.0	19.78			20.29		
		9538	1907.6	19.77			20.36		
DC-HSDPA	Subtest 1	9262	1852.4	19.33	0.00	20.70	20.48	0.00	21.70
		9400	1880.0	19.49			20.61		
		9538	1907.6	19.55			20.66		
	Subtest 2	9262	1852.4	19.32	0.00	20.70	20.43	0.00	21.70
		9400	1880.0	19.45			20.56		
		9538	1907.6	19.55			20.61		
	Subtest 3	9262	1852.4	18.88	0.50	20.20	19.97	0.50	21.20
		9400	1880.0	18.99			20.08		
		9538	1907.6	19.05			20.14		
	Subtest 4	9262	1852.4	18.87	0.50	20.20	19.96	0.50	21.20
		9400	1880.0	19.00			20.07		
		9538	1907.6	19.06			20.13		
HSPA+	Subtest 1	9262	1852.4	17.34	2.50	18.20	18.30	2.50	19.20
		9400	1880.0	17.48			18.50		
		9538	1907.6	17.55			18.20		

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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	23.28	N/A	24.00	19.60	N/A	20.00
		9400	1880.0	23.60			19.65		
		9538	1907.6	23.60			19.62		
HSDPA	Subtest 1	9262	1852.4	23.38	0.00	24.00	18.82	0.00	20.00
		9400	1880.0	23.46			18.69		
		9538	1907.6	23.53			19.02		
	Subtest 2	9262	1852.4	23.47	0.00	24.00	18.79	0.00	20.00
		9400	1880.0	23.55			18.67		
		9538	1907.6	23.50			18.99		
	Subtest 3	9262	1852.4	22.77	0.50	23.50	18.28	0.50	19.50
		9400	1880.0	22.96			18.15		
		9538	1907.6	23.17			18.47		
	Subtest 4	9262	1852.4	22.85	0.50	23.50	18.31	0.50	19.50
		9400	1880.0	22.92			18.19		
		9538	1907.6	23.00			18.49		
HSUPA	Subtest 1	9262	1852.4	23.36	0.00	24.00	18.80	0.00	20.00
		9400	1880.0	23.55			18.68		
		9538	1907.6	23.50			19.00		
	Subtest 2	9262	1852.4	21.35	2.00	22.00	16.79	2.00	18.00
		9400	1880.0	21.42			16.69		
		9538	1907.6	21.50			16.98		
	Subtest 3	9262	1852.4	22.10	1.00	23.00	17.80	1.00	19.00
		9400	1880.0	22.28			17.67		
		9538	1907.6	22.27			17.97		
	Subtest 4	9262	1852.4	21.69	2.00	22.00	16.78	2.00	18.00
		9400	1880.0	21.36			16.66		
		9538	1907.6	21.56			16.95		
	Subtest 5	9262	1852.4	23.34	0.00	24.00	18.54	0.00	20.00
		9400	1880.0	23.50			18.52		
		9538	1907.6	23.32			18.53		
DC-HSDPA	Subtest 1	9262	1852.4	23.50	0.00	24.00	18.84	0.00	20.00
		9400	1880.0	23.60			18.71		
		9538	1907.6	23.46			19.02		
	Subtest 2	9262	1852.4	23.28	0.00	24.00	18.79	0.00	20.00
		9400	1880.0	23.60			18.68		
		9538	1907.6	23.43			18.97		
	Subtest 3	9262	1852.4	22.78	0.50	23.50	18.29	0.50	19.50
		9400	1880.0	22.88			18.19		
		9538	1907.6	23.07			18.48		
	Subtest 4	9262	1852.4	22.78	0.50	23.50	18.32	0.50	19.50
		9400	1880.0	22.87			18.20		
		9538	1907.6	23.09			18.51		
HSPA+	Subtest 1	9262	1852.4	20.39	2.50	21.50	17.48	2.50	17.50
		9400	1880.0	20.33			17.40		
		9538	1907.6	20.62			17.42		

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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	18.00	N/A	18.50	19.31	N/A	19.80
		9400	1880.0	18.12			19.40		
		9538	1907.6	18.10			19.40		
HSDPA	Subtest 1	9262	1852.4	17.88	0.00	18.50	19.31	0.00	19.80
		9400	1880.0	17.72			19.22		
		9538	1907.6	17.76			19.28		
	Subtest 2	9262	1852.4	17.83	0.00	18.50	19.29	0.00	19.80
		9400	1880.0	17.68			19.17		
		9538	1907.6	17.69			19.42		
	Subtest 3	9262	1852.4	17.33	0.50	18.00	18.80	0.50	19.30
		9400	1880.0	17.19			18.69		
		9538	1907.6	17.19			18.92		
	Subtest 4	9262	1852.4	17.37	0.50	18.00	18.80	0.50	19.30
		9400	1880.0	17.23			18.68		
		9538	1907.6	17.22			18.89		
HSUPA	Subtest 1	9262	1852.4	17.84	0.00	18.50	19.28	0.00	19.80
		9400	1880.0	17.72			19.18		
		9538	1907.6	17.71			19.44		
	Subtest 2	9262	1852.4	15.84	2.00	16.50	17.32	2.00	17.80
		9400	1880.0	15.67			17.16		
		9538	1907.6	15.73			16.97		
	Subtest 3	9262	1852.4	16.85	1.00	17.50	18.29	1.00	18.80
		9400	1880.0	16.70			18.17		
		9538	1907.6	16.67			18.33		
	Subtest 4	9262	1852.4	15.84	2.00	16.50	17.27	2.00	17.80
		9400	1880.0	15.72			17.15		
		9538	1907.6	15.70			17.42		
	Subtest 5	9262	1852.4	17.40	0.00	18.50	18.82	0.00	19.80
		9400	1880.0	17.29			18.72		
		9538	1907.6	17.25			19.06		
DC-HSDPA	Subtest 1	9262	1852.4	17.88	0.00	18.50	19.32	0.00	19.80
		9400	1880.0	17.74			19.21		
		9538	1907.6	17.72			19.25		
	Subtest 2	9262	1852.4	17.85	0.00	18.50	19.28	0.00	19.80
		9400	1880.0	17.71			19.15		
		9538	1907.6	17.70			19.29		
	Subtest 3	9262	1852.4	17.34	0.50	18.00	18.82	0.50	19.30
		9400	1880.0	17.20			18.71		
		9538	1907.6	17.20			18.90		
	Subtest 4	9262	1852.4	17.39	0.50	18.00	18.82	0.50	19.30
		9400	1880.0	17.23			18.70		
		9538	1907.6	17.24			18.93		
HSPA+	Subtest 1	9262	1852.4	15.88	2.50	16.00	16.92	2.50	17.30
		9400	1880.0	15.56			16.78		
		9538	1907.6	15.66			16.68		

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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	23.74	N/A	24.00	16.70	N/A	17.80
		1413	1732.6	23.75			16.85		
		1513	1752.6	23.67			16.75		
HSDPA	Subtest 1	1312	1712.4	22.76	0.00	24.00	16.60	0.00	17.80
		1413	1732.6	22.65			16.54		
		1513	1752.6	22.68			16.45		
	Subtest 2	1312	1712.4	22.75	0.00	24.00	16.58	0.00	17.80
		1413	1732.6	22.67			16.54		
		1513	1752.6	22.68			16.41		
	Subtest 3	1312	1712.4	22.24	0.50	23.50	16.11	0.50	17.30
		1413	1732.6	22.16			16.02		
		1513	1752.6	22.17			15.90		
	Subtest 4	1312	1712.4	22.15	0.50	23.50	16.10	0.50	17.30
		1413	1732.6	22.17			16.02		
		1513	1752.6	22.16			15.89		
HSUPA	Subtest 1	1312	1712.4	22.76	0.00	24.00	16.59	0.00	17.80
		1413	1732.6	22.67			16.54		
		1513	1752.6	22.67			16.43		
	Subtest 2	1312	1712.4	20.73	2.00	22.00	14.61	2.00	15.80
		1413	1732.6	20.64			14.54		
		1513	1752.6	20.66			14.42		
	Subtest 3	1312	1712.4	21.73	1.00	23.00	15.59	1.00	16.80
		1413	1732.6	21.66			15.54		
		1513	1752.6	21.67			15.42		
	Subtest 4	1312	1712.4	20.77	2.00	22.00	14.60	2.00	15.80
		1413	1732.6	20.65			14.52		
		1513	1752.6	20.69			14.39		
	Subtest 5	1312	1712.4	23.26	0.00	24.00	16.69	0.00	17.80
		1413	1732.6	23.21			16.66		
		1513	1752.6	23.22			16.53		
DC-HSDPA	Subtest 1	1312	1712.4	22.76	0.00	24.00	16.66	0.00	17.80
		1413	1732.6	22.65			16.59		
		1513	1752.6	22.64			16.45		
	Subtest 2	1312	1712.4	22.76	0.00	24.00	16.62	0.00	17.80
		1413	1732.6	22.65			16.57		
		1513	1752.6	22.65			16.44		
	Subtest 3	1312	1712.4	22.25	0.50	23.50	16.13	0.50	17.30
		1413	1732.6	22.14			16.07		
		1513	1752.6	22.16			15.93		
	Subtest 4	1312	1712.4	22.26	0.50	23.50	16.11	0.50	17.30
		1413	1732.6	22.17			16.05		
		1513	1752.6	22.14			15.93		
HSPA+	Subtest 1	1312	1712.4	20.75	2.50	21.50	14.58	2.50	15.30
		1413	1732.6	20.71			14.60		
		1513	1752.6	20.72			14.50		

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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	1712.40	22.21	N/A	23.00	22.21	N/A	23.00
		1413	1732.60	22.23			22.23		
		1513	1752.60	22.00			22.00		
HSDPA	Subtest 1	1312	1712.40	21.81	0.00	23.00	21.81	0.00	23.00
		1413	1732.60	21.75			21.75		
		1513	1752.60	21.55			21.55		
	Subtest 2	1312	1712.40	21.78	0.00	23.00	21.78	0.00	23.00
		1413	1732.60	21.72			21.72		
		1513	1752.60	21.51			21.51		
	Subtest 3	1312	1712.40	21.29	0.50	22.50	21.29	0.50	22.50
		1413	1732.60	21.24			21.24		
		1513	1752.60	21.02			21.02		
	Subtest 4	1312	1712.40	21.27	0.50	22.50	21.27	0.50	22.50
		1413	1732.60	21.24			21.24		
		1513	1752.60	21.01			21.01		
HSUPA	Subtest 1	1312	1712.40	21.76	0.00	23.00	21.76	0.00	23.00
		1413	1732.60	21.72			21.72		
		1513	1752.60	21.76			21.76		
	Subtest 2	1312	1712.40	19.74	2.00	21.00	19.74	2.00	21.00
		1413	1732.60	19.71			19.71		
		1513	1752.60	19.52			19.52		
	Subtest 3	1312	1712.40	20.74	1.00	22.00	20.74	1.00	22.00
		1413	1732.60	20.73			20.73		
		1513	1752.60	20.52			20.52		
	Subtest 4	1312	1712.40	19.75	2.00	21.00	19.75	2.00	21.00
		1413	1732.60	19.72			19.72		
		1513	1752.60	19.52			19.52		
	Subtest 5	1312	1712.40	21.80	0.00	23.00	21.80	0.00	23.00
		1413	1732.60	21.78			21.78		
		1513	1752.60	21.56			21.56		
DC-HSDPA	Subtest 1	1312	1712.40	21.82	0.00	23.00	21.82	0.00	23.00
		1413	1732.60	21.77			21.77		
		1513	1752.60	21.54			21.54		
	Subtest 2	1312	1712.40	21.78	0.00	23.00	21.78	0.00	23.00
		1413	1732.60	21.72			21.72		
		1513	1752.60	21.50			21.50		
	Subtest 3	1312	1712.40	21.29	0.50	22.50	21.29	0.50	22.50
		1413	1732.60	21.26			21.26		
		1513	1752.60	21.01			21.01		
	Subtest 4	1312	1712.40	21.30	0.50	22.50	21.30	0.50	22.50
		1413	1732.60	21.23			21.23		
		1513	1752.60	21.00			21.00		
HSPA+	Subtest 1	1312	1712.40	19.70	2.50	20.50	19.70	2.50	20.50
		1413	1732.60	19.80			19.80		
		1513	1752.60	19.60			19.60		

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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	25.20	21.01	N/A	22.00
		1413	1732.6	24.50			21.10		
		1513	1752.6	24.61			21.05		
HSDPA	Subtest 1	1312	1712.4	24.28	0.00	25.20	20.64	0.00	22.00
		1413	1732.6	24.37			20.74		
		1513	1752.6	24.43			20.76		
	Subtest 2	1312	1712.4	24.39	0.00	25.20	20.71	0.00	22.00
		1413	1732.6	24.49			20.80		
		1513	1752.6	24.60			20.90		
	Subtest 3	1312	1712.4	23.72	0.50	24.70	20.05	0.50	21.50
		1413	1732.6	23.85			20.17		
		1513	1752.6	24.06			20.40		
	Subtest 4	1312	1712.4	23.77	0.50	24.70	20.12	0.50	21.50
		1413	1732.6	23.81			20.13		
		1513	1752.6	23.93			20.27		
HSUPA	Subtest 1	1312	1712.4	24.24	0.00	25.20	20.56	0.00	22.00
		1413	1732.6	24.44			20.75		
		1513	1752.6	24.50			20.83		
	Subtest 2	1312	1712.4	22.25	2.00	23.20	18.62	2.00	20.00
		1413	1732.6	22.36			18.69		
		1513	1752.6	22.38			18.72		
	Subtest 3	1312	1712.4	23.58	1.00	24.20	20.12	1.00	21.00
		1413	1732.6	23.27			19.64		
		1513	1752.6	23.22			19.53		
	Subtest 4	1312	1712.4	22.60	2.00	23.20	18.93	2.00	20.00
		1413	1732.6	22.25			18.59		
		1513	1752.6	22.44			18.76		
	Subtest 5	1312	1712.4	24.23	0.00	25.20	20.57	0.00	22.00
		1413	1732.6	24.40			20.92		
		1513	1752.6	24.26			20.60		
DC-HSDPA	Subtest 1	1312	1712.4	24.40	0.00	25.20	20.94	0.00	22.00
		1413	1732.6	24.40			20.82		
		1513	1752.6	24.37			20.74		
	Subtest 2	1312	1712.4	24.27	0.00	25.20	20.62	0.00	22.00
		1413	1732.6	24.48			20.82		
		1513	1752.6	24.36			20.73		
	Subtest 3	1312	1712.4	23.70	0.50	24.70	20.02	0.50	21.50
		1413	1732.6	23.79			20.14		
		1513	1752.6	24.00			20.36		
	Subtest 4	1312	1712.4	23.72	0.50	24.70	20.08	0.50	21.50
		1413	1732.6	23.75			20.11		
		1513	1752.6	23.97			20.34		
HSPA+	Subtest 1	1312	1712.4	21.33	2.50	22.70	18.69	2.50	19.50
		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	20.05	N/A	20.80	20.90	N/A	21.50
		1413	1732.6	20.09			20.90		
		1513	1752.6	20.08			20.87		
HSDPA	Subtest 1	1312	1712.4	19.43	0.00	20.80	20.46	0.00	21.50
		1413	1732.6	19.48			20.40		
		1513	1752.6	19.62			20.35		
	Subtest 2	1312	1712.4	19.45	0.00	20.80	20.41	0.00	21.50
		1413	1732.6	19.49			20.35		
		1513	1752.6	19.61			20.34		
	Subtest 3	1312	1712.4	18.97	0.50	20.30	19.92	0.50	21.00
		1413	1732.6	18.98			19.85		
		1513	1752.6	19.10			19.85		
	Subtest 4	1312	1712.4	18.95	0.50	20.30	19.92	0.50	21.00
		1413	1732.6	18.97			19.83		
		1513	1752.6	19.11			19.84		
HSUPA	Subtest 1	1312	1712.4	19.43	0.00	20.80	20.42	0.00	21.50
		1413	1732.6	19.48			20.34		
		1513	1752.6	19.58			20.36		
	Subtest 2	1312	1712.4	17.44	2.00	18.80	18.45	2.00	19.50
		1413	1732.6	17.48			18.38		
		1513	1752.6	17.62			18.37		
	Subtest 3	1312	1712.4	18.42	1.00	19.80	19.43	1.00	20.50
		1413	1732.6	18.46			19.35		
		1513	1752.6	18.59			19.35		
	Subtest 4	1312	1712.4	17.42	2.00	18.80	18.43	2.00	19.50
		1413	1732.6	17.45			18.35		
		1513	1752.6	17.62			18.38		
	Subtest 5	1312	1712.4	20.01	0.00	20.80	20.07	0.00	21.50
		1413	1732.6	20.03			20.01		
		1513	1752.6	20.20			20.00		
DC-HSDPA	Subtest 1	1312	1712.4	19.44	0.00	20.80	20.46	0.00	21.50
		1413	1732.6	19.47			20.38		
		1513	1752.6	19.65			20.37		
	Subtest 2	1312	1712.4	19.46	0.00	20.80	20.43	0.00	21.50
		1413	1732.6	19.49			20.37		
		1513	1752.6	19.61			20.33		
	Subtest 3	1312	1712.4	18.96	0.50	20.30	19.94	0.50	21.00
		1413	1732.6	18.99			19.86		
		1513	1752.6	19.09			19.84		
	Subtest 4	1312	1712.4	18.96	0.50	20.30	19.93	0.50	21.00
		1413	1732.6	18.98			19.86		
		1513	1752.6	19.09			19.83		
HSPA+	Subtest 1	1312	1712.4	17.71	2.50	18.30	18.77	2.50	19.00
		1413	1732.6	17.74			18.97		
		1513	1752.6	17.75			18.86		

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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	25.16	N/A	25.70	25.16	N/A	25.20
		4183	836.6	25.18			25.18		
		4233	846.6	25.14			25.14		
HSDPA	Subtest 1	4132	826.4	24.72	0.00	25.70	24.72	0.00	25.20
		4183	836.6	24.68			24.68		
		4233	846.6	24.62			24.62		
	Subtest 2	4132	826.4	24.71	0.00	25.70	24.71	0.00	25.20
		4183	836.6	24.66			24.66		
		4233	846.6	24.61			24.61		
	Subtest 3	4132	826.4	24.23	0.50	25.20	24.23	0.50	24.70
		4183	836.6	24.16			24.16		
		4233	846.6	24.13			24.13		
	Subtest 4	4132	826.4	24.23	0.50	25.20	24.23	0.50	24.70
		4183	836.6	24.16			24.16		
		4233	846.6	24.12			24.12		
HSUPA	Subtest 1	4132	826.4	24.72	0.00	25.70	24.72	0.00	25.20
		4183	836.6	24.68			24.68		
		4233	846.6	24.64			24.64		
	Subtest 2	4132	826.4	22.73	2.00	23.70	22.73	2.00	23.20
		4183	836.6	22.70			22.70		
		4233	846.6	22.62			22.62		
	Subtest 3	4132	826.4	23.73	1.00	24.70	23.73	1.00	24.20
		4183	836.6	23.70			23.70		
		4233	846.6	23.64			23.64		
	Subtest 4	4132	826.4	22.72	2.00	23.70	22.72	2.00	23.20
		4183	836.6	22.69			22.69		
		4233	846.6	22.64			22.64		
	Subtest 5	4132	826.4	24.27	0.00	25.70	24.27	0.00	25.20
		4183	836.6	24.23			24.23		
		4233	846.6	24.30			24.30		
DC-HSDPA	Subtest 1	4132	826.4	24.74	0.00	25.70	24.74	0.00	25.20
		4183	836.6	24.67			24.67		
		4233	846.6	24.61			24.61		
	Subtest 2	4132	826.4	24.72	0.00	25.70	24.72	0.00	25.20
		4183	836.6	24.66			24.66		
		4233	846.6	24.61			24.61		
	Subtest 3	4132	826.4	24.21	0.50	25.20	24.21	0.50	24.70
		4183	836.6	24.17			24.17		
		4233	846.6	24.11			24.11		
	Subtest 4	4132	826.4	24.21	0.50	25.20	24.21	0.50	24.70
		4183	836.6	24.17			24.17		
		4233	846.6	24.10			24.10		
HSPA+	Subtest 1	4132	826.4	22.70	2.50	23.20	22.70	2.50	22.70
		4183	836.6	22.68			22.68		
		4233	846.6	22.70			22.70		

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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	826.40	24.02	N/A	24.70	24.02	N/A	24.70
		4183	836.60	24.06			24.06		
		4233	846.60	23.88			23.88		
HSDPA	Subtest 1	4132	826.40	23.24	0.00	24.70	23.24	0.00	24.70
		4183	836.60	23.32			23.32		
		4233	846.60	23.39			23.39		
	Subtest 2	4132	826.40	23.33	0.00	24.70	23.33	0.00	24.70
		4183	836.60	23.41			23.41		
		4233	846.60	23.48			23.48		
	Subtest 3	4132	826.40	22.80	0.50	24.20	22.70	0.50	24.20
		4183	836.60	22.82			22.82		
		4233	846.60	23.03			23.03		
	Subtest 4	4132	826.40	22.71	0.50	24.20	22.71	0.50	24.20
		4183	836.60	22.78			22.78		
		4233	846.60	22.86			22.86		
HSUPA	Subtest 1	4132	826.40	23.22	0.00	24.70	23.22	0.00	24.70
		4183	836.60	23.41			23.41		
		4233	846.60	23.48			23.48		
	Subtest 2	4132	826.40	21.21	2.00	22.70	21.21	2.00	22.70
		4183	836.60	21.28			21.28		
		4233	846.60	21.36			21.36		
	Subtest 3	4132	826.40	22.20	1.00	23.70	22.20	1.00	23.70
		4183	836.60	22.23			22.23		
		4233	846.60	22.20			22.20		
	Subtest 4	4132	826.40	21.55	2.00	22.70	21.55	2.00	22.70
		4183	836.60	21.22			21.22		
		4233	846.60	21.42			21.42		
	Subtest 5	4132	826.40	23.20	0.00	24.70	23.20	0.00	24.70
		4183	836.60	23.55			23.55		
		4233	846.60	24.70			24.70		
DC-HSDPA	Subtest 1	4132	826.40	23.57	0.00	24.70	23.57	0.00	24.70
		4183	836.60	23.48			23.48		
		4233	846.60	23.32			23.32		
	Subtest 2	4132	826.40	23.40	0.00	24.70	23.40	0.00	24.70
		4183	836.60	23.46			23.46		
		4233	846.60	23.29			23.29		
	Subtest 3	4132	826.40	23.07	0.50	24.20	23.07	0.50	24.20
		4183	836.60	22.93			22.93		
		4233	846.60	22.93			22.93		
	Subtest 4	4132	826.40	22.84	0.50	24.20	22.84	0.50	24.20
		4183	836.60	22.97			22.97		
		4233	846.60	22.95			22.95		
HSPA+	Subtest 1	4132	826.40	21.25	2.50	22.20	21.25	2.50	22.20
		4183	836.60	21.19			21.19		
		4233	846.60	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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Output Power for CDMA

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

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

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

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

RF Air interface	Mode	Target Output Power (dBm)								Tolerance	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4			ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
CDMA BC0	1xRTT	23.00	23.00	22.50	22.50					0.5 / -1.0	23.50	23.50	23.00	23.00				
	1xAdvanced	23.00	23.00	22.50	22.50					0.5 / -1.0	23.50	23.50	23.00	23.00				
	1xEVDO Rel. 0	23.00	23.00	22.50	22.50					0.5 / -1.0	23.50	23.50	23.00	23.00				
	1xEVDO Rev. A	23.00	23.00	22.50	22.50					0.5 / -1.0	23.50	23.50	23.00	23.00				
CDMA BC1	1xRTT	25.20	19.50	20.20	21.20					0.5 / -1.0	25.70	20.00	20.70	21.70				
	1xAdvanced	25.20	19.50	20.20	21.20					0.5 / -1.0	25.70	20.00	20.70	21.70				
	1xEVDO Rel. 0	25.20	19.50	20.20	21.20					0.5 / -1.0	25.70	20.00	20.70	21.70				
	1xEVDO Rev. A	25.20	19.50	20.20	21.20					0.5 / -1.0	25.70	20.00	20.70	21.70				
CDMA BC10	1xRTT	25.20	24.70	24.20	24.20					0.5 / -1.0	25.70	25.20	24.70	24.70				
	1xAdvanced	25.20	24.70	24.20	24.20					0.5 / -1.0	25.70	25.20	24.70	24.70				
	1xEVDO Rel. 0	25.20	24.70	24.20	24.20					0.5 / -1.0	25.70	25.20	24.70	24.70				
	1xEVDO Rev. A	25.20	24.70	24.20	24.20					0.5 / -1.0	25.70	25.20	24.70	24.70				

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

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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	23.23	23.50	23.23	23.50
		384	836.52	23.24		23.24	
		777	848.31	23.27		23.27	
	RC3, SO55 (Loopback)	1013	824.70	23.27		23.27	
		384	836.52	23.34		23.34	
		777	848.31	23.32		23.32	
	RC3, SO32 (+F-SCH)	1013	824.70	23.23		23.23	
		384	836.52	23.43		23.43	
		777	848.31	23.26		23.26	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	1013	824.70	23.29	23.50	23.29	23.50
		384	836.52	23.25		23.25	
		777	848.31	23.26		23.26	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	1013	824.70	23.31	23.50	23.31	23.50
		384	836.52	23.33		23.33	
		777	848.31	23.29		23.29	
1xEv-Do Rev. A	307.2K, QPSK/ ACK channel is transmitted at all the slots	1013	824.70	23.29	23.50	23.29	23.50
		384	836.52	23.29		23.29	
		777	848.31	23.32		23.32	

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	22.63	23.00	22.63	23.00
		384	836.52	22.70		22.70	
		777	848.31	22.73		22.73	
	RC3, SO55 (Loopback)	1013	824.70	22.73		22.73	
		384	836.52	22.74		22.74	
		777	848.31	22.71		22.71	
	RC3, SO32 (+F-SCH)	1013	824.70	22.74		22.74	
		384	836.52	22.74		22.74	
		777	848.31	22.72		22.72	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	1013	824.70	22.55	23.00	22.55	23.00
		384	836.52	22.58		22.58	
		777	848.31	22.55		22.55	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	1013	824.70	22.73	23.00	22.73	23.00
		384	836.52	22.73		22.73	
		777	848.31	22.66		22.66	
1xEv-Do Rev. A	307.2K, QPSK/ ACK channel is transmitted at all the slots	1013	824.70	22.79	23.00	22.79	23.00
		384	836.52	22.74		22.74	
		777	848.31	22.73		22.73	

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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	24.83	25.70	19.39	20.00
		600	1880.00	24.89		19.36	
		1175	1908.75	24.80		19.40	
	RC3, SO55 (Loopback)	25	1851.25	24.76		19.32	
		600	1880.00	24.80		19.35	
		1175	1908.75	24.77		19.40	
	RC3, SO32 (+F-SCH)	25	1851.25	24.75		19.38	
		600	1880.00	24.84		19.40	
		1175	1908.75	24.79		19.40	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	25	1851.25	24.81	25.70	19.39	20.00
		600	1880	24.86		19.37	
		1175	1908.75	24.82		19.43	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	25	1851.25	24.77	25.70	19.40	20.00
		600	1880.00	24.79		19.36	
		1175	1908.75	24.77		19.38	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	25	1851.25	24.76	25.70	19.38	20.00
		600	1880	24.76		19.40	
		1175	1908.75	24.72		19.32	

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	20.20	20.70	21.33	21.70
		600	1880.00	20.22		21.36	
		1175	1908.75	20.19		21.33	
	RC3, SO55 (Loopback)	25	1851.25	20.16		21.35	
		600	1880.00	20.23		21.39	
		1175	1908.75	20.20		21.39	
	RC3, SO32 (+F-SCH)	25	1851.25	20.13		21.40	
		600	1880.00	20.18		21.41	
		1175	1908.75	20.14		21.40	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	25	1851.25	20.10	20.70	20.73	21.70
		600	1880	20.13		20.74	
		1175	1908.75	20.13		20.74	
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	25	1851.25	20.30	20.70	20.82	21.70
		600	1880.00	20.31		20.88	
		1175	1908.75	20.31		20.85	
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	25	1851.25	20.18	20.70	20.75	21.70
		600	1880	20.21		20.77	
		1175	1908.75	20.20		20.77	

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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	24.86	25.70	24.86	25.20
	RC3, SO55 (Loopback)	560	820.00	24.96		24.96	
	RC3, SO32 (+F-SCH)	560	820.00	24.93		24.93	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	560	820.00	24.88	25.70	24.88	25.20
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	560	820.00	24.90	25.70	24.90	25.20
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	560	820.00	24.96	25.70	24.96	25.20

CDMA BC10 Measured Results (ANT2)

Mode		Channel	Freq. (MHz)	Power Mode A (dBm)		Power Mode B (dBm)	
				Measured Pwr	Tune-up Limit	Measured Pwr	Tune-up Limit
1xRTT	RC1, SO55 (Loopback)	560	820.00	24.20	24.70	24.20	24.70
	RC3, SO55 (Loopback)	560	820.00	24.20		24.20	
	RC3, SO32 (+F-SCH)	560	820.00	24.20		24.20	
1xAdvanced	Fwd11/Rvs8 SO75 (Loopback)	560	820.00	24.20	24.70	24.20	24.70
1xEv-Do Rel. 0	307.2 kbps (2 slot, QPSK)	560	820.00	24.20	24.70	24.20	24.70
1xEv-Do Rev. A	307.2k, QPSK/ ACK channel is transmitted at all the slots	560	820.00	24.20	24.70	24.20	24.70

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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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Output Power for LTE

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

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

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

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

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

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

RF Air interface	Mode	Target Output Power (dBm)								Tolerance	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4			ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
LTE Band 2	QPSK	25.20	19.50	20.20	21.20	23.50	19.50	18.00	19.30	0.5 / -1.0	25.70	20.00	20.70	21.70	24.00	20.00	18.50	19.80
LTE Band 4	QPSK	23.50	17.30	22.50	22.50	24.70	21.50	20.30	21.00	0.5 / -1.0	24.00	17.80	23.00	23.00	25.20	22.00	20.80	21.50
LTE Band 5	QPSK	25.20	24.70	24.20	24.20					0.5 / -1.0	25.70	25.20	24.70	24.70				
LTE Band 7	QPSK	25.20	19.80	18.50	19.00	22.00	18.00	17.30	19.80	0.5 / -1.0	25.70	20.30	19.00	19.50	22.50	18.50	17.80	20.30
LTE Band 12	QPSK	25.20	25.20	24.20	24.20					0.5 / -1.0	25.70	25.70	24.70	24.70				
LTE Band 13	QPSK	25.20	25.20	24.20	24.20					0.5 / -1.0	25.70	25.70	24.70	24.70				
LTE Band 14	QPSK	25.20	25.20	24.20	24.20					0.5 / -1.0	25.70	25.70	24.70	24.70				
LTE Band 17	QPSK	25.20	25.20	24.20	24.20					0.5 / -1.0	25.70	25.70	24.70	24.70				
LTE Band 25	QPSK	25.20	19.50	20.20	21.20	23.50	19.50	18.00	19.30	0.5 / -1.0	25.70	20.00	20.70	21.70	24.00	20.00	18.50	19.80
LTE Band 26	QPSK	25.20	24.70	24.20	24.20					0.5 / -1.0	25.70	25.20	24.70	24.70				
LTE Band 30	QPSK	25.00	19.70	18.50	19.80	21.80	18.00	18.00	19.00	0.5 / -1.0	25.50	20.20	19.00	20.30	22.30	18.50	18.50	19.50
LTE Band 41 (PC3)	QPSK	25.20	23.50	20.00	20.00	25.00	19.30	18.50	20.50	0.5 / -1.0	25.70	24.00	20.50	20.50	25.50	19.80	19.00	21.00
LTE Band 41 (PC 2)	QPSK	27.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.5 / -1.0	27.50	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LTE Band 66	QPSK	23.50	17.30	22.50	22.50	24.70	21.50	20.30	21.00	0.5 / -1.0	24.00	17.80	23.00	23.00	25.20	22.00	20.80	21.50
LTE Band 71	QPSK	25.20	25.20	24.20	24.20					0.5 / -1.0	25.70	25.70	24.70	24.70				
RF Air interface	Mode	Target Output Power (dBm)								Tolerance	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT7		ANT8		ANT9		ANT4			ANT7		ANT8		ANT9		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
LTE Band 48	QPSK	25.10	22.00	22.50	22.50	24.70	24.00	20.80	21.80	0.5 / -1.0	25.60	22.50	23.00	23.00	25.20	24.50	21.30	22.30

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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)				
				20525	MPR	Tune-up Limit	20525	MPR	Tune-up Limit		
				836.5 MHz			836.5 MHz				
10 MHz	QPSK	1	0	25.33	0.00	25.70	24.93	0.00	25.20		
		1	25	25.35	0.00	25.70	24.94	0.00	25.20		
		1	49	25.31	0.00	25.70	24.91	0.00	25.20		
		25	0	24.34	1.00	24.70	23.84	0.50	24.70		
		25	12	24.42	1.00	24.70	23.92	0.50	24.70		
		25	25	24.36	1.00	24.70	23.86	0.50	24.70		
		50	0	24.41	1.00	24.70	23.91	0.50	24.70		
	16QAM	1	0	24.38	1.00	24.70	24.00	0.50	24.70		
		1	25	24.38	1.00	24.70	23.88	0.50	24.70		
		1	49	24.44	1.00	24.70	24.06	0.50	24.70		
		25	0	23.48	2.00	23.70	22.98	1.50	23.70		
		25	12	23.54	2.00	23.70	23.16	1.50	23.70		
		25	25	23.46	2.00	23.70	23.08	1.50	23.70		
		50	0	23.47	2.00	23.70	22.97	1.50	23.70		
	64QAM	1	0	23.62	2.00	23.70	23.14	1.50	23.70		
		1	25	23.57	2.00	23.70	23.19	1.50	23.70		
		1	49	23.57	2.00	23.70	23.07	1.50	23.70		
		25	0	22.48	3.00	22.70	22.10	2.50	22.70		
		25	12	22.54	3.00	22.70	22.16	2.50	22.70		
		25	25	22.50	3.00	22.70	22.00	2.50	22.70		
		50	0	22.46	3.00	22.70	22.08	2.50	22.70		
	256QAM	1	0	20.48	5.00	20.70	20.10	4.50	20.70		
		1	25	20.53	5.00	20.70	20.03	4.50	20.70		
		1	49	20.61	5.00	20.70	20.17	4.50	20.70		
		25	0	20.54	5.00	20.70	20.16	4.50	20.70		
		25	12	20.62	5.00	20.70	20.12	4.50	20.70		
		25	25	20.56	5.00	20.70	20.18	4.50	20.70		
		50	0	20.55	5.00	20.70	20.17	4.50	20.70		

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20425.00	20525.00	20625.00	MPR	Tune-up Limit	20425.00	20525.00	20625.00	MPR	Tune-up Limit
				826.5 MHz	836.5 MHz	846.5 MHz			826.5 MHz	836.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	25.46	25.41	25.46	0.00	25.70	25.06	25.01	25.06	0.00	25.20
		1	12	25.30	25.34	25.43	0.00	25.70	24.90	24.94	25.03	0.00	25.20
		1	24	25.27	25.30	25.40	0.00	25.70	24.89	24.92	25.02	0.00	25.20
		12	0	24.36	24.36	24.42	1.00	24.70	23.86	23.86	23.92	0.50	24.70
		12	7	24.39	24.41	24.49	1.00	24.70	24.01	24.03	24.11	0.50	24.70
		12	13	24.33	24.37	24.44	1.00	24.70	23.83	23.87	23.94	0.50	24.70
		25	0	24.36	24.37	24.43	1.00	24.70	23.86	23.87	23.93	0.50	24.70
	16QAM	1	0	24.56	24.59	24.66	1.00	24.70	24.18	24.20	24.20	0.50	24.70
		1	12	24.53	24.54	24.63	1.00	24.70	24.03	24.04	24.13	0.50	24.70
		1	24	24.45	24.48	24.56	1.00	24.70	24.07	24.10	24.18	0.50	24.70
		12	0	23.42	23.45	23.48	2.00	23.70	22.92	22.95	22.98	1.50	23.70
		12	7	23.44	23.47	23.54	2.00	23.70	23.06	23.09	23.16	1.50	23.70
		12	13	23.37	23.41	23.52	2.00	23.70	22.99	23.03	23.14	1.50	23.70
		25	0	23.31	23.35	23.41	2.00	23.70	22.81	22.85	22.91	1.50	23.70
	64QAM	1	0	23.36	23.37	23.69	2.00	23.70	22.98	22.99	23.12	1.50	23.70
		1	12	23.28	23.34	23.70	2.00	23.70	22.90	22.96	23.19	1.50	23.70
		1	24	23.29	23.25	23.69	2.00	23.70	22.79	22.75	23.19	1.50	23.70
		12	0	22.37	22.42	22.51	3.00	22.70	21.99	22.04	22.13	2.50	22.70
		12	7	22.46	22.48	22.57	3.00	22.70	22.08	22.10	22.19	2.50	22.70
		12	13	22.38	22.39	22.48	3.00	22.70	21.88	21.89	21.98	2.50	22.70
		25	0	22.37	22.39	22.46	3.00	22.70	21.99	22.01	22.08	2.50	22.70
	256QAM	1	0	20.53	20.54	20.37	5.00	20.70	20.15	20.16	19.99	4.50	20.70
		1	12	20.61	20.58	20.39	5.00	20.70	20.11	20.08	19.89	4.50	20.70
		1	24	20.50	20.48	20.30	5.00	20.70	20.12	20.10	19.92	4.50	20.70
		12	0	20.39	20.39	20.32	5.00	20.70	20.01	20.01	19.94	4.50	20.70
		12	7	20.48	20.46	20.31	5.00	20.70	19.98	19.96	19.81	4.50	20.70
		12	13	20.39	20.42	20.33	5.00	20.70	20.01	20.04	19.95	4.50	20.70
		25	0	20.40	20.41	20.30	5.00	20.70	20.02	20.03	19.92	4.50	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	25.33	25.34	25.39	0.00	25.70	24.93	24.94	24.99	0.00	25.20
		1	8	25.20	25.23	25.26	0.00	25.70	24.80	24.83	24.86	0.00	25.20
		1	14	25.22	25.24	25.30	0.00	25.70	24.84	24.86	24.92	0.00	25.20
		8	0	24.33	24.32	24.40	1.00	24.70	23.83	23.82	23.90	0.50	24.70
		8	4	24.36	24.37	24.38	1.00	24.70	23.98	23.99	24.00	0.50	24.70
		8	7	24.37	24.40	24.47	1.00	24.70	23.87	23.90	23.97	0.50	24.70
		15	0	24.37	24.37	24.41	1.00	24.70	23.87	23.87	23.91	0.50	24.70
	16QAM	1	0	24.52	24.54	24.62	1.00	24.70	24.14	24.16	24.18	0.50	24.70
		1	8	24.46	24.44	24.54	1.00	24.70	23.96	23.94	24.04	0.50	24.70
		1	14	24.38	24.40	24.46	1.00	24.70	24.00	24.02	24.08	0.50	24.70
		8	0	23.36	23.36	23.45	2.00	23.70	22.86	22.86	22.95	1.50	23.70
		8	4	23.44	23.44	23.46	2.00	23.70	23.06	23.06	23.08	1.50	23.70
		8	7	23.41	23.43	23.49	2.00	23.70	23.03	23.05	23.11	1.50	23.70
		15	0	23.36	23.38	23.38	2.00	23.70	22.86	22.88	22.88	1.50	23.70
	64QAM	1	0	23.61	23.64	23.60	2.00	23.70	23.00	23.03	22.99	1.50	23.70
		1	8	23.67	23.69	23.65	2.00	23.70	23.06	23.08	23.04	1.50	23.70
		1	14	23.61	23.59	23.64	2.00	23.70	23.11	23.09	23.14	1.50	23.70
		8	0	22.30	22.31	22.34	3.00	22.70	21.92	21.93	21.96	2.50	22.70
		8	4	22.37	22.38	22.36	3.00	22.70	21.99	22.00	21.98	2.50	22.70
		8	7	22.41	22.38	22.44	3.00	22.70	21.91	21.88	21.94	2.50	22.70
		15	0	22.44	22.40	22.47	3.00	22.70	22.06	22.02	22.09	2.50	22.70
	256QAM	1	0	20.17	20.16	20.52	5.00	20.70	19.79	19.78	20.14	4.50	20.70
		1	8	20.12	20.10	20.52	5.00	20.70	20.08	19.79	20.02	4.50	20.70
		1	14	20.13	20.11	20.52	5.00	20.70	19.75	19.73	20.14	4.50	20.70
		8	0	20.28	20.27	20.40	5.00	20.70	19.90	19.89	20.02	4.50	20.70
		8	4	20.38	20.35	20.45	5.00	20.70	19.88	19.85	19.95	4.50	20.70
		8	7	20.36	20.37	20.42	5.00	20.70	19.98	19.99	20.04	4.50	20.70
		15	0	20.49	20.48	20.38	5.00	20.70	20.11	20.10	20.00	4.50	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	25.25	25.26	25.32	0.00	25.70	24.85	24.86	24.92	0.00	25.20
		1	3	25.28	25.28	25.36	0.00	25.70	24.88	24.88	24.96	0.00	25.20
		1	5	25.22	25.21	25.31	0.00	25.70	24.84	24.83	24.93	0.00	25.20
		3	0	25.22	25.22	25.28	0.00	25.70	24.42	24.42	24.48	0.50	24.70
		3	1	25.28	25.28	25.35	0.00	25.70	24.60	24.60	24.67	0.50	24.70
		3	3	25.30	25.30	25.36	0.00	25.70	24.50	24.50	24.56	0.50	24.70
		6	0	24.25	24.28	24.41	1.00	24.70	23.75	23.78	23.91	0.50	24.70
	16QAM	1	0	24.38	24.40	24.19	1.00	24.70	24.00	24.02	23.81	0.50	24.70
		1	3	24.55	24.56	24.20	1.00	24.70	24.05	24.06	23.70	0.50	24.70
		1	5	24.38	24.39	24.13	1.00	24.70	24.00	24.01	23.75	0.50	24.70
		3	0	24.22	24.28	24.34	1.00	24.70	23.42	23.48	23.54	1.50	23.70
		3	1	24.27	24.31	24.42	1.00	24.70	23.59	23.63	23.70	1.50	23.70
		3	3	24.22	24.25	24.40	1.00	24.70	23.54	23.57	23.70	1.50	23.70
		6	0	22.94	22.93	23.31	2.00	23.70	23.54	23.43	23.31	1.50	23.70
	64QAM	1	0	23.32	23.56	23.44	2.00	23.70	22.94	23.18	23.06	1.50	23.70
		1	3	23.42	23.69	23.47	2.00	23.70	23.04	23.31	23.09	1.50	23.70
		1	5	23.32	23.63	23.43	2.00	23.70	22.82	23.13	22.93	1.50	23.70
		3	0	23.46	23.30	23.35	2.00	23.70	22.58	22.62	22.67	2.50	22.70
		3	1	23.50	23.33	23.40	2.00	23.70	22.63	22.65	22.70	2.50	22.70
		3	3	23.44	23.30	23.38	2.00	23.70	22.64	22.50	22.58	2.50	22.70
		6	0	22.65	22.41	22.49	3.00	22.70	22.27	22.03	22.11	2.50	22.70
	256QAM	1	0	20.36	20.20	20.23	5.00	20.70	19.98	19.82	19.85	4.50	20.70
		1	3	20.62	20.40	20.30	5.00	20.70	20.12	19.90	19.80	4.50	20.70
		1	5	20.39	20.24	20.20	5.00	20.70	20.01	19.86	19.82	4.50	20.70
		3	0	20.29	20.43	20.39	5.00	20.70	19.91	20.05	20.01	4.50	20.70
		3	1	20.36	20.44	20.40	5.00	20.70	19.86	19.94	19.90	4.50	20.70
		3	3	20.34	20.46	20.41	5.00	20.70	19.96	20.08	20.03	4.50	20.70
		6	0	20.19	20.35	20.28	5.00	20.70	19.81	19.97	19.90	4.50	20.70

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LTE Band 5 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)				
				20525.00	MPR	Tune-up Limit	20525.00	MPR	Tune-up Limit		
				836.5 MHz			836.5 MHz				
10 MHz	QPSK	1	0	24.02	0.00	24.70	24.02	0.00	24.70		
		1	25	24.23	0.00	24.70	24.23	0.00	24.70		
		1	49	24.13	0.00	24.70	24.13	0.00	24.70		
		25	0	23.08	1.00	23.70	23.08	1.00	23.70		
		25	12	23.14	1.00	23.70	23.14	1.00	23.70		
		25	25	23.10	1.00	23.70	23.10	1.00	23.70		
		50	0	23.13	1.00	23.70	23.13	1.00	23.70		
	16QAM	1	0	23.02	1.00	23.70	23.02	1.00	23.70		
		1	25	23.00	1.00	23.70	23.00	1.00	23.70		
		1	49	23.05	1.00	23.70	23.05	1.00	23.70		
		25	0	22.09	2.00	22.70	22.09	2.00	22.70		
		25	12	22.17	2.00	22.70	22.17	2.00	22.70		
		25	25	22.11	2.00	22.70	22.11	2.00	22.70		
		50	0	22.09	2.00	22.70	22.09	2.00	22.70		
	64QAM	1	0	22.20	2.00	22.70	22.20	2.00	22.70		
		1	25	22.08	2.00	22.70	22.08	2.00	22.70		
		1	49	22.03	2.00	22.70	22.03	2.00	22.70		
		25	0	20.97	3.00	21.70	20.97	3.00	21.70		
		25	12	21.04	3.00	21.70	21.04	3.00	21.70		
		25	25	21.00	3.00	21.70	21.00	3.00	21.70		
		50	0	20.97	3.00	21.70	20.97	3.00	21.70		
	256QAM	1	0	18.75	5.00	19.70	18.75	5.00	19.70		
		1	25	18.95	5.00	19.70	18.95	5.00	19.70		
		1	49	19.02	5.00	19.70	19.02	5.00	19.70		
		25	0	18.98	5.00	19.70	18.98	5.00	19.70		
		25	12	19.05	5.00	19.70	19.05	5.00	19.70		
		25	25	18.98	5.00	19.70	18.98	5.00	19.70		
		50	0	18.98	5.00	19.70	18.98	5.00	19.70		

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20425.00	20525.00	20625.00	MPR	Tune-up Limit	20425.00	20525.00	20625.00	MPR	Tune-up Limit
				826.5 MHz	836.5 MHz	846.5 MHz			826.5 MHz	836.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	24.14	24.15	24.04	0.00	24.70	24.14	24.15	24.04	0.00	24.70
		1	12	24.08	24.11	23.98	0.00	24.70	24.08	24.11	23.98	0.00	24.70
		1	24	24.01	24.11	23.91	0.00	24.70	24.01	24.11	23.91	0.00	24.70
		12	0	23.09	23.06	22.99	1.00	23.70	23.09	23.06	22.99	1.00	23.70
		12	7	23.11	23.11	23.05	1.00	23.70	23.11	23.11	23.05	1.00	23.70
		12	13	23.08	23.04	22.99	1.00	23.70	23.08	23.04	22.99	1.00	23.70
		25	0	23.09	23.08	23.04	1.00	23.70	23.09	23.08	23.04	1.00	23.70
	16QAM	1	0	23.10	23.12	23.20	1.00	23.70	23.10	23.12	23.20	1.00	23.70
		1	12	23.17	23.12	23.20	1.00	23.70	23.17	23.12	23.20	1.00	23.70
		1	24	23.18	23.14	23.18	1.00	23.70	23.18	23.14	23.18	1.00	23.70
		12	0	22.15	22.16	22.20	2.00	22.70	22.15	22.16	22.20	2.00	22.70
		12	7	22.20	22.17	22.20	2.00	22.70	22.20	22.17	22.20	2.00	22.70
		12	13	22.15	22.13	22.15	2.00	22.70	22.15	22.13	22.15	2.00	22.70
		25	0	22.08	22.11	22.10	2.00	22.70	22.08	22.11	22.10	2.00	22.70
	64QAM	1	0	22.20	22.10	21.91	2.00	22.70	22.20	22.10	21.91	2.00	22.70
		1	12	22.20	22.10	21.93	2.00	22.70	22.20	22.10	21.93	2.00	22.70
		1	24	22.05	22.10	21.91	2.00	22.70	22.05	22.10	21.91	2.00	22.70
		12	0	21.09	21.16	20.98	3.00	21.70	21.09	21.16	20.98	3.00	21.70
		12	7	21.15	21.17	20.98	3.00	21.70	21.15	21.17	20.98	3.00	21.70
		12	13	21.05	21.16	20.97	3.00	21.70	21.05	21.16	20.97	3.00	21.70
		25	0	21.12	21.17	20.96	3.00	21.70	21.12	21.17	20.96	3.00	21.70
	256QAM	1	0	19.12	19.10	18.88	5.00	19.70	19.12	19.10	18.88	5.00	19.70
		1	12	19.16	19.15	18.95	5.00	19.70	19.16	19.15	18.95	5.00	19.70
		1	24	19.04	19.09	18.82	5.00	19.70	19.04	19.09	18.82	5.00	19.70
		12	0	18.84	19.10	19.03	5.00	19.70	18.84	19.10	19.03	5.00	19.70
		12	7	18.96	19.14	19.10	5.00	19.70	18.96	19.14	19.10	5.00	19.70
		12	13	19.17	19.07	19.03	5.00	19.70	19.17	19.07	19.03	5.00	19.70
		25	0	19.14	19.14	19.14	5.00	19.70	19.14	19.14	19.14	5.00	19.70

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LTE Band 5 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20415.00	20525.00	20635.00			20415.00	20525.00	20635.00		
				825.5 MHz	836.5 MHz	847.5 MHz			825.5 MHz	836.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	24.03	24.04	24.04	0.00	24.70	24.03	24.04	24.04	0.00	24.70
		1	8	23.92	23.94	23.90	0.00	24.70	23.92	23.94	23.90	0.00	24.70
		1	14	23.97	23.96	23.96	0.00	24.70	23.97	23.96	23.96	0.00	24.70
		8	0	23.13	23.03	23.00	1.00	23.70	23.13	23.03	23.00	1.00	23.70
		8	4	23.09	23.09	23.02	1.00	23.70	23.09	23.09	23.02	1.00	23.70
		8	7	23.07	23.07	23.03	1.00	23.70	23.07	23.07	23.03	1.00	23.70
		15	0	23.09	23.10	22.96	1.00	23.70	23.09	23.10	22.96	1.00	23.70
	16QAM	1	0	23.20	23.05	23.20	1.00	23.70	23.20	23.05	23.20	1.00	23.70
		1	8	23.14	22.97	23.16	1.00	23.70	23.14	22.97	23.16	1.00	23.70
		1	14	23.10	22.93	23.17	1.00	23.70	23.10	22.93	23.17	1.00	23.70
		8	0	22.18	22.17	22.06	2.00	22.70	22.18	22.17	22.06	2.00	22.70
		8	4	22.17	22.18	22.15	2.00	22.70	22.17	22.18	22.15	2.00	22.70
		8	7	22.14	22.20	22.14	2.00	22.70	22.14	22.20	22.14	2.00	22.70
		15	0	22.09	22.11	22.04	2.00	22.70	22.09	22.11	22.04	2.00	22.70
	64QAM	1	0	22.20	22.09	21.91	2.00	22.70	22.20	22.09	21.91	2.00	22.70
		1	8	22.19	22.08	21.92	2.00	22.70	22.19	22.08	21.92	2.00	22.70
		1	14	22.13	22.08	21.91	2.00	22.70	22.13	22.08	21.91	2.00	22.70
		8	0	21.12	21.09	20.92	3.00	21.70	21.12	21.09	20.92	3.00	21.70
		8	4	21.15	21.09	20.91	3.00	21.70	21.15	21.09	20.91	3.00	21.70
		8	7	21.14	21.09	20.90	3.00	21.70	21.14	21.09	20.90	3.00	21.70
		15	0	21.20	21.10	20.90	3.00	21.70	21.20	21.10	20.90	3.00	21.70
	256QAM	1	0	19.05	18.95	18.86	5.00	19.70	19.05	18.95	18.86	5.00	19.70
		1	8	19.16	18.90	18.79	5.00	19.70	19.16	18.90	18.79	5.00	19.70
		1	14	19.03	18.85	18.80	5.00	19.70	19.03	18.85	18.80	5.00	19.70
		8	0	19.11	19.17	18.98	5.00	19.70	19.11	19.17	18.98	5.00	19.70
		8	4	19.09	19.20	19.04	5.00	19.70	19.09	19.20	19.04	5.00	19.70
		8	7	19.07	19.20	19.03	5.00	19.70	19.07	19.20	19.03	5.00	19.70
		15	0	19.05	19.19	19.07	5.00	19.70	19.05	19.19	19.07	5.00	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				20407.00	20525.00	20643.00			20407.00	20525.00	20643.00		
				824.7 MHz	836.5 MHz	848.3 MHz			824.7 MHz	836.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	23.94	24.04	23.95	0.00	24.70	23.94	24.04	23.95	0.00	24.70
		1	3	24.00	24.15	23.98	0.00	24.70	24.00	24.15	23.98	0.00	24.70
		1	5	23.95	23.99	23.92	0.00	24.70	23.95	23.99	23.92	0.00	24.70
		3	0	23.94	23.97	23.89	0.00	24.70	23.94	23.97	23.89	0.00	24.70
		3	1	23.98	24.00	23.95	0.00	24.70	23.98	24.00	23.95	0.00	24.70
		3	3	23.99	23.98	23.96	0.00	24.70	23.99	23.98	23.96	0.00	24.70
		6	0	23.04	23.07	22.97	1.00	23.70	23.04	23.07	22.97	1.00	23.70
	16QAM	1	0	23.09	23.12	23.18	1.00	23.70	23.09	23.12	23.18	1.00	23.70
		1	3	23.15	23.08	23.15	1.00	23.70	23.15	23.08	23.15	1.00	23.70
		1	5	23.08	23.12	23.16	1.00	23.70	23.08	23.12	23.16	1.00	23.70
		3	0	23.06	23.13	23.06	1.00	23.70	23.06	23.13	23.06	1.00	23.70
		3	1	23.11	23.16	23.02	1.00	23.70	23.11	23.16	23.02	1.00	23.70
		3	3	23.12	23.10	23.03	1.00	23.70	23.12	23.10	23.03	1.00	23.70
		6	0	22.05	22.04	21.94	2.00	22.70	22.05	22.04	21.94	2.00	22.70
	64QAM	1	0	22.11	21.79	21.90	2.00	22.70	22.11	21.79	21.90	2.00	22.70
		1	3	22.12	21.79	21.84	2.00	22.70	22.12	21.79	21.84	2.00	22.70
		1	5	22.19	21.79	21.79	2.00	22.70	22.19	21.79	21.79	2.00	22.70
		3	0	22.05	21.79	21.79	2.00	22.70	22.05	21.79	21.79	2.00	22.70
		3	1	21.97	21.80	21.79	2.00	22.70	21.97	21.80	21.79	2.00	22.70
		3	3	22.04	21.81	21.79	2.00	22.70	22.04	21.81	21.79	2.00	22.70
		6	0	20.75	20.79	20.80	3.00	21.70	20.75	20.79	20.80	3.00	21.70
	256QAM	1	0	19.13	18.84	19.00	5.00	19.70	19.13	18.84	19.00	5.00	19.70
		1	3	19.14	18.83	19.05	5.00	19.70	19.14	18.83	19.05	5.00	19.70
		1	5	19.14	18.78	18.95	5.00	19.70	19.14	18.78	18.95	5.00	19.70
		3	0	19.11	18.91	19.09	5.00	19.70	19.11	18.91	19.09	5.00	19.70
		3	1	19.08	18.92	19.13	5.00	19.70	19.08	18.92	19.13	5.00	19.70
		3	3	19.09	18.90	19.13	5.00	19.70	19.09	18.90	19.13	5.00	19.70
		6	0	18.95	19.07	19.04	5.00	19.70	18.95	19.07	19.04	5.00	19.70

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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	24.82	24.89	24.72	0.00	25.70	19.83	19.80	19.67	0.00	20.30
		1	49	24.87	24.94	24.77	0.00	25.70	19.85	19.90	19.70	0.00	20.30
		1	99	24.85	24.80	24.71	0.00	25.70	19.76	19.76	19.65	0.00	20.30
		50	0	24.35	24.33	24.17	1.00	24.70	19.87	19.91	19.74	0.00	20.30
		50	24	24.35	24.35	24.29	1.00	24.70	19.95	19.96	19.87	0.00	20.30
		50	50	24.35	24.33	24.26	1.00	24.70	19.88	19.91	19.80	0.00	20.30
		100	0	24.35	24.35	24.24	1.00	24.70	19.94	19.95	19.83	0.00	20.30
	16QAM	1	0	24.30	24.14	24.15	1.00	24.70	19.95	19.95	19.78	0.00	20.30
		1	49	24.18	24.13	24.22	1.00	24.70	19.95	19.94	19.87	0.00	20.30
		1	99	24.17	24.07	24.10	1.00	24.70	19.87	19.92	19.79	0.00	20.30
		50	0	23.08	23.02	22.91	2.00	23.70	19.57	19.56	19.42	0.00	20.30
		50	24	23.14	23.11	23.04	2.00	23.70	19.64	19.64	19.54	0.00	20.30
		50	50	23.07	23.07	22.98	2.00	23.70	19.59	19.58	19.53	0.00	20.30
		100	0	23.11	23.12	22.98	2.00	23.70	19.64	19.65	19.54	0.00	20.30
	64QAM	1	0	23.19	23.07	23.04	2.00	23.70	19.93	19.55	19.56	0.00	20.30
		1	49	23.32	23.05	23.05	2.00	23.70	19.95	19.78	19.71	0.00	20.30
		1	99	23.23	23.05	23.03	2.00	23.70	19.89	19.63	19.65	0.00	20.30
		50	0	22.12	22.05	22.05	3.00	22.70	19.72	19.60	19.48	0.00	20.30
		50	24	22.18	22.09	22.03	3.00	22.70	19.81	19.69	19.54	0.00	20.30
		50	50	22.15	22.05	22.04	3.00	22.70	19.74	19.64	19.52	0.00	20.30
		100	0	22.16	22.05	22.03	3.00	22.70	19.75	19.69	19.53	0.00	20.30
	256QAM	1	0	20.02	20.11	19.98	5.00	20.70	19.68	19.38	19.40	0.00	20.30
		1	49	20.05	20.27	20.16	5.00	20.70	19.79	19.52	19.42	0.00	20.30
		1	99	19.96	20.15	20.07	5.00	20.70	19.70	19.42	19.37	0.00	20.30
		50	0	20.14	20.05	19.96	5.00	20.70	19.64	19.54	19.48	0.00	20.30
		50	24	20.20	20.17	20.04	5.00	20.70	19.70	19.68	19.61	0.00	20.30
		50	50	20.17	20.11	20.01	5.00	20.70	19.64	19.63	19.59	0.00	20.30
		100	0	20.19	20.09	20.00	5.00	20.70	19.65	19.62	19.56	0.00	20.30
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	24.67	24.68	24.45	0.00	25.70	19.87	19.86	19.74	0.00	20.30
		1	37	24.59	24.62	24.47	0.00	25.70	19.89	19.90	19.75	0.00	20.30
		1	74	24.59	24.56	24.45	0.00	25.70	19.82	19.85	19.71	0.00	20.30
		36	0	24.22	24.09	23.96	1.00	24.70	19.97	19.89	19.76	0.00	20.30
		36	20	24.16	24.18	24.07	1.00	24.70	19.98	19.99	19.87	0.00	20.30
		36	39	24.13	24.12	23.99	1.00	24.70	19.93	19.92	19.81	0.00	20.30
		75	0	24.32	24.31	24.24	1.00	24.70	19.94	19.94	19.83	0.00	20.30
	16QAM	1	0	24.22	24.26	23.82	1.00	24.70	19.86	19.84	19.83	0.00	20.30
		1	37	23.90	23.98	23.86	1.00	24.70	19.95	19.91	19.93	0.00	20.30
		1	74	24.19	24.32	23.73	1.00	24.70	19.91	19.89	19.87	0.00	20.30
		36	0	23.18	23.04	22.91	2.00	23.70	19.65	19.58	19.45	0.00	20.30
		36	20	23.18	23.13	23.03	2.00	23.70	19.68	19.67	19.55	0.00	20.30
		36	39	23.12	23.05	22.97	2.00	23.70	19.63	19.62	19.51	0.00	20.30
		75	0	23.11	23.10	22.98	2.00	23.70	19.68	19.65	19.51	0.00	20.30
	64QAM	1	0	23.21	23.21	22.88	2.00	23.70	19.91	19.88	19.77	0.00	20.30
		1	37	23.24	23.21	22.86	2.00	23.70	19.95	19.95	19.79	0.00	20.30
		1	74	23.15	23.19	22.87	2.00	23.70	19.94	19.89	19.76	0.00	20.30
		36	0	22.23	22.18	21.88	3.00	22.70	19.79	19.65	19.52	0.00	20.30
		36	20	22.25	22.20	21.87	3.00	22.70	19.80	19.75	19.60	0.00	20.30
		36	39	22.22	22.21	21.87	3.00	22.70	19.77	19.71	19.59	0.00	20.30
		75	0	22.18	22.22	21.87	3.00	22.70	19.74	19.67	19.56	0.00	20.30
	256QAM	1	0	19.78	20.15	20.33	5.00	20.70	19.85	19.86	19.90	0.00	20.30
		1	37	19.86	20.26	20.08	5.00	20.70	19.90	19.89	19.95	0.00	20.30
		1	74	19.83	20.18	20.31	5.00	20.70	19.88	19.86	19.90	0.00	20.30
		36	0	20.17	20.06	19.98	5.00	20.70	19.77	19.63	19.56	0.00	20.30
		36	20	20.19	20.16	20.04	5.00	20.70	19.74	19.71	19.62	0.00	20.30
		36	39	20.15	20.08	20.02	5.00	20.70	19.71	19.67	19.59	0.00	20.30
		75	0	20.15	20.12	20.01	5.00	20.70	19.73	19.67	19.60	0.00	20.30

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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	24.56	24.56	24.52	0.00	25.70	19.76	19.73	19.63	0.00	20.30
		1	25	24.50	24.50	24.42	0.00	25.70	19.75	19.79	19.59	0.00	20.30
		1	49	24.55	24.50	24.40	0.00	25.70	19.79	19.70	19.56	0.00	20.30
		25	0	24.23	24.18	24.19	1.00	24.70	19.94	19.98	19.73	0.00	20.30
		25	12	24.25	24.18	24.18	1.00	24.70	19.98	19.98	19.76	0.00	20.30
		25	25	24.20	24.13	24.19	1.00	24.70	19.94	19.96	19.77	0.00	20.30
		50	0	24.21	24.16	24.20	1.00	24.70	19.95	19.96	19.75	0.00	20.30
	16QAM	1	0	24.10	24.00	24.31	1.00	24.70	19.62	19.64	19.48	0.00	20.30
		1	25	23.99	23.97	24.22	1.00	24.70	19.52	19.57	19.42	0.00	20.30
		1	49	24.07	23.92	24.20	1.00	24.70	19.58	19.48	19.40	0.00	20.30
		25	0	23.24	23.17	22.95	2.00	23.70	19.75	19.78	19.56	0.00	20.30
		25	12	23.30	23.15	22.95	2.00	23.70	19.79	19.82	19.59	0.00	20.30
		25	25	23.26	23.12	22.96	2.00	23.70	19.75	19.76	19.60	0.00	20.30
		50	0	23.22	23.10	22.90	2.00	23.70	19.71	19.71	19.49	0.00	20.30
	64QAM	1	0	23.22	23.24	22.93	2.00	23.70	19.90	19.82	19.70	0.00	20.30
		1	25	23.24	23.25	22.94	2.00	23.70	19.90	19.86	19.69	0.00	20.30
		1	49	23.22	23.25	22.93	2.00	23.70	19.93	19.84	19.67	0.00	20.30
		25	0	22.27	22.25	21.92	3.00	22.70	19.74	19.76	19.52	0.00	20.30
		25	12	22.31	22.26	21.92	3.00	22.70	19.81	19.78	19.54	0.00	20.30
		25	25	22.28	22.26	21.93	3.00	22.70	19.79	19.73	19.57	0.00	20.30
		50	0	22.21	22.24	21.93	3.00	22.70	19.75	19.71	19.45	0.00	20.30
	256QAM	1	0	19.89	20.02	20.34	5.00	20.70	19.91	19.86	19.95	0.00	20.30
		1	25	19.86	20.06	20.27	5.00	20.70	19.88	19.89	19.94	0.00	20.30
		1	49	19.91	20.07	20.35	5.00	20.70	19.95	19.90	19.93	0.00	20.30
		25	0	20.23	20.22	19.93	5.00	20.70	19.73	19.73	19.56	0.00	20.30
		25	12	20.24	20.25	20.00	5.00	20.70	19.83	19.76	19.53	0.00	20.30
		25	25	20.23	20.19	20.03	5.00	20.70	19.83	19.76	19.60	0.00	20.30
		50	0	20.18	20.18	19.95	5.00	20.70	19.80	19.75	19.55	0.00	20.30

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	24.72	24.64	24.46	0.00	25.70	19.88	19.87	19.71	0.00	20.30
		1	12	24.65	24.68	24.39	0.00	25.70	19.87	19.89	19.68	0.00	20.30
		1	24	24.67	24.65	24.38	0.00	25.70	19.90	19.86	19.65	0.00	20.30
		12	0	24.19	24.14	24.21	1.00	24.70	19.87	19.99	19.76	0.00	20.30
		12	7	24.19	24.14	24.18	1.00	24.70	19.94	19.96	19.76	0.00	20.30
		12	13	24.19	24.11	24.13	1.00	24.70	19.93	19.95	19.74	0.00	20.30
		25	0	24.19	24.09	24.14	1.00	24.70	19.91	19.97	19.74	0.00	20.30
	16QAM	1	0	24.22	24.19	24.15	1.00	24.70	19.66	19.75	19.57	0.00	20.30
		1	12	24.28	24.13	24.26	1.00	24.70	19.65	19.78	19.54	0.00	20.30
		1	24	24.21	24.14	24.29	1.00	24.70	19.70	19.73	19.50	0.00	20.30
		12	0	23.20	23.15	23.06	2.00	23.70	19.70	19.79	19.55	0.00	20.30
		12	7	23.18	23.12	23.03	2.00	23.70	19.69	19.74	19.53	0.00	20.30
		12	13	23.18	23.14	23.03	2.00	23.70	19.68	19.72	19.54	0.00	20.30
		25	0	23.08	23.12	22.92	2.00	23.70	19.63	19.64	19.43	0.00	20.30
	64QAM	1	0	23.29	23.10	22.96	2.00	23.70	19.57	19.49	19.64	0.00	20.30
		1	12	23.21	23.10	22.95	2.00	23.70	19.53	19.53	19.57	0.00	20.30
		1	24	22.97	23.11	22.96	2.00	23.70	19.60	19.54	19.59	0.00	20.30
		12	0	22.19	22.10	21.97	3.00	22.70	19.69	19.72	19.52	0.00	20.30
		12	7	22.21	22.09	21.96	3.00	22.70	19.72	19.68	19.50	0.00	20.30
		12	13	22.21	22.09	21.96	3.00	22.70	19.69	19.70	19.48	0.00	20.30
		25	0	22.15	22.08	21.96	3.00	22.70	19.67	19.66	19.43	0.00	20.30
	256QAM	1	0	20.15	19.92	20.08	5.00	20.70	19.53	19.48	19.49	0.00	20.30
		1	12	20.13	19.96	19.98	5.00	20.70	19.48	19.42	19.37	0.00	20.30
		1	24	20.18	19.98	20.01	5.00	20.70	19.56	19.51	19.40	0.00	20.30
		12	0	20.14	20.12	19.99	5.00	20.70	19.68	19.67	19.47	0.00	20.30
		12	7	20.13	20.12	20.01	5.00	20.70	19.68	19.69	19.45	0.00	20.30
		12	13	20.17	20.12	19.94	5.00	20.70	19.69	19.67	19.44	0.00	20.30
		25	0	20.18	20.17	19.91	5.00	20.70	19.77	19.74	19.50	0.00	20.30

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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)				
				20850.00	21100.00	21350.00	MPR	Tune-up Limit	20850.00	21100.00	21350.00	MPR	Tune-up Limit
				2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	18.69	18.69	18.59	0.00	19.00	18.69	18.69	18.59	0.00	19.50
		1	49	18.70	18.70	18.60	0.00	19.00	18.70	18.70	18.60	0.00	19.50
		1	99	18.57	18.56	18.47	0.00	19.00	18.57	18.56	18.47	0.00	19.50
		50	0	18.61	18.67	18.69	0.00	19.00	18.61	18.67	18.69	0.00	19.50
		50	24	18.69	18.75	18.69	0.00	19.00	18.69	18.75	18.69	0.00	19.50
		50	50	18.55	18.69	18.52	0.00	19.00	18.55	18.69	18.52	0.00	19.50
		100	0	18.65	18.68	18.66	0.00	19.00	18.65	18.68	18.66	0.00	19.50
	16QAM	1	0	18.66	18.69	18.51	0.00	19.00	18.66	18.69	18.51	0.00	19.50
		1	49	18.61	18.68	18.41	0.00	19.00	18.61	18.68	18.41	0.00	19.50
		1	99	18.59	18.55	18.32	0.00	19.00	18.59	18.55	18.32	0.00	19.50
		50	0	18.59	18.62	18.40	0.00	19.00	18.59	18.62	18.40	0.00	19.50
		50	24	18.58	18.57	18.40	0.00	19.00	18.58	18.57	18.40	0.00	19.50
		50	50	18.54	18.42	18.24	0.00	19.00	18.54	18.42	18.24	0.00	19.50
		100	0	18.59	18.57	18.33	0.00	19.00	18.59	18.57	18.33	0.00	19.50
	64QAM	1	0	18.69	18.69	18.55	0.00	19.00	18.69	18.69	18.55	0.00	19.50
		1	49	18.65	18.68	18.58	0.00	19.00	18.65	18.68	18.58	0.00	19.50
		1	99	18.66	18.68	18.52	0.00	19.00	18.66	18.68	18.52	0.00	19.50
		50	0	18.65	18.62	18.41	0.00	19.00	18.65	18.62	18.41	0.00	19.50
		50	24	18.65	18.69	18.40	0.00	19.00	18.65	18.69	18.40	0.00	19.50
		50	50	18.66	18.67	18.28	0.00	19.00	18.66	18.67	18.28	0.00	19.50
		100	0	18.66	18.67	18.36	0.00	19.00	18.66	18.67	18.36	0.00	19.50
	256QAM	1	0	17.77	17.68	17.27	0.80	18.20	17.77	17.68	17.27	1.30	18.20
		1	49	18.01	17.99	17.56	0.80	18.20	18.01	17.99	17.56	1.30	18.20
		1	99	18.07	17.81	17.45	0.80	18.20	18.07	17.81	17.45	1.30	18.20
		50	0	17.95	17.91	17.75	0.80	18.20	17.95	17.91	17.75	1.30	18.20
		50	24	17.92	17.89	17.74	0.80	18.20	17.92	17.89	17.74	1.30	18.20
		50	50	17.92	17.71	17.62	0.80	18.20	17.92	17.71	17.62	1.30	18.20
		100	0	17.90	17.87	17.71	0.80	18.20	17.90	17.87	17.71	1.30	18.20

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	18.69	18.54	18.38	0.00	19.00	18.69	18.54	18.38	0.00	19.50
		1	37	18.59	18.47	18.22	0.00	19.00	18.59	18.47	18.22	0.00	19.50
		1	74	18.58	18.32	18.22	0.00	19.00	18.58	18.32	18.22	0.00	19.50
		36	0	18.69	18.62	18.42	0.00	19.00	18.69	18.62	18.42	0.00	19.50
		36	20	18.69	18.57	18.38	0.00	19.00	18.69	18.57	18.38	0.00	19.50
		36	39	18.62	18.53	18.34	0.00	19.00	18.62	18.53	18.34	0.00	19.50
		75	0	18.64	18.54	18.35	0.00	19.00	18.64	18.54	18.35	0.00	19.50
	16QAM	1	0	18.50	18.16	18.46	0.00	19.00	18.50	18.16	18.46	0.00	19.50
		1	37	18.60	18.14	18.36	0.00	19.00	18.60	18.14	18.36	0.00	19.50
		1	74	18.50	18.00	18.35	0.00	19.00	18.50	18.00	18.35	0.00	19.50
		36	0	18.34	18.26	18.10	0.00	19.00	18.34	18.26	18.10	0.00	19.50
		36	20	18.32	18.22	18.08	0.00	19.00	18.32	18.22	18.08	0.00	19.50
		36	39	18.27	18.15	18.02	0.00	19.00	18.27	18.15	18.02	0.00	19.50
		75	0	18.29	18.22	18.04	0.00	19.00	18.29	18.22	18.04	0.00	19.50
	64QAM	1	0	18.25	18.24	18.67	0.00	19.00	18.25	18.24	18.67	0.00	19.50
		1	37	18.25	18.23	18.60	0.00	19.00	18.25	18.23	18.60	0.00	19.50
		1	74	18.25	18.23	18.52	0.00	19.00	18.25	18.23	18.52	0.00	19.50
		36	0	18.25	18.22	18.08	0.00	19.00	18.25	18.22	18.08	0.00	19.50
		36	20	18.24	18.23	18.05	0.00	19.00	18.24	18.23	18.05	0.00	19.50
		36	39	18.23	18.23	18.00	0.00	19.00	18.23	18.23	18.00	0.00	19.50
		75	0	18.23	18.22	18.08	0.00	19.00	18.23	18.22	18.08	0.00	19.50
	256QAM	1	0	17.75	18.20	17.84	0.80	18.20	17.75	18.20	17.84	1.30	18.20
		1	37	17.69	18.20	17.83	0.80	18.20	17.69	18.20	17.83	1.30	18.20
		1	74	17.66	18.08	17.80	0.80	18.20	17.66	18.08	17.80	1.30	18.20
		36	0	18.00	17.94	17.68	0.80	18.20	18.00	17.94	17.68	1.30	18.20
		36	20	17.99	17.90	17.68	0.80	18.20	17.99	17.90	17.68	1.30	18.20
		36	39	17.93	17.85	17.62	0.80	18.20	17.93	17.85	17.62	1.30	18.20
		75	0	17.92	17.88	17.64	0.80	18.20	17.92	17.88	17.64	1.30	18.20

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LTE Band 7 Measured Results (ANT2) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20800.00	21100.00	21400.00	MPR	Tune-up Limit	20800.00	21100.00	21400.00	MPR	Tune-up Limit
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	18.65	18.57	18.57	0.00	19.00	18.65	18.57	18.57	0.00	19.50
		1	25	18.59	18.47	18.42	0.00	19.00	18.59	18.47	18.42	0.00	19.50
		1	49	18.59	18.40	18.46	0.00	19.00	18.59	18.40	18.46	0.00	19.50
		25	0	18.69	18.61	18.60	0.00	19.00	18.69	18.61	18.60	0.00	19.50
		25	12	18.57	18.68	18.62	0.00	19.00	18.57	18.68	18.62	0.00	19.50
		25	25	18.66	18.62	18.57	0.00	19.00	18.66	18.62	18.57	0.00	19.50
		50	0	18.69	18.64	18.58	0.00	19.00	18.69	18.64	18.58	0.00	19.50
	16QAM	1	0	18.51	18.38	18.52	0.00	19.00	18.51	18.38	18.52	0.00	19.50
		1	25	18.46	18.22	18.45	0.00	19.00	18.46	18.22	18.45	0.00	19.50
		1	49	18.49	18.15	18.50	0.00	19.00	18.49	18.15	18.50	0.00	19.50
		25	0	18.66	18.49	18.22	0.00	19.00	18.66	18.49	18.22	0.00	19.50
		25	12	18.68	18.44	18.23	0.00	19.00	18.68	18.44	18.23	0.00	19.50
		25	25	18.60	18.40	18.21	0.00	19.00	18.60	18.40	18.21	0.00	19.50
		50	0	18.57	18.40	18.24	0.00	19.00	18.57	18.40	18.24	0.00	19.50
	64QAM	1	0	18.37	18.36	18.33	0.00	19.00	18.37	18.36	18.33	0.00	19.50
		1	25	18.37	18.35	18.18	0.00	19.00	18.37	18.35	18.18	0.00	19.50
		1	49	18.34	18.35	18.10	0.00	19.00	18.34	18.35	18.10	0.00	19.50
		25	0	18.34	18.36	18.18	0.00	19.00	18.34	18.36	18.18	0.00	19.50
		25	12	18.38	18.37	18.18	0.00	19.00	18.38	18.37	18.18	0.00	19.50
		25	25	18.38	18.37	18.18	0.00	19.00	18.38	18.37	18.18	0.00	19.50
		50	0	18.40	18.37	18.11	0.00	19.00	18.40	18.37	18.11	0.00	19.50
	256QAM	1	0	17.57	17.86	17.36	0.80	18.20	17.57	17.86	17.36	1.30	18.20
		1	25	17.39	17.87	17.24	0.80	18.20	17.39	17.87	17.24	1.30	18.20
		1	49	17.46	17.83	17.24	0.80	18.20	17.46	17.83	17.24	1.30	18.20
		25	0	17.74	17.61	17.37	0.80	18.20	17.74	17.61	17.37	1.30	18.20
		25	12	17.75	17.61	17.38	0.80	18.20	17.75	17.61	17.38	1.30	18.20
		25	25	17.66	17.57	17.35	0.80	18.20	17.66	17.57	17.35	1.30	18.20
		50	0	17.67	17.60	17.34	0.80	18.20	17.67	17.60	17.34	1.30	18.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20775.00	21100.00	21425.00	MPR	Tune-up Limit	20775.00	21100.00	21425.00	MPR	Tune-up Limit
				2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	18.42	18.45	18.44	0.00	19.00	18.42	18.45	18.44	0.00	19.50
		1	12	18.45	18.33	18.38	0.00	19.00	18.45	18.33	18.38	0.00	19.50
		1	24	18.43	18.31	18.42	0.00	19.00	18.43	18.31	18.42	0.00	19.50
		12	0	18.53	18.38	18.54	0.00	19.00	18.53	18.38	18.54	0.00	19.50
		12	7	18.53	18.41	18.57	0.00	19.00	18.53	18.41	18.57	0.00	19.50
		12	13	18.54	18.36	18.53	0.00	19.00	18.54	18.36	18.53	0.00	19.50
		25	0	18.53	18.39	18.55	0.00	19.00	18.53	18.39	18.55	0.00	19.50
	16QAM	1	0	18.65	18.54	18.60	0.00	19.00	18.65	18.54	18.60	0.00	19.50
		1	12	18.68	18.48	18.59	0.00	19.00	18.68	18.48	18.59	0.00	19.50
		1	24	18.63	18.44	18.65	0.00	19.00	18.63	18.44	18.65	0.00	19.50
		12	0	18.65	18.48	18.33	0.00	19.00	18.65	18.48	18.33	0.00	19.50
		12	7	18.62	18.46	18.30	0.00	19.00	18.62	18.46	18.30	0.00	19.50
		12	13	18.62	18.48	18.32	0.00	19.00	18.62	18.48	18.32	0.00	19.50
		25	0	18.50	18.46	18.24	0.00	19.00	18.50	18.46	18.24	0.00	19.50
	64QAM	1	0	18.56	18.44	18.31	0.00	19.00	18.56	18.44	18.31	0.00	19.50
		1	12	18.54	18.42	18.32	0.00	19.00	18.54	18.42	18.32	0.00	19.50
		1	24	18.56	18.44	18.26	0.00	19.00	18.56	18.44	18.26	0.00	19.50
		12	0	18.55	18.42	18.61	0.00	19.00	18.55	18.42	18.61	0.00	19.50
		12	7	18.54	18.45	18.58	0.00	19.00	18.54	18.45	18.58	0.00	19.50
		12	13	18.53	18.44	18.62	0.00	19.00	18.53	18.44	18.62	0.00	19.50
		25	0	18.55	18.45	18.54	0.00	19.00	18.55	18.45	18.54	0.00	19.50
	256QAM	1	0	17.76	17.38	17.27	0.80	18.20	17.76	17.38	17.27	1.30	18.20
		1	12	17.76	17.27	17.27	0.80	18.20	17.76	17.27	17.27	1.30	18.20
		1	24	17.76	17.20	17.20	0.80	18.20	17.76	17.20	17.20	1.30	18.20
		12	0	17.66	17.50	17.29	0.80	18.20	17.66	17.50	17.29	1.30	18.20
		12	7	17.69	17.50	17.28	0.80	18.20	17.69	17.50	17.28	1.30	18.20
		12	13	17.64	17.50	17.26	0.80	18.20	17.64	17.50	17.26	1.30	18.20
		25	0	17.64	17.54	17.27	0.80	18.20	17.64	17.54	17.27	1.30	18.20

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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	22.02	22.15	22.11	0.00	22.50	17.79	17.95	17.80	0.00	18.50
		1	49	22.13	22.15	22.12	0.00	22.50	18.00	18.02	17.90	0.00	18.50
		1	99	22.00	22.10	22.00	0.00	22.50	17.97	17.86	17.57	0.00	18.50
		50	0	21.95	21.98	21.91	0.00	22.50	17.97	17.98	17.80	0.00	18.50
		50	24	22.00	22.03	21.93	0.00	22.50	17.99	18.00	17.85	0.00	18.50
		50	50	22.00	21.98	21.81	0.00	22.50	17.98	17.87	17.62	0.00	18.50
		100	0	21.96	22.03	21.92	0.00	22.50	17.96	18.00	17.74	0.00	18.50
	16QAM	1	0	21.96	22.04	22.05	0.00	22.50	17.95	17.97	18.03	0.00	18.50
		1	49	22.09	22.01	22.20	0.00	22.50	18.04	18.03	18.09	0.00	18.50
		1	99	22.16	22.11	22.20	0.00	22.50	18.02	18.09	18.01	0.00	18.50
		50	0	21.87	21.88	21.80	0.00	22.50	17.97	17.98	17.78	0.00	18.50
		50	24	21.90	21.93	21.82	0.00	22.50	17.98	17.99	17.77	0.00	18.50
		50	50	21.89	21.85	21.72	0.00	22.50	18.01	17.91	17.64	0.00	18.50
		100	0	21.86	21.94	21.82	0.00	22.50	17.98	17.94	17.77	0.00	18.50
	64QAM	1	0	21.91	22.04	22.10	0.00	22.50	18.10	18.10	18.05	0.00	18.50
		1	49	22.03	22.08	22.03	0.00	22.50	18.08	18.08	17.94	0.00	18.50
		1	99	22.03	22.02	22.00	0.00	22.50	18.02	18.05	17.86	0.00	18.50
		50	0	21.57	21.59	21.48	0.30	22.20	18.05	18.05	17.84	0.00	18.50
		50	24	21.59	21.65	21.48	0.30	22.20	18.08	18.08	17.81	0.00	18.50
		50	50	21.60	21.59	21.37	0.30	22.20	18.09	17.98	17.72	0.00	18.50
		100	0	21.50	21.61	21.47	0.30	22.20	18.00	17.96	17.80	0.00	18.50
	256QAM	1	0	19.54	19.67	19.36	2.30	20.20	17.82	18.03	17.64	0.00	18.50
		1	49	19.67	19.61	19.30	2.30	20.20	18.09	18.01	17.74	0.00	18.50
		1	99	19.62	19.70	19.27	2.30	20.20	18.10	18.05	17.79	0.00	18.50
		50	0	19.51	19.56	19.51	2.30	20.20	17.89	17.91	17.85	0.00	18.50
		50	24	19.55	19.60	19.49	2.30	20.20	17.93	17.94	17.90	0.00	18.50
		50	50	19.56	19.53	19.41	2.30	20.20	17.98	17.93	17.90	0.00	18.50
		100	0	19.48	19.56	19.47	2.30	20.20	17.88	17.88	17.79	0.00	18.50
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	22.11	22.23	22.14	0.00	22.50	17.89	17.97	17.75	0.00	18.50
		1	37	22.19	22.17	22.04	0.00	22.50	17.93	17.87	17.65	0.00	18.50
		1	74	22.25	22.21	22.07	0.00	22.50	18.01	17.87	17.60	0.00	18.50
		36	0	21.96	22.02	21.90	0.00	22.50	17.96	17.96	17.73	0.00	18.50
		36	20	21.97	22.04	21.92	0.00	22.50	17.95	17.98	17.74	0.00	18.50
		36	39	22.01	22.06	21.84	0.00	22.50	17.97	17.86	17.62	0.00	18.50
		75	0	21.91	22.01	21.89	0.00	22.50	17.94	17.95	17.68	0.00	18.50
	16QAM	1	0	22.04	22.06	21.97	0.00	22.50	18.10	18.01	18.06	0.00	18.50
		1	37	22.13	22.16	22.02	0.00	22.50	18.06	18.00	18.07	0.00	18.50
		1	74	22.00	22.04	22.00	0.00	22.50	18.09	18.03	18.05	0.00	18.50
		36	0	21.86	21.91	21.78	0.00	22.50	17.96	17.95	17.71	0.00	18.50
		36	20	21.87	21.93	21.81	0.00	22.50	17.96	17.96	17.72	0.00	18.50
		36	39	21.90	21.94	21.72	0.00	22.50	17.99	17.86	17.61	0.00	18.50
		75	0	21.86	21.92	21.79	0.00	22.50	17.93	17.97	17.70	0.00	18.50
	64QAM	1	0	21.98	22.01	21.98	0.00	22.50	18.04	18.05	18.03	0.00	18.50
		1	37	22.04	22.04	22.10	0.00	22.50	18.04	18.08	18.02	0.00	18.50
		1	74	22.06	22.02	22.06	0.00	22.50	18.02	17.94	18.09	0.00	18.50
		36	0	21.53	21.57	21.49	0.30	22.20	18.01	18.04	17.77	0.00	18.50
		36	20	21.53	21.61	21.48	0.30	22.20	18.00	18.06	17.76	0.00	18.50
		36	39	21.57	21.64	21.39	0.30	22.20	18.03	17.96	17.64	0.00	18.50
		75	0	21.48	21.55	21.45	0.30	22.20	18.01	18.05	17.79	0.00	18.50
	256QAM	1	0	19.64	19.54	19.66	2.30	20.20	18.04	18.10	17.63	0.00	18.50
		1	37	19.54	19.54	19.62	2.30	20.20	18.03	18.07	17.63	0.00	18.50
		1	74	19.59	19.57	19.58	2.30	20.20	18.10	18.03	17.68	0.00	18.50
		36	0	19.54	19.60	19.52	2.30	20.20	17.90	17.90	17.86	0.00	18.50
		36	20	19.53	19.62	19.51	2.30	20.20	17.98	17.90	17.86	0.00	18.50
		36	39	19.55	19.64	19.41	2.30	20.20	17.94	17.90	17.87	0.00	18.50
		75	0	19.51	19.61	19.48	2.30	20.20	17.84	17.92	17.84	0.00	18.50

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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
				20800.00	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	21.97	22.11	21.97	0.00	22.50	17.82	17.92	17.63	0.00	18.50
		1	25	22.02	22.04	21.95	0.00	22.50	17.87	17.86	17.56	0.00	18.50
		1	49	22.14	22.11	21.98	0.00	22.50	17.96	17.85	17.60	0.00	18.50
		25	0	21.95	22.03	21.90	0.00	22.50	18.07	18.13	17.85	0.00	18.50
		25	12	21.96	22.10	21.95	0.00	22.50	17.95	17.97	17.71	0.00	18.50
		25	25	21.98	22.06	21.85	0.00	22.50	17.94	17.90	17.60	0.00	18.50
		50	0	21.95	22.06	21.93	0.00	22.50	17.87	17.95	17.65	0.00	18.50
	16QAM	1	0	21.91	22.03	21.85	0.00	22.50	17.83	17.93	17.60	0.00	18.50
		1	25	21.95	21.95	21.82	0.00	22.50	17.84	17.84	17.55	0.00	18.50
		1	49	22.00	22.02	21.85	0.00	22.50	17.96	17.80	17.55	0.00	18.50
		25	0	21.97	22.03	21.93	0.00	22.50	18.05	18.07	17.79	0.00	18.50
		25	12	21.96	22.08	21.93	0.00	22.50	18.04	18.06	17.82	0.00	18.50
		25	25	21.97	22.06	21.85	0.00	22.50	18.06	17.99	17.70	0.00	18.50
		50	0	21.88	22.01	21.85	0.00	22.50	17.94	18.02	17.72	0.00	18.50
	64QAM	1	0	22.02	22.10	22.10	0.00	22.50	18.01	18.05	17.84	0.00	18.50
		1	25	22.05	22.09	22.06	0.00	22.50	18.10	18.09	17.77	0.00	18.50
		1	49	22.07	22.08	22.06	0.00	22.50	18.08	18.01	17.72	0.00	18.50
		25	0	21.53	21.64	21.50	0.30	22.20	18.05	18.07	17.80	0.00	18.50
		25	12	21.55	21.68	21.52	0.30	22.20	18.05	18.09	17.81	0.00	18.50
		25	25	21.59	21.66	21.43	0.30	22.20	18.05	18.02	17.69	0.00	18.50
		50	0	21.47	21.62	21.46	0.30	22.20	17.95	18.01	17.71	0.00	18.50
	256QAM	1	0	19.57	19.70	19.57	2.30	20.20	17.98	17.96	17.73	0.00	18.50
		1	25	19.63	19.67	19.56	2.30	20.20	18.10	17.88	17.63	0.00	18.50
		1	49	19.70	19.67	19.52	2.30	20.20	18.10	17.91	17.70	0.00	18.50
		25	0	19.55	19.64	19.52	2.30	20.20	17.85	18.00	17.93	0.00	18.50
		25	12	19.51	19.67	19.52	2.30	20.20	17.91	18.01	17.96	0.00	18.50
		25	25	19.58	19.68	19.42	2.30	20.20	17.94	18.00	17.92	0.00	18.50
		50	0	19.52	19.66	19.53	2.30	20.20	17.88	17.94	17.89	0.00	18.50
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	22.13	22.17	22.04	0.00	22.50	17.76	17.83	17.58	0.00	18.50
		1	12	22.12	22.25	22.05	0.00	22.50	17.83	17.82	17.56	0.00	18.50
		1	24	22.17	22.16	22.03	0.00	22.50	17.85	17.80	17.52	0.00	18.50
		12	0	21.96	22.06	21.93	0.00	22.50	17.88	17.92	17.56	0.00	18.50
		12	7	21.98	22.05	21.94	0.00	22.50	17.89	17.91	17.57	0.00	18.50
		12	13	21.98	22.03	21.94	0.00	22.50	17.88	17.88	17.80	0.00	18.50
		25	0	21.95	22.03	21.93	0.00	22.50	17.88	17.88	17.58	0.00	18.50
	16QAM	1	0	21.93	22.12	22.01	0.00	22.50	17.91	17.98	17.73	0.00	18.50
		1	12	22.05	22.15	22.03	0.00	22.50	17.98	18.01	17.68	0.00	18.50
		1	24	22.08	22.14	21.99	0.00	22.50	18.01	17.94	17.70	0.00	18.50
		12	0	21.91	22.01	21.89	0.00	22.50	17.97	18.00	17.70	0.00	18.50
		12	7	21.89	22.03	21.89	0.00	22.50	17.95	18.00	17.67	0.00	18.50
		12	13	21.95	22.02	21.88	0.00	22.50	17.95	17.97	17.59	0.00	18.50
		25	0	21.81	21.90	21.78	0.00	22.50	17.87	17.88	17.65	0.00	18.50
	64QAM	1	0	21.78	22.05	21.93	0.00	22.50	18.03	17.88	17.78	0.00	18.50
		1	12	21.78	22.07	21.94	0.00	22.50	18.09	17.84	17.79	0.00	18.50
		1	24	21.85	21.99	22.03	0.00	22.50	18.06	17.81	17.71	0.00	18.50
		12	0	21.48	21.52	21.38	0.30	22.20	17.98	18.02	17.69	0.00	18.50
		12	7	21.53	21.56	21.40	0.30	22.20	17.99	18.01	17.66	0.00	18.50
		12	13	21.49	21.56	21.40	0.30	22.20	17.99	17.98	17.60	0.00	18.50
		25	0	21.47	21.56	21.41	0.30	22.20	17.94	17.94	17.61	0.00	18.50
	256QAM	1	0	19.29	19.62	19.57	2.30	20.20	17.87	17.75	17.85	0.00	18.50
		1	12	19.31	19.64	19.55	2.30	20.20	17.93	17.70	17.83	0.00	18.50
		1	24	19.41	19.68	19.51	2.30	20.20	18.03	17.77	17.84	0.00	18.50
		12	0	19.44	19.62	19.51	2.30	20.20	17.79	17.88	17.84	0.00	18.50
		12	7	19.50	19.66	19.51	2.30	20.20	17.87	17.88	17.86	0.00	18.50
		12	13	19.48	19.68	19.51	2.30	20.20	17.89	17.86	17.84	0.00	18.50
		25	0	19.54	19.60	19.44	2.30	20.20	17.80	17.93	17.88	0.00	18.50

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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	16.58	17.03	16.87	0.00	17.80	19.30	19.51	19.34	0.00	20.30
		1	49	17.00	17.05	16.90	0.00	17.80	19.60	19.60	19.40	0.00	20.30
		1	99	17.00	16.96	16.80	0.00	17.80	19.55	19.41	19.27	0.00	20.30
		50	0	16.94	17.00	16.92	0.00	17.80	19.38	19.53	19.39	0.00	20.30
		50	24	17.05	17.05	16.95	0.00	17.80	19.55	19.55	19.41	0.00	20.30
		50	50	17.00	16.96	16.85	0.00	17.80	19.54	19.41	19.29	0.00	20.30
		100	0	17.03	17.04	16.93	0.00	17.80	19.46	19.49	19.39	0.00	20.30
	16QAM	1	0	16.62	17.05	16.89	0.00	17.80	19.30	19.40	19.21	0.00	20.30
		1	49	17.07	16.92	16.86	0.00	17.80	19.43	19.29	19.20	0.00	20.30
		1	99	17.09	17.00	16.84	0.00	17.80	19.46	19.34	19.20	0.00	20.30
		50	0	16.49	16.65	16.51	0.00	17.80	19.06	19.18	19.06	0.00	20.30
		50	24	16.64	16.62	16.53	0.00	17.80	19.20	19.16	19.06	0.00	20.30
		50	50	16.70	16.56	16.45	0.00	17.80	19.27	19.09	18.99	0.00	20.30
		100	0	16.63	16.64	16.56	0.00	17.80	19.19	19.16	19.08	0.00	20.30
	64QAM	1	0	16.47	16.83	16.67	0.00	17.80	19.20	19.25	19.50	0.00	20.30
		1	49	17.02	16.80	16.66	0.00	17.80	19.34	19.19	19.46	0.00	20.30
		1	99	16.88	16.74	16.67	0.00	17.80	19.24	19.18	19.43	0.00	20.30
		50	0	16.59	16.71	16.54	0.00	17.80	19.12	19.25	19.13	0.10	20.20
		50	24	16.72	16.66	16.58	0.00	17.80	19.24	19.26	19.14	0.10	20.20
		50	50	16.79	16.59	16.49	0.00	17.80	19.29	19.18	19.06	0.10	20.20
		100	0	16.67	16.64	16.57	0.00	17.80	19.21	19.21	19.09	0.10	20.20
	256QAM	1	0	16.54	17.04	16.95	0.00	17.80	17.90	18.06	17.96	2.10	18.20
		1	49	16.90	17.02	16.96	0.00	17.80	17.96	18.03	17.99	2.10	18.20
		1	99	16.94	16.98	16.97	0.00	17.80	18.04	18.02	17.94	2.10	18.20
		50	0	16.85	16.89	16.86	0.00	17.80	17.94	17.95	17.88	2.10	18.20
		50	24	17.03	16.90	16.88	0.00	17.80	18.11	17.97	17.91	2.10	18.20
		50	50	17.06	16.80	16.78	0.00	17.80	18.13	17.88	17.82	2.10	18.20
		100	0	16.92	16.87	16.85	0.00	17.80	17.98	17.90	17.88	2.10	18.20
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	16.59	17.05	16.90	0.00	17.80	19.00	19.18	19.03	0.00	20.30
		1	37	16.99	16.92	16.86	0.00	17.80	19.13	19.07	19.01	0.00	20.30
		1	74	17.19	16.97	16.86	0.00	17.80	19.31	19.14	19.02	0.00	20.30
		36	0	16.89	16.99	16.92	0.00	17.80	19.03	19.15	19.08	0.00	20.30
		36	20	17.06	17.02	16.92	0.00	17.80	19.25	19.19	19.08	0.00	20.30
		36	39	17.10	16.95	16.84	0.00	17.80	19.25	19.11	19.01	0.00	20.30
		75	0	16.94	16.99	16.89	0.00	17.80	19.11	19.16	19.07	0.00	20.30
	16QAM	1	0	16.54	16.88	16.77	0.00	17.80	18.90	18.84	19.00	0.00	20.30
		1	37	16.99	17.07	16.97	0.00	17.80	19.28	19.02	18.97	0.00	20.30
		1	74	17.05	17.00	16.92	0.00	17.80	19.22	18.99	18.92	0.00	20.30
		36	0	16.46	16.58	16.51	0.00	17.80	19.03	19.09	19.04	0.00	20.30
		36	20	16.67	16.62	16.54	0.00	17.80	19.22	19.15	19.07	0.00	20.30
		36	39	16.69	16.56	16.44	0.00	17.80	19.26	19.08	18.98	0.00	20.30
		75	0	16.56	16.61	16.52	0.00	17.80	19.12	19.14	19.05	0.00	20.30
	64QAM	1	0	16.67	17.04	16.91	0.00	17.80	19.20	19.22	19.10	0.00	20.30
		1	37	17.08	17.00	16.88	0.00	17.80	19.23	19.16	19.10	0.00	20.30
		1	74	17.15	16.96	16.84	0.00	17.80	19.33	19.14	19.06	0.00	20.30
		36	0	16.53	16.60	16.54	0.00	17.80	19.06	19.18	19.12	0.10	20.20
		36	20	16.73	16.63	16.55	0.00	17.80	19.27	19.21	19.13	0.10	20.20
		36	39	16.74	16.56	16.49	0.00	17.80	19.29	19.16	19.05	0.10	20.20
		75	0	16.67	16.65	16.59	0.00	17.80	19.17	19.21	19.15	0.10	20.20
	256QAM	1	0	16.77	16.95	16.41	0.00	17.80	17.92	18.06	17.60	2.10	18.20
		1	37	16.92	16.79	16.40	0.00	17.80	18.17	18.10	17.58	2.10	18.20
		1	74	16.88	16.91	16.36	0.00	17.80	18.17	18.10	17.59	2.10	18.20
		36	0	16.65	16.73	16.63	0.00	17.80	17.88	17.98	17.86	2.10	18.20
		36	20	16.82	16.73	16.66	0.00	17.80	18.02	18.00	17.88	2.10	18.20
		36	39	16.80	16.67	16.55	0.00	17.80	18.03	17.90	17.80	2.10	18.20
		75	0	16.69	16.71	16.62	0.00	17.80	17.91	18.00	17.84	2.10	18.20

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LTE Band 7 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20800.00	21100.00	21400.00	MPR	Tune-up Limit	20800.00	21100.00	21400.00	MPR	Tune-up Limit
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	16.41	16.83	16.70	0.00	17.80	18.88	19.00	18.82	0.00	20.30
		1	25	16.72	16.73	16.68	0.00	17.80	18.93	18.91	18.85	0.00	20.30
		1	49	16.93	16.80	16.65	0.00	17.80	19.11	18.97	18.88	0.00	20.30
		25	0	16.78	17.00	16.92	0.00	17.80	18.99	19.11	19.03	0.00	20.30
		25	12	16.90	17.02	16.95	0.00	17.80	19.06	19.14	19.07	0.00	20.30
		25	25	16.98	16.96	16.86	0.00	17.80	19.16	19.06	18.97	0.00	20.30
		50	0	16.85	16.98	16.89	0.00	17.80	19.03	19.14	19.05	0.00	20.30
	16QAM	1	0	16.32	16.74	16.61	0.00	17.80	19.10	19.14	18.96	0.00	20.30
		1	25	16.58	16.66	16.55	0.00	17.80	18.91	19.04	18.96	0.00	20.30
		1	49	16.78	16.74	16.59	0.00	17.80	19.10	19.10	18.96	0.00	20.30
		25	0	16.70	16.93	16.83	0.00	17.80	18.98	19.22	19.15	0.00	20.30
		25	12	16.79	16.93	16.83	0.00	17.80	19.07	19.26	19.18	0.00	20.30
		25	25	16.87	16.86	16.77	0.00	17.80	19.15	19.20	19.10	0.00	20.30
		50	0	16.67	16.84	16.76	0.00	17.80	18.97	19.18	19.11	0.00	20.30
	64QAM	1	0	16.56	16.99	16.82	0.00	17.80	18.96	19.33	19.17	0.00	20.30
		1	25	16.84	16.93	16.78	0.00	17.80	19.22	19.25	19.15	0.00	20.30
		1	49	16.93	16.87	16.72	0.00	17.80	19.29	19.20	19.08	0.00	20.30
		25	0	16.69	16.92	16.79	0.00	17.80	19.04	19.26	19.16	0.10	20.20
		25	12	16.79	16.96	16.80	0.00	17.80	19.11	19.26	19.16	0.10	20.20
		25	25	16.85	16.90	16.76	0.00	17.80	19.24	19.19	19.10	0.10	20.20
		50	0	16.68	16.84	16.73	0.00	17.80	19.06	19.19	19.10	0.10	20.20
	256QAM	1	0	16.92	16.74	16.87	0.00	17.80	17.76	18.10	17.66	2.10	18.20
		1	25	16.95	16.68	16.77	0.00	17.80	17.92	18.07	17.57	2.10	18.20
		1	49	16.89	16.69	16.75	0.00	17.80	18.10	17.95	17.58	2.10	18.20
		25	0	16.86	17.01	16.94	0.00	17.80	17.96	17.98	17.91	2.10	18.20
		25	12	16.88	17.05	16.96	0.00	17.80	17.99	18.00	17.94	2.10	18.20
		25	25	16.98	17.01	16.94	0.00	17.80	18.04	18.02	17.94	2.10	18.20
		50	0	16.87	16.95	16.89	0.00	17.80	17.92	18.00	17.91	2.10	18.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				20775.00	21100.00	21425.00	MPR	Tune-up Limit	20775.00	21100.00	21425.00	MPR	Tune-up Limit
				2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	16.52	16.89	16.77	0.00	17.80	18.90	18.97	18.87	0.00	20.30
		1	12	16.71	16.86	16.76	0.00	17.80	18.80	18.99	18.85	0.00	20.30
		1	24	16.86	16.86	16.75	0.00	17.80	18.96	18.95	18.86	0.00	20.30
		12	0	16.62	16.95	16.87	0.00	17.80	18.85	19.04	18.97	0.00	20.30
		12	7	16.73	16.95	16.86	0.00	17.80	18.83	19.05	18.98	0.00	20.30
		12	13	16.76	16.94	16.85	0.00	17.80	18.88	19.03	18.95	0.00	20.30
		25	0	16.71	16.92	16.85	0.00	17.80	18.85	19.04	18.95	0.00	20.30
	16QAM	1	0	16.47	16.79	16.69	0.00	17.80	18.89	19.12	19.04	0.00	20.30
		1	12	16.59	16.83	16.77	0.00	17.80	18.86	19.14	19.07	0.00	20.30
		1	24	16.77	16.80	16.68	0.00	17.80	19.06	19.11	19.00	0.00	20.30
		12	0	16.51	16.82	16.75	0.00	17.80	18.85	19.15	19.06	0.00	20.30
		12	7	16.58	16.81	16.75	0.00	17.80	18.91	19.09	19.05	0.00	20.30
		12	13	16.62	16.83	16.74	0.00	17.80	18.96	19.11	19.06	0.00	20.30
		25	0	16.54	16.72	16.63	0.00	17.80	18.85	19.02	18.93	0.00	20.30
	64QAM	1	0	16.54	16.95	16.83	0.00	17.80	18.89	19.31	19.16	0.00	20.30
		1	12	16.71	16.99	16.84	0.00	17.80	19.03	19.23	19.17	0.00	20.30
		1	24	16.87	16.95	16.77	0.00	17.80	19.16	19.19	19.07	0.00	20.30
		12	0	16.49	16.85	16.73	0.00	17.80	18.81	19.12	19.07	0.10	20.20
		12	7	16.58	16.84	16.70	0.00	17.80	18.88	19.13	19.03	0.10	20.20
		12	13	16.64	16.87	16.74	0.00	17.80	18.95	19.15	19.05	0.10	20.20
		25	0	16.53	16.79	16.64	0.00	17.80	18.85	19.06	18.99	0.10	20.20
	256QAM	1	0	16.30	16.85	16.59	0.00	17.80	17.90	17.99	18.12	2.10	18.20
		1	12	16.40	16.85	16.56	0.00	17.80	17.99	17.85	18.15	2.10	18.20
		1	24	16.51	16.81	16.52	0.00	17.80	18.15	17.93	18.10	2.10	18.20
		12	0	16.49	16.72	16.60	0.00	17.80	17.95	18.08	18.05	2.10	18.20
		12	7	16.57	16.76	16.60	0.00	17.80	18.01	18.12	18.10	2.10	18.20
		12	13	16.63	16.75	16.61	0.00	17.80	18.06	18.08	18.06	2.10	18.20
		25	0	16.63	16.68	16.64	0.00	17.80	18.05	18.16	18.03	2.10	18.20

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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)				
				23060	23095	23130	MPR	Tune-up Limit	23060	23095	23130	MPR	Tune-up Limit
				704 MHz	707.5 MHz	711 MHz			704 MHz	707.5 MHz	711 MHz		
10 MHz	QPSK	1	0	24.91	24.87	24.83	0.00	25.70	24.91	24.87	24.83	0.00	25.70
		1	25	24.81	24.95	24.81	0.00	25.70	24.81	24.95	24.81	0.00	25.70
		1	49	24.77	24.78	24.72	0.00	25.70	24.77	24.78	24.72	0.00	25.70
		25	0	24.69	24.69	24.69	1.00	24.70	24.69	24.69	24.69	1.00	24.70
		25	12	24.70	24.70	24.70	1.00	24.70	24.70	24.70	24.70	1.00	24.70
		25	25	24.67	24.66	24.66	1.00	24.70	24.67	24.66	24.66	1.00	24.70
		50	0	24.70	24.70	24.70	1.00	24.70	24.70	24.70	24.70	1.00	24.70
	16QAM	1	0	24.68	24.70	24.70	1.00	24.70	24.68	24.70	24.70	1.00	24.70
		1	25	24.55	24.57	24.64	1.00	24.70	24.55	24.57	24.64	1.00	24.70
		1	49	24.51	24.64	24.61	1.00	24.70	24.51	24.64	24.61	1.00	24.70
		25	0	23.42	23.42	23.43	2.00	23.70	23.42	23.42	23.43	2.00	23.70
		25	12	23.48	23.48	23.48	2.00	23.70	23.48	23.48	23.48	2.00	23.70
		25	25	23.42	23.47	23.44	2.00	23.70	23.42	23.47	23.44	2.00	23.70
		50	0	23.42	23.44	23.43	2.00	23.70	23.42	23.44	23.43	2.00	23.70
	64QAM	1	0	23.65	23.47	23.47	2.00	23.70	23.65	23.47	23.47	2.00	23.70
		1	25	23.58	23.47	23.47	2.00	23.70	23.58	23.47	23.47	2.00	23.70
		1	49	23.56	23.39	23.42	2.00	23.70	23.56	23.39	23.42	2.00	23.70
		25	0	22.42	22.42	22.41	3.00	22.70	22.42	22.42	22.41	3.00	22.70
		25	12	22.48	22.45	22.45	3.00	22.70	22.48	22.45	22.45	3.00	22.70
		25	25	22.43	22.44	22.44	3.00	22.70	22.43	22.44	22.44	3.00	22.70
		50	0	22.46	22.38	22.39	3.00	22.70	22.46	22.38	22.39	3.00	22.70
	256QAM	1	0	20.67	20.30	20.30	5.00	20.70	20.67	20.30	20.30	5.00	20.70
		1	25	20.58	20.31	20.33	5.00	20.70	20.58	20.31	20.33	5.00	20.70
		1	49	20.61	20.34	20.37	5.00	20.70	20.61	20.34	20.37	5.00	20.70
		25	0	20.43	20.42	20.40	5.00	20.70	20.43	20.42	20.40	5.00	20.70
		25	12	20.47	20.44	20.45	5.00	20.70	20.47	20.44	20.45	5.00	20.70
		25	25	20.46	20.39	20.37	5.00	20.70	20.46	20.39	20.37	5.00	20.70
		50	0	20.46	20.39	20.39	5.00	20.70	20.46	20.39	20.39	5.00	20.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				23035.00	23095.00	23155.00	MPR	Tune-up Limit	23035.00	23095.00	23155.00	MPR	Tune-up Limit
				701.5 MHz	707.5 MHz	713.5 MHz			701.5 MHz	707.5 MHz	713.5 MHz		
5 MHz	QPSK	1	0	25.00	25.06	24.93	0.00	25.70	25.00	25.06	24.93	0.00	25.70
		1	12	24.91	24.95	24.91	0.00	25.70	24.91	24.95	24.91	0.00	25.70
		1	24	24.84	24.89	24.88	0.00	25.70	24.84	24.89	24.88	0.00	25.70
		12	0	24.66	24.67	24.63	1.00	24.70	24.66	24.67	24.63	1.00	24.70
		12	7	24.70	24.70	24.62	1.00	24.70	24.70	24.70	24.62	1.00	24.70
		12	13	24.64	24.67	24.65	1.00	24.70	24.64	24.67	24.65	1.00	24.70
		25	0	24.67	24.68	24.57	1.00	24.70	24.67	24.68	24.57	1.00	24.70
	16QAM	1	0	24.59	24.60	24.52	0.75	24.95	24.59	24.60	24.52	1.00	24.70
		1	12	24.52	24.50	24.53	0.75	24.95	24.52	24.50	24.53	1.00	24.70
		1	24	24.47	24.47	24.47	0.75	24.95	24.47	24.47	24.47	1.00	24.70
		12	0	23.47	23.51	23.45	1.75	23.95	23.47	23.51	23.45	2.00	23.70
		12	7	23.53	23.54	23.42	1.75	23.95	23.53	23.54	23.42	2.00	23.70
		12	13	23.47	23.50	23.44	1.75	23.95	23.47	23.50	23.44	2.00	23.70
		25	0	23.66	23.68	23.55	2.00	23.70	23.66	23.68	23.55	2.00	23.70
	64QAM	1	0	23.64	23.61	23.56	2.00	23.70	23.64	23.61	23.56	2.00	23.70
		1	12	23.63	23.57	23.57	2.00	23.70	23.63	23.57	23.57	2.00	23.70
		1	24	23.65	23.57	23.59	2.00	23.70	23.65	23.57	23.59	2.00	23.70
		12	0	22.67	22.69	22.63	3.00	22.70	22.67	22.69	22.63	3.00	22.70
		12	7	22.62	22.63	22.66	3.00	22.70	22.62	22.63	22.66	3.00	22.70
		12	13	22.63	22.67	22.69	3.00	22.70	22.63	22.67	22.69	3.00	22.70
		25	0	22.70	22.65	22.61	3.00	22.70	22.70	22.65	22.61	3.00	22.70
	256QAM	1	0	20.66	20.51	20.60	5.00	20.70	20.66	20.51	20.60	5.00	20.70
		1	12	20.69	20.48	20.58	5.00	20.70	20.69	20.48	20.58	5.00	20.70
		1	24	20.61	20.46	20.52	5.00	20.70	20.61	20.46	20.52	5.00	20.70
		12	0	20.53	20.63	20.69	5.00	20.70	20.53	20.63	20.69	5.00	20.70
		12	7	20.61	20.70	20.67	5.00	20.70	20.61	20.70	20.67	5.00	20.70
		12	13	20.55	20.61	20.68	5.00	20.70	20.55	20.61	20.68	5.00	20.70
		25	0	20.52	20.70	20.70	5.00	20.70	20.52	20.70	20.70	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	24.94	24.93	24.90	0.00	25.70	24.94	24.93	24.90	0.00	25.70
		1	8	24.80	24.82	24.72	0.00	25.70	24.80	24.82	24.72	0.00	25.70
		1	14	24.84	24.85	24.79	0.00	25.70	24.84	24.85	24.79	0.00	25.70
		8	0	24.70	24.62	24.58	1.00	24.70	24.70	24.62	24.58	1.00	24.70
		8	4	24.67	24.70	24.55	1.00	24.70	24.67	24.70	24.55	1.00	24.70
		8	7	24.69	24.70	24.64	1.00	24.70	24.69	24.70	24.64	1.00	24.70
		15	0	24.69	24.70	24.56	1.00	24.70	24.69	24.70	24.56	1.00	24.70
	16QAM	1	0	24.65	24.58	24.57	1.00	24.70	24.65	24.58	24.57	1.00	24.70
		1	8	24.64	24.65	24.64	1.00	24.70	24.64	24.65	24.64	1.00	24.70
		1	14	24.67	24.67	24.65	1.00	24.70	24.67	24.67	24.65	1.00	24.70
		8	0	23.62	23.56	23.63	2.00	23.70	23.62	23.56	23.63	2.00	23.70
		8	4	23.59	23.60	23.63	2.00	23.70	23.59	23.60	23.63	2.00	23.70
		8	7	23.59	23.59	23.70	2.00	23.70	23.59	23.59	23.70	2.00	23.70
		15	0	23.68	23.70	23.55	2.00	23.70	23.68	23.70	23.55	2.00	23.70
	64QAM	1	0	23.65	23.61	23.44	2.00	23.70	23.65	23.61	23.44	2.00	23.70
		1	8	23.61	23.53	23.49	2.00	23.70	23.61	23.53	23.49	2.00	23.70
		1	14	23.56	23.55	23.44	2.00	23.70	23.56	23.55	23.44	2.00	23.70
		8	0	22.67	22.59	22.69	3.00	22.70	22.67	22.59	22.69	3.00	22.70
		8	4	22.66	22.65	22.66	3.00	22.70	22.66	22.65	22.66	3.00	22.70
		8	7	22.68	22.67	22.63	3.00	22.70	22.68	22.67	22.63	3.00	22.70
		15	0	22.54	22.65	22.67	3.00	22.70	22.54	22.65	22.67	3.00	22.70
	256QAM	1	0	20.61	20.59	20.54	5.00	20.70	20.61	20.59	20.54	5.00	20.70
		1	8	20.66	20.65	20.40	5.00	20.70	20.66	20.65	20.40	5.00	20.70
		1	14	20.57	20.55	20.45	5.00	20.70	20.57	20.55	20.45	5.00	20.70
		8	0	20.57	20.46	20.36	5.00	20.70	20.57	20.46	20.36	5.00	20.70
		8	4	20.53	20.49	20.37	5.00	20.70	20.53	20.49	20.37	5.00	20.70
		8	7	20.51	20.52	20.41	5.00	20.70	20.51	20.52	20.41	5.00	20.70
		15	0	20.66	20.65	20.67	5.00	20.70	20.66	20.65	20.67	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	24.92	24.92	24.75	0.00	25.70	24.92	24.92	24.75	0.00	25.70
		1	3	25.05	25.04	24.81	0.00	25.70	25.05	25.04	24.81	0.00	25.70
		1	5	24.88	24.88	24.75	0.00	25.70	24.88	24.88	24.75	0.00	25.70
		3	0	24.82	24.82	24.79	0.00	25.70	24.82	24.82	24.79	0.00	25.70
		3	1	24.87	24.86	24.75	0.00	25.70	24.87	24.86	24.75	0.00	25.70
		3	3	24.89	24.83	24.77	0.00	25.70	24.89	24.83	24.77	0.00	25.70
		6	0	24.65	24.66	24.47	1.00	24.70	24.65	24.66	24.47	1.00	24.70
	16QAM	1	0	24.59	24.57	24.34	1.00	24.70	24.59	24.57	24.34	1.00	24.70
		1	3	24.57	24.52	24.47	1.00	24.70	24.57	24.52	24.47	1.00	24.70
		1	5	24.59	24.56	24.42	1.00	24.70	24.59	24.56	24.42	1.00	24.70
		3	0	23.96	23.96	24.02	1.00	24.70	23.96	23.96	24.02	1.00	24.70
		3	1	24.01	23.99	24.09	1.00	24.70	24.01	23.99	24.09	1.00	24.70
		3	3	23.97	23.97	24.12	1.00	24.70	23.97	23.97	24.12	1.00	24.70
		6	0	23.61	23.57	23.66	2.00	23.70	23.61	23.57	23.66	2.00	23.70
	64QAM	1	0	23.57	23.59	23.55	2.00	23.70	23.57	23.59	23.55	2.00	23.70
		1	3	23.69	23.70	23.65	2.00	23.70	23.69	23.70	23.65	2.00	23.70
		1	5	23.62	23.62	23.55	2.00	23.70	23.62	23.62	23.55	2.00	23.70
		3	0	22.92	23.02	22.92	2.00	23.70	22.92	23.02	22.92	2.00	23.70
		3	1	22.94	23.05	22.96	2.00	23.70	22.94	23.05	22.96	2.00	23.70
		3	3	22.91	23.06	23.02	2.00	23.70	22.91	23.06	23.02	2.00	23.70
		6	0	22.41	22.63	22.49	3.00	22.70	22.41	22.63	22.49	3.00	22.70
	256QAM	1	0	20.50	20.56	20.63	5.00	20.70	20.50	20.56	20.63	5.00	20.70
		1	3	20.66	20.51	20.52	5.00	20.70	20.66	20.51	20.52	5.00	20.70
		1	5	20.56	20.47	20.65	5.00	20.70	20.56	20.47	20.65	5.00	20.70
		3	0	20.46	20.53	20.58	5.00	20.70	20.46	20.53	20.58	5.00	20.70
		3	1	20.46	20.51	20.55	5.00	20.70	20.46	20.51	20.55	5.00	20.70
		3	3	20.50	20.54	20.60	5.00	20.70	20.50	20.54	20.60	5.00	20.70
		6	0	20.66	20.65	20.45	5.00	20.70	20.66	20.65	20.45	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)		
				23095.00	MPR	Tune-up Limit	23095.00	MPR	Tune-up Limit
				707.5 MHz			707.5 MHz		
10 MHz	QPSK	1	0	24.30	0.00	24.70	24.30	0.00	24.70
		1	25	24.33	0.00	24.70	24.33	0.00	24.70
		1	49	24.25	0.00	24.70	24.25	0.00	24.70
		25	0	23.48	1.00	23.70	23.48	1.00	23.70
		25	12	23.54	1.00	23.70	23.54	1.00	23.70
		25	25	23.46	1.00	23.70	23.46	1.00	23.70
		50	0	23.51	1.00	23.70	23.51	1.00	23.70
	16QAM	1	0	23.51	1.00	23.70	23.51	1.00	23.70
		1	25	23.43	1.00	23.70	23.43	1.00	23.70
		1	49	23.41	1.00	23.70	23.41	1.00	23.70
		25	0	22.60	2.00	22.70	22.60	2.00	22.70
		25	12	22.64	2.00	22.70	22.64	2.00	22.70
		25	25	22.55	2.00	22.70	22.55	2.00	22.70
		50	0	22.59	2.00	22.70	22.59	2.00	22.70
	64QAM	1	0	22.64	2.00	22.70	22.64	2.00	22.70
		1	25	22.66	2.00	22.70	22.66	2.00	22.70
		1	49	22.58	2.00	22.70	22.58	2.00	22.70
		25	0	21.60	3.00	21.70	21.60	3.00	21.70
		25	12	21.63	3.00	21.70	21.63	3.00	21.70
		25	25	21.60	3.00	21.70	21.60	3.00	21.70
		50	0	21.55	3.00	21.70	21.55	3.00	21.70
	256QAM	1	0	19.52	5.00	19.70	19.52	5.00	19.70
		1	25	19.53	5.00	19.70	19.53	5.00	19.70
		1	49	19.56	5.00	19.70	19.56	5.00	19.70
		25	0	19.60	5.00	19.70	19.60	5.00	19.70
		25	12	19.62	5.00	19.70	19.62	5.00	19.70
		25	25	19.59	5.00	19.70	19.59	5.00	19.70
		50	0	19.58	5.00	19.70	19.58	5.00	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				23035.00	23095.00	23155.00	MPR	Tune-up Limit	23035.00	23095.00	23155.00	MPR	Tune-up Limit
				701.5 MHz	707.5 MHz	713.5 MHz			701.5 MHz	707.5 MHz	713.5 MHz		
5 MHz	QPSK	1	0	24.56	24.55	24.41	0.00	24.70	24.56	24.55	24.41	0.00	24.70
		1	12	24.42	24.49	24.37	0.00	24.70	24.42	24.49	24.37	0.00	24.70
		1	24	24.42	24.43	24.39	0.00	24.70	24.42	24.43	24.39	0.00	24.70
		12	0	23.41	23.52	23.41	1.00	23.70	23.41	23.52	23.41	1.00	23.70
		12	7	23.51	23.55	23.48	1.00	23.70	23.51	23.55	23.48	1.00	23.70
		12	13	23.45	23.49	23.40	1.00	23.70	23.45	23.49	23.40	1.00	23.70
		25	0	23.45	23.52	23.42	1.00	23.70	23.45	23.52	23.42	1.00	23.70
	16QAM	1	0	23.70	23.70	23.55	1.00	23.70	23.70	23.70	23.55	1.00	23.70
		1	12	23.62	23.67	23.65	1.00	23.70	23.62	23.67	23.65	1.00	23.70
		1	24	23.59	23.58	23.53	1.00	23.70	23.59	23.58	23.53	1.00	23.70
		12	0	22.54	22.58	22.49	2.00	22.70	22.54	22.58	22.49	2.00	22.70
		12	7	22.60	22.64	22.55	2.00	22.70	22.60	22.64	22.55	2.00	22.70
		12	13	22.53	22.57	22.50	2.00	22.70	22.53	22.57	22.50	2.00	22.70
		25	0	22.53	22.48	22.40	2.00	22.70	22.53	22.48	22.40	2.00	22.70
	64QAM	1	0	22.68	22.70	22.41	2.00	22.70	22.68	22.70	22.41	2.00	22.70
		1	12	22.67	22.70	22.38	2.00	22.70	22.67	22.70	22.38	2.00	22.70
		1	24	22.65	22.64	22.40	2.00	22.70	22.65	22.64	22.40	2.00	22.70
		12	0	21.50	21.51	21.50	3.00	21.70	21.50	21.51	21.50	3.00	21.70
		12	7	21.54	21.55	21.56	3.00	21.70	21.54	21.55	21.56	3.00	21.70
		12	13	21.50	21.53	21.51	3.00	21.70	21.50	21.53	21.51	3.00	21.70
		25	0	21.48	21.50	21.50	3.00	21.70	21.48	21.50	21.50	3.00	21.70
	256QAM	1	0	19.46	19.47	19.42	5.00	19.70	19.46	19.47	19.42	5.00	19.70
		1	12	19.45	19.48	19.33	5.00	19.70	19.45	19.48	19.33	5.00	19.70
		1	24	19.42	19.41	19.30	5.00	19.70	19.42	19.41	19.30	5.00	19.70
		12	0	19.41	19.49	19.47	5.00	19.70	19.41	19.49	19.47	5.00	19.70
		12	7	19.50	19.54	19.54	5.00	19.70	19.50	19.54	19.54	5.00	19.70
		12	13	19.45	19.46	19.46	5.00	19.70	19.45	19.46	19.46	5.00	19.70
		25	0	19.51	19.55	19.54	5.00	19.70	19.51	19.55	19.54	5.00	19.70

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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
				23025.00	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	24.43	24.49	24.38	0.00	24.70	24.43	24.49	24.38	0.00	24.70
		1	8	24.25	24.32	24.25	0.00	24.70	24.25	24.32	24.25	0.00	24.70
		1	14	24.35	24.38	24.33	0.00	24.70	24.35	24.38	24.33	0.00	24.70
		8	0	23.41	23.46	23.37	1.00	23.70	23.41	23.46	23.37	1.00	23.70
		8	4	23.44	23.50	23.36	1.00	23.70	23.44	23.50	23.36	1.00	23.70
		8	7	23.45	23.52	23.42	1.00	23.70	23.45	23.52	23.42	1.00	23.70
		15	0	23.46	23.53	23.35	1.00	23.70	23.46	23.53	23.35	1.00	23.70
	16QAM	1	0	23.59	23.64	23.53	1.00	23.70	23.59	23.64	23.53	1.00	23.70
		1	8	23.46	23.49	23.42	1.00	23.70	23.46	23.49	23.42	1.00	23.70
		1	14	23.48	23.53	23.46	1.00	23.70	23.48	23.53	23.46	1.00	23.70
		8	0	22.46	22.53	22.43	2.00	22.70	22.46	22.53	22.43	2.00	22.70
		8	4	22.53	22.59	22.44	2.00	22.70	22.53	22.59	22.44	2.00	22.70
		8	7	22.52	22.57	22.49	2.00	22.70	22.52	22.57	22.49	2.00	22.70
		15	0	22.48	22.53	22.35	2.00	22.70	22.48	22.53	22.35	2.00	22.70
	64QAM	1	0	22.64	22.68	22.67	2.00	22.70	22.64	22.68	22.67	2.00	22.70
		1	8	22.66	22.61	22.67	2.00	22.70	22.66	22.61	22.67	2.00	22.70
		1	14	22.70	22.64	22.68	2.00	22.70	22.70	22.64	22.68	2.00	22.70
		8	0	21.55	21.40	21.52	3.00	21.70	21.55	21.40	21.52	3.00	21.70
		8	4	21.56	21.47	21.51	3.00	21.70	21.56	21.47	21.51	3.00	21.70
		8	7	21.58	21.48	21.57	3.00	21.70	21.58	21.48	21.57	3.00	21.70
		15	0	21.49	21.53	21.43	3.00	21.70	21.49	21.53	21.43	3.00	21.70
	256QAM	1	0	19.59	19.40	19.52	5.00	19.70	19.59	19.40	19.52	5.00	19.70
		1	8	19.51	19.45	19.57	5.00	19.70	19.51	19.45	19.57	5.00	19.70
		1	14	19.57	19.36	19.54	5.00	19.70	19.57	19.36	19.54	5.00	19.70
		8	0	19.49	19.56	19.58	5.00	19.70	19.49	19.56	19.58	5.00	19.70
		8	4	19.64	19.63	19.51	5.00	19.70	19.64	19.63	19.51	5.00	19.70
		8	7	19.60	19.63	19.57	5.00	19.70	19.60	19.63	19.57	5.00	19.70
		15	0	19.55	19.58	19.48	5.00	19.70	19.55	19.58	19.48	5.00	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				23017.00	23095.00	23173.00			23017.00	23095.00	23173.00		
				699.7 MHz	707.5 MHz	715.3 MHz			699.7 MHz	707.5 MHz	715.3 MHz		
1.4 MHz	QPSK	1	0	24.35	24.37	24.38	0.00	24.70	24.35	24.37	24.38	0.00	24.70
		1	3	24.31	24.38	24.37	0.00	24.70	24.31	24.38	24.37	0.00	24.70
		1	5	24.31	24.34	24.32	0.00	24.70	24.31	24.34	24.32	0.00	24.70
		3	0	24.29	24.38	24.31	0.00	24.70	24.29	24.38	24.31	0.00	24.70
		3	1	24.35	24.38	24.37	0.00	24.70	24.35	24.38	24.37	0.00	24.70
		3	3	24.33	24.30	24.38	0.00	24.70	24.33	24.30	24.38	0.00	24.70
		6	0	23.34	23.43	23.39	1.00	23.70	23.34	23.43	23.39	1.00	23.70
	16QAM	1	0	23.68	23.41	23.57	1.00	23.70	23.68	23.41	23.57	1.00	23.70
		1	3	23.63	23.51	23.70	1.00	23.70	23.63	23.51	23.70	1.00	23.70
		1	5	23.63	23.48	23.67	1.00	23.70	23.63	23.48	23.67	1.00	23.70
		3	0	23.61	23.64	23.61	1.00	23.70	23.61	23.64	23.61	1.00	23.70
		3	1	23.65	23.52	23.68	1.00	23.70	23.65	23.52	23.68	1.00	23.70
		3	3	23.61	23.69	23.63	1.00	23.70	23.61	23.69	23.63	1.00	23.70
		6	0	22.30	22.63	22.36	2.00	22.70	22.30	22.63	22.36	2.00	22.70
	64QAM	1	0	22.50	22.49	22.41	2.00	22.70	22.50	22.49	22.41	2.00	22.70
		1	3	22.53	22.59	22.52	2.00	22.70	22.53	22.59	22.52	2.00	22.70
		1	5	22.44	22.51	22.44	2.00	22.70	22.44	22.51	22.44	2.00	22.70
		3	0	22.54	22.63	22.50	2.00	22.70	22.54	22.63	22.50	2.00	22.70
		3	1	22.58	22.66	22.60	2.00	22.70	22.58	22.66	22.60	2.00	22.70
		3	3	22.53	22.65	22.54	2.00	22.70	22.53	22.65	22.54	2.00	22.70
		6	0	21.62	21.68	21.60	3.00	21.70	21.62	21.68	21.60	3.00	21.70
	256QAM	1	0	18.70	18.76	18.73	5.00	19.70	18.70	18.76	18.73	5.00	19.70
		1	3	19.20	19.25	19.23	5.00	19.70	19.20	19.25	19.23	5.00	19.70
		1	5	19.19	19.22	19.15	5.00	19.70	19.19	19.22	19.15	5.00	19.70
		3	0	19.32	19.29	19.20	5.00	19.70	19.32	19.29	19.20	5.00	19.70
		3	1	19.29	19.33	19.22	5.00	19.70	19.29	19.33	19.22	5.00	19.70
		3	3	19.34	19.34	19.30	5.00	19.70	19.34	19.34	19.30	5.00	19.70
		6	0	19.43	19.53	19.40	5.00	19.70	19.43	19.53	19.40	5.00	19.70

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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	MPR	Tune-up Limit	23230	MPR	Tune-up Limit
				782 MHz			782 MHz		
10 MHz	QPSK	1	0	24.76	0.00	25.70	24.76	0.00	25.70
		1	25	24.80	0.00	25.70	24.80	0.00	25.70
		1	49	24.70	0.00	25.70	24.70	0.00	25.70
		25	0	24.54	1.00	24.70	24.54	1.00	24.70
		25	12	24.61	1.00	24.70	24.61	1.00	24.70
		25	25	24.56	1.00	24.70	24.56	1.00	24.70
		50	0	24.54	1.00	24.70	24.54	1.00	24.70
	16QAM	1	0	24.67	1.00	24.70	24.67	1.00	24.70
		1	25	24.45	1.00	24.70	24.45	1.00	24.70
		1	49	24.38	1.00	24.70	24.38	1.00	24.70
		25	0	23.59	2.00	23.70	23.59	2.00	23.70
		25	12	23.65	2.00	23.70	23.65	2.00	23.70
		25	25	23.64	2.00	23.70	23.64	2.00	23.70
		50	0	23.56	2.00	23.70	23.56	2.00	23.70
	64QAM	1	0	23.67	2.00	23.70	23.67	2.00	23.70
		1	25	23.70	2.00	23.70	23.70	2.00	23.70
		1	49	23.63	2.00	23.70	23.63	2.00	23.70
		25	0	22.58	3.00	22.70	22.58	3.00	22.70
		25	12	22.61	3.00	22.70	22.61	3.00	22.70
		25	25	22.62	3.00	22.70	22.62	3.00	22.70
		50	0	22.59	3.00	22.70	22.59	3.00	22.70
	256QAM	1	0	20.65	5.00	20.70	20.65	5.00	20.70
		1	25	20.57	5.00	20.70	20.57	5.00	20.70
		1	49	20.64	5.00	20.70	20.64	5.00	20.70
		25	0	20.63	5.00	20.70	20.63	5.00	20.70
		25	12	20.66	5.00	20.70	20.66	5.00	20.70
		25	25	20.70	5.00	20.70	20.70	5.00	20.70
		50	0	20.60	5.00	20.70	20.60	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	24.93	0.00	25.70	24.93	0.00	25.70
		1	12	24.84	0.00	25.70	24.84	0.00	25.70
		1	24	24.82	0.00	25.70	24.82	0.00	25.70
		12	0	24.51	1.00	24.70	24.51	1.00	24.70
		12	7	24.59	1.00	24.70	24.59	1.00	24.70
		12	13	24.56	1.00	24.70	24.56	1.00	24.70
		25	0	24.59	1.00	24.70	24.59	1.00	24.70
	16QAM	1	0	24.70	1.00	24.70	24.70	1.00	24.70
		1	12	24.64	1.00	24.70	24.64	1.00	24.70
		1	24	24.66	1.00	24.70	24.66	1.00	24.70
		12	0	23.65	2.00	23.70	23.65	2.00	23.70
		12	7	23.65	2.00	23.70	23.65	2.00	23.70
		12	13	23.66	2.00	23.70	23.66	2.00	23.70
		25	0	23.62	2.00	23.70	23.62	2.00	23.70
	64QAM	1	0	23.69	2.00	23.70	23.69	2.00	23.70
		1	12	23.70	2.00	23.70	23.70	2.00	23.70
		1	24	23.70	2.00	23.70	23.70	2.00	23.70
		12	0	22.58	3.00	22.70	22.58	3.00	22.70
		12	7	22.63	3.00	22.70	22.63	3.00	22.70
		12	13	22.60	3.00	22.70	22.60	3.00	22.70
		25	0	22.57	3.00	22.70	22.57	3.00	22.70
	256QAM	1	0	20.54	5.00	20.70	20.54	5.00	20.70
		1	12	20.58	5.00	20.70	20.58	5.00	20.70
		1	24	20.56	5.00	20.70	20.56	5.00	20.70
		12	0	20.53	5.00	20.70	20.53	5.00	20.70
		12	7	20.59	5.00	20.70	20.59	5.00	20.70
		12	13	20.59	5.00	20.70	20.59	5.00	20.70
		25	0	20.64	5.00	20.70	20.64	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) 23230.00 782 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 23230.00 782 MHz	MPR	Tune-up Limit
10 MHz	QPSK	1	0	24.20	0.00	24.70	24.20	0.00	24.70
		1	25	24.24	0.00	24.70	24.24	0.00	24.70
		1	49	24.20	0.00	24.70	24.20	0.00	24.70
		25	0	23.43	1.00	23.70	23.43	1.00	23.70
		25	12	23.47	1.00	23.70	23.47	1.00	23.70
		25	25	23.44	1.00	23.70	23.44	1.00	23.70
		50	0	23.47	1.00	23.70	23.47	1.00	23.70
	16QAM	1	0	23.53	1.00	23.70	23.53	1.00	23.70
		1	25	23.28	1.00	23.70	23.28	1.00	23.70
		1	49	23.42	1.00	23.70	23.42	1.00	23.70
		25	0	22.49	2.00	22.70	22.49	2.00	22.70
		25	12	22.59	2.00	22.70	22.59	2.00	22.70
		25	25	22.51	2.00	22.70	22.51	2.00	22.70
		50	0	22.54	2.00	22.70	22.54	2.00	22.70
	64QAM	1	0	22.61	2.00	22.70	22.61	2.00	22.70
		1	25	22.59	2.00	22.70	22.59	2.00	22.70
		1	49	22.56	2.00	22.70	22.56	2.00	22.70
		25	0	21.55	3.00	21.70	21.55	3.00	21.70
		25	12	21.59	3.00	21.70	21.59	3.00	21.70
		25	25	21.53	3.00	21.70	21.53	3.00	21.70
		50	0	21.56	3.00	21.70	21.56	3.00	21.70
	256QAM	1	0	19.50	5.00	19.70	19.50	5.00	19.70
		1	25	19.39	5.00	19.70	19.39	5.00	19.70
		1	49	19.51	5.00	19.70	19.51	5.00	19.70
		25	0	19.53	5.00	19.70	19.53	5.00	19.70
		25	12	19.62	5.00	19.70	19.62	5.00	19.70
		25	25	19.58	5.00	19.70	19.58	5.00	19.70
		50	0	19.57	5.00	19.70	19.57	5.00	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm) 23230.00 782 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 23230.00 782 MHz	MPR	Tune-up Limit
5 MHz	QPSK	1	0	24.38	0.00	24.70	24.38	0.00	24.70
		1	12	24.36	0.00	24.70	24.36	0.00	24.70
		1	24	24.36	0.00	24.70	24.36	0.00	24.70
		12	0	23.37	1.00	23.70	23.37	1.00	23.70
		12	7	23.44	1.00	23.70	23.44	1.00	23.70
		12	13	23.41	1.00	23.70	23.41	1.00	23.70
		25	0	23.43	1.00	23.70	23.43	1.00	23.70
	16QAM	1	0	23.48	1.00	23.70	23.48	1.00	23.70
		1	12	23.50	1.00	23.70	23.50	1.00	23.70
		1	24	23.48	1.00	23.70	23.48	1.00	23.70
		12	0	22.46	2.00	22.70	22.46	2.00	22.70
		12	7	22.50	2.00	22.70	22.50	2.00	22.70
		12	13	22.46	2.00	22.70	22.46	2.00	22.70
		25	0	22.39	2.00	22.70	22.39	2.00	22.70
	64QAM	1	0	22.60	2.00	22.70	22.60	2.00	22.70
		1	12	22.62	2.00	22.70	22.62	2.00	22.70
		1	24	22.66	2.00	22.70	22.66	2.00	22.70
		12	0	21.53	3.00	21.70	21.53	3.00	21.70
		12	7	21.55	3.00	21.70	21.55	3.00	21.70
		12	13	21.51	3.00	21.70	21.51	3.00	21.70
		25	0	21.48	3.00	21.70	21.48	3.00	21.70
	256QAM	1	0	19.40	5.00	19.70	19.40	5.00	19.70
		1	12	19.44	5.00	19.70	19.44	5.00	19.70
		1	24	19.44	5.00	19.70	19.44	5.00	19.70
		12	0	19.40	5.00	19.70	19.40	5.00	19.70
		12	7	19.49	5.00	19.70	19.49	5.00	19.70
		12	13	19.48	5.00	19.70	19.48	5.00	19.70
		25	0	19.51	5.00	19.70	19.51	5.00	19.70

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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	25.58	0.00	25.70	25.58	0.00	25.70
		1	25	25.60	0.00	25.70	25.60	0.00	25.70
		1	49	25.49	0.00	25.70	25.49	0.00	25.70
		25	0	24.54	1.00	24.70	24.54	1.00	24.70
		25	12	24.61	1.00	24.70	24.61	1.00	24.70
		25	25	24.57	1.00	24.70	24.57	1.00	24.70
		50	0	24.59	1.00	24.70	24.59	1.00	24.70
	16QAM	1	0	24.68	1.00	24.70	24.68	1.00	24.70
		1	25	24.55	1.00	24.70	24.55	1.00	24.70
		1	49	24.56	1.00	24.70	24.56	1.00	24.70
		25	0	23.65	2.00	23.70	23.65	2.00	23.70
		25	12	23.70	2.00	23.70	23.70	2.00	23.70
		25	25	23.68	2.00	23.70	23.68	2.00	23.70
		50	0	23.66	2.00	23.70	23.66	2.00	23.70
	64QAM	1	0	23.60	2.00	23.70	23.60	2.00	23.70
		1	25	23.60	2.00	23.70	23.60	2.00	23.70
		1	49	23.55	2.00	23.70	23.55	2.00	23.70
		25	0	22.45	3.00	22.70	22.45	3.00	22.70
		25	12	22.52	3.00	22.70	22.52	3.00	22.70
		25	25	22.54	3.00	22.70	22.54	3.00	22.70
		50	0	22.45	3.00	22.70	22.45	3.00	22.70
	256QAM	1	0	20.40	5.00	20.70	20.40	5.00	20.70
		1	25	20.53	5.00	20.70	20.53	5.00	20.70
		1	49	20.63	5.00	20.70	20.63	5.00	20.70
		25	0	20.55	5.00	20.70	20.55	5.00	20.70
		25	12	20.56	5.00	20.70	20.56	5.00	20.70
		25	25	20.54	5.00	20.70	20.54	5.00	20.70
		50	0	20.51	5.00	20.70	20.51	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23330.00	MPR	Tune-up Limit	23330.00	MPR	Tune-up Limit
				793 MHz			793 MHz		
5 MHz	QPSK	1	0	25.54	0.00	25.70	25.54	0.00	25.70
		1	12	25.58	0.00	25.70	25.58	0.00	25.70
		1	24	25.50	0.00	25.70	25.50	0.00	25.70
		12	0	24.48	1.00	24.70	24.48	1.00	24.70
		12	7	24.61	1.00	24.70	24.61	1.00	24.70
		12	13	24.57	1.00	24.70	24.57	1.00	24.70
		25	0	24.54	1.00	24.70	24.54	1.00	24.70
	16QAM	1	0	24.67	1.00	24.70	24.67	1.00	24.70
		1	12	24.70	1.00	24.70	24.70	1.00	24.70
		1	24	24.66	1.00	24.70	24.66	1.00	24.70
		12	0	23.58	2.00	23.70	23.58	2.00	23.70
		12	7	23.67	2.00	23.70	23.67	2.00	23.70
		12	13	23.60	2.00	23.70	23.60	2.00	23.70
		25	0	23.52	2.00	23.70	23.52	2.00	23.70
	64QAM	1	0	23.65	2.00	23.70	23.65	2.00	23.70
		1	12	23.54	2.00	23.70	23.54	2.00	23.70
		1	24	23.70	2.00	23.70	23.70	2.00	23.70
		12	0	22.60	3.00	22.70	22.60	3.00	22.70
		12	7	22.65	3.00	22.70	22.65	3.00	22.70
		12	13	22.61	3.00	22.70	22.61	3.00	22.70
		25	0	22.56	3.00	22.70	22.56	3.00	22.70
	256QAM	1	0	20.23	5.00	20.70	20.23	5.00	20.70
		1	12	20.24	5.00	20.70	20.24	5.00	20.70
		1	24	20.17	5.00	20.70	20.17	5.00	20.70
		12	0	20.43	5.00	20.70	20.43	5.00	20.70
		12	7	20.46	5.00	20.70	20.46	5.00	20.70
		12	13	20.41	5.00	20.70	20.41	5.00	20.70
		25	0	20.47	5.00	20.70	20.47	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)		
				23330.00	MPR	Tune-up Limit	23330.00	MPR	Tune-up Limit
				793 MHz			793 MHz		
10 MHz	QPSK	1	0	24.32	0.00	24.70	24.32	0.00	24.70
		1	25	24.34	0.00	24.70	24.34	0.00	24.70
		1	49	24.21	0.00	24.70	24.21	0.00	24.70
		25	0	23.38	1.00	23.70	23.38	1.00	23.70
		25	12	23.40	1.00	23.70	23.40	1.00	23.70
		25	25	23.37	1.00	23.70	23.37	1.00	23.70
		50	0	23.41	1.00	23.70	23.41	1.00	23.70
	16QAM	1	0	23.45	1.00	23.70	23.45	1.00	23.70
		1	25	23.50	1.00	23.70	23.50	1.00	23.70
		1	49	23.27	1.00	23.70	23.27	1.00	23.70
		25	0	22.43	2.00	22.70	22.43	2.00	22.70
		25	12	22.53	2.00	22.70	22.53	2.00	22.70
		25	25	22.49	2.00	22.70	22.49	2.00	22.70
		50	0	22.46	2.00	22.70	22.46	2.00	22.70
	64QAM	1	0	22.63	2.00	22.70	22.63	2.00	22.70
		1	25	22.68	2.00	22.70	22.68	2.00	22.70
		1	49	22.66	2.00	22.70	22.66	2.00	22.70
		25	0	21.44	3.00	21.70	21.44	3.00	21.70
		25	12	21.53	3.00	21.70	21.53	3.00	21.70
		25	25	21.51	3.00	21.70	21.51	3.00	21.70
		50	0	21.48	3.00	21.70	21.48	3.00	21.70
	256QAM	1	0	19.41	5.00	19.70	19.41	5.00	19.70
		1	25	19.52	5.00	19.70	19.52	5.00	19.70
		1	49	19.49	5.00	19.70	19.49	5.00	19.70
		25	0	19.39	5.00	19.70	19.39	5.00	19.70
		25	12	19.50	5.00	19.70	19.50	5.00	19.70
		25	25	19.54	5.00	19.70	19.54	5.00	19.70
		50	0	19.51	5.00	19.70	19.51	5.00	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				23330.00	MPR	Tune-up Limit	23330.00	MPR	Tune-up Limit
				793 MHz			793 MHz		
5 MHz	QPSK	1	0	24.38	0.00	24.70	24.38	0.00	24.70
		1	12	24.42	0.00	24.70	24.42	0.00	24.70
		1	24	24.33	0.00	24.70	24.33	0.00	24.70
		12	0	23.35	1.00	23.70	23.35	1.00	23.70
		12	7	23.46	1.00	23.70	23.46	1.00	23.70
		12	13	23.39	1.00	23.70	23.39	1.00	23.70
		25	0	23.39	1.00	23.70	23.39	1.00	23.70
	16QAM	1	0	23.52	1.00	23.70	23.52	1.00	23.70
		1	12	23.60	1.00	23.70	23.60	1.00	23.70
		1	24	23.40	1.00	23.70	23.40	1.00	23.70
		12	0	22.45	2.00	22.70	22.45	2.00	22.70
		12	7	22.51	2.00	22.70	22.51	2.00	22.70
		12	13	22.48	2.00	22.70	22.48	2.00	22.70
		25	0	22.35	2.00	22.70	22.35	2.00	22.70
	64QAM	1	0	22.31	2.00	22.70	22.31	2.00	22.70
		1	12	22.36	2.00	22.70	22.36	2.00	22.70
		1	24	22.38	2.00	22.70	22.38	2.00	22.70
		12	0	21.42	3.00	21.70	21.42	3.00	21.70
		12	7	21.50	3.00	21.70	21.50	3.00	21.70
		12	13	21.43	3.00	21.70	21.43	3.00	21.70
		25	0	21.43	3.00	21.70	21.43	3.00	21.70
	256QAM	1	0	19.18	5.00	19.70	19.18	5.00	19.70
		1	25	19.29	5.00	19.70	19.29	5.00	19.70
		1	49	19.34	5.00	19.70	19.34	5.00	19.70
		25	0	19.37	5.00	19.70	19.37	5.00	19.70
		25	12	19.46	5.00	19.70	19.46	5.00	19.70
		25	25	19.39	5.00	19.70	19.39	5.00	19.70
		50	0	19.48	5.00	19.70	19.48	5.00	19.70

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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	25.02	25.08	24.99	0.00	25.70	19.07	19.19	19.09	0.00	20.00
		1	49	25.04	25.12	25.05	0.00	25.70	19.11	19.20	19.11	0.00	20.00
		1	99	25.05	25.06	25.05	0.00	25.70	19.08	19.09	19.20	0.00	20.00
		50	0	24.24	24.21	24.28	1.00	24.70	19.11	19.16	19.23	0.00	20.00
		50	24	24.38	24.40	24.35	1.00	24.70	19.21	19.26	19.26	0.00	20.00
		50	50	24.37	24.28	24.35	1.00	24.70	19.18	19.18	19.23	0.00	20.00
		100	0	24.37	24.40	24.37	1.00	24.70	19.21	19.30	19.27	0.00	20.00
	16QAM	1	0	24.63	24.65	24.70	1.00	24.70	19.12	19.15	19.24	0.00	20.00
		1	49	24.68	24.59	24.59	1.00	24.70	19.16	19.08	19.18	0.00	20.00
		1	99	24.66	24.67	24.70	1.00	24.70	19.14	19.13	19.26	0.00	20.00
		50	0	23.22	23.21	23.30	2.00	23.70	18.78	18.89	18.81	0.00	20.00
		50	24	23.37	23.29	23.31	2.00	23.70	18.84	18.78	18.86	0.00	20.00
		50	50	23.33	23.26	23.34	2.00	23.70	18.82	18.78	18.84	0.00	20.00
		100	0	23.37	23.30	23.37	2.00	23.70	18.82	18.78	18.90	0.00	20.00
	64QAM	1	0	23.54	23.54	23.68	2.00	23.70	19.10	19.12	19.21	0.00	20.00
		1	49	23.67	23.52	23.58	2.00	23.70	19.11	19.18	19.18	0.00	20.00
		1	99	23.60	23.67	23.70	2.00	23.70	19.12	19.19	19.27	0.00	20.00
		50	0	22.34	22.27	22.36	3.00	22.70	18.90	18.92	18.96	0.00	20.00
		50	24	22.45	22.35	22.39	3.00	22.70	18.96	18.95	19.02	0.00	20.00
		50	50	22.44	22.36	22.40	3.00	22.70	18.93	18.91	19.03	0.00	20.00
		100	0	22.37	22.32	22.40	3.00	22.70	18.88	18.89	18.99	0.00	20.00
	256QAM	1	0	20.41	20.46	20.54	5.00	20.70	19.06	19.04	19.10	0.00	20.00
		1	49	20.51	20.43	20.46	5.00	20.70	19.09	19.09	19.11	0.00	20.00
		1	99	20.51	20.50	20.60	5.00	20.70	19.10	19.09	19.18	0.00	20.00
		50	0	20.34	20.27	20.38	5.00	20.70	19.17	19.18	19.26	0.00	20.00
		50	24	20.41	20.35	20.40	5.00	20.70	19.24	19.24	19.27	0.00	20.00
		50	50	20.40	20.32	20.37	5.00	20.70	19.24	19.21	19.27	0.00	20.00
		100	0	20.37	20.32	20.40	5.00	20.70	19.26	19.22	19.27	0.00	20.00
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	25.03	25.07	25.14	0.00	25.70	19.14	19.19	19.24	0.00	20.00
		1	37	25.05	24.97	25.05	0.00	25.70	19.10	19.09	19.16	0.00	20.00
		1	74	25.11	25.05	25.18	0.00	25.70	19.15	19.12	19.24	0.00	20.00
		36	0	24.22	24.20	24.25	1.00	24.70	19.13	19.13	19.18	0.00	20.00
		36	20	24.32	24.27	24.34	1.00	24.70	19.21	19.21	19.27	0.00	20.00
		36	39	24.28	24.23	24.37	1.00	24.70	19.15	19.14	19.24	0.00	20.00
		75	0	24.25	24.25	24.32	1.00	24.70	19.13	19.15	19.26	0.00	20.00
	16QAM	1	0	24.53	24.46	24.67	1.00	24.70	19.10	19.00	19.26	0.00	20.00
		1	37	24.70	24.57	24.69	1.00	24.70	19.14	19.09	19.27	0.00	20.00
		1	74	24.62	24.70	24.70	1.00	24.70	19.14	19.16	19.27	0.00	20.00
		36	0	23.21	23.21	23.24	2.00	23.70	18.98	18.98	18.99	0.00	20.00
		36	20	23.30	23.26	23.32	2.00	23.70	19.05	19.01	19.07	0.00	20.00
		36	39	23.29	23.26	23.36	2.00	23.70	19.01	18.99	19.06	0.00	20.00
		75	0	23.28	23.26	23.34	2.00	23.70	19.03	19.01	19.09	0.00	20.00
	64QAM	1	0	23.48	23.37	23.55	2.00	23.70	19.04	19.14	19.15	0.00	20.00
		1	37	23.61	23.34	23.62	2.00	23.70	19.09	19.10	19.12	0.00	20.00
		1	74	23.66	23.39	23.70	2.00	23.70	19.12	19.11	19.22	0.00	20.00
		36	0	22.28	22.31	22.27	3.00	22.70	18.84	18.84	18.89	0.00	20.00
		36	20	22.36	22.38	22.37	3.00	22.70	18.90	18.89	18.94	0.00	20.00
		36	39	22.33	22.34	22.39	3.00	22.70	18.86	18.87	18.93	0.00	20.00
		75	0	22.38	22.31	22.41	3.00	22.70	18.85	18.84	18.92	0.00	20.00
	256QAM	1	0	20.41	20.04	20.48	5.00	20.70	19.27	19.19	19.22	0.00	20.00
		1	37	20.53	20.03	20.54	5.00	20.70	19.26	19.09	19.22	0.00	20.00
		1	74	20.54	20.12	20.63	5.00	20.70	19.24	19.12	19.26	0.00	20.00
		36	0	20.27	20.27	20.27	5.00	20.70	19.13	19.13	19.15	0.00	20.00
		36	20	20.36	20.34	20.35	5.00	20.70	19.21	19.21	19.22	0.00	20.00
		36	39	20.33	20.28	20.34	5.00	20.70	19.18	19.14	19.22	0.00	20.00
		75	0	20.37	20.29	20.36	5.00	20.70	19.19	19.15	19.23	0.00	20.00

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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	24.94	24.87	24.88	0.00	25.70	19.03	18.97	19.02	0.00	20.00
		1	25	24.90	24.82	25.00	0.00	25.70	19.03	18.95	19.08	0.00	20.00
		1	49	24.98	24.93	25.09	0.00	25.70	19.06	19.06	19.27	0.00	20.00
		25	0	24.19	24.15	24.20	1.00	24.70	19.10	19.07	19.10	0.00	20.00
		25	12	24.31	24.25	24.30	1.00	24.70	19.22	19.18	19.16	0.00	20.00
		25	25	24.29	24.26	24.42	1.00	24.70	19.21	19.17	19.27	0.00	20.00
		50	0	24.30	24.24	24.29	1.00	24.70	19.17	19.18	19.18	0.00	20.00
	16QAM	1	0	24.28	24.18	24.22	1.00	24.70	19.05	18.96	18.96	0.00	20.00
		1	25	24.23	24.12	24.26	1.00	24.70	18.91	18.83	18.92	0.00	20.00
		1	49	24.29	24.22	24.37	1.00	24.70	18.98	18.94	19.17	0.00	20.00
		25	0	23.24	23.24	23.34	2.00	23.70	19.00	18.99	18.99	0.00	20.00
		25	12	23.40	23.37	23.40	2.00	23.70	18.91	18.85	18.84	0.00	20.00
		25	25	23.41	23.34	23.53	2.00	23.70	18.89	18.86	18.98	0.00	20.00
		50	0	23.30	23.30	23.34	2.00	23.70	18.83	18.78	18.79	0.00	20.00
	64QAM	1	0	23.40	23.33	23.37	2.00	23.70	18.91	19.04	19.02	0.00	20.00
		1	25	23.42	23.39	23.53	2.00	23.70	18.95	18.99	19.07	0.00	20.00
		1	49	23.48	23.42	23.61	2.00	23.70	18.95	19.07	19.24	0.00	20.00
		25	0	22.32	22.27	22.32	3.00	22.70	18.81	18.77	18.79	0.00	20.00
		25	12	22.39	22.36	22.41	3.00	22.70	18.91	18.88	18.89	0.00	20.00
		25	25	22.42	22.39	22.54	3.00	22.70	18.91	18.90	18.99	0.00	20.00
		50	0	22.35	22.28	22.35	3.00	22.70	18.80	18.84	18.82	0.00	20.00
	256QAM	1	0	20.20	20.21	20.17	5.00	20.70	18.94	18.99	18.89	0.00	20.00
		1	25	20.27	20.21	20.32	5.00	20.70	18.98	18.97	19.02	0.00	20.00
		1	49	20.39	20.31	20.47	5.00	20.70	19.03	18.99	18.98	0.00	20.00
		25	0	20.32	20.24	20.35	5.00	20.70	19.02	18.99	19.01	0.00	20.00
		25	12	20.42	20.36	20.40	5.00	20.70	19.07	19.07	19.07	0.00	20.00
		25	25	20.43	20.37	20.54	5.00	20.70	19.07	19.06	19.07	0.00	20.00
		50	0	20.38	20.30	20.34	5.00	20.70	19.07	19.01	19.01	0.00	20.00
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	25.05	24.91	25.13	0.00	25.70	19.05	19.04	19.15	0.00	20.00
		1	12	25.04	24.99	25.22	0.00	25.70	19.11	19.10	19.24	0.00	20.00
		1	24	25.01	24.98	25.19	0.00	25.70	19.08	19.07	19.27	0.00	20.00
		12	0	24.19	24.04	24.27	1.00	24.70	19.09	19.00	19.14	0.00	20.00
		12	7	24.27	24.23	24.37	1.00	24.70	19.18	19.15	19.25	0.00	20.00
		12	13	24.28	24.22	24.45	1.00	24.70	19.18	19.16	19.27	0.00	20.00
		25	0	24.22	24.15	24.31	1.00	24.70	19.10	19.11	19.17	0.00	20.00
	16QAM	1	0	24.32	24.27	24.46	1.00	24.70	18.83	18.81	18.82	0.00	20.00
		1	12	24.42	24.33	24.57	1.00	24.70	18.91	18.83	19.00	0.00	20.00
		1	24	24.38	24.35	24.54	1.00	24.70	18.87	18.83	19.03	0.00	20.00
		12	0	23.30	23.17	23.32	2.00	23.70	18.82	18.84	18.79	0.00	20.00
		12	7	23.36	23.31	23.41	2.00	23.70	18.86	18.81	18.87	0.00	20.00
		12	13	23.37	23.32	23.53	2.00	23.70	18.89	18.82	19.00	0.00	20.00
		25	0	23.22	23.17	23.29	2.00	23.70	18.93	18.87	18.95	0.00	20.00
	64QAM	1	0	23.39	23.35	23.51	2.00	23.70	18.85	18.82	18.88	0.00	20.00
		1	12	23.48	23.46	23.66	2.00	23.70	18.90	18.87	18.98	0.00	20.00
		1	24	23.51	23.46	23.63	2.00	23.70	18.93	18.90	18.86	0.00	20.00
		12	0	22.30	22.14	22.36	3.00	22.70	19.00	18.86	18.86	0.00	20.00
		12	7	22.36	22.33	22.45	3.00	22.70	19.02	18.99	18.87	0.00	20.00
		12	13	22.38	22.31	22.53	3.00	22.70	18.87	18.80	18.95	0.00	20.00
		25	0	22.27	22.21	22.34	3.00	22.70	18.79	18.85	18.79	0.00	20.00
	256QAM	1	0	20.15	20.11	20.23	5.00	20.70	19.20	19.02	19.10	0.00	20.00
		1	12	20.28	20.24	20.44	5.00	20.70	19.27	19.16	19.22	0.00	20.00
		1	24	20.25	20.23	20.42	5.00	20.70	19.27	19.14	19.27	0.00	20.00
		12	0	20.24	20.10	20.26	5.00	20.70	19.23	19.00	19.10	0.00	20.00
		12	7	20.28	20.27	20.37	5.00	20.70	19.27	19.15	19.20	0.00	20.00
		12	13	20.31	20.26	20.47	5.00	20.70	19.27	19.12	19.27	0.00	20.00
		25	0	20.31	20.25	20.36	5.00	20.70	19.22	19.14	19.22	0.00	20.00

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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	24.87	24.86	25.07	0.00	25.70	18.98	18.95	19.13	0.00	20.00
		1	8	24.90	24.86	25.02	0.00	25.70	18.93	18.90	19.12	0.00	20.00
		1	14	25.03	24.98	25.16	0.00	25.70	19.10	19.05	19.27	0.00	20.00
		8	0	24.21	24.14	24.38	1.00	24.70	19.12	19.07	19.23	0.00	20.00
		8	4	24.25	24.20	24.40	1.00	24.70	19.14	19.09	19.26	0.00	20.00
		8	7	24.28	24.26	24.46	1.00	24.70	19.18	19.15	19.27	0.00	20.00
		15	0	24.27	24.22	24.42	1.00	24.70	19.18	19.13	19.26	0.00	20.00
	16QAM	1	0	24.30	24.26	24.41	1.00	24.70	18.91	18.85	18.90	0.00	20.00
		1	8	24.24	24.21	24.42	1.00	24.70	18.91	18.86	18.92	0.00	20.00
		1	14	24.37	24.35	24.43	1.00	24.70	19.06	18.97	19.02	0.00	20.00
		8	0	23.29	23.21	23.40	2.00	23.70	18.94	18.88	18.86	0.00	20.00
		8	4	23.31	23.27	23.48	2.00	23.70	18.99	18.92	18.91	0.00	20.00
		8	7	23.34	23.28	23.48	2.00	23.70	19.03	18.96	18.96	0.00	20.00
		15	0	23.24	23.20	23.43	2.00	23.70	18.77	18.91	18.87	0.00	20.00
	64QAM	1	0	23.37	23.38	23.40	2.00	23.70	18.97	18.99	19.08	0.00	20.00
		1	8	23.40	23.34	23.47	2.00	23.70	19.04	18.99	19.19	0.00	20.00
		1	14	23.53	23.46	23.57	2.00	23.70	19.16	19.09	19.27	0.00	20.00
		8	0	22.21	22.14	22.48	3.00	22.70	18.86	18.80	18.94	0.00	20.00
		8	4	22.27	22.17	22.53	3.00	22.70	18.88	18.83	18.98	0.00	20.00
		8	7	22.32	22.23	22.56	3.00	22.70	18.94	18.87	19.01	0.00	20.00
		15	0	22.35	22.26	22.51	3.00	22.70	18.81	18.77	18.91	0.00	20.00
	256QAM	1	0	20.06	20.06	20.16	5.00	20.70	19.02	19.03	19.15	0.00	20.00
		1	8	20.27	20.19	20.13	5.00	20.70	19.16	19.15	19.24	0.00	20.00
		1	14	20.24	20.21	20.29	5.00	20.70	19.15	19.09	19.21	0.00	20.00
		8	0	20.41	20.30	20.34	5.00	20.70	19.20	19.15	19.18	0.00	20.00
		8	4	20.43	20.37	20.41	5.00	20.70	19.25	19.17	19.23	0.00	20.00
		8	7	20.44	20.38	20.45	5.00	20.70	19.17	19.20	19.27	0.00	20.00
		15	0	20.36	20.30	20.53	5.00	20.70	19.13	19.06	19.27	0.00	20.00

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	24.86	24.85	25.01	0.00	25.70	19.03	19.01	19.09	0.00	20.00
		1	3	24.96	24.88	25.07	0.00	25.70	19.05	19.03	19.16	0.00	20.00
		1	5	24.96	24.94	25.07	0.00	25.70	19.10	19.08	19.20	0.00	20.00
		3	0	24.88	24.83	24.97	0.00	25.70	18.96	18.92	19.06	0.00	20.00
		3	1	24.95	24.89	25.09	0.00	25.70	19.06	18.98	19.19	0.00	20.00
		3	3	24.95	24.89	25.09	0.00	25.70	19.10	19.04	19.21	0.00	20.00
		6	0	24.22	24.11	24.26	1.00	24.70	19.08	19.04	19.12	0.00	20.00
	16QAM	1	0	24.21	24.42	24.26	1.00	24.70	18.89	18.95	18.97	0.00	20.00
		1	3	24.27	24.62	24.35	1.00	24.70	18.86	18.90	18.91	0.00	20.00
		1	5	24.27	24.48	24.39	1.00	24.70	18.97	18.85	18.89	0.00	20.00
		3	0	24.33	24.32	24.45	1.00	24.70	18.82	18.78	18.95	0.00	20.00
		3	1	24.48	24.39	24.59	1.00	24.70	18.84	18.85	19.05	0.00	20.00
		3	3	24.50	24.37	24.57	1.00	24.70	18.89	18.87	19.10	0.00	20.00
		6	0	23.40	23.07	23.46	2.00	23.70	18.91	18.83	18.95	0.00	20.00
	64QAM	1	0	23.45	23.21	23.33	2.00	23.70	18.93	18.83	18.77	0.00	20.00
		1	3	23.50	23.24	23.48	2.00	23.70	18.95	18.79	18.93	0.00	20.00
		1	5	23.55	23.26	23.46	2.00	23.70	19.02	18.78	18.94	0.00	20.00
		3	0	23.21	23.26	23.35	2.00	23.70	18.82	18.94	18.88	0.00	20.00
		3	1	23.24	23.34	23.56	2.00	23.70	18.78	18.82	19.00	0.00	20.00
		3	3	23.27	23.32	23.56	2.00	23.70	18.78	18.85	19.01	0.00	20.00
		6	0	22.32	22.49	22.62	3.00	22.70	18.81	19.00	19.07	0.00	20.00
	256QAM	1	0	20.14	19.74	19.83	5.00	20.70	19.08	19.04	19.08	0.00	20.00
		1	3	20.25	20.04	20.57	5.00	20.70	19.19	19.09	19.27	0.00	20.00
		1	5	20.21	20.09	20.47	5.00	20.70	19.15	19.05	19.25	0.00	20.00
		3	0	20.32	20.01	20.23	5.00	20.70	19.14	19.11	19.23	0.00	20.00
		3	1	20.34	20.10	20.39	5.00	20.70	19.21	19.15	19.27	0.00	20.00
		3	3	20.34	20.13	20.36	5.00	20.70	19.23	19.18	19.27	0.00	20.00
		6	0	20.28	20.21	20.22	5.00	20.70	19.19	19.09	19.22	0.00	20.00

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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	19.96	20.00	20.08	0.00	20.70	21.04	21.12	21.09	0.00	21.70
		1	49	20.00	20.10	20.10	0.00	20.70	21.10	21.20	21.17	0.00	21.70
		1	99	19.95	20.03	20.05	0.00	20.70	20.92	21.05	21.10	0.00	21.70
		50	0	19.95	20.15	20.15	0.00	20.70	21.02	21.16	21.09	0.00	21.70
		50	24	20.04	20.21	20.21	0.00	20.70	21.08	21.17	21.17	0.00	21.70
		50	50	20.01	20.14	20.14	0.00	20.70	21.03	21.17	21.15	0.00	21.70
		100	0	20.02	20.10	20.21	0.00	20.70	21.06	21.17	21.17	0.00	21.70
	16QAM	1	0	19.94	20.10	20.02	0.00	20.70	21.05	21.10	21.10	0.00	21.70
		1	49	19.90	20.10	20.04	0.00	20.70	20.97	21.10	21.08	0.00	21.70
		1	99	19.97	19.97	20.04	0.00	20.70	20.98	21.07	21.10	0.00	21.70
		50	0	19.71	19.93	19.90	0.00	20.70	20.74	20.84	20.88	0.00	21.70
		50	24	19.80	19.99	19.96	0.00	20.70	20.73	20.87	20.92	0.00	21.70
		50	50	19.77	19.90	19.91	0.00	20.70	20.71	20.87	20.90	0.00	21.70
		100	0	19.78	19.89	20.00	0.00	20.70	20.74	20.85	20.93	0.00	21.70
	64QAM	1	0	20.10	20.06	19.99	0.00	20.70	20.81	20.85	20.84	0.00	21.70
		1	49	20.05	20.00	20.01	0.00	20.70	20.76	20.90	20.88	0.00	21.70
		1	99	19.95	19.96	19.97	0.00	20.70	20.75	20.84	20.90	0.00	21.70
		50	0	19.84	20.03	20.01	0.00	20.70	19.42	19.55	19.55	1.50	20.20
		50	24	19.90	20.09	20.07	0.00	20.70	19.46	19.54	19.57	1.50	20.20
		50	50	19.88	20.00	20.04	0.00	20.70	19.41	19.55	19.58	1.50	20.20
		100	0	19.88	19.95	20.04	0.00	20.70	19.40	19.49	19.52	1.50	20.20
	256QAM	1	0	17.97	17.99	17.93	2.50	18.20	17.58	17.60	17.62	3.50	18.20
		1	49	17.91	18.09	18.06	2.50	18.20	17.56	17.72	17.74	3.50	18.20
		1	99	18.05	17.96	18.02	2.50	18.20	17.47	17.62	17.65	3.50	18.20
		50	0	18.01	17.88	17.89	2.50	18.20	17.41	17.53	17.56	3.50	18.20
		50	24	18.06	17.88	17.93	2.50	18.20	17.46	17.54	17.56	3.50	18.20
		50	50	18.02	17.91	17.94	2.50	18.20	17.41	17.54	17.57	3.50	18.20
		100	0	18.03	18.07	17.91	2.50	18.20	17.43	17.48	17.53	3.50	18.20

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	19.99	20.16	20.21	0.00	20.70	21.17	21.18	21.32	0.00	21.70
		1	37	19.90	20.08	20.09	0.00	20.70	21.10	21.24	21.27	0.00	21.70
		1	74	19.96	20.04	20.09	0.00	20.70	21.07	21.11	21.24	0.00	21.70
		36	0	19.96	20.14	20.14	0.00	20.70	21.14	21.28	21.31	0.00	21.70
		36	20	20.02	20.20	20.19	0.00	20.70	21.18	21.28	21.38	0.00	21.70
		36	39	19.97	20.12	20.13	0.00	20.70	21.11	21.30	21.28	0.00	21.70
		75	0	19.97	20.05	20.17	0.00	20.70	21.11	21.23	21.32	0.00	21.70
	16QAM	1	0	20.10	19.84	20.00	0.00	20.70	21.05	20.76	21.09	0.00	21.70
		1	37	20.08	20.10	20.10	0.00	20.70	21.10	20.82	21.05	0.00	21.70
		1	74	19.80	20.00	20.07	0.00	20.70	20.91	20.70	21.10	0.00	21.70
		36	0	19.92	20.10	20.09	0.00	20.70	20.82	20.99	20.99	0.00	21.70
		36	20	19.98	20.13	20.14	0.00	20.70	20.86	21.00	21.05	0.00	21.70
		36	39	19.95	20.09	20.10	0.00	20.70	20.79	20.98	20.98	0.00	21.70
		75	0	19.98	20.04	20.15	0.00	20.70	20.85	20.94	21.03	0.00	21.70
	64QAM	1	0	19.99	20.11	20.13	0.00	20.70	21.06	20.74	21.10	0.00	21.70
		1	37	19.94	20.12	20.15	0.00	20.70	21.05	20.74	21.04	0.00	21.70
		1	74	19.95	20.07	20.16	0.00	20.70	20.96	20.90	21.10	0.00	21.70
		36	0	19.70	19.76	19.76	0.00	20.70	19.45	19.71	19.60	1.50	20.20
		36	20	19.70	19.82	19.81	0.00	20.70	19.49	19.68	19.63	1.50	20.20
		36	39	19.70	19.72	19.73	0.00	20.70	19.45	19.71	19.57	1.50	20.20
		75	0	19.70	19.73	19.79	0.00	20.70	19.50	19.59	19.66	1.50	20.20
	256QAM	1	0	18.09	18.02	17.67	2.50	18.20	17.68	17.35	17.71	3.50	18.20
		1	37	18.09	18.08	17.72	2.50	18.20	17.69	17.43	17.81	3.50	18.20
		1	74	17.94	18.04	17.77	2.50	18.20	17.69	17.39	17.83	3.50	18.20
		36	0	17.81	17.96	17.97	2.50	18.20	17.45	17.62	17.57	3.50	18.20
		36	20	17.87	17.97	18.03	2.50	18.20	17.50	17.62	17.63	3.50	18.20
		36	39	17.80	17.97	17.96	2.50	18.20	17.42	17.63	17.57	3.50	18.20
		75	0	17.83	17.93	17.98	2.50	18.20	17.49	17.56	17.62	3.50	18.20

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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	19.86	19.97	19.92	0.00	20.70	21.09	21.19	21.21	0.00	21.70
		1	25	19.79	19.92	19.89	0.00	20.70	20.99	21.16	21.12	0.00	21.70
		1	49	19.82	19.93	19.99	0.00	20.70	21.02	21.17	21.25	0.00	21.70
		25	0	19.89	20.06	20.02	0.00	20.70	21.17	21.25	21.23	0.00	21.70
		25	12	19.99	20.14	20.02	0.00	20.70	21.19	21.28	21.25	0.00	21.70
		25	25	19.97	20.12	20.09	0.00	20.70	21.18	21.33	21.28	0.00	21.70
		50	0	19.96	20.13	20.03	0.00	20.70	21.19	21.27	21.24	0.00	21.70
	16QAM	1	0	19.81	19.92	19.91	0.00	20.70	21.02	21.10	21.15	0.00	21.70
		1	25	19.70	19.88	19.80	0.00	20.70	20.88	21.07	20.99	0.00	21.70
		1	49	19.77	19.90	19.92	0.00	20.70	20.90	21.01	21.13	0.00	21.70
		25	0	19.82	19.97	19.91	0.00	20.70	20.82	20.83	20.86	0.00	21.70
		25	12	19.88	20.06	19.95	0.00	20.70	20.81	20.90	20.84	0.00	21.70
		25	25	19.90	20.02	20.02	0.00	20.70	20.77	20.95	20.92	0.00	21.70
		50	0	19.83	19.98	19.90	0.00	20.70	20.75	20.82	20.79	0.00	21.70
	64QAM	1	0	20.01	20.01	20.05	0.00	20.70	20.81	20.93	20.95	0.00	21.70
		1	25	19.99	20.01	20.05	0.00	20.70	20.79	21.00	20.95	0.00	21.70
		1	49	19.99	20.03	20.10	0.00	20.70	20.83	20.93	20.99	0.00	21.70
		25	0	19.73	19.95	19.91	0.00	20.70	19.84	19.87	19.86	1.50	20.20
		25	12	19.82	20.06	19.95	0.00	20.70	19.86	19.91	19.83	1.50	20.20
		25	25	19.85	20.04	20.05	0.00	20.70	19.82	19.94	19.90	1.50	20.20
		50	0	19.77	19.97	19.88	0.00	20.70	19.78	19.78	19.78	1.50	20.20
	256QAM	1	0	18.00	18.04	17.92	2.50	18.20	17.53	17.77	17.76	3.50	18.20
		1	25	18.01	18.10	17.92	2.50	18.20	17.50	17.82	17.76	3.50	18.20
		1	49	17.99	18.05	17.96	2.50	18.20	17.53	17.84	17.83	3.50	18.20
		25	0	18.18	18.01	18.18	2.50	18.20	17.81	17.88	17.85	3.50	18.20
		25	12	18.19	17.97	18.17	2.50	18.20	17.83	17.86	17.85	3.50	18.20
		25	25	18.17	18.08	18.03	2.50	18.20	17.84	17.93	17.90	3.50	18.20
		50	0	18.16	17.97	18.11	2.50	18.20	17.78	17.81	17.79	3.50	18.20
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26065	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	19.87	20.04	19.99	0.00	20.70	21.18	21.20	21.24	0.00	21.70
		1	12	19.92	20.06	20.03	0.00	20.70	21.13	21.27	21.28	0.00	21.70
		1	24	19.90	20.04	20.09	0.00	20.70	21.10	21.24	21.29	0.00	21.70
		12	0	19.90	19.97	19.97	0.00	20.70	21.12	21.18	21.22	0.00	21.70
		12	7	19.96	20.12	20.00	0.00	20.70	21.19	21.22	21.31	0.00	21.70
		12	13	19.99	20.11	20.12	0.00	20.70	21.21	21.32	21.32	0.00	21.70
		25	0	19.93	20.06	19.96	0.00	20.70	21.16	21.17	21.24	0.00	21.70
	16QAM	1	0	19.84	19.96	19.93	0.00	20.70	21.07	21.16	21.08	0.00	21.70
		1	12	19.89	20.04	20.02	0.00	20.70	21.13	21.24	21.22	0.00	21.70
		1	24	19.85	20.00	20.06	0.00	20.70	21.08	21.21	21.29	0.00	21.70
		12	0	19.81	19.83	19.83	0.00	20.70	20.72	20.71	20.81	0.00	21.70
		12	7	19.84	19.99	19.86	0.00	20.70	20.77	20.80	20.86	0.00	21.70
		12	13	19.89	19.98	19.99	0.00	20.70	20.81	20.89	20.88	0.00	21.70
		25	0	19.72	19.85	19.76	0.00	20.70	20.70	20.70	20.73	0.00	21.70
	64QAM	1	0	19.84	20.02	20.01	0.00	20.70	20.88	20.99	21.00	0.00	21.70
		1	12	19.94	20.10	20.10	0.00	20.70	20.96	21.10	21.05	0.00	21.70
		1	24	19.94	20.01	20.09	0.00	20.70	20.90	21.04	21.11	0.00	21.70
		12	0	19.76	19.84	19.81	0.00	20.70	19.61	19.66	19.71	1.50	20.20
		12	7	19.81	19.94	19.92	0.00	20.70	19.73	19.72	19.78	1.50	20.20
		12	13	19.83	19.98	19.98	0.00	20.70	19.71	19.84	19.80	1.50	20.20
		25	0	19.73	19.88	19.78	0.00	20.70	19.67	19.71	19.74	1.50	20.20
	256QAM	1	0	17.94	17.90	18.01	2.50	18.20	17.71	17.85	17.89	3.50	18.20
		1	12	18.06	18.04	18.08	2.50	18.20	17.84	17.99	17.94	3.50	18.20
		1	24	18.05	18.02	18.10	2.50	18.20	17.81	17.94	17.97	3.50	18.20
		12	0	18.02	18.01	17.92	2.50	18.20	17.71	17.77	17.81	3.50	18.20
		12	7	18.09	18.07	18.01	2.50	18.20	17.79	17.88	17.88	3.50	18.20
		12	13	18.09	18.18	18.01	2.50	18.20	17.82	17.93	17.88	3.50	18.20
		25	0	18.11	18.08	17.93	2.50	18.20	17.71	17.74	17.82	3.50	18.20

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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	19.78	19.96	19.89	0.00	20.70	21.03	21.10	21.11	0.00	21.70
		1	8	19.76	19.91	19.89	0.00	20.70	21.01	21.10	21.11	0.00	21.70
		1	14	19.90	20.03	20.07	0.00	20.70	21.14	21.27	21.31	0.00	21.70
		8	0	19.86	20.04	20.02	0.00	20.70	21.16	21.18	21.16	0.00	21.70
		8	4	19.95	20.05	20.09	0.00	20.70	21.17	21.19	21.27	0.00	21.70
		8	7	19.96	20.10	20.12	0.00	20.70	21.24	21.22	21.34	0.00	21.70
		15	0	19.95	20.09	20.09	0.00	20.70	21.18	21.22	21.20	0.00	21.70
	16QAM	1	0	19.79	19.93	19.90	0.00	20.70	21.00	21.09	21.05	0.00	21.70
		1	8	19.76	19.94	19.89	0.00	20.70	20.99	21.10	21.08	0.00	21.70
		1	14	19.87	20.00	20.03	0.00	20.70	21.09	21.18	21.26	0.00	21.70
		8	0	19.71	19.85	19.87	0.00	20.70	20.71	20.75	20.70	0.00	21.70
		8	4	19.80	19.98	19.93	0.00	20.70	20.77	20.77	20.84	0.00	21.70
		8	7	19.86	19.98	19.98	0.00	20.70	20.79	20.80	20.89	0.00	21.70
		15	0	19.76	19.89	19.87	0.00	20.70	20.70	20.73	20.71	0.00	21.70
	64QAM	1	0	19.83	20.08	20.04	0.00	20.70	20.83	20.96	20.72	0.00	21.70
		1	8	19.91	20.09	20.07	0.00	20.70	20.85	21.04	20.88	0.00	21.70
		1	14	19.96	20.10	20.10	0.00	20.70	20.94	21.14	21.00	0.00	21.70
		8	0	19.70	19.80	19.78	0.00	20.70	19.62	19.79	19.76	1.50	20.20
		8	4	19.70	19.87	19.85	0.00	20.70	19.67	19.83	19.87	1.50	20.20
		8	7	19.73	19.91	19.91	0.00	20.70	19.72	19.86	19.90	1.50	20.20
		15	0	19.74	19.97	19.89	0.00	20.70	19.76	19.76	19.83	1.50	20.20
	256QAM	1	0	17.85	17.97	17.78	2.50	18.20	17.50	18.15	17.50	3.50	18.20
		1	8	18.01	18.14	17.84	2.50	18.20	17.69	17.84	17.50	3.50	18.20
		1	14	18.06	18.14	17.98	2.50	18.20	17.68	17.90	17.69	3.50	18.20
		8	0	18.18	18.14	17.93	2.50	18.20	17.81	17.83	17.63	3.50	18.20
		8	4	18.20	18.16	18.11	2.50	18.20	17.84	17.84	17.80	3.50	18.20
		8	7	18.05	18.03	18.12	2.50	18.20	17.87	17.87	17.82	3.50	18.20
		15	0	18.18	18.13	18.18	2.50	18.20	17.80	17.77	17.84	3.50	18.20
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26047	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	19.71	19.89	19.97	0.00	20.70	21.01	21.13	21.16	0.00	21.70
		1	3	19.80	19.93	20.12	0.00	20.70	21.05	21.19	21.20	0.00	21.70
		1	5	19.84	19.96	20.07	0.00	20.70	21.09	21.20	21.23	0.00	21.70
		3	0	19.72	19.90	19.88	0.00	20.70	20.98	21.10	21.11	0.00	21.70
		3	1	19.79	19.93	19.95	0.00	20.70	21.07	21.19	21.19	0.00	21.70
		3	3	19.82	19.87	19.98	0.00	20.70	21.11	21.20	21.21	0.00	21.70
		6	0	19.86	19.98	19.93	0.00	20.70	21.14	21.12	21.19	0.00	21.70
	16QAM	1	0	19.70	19.84	19.84	0.00	20.70	20.72	21.10	20.90	0.00	21.70
		1	3	19.77	19.91	19.80	0.00	20.70	20.78	21.10	21.10	0.00	21.70
		1	5	19.75	19.93	19.98	0.00	20.70	20.82	21.00	21.10	0.00	21.70
		3	0	19.90	20.02	19.85	0.00	20.70	20.90	21.03	21.03	0.00	21.70
		3	1	19.95	20.09	19.91	0.00	20.70	21.03	21.09	21.06	0.00	21.70
		3	3	19.97	20.06	19.90	0.00	20.70	20.98	21.07	21.09	0.00	21.70
		6	0	19.88	20.01	19.91	0.00	20.70	20.70	20.72	20.70	0.00	21.70
	64QAM	1	0	20.03	20.26	19.80	0.00	20.70	20.88	20.84	20.81	0.00	21.70
		1	3	20.22	20.30	19.90	0.00	20.70	21.01	20.98	20.88	0.00	21.70
		1	5	20.17	20.22	19.96	0.00	20.70	20.92	20.96	20.94	0.00	21.70
		3	0	20.00	20.17	19.81	0.00	20.70	20.75	20.86	20.71	0.00	21.70
		3	1	20.03	20.16	20.00	0.00	20.70	20.86	21.03	20.75	0.00	21.70
		3	3	20.07	20.00	20.00	0.00	20.70	20.86	21.03	20.79	0.00	21.70
		6	0	19.70	19.81	20.00	0.00	20.70	19.48	20.10	19.65	1.50	20.20
	256QAM	1	0	18.05	17.80	18.01	2.50	18.20	17.48	17.30	17.49	3.50	18.20
		1	3	18.00	17.97	18.14	2.50	18.20	17.63	17.71	17.56	3.50	18.20
		1	5	18.10	17.96	18.10	2.50	18.20	17.54	17.73	17.30	3.50	18.20
		3	0	18.00	17.90	18.12	2.50	18.20	17.37	17.69	17.37	3.50	18.20
		3	1	18.01	17.97	18.00	2.50	18.20	17.46	17.80	17.32	3.50	18.20
		3	3	18.02	18.04	18.00	2.50	18.20	17.43	17.80	17.35	3.50	18.20
		6	0	17.90	18.07	18.14	2.50	18.20	17.39	17.89	17.39	3.50	18.20

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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	23.40	23.35	23.33	0.00	24.00	19.39	19.47	19.35	0.00	20.00
		1	49	23.45	23.50	23.35	0.00	24.00	19.50	19.50	19.45	0.00	20.00
		1	99	23.38	23.31	23.33	0.00	24.00	19.43	19.50	19.38	0.00	20.00
		50	0	23.45	23.33	23.34	0.00	24.00	19.37	19.31	19.44	0.00	20.00
		50	24	23.56	23.40	23.40	0.00	24.00	19.46	19.60	19.46	0.00	20.00
		50	50	23.51	23.39	23.40	0.00	24.00	19.37	19.38	19.41	0.00	20.00
		100	0	23.51	23.51	23.42	0.00	24.00	19.39	19.50	19.47	0.00	20.00
	16QAM	1	0	23.40	23.35	23.37	0.00	24.00	19.59	19.51	19.47	0.00	20.00
		1	49	23.36	23.37	23.31	0.00	24.00	19.56	19.47	19.49	0.00	20.00
		1	99	23.30	23.35	23.34	0.00	24.00	19.43	19.60	19.55	0.00	20.00
		50	0	22.44	22.34	22.36	0.80	23.20	19.37	19.35	19.42	0.00	20.00
		50	24	22.52	22.41	22.42	0.80	23.20	19.41	19.44	19.45	0.00	20.00
		50	50	22.48	22.37	22.40	0.80	23.20	19.34	19.44	19.54	0.00	20.00
		100	0	22.52	22.42	22.47	0.80	23.20	19.40	19.35	19.48	0.00	20.00
	64QAM	1	0	22.57	22.51	22.54	0.80	23.20	19.62	19.48	19.53	0.00	20.00
		1	49	22.61	22.69	22.67	0.80	23.20	19.54	19.50	19.65	0.00	20.00
		1	99	22.57	22.69	22.52	0.80	23.20	19.46	19.43	19.72	0.00	20.00
		50	0	21.55	21.44	21.44	1.80	22.20	19.41	19.33	19.46	0.00	20.00
		50	24	21.64	21.54	21.55	1.80	22.20	19.46	19.44	19.48	0.00	20.00
		50	50	21.57	21.50	21.53	1.80	22.20	19.42	19.40	19.54	0.00	20.00
		100	0	21.56	21.49	21.53	1.80	22.20	19.44	19.32	19.48	0.00	20.00
	256QAM	1	0	19.58	19.32	19.52	3.80	20.20	19.37	19.29	19.34	0.00	20.00
		1	49	19.68	19.31	19.54	3.80	20.20	19.32	19.27	19.45	0.00	20.00
		1	99	19.59	19.25	19.53	3.80	20.20	19.24	19.25	19.43	0.00	20.00
		50	0	19.49	19.42	19.40	3.80	20.20	19.43	19.33	19.50	0.00	20.00
		50	24	19.56	19.48	19.47	3.80	20.20	19.49	19.46	19.47	0.00	20.00
		50	50	19.52	19.45	19.43	3.80	20.20	19.45	19.38	19.54	0.00	20.00
		100	0	19.51	19.46	19.44	3.80	20.20	19.47	19.33	19.46	0.00	20.00

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26115.00	26365.00	26615.00	MPR	Tune-up Limit	26115.00	26365.00	26615.00	MPR	Tune-up Limit
				1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	QPSK	1	0	23.48	23.39	23.44	0.00	24.00	19.42	19.31	19.48	0.00	20.00
		1	37	23.48	23.33	23.36	0.00	24.00	19.36	19.28	19.49	0.00	20.00
		1	74	23.48	23.38	23.43	0.00	24.00	19.34	19.24	19.55	0.00	20.00
		36	0	23.48	23.35	23.38	0.00	24.00	19.39	19.36	19.47	0.00	20.00
		36	20	23.54	23.42	23.45	0.00	24.00	19.44	19.42	19.56	0.00	20.00
		36	39	23.49	23.38	23.44	0.00	24.00	19.37	19.37	19.55	0.00	20.00
		75	0	23.50	23.42	23.45	0.00	24.00	19.40	19.38	19.54	0.00	20.00
	16QAM	1	0	23.49	23.24	23.46	0.00	24.00	19.55	19.06	19.60	0.00	20.00
		1	37	23.46	23.28	23.24	0.00	24.00	19.59	19.06	19.47	0.00	20.00
		1	74	23.29	23.62	23.46	0.00	24.00	19.45	19.02	19.60	0.00	20.00
		36	0	22.45	22.35	22.37	0.80	23.20	19.39	19.35	19.44	0.00	20.00
		36	20	22.54	22.43	22.47	0.80	23.20	19.46	19.42	19.54	0.00	20.00
		36	39	22.48	22.38	22.43	0.80	23.20	19.40	19.39	19.54	0.00	20.00
		75	0	22.50	22.41	22.45	0.80	23.20	19.41	19.40	19.54	0.00	20.00
	64QAM	1	0	22.48	22.69	22.69	0.80	23.20	19.49	19.54	19.49	0.00	20.00
		1	37	22.51	22.69	22.68	0.80	23.20	19.51	19.60	19.52	0.00	20.00
		1	74	22.48	22.67	22.42	0.80	23.20	19.58	19.60	19.46	0.00	20.00
		36	0	21.53	21.45	21.45	1.80	22.20	19.42	19.32	19.45	0.00	20.00
		36	20	21.61	21.50	21.53	1.80	22.20	19.46	19.40	19.55	0.00	20.00
		36	39	21.57	21.48	21.51	1.80	22.20	19.42	19.38	19.50	0.00	20.00
		75	0	21.55	21.47	21.50	1.80	22.20	19.50	19.41	19.57	0.00	20.00
	256QAM	1	0	19.68	19.47	19.21	3.80	20.20	19.53	19.42	19.51	0.00	20.00
		1	37	19.43	19.50	19.50	3.80	20.20	19.48	19.37	19.48	0.00	20.00
		1	74	19.70	19.52	19.29	3.80	20.20	19.34	19.33	19.60	0.00	20.00
		36	0	19.47	19.41	19.39	3.80	20.20	19.43	19.33	19.43	0.00	20.00
		36	20	19.56	19.47	19.49	3.80	20.20	19.49	19.40	19.53	0.00	20.00
		36	39	19.51	19.46	19.44	3.80	20.20	19.45	19.37	19.52	0.00	20.00
		75	0	19.53	19.46	19.48	3.80	20.20	19.45	19.38	19.56	0.00	20.00

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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
				26090.00	26365.00	26640.00			26090.00	26365.00	26640.00		
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	23.37	23.27	23.27	0.00	24.00	19.32	19.26	19.34	0.00	20.00
		1	25	23.33	23.25	23.26	0.00	24.00	19.23	19.16	19.37	0.00	20.00
		1	49	23.39	23.30	23.32	0.00	24.00	19.26	19.22	19.48	0.00	20.00
		25	0	23.50	23.31	23.35	0.00	24.00	19.36	19.29	19.45	0.00	20.00
		25	12	23.56	23.44	23.40	0.00	24.00	19.45	19.40	19.57	0.00	20.00
		25	25	23.54	23.44	23.49	0.00	24.00	19.44	19.38	19.58	0.00	20.00
		50	0	23.53	23.43	23.41	0.00	24.00	19.45	19.36	19.57	0.00	20.00
	16QAM	1	0	23.52	23.41	23.41	0.00	24.00	19.49	19.36	19.38	0.00	20.00
		1	25	23.44	23.27	23.33	0.00	24.00	19.30	19.24	19.38	0.00	20.00
		1	49	23.53	23.41	23.48	0.00	24.00	19.41	19.28	19.48	0.00	20.00
		25	0	22.63	22.41	22.49	0.80	23.20	19.45	19.35	19.47	0.00	20.00
		25	12	22.65	22.56	22.49	0.80	23.20	19.58	19.48	19.60	0.00	20.00
		25	25	22.63	22.57	22.59	0.80	23.20	19.56	19.50	19.63	0.00	20.00
		50	0	22.58	22.49	22.43	0.80	23.20	19.49	19.43	19.56	0.00	20.00
	64QAM	1	0	22.64	22.55	22.64	0.80	23.20	19.55	19.36	19.52	0.00	20.00
		1	25	22.67	22.59	22.61	0.80	23.20	19.58	19.51	19.66	0.00	20.00
		1	49	22.70	22.58	22.70	0.80	23.20	19.57	19.52	19.72	0.00	20.00
		25	0	21.58	21.47	21.48	1.80	22.20	19.46	19.35	19.48	0.00	20.00
		25	12	21.64	21.58	21.48	1.80	22.20	19.54	19.44	19.61	0.00	20.00
		25	25	21.63	21.59	21.58	1.80	22.20	19.56	19.48	19.64	0.00	20.00
		50	0	21.57	21.48	21.42	1.80	22.20	19.48	19.36	19.53	0.00	20.00
	256QAM	1	0	19.44	19.68	19.70	3.80	20.20	19.44	19.34	19.44	0.00	20.00
		1	25	19.49	19.70	19.70	3.80	20.20	19.44	19.34	19.49	0.00	20.00
		1	49	19.57	19.65	19.30	3.80	20.20	19.41	19.34	19.59	0.00	20.00
		25	0	19.61	19.36	19.37	3.80	20.20	19.48	19.36	19.48	0.00	20.00
		25	12	19.63	19.50	19.45	3.80	20.20	19.56	19.46	19.63	0.00	20.00
		25	25	19.61	19.50	19.54	3.80	20.20	19.54	19.46	19.63	0.00	20.00
		50	0	19.58	19.46	19.38	3.80	20.20	19.50	19.40	19.58	0.00	20.00

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26065.00	26365.00	26665.00			26065.00	26365.00	26665.00		
				1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	QPSK	1	0	23.49	23.38	23.40	0.00	24.00	19.35	19.34	19.48	0.00	20.00
		1	12	23.48	23.39	23.42	0.00	24.00	19.40	19.33	19.55	0.00	20.00
		1	24	23.45	23.37	23.46	0.00	24.00	19.38	19.38	19.56	0.00	20.00
		12	0	23.44	23.28	23.33	0.00	24.00	19.37	19.24	19.42	0.00	20.00
		12	7	23.53	23.42	23.42	0.00	24.00	19.43	19.39	19.53	0.00	20.00
		12	13	23.51	23.41	23.52	0.00	24.00	19.45	19.40	19.63	0.00	20.00
		25	0	23.48	23.36	23.38	0.00	24.00	19.41	19.33	19.48	0.00	20.00
	16QAM	1	0	23.56	23.47	23.49	0.00	24.00	19.48	19.44	19.57	0.00	20.00
		1	12	23.63	23.53	23.57	0.00	24.00	19.53	19.45	19.70	0.00	20.00
		1	24	23.59	23.52	23.63	0.00	24.00	19.51	19.50	19.70	0.00	20.00
		12	0	22.53	22.35	22.42	0.80	23.20	19.48	19.29	19.51	0.00	20.00
		12	7	22.58	22.47	22.48	0.80	23.20	19.51	19.47	19.59	0.00	20.00
		12	13	22.62	22.52	22.58	0.80	23.20	19.52	19.46	19.69	0.00	20.00
		25	0	22.47	22.34	22.36	0.80	23.20	19.40	19.37	19.46	0.00	20.00
	64QAM	1	0	22.38	22.28	22.65	0.80	23.20	19.55	19.55	19.65	0.00	20.00
		1	12	22.46	22.36	22.69	0.80	23.20	19.64	19.61	19.77	0.00	20.00
		1	24	22.51	22.40	22.70	0.80	23.20	19.70	19.54	19.79	0.00	20.00
		12	0	21.52	21.33	21.42	1.80	22.20	19.46	19.16	19.46	0.00	20.00
		12	7	21.55	21.46	21.45	1.80	22.20	19.46	19.34	19.54	0.00	20.00
		12	13	21.56	21.48	21.55	1.80	22.20	19.51	19.33	19.68	0.00	20.00
		25	0	21.49	21.42	21.39	1.80	22.20	19.43	19.29	19.49	0.00	20.00
	256QAM	1	0	19.52	19.27	19.22	3.80	20.20	19.32	19.38	19.43	0.00	20.00
		1	12	19.64	19.40	19.35	3.80	20.20	19.46	19.52	19.58	0.00	20.00
		1	24	19.62	19.39	19.30	3.80	20.20	19.41	19.49	19.58	0.00	20.00
		12	0	19.51	19.26	19.31	3.80	20.20	19.39	19.25	19.41	0.00	20.00
		12	7	19.59	19.45	19.38	3.80	20.20	19.46	19.42	19.52	0.00	20.00
		12	13	19.58	19.45	19.50	3.80	20.20	19.45	19.46	19.61	0.00	20.00
		25	0	19.48	19.43	19.42	3.80	20.20	19.45	19.35	19.52	0.00	20.00

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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
				26055.00	26365.00	26675.00			26055.00	26365.00	26675.00		
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	23.34	23.25	23.32	0.00	24.00	19.25	19.19	19.39	0.00	20.00
		1	8	23.30	23.21	23.28	0.00	24.00	19.21	19.15	19.43	0.00	20.00
		1	14	23.46	23.37	23.43	0.00	24.00	19.39	19.33	19.59	0.00	20.00
		8	0	23.44	23.35	23.40	0.00	24.00	19.35	19.30	19.54	0.00	20.00
		8	4	23.50	23.39	23.46	0.00	24.00	19.41	19.33	19.58	0.00	20.00
		8	7	23.52	23.44	23.49	0.00	24.00	19.44	19.37	19.63	0.00	20.00
		15	0	23.52	23.40	23.44	0.00	24.00	19.45	19.36	19.60	0.00	20.00
	16QAM	1	0	23.50	23.45	23.42	0.00	24.00	19.43	19.37	19.45	0.00	20.00
		1	8	23.49	23.42	23.44	0.00	24.00	19.42	19.33	19.50	0.00	20.00
		1	14	23.62	23.51	23.56	0.00	24.00	19.54	19.48	19.56	0.00	20.00
		8	0	22.53	22.39	22.46	0.80	23.20	19.40	19.33	19.65	0.00	20.00
		8	4	22.56	22.46	22.52	0.80	23.20	19.48	19.43	19.66	0.00	20.00
		8	7	22.56	22.49	22.53	0.80	23.20	19.53	19.44	19.72	0.00	20.00
		15	0	22.52	22.40	22.47	0.80	23.20	19.43	19.35	19.64	0.00	20.00
	64QAM	1	0	22.68	22.63	22.66	0.80	23.20	19.51	19.52	19.59	0.00	20.00
		1	8	22.51	22.64	22.47	0.80	23.20	19.58	19.53	19.71	0.00	20.00
		1	14	22.62	22.50	22.64	0.80	23.20	19.64	19.51	19.76	0.00	20.00
		8	0	21.61	21.47	21.54	1.80	22.20	19.36	19.24	19.61	0.00	20.00
		8	4	21.61	21.54	21.54	1.80	22.20	19.41	19.29	19.62	0.00	20.00
		8	7	21.66	21.55	21.60	1.80	22.20	19.47	19.34	19.66	0.00	20.00
		15	0	21.55	21.43	21.50	1.80	22.20	19.47	19.43	19.64	0.00	20.00
	256QAM	1	0	19.27	19.52	19.22	3.80	20.20	19.23	19.18	19.34	0.00	20.00
		1	8	19.48	19.53	19.20	3.80	20.20	19.43	19.36	19.38	0.00	20.00
		1	14	19.48	19.64	19.30	3.80	20.20	19.41	19.33	19.37	0.00	20.00
		8	0	19.62	19.48	19.37	3.80	20.20	19.53	19.44	19.48	0.00	20.00
		8	4	19.63	19.44	19.43	3.80	20.20	19.55	19.47	19.54	0.00	20.00
		8	7	19.68	19.54	19.46	3.80	20.20	19.62	19.51	19.60	0.00	20.00
		15	0	19.58	19.45	19.55	3.80	20.20	19.54	19.45	19.70	0.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26047.00	26365.00	26683.00			26047.00	26365.00	26683.00		
				1850.7 MHz	1882.5 MHz	1914.3 MHz			1850.7 MHz	1882.5 MHz	1914.3 MHz		
1.4 MHz	QPSK	1	0	23.34	23.27	23.30	0.00	24.00	19.32	19.14	19.35	0.00	20.00
		1	3	23.38	23.30	23.51	0.00	24.00	19.44	19.25	19.45	0.00	20.00
		1	5	23.41	23.30	23.43	0.00	24.00	19.40	19.26	19.45	0.00	20.00
		3	0	23.78	23.74	23.76	0.00	24.00	19.22	19.14	19.36	0.00	20.00
		3	1	23.88	23.79	23.80	0.00	24.00	19.36	19.23	19.41	0.00	20.00
		3	3	23.89	23.82	23.85	0.00	24.00	19.37	19.19	19.38	0.00	20.00
		6	0	23.40	23.32	23.34	0.00	24.00	19.38	19.27	19.42	0.00	20.00
	16QAM	1	0	23.70	23.64	23.43	0.00	24.00	19.45	19.27	19.43	0.00	20.00
		1	3	23.60	23.50	23.44	0.00	24.00	19.43	19.35	19.57	0.00	20.00
		1	5	23.47	23.66	23.54	0.00	24.00	19.56	19.39	19.58	0.00	20.00
		3	0	23.63	23.53	23.41	0.00	24.00	19.40	19.41	19.43	0.00	20.00
		3	1	23.70	23.59	23.46	0.00	24.00	19.43	19.55	19.56	0.00	20.00
		3	3	23.66	23.56	23.45	0.00	24.00	19.47	19.51	19.58	0.00	20.00
		6	0	22.35	22.27	22.52	0.80	23.20	19.61	19.49	19.41	0.00	20.00
	64QAM	1	0	22.45	22.30	22.23	0.80	23.20	19.36	19.13	19.53	0.00	20.00
		1	3	22.58	22.40	22.43	0.80	23.20	19.41	19.18	19.50	0.00	20.00
		1	5	22.51	22.34	22.39	0.80	23.20	19.51	19.19	19.55	0.00	20.00
		3	0	22.31	23.15	23.12	0.80	23.20	19.06	19.16	19.25	0.00	20.00
		3	1	22.39	23.19	22.22	0.80	23.20	19.19	19.24	19.38	0.00	20.00
		3	3	22.40	22.24	22.26	0.80	23.20	19.20	19.28	19.38	0.00	20.00
		6	0	21.70	21.86	21.82	1.80	22.20	19.29	19.43	19.38	0.00	20.00
	256QAM	1	0	19.97	19.60	19.77	3.80	20.20	19.03	19.46	19.15	0.00	20.00
		1	3	20.09	19.70	19.80	3.80	20.20	19.14	19.00	19.35	0.00	20.00
		1	5	20.04	19.73	19.80	3.80	20.20	19.17	19.02	19.31	0.00	20.00
		3	0	19.85	19.70	19.74	3.80	20.20	19.19	19.00	19.31	0.00	20.00
		3	1	19.93	19.78	19.79	3.80	20.20	19.33	19.00	19.47	0.00	20.00
		3	3	19.91	19.76	19.82	3.80	20.20	19.31	19.02	19.44	0.00	20.00
		6	0	19.84	19.92	20.00	3.80	20.20	19.27	19.16	19.26	0.00	20.00

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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	17.88	17.82	17.77	0.00	18.50	19.25	19.14	19.09	0.00	19.80
		1	49	17.88	17.88	17.87	0.00	18.50	19.30	19.33	19.17	0.00	19.80
		1	99	17.74	17.74	17.81	0.00	18.50	19.08	19.08	19.17	0.00	19.80
		50	0	17.98	17.85	17.87	0.00	18.50	19.30	19.16	19.20	0.00	19.80
		50	24	17.98	17.98	17.94	0.00	18.50	19.30	19.30	19.25	0.00	19.80
		50	50	17.89	17.87	17.91	0.00	18.50	19.20	19.18	19.23	0.00	19.80
		100	0	17.91	17.93	17.93	0.00	18.50	19.25	19.30	19.27	0.00	19.80
	16QAM	1	0	17.92	17.82	17.74	0.00	18.50	19.35	19.32	19.33	0.00	19.80
		1	49	17.83	17.75	17.80	0.00	18.50	19.35	19.27	19.34	0.00	19.80
		1	99	17.75	17.77	17.88	0.00	18.50	19.26	19.29	19.30	0.00	19.80
		50	0	17.77	17.67	17.66	0.00	18.50	19.11	18.95	19.00	0.00	19.80
		50	24	17.70	17.62	17.74	0.00	18.50	19.07	18.96	19.09	0.00	19.80
		50	50	17.67	17.67	17.72	0.00	18.50	19.01	18.98	19.05	0.00	19.80
		100	0	17.72	17.62	17.76	0.00	18.50	19.06	18.94	19.07	0.00	19.80
	64QAM	1	0	17.90	17.31	17.50	0.00	18.50	19.32	19.03	19.35	0.00	19.80
		1	49	17.83	17.26	17.55	0.00	18.50	19.31	19.00	19.24	0.00	19.80
		1	99	17.85	17.37	17.68	0.00	18.50	19.28	19.09	19.13	0.00	19.80
		50	0	17.70	17.46	17.58	0.00	18.50	19.17	18.95	19.03	0.10	19.70
		50	24	17.66	17.44	17.67	0.00	18.50	19.14	18.95	19.14	0.10	19.70
		50	50	17.60	17.48	17.64	0.00	18.50	19.05	19.00	19.10	0.10	19.70
		100	0	17.56	17.44	17.60	0.00	18.50	19.09	18.94	19.09	0.10	19.70
	256QAM	1	0	17.76	17.30	17.57	0.00	18.50	18.48	18.05	18.32	1.10	18.70
		1	49	17.70	17.23	17.64	0.00	18.50	18.42	17.95	18.46	1.10	18.70
		1	99	17.56	17.24	17.67	0.00	18.50	18.31	18.00	18.45	1.10	18.70
		50	0	17.66	17.42	17.49	0.00	18.50	18.40	18.19	18.23	1.10	18.70
		50	24	17.60	17.43	17.58	0.00	18.50	18.34	18.16	18.33	1.10	18.70
		50	50	17.53	17.47	17.53	0.00	18.50	18.26	18.20	18.30	1.10	18.70
		100	0	17.55	17.39	17.50	0.00	18.50	18.29	18.14	18.28	1.10	18.70
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	17.57	17.50	17.52	0.00	18.50	19.14	19.03	19.04	0.00	19.80
		1	37	17.50	17.45	17.52	0.00	18.50	19.03	18.98	19.05	0.00	19.80
		1	74	17.44	17.43	17.47	0.00	18.50	18.97	18.95	19.05	0.00	19.80
		36	0	17.60	17.46	17.49	0.00	18.50	19.17	18.99	19.03	0.00	19.80
		36	20	17.56	17.45	17.50	0.00	18.50	19.12	19.00	19.01	0.00	19.80
		36	39	17.49	17.47	17.52	0.00	18.50	19.05	19.01	19.07	0.00	19.80
		75	0	17.53	17.42	17.45	0.00	18.50	19.07	18.97	19.02	0.00	19.80
	16QAM	1	0	17.73	17.44	17.57	0.00	18.50	19.29	18.92	19.05	0.00	19.80
		1	37	17.60	17.47	17.52	0.00	18.50	19.11	19.02	19.03	0.00	19.80
		1	74	17.39	17.52	17.90	0.00	18.50	19.05	19.05	19.33	0.00	19.80
		36	0	17.58	17.43	17.44	0.00	18.50	19.17	19.01	19.01	0.00	19.80
		36	20	17.56	17.42	17.49	0.00	18.50	19.12	19.01	19.04	0.00	19.80
		36	39	17.51	17.46	17.51	0.00	18.50	19.05	19.02	19.08	0.00	19.80
		75	0	17.55	17.39	17.48	0.00	18.50	19.12	18.97	19.00	0.00	19.80
	64QAM	1	0	17.66	17.55	17.90	0.00	18.50	19.09	18.94	18.94	0.00	19.80
		1	37	17.63	17.53	17.90	0.00	18.50	19.01	18.92	18.98	0.00	19.80
		1	74	17.59	17.51	17.88	0.00	18.50	18.99	18.91	19.02	0.00	19.80
		36	0	17.70	17.53	17.52	0.00	18.50	19.09	18.91	18.94	0.10	19.70
		36	20	17.65	17.51	17.51	0.00	18.50	19.04	18.88	18.92	0.10	19.70
		36	39	17.58	17.55	17.55	0.00	18.50	18.96	18.88	18.96	0.10	19.70
		75	0	17.61	17.45	17.54	0.00	18.50	18.95	18.81	18.88	0.10	19.70
	256QAM	1	0	17.75	17.61	17.47	0.00	18.50	17.97	17.75	17.81	1.10	18.70
		1	37	17.73	17.65	17.60	0.00	18.50	17.90	17.81	17.84	1.10	18.70
		1	74	17.68	17.66	17.65	0.00	18.50	17.86	17.84	17.98	1.10	18.70
		36	0	17.64	17.49	17.47	0.00	18.50	18.22	18.04	18.04	1.10	18.70
		36	20	17.62	17.47	17.47	0.00	18.50	18.18	18.03	18.05	1.10	18.70
		36	39	17.56	17.50	17.52	0.00	18.50	18.09	18.05	18.10	1.10	18.70
		75	0	17.56	17.47	17.47	0.00	18.50	18.14	17.97	18.00	1.10	18.70

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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
				26090.00	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	17.65	17.55	17.52	0.00	18.50	19.02	18.90	18.92	0.00	19.80
		1	25	17.60	17.44	17.49	0.00	18.50	18.95	18.83	18.94	0.00	19.80
		1	49	17.56	17.55	17.65	0.00	18.50	18.91	18.86	19.02	0.00	19.80
		25	0	17.78	17.62	17.62	0.00	18.50	19.13	18.95	19.02	0.00	19.80
		25	12	17.80	17.63	17.75	0.00	18.50	19.15	18.96	19.15	0.00	19.80
		25	25	17.76	17.62	17.75	0.00	18.50	19.12	18.95	19.15	0.00	19.80
		50	0	17.77	17.63	17.73	0.00	18.50	19.14	18.96	19.14	0.00	19.80
	16QAM	1	0	17.58	17.37	17.28	0.00	18.50	19.16	18.96	19.06	0.00	19.80
		1	25	17.40	17.27	17.34	0.00	18.50	18.97	18.82	18.91	0.00	19.80
		1	49	17.48	17.46	17.57	0.00	18.50	19.06	18.93	19.14	0.00	19.80
		25	0	17.67	17.48	17.54	0.00	18.50	19.06	18.82	18.88	0.00	19.80
		25	12	17.70	17.53	17.64	0.00	18.50	19.06	18.91	18.97	0.00	19.80
		25	25	17.68	17.52	17.63	0.00	18.50	19.02	18.84	18.98	0.00	19.80
		50	0	17.62	17.47	17.57	0.00	18.50	19.00	18.83	18.93	0.00	19.80
	64QAM	1	0	17.84	17.53	17.71	0.00	18.50	19.06	18.87	18.89	0.00	19.80
		1	25	17.80	17.51	17.77	0.00	18.50	19.10	18.81	18.95	0.00	19.80
		1	49	17.83	17.57	17.82	0.00	18.50	19.05	18.94	19.10	0.00	19.80
		25	0	17.67	17.51	17.48	0.00	18.50	19.10	18.88	18.92	0.10	19.70
		25	12	17.69	17.51	17.61	0.00	18.50	19.09	18.90	19.00	0.10	19.70
		25	25	17.69	17.48	17.62	0.00	18.50	19.06	18.89	18.98	0.10	19.70
		50	0	17.65	17.41	17.56	0.00	18.50	18.99	18.80	18.95	0.10	19.70
	256QAM	1	0	17.78	17.21	17.67	0.00	18.50	18.17	18.01	17.95	1.10	18.70
		1	25	17.85	17.15	17.76	0.00	18.50	18.11	17.92	18.01	1.10	18.70
		1	49	17.82	17.25	17.80	0.00	18.50	18.14	18.08	18.22	1.10	18.70
		25	0	17.45	17.28	17.29	0.00	18.50	18.44	18.23	18.28	1.10	18.70
		25	12	17.49	17.28	17.38	0.00	18.50	18.47	18.26	18.39	1.10	18.70
		25	25	17.44	17.28	17.40	0.00	18.50	18.44	18.24	18.38	1.10	18.70
		50	0	17.45	17.21	17.38	0.00	18.50	18.43	18.21	18.34	1.10	18.70

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	17.73	17.61	17.64	0.00	18.50	19.11	18.98	19.04	0.00	19.80
		1	12	17.76	17.67	17.71	0.00	18.50	19.12	19.06	19.11	0.00	19.80
		1	24	17.73	17.64	17.71	0.00	18.50	19.09	19.03	19.12	0.00	19.80
		12	0	17.74	17.55	17.61	0.00	18.50	19.11	18.93	19.00	0.00	19.80
		12	7	17.80	17.62	17.68	0.00	18.50	19.15	19.00	19.10	0.00	19.80
		12	13	17.81	17.63	17.67	0.00	18.50	19.17	19.01	19.10	0.00	19.80
		25	0	17.77	17.59	17.63	0.00	18.50	19.12	18.95	19.04	0.00	19.80
	16QAM	1	0	17.65	17.49	17.52	0.00	18.50	19.06	18.88	19.00	0.00	19.80
		1	12	17.67	17.56	17.60	0.00	18.50	19.09	18.95	18.99	0.00	19.80
		1	24	17.63	17.55	17.68	0.00	18.50	19.07	18.95	19.03	0.00	19.80
		12	0	17.61	17.41	17.47	0.00	18.50	19.18	18.97	19.04	0.00	19.80
		12	7	17.66	17.46	17.51	0.00	18.50	19.25	19.02	19.10	0.00	19.80
		12	13	17.70	17.48	17.54	0.00	18.50	19.25	19.05	19.11	0.00	19.80
		25	0	17.53	17.33	17.41	0.00	18.50	19.11	18.87	18.98	0.00	19.80
	64QAM	1	0	17.56	17.55	17.60	0.00	18.50	19.13	19.16	19.27	0.00	19.80
		1	12	17.55	17.63	17.63	0.00	18.50	19.14	19.21	19.39	0.00	19.80
		1	24	17.58	17.63	17.71	0.00	18.50	19.15	19.23	19.35	0.00	19.80
		12	0	17.62	17.57	17.63	0.00	18.50	19.19	18.94	18.94	0.10	19.70
		12	7	17.68	17.70	17.69	0.00	18.50	19.20	19.01	19.00	0.10	19.70
		12	13	17.67	17.71	17.71	0.00	18.50	19.20	19.04	19.01	0.10	19.70
		25	0	17.61	17.56	17.61	0.00	18.50	19.17	18.94	19.00	0.10	19.70
	256QAM	1	0	17.65	17.43	17.56	0.00	18.50	17.98	17.91	18.09	1.10	18.70
		1	12	17.61	17.48	17.61	0.00	18.50	17.98	18.04	18.26	1.10	18.70
		1	24	17.66	17.55	17.60	0.00	18.50	17.96	18.00	18.27	1.10	18.70
		12	0	17.74	17.53	17.60	0.00	18.50	18.14	17.90	18.00	1.10	18.70
		12	7	17.82	17.63	17.69	0.00	18.50	18.21	17.97	18.11	1.10	18.70
		12	13	17.82	17.62	17.66	0.00	18.50	18.20	17.98	18.13	1.10	18.70
		25	0	17.84	17.61	17.70	0.00	18.50	18.22	17.96	18.03	1.10	18.70

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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
				26055.00	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	17.47	17.30	17.30	0.00	18.50	19.02	18.88	18.92	0.00	19.80
		1	8	17.42	17.28	17.33	0.00	18.50	18.96	18.85	18.94	0.00	19.80
		1	14	17.56	17.45	17.51	0.00	18.50	19.11	19.03	19.11	0.00	19.80
		8	0	17.55	17.34	17.41	0.00	18.50	19.11	18.91	18.98	0.00	19.80
		8	4	17.57	17.38	17.53	0.00	18.50	19.14	18.97	19.10	0.00	19.80
		8	7	17.62	17.43	17.56	0.00	18.50	19.18	19.01	19.15	0.00	19.80
		15	0	17.61	17.44	17.44	0.00	18.50	19.17	19.02	19.03	0.00	19.80
	16QAM	1	0	17.61	17.43	17.50	0.00	18.50	19.19	18.98	19.01	0.00	19.80
		1	8	17.56	17.43	17.48	0.00	18.50	19.17	19.01	19.06	0.00	19.80
		1	14	17.63	17.53	17.60	0.00	18.50	19.07	18.86	19.01	0.00	19.80
		8	0	17.57	17.38	17.42	0.00	18.50	19.16	18.94	19.00	0.00	19.80
		8	4	17.63	17.44	17.57	0.00	18.50	19.04	19.01	19.13	0.00	19.80
		8	7	17.67	17.44	17.59	0.00	18.50	19.06	19.02	19.16	0.00	19.80
		15	0	17.59	17.40	17.45	0.00	18.50	19.17	18.93	19.00	0.00	19.80
	64QAM	1	0	17.81	17.45	17.66	0.00	18.50	19.15	19.13	18.98	0.00	19.80
		1	8	17.78	17.55	17.82	0.00	18.50	19.15	19.23	19.11	0.00	19.80
		1	14	17.89	17.66	17.92	0.00	18.50	19.25	19.34	19.24	0.00	19.80
		8	0	17.68	17.28	17.51	0.00	18.50	19.04	19.02	19.04	0.10	19.70
		8	4	17.70	17.36	17.64	0.00	18.50	19.06	19.04	19.14	0.10	19.70
		8	7	17.76	17.39	17.67	0.00	18.50	19.09	19.05	19.17	0.10	19.70
		15	0	17.64	17.40	17.49	0.00	18.50	18.98	18.97	19.09	0.10	19.70
	256QAM	1	0	18.07	17.23	17.80	0.00	18.50	18.41	18.38	17.77	1.10	18.70
		1	8	18.05	17.46	17.93	0.00	18.50	18.48	18.50	17.79	1.10	18.70
		1	14	18.10	17.40	18.10	0.00	18.50	18.50	18.50	17.96	1.10	18.70
		8	0	17.63	17.49	17.48	0.00	18.50	18.24	18.02	17.96	1.10	18.70
		8	4	17.72	17.50	17.65	0.00	18.50	18.26	18.05	18.08	1.10	18.70
		8	7	17.75	17.55	17.68	0.00	18.50	18.33	18.10	18.13	1.10	18.70
		15	0	17.68	17.44	17.50	0.00	18.50	18.22	18.02	18.14	1.10	18.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26047.00	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	17.62	17.38	17.48	0.00	18.50	18.94	18.80	18.96	0.00	19.80
		1	3	17.69	17.49	17.58	0.00	18.50	19.02	18.87	19.02	0.00	19.80
		1	5	17.72	17.54	17.59	0.00	18.50	19.02	18.93	19.08	0.00	19.80
		3	0	17.56	17.41	17.48	0.00	18.50	18.92	18.80	18.95	0.00	19.80
		3	1	17.63	17.47	17.56	0.00	18.50	19.00	18.90	19.02	0.00	19.80
		3	3	17.67	17.48	17.58	0.00	18.50	19.04	18.91	19.07	0.00	19.80
		6	0	17.70	17.49	17.63	0.00	18.50	19.07	18.89	19.02	0.00	19.80
	16QAM	1	0	17.65	17.46	17.59	0.00	18.50	18.88	19.00	19.08	0.00	19.80
		1	3	17.75	17.58	17.64	0.00	18.50	19.01	19.00	19.28	0.00	19.80
		1	5	17.77	17.59	17.65	0.00	18.50	18.92	18.81	19.16	0.00	19.80
		3	0	17.65	17.46	17.58	0.00	18.50	19.02	18.83	19.04	0.00	19.80
		3	1	17.76	17.55	17.66	0.00	18.50	19.15	18.96	19.09	0.00	19.80
		3	3	17.75	17.59	17.71	0.00	18.50	19.12	18.94	19.06	0.00	19.80
		6	0	17.69	17.46	17.61	0.00	18.50	19.07	18.83	19.00	0.00	19.80
	64QAM	1	0	17.74	17.37	17.64	0.00	18.50	19.28	19.12	18.86	0.00	19.80
		1	3	17.80	17.40	17.72	0.00	18.50	19.35	19.25	18.91	0.00	19.80
		1	5	17.80	17.48	17.77	0.00	18.50	19.31	19.28	18.91	0.00	19.80
		3	0	17.72	17.59	17.59	0.00	18.50	19.23	19.01	18.96	0.00	19.80
		3	1	17.76	17.65	17.63	0.00	18.50	19.21	19.05	18.97	0.00	19.80
		3	3	17.74	17.66	17.64	0.00	18.50	19.29	19.14	19.06	0.00	19.80
		6	0	17.86	17.83	17.70	0.00	18.50	19.11	18.93	19.36	0.10	19.70
	256QAM	1	0	17.65	17.01	17.57	0.00	18.50	18.16	18.00	18.00	1.10	18.70
		1	3	17.75	17.41	17.64	0.00	18.50	18.33	18.11	17.90	1.10	18.70
		1	5	17.73	17.57	17.62	0.00	18.50	18.19	18.12	17.89	1.10	18.70
		3	0	17.77	17.37	17.66	0.00	18.50	18.08	17.94	17.87	1.10	18.70
		3	1	17.83	17.44	17.73	0.00	18.50	18.13	17.95	17.97	1.10	18.70
		3	3	17.86	17.47	17.76	0.00	18.50	18.13	17.95	17.98	1.10	18.70
		6	0	17.79	17.57	17.66	0.00	18.50	17.99	17.87	18.11	1.10	18.70

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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	24.73	24.84	24.76	0.00	25.70	24.51	24.56	24.63	0.00	25.20
		1	25	24.85	24.86	24.81	0.00	25.70	24.53	24.65	24.63	0.00	25.20
		1	49	24.85	24.78	24.81	0.00	25.70	24.48	24.51	24.59	0.00	25.20
		25	0	24.64	24.62	24.62	1.00	24.70	24.06	24.15	24.13	0.50	24.70
		25	12	24.70	24.69	24.65	1.00	24.70	24.12	24.21	24.21	0.50	24.70
		25	25	24.64	24.58	24.61	1.00	24.70	24.07	24.15	24.15	0.50	24.70
		50	0	24.68	24.65	24.54	1.00	24.70	24.12	24.19	24.11	0.50	24.70
	16QAM	1	0	24.63	24.61	24.61	1.00	24.70	24.11	24.11	24.59	0.50	24.70
		1	25	24.66	24.60	24.64	1.00	24.70	24.09	24.15	24.55	0.50	24.70
		1	49	24.64	24.66	24.58	1.00	24.70	24.09	24.07	24.53	0.50	24.70
		25	0	23.58	23.55	23.50	2.00	23.70	23.17	23.17	23.20	1.50	23.70
		25	12	23.66	23.63	23.62	2.00	23.70	23.25	23.23	23.21	1.50	23.70
		25	25	23.58	23.57	23.52	2.00	23.70	23.18	23.18	23.19	1.50	23.70
		50	0	23.57	23.55	23.47	2.00	23.70	23.15	23.16	23.15	1.50	23.70
	64QAM	1	0	23.58	23.54	23.50	2.00	23.70	23.40	23.14	23.03	1.50	23.70
		1	25	23.56	23.55	23.53	2.00	23.70	23.41	23.13	23.04	1.50	23.70
		1	49	23.48	23.48	23.47	2.00	23.70	23.34	23.13	23.02	1.50	23.70
		25	0	22.52	22.48	22.46	3.00	22.70	22.27	22.33	22.25	2.50	22.70
		25	12	22.58	22.57	22.55	3.00	22.70	22.30	22.32	22.23	2.50	22.70
		25	25	22.52	22.49	22.47	3.00	22.70	22.30	22.32	22.24	2.50	22.70
		50	0	22.51	22.45	22.38	3.00	22.70	22.17	22.32	22.24	2.50	22.70
	256QAM	1	0	20.39	20.43	20.44	5.00	20.70	20.18	20.51	19.84	4.50	20.70
		1	25	20.47	20.53	20.47	5.00	20.70	20.27	20.65	19.97	4.50	20.70
		1	49	20.45	20.52	20.45	5.00	20.70	20.18	20.60	19.92	4.50	20.70
		25	0	20.51	20.54	20.48	5.00	20.70	20.30	20.17	20.16	4.50	20.70
		25	12	20.59	20.59	20.59	5.00	20.70	20.28	20.25	20.26	4.50	20.70
		25	25	20.47	20.50	20.47	5.00	20.70	20.27	20.23	20.18	4.50	20.70
		50	0	20.51	20.52	20.42	5.00	20.70	20.22	20.24	20.18	4.50	20.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26715.00	26865.00	27015.00	MPR	Tune-up Limit	26715.00	26865.00	27015.00	MPR	Tune-up Limit
				816.5 MHz	831.5 MHz	846.5 MHz			816.5 MHz	831.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	25.11	24.99	25.05	0.00	25.70	24.67	24.70	24.59	0.00	25.20
		1	12	24.96	24.93	25.04	0.00	25.70	24.55	24.68	24.62	0.00	25.20
		1	24	24.86	24.89	24.92	0.00	25.70	24.47	24.66	24.59	0.00	25.20
		12	0	24.68	24.62	24.59	1.00	24.70	24.04	24.13	24.11	0.50	24.70
		12	7	24.62	24.61	24.67	1.00	24.70	24.12	24.20	24.21	0.50	24.70
		12	13	24.65	24.64	24.56	1.00	24.70	24.02	24.14	24.14	0.50	24.70
		25	0	24.67	24.65	24.53	1.00	24.70	24.07	24.17	24.06	0.50	24.70
	16QAM	1	0	24.55	24.47	24.52	1.00	24.70	24.25	24.30	24.69	0.50	24.70
		1	12	24.57	24.63	24.48	1.00	24.70	24.25	24.28	24.70	0.50	24.70
		1	24	24.46	24.50	24.48	1.00	24.70	24.14	24.27	24.64	0.50	24.70
		12	0	23.45	23.40	23.40	2.00	23.70	23.12	23.21	23.30	1.50	23.70
		12	7	23.53	23.46	23.47	2.00	23.70	23.21	23.26	23.35	1.50	23.70
		12	13	23.46	23.44	23.39	2.00	23.70	23.13	23.20	23.30	1.50	23.70
		25	0	23.37	23.32	23.31	2.00	23.70	23.05	23.19	23.16	1.50	23.70
	64QAM	1	0	23.66	23.51	23.46	2.00	23.70	23.40	23.18	23.19	1.50	23.70
		1	12	23.68	23.57	23.55	2.00	23.70	23.47	23.19	23.20	1.50	23.70
		1	24	23.57	23.53	23.47	2.00	23.70	23.41	23.21	23.17	1.50	23.70
		12	0	22.61	22.58	22.54	3.00	22.70	22.24	22.40	22.38	2.50	22.70
		12	7	22.65	22.65	22.61	3.00	22.70	22.27	22.41	22.39	2.50	22.70
		12	13	22.58	22.58	22.54	3.00	22.70	22.21	22.39	22.39	2.50	22.70
		25	0	22.66	22.69	22.56	3.00	22.70	22.10	22.42	22.38	2.50	22.70
	256QAM	1	0	20.61	20.51	20.47	5.00	20.70	20.19	19.98	20.23	4.50	20.70
		1	12	20.70	20.56	20.53	5.00	20.70	20.23	20.02	20.33	4.50	20.70
		1	24	20.59	20.46	20.39	5.00	20.70	20.12	19.92	20.19	4.50	20.70
		12	0	20.48	20.48	20.45	5.00	20.70	20.15	20.12	20.13	4.50	20.70
		12	7	20.58	20.57	20.52	5.00	20.70	20.23	20.18	20.21	4.50	20.70
		12	13	20.49	20.50	20.45	5.00	20.70	20.19	20.14	20.14	4.50	20.70
		25	0	20.51	20.57	20.43	5.00	20.70	20.14	20.23	20.13	4.50	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	24.94	24.87	24.88	0.00	25.70	24.48	24.58	24.65	0.00	25.20
		1	8	24.85	24.76	24.76	0.00	25.70	24.37	24.50	24.54	0.00	25.20
		1	14	24.83	24.86	24.76	0.00	25.70	24.40	24.59	24.61	0.00	25.20
		8	0	24.48	24.35	24.39	1.00	24.70	24.02	24.11	24.19	0.50	24.70
		8	4	24.46	24.41	24.34	1.00	24.70	24.03	24.17	24.12	0.50	24.70
		8	7	24.47	24.41	24.38	1.00	24.70	24.06	24.20	24.18	0.50	24.70
		15	0	24.45	24.39	24.40	1.00	24.70	24.08	24.19	24.13	0.50	24.70
	16QAM	1	0	24.51	24.48	24.47	1.00	24.70	24.19	24.08	24.65	0.50	24.70
		1	8	24.45	24.42	24.37	1.00	24.70	24.09	24.05	24.57	0.50	24.70
		1	14	24.36	24.40	24.36	1.00	24.70	24.08	24.04	24.57	0.50	24.70
		8	0	23.53	23.44	23.49	2.00	23.70	23.06	23.25	23.27	1.50	23.70
		8	4	23.57	23.51	23.50	2.00	23.70	23.16	23.28	23.29	1.50	23.70
		8	7	23.52	23.50	23.48	2.00	23.70	23.11	23.29	23.25	1.50	23.70
		15	0	23.49	23.47	23.42	2.00	23.70	23.08	23.22	23.24	1.50	23.70
	64QAM	1	0	23.62	23.60	23.65	2.00	23.70	23.53	23.16	22.96	1.50	23.70
		1	8	23.69	23.67	23.55	2.00	23.70	23.50	23.17	22.97	1.50	23.70
		1	14	23.55	23.61	23.55	2.00	23.70	23.41	23.16	22.94	1.50	23.70
		8	0	22.68	22.58	22.60	3.00	22.70	22.22	22.36	22.14	2.50	22.70
		8	4	22.70	22.64	22.63	3.00	22.70	22.21	22.35	22.15	2.50	22.70
		8	7	22.62	22.66	22.60	3.00	22.70	22.22	22.35	22.15	2.50	22.70
		15	0	22.68	22.70	22.66	3.00	22.70	22.32	22.35	22.15	2.50	22.70
	256QAM	1	0	20.59	20.59	20.61	5.00	20.70	20.17	20.64	19.92	4.50	20.70
		1	8	20.69	20.70	20.68	5.00	20.70	20.23	20.67	19.84	4.50	20.70
		1	14	20.54	20.58	20.51	5.00	20.70	20.04	20.62	19.85	4.50	20.70
		8	0	20.57	20.49	20.52	5.00	20.70	20.36	20.23	20.02	4.50	20.70
		8	4	20.56	20.52	20.50	5.00	20.70	20.30	20.33	20.14	4.50	20.70
		8	7	20.50	20.55	20.48	5.00	20.70	20.35	20.29	20.10	4.50	20.70
		15	0	20.50	20.47	20.45	5.00	20.70	20.29	20.27	20.25	4.50	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	24.85	24.89	24.78	0.00	25.70	24.44	24.61	24.55	0.00	25.20
		1	3	24.93	24.93	24.79	0.00	25.70	24.46	24.71	24.56	0.00	25.20
		1	5	24.84	24.84	24.75	0.00	25.70	24.43	24.55	24.50	0.00	25.20
		3	0	24.57	24.60	24.45	1.00	24.70	24.37	24.53	24.52	0.50	24.70
		3	1	24.62	24.66	24.55	1.00	24.70	24.45	24.59	24.56	0.50	24.70
		3	3	24.62	24.66	24.55	1.00	24.70	24.42	24.57	24.58	0.50	24.70
		6	0	24.64	24.59	24.55	1.00	24.70	24.03	24.12	24.04	0.50	24.70
	16QAM	1	0	24.40	24.68	24.58	1.00	24.70	24.05	24.21	24.54	0.50	24.70
		1	3	24.46	24.66	24.66	1.00	24.70	24.13	24.17	24.67	0.50	24.70
		1	5	24.38	24.68	24.55	1.00	24.70	24.07	24.19	24.45	0.50	24.70
		3	0	23.55	23.52	23.69	2.00	23.70	23.63	23.58	23.70	1.50	23.70
		3	1	23.58	23.55	23.60	2.00	23.70	23.64	23.61	23.64	1.50	23.70
		3	3	23.64	23.53	23.55	2.00	23.70	23.61	23.60	23.61	1.50	23.70
		6	0	23.56	23.51	23.48	2.00	23.70	23.24	23.29	23.04	1.50	23.70
	64QAM	1	0	23.63	23.62	23.66	2.00	23.70	23.47	23.58	22.78	1.50	23.70
		1	3	23.69	23.70	23.67	2.00	23.70	23.49	23.57	22.78	1.50	23.70
		1	5	23.62	23.68	23.63	2.00	23.70	23.43	23.56	22.77	1.50	23.70
		3	0	22.54	22.66	22.39	3.00	22.70	22.20	22.66	22.66	2.50	22.70
		3	1	22.60	22.63	22.33	3.00	22.70	22.24	22.65	22.60	2.50	22.70
		3	3	22.59	22.64	22.37	3.00	22.70	22.21	22.65	22.66	2.50	22.70
		6	0	22.55	22.58	22.64	3.00	22.70	22.21	22.55	22.27	2.50	22.70
	256QAM	1	0	19.88	20.69	20.57	5.00	20.70	20.11	20.16	19.76	4.50	20.70
		1	3	20.46	20.66	20.62	5.00	20.70	20.16	20.34	19.88	4.50	20.70
		1	5	20.41	20.51	20.53	5.00	20.70	20.06	20.17	19.88	4.50	20.70
		3	0	20.56	20.67	20.62	5.00	20.70	20.22	20.08	19.90	4.50	20.70
		3	1	20.58	20.70	20.65	5.00	20.70	20.22	20.13	20.01	4.50	20.70
		3	3	20.56	20.66	20.70	5.00	20.70	20.20	20.16	19.99	4.50	20.70
		6	0	20.70	20.60	20.62	5.00	20.70	20.16	20.06	20.15	4.50	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)				
				26740.00	26865.00	26990.00	MPR	Tune-up Limit	26740.00	26865.00	26990.00	MPR	Tune-up Limit
				819 MHz	831.5 MHz	844 MHz			819 MHz	831.5 MHz	844 MHz		
10 MHz	QPSK	1	0	24.36	24.42	24.41	0.00	24.70	24.55	24.42	24.52	0.00	24.70
		1	25	24.36	24.46	24.46	0.00	24.70	24.46	24.36	24.46	0.00	24.70
		1	49	24.30	24.40	24.41	0.00	24.70	24.47	24.40	24.41	0.00	24.70
		25	0	23.49	23.48	23.46	1.00	23.70	23.57	23.48	23.54	1.00	23.70
		25	12	23.50	23.52	23.51	1.00	23.70	23.63	23.50	23.53	1.00	23.70
		25	25	23.48	23.47	23.51	1.00	23.70	23.52	23.47	23.51	1.00	23.70
		50	0	23.59	23.51	23.51	1.00	23.70	23.59	23.51	23.51	1.00	23.70
	16QAM	1	0	23.53	23.58	23.57	1.00	23.70	23.53	23.58	23.57	1.00	23.70
		1	25	23.46	23.45	23.54	1.00	23.70	23.46	23.45	23.54	1.00	23.70
		1	49	23.48	23.62	23.44	1.00	23.70	23.48	23.62	23.44	1.00	23.70
		25	0	22.57	22.52	22.66	2.00	22.70	22.57	22.52	22.66	2.00	22.70
		25	12	22.62	22.64	22.64	2.00	22.70	22.62	22.64	22.64	2.00	22.70
		25	25	22.55	22.55	22.62	2.00	22.70	22.55	22.55	22.62	2.00	22.70
		50	0	22.54	22.53	22.58	2.00	22.70	22.54	22.53	22.58	2.00	22.70
	64QAM	1	0	22.66	22.61	22.64	2.00	22.70	22.66	22.61	22.64	2.00	22.70
		1	25	22.68	22.61	22.70	2.00	22.70	22.68	22.61	22.70	2.00	22.70
		1	49	22.67	22.69	22.70	2.00	22.70	22.67	22.69	22.70	2.00	22.70
		25	0	21.58	21.54	21.61	3.00	21.70	21.58	21.54	21.61	3.00	21.70
		25	12	21.67	21.64	21.64	3.00	21.70	21.67	21.64	21.64	3.00	21.70
		25	25	21.58	21.53	21.61	3.00	21.70	21.58	21.53	21.61	3.00	21.70
		50	0	21.61	21.57	21.53	3.00	21.70	21.61	21.57	21.53	3.00	21.70
	256QAM	1	0	19.65	19.60	19.49	5.00	19.70	19.65	19.60	19.49	5.00	19.70
		1	25	19.70	19.70	19.64	5.00	19.70	19.70	19.70	19.64	5.00	19.70
		1	49	19.60	19.70	19.54	5.00	19.70	19.60	19.70	19.54	5.00	19.70
		25	0	19.61	19.54	19.63	5.00	19.70	19.61	19.54	19.63	5.00	19.70
		25	12	19.68	19.63	19.62	5.00	19.70	19.68	19.63	19.62	5.00	19.70
		25	25	19.60	19.54	19.62	5.00	19.70	19.60	19.54	19.62	5.00	19.70
		50	0	19.67	19.61	19.55	5.00	19.70	19.67	19.61	19.55	5.00	19.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				26715.00	26865.00	27015.00	MPR	Tune-up Limit	26715.00	26865.00	27015.00	MPR	Tune-up Limit
				816.5 MHz	831.5 MHz	846.5 MHz			816.5 MHz	831.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	24.00	24.14	24.14	0.00	24.70	24.00	24.14	24.14	0.00	24.70
		1	12	23.94	24.06	24.10	0.00	24.70	23.94	24.06	24.10	0.00	24.70
		1	24	23.81	24.01	24.04	0.00	24.70	23.81	24.01	24.04	0.00	24.70
		12	0	23.11	23.15	23.16	1.00	23.70	23.11	23.15	23.16	1.00	23.70
		12	7	23.20	23.17	23.15	1.00	23.70	23.20	23.17	23.15	1.00	23.70
		12	13	23.13	23.13	23.19	1.00	23.70	23.13	23.13	23.19	1.00	23.70
		25	0	23.18	23.19	23.11	1.00	23.70	23.18	23.19	23.11	1.00	23.70
	16QAM	1	0	23.08	22.74	22.77	1.00	23.70	23.08	22.74	22.77	1.00	23.70
		1	12	23.05	22.76	22.78	1.00	23.70	23.05	22.76	22.78	1.00	23.70
		1	24	23.02	22.72	22.71	1.00	23.70	23.02	22.72	22.71	1.00	23.70
		12	0	22.11	22.04	22.04	2.00	22.70	22.11	22.04	22.04	2.00	22.70
		12	7	22.18	22.11	22.13	2.00	22.70	22.18	22.11	22.13	2.00	22.70
		12	13	22.11	22.06	22.07	2.00	22.70	22.11	22.06	22.07	2.00	22.70
		25	0	22.06	21.97	21.91	2.00	22.70	22.06	21.97	21.91	2.00	22.70
	64QAM	1	0	22.15	22.13	22.15	2.00	22.70	22.15	22.13	22.15	2.00	22.70
		1	12	22.19	22.17	22.19	2.00	22.70	22.19	22.17	22.19	2.00	22.70
		1	24	22.16	22.19	22.11	2.00	22.70	22.16	22.19	22.11	2.00	22.70
		12	0	21.07	21.07	21.09	3.00	21.70	21.07	21.07	21.09	3.00	21.70
		12	7	21.10	21.15	21.13	3.00	21.70	21.10	21.15	21.13	3.00	21.70
		12	13	21.03	21.06	21.05	3.00	21.70	21.03	21.06	21.05	3.00	21.70
		25	0	21.01	21.03	20.98	3.00	21.70	21.01	21.03	20.98	3.00	21.70
	256QAM	1	0	19.34	19.19	18.87	5.00	19.70	19.34	19.19	18.87	5.00	19.70
		1	12	19.51	19.26	19.02	5.00	19.70	19.51	19.26	19.02	5.00	19.70
		1	24	19.39	19.13	18.87	5.00	19.70	19.39	19.13	18.87	5.00	19.70
		12	0	19.23	19.16	19.11	5.00	19.70	19.23	19.16	19.11	5.00	19.70
		12	7	19.32	19.18	19.18	5.00	19.70	19.32	19.18	19.18	5.00	19.70
		12	13	19.24	19.16	19.11	5.00	19.70	19.24	19.16	19.11	5.00	19.70
		25	0	19.28	19.21	19.12	5.00	19.70	19.28	19.21	19.12	5.00	19.70

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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
				26705.00	26865.00	27025.00			26705.00	26865.00	27025.00		
				815.5 MHz	831.5 MHz	847.5 MHz			815.5 MHz	831.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	24.04	24.04	24.09	0.00	24.70	24.04	24.04	24.09	0.00	24.70
		1	8	23.92	23.89	23.91	0.00	24.70	23.92	23.89	23.91	0.00	24.70
		1	14	23.93	23.99	23.99	0.00	24.70	23.93	23.99	23.99	0.00	24.70
		8	0	23.15	23.09	23.16	1.00	23.70	23.15	23.09	23.16	1.00	23.70
		8	4	23.20	23.14	23.14	1.00	23.70	23.20	23.14	23.14	1.00	23.70
		8	7	23.20	23.17	23.14	1.00	23.70	23.20	23.17	23.14	1.00	23.70
		15	0	23.18	23.16	23.15	1.00	23.70	23.18	23.16	23.15	1.00	23.70
	16QAM	1	0	23.13	23.20	23.19	1.00	23.70	23.13	23.20	23.19	1.00	23.70
		1	8	23.06	23.12	23.20	1.00	23.70	23.06	23.12	23.20	1.00	23.70
		1	14	23.10	23.15	23.17	1.00	23.70	23.10	23.15	23.17	1.00	23.70
		8	0	21.86	21.85	21.95	2.00	22.70	21.86	21.85	21.95	2.00	22.70
		8	4	21.97	21.96	21.96	2.00	22.70	21.97	21.96	21.96	2.00	22.70
		8	7	21.95	21.94	21.96	2.00	22.70	21.95	21.94	21.96	2.00	22.70
		15	0	21.88	21.87	21.88	2.00	22.70	21.88	21.87	21.88	2.00	22.70
	64QAM	1	0	22.14	22.14	22.18	2.00	22.70	22.14	22.14	22.18	2.00	22.70
		1	8	22.10	22.09	22.13	2.00	22.70	22.10	22.09	22.13	2.00	22.70
		1	14	22.08	22.10	22.10	2.00	22.70	22.08	22.10	22.10	2.00	22.70
		8	0	21.03	21.01	21.10	3.00	21.70	21.03	21.01	21.10	3.00	21.70
		8	4	21.11	21.14	21.11	3.00	21.70	21.11	21.14	21.11	3.00	21.70
		8	7	21.11	21.11	21.10	3.00	21.70	21.11	21.11	21.10	3.00	21.70
		15	0	21.14	21.19	21.20	3.00	21.70	21.14	21.19	21.20	3.00	21.70
	256QAM	1	0	19.13	19.68	19.01	5.00	19.70	19.13	19.68	19.01	5.00	19.70
		1	8	19.27	19.70	18.87	5.00	19.70	19.27	19.70	18.87	5.00	19.70
		1	14	19.09	19.67	18.83	5.00	19.70	19.09	19.67	18.83	5.00	19.70
		8	0	19.40	19.27	19.11	5.00	19.70	19.40	19.27	19.11	5.00	19.70
		8	4	19.35	19.29	19.11	5.00	19.70	19.35	19.29	19.11	5.00	19.70
		8	7	19.33	19.29	19.09	5.00	19.70	19.33	19.29	19.09	5.00	19.70
		15	0	19.30	19.27	19.23	5.00	19.70	19.30	19.27	19.23	5.00	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				26697.00	26865.00	27033.00			26697.00	26865.00	27033.00		
				814.7 MHz	831.5 MHz	848.3 MHz			814.7 MHz	831.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	23.98	24.01	23.98	0.00	24.70	23.98	24.01	23.98	0.00	24.70
		1	3	24.00	24.01	23.97	0.00	24.70	24.00	24.01	23.97	0.00	24.70
		1	5	23.94	23.96	23.93	0.00	24.70	23.94	23.96	23.93	0.00	24.70
		3	0	23.92	23.97	23.87	0.00	24.70	23.92	23.97	23.87	0.00	24.70
		3	1	23.93	24.02	23.96	0.00	24.70	23.93	24.02	23.96	0.00	24.70
		3	3	23.96	24.04	23.96	0.00	24.70	23.96	24.04	23.96	0.00	24.70
		6	0	23.14	23.13	23.14	1.00	23.70	23.14	23.13	23.14	1.00	23.70
	16QAM	1	0	23.14	23.14	23.07	1.00	23.70	23.14	23.14	23.07	1.00	23.70
		1	3	23.16	23.13	23.14	1.00	23.70	23.16	23.13	23.14	1.00	23.70
		1	5	23.09	23.12	23.07	1.00	23.70	23.09	23.12	23.07	1.00	23.70
		3	0	23.01	23.02	23.00	1.00	23.70	23.01	23.02	23.00	1.00	23.70
		3	1	23.15	23.11	23.07	1.00	23.70	23.15	23.11	23.07	1.00	23.70
		3	3	23.12	23.06	23.06	1.00	23.70	23.12	23.06	23.06	1.00	23.70
		6	0	22.06	21.73	22.02	2.00	22.70	22.06	21.73	22.02	2.00	22.70
	64QAM	1	0	22.19	22.12	21.95	2.00	22.70	22.19	22.12	21.95	2.00	22.70
		1	3	22.17	22.18	21.87	2.00	22.70	22.17	22.18	21.87	2.00	22.70
		1	5	22.16	22.11	21.77	2.00	22.70	22.16	22.11	21.77	2.00	22.70
		3	0	22.10	22.09	22.15	2.00	22.70	22.10	22.09	22.15	2.00	22.70
		3	1	22.12	22.10	22.16	2.00	22.70	22.12	22.10	22.16	2.00	22.70
		3	3	22.08	22.07	22.17	2.00	22.70	22.08	22.07	22.17	2.00	22.70
		6	0	21.17	21.15	21.16	3.00	21.70	21.17	21.15	21.16	3.00	21.70
	256QAM	1	0	19.10	19.22	18.85	5.00	19.70	19.10	19.22	18.85	5.00	19.70
		1	3	19.25	19.38	18.92	5.00	19.70	19.25	19.38	18.92	5.00	19.70
		1	5	19.13	19.22	18.87	5.00	19.70	19.13	19.22	18.87	5.00	19.70
		3	0	19.31	19.20	18.94	5.00	19.70	19.31	19.20	18.94	5.00	19.70
		3	1	19.34	19.13	18.98	5.00	19.70	19.34	19.13	18.98	5.00	19.70
		3	3	19.33	19.11	18.99	5.00	19.70	19.33	19.11	18.99	5.00	19.70
		6	0	19.26	19.01	19.11	5.00	19.70	19.26	19.01	19.11	5.00	19.70

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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	24.75	0.00	25.50	20.00	0.00	20.20
		1	25	24.80	0.00	25.50	20.14	0.00	20.20
		1	49	24.73	0.00	25.50	20.12	0.00	20.20
		25	0	24.13	1.00	24.50	20.15	0.00	20.20
		25	12	24.19	1.00	24.50	20.20	0.00	20.20
		25	25	24.18	1.00	24.50	20.20	0.00	20.20
		50	0	24.14	1.00	24.50	20.20	0.00	20.20
	16QAM	1	0	24.11	1.00	24.50	20.08	0.00	20.20
		1	25	24.09	1.00	24.50	20.05	0.00	20.20
		1	49	24.17	1.00	24.50	20.01	0.00	20.20
		25	0	23.16	2.00	23.50	20.05	0.00	20.20
		25	12	23.12	2.00	23.50	20.11	0.00	20.20
		25	25	23.18	2.00	23.50	20.14	0.00	20.20
		50	0	23.16	2.00	23.50	20.06	0.00	20.20
	64QAM	1	0	23.16	2.00	23.50	19.94	0.00	20.20
		1	25	23.14	2.00	23.50	19.97	0.00	20.20
		1	49	23.19	2.00	23.50	20.07	0.00	20.20
		25	0	22.11	3.00	22.50	19.89	0.00	20.20
		25	12	22.19	3.00	22.50	19.94	0.00	20.20
		25	25	22.20	3.00	22.50	19.99	0.00	20.20
		50	0	22.17	3.00	22.50	19.87	0.00	20.20
	256QAM	1	0	20.08	5.00	20.50	19.72	0.30	19.90
		1	25	20.05	5.00	20.50	19.69	0.30	19.90
		1	49	20.13	5.00	20.50	19.77	0.30	19.90
		25	0	20.11	5.00	20.50	19.78	0.30	19.90
		25	12	20.17	5.00	20.50	19.83	0.30	19.90
		25	25	20.15	5.00	20.50	19.84	0.30	19.90
		50	0	20.10	5.00	20.50	19.79	0.30	19.90

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	24.73	0.00	25.50	20.10	0.00	20.20
		1	12	24.72	0.00	25.50	20.11	0.00	20.20
		1	24	24.80	0.00	25.50	20.20	0.00	20.20
		12	0	24.12	1.00	24.50	20.10	0.00	20.20
		12	7	24.20	1.00	24.50	20.18	0.00	20.20
		12	13	24.19	1.00	24.50	20.18	0.00	20.20
		25	0	24.16	1.00	24.50	20.16	0.00	20.20
	16QAM	1	0	24.19	1.00	24.50	20.04	0.00	20.20
		1	12	24.15	1.00	24.50	20.07	0.00	20.20
		1	24	24.01	1.00	24.50	20.18	0.00	20.20
		12	0	23.06	2.00	23.50	20.01	0.00	20.20
		12	7	23.09	2.00	23.50	20.05	0.00	20.20
		12	13	23.10	2.00	23.50	20.08	0.00	20.20
		25	0	23.15	2.00	23.50	20.00	0.00	20.20
	64QAM	1	0	23.17	2.00	23.50	20.11	0.00	20.20
		1	12	23.14	2.00	23.50	20.13	0.00	20.20
		1	24	23.15	2.00	23.50	20.20	0.00	20.20
		12	0	22.06	3.00	22.50	20.01	0.00	20.20
		12	7	22.10	3.00	22.50	20.04	0.00	20.20
		12	13	22.10	3.00	22.50	20.05	0.00	20.20
		25	0	22.19	3.00	22.50	19.98	0.00	20.20
	256QAM	1	0	20.13	5.00	20.50	19.54	0.30	19.90
		1	12	20.15	5.00	20.50	19.72	0.30	19.90
		1	24	20.18	5.00	20.50	19.73	0.30	19.90
		12	0	20.15	5.00	20.50	19.62	0.30	19.90
		12	7	20.18	5.00	20.50	19.70	0.30	19.90
		12	13	20.19	5.00	20.50	19.68	0.30	19.90
		25	0	20.18	5.00	20.50	19.71	0.30	19.90

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LTE Band 30 Measured Results (ANT2)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm) 27710.00 2310 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 27710.00 2310 MHz	MPR	Tune-up Limit
10 MHz	QPSK	1	0	18.24	0.00	19.00	19.70	0.00	20.30
		1	25	18.40	0.00	19.00	19.91	0.00	20.30
		1	49	18.32	0.00	19.00	19.62	0.00	20.30
		25	0	18.41	0.00	19.00	19.78	0.00	20.30
		25	12	18.46	0.00	19.00	19.80	0.00	20.30
		25	25	18.40	0.00	19.00	19.80	0.00	20.30
		50	0	18.46	0.00	19.00	19.80	0.00	20.30
	16QAM	1	0	18.37	0.00	19.00	19.82	0.00	20.30
		1	25	18.28	0.00	19.00	19.67	0.00	20.30
		1	49	18.40	0.00	19.00	19.77	0.00	20.30
		25	0	18.52	0.00	19.00	19.80	0.00	20.30
		25	12	18.59	0.00	19.00	19.84	0.00	20.30
		25	25	18.63	0.00	19.00	19.80	0.00	20.30
		50	0	18.54	0.00	19.00	19.79	0.00	20.30
	64QAM	1	0	18.64	0.00	19.00	19.72	0.00	20.30
		1	25	18.57	0.00	19.00	19.55	0.00	20.30
		1	49	18.64	0.00	19.00	19.52	0.00	20.30
		25	0	18.49	0.00	19.00	19.84	0.10	20.20
		25	12	18.54	0.00	19.00	19.89	0.10	20.20
		25	25	18.57	0.00	19.00	19.91	0.10	20.20
		50	0	18.48	0.00	19.00	19.86	0.10	20.20
	256QAM	1	0	17.77	0.80	18.20	17.30	2.10	18.20
		1	25	17.78	0.80	18.20	17.40	2.10	18.20
		1	49	17.85	0.80	18.20	17.38	2.10	18.20
		25	0	17.90	0.80	18.20	17.30	2.10	18.20
		25	12	17.96	0.80	18.20	17.34	2.10	18.20
		25	25	17.99	0.80	18.20	17.32	2.10	18.20
		50	0	17.91	0.80	18.20	17.35	2.10	18.20

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm) 27710.00 2310 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 27710.00 2310 MHz	MPR	Tune-up Limit
5 MHz	QPSK	1	0	18.34	0.00	19.00	19.77	0.00	20.30
		1	12	18.41	0.00	19.00	19.72	0.00	20.30
		1	24	18.46	0.00	19.00	19.72	0.00	20.30
		12	0	18.41	0.00	19.00	19.74	0.00	20.30
		12	7	18.47	0.00	19.00	19.78	0.00	20.30
		12	13	18.46	0.00	19.00	19.75	0.00	20.30
		25	0	18.43	0.00	19.00	19.73	0.00	20.30
	16QAM	1	0	18.41	0.00	19.00	19.83	0.00	20.30
		1	12	18.56	0.00	19.00	19.82	0.00	20.30
		1	24	18.60	0.00	19.00	19.84	0.00	20.30
		12	0	18.51	0.00	19.00	19.84	0.00	20.30
		12	7	18.55	0.00	19.00	19.85	0.00	20.30
		12	13	18.56	0.00	19.00	19.84	0.00	20.30
		25	0	18.43	0.00	19.00	19.75	0.00	20.30
	64QAM	1	0	18.57	0.00	19.00	19.77	0.00	20.30
		1	12	18.59	0.00	19.00	19.72	0.00	20.30
		1	24	18.70	0.00	19.00	19.77	0.00	20.30
		12	0	18.46	0.00	19.00	19.81	0.10	20.20
		12	7	18.49	0.00	19.00	19.83	0.10	20.20
		12	13	18.51	0.00	19.00	19.81	0.10	20.20
		25	0	18.43	0.00	19.00	19.79	0.10	20.20
	256QAM	1	0	17.72	0.80	18.20	17.42	2.10	18.20
		1	12	17.79	0.80	18.20	17.45	2.10	18.20
		1	24	17.82	0.80	18.20	17.39	2.10	18.20
		12	0	17.75	0.80	18.20	17.35	2.10	18.20
		12	7	17.81	0.80	18.20	17.36	2.10	18.20
		12	13	17.80	0.80	18.20	17.35	2.10	18.20
		25	0	17.81	0.80	18.20	17.30	2.10	18.20

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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	MPR	Tune-up Limit	27710	MPR	Tune-up Limit
				2310 MHz			2310 MHz		
10 MHz	QPSK	1	0	21.83	0.00	22.30	18.02	0.00	18.50
		1	25	21.84	0.00	22.30	18.10	0.00	18.50
		1	49	21.81	0.00	22.30	18.07	0.00	18.50
		25	0	21.80	0.00	22.30	18.12	0.00	18.50
		25	12	21.84	0.00	22.30	18.13	0.00	18.50
		25	25	21.81	0.00	22.30	18.03	0.00	18.50
		50	0	21.80	0.00	22.30	18.12	0.00	18.50
	16QAM	1	0	21.65	0.00	22.30	18.10	0.00	18.50
		1	25	21.58	0.00	22.30	18.07	0.00	18.50
		1	49	21.56	0.00	22.30	18.08	0.00	18.50
		25	0	21.71	0.00	22.30	17.99	0.00	18.50
		25	12	21.75	0.00	22.30	18.04	0.00	18.50
		25	25	21.75	0.00	22.30	18.00	0.00	18.50
		50	0	21.67	0.00	22.30	18.03	0.00	18.50
	64QAM	1	0	21.85	0.00	22.30	18.13	0.00	18.50
		1	25	21.81	0.00	22.30	18.13	0.00	18.50
		1	49	21.70	0.00	22.30	18.14	0.00	18.50
		25	0	21.61	0.00	22.30	18.12	0.00	18.50
		25	12	21.67	0.00	22.30	18.13	0.00	18.50
		25	25	21.68	0.00	22.30	18.13	0.00	18.50
		50	0	21.60	0.00	22.30	18.04	0.00	18.50
	256QAM	1	0	19.86	2.30	20.00	17.92	0.00	18.50
		1	25	19.88	2.30	20.00	17.91	0.00	18.50
		1	49	19.82	2.30	20.00	17.92	0.00	18.50
		25	0	19.93	2.30	20.00	18.04	0.00	18.50
		25	12	19.96	2.30	20.00	18.07	0.00	18.50
		25	25	19.96	2.30	20.00	18.08	0.00	18.50
		50	0	19.91	2.30	20.00	18.01	0.00	18.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
				27710.00	MPR	Tune-up Limit	27710.00	MPR	Tune-up Limit
				2310 MHz			2310 MHz		
5 MHz	QPSK	1	0	21.70	0.00	22.30	17.92	0.00	18.50
		1	12	21.77	0.00	22.30	17.91	0.00	18.50
		1	24	21.75	0.00	22.30	17.98	0.00	18.50
		12	0	21.71	0.00	22.30	17.91	0.00	18.50
		12	7	21.79	0.00	22.30	17.96	0.00	18.50
		12	13	21.77	0.00	22.30	17.96	0.00	18.50
		25	0	21.73	0.00	22.30	17.93	0.00	18.50
	16QAM	1	0	21.80	0.00	22.30	17.97	0.00	18.50
		1	12	21.83	0.00	22.30	18.07	0.00	18.50
		1	24	21.81	0.00	22.30	18.04	0.00	18.50
		12	0	21.78	0.00	22.30	17.98	0.00	18.50
		12	7	21.79	0.00	22.30	18.07	0.00	18.50
		12	13	21.81	0.00	22.30	18.04	0.00	18.50
		25	0	21.76	0.00	22.30	17.99	0.00	18.50
	64QAM	1	0	21.69	0.00	22.30	17.90	0.00	18.50
		1	12	21.75	0.00	22.30	17.95	0.00	18.50
		1	24	21.69	0.00	22.30	17.97	0.00	18.50
		12	0	21.67	0.00	22.30	18.03	0.00	18.50
		12	7	21.72	0.00	22.30	18.08	0.00	18.50
		12	13	21.74	0.00	22.30	18.03	0.00	18.50
		25	0	21.69	0.00	22.30	17.99	0.00	18.50
	256QAM	1	0	19.49	2.30	20.00	17.93	0.00	18.50
		1	12	19.54	2.30	20.00	17.96	0.00	18.50
		1	24	19.46	2.30	20.00	17.99	0.00	18.50
		12	0	19.66	2.30	20.00	17.96	0.00	18.50
		12	7	19.74	2.30	20.00	18.04	0.00	18.50
		12	13	19.70	2.30	20.00	18.04	0.00	18.50
		25	0	19.76	2.30	20.00	18.05	0.00	18.50

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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	17.84	0.00	18.50	18.93	0.00	19.50
		1	25	17.86	0.00	18.50	18.95	0.00	19.50
		1	49	17.77	0.00	18.50	18.90	0.00	19.50
		25	0	17.95	0.00	18.50	19.06	0.00	19.50
		25	12	18.00	0.00	18.50	19.10	0.00	19.50
		25	25	17.90	0.00	18.50	19.10	0.00	19.50
		50	0	17.99	0.00	18.50	19.07	0.00	19.50
	16QAM	1	0	17.79	0.00	18.50	18.79	0.00	19.50
		1	25	17.67	0.00	18.50	18.69	0.00	19.50
		1	49	17.75	0.00	18.50	18.76	0.00	19.50
		25	0	17.87	0.00	18.50	18.91	0.00	19.50
		25	12	17.92	0.00	18.50	18.97	0.00	19.50
		25	25	17.94	0.00	18.50	18.97	0.00	19.50
		50	0	17.85	0.00	18.50	18.89	0.00	19.50
	64QAM	1	0	17.98	0.00	18.50	19.08	0.00	19.50
		1	25	17.95	0.00	18.50	19.04	0.00	19.50
		1	49	17.81	0.00	18.50	18.90	0.00	19.50
		25	0	17.85	0.00	18.50	18.93	0.00	19.50
		25	12	17.89	0.00	18.50	18.98	0.00	19.50
		25	25	17.91	0.00	18.50	19.00	0.00	19.50
		50	0	17.81	0.00	18.50	18.89	0.00	19.50
	256QAM	1	0	17.64	0.30	18.20	17.92	1.30	18.20
		1	25	17.61	0.30	18.20	17.84	1.30	18.20
		1	49	17.57	0.30	18.20	17.81	1.30	18.20
		25	0	17.91	0.30	18.20	17.90	1.30	18.20
		25	12	17.94	0.30	18.20	17.83	1.30	18.20
		25	25	17.92	0.30	18.20	17.80	1.30	18.20
		50	0	17.83	0.30	18.20	17.83	1.30	18.20

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	17.69	0.00	18.50	18.79	0.00	19.50
		1	12	17.76	0.00	18.50	18.89	0.00	19.50
		1	24	17.75	0.00	18.50	18.87	0.00	19.50
		12	0	17.74	0.00	18.50	18.85	0.00	19.50
		12	7	17.81	0.00	18.50	18.91	0.00	19.50
		12	13	17.78	0.00	18.50	18.90	0.00	19.50
		25	0	17.79	0.00	18.50	18.86	0.00	19.50
	16QAM	1	0	17.78	0.00	18.50	18.89	0.00	19.50
		1	12	17.91	0.00	18.50	18.98	0.00	19.50
		1	24	17.89	0.00	18.50	18.97	0.00	19.50
		12	0	17.87	0.00	18.50	18.92	0.00	19.50
		12	7	17.90	0.00	18.50	18.97	0.00	19.50
		12	13	17.89	0.00	18.50	18.96	0.00	19.50
		25	0	17.78	0.00	18.50	18.84	0.00	19.50
	64QAM	1	0	17.94	0.00	18.50	19.01	0.00	19.50
		1	12	17.99	0.00	18.50	19.09	0.00	19.50
		1	24	18.01	0.00	18.50	19.13	0.00	19.50
		12	0	17.83	0.00	18.50	18.94	0.00	19.50
		12	7	17.85	0.00	18.50	18.95	0.00	19.50
		12	13	17.85	0.00	18.50	18.93	0.00	19.50
		25	0	17.76	0.00	18.50	18.86	0.00	19.50
	256QAM	1	0	17.75	0.30	18.20	17.86	1.30	18.20
		1	12	17.78	0.30	18.20	17.82	1.30	18.20
		1	24	17.78	0.30	18.20	17.80	1.30	18.20
		12	0	17.87	0.30	18.20	17.87	1.30	18.20
		12	7	17.92	0.30	18.20	17.94	1.30	18.20
		12	13	17.89	0.30	18.20	17.96	1.30	18.20
		25	0	17.91	0.30	18.20	17.85	1.30	18.20

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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	25.51	24.95	25.61	24.95	25.60	0.00	25.70	23.40	23.43	23.49	23.28	23.11	0.00	24.00
		1	49	25.59	24.96	25.61	24.96	25.44	0.00	25.70	23.49	23.52	23.53	23.30	23.16	0.00	24.00
		1	99	25.52	25.00	25.49	25.04	25.48	0.00	25.70	23.44	23.50	23.50	23.25	23.12	0.00	24.00
		50	0	24.62	24.55	24.68	24.40	24.69	1.00	24.70	23.58	23.62	23.64	23.32	23.21	0.00	24.00
		50	24	24.69	24.64	24.70	24.47	24.66	1.00	24.70	23.65	23.72	23.72	23.39	23.23	0.00	24.00
		50	50	24.61	24.63	24.68	24.55	24.63	1.00	24.70	23.59	23.68	23.62	23.22	23.23	0.00	24.00
		100	0	24.67	24.63	24.64	24.45	24.64	1.00	24.70	23.65	23.67	23.70	23.39	23.20	0.00	24.00
	16QAM	1	0	24.12	23.73	23.75	23.82	23.91	1.00	24.70	23.61	23.65	23.82	23.58	23.45	0.00	24.00
		1	49	24.15	23.76	23.73	23.75	23.90	1.00	24.70	23.63	23.69	23.69	23.46	23.29	0.00	24.00
		1	99	24.02	23.77	23.74	23.91	23.88	1.00	24.70	23.57	23.69	23.67	23.51	23.27	0.00	24.00
		50	0	23.08	22.88	22.77	22.72	22.95	2.00	23.70	23.60	23.63	23.67	23.44	23.27	0.30	23.70
		50	24	23.19	22.90	22.78	22.83	22.95	2.00	23.70	23.67	23.61	23.63	23.39	23.24	0.30	23.70
		50	50	23.15	22.88	22.78	22.85	22.98	2.00	23.70	23.62	23.61	23.67	23.46	23.28	0.30	23.70
		100	0	23.12	22.88	22.81	22.79	22.91	2.00	23.70	23.60	23.65	23.67	23.32	23.18	0.30	23.70
	64QAM	1	0	23.48	23.19	23.34	23.03	23.09	2.00	23.70	23.47	23.52	23.65	23.42	23.27	0.30	23.70
		1	49	23.59	23.42	23.21	23.28	23.02	2.00	23.70	23.57	23.63	23.65	23.34	23.29	0.30	23.70
		1	99	23.32	23.36	23.14	22.92	22.96	2.00	23.70	23.49	23.66	23.59	23.40	23.25	0.30	23.70
		50	0	22.11	22.41	22.20	21.86	21.85	3.00	22.70	22.55	22.60	22.64	22.63	22.52	1.30	22.70
		50	24	22.18	22.43	22.23	21.97	21.79	3.00	22.70	22.61	22.67	22.67	22.62	22.46	1.30	22.70
		50	50	22.16	22.44	22.13	22.12	21.82	3.00	22.70	22.57	22.67	22.62	22.65	22.47	1.30	22.70
		100	0	22.18	22.46	22.18	21.94	21.80	3.00	22.70	22.62	22.65	22.68	22.62	22.47	1.30	22.70
	256QAM	1	0	20.67	20.39	20.40	20.49	20.56	5.00	20.70	20.62	20.65	20.40	20.25	20.67	3.30	20.70
		1	49	20.66	20.41	20.31	20.44	20.52	5.00	20.70	20.64	20.61	20.31	20.25	20.61	3.30	20.70
		1	99	20.67	20.51	20.32	20.65	20.54	5.00	20.70	20.67	20.70	20.32	20.39	20.59	3.30	20.70
		50	0	20.44	20.50	20.32	20.28	20.54	5.00	20.70	20.62	20.50	20.33	20.26	20.53	3.30	20.70
		50	24	20.52	20.52	20.40	20.36	20.52	5.00	20.70	20.63	20.51	20.38	20.37	20.53	3.30	20.70
		50	50	20.51	20.50	20.35	20.39	20.55	5.00	20.70	20.66	20.48	20.36	20.36	20.59	3.30	20.70
		100	0	20.49	20.51	20.38	20.35	20.48	5.00	20.70	20.68	20.50	20.38	20.34	20.52	3.30	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	25.03	24.78	24.72	24.74	24.90	0.00	25.70	23.47	23.51	23.61	23.35	23.23	0.00	24.00
		1	37	25.02	24.73	24.74	24.75	24.85	0.00	25.70	23.45	23.53	23.55	23.29	23.10	0.00	24.00
		1	74	24.96	24.84	24.75	24.79	24.91	0.00	25.70	23.39	23.63	23.56	23.36	23.14	0.00	24.00
		36	0	24.05	23.90	23.82	23.77	23.95	1.00	24.70	23.63	23.60	23.63	23.40	23.24	0.00	24.00
		36	20	24.14	23.88	23.78	23.76	23.94	1.00	24.70	23.65	23.67	23.69	23.42	23.19	0.00	24.00
		36	39	24.12	23.90	23.75	23.76	24.01	1.00	24.70	23.62	23.67	23.65	23.42	23.23	0.00	24.00
		75	0	24.11	23.88	23.78	23.75	23.93	1.00	24.70	23.61	23.64	23.68	23.33	23.18	0.00	24.00
	16QAM	1	0	24.06	23.75	23.73	23.86	23.87	1.00	24.70	23.52	23.60	23.72	23.32	23.32	0.00	24.00
		1	37	24.07	23.74	23.78	23.89	23.85	1.00	24.70	23.57	23.59	23.74	23.34	23.32	0.00	24.00
		1	74	23.95	23.84	23.70	23.83	23.92	1.00	24.70	23.47	23.74	23.57	23.40	23.17	0.00	24.00
		36	0	23.09	22.90	22.79	22.78	22.92	2.00	23.70	23.64	23.59	23.65	23.37	23.24	0.30	23.70
		36	20	23.14	22.89	22.78	22.78	22.92	2.00	23.70	23.62	23.69	23.68	23.45	23.22	0.30	23.70
		36	39	23.13	22.87	22.73	22.80	22.95	2.00	23.70	23.60	23.65	23.66	23.43	23.23	0.30	23.70
		75	0	23.12	22.87	22.80	22.75	22.90	2.00	23.70	23.59	23.64	23.66	23.34	23.18	0.30	23.70
	64QAM	1	0	23.35	22.73	23.69	23.70	23.48	2.00	23.70	23.39	23.44	23.37	23.19	23.02	0.30	23.70
		1	37	23.35	23.20	23.64	23.63	23.39	2.00	23.70	23.40	23.42	23.45	23.06	23.07	0.30	23.70
		1	74	23.43	23.23	23.66	23.62	23.40	2.00	23.70	23.29	23.59	23.42	23.15	23.06	0.30	23.70
		36	0	22.67	22.02	22.20	22.60	22.27	3.00	22.70	22.62	22.58	22.62	22.63	22.41	1.30	22.70
		36	20	22.62	22.14	22.23	22.65	22.22	3.00	22.70	22.62	22.67	22.67	22.67	22.39	1.30	22.70
		36	39	22.62	22.17	22.21	22.70	22.26	3.00	22.70	22.58	22.64	22.63	22.64	22.43	1.30	22.70
		75	0	22.62	22.15	22.21	22.68	22.25	3.00	22.70	22.63	22.61	22.70	22.53	22.42	1.30	22.70
	256QAM	1	0	20.67	20.42	19.98	20.17	20.52	5.00	20.70	20.61	20.34	20.24	20.25	20.56	3.30	20.70
		1	37	20.69	20.42	19.97	20.25	20.52	5.00	20.70	20.61	20.45	20.22	20.27	20.55	3.30	20.70
		1	74	20.70	20.57	20.03	20.48	20.63	5.00	20.70	20.70	20.55	20.30	20.45	20.63	3.30	20.70
		36	0	20.58	20.51	20.39	20.23	20.53	5.00	20.70	20.64	20.46	20.41	20.27	20.49	3.30	20.70
		36	20	20.67	20.50	20.38	20.32	20.52	5.00	20.70	20.70	20.44	20.38	20.33	20.47	3.30	20.70
		36	39	20.66	20.49	20.33	20.31	20.56	5.00	20.70	20.65	20.43	20.33	20.36	20.50	3.30	20.70
		75	0	20.69	20.48	20.33	20.34	20.53	5.00	20.70	20.69	20.48	20.34	20.33	20.50	3.30	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	25.08	24.82	24.73	24.76	24.95	0.00	25.70	23.45	23.49	23.55	23.30	23.16	0.00	24.00
		1	25	25.09	24.81	24.76	24.73	24.96	0.00	25.70	23.48	23.57	23.55	23.32	23.18	0.00	24.00
		1	49	25.07	24.85	24.78	24.72	24.92	0.00	25.70	23.45	23.56	23.51	23.26	23.13	0.00	24.00
		25	0	24.15	23.94	23.85	23.70	23.97	1.00	24.70	23.60	23.60	23.68	23.35	23.24	0.00	24.00
		25	12	24.20	23.95	23.83	23.81	23.98	1.00	24.70	23.65	23.69	23.70	23.47	23.32	0.00	24.00
		25	25	24.15	23.96	23.81	23.81	24.01	1.00	24.70	23.60	23.69	23.66	23.44	23.28	0.00	24.00
		50	0	24.14	23.95	23.84	23.78	23.95	1.00	24.70	23.61	23.69	23.66	23.34	23.21	0.00	24.00
	16QAM	1	0	24.20	23.79	23.85	23.80	23.93	1.00	24.70	23.62	23.68	23.76	23.46	23.39	0.00	24.00
		1	25	24.17	23.81	23.77	23.82	23.91	1.00	24.70	23.61	23.64	23.70	23.45	23.32	0.00	24.00
		1	49	24.18	23.87	23.79	23.92	23.92	1.00	24.70	23.67	23.76	23.69	23.47	23.32	0.00	24.00
		25	0	23.18	22.93	22.85	22.73	22.97	2.00	23.70	23.63	23.60	23.63	23.39	23.26	0.30	23.70
		25	12	23.22	22.96	22.85	22.84	22.97	2.00	23.70	23.65	23.68	23.53	23.48	23.34	0.30	23.70
		25	25	23.18	22.92	22.82	22.85	23.02	2.00	23.70	23.62	23.68	23.70	23.45	23.28	0.30	23.70
		50	0	23.21	22.92	22.86	22.85	22.95	2.00	23.70	23.64	23.70	23.62	23.37	23.25	0.30	23.70
	64QAM	1	0	23.30	23.33	23.01	23.53	23.28	2.00	23.70	23.67	23.67	23.69	23.43	23.38	0.30	23.70
		1	25	23.36	23.59	23.03	23.57	23.43	2.00	23.70	23.68	23.65	23.64	23.47	23.38	0.30	23.70
		1	49	23.57	23.69	23.01	23.70	23.23	2.00	23.70	23.69	23.70	23.67	23.49	23.32	0.30	23.70
		25	0	22.12	22.05	22.28	22.69	21.76	3.00	22.70	22.55	22.53	22.65	22.52	22.40	1.30	22.70
		25	12	22.14	22.19	22.28	22.61	21.86	3.00	22.70	22.58	22.63	22.66	22.61	22.47	1.30	22.70
		25	25	22.09	22.16	22.23	22.67	21.82	3.00	22.70	22.54	22.64	22.62	22.58	22.42	1.30	22.70
		50	0	22.10	22.12	22.17	22.56	21.73	3.00	22.70	22.62	22.67	22.69	22.54	22.41	1.30	22.70
	256QAM	1	0	20.50	20.52	20.08	20.24	20.62	5.00	20.70	20.53	20.37	20.34	20.36	20.51	3.30	20.70
		1	25	20.64	20.61	20.12	20.34	20.70	5.00	20.70	20.63	20.46	20.37	20.47	20.63	3.30	20.70
		1	49	20.57	20.63	20.12	20.34	20.70	5.00	20.70	20.63	20.46	20.38	20.49	20.52	3.30	20.70
		25	0	20.63	20.51	20.46	20.28	20.55	5.00	20.70	20.50	20.50	20.45	20.28	20.51	3.30	20.70
		25	12	20.64	20.54	20.46	20.37	20.57	5.00	20.70	20.55	20.55	20.48	20.38	20.55	3.30	20.70
		25	25	20.65	20.50	20.42	20.37	20.62	5.00	20.70	20.52	20.51	20.44	20.41	20.60	3.30	20.70
		50	0	20.62	20.57	20.34	20.38	20.59	5.00	20.70	20.57	20.52	20.36	20.42	20.53	3.30	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	25.07	24.78	24.77	24.87	24.85	0.00	25.70	23.46	23.44	23.28	23.34	23.25	0.00	24.00
		1	12	25.11	24.81	24.73	24.71	24.92	0.00	25.70	23.48	23.49	23.30	23.30	23.19	0.00	24.00
		1	24	25.15	24.79	24.76	24.77	24.85	0.00	25.70	23.41	23.52	23.23	23.31	23.19	0.00	24.00
		12	0	24.15	23.89	23.80	23.75	23.92	1.00	24.70	23.60	23.62	23.35	23.42	23.28	0.00	24.00
		12	7	24.19	23.96	23.82	23.79	24.03	1.00	24.70	23.64	23.68	23.36	23.42	23.32	0.00	24.00
		12	13	24.13	23.91	23.81	23.75	23.99	1.00	24.70	23.61	23.64	23.35	23.41	23.26	0.00	24.00
		25	0	24.12	23.90	23.78	23.72	23.88	1.00	24.70	23.58	23.63	23.31	23.38	23.26	0.00	24.00
	16QAM	1	0	24.16	23.74	23.77	23.74	23.82	1.00	24.70	23.44	23.47	23.33	23.44	23.31	0.00	24.00
		1	12	24.11	23.94	23.77	23.97	24.06	1.00	24.70	23.71	23.68	23.52	23.47	23.47	0.00	24.00
		1	24	23.98	23.78	23.88	23.85	23.88	1.00	24.70	23.48	23.49	23.37	23.45	23.31	0.00	24.00
		12	0	23.12	22.91	22.80	22.83	22.95	2.00	23.70	23.58	23.62	23.39	23.46	23.33	0.30	23.70
		12	7	23.15	22.97	22.85	22.84	23.06	2.00	23.70	23.63	23.66	23.39	23.48	23.34	0.30	23.70
		12	13	23.20	22.92	22.78	22.81	23.00	2.00	23.70	23.58	23.67	23.36	23.47	23.32	0.30	23.70
		25	0	23.13	22.91	22.82	22.76	22.92	2.00	23.70	23.59	23.63	23.32	23.38	23.27	0.30	23.70
	64QAM	1	0	23.38	23.09	23.64	23.09	22.85	2.00	23.70	23.64	23.64	23.41	23.52	23.39	0.30	23.70
		1	12	23.50	23.30	23.64	23.11	22.83	2.00	23.70	23.67	23.69	23.43	23.50	23.35	0.30	23.70
		1	24	23.48	23.17	23.64	23.17	22.75	2.00	23.70	23.69	23.70	23.39	23.49	23.33	0.30	23.70
		12	0	22.13	22.18	22.64	21.76	21.85	3.00	22.70	22.61	22.63	22.61	22.52	22.41	1.30	22.70
		12	7	22.17	22.16	22.64	22.60	21.79	3.00	22.70	22.64	22.70	22.67	22.60	22.45	1.30	22.70
		12	13	22.14	22.17	22.64	22.67	21.80	3.00	22.70	22.59	22.64	22.65	22.54	22.40	1.30	22.70
		25	0	22.03	22.24	22.64	22.56	21.84	3.00	22.70	22.66	22.68	22.43	22.47	22.37	1.30	22.70
	256QAM	1	0	20.67	20.60	20.35	20.34	20.58	5.00	20.70	20.65	20.49	20.31	20.32	20.48	3.30	20.70
		1	12	20.63	20.67	20.43	20.49	20.69	5.00	20.70	20.70	20.51	20.56	20.33	20.63	3.30	20.70
		1	24	20.55	20.66	20.40	20.41	20.62	5.00	20.70	20.70	20.52	20.45	20.34	20.60	3.30	20.70
		12	0	20.50	20.45	20.38	20.28	20.46	5.00	20.70	20.69	20.45	20.36	20.31	20.47	3.30	20.70
		12	7	20.70	20.52	20.46	20.36	20.60	5.00	20.70	20.58	20.48	20.40	20.39	20.58	3.30	20.70
		12	13	20.68	20.53	20.39	20.32	20.53	5.00	20.70	20.62	20.50	20.36	20.33	20.57	3.30	20.70
		25	0	20.70	20.48	20.33	20.29	20.47	5.00	20.70	20.69	20.49	20.36	20.30	20.49	3.30	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	19.78	19.83	19.88	19.92	19.91	0.00	20.50	19.78	19.83	19.88	19.92	19.91	0.00	20.50
		1	49	19.85	19.85	19.93	19.93	19.93	0.00	20.50	19.85	19.85	19.93	19.93	19.93	0.00	20.50
		1	99	19.84	19.77	19.87	19.88	19.92	0.00	20.50	19.84	19.77	19.87	19.88	19.92	0.00	20.50
		50	0	19.94	19.96	19.99	19.95	19.92	0.00	20.50	19.94	19.96	19.99	19.95	19.92	0.00	20.50
		50	24	19.96	19.96	20.00	20.00	19.95	0.00	20.50	19.96	19.96	20.00	20.00	19.95	0.00	20.50
		50	50	19.94	19.91	19.94	19.95	19.95	0.00	20.50	19.94	19.91	19.94	19.95	19.95	0.00	20.50
		100	0	19.94	19.94	19.95	19.89	19.91	0.00	20.50	19.94	19.94	19.95	19.89	19.91	0.00	20.50
	16QAM	1	0	19.95	19.90	19.86	20.00	19.85	0.00	20.50	19.95	19.90	19.86	20.00	19.85	0.00	20.50
		1	49	19.95	19.81	19.84	19.97	19.80	0.00	20.50	19.95	19.81	19.84	19.97	19.80	0.00	20.50
		1	99	19.98	19.77	20.00	19.93	19.85	0.00	20.50	19.98	19.77	20.00	19.93	19.85	0.00	20.50
		50	0	19.97	19.95	19.94	19.94	19.89	0.00	20.50	19.97	19.95	19.94	19.94	19.89	0.00	20.50
		50	24	19.99	19.95	20.00	19.95	19.88	0.00	20.50	19.99	19.95	20.00	19.95	19.88	0.00	20.50
		50	50	19.99	19.91	20.00	19.99	19.94	0.00	20.50	19.99	19.91	20.00	19.99	19.94	0.00	20.50
		100	0	19.93	19.94	19.99	19.96	19.88	0.00	20.50	19.93	19.94	19.99	19.96	19.88	0.00	20.50
	64QAM	1	0	19.91	19.95	19.80	19.95	19.77	0.00	20.50	19.91	19.95	19.80	19.95	19.77	0.00	20.50
		1	49	19.93	19.89	19.78	19.94	19.79	0.00	20.50	19.93	19.89	19.78	19.94	19.79	0.00	20.50
		1	99	19.94	19.85	19.94	19.97	19.96	0.00	20.50	19.94	19.85	19.94	19.97	19.96	0.00	20.50
		50	0	19.99	20.00	19.93	20.00	19.96	0.00	20.50	19.99	20.00	19.93	20.00	19.96	0.00	20.50
		50	24	19.72	19.98	19.97	20.00	19.94	0.00	20.50	19.72	19.98	19.97	20.00	19.94	0.00	20.50
		50	50	20.00	19.94	19.98	19.94	20.00	0.00	20.50	20.00	19.94	19.98	19.94	20.00	0.00	20.50
		100	0	19.98	20.00	19.95	20.00	19.94	0.00	20.50	19.98	20.00	19.95	20.00	19.94	0.00	20.50
	256QAM	1	0	19.28	19.54	19.29	19.45	19.24	0.50	20.00	19.28	19.54	19.29	19.45	19.24	0.50	20.00
		1	49	19.24	19.43	19.27	19.36	19.23	0.50	20.00	19.24	19.43	19.27	19.36	19.23	0.50	20.00
		1	99	19.31	19.49	19.44	19.43	19.32	0.50	20.00	19.31	19.49	19.44	19.43	19.32	0.50	20.00
		50	0	19.28	19.30	19.32	19.40	19.25	0.50	20.00	19.28	19.30	19.32	19.40	19.25	0.50	20.00
		50	24	19.30	19.27	19.35	19.47	19.25	0.50	20.00	19.30	19.27	19.35	19.47	19.25	0.50	20.00
		50	50	19.30	19.25	19.38	19.43	19.30	0.50	20.00	19.30	19.25	19.38	19.43	19.30	0.50	20.00
		100	0	19.30	19.24	19.37	19.40	19.22	0.50	20.00	19.30	19.24	19.37	19.40	19.22	0.50	20.00

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	19.79	19.85	19.81	19.98	19.85	0.00	20.50	19.79	19.85	19.81	19.98	19.85	0.00	20.50
		1	37	19.78	19.74	19.82	19.93	19.76	0.00	20.50	19.78	19.74	19.82	19.93	19.76	0.00	20.50
		1	74	19.81	19.84	19.98	19.96	19.86	0.00	20.50	19.81	19.84	19.98	19.96	19.86	0.00	20.50
		36	0	19.92	19.99	19.97	20.00	19.88	0.00	20.50	19.92	19.99	19.97	20.00	19.88	0.00	20.50
		36	20	19.94	19.96	19.89	19.97	19.86	0.00	20.50	19.94	19.96	19.89	19.97	19.86	0.00	20.50
		36	39	19.95	19.92	19.90	19.96	19.94	0.00	20.50	19.95	19.92	19.90	19.96	19.94	0.00	20.50
		75	0	19.93	19.95	20.00	19.97	19.85	0.00	20.50	19.93	19.95	20.00	19.97	19.85	0.00	20.50
	16QAM	1	0	19.86	19.87	19.85	19.89	19.80	0.00	20.50	19.86	19.87	19.85	19.89	19.80	0.00	20.50
		1	37	19.97	19.81	19.87	19.95	19.77	0.00	20.50	19.97	19.81	19.87	19.95	19.77	0.00	20.50
		1	74	19.87	19.87	20.00	19.99	19.86	0.00	20.50	19.87	19.87	20.00	19.99	19.86	0.00	20.50
		36	0	19.98	19.95	19.99	19.98	19.85	0.00	20.50	19.98	19.95	19.99	19.98	19.85	0.00	20.50
		36	20	19.97	19.94	20.00	19.98	19.83	0.00	20.50	19.97	19.94	20.00	19.98	19.83	0.00	20.50
		36	39	19.98	19.91	19.99	19.93	19.90	0.00	20.50	19.98	19.91	19.99	19.93	19.90	0.00	20.50
		75	0	19.94	19.94	20.00	19.98	19.83	0.00	20.50	19.94	19.94	20.00	19.98	19.83	0.00	20.50
	64QAM	1	0	19.93	19.50	19.50	19.61	19.87	0.00	20.50	19.93	19.50	19.50	19.61	19.87	0.00	20.50
		1	37	19.99	19.50	19.50	19.53	19.97	0.00	20.50	19.99	19.50	19.50	19.53	19.97	0.00	20.50
		1	74	19.98	19.50	19.63	19.59	19.97	0.00	20.50	19.98	19.50	19.63	19.59	19.97	0.00	20.50
		36	0	19.97	19.95	19.94	20.00	19.97	0.00	20.50	19.97	19.95	19.94	20.00	19.97	0.00	20.50
		36	20	19.94	19.90	19.95	19.98	19.95	0.00	20.50	19.94	19.90	19.95	19.98	19.95	0.00	20.50
		36	39	19.95	19.89	19.95	19.94	19.83	0.00	20.50	19.95	19.89	19.95	19.94	19.83	0.00	20.50
		75	0	19.90	19.94	20.00	20.00	19.88	0.00	20.50	19.90	19.94	20.00	20.00	19.88	0.00	20.50
	256QAM	1	0	19.87	19.31	19.29	19.48	19.00	0.50	20.00	19.87	19.31	19.29	19.48	19.00	0.50	20.00
		1	37	19.82	19.21	19.30	19.36	19.12	0.50	20.00	19.82	19.21	19.30	19.36	19.12	0.50	20.00
		1	74	19.06	19.30	19.48	19.47	19.02	0.50	20.00	19.06	19.30	19.48	19.47	19.02	0.50	20.00
		36	0	19.32	19.30	19.32	19.48	19.23	0.50	20.00	19.32	19.30	19.32	19.48	19.23	0.50	20.00
		36	20	19.32	19.31	19.35	19.45	19.21	0.50	20.00	19.32	19.31	19.35	19.45	19.21	0.50	20.00
		36	39	19.30	19.25	19.36	19.40	19.27	0.50	20.00	19.30	19.25	19.36	19.40	19.27	0.50	20.00
		75	0	19.27	19.27	19.34	19.43	19.15	0.50	20.00	19.27	19.27	19.34	19.43	19.15	0.50	20.00

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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)						
				39750.00	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	19.65	19.68	19.70	19.63	19.66	0.00	20.50	19.65	19.68	19.70	19.63	19.66	0.00	20.50
		1	25	19.64	19.64	19.73	19.60	19.65	0.00	20.50	19.64	19.64	19.73	19.60	19.65	0.00	20.50
		1	49	19.71	19.67	19.77	19.61	19.70	0.00	20.50	19.71	19.67	19.77	19.61	19.70	0.00	20.50
		25	0	19.82	19.82	19.86	19.77	19.77	0.00	20.50	19.82	19.82	19.86	19.77	19.77	0.00	20.50
		25	12	19.83	19.85	19.90	19.79	19.78	0.00	20.50	19.83	19.85	19.90	19.79	19.78	0.00	20.50
		25	25	19.85	19.82	19.91	19.77	19.84	0.00	20.50	19.85	19.82	19.91	19.77	19.84	0.00	20.50
		50	0	19.81	19.81	19.88	19.77	19.76	0.00	20.50	19.81	19.81	19.88	19.77	19.76	0.00	20.50
	16QAM	1	0	19.89	19.91	19.92	19.88	19.89	0.00	20.50	19.89	19.91	19.92	19.88	19.89	0.00	20.50
		1	25	19.86	19.89	19.94	19.83	19.87	0.00	20.50	19.86	19.89	19.94	19.83	19.87	0.00	20.50
		1	49	19.96	19.90	19.83	19.84	19.92	0.00	20.50	19.96	19.90	19.83	19.84	19.92	0.00	20.50
		25	0	20.00	19.82	19.85	19.97	19.93	0.00	20.50	20.00	19.82	19.85	19.97	19.93	0.00	20.50
		25	12	19.81	19.82	19.86	19.96	19.91	0.00	20.50	19.81	19.82	19.86	19.96	19.91	0.00	20.50
		25	25	19.81	19.81	19.86	19.95	19.99	0.00	20.50	19.81	19.81	19.86	19.95	19.99	0.00	20.50
		50	0	19.99	19.99	19.83	19.94	19.92	0.00	20.50	19.99	19.99	19.83	19.94	19.92	0.00	20.50
	64QAM	1	0	19.59	19.58	19.58	20.00	19.51	0.00	20.50	19.59	19.58	19.58	20.00	19.51	0.00	20.50
		1	25	19.60	19.55	19.62	20.00	19.58	0.00	20.50	19.60	19.55	19.62	20.00	19.58	0.00	20.50
		1	49	19.64	19.56	19.68	19.85	19.63	0.00	20.50	19.64	19.56	19.68	19.85	19.63	0.00	20.50
		25	0	19.87	19.86	19.88	19.97	19.97	0.00	20.50	19.87	19.86	19.88	19.97	19.97	0.00	20.50
		25	12	19.91	19.86	19.90	19.88	20.00	0.00	20.50	19.91	19.86	19.90	19.88	20.00	0.00	20.50
		25	25	19.89	19.85	19.90	19.75	19.95	0.00	20.50	19.89	19.85	19.90	19.75	19.95	0.00	20.50
		50	0	19.82	19.79	19.82	19.77	19.92	0.00	20.50	19.82	19.79	19.82	19.77	19.92	0.00	20.50
	256QAM	1	0	19.44	19.41	19.37	19.21	19.35	0.50	20.00	19.44	19.41	19.37	19.21	19.35	0.50	20.00
		1	25	19.43	19.43	19.48	19.18	19.45	0.50	20.00	19.43	19.43	19.48	19.18	19.45	0.50	20.00
		1	49	19.44	19.41	19.50	19.20	19.44	0.50	20.00	19.44	19.41	19.50	19.20	19.44	0.50	20.00
		25	0	19.32	19.30	19.33	19.50	19.22	0.50	20.00	19.32	19.30	19.33	19.50	19.22	0.50	20.00
		25	12	19.36	19.32	19.38	19.53	19.27	0.50	20.00	19.36	19.32	19.38	19.53	19.27	0.50	20.00
		25	25	19.33	19.32	19.36	19.50	19.32	0.50	20.00	19.33	19.32	19.36	19.50	19.32	0.50	20.00
		50	0	19.38	19.35	19.41	19.40	19.28	0.50	20.00	19.38	19.35	19.41	19.40	19.28	0.50	20.00

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	19.78	19.66	19.69	19.83	19.74	0.00	20.50	19.78	19.66	19.69	19.83	19.74	0.00	20.50
		1	12	19.69	19.69	19.77	19.77	19.72	0.00	20.50	19.69	19.69	19.77	19.77	19.72	0.00	20.50
		1	24	19.81	19.70	19.66	19.80	19.69	0.00	20.50	19.81	19.70	19.66	19.80	19.69	0.00	20.50
		12	0	19.82	19.81	19.85	19.94	19.81	0.00	20.50	19.82	19.81	19.85	19.94	19.81	0.00	20.50
		12	7	19.84	19.87	19.88	19.96	19.83	0.00	20.50	19.84	19.87	19.88	19.96	19.83	0.00	20.50
		12	13	19.83	19.82	19.83	19.98	19.80	0.00	20.50	19.83	19.82	19.83	19.98	19.80	0.00	20.50
		25	0	19.81	19.78	19.81	19.91	19.79	0.00	20.50	19.81	19.78	19.81	19.91	19.79	0.00	20.50
	16QAM	1	0	19.71	19.66	19.64	19.78	19.62	0.00	20.50	19.71	19.66	19.64	19.78	19.62	0.00	20.50
		1	12	19.75	19.84	19.83	19.94	19.81	0.00	20.50	19.75	19.84	19.83	19.94	19.81	0.00	20.50
		1	24	19.76	19.64	19.69	19.77	19.64	0.00	20.50	19.76	19.64	19.69	19.77	19.64	0.00	20.50
		12	0	19.76	19.82	19.77	19.89	19.77	0.00	20.50	19.76	19.82	19.77	19.89	19.77	0.00	20.50
		12	7	19.81	19.86	19.84	19.95	19.81	0.00	20.50	19.81	19.86	19.84	19.95	19.81	0.00	20.50
		12	13	19.77	19.81	19.83	19.88	19.76	0.00	20.50	19.77	19.81	19.83	19.88	19.76	0.00	20.50
		25	0	19.82	19.78	19.80	19.92	19.77	0.00	20.50	19.82	19.78	19.80	19.92	19.77	0.00	20.50
	64QAM	1	0	19.50	19.83	19.87	19.94	19.52	0.00	20.50	19.50	19.83	19.87	19.94	19.52	0.00	20.50
		1	12	19.54	19.95	20.00	20.00	19.54	0.00	20.50	19.54	19.95	20.00	20.00	19.54	0.00	20.50
		1	24	19.61	19.85	19.97	19.91	19.50	0.00	20.50	19.61	19.85	19.97	19.91	19.50	0.00	20.50
		12	0	19.84	19.87	19.89	19.99	19.79	0.00	20.50	19.84	19.87	19.89	19.99	19.79	0.00	20.50
		12	7	19.87	19.96	19.96	19.99	19.80	0.00	20.50	19.87	19.96	19.96	19.99	19.80	0.00	20.50
		12	13	19.83	19.93	19.93	19.92	19.77	0.00	20.50	19.83	19.93	19.93	19.92	19.77	0.00	20.50
		25	0	19.86	19.75	19.78	19.80	19.81	0.00	20.50	19.86	19.75	19.78	19.80	19.81	0.00	20.50
	256QAM	1	0	19.41	19.09	19.14	19.26	19.34	0.50	20.00	19.41	19.09	19.14	19.26	19.34	0.50	20.00
		1	12	19.53	19.12	19.20	19.26	19.38	0.50	20.00	19.53	19.12	19.20	19.26	19.38	0.50	20.00
		1	24	19.44	19.09	19.18	19.25	19.41	0.50	20.00	19.44	19.09	19.18	19.25	19.41	0.50	20.00
		12	0	19.10	19.11	19.11	19.23	19.07	0.50	20.00	19.10	19.11	19.11	19.23	19.07	0.50	20.00
		12	7	19.13	19.17	19.19	19.30	19.09	0.50	20.00	19.13	19.17	19.19	19.30	19.09	0.50	20.00
		12	13	19.09	19.12	19.14	19.23	19.05	0.50	20.00	19.09	19.12	19.14	19.23	19.05	0.50	20.00
		25	0	19.11	19.06	19.11	19.18	19.06	0.50	20.00	19.11	19.06	19.11	19.18	19.06	0.50	20.00

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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	24.87	25.20	25.13	25.05	24.99	0.00	25.50	18.59	18.97	18.87	18.80	18.72	0.00	19.80
		1	49	25.10	25.22	25.25	25.08	25.00	0.00	25.50	18.95	18.98	19.00	18.85	18.83	0.00	19.80
		1	99	25.02	25.15	25.04	25.06	25.00	0.00	25.50	18.94	18.87	18.79	18.78	18.71	0.00	19.80
		50	0	24.18	23.92	24.13	24.05	23.99	0.80	24.70	18.88	19.01	18.85	18.80	18.75	0.00	19.80
		50	24	24.21	24.00	24.21	24.12	24.07	0.80	24.70	18.92	19.06	19.06	18.86	18.84	0.00	19.80
		50	50	24.20	23.90	24.11	24.11	24.05	0.80	24.70	18.90	19.02	18.82	18.84	18.80	0.00	19.80
		100	0	24.21	24.10	24.22	24.13	24.09	0.80	24.70	18.90	19.05	19.10	18.86	18.82	0.00	19.80
	16QAM	1	0	23.94	24.18	23.85	24.09	23.89	0.80	24.70	18.72	19.06	18.60	18.93	18.81	0.00	19.80
		1	49	24.15	24.16	23.78	23.99	23.78	0.80	24.70	18.99	18.98	18.56	18.79	18.67	0.00	19.80
		1	99	24.26	24.04	23.73	24.11	23.84	0.80	24.70	19.11	18.91	18.68	18.91	18.71	0.00	19.80
		50	0	23.13	23.32	23.03	23.01	22.87	1.80	23.70	18.92	19.15	18.88	18.84	18.74	0.00	19.80
		50	24	23.13	23.22	23.02	23.08	22.96	1.80	23.70	18.97	19.05	18.83	18.92	18.81	0.00	19.80
		50	50	23.20	23.19	23.00	23.08	22.93	1.80	23.70	19.04	19.03	18.82	18.92	18.80	0.00	19.80
		100	0	23.12	23.22	23.01	23.01	22.94	1.80	23.70	18.89	19.05	18.85	18.88	18.81	0.00	19.80
	64QAM	1	0	23.07	23.37	22.96	23.19	22.93	1.80	23.70	18.86	19.00	18.81	18.99	18.88	0.00	19.80
		1	49	23.05	23.37	22.97	23.19	23.00	1.80	23.70	18.87	19.01	18.79	18.99	18.82	0.00	19.80
		1	99	23.05	23.36	22.97	23.17	23.08	1.80	23.70	18.87	19.00	18.79	18.99	18.92	0.00	19.80
		50	0	22.50	22.36	22.46	22.68	22.47	2.80	22.70	18.87	19.04	18.79	19.00	18.85	0.00	19.80
		50	24	22.49	22.36	22.46	22.67	22.53	2.80	22.70	18.87	19.01	18.79	19.01	18.91	0.00	19.80
		50	50	22.56	22.36	22.46	22.67	22.52	2.80	22.70	18.88	19.01	18.81	19.01	18.89	0.00	19.80
		100	0	22.57	22.36	22.45	22.67	22.54	2.80	22.70	18.87	19.02	18.79	19.01	18.90	0.00	19.80
	256QAM	1	0	19.99	20.63	20.14	20.01	20.21	4.80	20.70	18.80	18.80	18.99	18.83	19.08	0.00	19.80
		1	49	20.12	20.51	19.95	19.94	20.15	4.80	20.70	18.96	18.90	18.79	18.80	18.97	0.00	19.80
		1	99	20.27	20.51	20.00	19.99	20.25	4.80	20.70	19.09	18.80	18.87	18.88	19.15	0.00	19.80
		50	0	20.11	20.38	20.06	20.01	19.98	4.80	20.70	18.96	19.23	18.90	18.84	18.80	0.00	19.80
		50	24	20.15	20.26	20.05	20.08	20.03	4.80	20.70	18.97	19.09	18.88	18.93	18.88	0.00	19.80
		50	50	20.17	20.26	20.03	20.06	20.03	4.80	20.70	19.01	19.12	18.87	18.89	18.86	0.00	19.80
		100	0	20.11	20.28	20.05	20.06	20.03	4.80	20.70	18.96	19.12	18.88	18.90	18.86	0.00	19.80

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	24.86	25.13	24.83	24.85	24.74	0.00	25.50	18.64	19.00	18.69	18.68	18.62	0.00	19.80
		1	37	24.95	25.05	24.74	24.79	24.72	0.00	25.50	18.83	18.89	18.57	18.68	18.59	0.00	19.80
		1	74	25.05	25.10	24.86	24.91	24.85	0.00	25.50	18.90	18.97	18.74	18.77	18.69	0.00	19.80
		36	0	24.08	24.30	24.00	23.93	23.90	0.80	24.70	18.89	19.14	18.83	18.76	18.73	0.00	19.80
		36	20	24.08	24.20	23.97	24.03	23.97	0.80	24.70	18.88	19.02	18.80	18.83	18.77	0.00	19.80
		36	39	24.14	24.19	23.98	24.01	23.96	0.80	24.70	18.93	19.01	18.76	18.81	18.77	0.00	19.80
		75	0	24.08	24.19	24.00	24.01	23.96	0.80	24.70	18.88	19.02	18.78	18.83	18.81	0.00	19.80
	16QAM	1	0	23.98	24.16	23.89	23.90	23.82	0.80	24.70	18.77	19.00	18.77	18.63	18.66	0.00	19.80
		1	37	24.10	24.12	23.84	23.98	23.79	0.80	24.70	18.94	18.96	18.68	18.77	18.65	0.00	19.80
		1	74	24.16	24.10	23.96	23.97	23.85	0.80	24.70	18.94	19.01	18.78	18.72	18.73	0.00	19.80
		36	0	23.10	23.30	22.98	22.97	22.88	1.80	23.70	18.90	19.13	18.77	18.81	18.70	0.00	19.80
		36	20	23.10	23.19	22.95	23.06	22.94	1.80	23.70	18.90	19.03	18.77	18.85	18.78	0.00	19.80
		36	39	23.15	23.16	22.92	23.02	22.91	1.80	23.70	18.96	19.00	18.78	18.84	18.75	0.00	19.80
		75	0	23.09	23.21	23.01	23.01	22.97	1.80	23.70	18.90	19.02	18.81	18.83	18.80	0.00	19.80
	64QAM	1	0	23.04	23.15	23.02	23.04	23.00	1.80	23.70	18.58	19.00	18.92	18.58	18.62	0.00	19.80
		1	37	23.03	23.11	23.06	23.05	23.02	1.80	23.70	18.57	19.01	18.91	18.58	18.58	0.00	19.80
		1	74	23.02	23.12	23.04	23.04	23.01	1.80	23.70	18.56	19.00	18.91	18.57	18.70	0.00	19.80
		36	0	22.51	22.60	22.54	22.55	22.02	2.80	22.70	18.64	19.01	18.91	18.57	18.74	0.00	19.80
		36	20	22.51	22.60	22.57	22.53	22.05	2.80	22.70	18.63	19.00	18.92	18.60	18.79	0.00	19.80
		36	39	22.51	22.60	22.56	22.52	22.05	2.80	22.70	18.65	19.00	18.93	18.60	18.80	0.00	19.80
		75	0	22.50	22.60	22.54	22.55	22.00	2.80	22.70	18.64	19.01	18.91	18.60	18.86	0.00	19.80
	256QAM	1	0	19.70	20.39	20.08	19.70	19.98	4.80	20.70	18.83	18.99	18.57	18.78	18.79	0.00	19.80
		1	37	19.82	20.28	20.00	19.70	19.98	4.80	20.70	18.98	18.94	18.47	18.80	18.82	0.00	19.80
		1	74	19.97	20.29	20.11	19.77	20.10	4.80	20.70	19.13	18.96	18.57	18.99	18.91	0.00	19.80
		36	0	20.14	20.39	20.01	20.02	19.97	4.80	20.70	18.96	18.96	18.89	18.83	18.74	0.00	19.80
		36	20	20.13	20.27	20.01	20.07	20.02	4.80	20.70	18.96	18.84	18.85	18.88	18.83	0.00	19.80
		36	39	20.15	20.25	19.97	20.07	19.98	4.80	20.70	19.00	18.83	18.85	18.86	18.79	0.00	19.80
		75	0	20.08	20.28	20.03	20.04	20.03	4.80	20.70	18.95	18.90	18.84	18.89	18.84	0.00	19.80

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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	24.96	25.00	24.93	24.91	24.85	0.00	25.50	18.81	18.86	18.73	18.74	18.71	0.00	19.80
		1	25	25.10	25.11	24.83	24.93	24.89	0.00	25.50	18.88	18.82	18.64	18.77	18.70	0.00	19.80
		1	49	25.03	25.11	24.86	24.84	24.81	0.00	25.50	19.01	18.83	18.69	18.76	18.66	0.00	19.80
		25	0	24.15	24.30	24.02	23.94	23.93	0.80	24.70	18.99	18.97	18.84	18.79	18.78	0.00	19.80
		25	12	24.20	24.33	24.03	24.04	24.02	0.80	24.70	19.03	18.96	18.85	18.91	18.86	0.00	19.80
		25	25	24.13	24.23	23.99	24.00	24.01	0.80	24.70	19.00	18.85	18.82	18.86	18.83	0.00	19.80
		50	0	24.09	24.24	24.02	24.00	23.99	0.80	24.70	18.93	18.86	18.87	18.88	18.82	0.00	19.80
	16QAM	1	0	24.22	24.25	23.96	24.07	23.87	0.80	24.70	18.94	19.02	18.80	18.76	18.90	0.00	19.80
		1	25	24.22	24.17	23.96	24.08	23.87	0.80	24.70	18.93	19.02	18.73	18.78	18.94	0.00	19.80
		1	49	24.25	24.16	23.96	24.13	23.92	0.80	24.70	19.04	18.98	18.79	18.79	18.89	0.00	19.80
		25	0	23.18	23.33	23.00	22.96	22.94	1.80	23.70	18.99	18.97	18.86	18.79	18.79	0.00	19.80
		25	12	23.23	23.30	23.03	23.07	23.02	1.80	23.70	19.03	19.04	18.86	18.92	18.89	0.00	19.80
		25	25	23.14	23.24	22.99	23.05	22.97	1.80	23.70	18.98	18.90	18.86	18.88	18.86	0.00	19.80
		50	0	23.12	23.18	23.03	23.05	22.98	1.80	23.70	18.99	18.93	18.84	18.93	18.90	0.00	19.80
	64QAM	1	0	23.27	23.21	22.86	23.09	23.00	1.80	23.70	18.74	18.73	18.73	18.65	19.10	0.00	19.80
		1	25	23.25	23.26	22.85	23.01	23.01	1.80	23.70	18.76	18.74	18.75	18.65	19.14	0.00	19.80
		1	49	23.13	23.25	22.83	23.02	23.02	1.80	23.70	18.72	18.68	18.83	18.63	19.18	0.00	19.80
		25	0	22.21	22.24	21.83	22.12	22.00	2.80	22.70	18.75	18.70	18.84	18.66	18.78	0.00	19.80
		25	12	22.18	22.24	21.81	22.01	22.08	2.80	22.70	18.74	19.26	18.80	18.68	18.91	0.00	19.80
		25	25	22.16	22.19	21.82	22.05	22.04	2.80	22.70	18.73	19.26	18.82	18.67	18.84	0.00	19.80
		50	0	22.16	22.24	21.84	22.12	21.97	2.80	22.70	18.74	18.73	18.80	18.64	18.83	0.00	19.80
	256QAM	1	0	19.93	20.47	20.04	19.77	20.02	4.80	20.70	18.89	18.88	18.99	18.72	18.52	0.00	19.80
		1	25	19.96	20.41	20.04	19.86	20.11	4.80	20.70	19.07	18.93	19.06	18.82	18.60	0.00	19.80
		1	49	20.00	20.33	20.03	19.83	20.11	4.80	20.70	19.01	18.83	18.96	18.86	18.58	0.00	19.80
		25	0	20.27	20.36	20.06	20.08	19.98	4.80	20.70	18.99	19.22	18.86	18.82	18.80	0.00	19.80
		25	12	20.32	20.36	20.06	20.17	20.09	4.80	20.70	19.06	19.21	18.88	18.94	18.92	0.00	19.80
		25	25	20.26	20.22	20.04	20.16	20.08	4.80	20.70	18.99	19.13	18.83	18.90	18.89	0.00	19.80
		50	0	20.15	20.34	20.05	20.08	20.09	4.80	20.70	18.94	19.05	18.92	18.88	18.83	0.00	19.80
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	25.02	25.00	24.90	24.81	24.84	0.00	25.50	18.89	18.82	18.71	18.79	18.68	0.00	19.80
		1	12	25.06	25.15	24.94	24.93	24.81	0.00	25.50	18.85	18.78	18.75	18.78	18.70	0.00	19.80
		1	24	25.05	25.10	24.90	24.91	24.87	0.00	25.50	18.97	18.81	18.78	18.81	18.68	0.00	19.80
		12	0	24.14	24.30	24.01	23.95	23.84	0.80	24.70	18.96	18.94	18.87	18.78	18.75	0.00	19.80
		12	7	24.22	24.35	24.06	24.06	23.98	0.80	24.70	19.00	18.98	18.90	18.89	18.86	0.00	19.80
		12	13	24.22	24.31	24.04	24.02	23.93	0.80	24.70	18.99	18.95	18.84	18.89	18.83	0.00	19.80
		25	0	24.16	24.29	23.98	24.00	23.94	0.80	24.70	18.97	18.92	18.81	18.84	18.81	0.00	19.80
	16QAM	1	0	24.01	24.23	24.08	23.88	23.82	0.80	24.70	18.85	18.82	18.88	18.77	18.69	0.00	19.80
		1	12	24.21	24.33	24.25	24.06	23.91	0.80	24.70	18.99	18.96	18.98	18.84	18.83	0.00	19.80
		1	24	24.10	24.17	24.10	23.87	23.83	0.80	24.70	18.95	18.79	18.91	18.77	18.67	0.00	19.80
		12	0	23.16	23.29	23.07	22.95	22.85	1.80	23.70	18.94	18.94	18.92	18.79	18.75	0.00	19.80
		12	7	23.23	23.34	23.12	23.08	22.96	1.80	23.70	19.01	19.02	18.95	18.91	18.90	0.00	19.80
		12	13	23.18	23.30	23.07	23.06	22.90	1.80	23.70	19.00	18.94	18.92	18.85	18.83	0.00	19.80
		25	0	23.15	23.34	23.01	23.02	22.96	1.80	23.70	18.99	18.93	18.88	18.90	18.83	0.00	19.80
	64QAM	1	0	23.02	23.56	23.23	22.87	22.97	1.80	23.70	19.11	19.08	19.11	19.02	18.63	0.00	19.80
		1	12	23.02	23.57	23.21	22.87	23.03	1.80	23.70	19.08	19.09	19.10	19.03	18.62	0.00	19.80
		1	24	23.03	23.56	23.22	22.86	22.99	1.80	23.70	19.00	19.09	19.10	19.03	18.62	0.00	19.80
		12	0	22.50	22.57	22.21	22.36	21.79	2.80	22.70	18.90	19.08	19.11	19.03	18.60	0.00	19.80
		12	7	22.51	22.56	22.20	22.36	21.91	2.80	22.70	18.99	19.08	19.08	19.03	18.59	0.00	19.80
		12	13	22.51	22.58	22.23	22.35	21.85	2.80	22.70	18.95	19.08	19.09	19.03	18.59	0.00	19.80
		25	0	22.49	22.58	22.24	22.36	21.82	2.80	22.70	18.89	19.07	19.08	19.03	18.59	0.00	19.80
	256QAM	1	0	20.39	20.33	20.05	20.30	19.93	4.80	20.70	19.01	18.80	18.88	18.80	19.02	0.00	19.80
		1	12	20.54	20.51	20.03	20.45	20.15	4.80	20.70	19.18	19.03	18.92	19.05	19.20	0.00	19.80
		1	24	20.54	20.35	20.00	20.40	20.04	4.80	20.70	19.11	18.84	18.87	18.92	19.13	0.00	19.80
		12	0	20.11	20.31	20.00	19.96	19.87	4.80	20.70	18.96	19.15	18.86	18.75	18.68	0.00	19.80
		12	7	20.22	20.33	20.09	20.09	20.00	4.80	20.70	19.02	19.15	18.94	18.90	18.80	0.00	19.80
		12	13	20.19	20.29	20.01	20.06	19.97	4.80	20.70	18.97	19.15	18.87	18.85	18.77	0.00	19.80
		25	0	20.15	20.29	19.97	20.08	19.97	4.80	20.70	18.96	19.16	18.84	18.86	18.76	0.00	19.80

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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	17.95	18.50	18.03	18.10	18.30	0.00	19.00	20.10	20.79	20.24	20.48	20.58	0.00	21.00
		1	49	18.53	18.53	18.30	18.16	18.35	0.00	19.00	20.75	20.71	20.03	20.38	20.53	0.00	21.00
		1	99	18.50	18.41	17.95	18.10	18.31	0.00	19.00	20.92	20.58	20.20	20.44	20.64	0.00	21.00
		50	0	18.46	18.60	17.99	18.26	18.41	0.00	19.00	20.63	20.88	20.18	20.48	20.58	0.00	21.00
		50	24	18.71	18.64	18.30	18.34	18.51	0.00	19.00	20.89	20.79	20.19	20.58	20.68	0.00	21.00
		50	50	18.70	18.60	17.97	18.31	18.51	0.00	19.00	20.94	20.74	20.20	20.48	20.68	0.00	21.00
		100	0	18.58	18.61	18.30	18.32	18.50	0.00	19.00	20.78	20.76	20.19	20.50	20.67	0.00	21.00
	16QAM	1	0	17.94	18.68	18.18	18.24	18.41	0.00	19.00	20.13	20.78	20.16	20.42	20.69	0.00	21.00
		1	49	18.51	18.56	17.97	18.14	18.27	0.00	19.00	20.70	20.68	20.02	20.31	20.65	0.00	21.00
		1	99	18.72	18.41	18.10	18.19	18.38	0.00	19.00	20.95	20.56	20.15	20.37	20.78	0.00	21.00
		50	0	18.42	18.71	18.00	18.21	18.39	0.00	19.00	20.61	20.84	20.18	20.41	20.58	0.00	21.00
		50	24	18.67	18.62	18.02	18.29	18.47	0.00	19.00	20.87	20.73	20.19	20.47	20.69	0.00	21.00
		50	50	18.71	18.57	18.04	18.27	18.50	0.00	19.00	20.92	20.71	20.20	20.45	20.69	0.00	21.00
		100	0	18.57	18.62	17.95	18.29	18.48	0.00	19.00	20.75	20.73	20.19	20.48	20.63	0.00	21.00
	64QAM	1	0	18.04	18.69	18.06	18.24	18.40	0.00	19.00	20.59	21.00	20.61	20.50	20.90	0.00	21.00
		1	49	18.68	18.57	17.93	18.19	18.47	0.00	19.00	20.93	20.96	20.40	20.40	20.89	0.00	21.00
		1	99	18.74	18.41	18.10	18.24	18.62	0.00	19.00	20.88	20.92	20.56	20.47	21.00	0.00	21.00
		50	0	18.50	18.72	18.03	18.27	18.43	0.00	19.00	19.99	20.89	20.23	20.34	20.59	0.00	21.00
		50	24	18.76	18.63	18.02	18.34	18.51	0.00	19.00	20.23	20.82	20.23	20.19	20.71	0.00	21.00
		50	50	18.81	18.58	18.02	18.28	18.51	0.00	19.00	20.29	20.79	20.22	20.07	20.71	0.00	21.00
		100	0	18.62	18.59	18.03	18.33	18.51	0.00	19.00	20.10	20.77	20.20	20.12	20.67	0.00	21.00
	256QAM	1	0	17.54	18.47	17.89	18.02	18.10	0.00	19.00	18.18	18.95	18.63	18.80	18.90	2.00	19.00
		1	49	18.11	18.31	17.66	17.95	18.13	0.00	19.00	18.16	18.77	18.43	18.90	18.91	2.00	19.00
		1	99	18.30	18.22	17.81	17.98	18.30	0.00	19.00	18.39	18.73	18.59	18.99	18.78	2.00	19.00
		50	0	17.66	18.20	17.50	17.72	17.88	0.00	19.00	18.11	18.89	18.53	18.73	18.91	2.00	19.00
		50	24	17.91	18.10	17.50	17.79	17.98	0.00	19.00	18.24	18.82	18.53	18.79	19.00	2.00	19.00
		50	50	17.98	18.06	17.51	17.77	18.00	0.00	19.00	18.26	18.78	18.51	18.77	19.00	2.00	19.00
		100	0	17.78	18.05	17.57	17.80	18.00	0.00	19.00	18.12	18.79	18.51	18.81	18.97	2.00	19.00

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
15 MHz	QPSK	1	0	18.15	18.65	17.96	18.19	18.29	0.00	19.00	20.32	20.78	20.10	20.37	20.50	0.00	21.00
		1	37	18.51	18.55	17.78	18.11	18.30	0.00	19.00	20.67	20.64	19.94	20.31	20.52	0.00	21.00
		1	74	18.62	18.51	17.94	18.20	18.40	0.00	19.00	20.84	20.67	20.11	20.40	20.66	0.00	21.00
		36	0	18.51	18.72	18.02	18.27	18.39	0.00	19.00	20.67	20.88	20.19	20.48	20.57	0.00	21.00
		36	20	18.67	18.68	18.02	18.24	18.47	0.00	19.00	20.86	20.86	20.17	20.46	20.65	0.00	21.00
		36	39	18.73	18.59	18.02	18.31	18.48	0.00	19.00	20.87	20.76	20.17	20.49	20.67	0.00	21.00
		75	0	18.66	18.62	18.01	18.32	18.46	0.00	19.00	20.86	20.78	20.19	20.48	20.63	0.00	21.00
	16QAM	1	0	18.20	18.65	17.98	18.16	18.32	0.00	19.00	20.37	20.79	20.14	20.39	20.60	0.00	21.00
		1	37	18.56	18.58	17.84	18.15	18.34	0.00	19.00	20.72	20.65	20.03	20.33	20.77	0.00	21.00
		1	74	18.67	18.56	17.95	18.19	18.45	0.00	19.00	20.80	20.63	20.15	20.37	20.78	0.00	21.00
		36	0	18.51	18.74	17.98	18.23	18.38	0.00	19.00	20.68	20.82	20.17	20.42	20.56	0.00	21.00
		36	20	18.68	18.72	17.99	18.21	18.48	0.00	19.00	20.85	20.81	20.16	20.40	20.65	0.00	21.00
		36	39	18.68	18.61	17.96	18.25	18.45	0.00	19.00	20.86	20.69	20.16	20.43	20.67	0.00	21.00
		75	0	18.67	18.64	17.98	18.30	18.48	0.00	19.00	20.84	20.72	20.19	20.49	20.62	0.00	21.00
	64QAM	1	0	18.07	18.28	17.64	17.98	18.20	0.00	19.00	20.25	20.67	19.95	19.98	20.33	0.00	21.00
		1	37	18.34	18.14	17.52	18.03	18.24	0.00	19.00	20.70	20.59	19.78	19.92	20.41	0.00	21.00
		1	74	18.59	18.12	17.61	18.10	18.41	0.00	19.00	20.77	20.57	20.07	20.03	20.60	0.00	21.00
		36	0	18.49	18.78	18.10	18.19	18.34	0.00	19.00	19.93	20.80	20.13	20.34	20.54	0.00	21.00
		36	20	18.68	18.74	18.08	18.16	18.43	0.00	19.00	20.11	20.78	20.11	20.26	20.60	0.00	21.00
		36	39	18.70	18.65	18.06	18.22	18.41	0.00	19.00	20.16	20.69	20.10	20.16	20.63	0.00	21.00
		75	0	18.72	18.60	17.99	18.28	18.45	0.00	19.00	20.18	20.76	20.16	20.16	20.67	0.00	21.00
	256QAM	1	0	17.58	18.31	17.63	17.72	17.87	0.00	19.00	18.14	18.92	18.55	18.78	18.85	2.00	19.00
		1	37	17.90	18.17	17.53	17.75	17.93	0.00	19.00	18.14	18.81	18.39	18.76	18.94	2.00	19.00
		1	74	18.02	18.13	17.61	17.85	18.09	0.00	19.00	18.36	18.75	18.57	18.88	18.80	2.00	19.00
		36	0	17.71	18.25	17.55	17.67	17.83	0.00	19.00	18.18	18.81	18.42	18.76	18.82	2.00	19.00
		36	20	17.86	18.21	17.51	17.65	17.91	0.00	19.00	18.12	18.78	18.43	18.74	18.90	2.00	19.00
		36	39	17.90	18.10	17.50	17.72	17.91	0.00	19.00	18.17	18.69	18.41	18.80	18.93	2.00	19.00
		75	0	17.91	18.13	17.52	17.76	17.95	0.00	19.00	18.18	18.74	18.49	18.81	18.94	2.00	19.00

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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)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
10 MHz	QPSK	1	0	18.39	18.63	17.92	18.26	18.37	0.00	19.00	20.56	20.77	20.14	20.41	20.50	0.00	21.00
		1	25	18.63	18.61	17.87	18.21	18.36	0.00	19.00	20.75	20.73	20.09	20.41	20.51	0.00	21.00
		1	49	18.78	18.56	17.95	18.22	18.42	0.00	19.00	20.95	20.70	20.17	20.41	20.56	0.00	21.00
		25	0	18.63	18.76	18.06	18.29	18.44	0.00	19.00	20.81	20.90	20.25	20.48	20.62	0.00	21.00
		25	12	18.77	18.70	18.07	18.40	18.56	0.00	19.00	20.94	20.81	20.25	20.56	20.70	0.00	21.00
		25	25	18.76	18.67	18.08	18.36	18.55	0.00	19.00	20.95	20.80	20.25	20.53	20.70	0.00	21.00
		50	0	18.74	18.67	18.06	18.36	18.52	0.00	19.00	20.92	20.80	20.25	20.54	20.68	0.00	21.00
	16QAM	1	0	18.56	18.67	17.95	18.27	18.37	0.00	19.00	20.57	20.79	20.12	20.43	20.52	0.00	21.00
		1	25	18.76	18.64	17.90	18.25	18.40	0.00	19.00	20.80	20.75	20.07	20.40	20.51	0.00	21.00
		1	49	18.94	18.63	17.96	18.30	18.46	0.00	19.00	21.00	20.79	20.15	20.44	20.60	0.00	21.00
		25	0	18.63	18.76	18.02	18.31	18.44	0.00	19.00	20.81	20.87	20.21	20.46	20.59	0.00	21.00
		25	12	18.76	18.69	18.03	18.40	18.52	0.00	19.00	20.92	20.78	20.23	20.53	20.69	0.00	21.00
		25	25	18.76	18.67	18.03	18.37	18.51	0.00	19.00	20.93	20.78	20.22	20.52	20.68	0.00	21.00
		50	0	18.75	18.68	18.03	18.36	18.50	0.00	19.00	20.89	20.79	20.20	20.51	20.65	0.00	21.00
	64QAM	1	0	18.10	18.81	17.65	17.86	18.81	0.00	19.00	20.58	20.49	20.26	20.57	20.64	0.00	21.00
		1	25	18.32	18.78	17.58	17.89	18.85	0.00	19.00	20.48	20.43	20.23	20.58	20.75	0.00	21.00
		1	49	18.46	18.67	17.62	17.92	18.94	0.00	19.00	20.62	20.37	20.31	20.57	20.82	0.00	21.00
		25	0	18.69	18.65	18.09	18.33	18.43	0.00	19.00	20.14	20.93	20.10	20.12	20.55	0.00	21.00
		25	12	18.80	18.59	18.10	18.41	18.57	0.00	19.00	20.28	20.88	20.11	20.07	20.64	0.00	21.00
		25	25	18.81	18.57	18.08	18.39	18.53	0.00	19.00	20.28	20.85	20.14	20.04	20.66	0.00	21.00
		50	0	18.76	18.61	18.04	18.34	18.51	0.00	19.00	20.22	20.79	20.17	20.08	20.69	0.00	21.00
	256QAM	1	0	17.67	18.17	17.67	17.91	17.65	0.00	19.00	18.11	18.69	18.43	18.74	18.82	2.00	19.00
		1	25	17.88	18.22	17.66	18.01	17.77	0.00	19.00	18.35	18.73	18.45	18.78	18.98	2.00	19.00
		1	49	17.98	18.09	17.68	17.94	17.82	0.00	19.00	18.44	18.61	18.49	18.74	18.94	2.00	19.00
		25	0	17.65	18.22	17.52	17.77	17.98	0.00	19.00	18.11	18.61	18.47	18.74	18.87	2.00	19.00
		25	12	17.76	18.16	17.54	17.88	18.07	0.00	19.00	18.25	18.54	18.50	18.81	19.00	2.00	19.00
		25	25	17.78	18.13	17.54	17.85	18.07	0.00	19.00	18.23	18.51	18.47	18.81	18.99	2.00	19.00
		50	0	17.81	18.13	17.60	17.89	17.99	0.00	19.00	18.27	18.57	18.47	18.82	18.80	2.00	19.00
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)							Power Mode B (dBm)						
				39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit	39750.00	40185.00	40620.00	41055.00	41490.00	MPR	Tune-up Limit
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
5 MHz	QPSK	1	0	18.73	18.63	17.93	18.22	18.35	0.00	19.00	20.64	20.79	20.10	20.33	20.56	0.00	21.00
		1	12	18.65	18.59	17.90	18.17	18.38	0.00	19.00	20.74	20.74	20.08	20.38	20.56	0.00	21.00
		1	24	18.71	18.52	17.92	18.21	18.40	0.00	19.00	20.80	20.71	20.04	20.41	20.52	0.00	21.00
		12	0	18.68	18.75	18.05	18.28	18.42	0.00	19.00	20.80	20.89	20.20	20.46	20.60	0.00	21.00
		12	7	18.76	18.70	18.08	18.38	18.54	0.00	19.00	20.92	20.84	20.22	20.55	20.73	0.00	21.00
		12	13	18.69	18.65	18.04	18.35	18.52	0.00	19.00	20.86	20.81	20.23	20.50	20.71	0.00	21.00
		25	0	18.71	18.65	18.01	18.32	18.49	0.00	19.00	20.88	20.81	20.18	20.49	20.68	0.00	21.00
	16QAM	1	0	18.70	18.61	17.94	18.19	18.33	0.00	19.00	20.65	20.76	20.07	20.33	20.49	0.00	21.00
		1	12	18.95	18.82	18.11	18.39	18.58	0.00	19.00	20.93	20.94	20.21	20.55	20.71	0.00	21.00
		1	24	18.88	18.58	17.92	18.24	18.40	0.00	19.00	20.83	20.69	20.03	20.35	20.51	0.00	21.00
		12	0	18.73	18.76	18.08	18.26	18.43	0.00	19.00	20.84	20.87	20.15	20.43	20.59	0.00	21.00
		12	7	18.80	18.71	18.11	18.42	18.56	0.00	19.00	20.94	20.85	20.23	20.55	20.72	0.00	21.00
		12	13	18.74	18.67	18.08	18.33	18.51	0.00	19.00	20.84	20.80	20.16	20.50	20.70	0.00	21.00
		25	0	18.69	18.65	18.05	18.33	18.50	0.00	19.00	20.89	20.80	20.20	20.49	20.65	0.00	21.00
	64QAM	1	0	18.39	18.46	17.75	18.34	18.08	0.00	19.00	20.91	20.64	20.25	20.50	20.65	0.00	21.00
		1	12	18.52	18.52	17.73	18.38	18.28	0.00	19.00	20.94	20.70	20.19	20.58	20.73	0.00	21.00
		1	24	18.44	18.35	17.72	18.35	18.16	0.00	19.00	21.00	20.48	20.24	20.53	20.75	0.00	21.00
		12	0	18.69	18.74	18.03	18.14	18.42	0.00	19.00	20.09	20.89	20.06	20.09	20.51	0.00	21.00
		12	7	18.76	18.70	18.04	18.25	18.56	0.00	19.00	20.16	20.81	20.12	20.12	20.61	0.00	21.00
		12	13	18.70	18.67	18.02	18.21	18.51	0.00	19.00	20.06	20.80	20.05	20.12	20.59	0.00	21.00
		25	0	18.79	18.72	18.08	18.16	18.54	0.00	19.00	20.06	20.85	20.02	19.99	20.53	0.00	21.00
	256QAM	1	0	17.93	18.51	17.82	17.76	18.22	0.00	19.00	18.09	18.55	18.48	18.76	18.92	2.00	19.00
		1	12	18.09	18.62	17.85	17.99	18.37	0.00	19.00	18.37	18.60	18.64	18.97	18.80	2.00	19.00
		1	24	18.08	18.46	17.87	17.85	18.35	0.00	19.00	18.27	18.52	18.51	18.84	18.80	2.00	19.00
		12	0	17.65	18.22	17.50	17.69	17.88	0.00	19.00	18.10	18.56	18.40	18.67	18.87	2.00	19.00
		12	7	17.75	18.20	17.53	17.80	18.01	0.00	19.00	18.20	18.53	18.46	18.82	18.97	2.00	19.00
		12	13	17.69	18.14	17.50	17.80	18.02	0.00	19.00	18.14	18.49	18.44	18.76	18.93	2.00	19.00
		25	0	17.73	18.13	17.50	17.75	18.00	0.00	19.00	18.14	18.51	18.40	18.75	18.94	2.00	19.00

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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	25.02	25.07	25.15	25.15	0.00	25.60	21.61	21.61	21.69	21.60	0.00	22.50
		1	49	24.92	25.08	25.20	24.98	0.00	25.60	21.63	21.63	21.76	21.64	0.00	22.50
		1	99	24.98	25.02	25.09	24.95	0.00	25.60	21.59	21.59	21.70	21.59	0.00	22.50
		50	0	24.20	24.15	24.23	24.17	0.90	24.70	21.71	21.72	21.83	21.75	0.00	22.50
		50	24	24.30	24.30	24.30	24.30	0.90	24.70	21.77	21.81	21.88	21.82	0.00	22.50
		50	50	24.25	24.18	24.27	24.15	0.90	24.70	21.75	21.76	21.87	21.74	0.00	22.50
		100	0	24.30	24.30	24.30	24.30	0.90	24.70	21.75	21.79	21.87	21.79	0.00	22.50
	16QAM	1	0	24.26	24.30	24.28	24.28	0.90	24.70	21.54	21.59	21.68	21.61	0.00	22.50
		1	49	24.12	24.19	24.27	24.20	0.90	24.70	21.46	21.48	21.58	21.50	0.00	22.50
		1	99	24.23	24.26	24.26	24.22	0.90	24.70	21.50	21.52	21.64	21.50	0.00	22.50
		50	0	23.13	23.20	23.25	23.19	1.90	23.70	21.41	21.47	21.56	21.52	0.00	22.50
		50	24	23.21	23.25	23.24	23.25	1.90	23.70	21.50	21.54	21.65	21.56	0.00	22.50
		50	50	23.20	23.26	23.23	23.20	1.90	23.70	21.48	21.51	21.62	21.50	0.00	22.50
		100	0	23.19	23.25	23.29	23.21	1.90	23.70	21.47	21.52	21.59	21.50	0.00	22.50
	64QAM	1	0	23.02	23.06	23.13	23.15	1.90	23.70	21.48	21.37	21.50	21.49	0.00	22.50
		1	49	23.00	23.04	23.13	23.05	1.90	23.70	21.46	21.38	21.46	21.34	0.00	22.50
		1	99	23.05	23.10	23.19	23.03	1.90	23.70	21.51	21.45	21.52	21.38	0.00	22.50
		50	0	22.16	22.19	22.25	22.18	2.90	22.70	21.47	21.49	21.58	21.52	0.00	22.50
		50	24	22.24	22.27	22.23	22.24	2.90	22.70	21.54	21.59	21.65	21.55	0.00	22.50
		50	50	22.23	22.22	22.22	22.15	2.90	22.70	21.51	21.53	21.62	21.49	0.00	22.50
		100	0	22.21	22.24	22.30	22.20	2.90	22.70	21.53	21.54	21.62	21.53	0.00	22.50
	256QAM	1	0	20.23	20.28	20.30	20.21	4.90	20.70	20.36	20.27	20.36	20.32	1.80	20.70
		1	49	20.23	20.25	20.29	20.21	4.90	20.70	20.35	20.25	20.31	20.21	1.80	20.70
		1	99	20.29	20.29	20.25	20.21	4.90	20.70	20.38	20.32	20.38	20.22	1.80	20.70
		50	0	20.18	20.22	20.26	20.20	4.90	20.70	20.12	20.20	20.27	20.22	1.80	20.70
		50	24	20.28	20.28	20.24	20.24	4.90	20.70	20.23	20.28	20.36	20.29	1.80	20.70
		50	50	20.24	20.28	20.23	20.19	4.90	20.70	20.21	20.26	20.35	20.23	1.80	20.70
		100	0	20.28	20.30	20.25	20.27	4.90	20.70	20.22	20.29	20.37	20.27	1.80	20.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55315	55765	56215	56665	MPR	Tune-up Limit	55315	55765	56215	56665	MPR	Tune-up Limit
				3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz			3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz		
15 MHz	QPSK	1	0	24.80	24.89	24.98	24.96	0.00	25.60	21.35	21.36	21.43	21.40	0.00	22.50
		1	37	24.78	24.82	24.97	24.83	0.00	25.60	21.31	21.36	21.39	21.30	0.00	22.50
		1	74	24.92	24.96	25.05	24.90	0.00	25.60	21.39	21.41	21.51	21.35	0.00	22.50
		36	0	24.07	24.05	24.16	24.07	0.90	24.70	21.48	21.44	21.51	21.43	0.00	22.50
		36	20	24.07	24.13	24.13	24.03	0.90	24.70	21.46	21.48	21.50	21.39	0.00	22.50
		36	39	24.06	24.09	24.17	24.07	0.90	24.70	21.43	21.46	21.54	21.42	0.00	22.50
		75	0	24.05	24.09	24.09	24.01	0.90	24.70	21.43	21.45	21.44	21.35	0.00	22.50
	16QAM	1	0	24.00	24.05	24.14	24.13	0.90	24.70	21.51	21.53	21.62	21.52	0.00	22.50
		1	37	23.99	24.06	24.18	24.13	0.90	24.70	21.55	21.54	21.63	21.56	0.00	22.50
		1	74	24.06	24.12	24.19	24.11	0.90	24.70	21.60	21.61	21.67	21.50	0.00	22.50
		36	0	23.10	23.09	23.18	23.10	1.90	23.70	21.48	21.43	21.50	21.44	0.00	22.50
		36	20	23.11	23.14	23.16	23.08	1.90	23.70	21.50	21.50	21.50	21.38	0.00	22.50
		36	39	23.08	23.13	23.20	23.12	1.90	23.70	21.46	21.49	21.55	21.41	0.00	22.50
		75	0	23.06	23.12	23.13	23.04	1.90	23.70	21.47	21.50	21.46	21.38	0.00	22.50
	64QAM	1	0	23.21	23.27	23.15	23.30	1.90	23.70	21.27	21.66	21.76	21.71	0.00	22.50
		1	37	23.22	23.29	23.26	23.24	1.90	23.70	21.27	21.65	21.75	21.62	0.00	22.50
		1	74	23.30	23.30	23.26	23.30	1.90	23.70	21.38	21.75	21.88	21.72	0.00	22.50
		36	0	22.18	22.15	22.21	22.14	2.90	22.70	21.48	21.52	21.61	21.52	0.00	22.50
		36	20	22.17	22.20	22.20	22.10	2.90	22.70	21.46	21.58	21.62	21.47	0.00	22.50
		36	39	22.14	22.16	22.24	22.14	2.90	22.70	21.43	21.54	21.70	21.51	0.00	22.50
		75	0	22.12	22.14	22.15	22.03	2.90	22.70	21.50	21.53	21.56	21.41	0.00	22.50
	256QAM	1	0	19.78	19.78	19.83	19.82	4.90	20.70	20.15	19.83	19.94	19.86	1.80	20.70
		1	37	19.80	19.84	19.90	19.80	4.90	20.70	20.22	19.83	20.01	19.87	1.80	20.70
		1	74	19.90	19.91	19.97	19.81	4.90	20.70	20.30	19.97	20.06	19.89	1.80	20.70
		36	0	19.98	19.94	19.99	19.92	4.90	20.70	20.20	20.21	20.30	20.21	1.80	20.70
		36	20	19.96	19.99	19.99	19.88	4.90	20.70	20.16	20.25	20.26	20.17	1.80	20.70
		36	39	19.96	19.96	20.02	19.90	4.90	20.70	20.16	20.24	20.32	20.17	1.80	20.70
		75	0	19.93	19.95	19.93	19.82	4.90	20.70	20.20	20.24	20.24	20.10	1.80	20.70

Notes:

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

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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	55757	56223	56690	MPR	Tune-up Limit	55290	55757	56223	56690	MPR	Tune-up Limit
				3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz			3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz		
10 MHz	QPSK	1	0	24.81	24.88	25.01	24.97	0.00	25.60	21.65	21.64	21.78	21.68	0.00	22.50
		1	25	24.75	24.88	24.98	24.87	0.00	25.60	21.57	21.59	21.69	21.58	0.00	22.50
		1	49	24.82	24.89	25.00	24.89	0.00	25.60	21.64	21.65	21.76	21.60	0.00	22.50
		25	0	24.17	24.23	24.25	24.18	0.90	24.70	21.77	21.75	21.80	21.71	0.00	22.50
		25	12	24.18	24.23	24.28	24.19	0.90	24.70	21.78	21.80	21.81	21.70	0.00	22.50
		25	25	24.13	24.20	24.34	24.21	0.90	24.70	21.75	21.76	21.86	21.72	0.00	22.50
		50	0	24.16	24.19	24.24	24.16	0.90	24.70	21.75	21.78	21.82	21.69	0.00	22.50
	16QAM	1	0	24.11	24.27	24.37	24.34	0.90	24.70	21.53	21.60	21.69	21.61	0.00	22.50
		1	25	24.03	24.21	24.31	24.25	0.90	24.70	21.45	21.50	21.64	21.49	0.00	22.50
		1	49	24.12	24.26	24.38	24.27	0.90	24.70	21.55	21.61	21.69	21.55	0.00	22.50
		25	0	23.17	23.26	23.27	23.22	1.90	23.70	21.50	21.54	21.57	21.45	0.00	22.50
		25	12	23.18	23.28	23.31	23.24	1.90	23.70	21.51	21.60	21.57	21.44	0.00	22.50
		25	25	23.16	23.26	23.32	23.24	1.90	23.70	21.47	21.56	21.61	21.47	0.00	22.50
		50	0	23.16	23.26	23.27	23.19	1.90	23.70	21.49	21.57	21.58	21.42	0.00	22.50
	64QAM	1	0	23.37	23.40	23.38	23.40	1.90	23.70	21.55	21.53	21.68	21.38	0.00	22.50
		1	25	23.34	23.37	23.40	23.33	1.90	23.70	21.52	21.55	21.63	21.37	0.00	22.50
		1	49	23.40	23.40	23.39	23.37	1.90	23.70	21.57	21.59	21.69	21.39	0.00	22.50
		25	0	22.17	22.20	22.24	22.13	2.90	22.70	21.43	21.45	21.46	21.46	0.00	22.50
		25	12	22.22	22.26	22.26	22.15	2.90	22.70	21.44	21.45	21.46	21.47	0.00	22.50
		25	25	22.19	22.21	22.31	22.18	2.90	22.70	21.39	21.42	21.53	21.48	0.00	22.50
		50	0	22.18	22.21	22.17	22.08	2.90	22.70	21.46	21.48	21.52	21.39	0.00	22.50
	256QAM	1	0	19.92	19.90	20.02	19.94	4.90	20.70	20.10	20.11	20.21	20.31	1.80	20.70
		1	25	19.90	19.93	20.01	19.91	4.90	20.70	20.44	20.46	20.57	20.59	1.80	20.70
		1	49	19.97	19.97	20.08	19.93	4.90	20.70	20.42	20.43	20.56	20.61	1.80	20.70
		25	0	19.96	20.00	20.04	19.89	4.90	20.70	20.48	20.51	20.53	20.42	1.80	20.70
		25	12	19.96	19.99	20.00	19.90	4.90	20.70	20.49	20.52	20.54	20.43	1.80	20.70
		25	25	19.98	19.98	20.09	19.90	4.90	20.70	20.48	20.49	20.57	20.46	1.80	20.70
		50	0	19.88	19.92	19.91	19.80	4.90	20.70	20.47	20.51	20.52	20.44	1.80	20.70
BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55265	55748	56232	56715	MPR	Tune-up Limit	55265	55748	56232	56715	MPR	Tune-up Limit
				3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz			3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz		
5 MHz	QPSK	1	0	24.79	24.89	24.98	24.89	0.00	25.60	21.65	21.74	21.76	21.67	0.00	22.50
		1	12	24.75	24.79	24.94	24.82	0.00	25.60	21.63	21.57	21.71	21.59	0.00	22.50
		1	24	24.86	24.88	25.00	24.92	0.00	25.60	21.73	21.72	21.85	21.63	0.00	22.50
		12	0	24.07	24.06	24.12	24.15	0.90	24.70	21.77	21.74	21.78	21.77	0.00	22.50
		12	7	24.04	24.11	24.20	24.10	0.90	24.70	21.81	21.78	21.88	21.76	0.00	22.50
		12	13	24.01	24.07	24.19	24.06	0.90	24.70	21.78	21.74	21.87	21.72	0.00	22.50
		25	0	24.01	24.04	24.17	24.08	0.90	24.70	21.76	21.74	21.85	21.72	0.00	22.50
	16QAM	1	0	24.03	24.12	24.22	24.18	0.90	24.70	21.52	21.54	21.62	21.53	0.00	22.50
		1	12	24.15	24.22	24.30	24.27	0.90	24.70	21.65	21.66	21.70	21.61	0.00	22.50
		1	24	24.11	24.16	24.28	24.20	0.90	24.70	21.57	21.57	21.68	21.50	0.00	22.50
		12	0	23.13	23.16	23.21	23.18	1.90	23.70	21.52	21.57	21.60	21.52	0.00	22.50
		12	7	23.10	23.11	23.30	23.16	1.90	23.70	21.51	21.52	21.65	21.51	0.00	22.50
		12	13	23.11	23.16	23.27	23.20	1.90	23.70	21.54	21.54	21.65	21.51	0.00	22.50
		25	0	23.04	23.09	23.21	23.10	1.90	23.70	21.47	21.48	21.57	21.42	0.00	22.50
	64QAM	1	0	23.13	22.84	23.30	23.27	1.90	23.70	21.51	21.60	21.56	21.61	0.00	22.50
		1	12	23.06	22.77	23.25	23.26	1.90	23.70	21.48	21.59	21.57	21.46	0.00	22.50
		1	24	23.14	22.82	23.25	23.23	1.90	23.70	21.56	21.59	21.64	21.55	0.00	22.50
		12	0	21.90	22.10	22.25	22.20	2.90	22.70	21.35	21.35	21.39	21.30	0.00	22.50
		12	7	21.95	22.09	22.30	22.17	2.90	22.70	21.38	21.34	21.47	21.35	0.00	22.50
		12	13	21.95	22.10	22.30	22.18	2.90	22.70	21.35	21.31	21.43	21.30	0.00	22.50
		25	0	21.97	22.13	22.16	22.02	2.90	22.70	21.30	21.31	21.43	21.28	0.00	22.50
	256QAM	1	0	20.05	20.22	20.23	20.19	4.90	20.70	20.43	20.50	20.55	20.52	1.80	20.70
		1	12	20.20	20.23	20.24	20.12	4.90	20.70	20.59	20.59	20.70	20.58	1.80	20.70
		1	24	20.13	20.27	20.28	20.12	4.90	20.70	20.50	20.54	20.64	20.48	1.80	20.70
		12	0	20.06	20.08	20.12	20.10	4.90	20.70	20.36	20.40	20.44	20.45	1.80	20.70
		12	7	20.11	20.08	20.25	20.11	4.90	20.70	20.48	20.50	20.61	20.45	1.80	20.70
		12	13	20.07	20.10	20.23	20.07	4.90	20.70	20.49	20.46	20.55	20.47	1.80	20.70
		25	0	20.08	20.07	20.21	20.04	4.90	20.70	20.43	20.45	20.57	20.42	1.80	20.70

Notes:

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

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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	22.15	22.23	22.25	22.08	0.00	23.00	22.15	22.23	22.25	22.08	0.00	23.00
		1	49	22.20	22.25	22.30	22.20	0.00	23.00	22.20	22.25	22.30	22.20	0.00	23.00
		1	99	22.08	22.20	22.20	22.00	0.00	23.00	22.08	22.20	22.20	22.00	0.00	23.00
		50	0	21.17	21.20	21.19	21.07	1.00	22.00	21.17	21.20	21.19	21.07	1.00	22.00
		50	24	21.20	21.28	21.28	21.10	1.00	22.00	21.20	21.28	21.28	21.10	1.00	22.00
		50	50	21.12	21.26	21.24	21.08	1.00	22.00	21.12	21.26	21.24	21.08	1.00	22.00
		100	0	21.14	21.28	21.29	21.03	1.00	22.00	21.14	21.28	21.29	21.03	1.00	22.00
	16QAM	1	0	21.70	21.63	21.37	21.79	1.00	22.00	21.70	21.63	21.37	21.79	1.00	22.00
		1	49	21.67	21.51	21.27	21.56	1.00	22.00	21.67	21.51	21.27	21.56	1.00	22.00
		1	99	21.70	21.62	21.50	21.61	1.00	22.00	21.70	21.62	21.50	21.61	1.00	22.00
		50	0	20.70	20.77	20.73	20.62	2.00	21.00	20.70	20.77	20.73	20.62	2.00	21.00
		50	24	20.70	20.79	20.77	20.58	2.00	21.00	20.70	20.79	20.77	20.58	2.00	21.00
		50	50	20.66	20.74	20.78	20.61	2.00	21.00	20.66	20.74	20.78	20.61	2.00	21.00
		100	0	20.62	20.77	20.76	20.53	2.00	21.00	20.62	20.77	20.76	20.53	2.00	21.00
	64QAM	1	0	20.57	20.92	20.57	20.58	2.00	21.00	20.57	20.92	20.57	20.58	2.00	21.00
		1	49	20.61	20.92	20.56	20.61	2.00	21.00	20.61	20.92	20.56	20.61	2.00	21.00
		1	99	20.69	20.94	20.58	20.60	2.00	21.00	20.69	20.94	20.58	20.60	2.00	21.00
		50	0	19.65	19.92	19.60	19.63	3.00	20.00	19.65	19.92	19.60	19.63	3.00	20.00
		50	24	19.70	19.92	19.55	19.63	3.00	20.00	19.70	19.92	19.55	19.63	3.00	20.00
		50	50	19.70	19.94	19.62	19.59	3.00	20.00	19.70	19.94	19.62	19.59	3.00	20.00
		100	0	19.69	19.94	19.61	19.60	3.00	20.00	19.69	19.94	19.61	19.60	3.00	20.00
	256QAM	1	0	17.69	17.82	17.74	17.86	5.00	18.00	17.69	17.82	17.74	17.86	5.00	18.00
		1	49	17.63	17.77	17.67	17.79	5.00	18.00	17.63	17.77	17.67	17.79	5.00	18.00
		1	99	17.70	17.83	17.72	17.77	5.00	18.00	17.70	17.83	17.72	17.77	5.00	18.00
		50	0	17.44	17.83	17.70	17.59	5.00	18.00	17.44	17.83	17.70	17.59	5.00	18.00
		50	24	17.43	17.86	17.79	17.56	5.00	18.00	17.43	17.86	17.79	17.56	5.00	18.00
		50	50	17.43	17.81	17.75	17.58	5.00	18.00	17.43	17.81	17.75	17.58	5.00	18.00
		100	0	17.43	17.83	17.79	17.51	5.00	18.00	17.43	17.83	17.79	17.51	5.00	18.00

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55315	55765	56215	56665	MPR	Tune-up Limit	55315	55765	56215	56665	MPR	Tune-up Limit
				3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz			3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz		
15 MHz	QPSK	1	0	22.06	22.09	22.12	22.00	0.00	23.00	22.06	22.09	22.12	22.00	0.00	23.00
		1	37	22.00	22.04	22.03	22.90	0.00	23.00	22.00	22.04	22.03	22.90	0.00	23.00
		1	74	22.10	22.16	22.17	22.98	0.00	23.00	22.10	22.16	22.17	22.98	0.00	23.00
		36	0	21.15	21.31	21.20	21.07	1.00	22.00	21.15	21.31	21.20	21.07	1.00	22.00
		36	20	21.14	21.32	21.19	21.04	1.00	22.00	21.14	21.32	21.19	21.04	1.00	22.00
		36	39	21.12	21.26	21.23	21.07	1.00	22.00	21.12	21.26	21.23	21.07	1.00	22.00
		75	0	21.13	21.25	21.18	21.00	1.00	22.00	21.13	21.25	21.18	21.00	1.00	22.00
	16QAM	1	0	21.33	21.20	21.13	21.08	1.00	22.00	21.33	21.20	21.13	21.08	1.00	22.00
		1	37	21.33	21.16	21.13	21.03	1.00	22.00	21.33	21.16	21.13	21.03	1.00	22.00
		1	74	21.15	21.20	21.21	21.10	1.00	22.00	21.15	21.20	21.21	21.10	1.00	22.00
		36	0	20.21	20.30	20.16	20.09	2.00	21.00	20.21	20.30	20.16	20.09	2.00	21.00
		36	20	20.17	20.28	20.17	20.05	2.00	21.00	20.17	20.28	20.17	20.05	2.00	21.00
		36	39	20.12	20.26	20.22	20.09	2.00	21.00	20.12	20.26	20.22	20.09	2.00	21.00
		75	0	20.14	20.27	20.18	20.05	2.00	21.00	20.14	20.27	20.18	20.05	2.00	21.00
	64QAM	1	0	20.06	20.01	20.27	20.09	2.00	21.00	20.06	20.01	20.27	20.09	2.00	21.00
		1	37	20.04	20.06	20.27	20.12	2.00	21.00	20.04	20.06	20.27	20.12	2.00	21.00
		1	74	20.17	20.03	20.25	20.08	2.00	21.00	20.17	20.03	20.25	20.08	2.00	21.00
		36	0	19.16	19.94	19.99	20.00	3.00	20.00	19.16	19.94	19.99	20.00	3.00	20.00
		36	20	19.14	19.92	19.98	19.99	3.00	20.00	19.14	19.92	19.98	19.99	3.00	20.00
		36	39	19.12	19.92	19.98	19.98	3.00	20.00	19.12	19.92	19.98	19.98	3.00	20.00
		75	0	19.22	19.94	19.98	20.00	3.00	20.00	19.22	19.94	19.98	20.00	3.00	20.00
	256QAM	1	0	17.20	17.26	17.84	17.08	5.00	18.00	17.20	17.26	17.84	17.08	5.00	18.00
		1	37	17.20	17.26	17.86	17.07	5.00	18.00	17.20	17.26	17.86	17.07	5.00	18.00
		1	74	17.29	17.41	17.95	17.13	5.00	18.00	17.29	17.41	17.95	17.13	5.00	18.00
		36	0	17.21	17.33	17.19	17.03	5.00	18.00	17.21	17.33	17.19	17.03	5.00	18.00
		36	20	17.19	17.32	17.18	17.00	5.00	18.00	17.19	17.32	17.18	17.00	5.00	18.00
		36	39	17.17	17.30	17.24	17.01	5.00	18.00	17.17	17.30	17.24	17.01	5.00	18.00
		75	0	17.23	17.33	17.17	17.02	5.00	18.00	17.23	17.33	17.17	17.02	5.00	18.00

Notes:

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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	22.12	22.15	22.11	22.06	0.00	23.00	22.12	22.15	22.11	22.06	0.00	23.00
		1	25	22.03	22.05	22.06	22.03	0.00	23.00	22.03	22.05	22.06	22.03	0.00	23.00
		1	49	22.07	22.17	22.14	22.04	0.00	23.00	22.07	22.17	22.14	22.04	0.00	23.00
		25	0	21.18	21.34	21.21	21.02	1.00	22.00	21.18	21.34	21.21	21.02	1.00	22.00
		25	12	21.21	21.37	21.22	21.06	1.00	22.00	21.21	21.37	21.22	21.06	1.00	22.00
		25	25	21.18	21.32	21.27	21.07	1.00	22.00	21.18	21.32	21.27	21.07	1.00	22.00
		50	0	21.19	21.33	21.19	21.01	1.00	22.00	21.19	21.33	21.19	21.01	1.00	22.00
	16QAM	1	0	21.24	21.23	21.28	21.18	1.00	22.00	21.24	21.23	21.28	21.18	1.00	22.00
		1	25	21.23	21.14	21.21	21.07	1.00	22.00	21.23	21.14	21.21	21.07	1.00	22.00
		1	49	21.30	21.21	21.21	21.15	1.00	22.00	21.30	21.21	21.21	21.15	1.00	22.00
		25	0	20.23	20.33	20.20	20.06	2.00	21.00	20.23	20.33	20.20	20.06	2.00	21.00
		25	12	20.23	20.32	20.24	20.07	2.00	21.00	20.23	20.32	20.24	20.07	2.00	21.00
		25	25	20.20	20.33	20.30	20.12	2.00	21.00	20.20	20.33	20.30	20.12	2.00	21.00
		50	0	20.21	20.31	20.21	20.07	2.00	21.00	20.21	20.31	20.21	20.07	2.00	21.00
	64QAM	1	0	20.34	20.28	20.32	20.29	2.00	21.00	20.34	20.28	20.32	20.29	2.00	21.00
		1	25	20.24	20.27	20.40	20.37	2.00	21.00	20.24	20.27	20.40	20.37	2.00	21.00
		1	49	20.31	20.28	20.42	20.39	2.00	21.00	20.31	20.28	20.42	20.39	2.00	21.00
		25	0	19.11	19.98	19.98	19.76	3.00	20.00	19.11	19.98	19.98	19.76	3.00	20.00
		25	12	19.17	19.98	19.98	19.74	3.00	20.00	19.17	19.98	19.98	19.74	3.00	20.00
		25	25	19.09	19.98	20.00	19.76	3.00	20.00	19.09	19.98	20.00	19.76	3.00	20.00
		50	0	19.17	19.99	19.99	19.75	3.00	20.00	19.17	19.99	19.99	19.75	3.00	20.00
	256QAM	1	0	17.17	17.35	17.03	17.08	5.00	18.00	17.17	17.35	17.03	17.08	5.00	18.00
		1	25	17.14	17.39	17.04	17.03	5.00	18.00	17.14	17.39	17.04	17.03	5.00	18.00
		1	49	17.15	17.44	17.09	17.08	5.00	18.00	17.15	17.44	17.09	17.08	5.00	18.00
		25	0	17.19	17.32	17.21	17.08	5.00	18.00	17.19	17.32	17.21	17.08	5.00	18.00
		25	12	17.22	17.35	17.24	17.01	5.00	18.00	17.22	17.35	17.24	17.01	5.00	18.00
		25	25	17.20	17.28	17.27	17.04	5.00	18.00	17.20	17.28	17.27	17.04	5.00	18.00
		50	0	17.23	17.37	17.14	17.00	5.00	18.00	17.23	17.37	17.14	17.00	5.00	18.00

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55265	55748	56232	56715	MPR	Tune-up Limit	55265	55748	56232	56715	MPR	Tune-up Limit
				3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz			3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz		
5 MHz	QPSK	1	0	22.11	22.23	22.05	22.03	0.00	23.00	22.11	22.23	22.05	22.03	0.00	23.00
		1	12	22.00	22.17	22.01	21.88	0.00	23.00	22.00	22.17	22.01	21.88	0.00	23.00
		1	24	22.10	22.22	22.06	21.98	0.00	23.00	22.10	22.22	22.06	21.98	0.00	23.00
		12	0	21.18	21.33	21.14	21.11	1.00	22.00	21.18	21.33	21.14	21.11	1.00	22.00
		12	7	21.18	21.37	21.23	21.10	1.00	22.00	21.18	21.37	21.23	21.10	1.00	22.00
		12	13	21.16	21.33	21.23	21.05	1.00	22.00	21.16	21.33	21.23	21.05	1.00	22.00
		25	0	21.18	21.30	21.22	21.07	1.00	22.00	21.18	21.30	21.22	21.07	1.00	22.00
	16QAM	1	0	21.09	21.38	21.10	21.02	1.00	22.00	21.09	21.38	21.10	21.02	1.00	22.00
		1	12	21.09	21.49	21.24	21.00	1.00	22.00	21.09	21.49	21.24	21.00	1.00	22.00
		1	24	21.08	21.43	21.09	21.08	1.00	22.00	21.08	21.43	21.09	21.08	1.00	22.00
		12	0	20.14	20.40	20.17	20.03	2.00	21.00	20.14	20.40	20.17	20.03	2.00	21.00
		12	7	20.14	20.38	20.27	20.03	2.00	21.00	20.14	20.38	20.27	20.03	2.00	21.00
		12	13	20.10	20.40	20.21	20.02	2.00	21.00	20.10	20.40	20.21	20.02	2.00	21.00
		25	0	20.21	20.33	20.25	20.10	2.00	21.00	20.21	20.33	20.25	20.10	2.00	21.00
	64QAM	1	0	20.00	20.56	20.38	20.90	2.00	21.00	20.00	20.56	20.38	20.90	2.00	21.00
		1	12	20.00	20.56	20.37	20.81	2.00	21.00	20.00	20.56	20.37	20.81	2.00	21.00
		1	24	20.00	20.55	20.37	20.89	2.00	21.00	20.00	20.55	20.37	20.89	2.00	21.00
		12	0	19.25	19.56	19.37	19.90	3.00	20.00	19.25	19.56	19.37	19.90	3.00	20.00
		12	7	19.20	19.54	19.38	19.89	3.00	20.00	19.20	19.54	19.38	19.89	3.00	20.00
		12	13	19.17	19.56	19.37	19.91	3.00	20.00	19.17	19.56	19.37	19.91	3.00	20.00
		25	0	19.23	19.57	19.38	19.91	3.00	20.00	19.23	19.57	19.38	19.91	3.00	20.00
	256QAM	1	0	17.51	17.41	17.22	17.36	5.00	18.00	17.51	17.41	17.22	17.36	5.00	18.00
		1	12	17.45	17.32	17.37	17.33	5.00	18.00	17.45	17.32	17.37	17.33	5.00	18.00
		1	24	17.52	17.35	17.30	17.40	5.00	18.00	17.52	17.35	17.30	17.40	5.00	18.00
		12	0	17.16	17.28	17.11	17.00	5.00	18.00	17.16	17.28	17.11	17.00	5.00	18.00
		12	7	17.18	17.33	17.22	17.03	5.00	18.00	17.18	17.33	17.22	17.03	5.00	18.00
		12	13	17.20	17.29	17.21	17.02	5.00	18.00	17.20	17.29	17.21	17.02	5.00	18.00
		25	0	17.16	17.26	17.18	17.01	5.00	18.00	17.16	17.26	17.18	17.01	5.00	18.00

Notes:

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

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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	3603.3 MHz	3646.7 MHz	3690 MHz			3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz		
20 MHz	QPSK	1	0	24.66	24.55	24.62	24.66	0.00	25.20	23.69	23.51	23.68	23.50	0.00	24.50
		1	49	24.58	24.47	24.66	24.50	0.00	25.20	23.73	23.54	23.73	23.57	0.00	24.50
		1	99	24.64	24.52	24.61	24.50	0.00	25.20	23.65	23.52	23.70	23.53	0.00	24.50
		50	0	24.16	24.14	24.13	24.13	0.50	24.70	23.68	23.73	23.71	23.64	0.00	24.50
		50	24	24.22	24.15	24.25	24.18	0.50	24.70	23.73	23.75	23.75	23.71	0.00	24.50
		50	50	24.20	24.11	24.20	24.11	0.50	24.70	23.73	23.69	23.75	23.69	0.00	24.50
		100	0	24.22	24.14	24.20	24.17	0.50	24.70	23.73	23.71	23.75	23.70	0.00	24.50
	16QAM	1	0	24.35	24.11	24.17	24.19	0.50	24.70	23.81	23.50	23.55	23.50	0.00	24.50
		1	49	24.19	24.02	24.07	24.02	0.50	24.70	23.78	23.50	23.56	23.53	0.00	24.50
		1	99	24.27	24.08	24.17	24.04	0.50	24.70	23.83	23.57	23.62	23.50	0.00	24.50
		50	0	23.19	23.14	23.12	23.12	1.50	23.70	23.40	23.38	23.36	23.37	0.30	24.20
		50	24	23.26	23.13	23.20	23.18	1.50	23.70	23.51	23.37	23.41	23.37	0.30	24.20
		50	50	23.24	23.12	23.19	23.13	1.50	23.70	23.47	23.37	23.40	23.38	0.30	24.20
		100	0	23.22	23.14	23.20	23.16	1.50	23.70	23.45	23.35	23.40	23.38	0.30	24.20
	64QAM	1	0	23.21	23.50	23.26	23.58	1.50	23.70	23.60	23.67	23.84	23.51	0.30	24.20
		1	49	23.16	23.45	23.21	23.46	1.50	23.70	23.77	23.59	23.84	23.50	0.30	24.20
		1	99	23.23	23.52	23.29	23.49	1.50	23.70	23.87	23.68	23.83	23.56	0.30	24.20
		50	0	22.23	22.25	22.24	22.20	2.50	22.70	22.70	22.45	22.80	22.80	1.30	23.20
		50	24	22.32	22.24	22.33	22.26	2.50	22.70	22.79	22.45	22.51	22.51	1.30	23.20
		50	50	22.28	22.20	22.30	22.22	2.50	22.70	22.76	22.40	22.80	22.50	1.30	23.20
		100	0	22.29	22.21	22.30	22.22	2.50	22.70	22.79	22.39	22.30	22.54	1.30	23.20
	256QAM	1	0	20.58	20.22	20.55	20.30	4.50	20.70	21.06	20.43	20.73	20.67	3.30	21.20
		1	49	20.52	20.16	20.51	20.20	4.50	20.70	20.95	20.40	20.69	20.59	3.30	21.20
		1	99	20.58	20.24	20.56	20.21	4.50	20.70	21.03	20.44	20.71	20.61	3.30	21.20
		50	0	20.24	20.24	20.23	20.19	4.50	20.70	20.72	20.44	20.66	20.61	3.30	21.20
		50	24	20.31	20.25	20.29	20.25	4.50	20.70	20.74	20.40	20.71	20.68	3.30	21.20
		50	50	20.27	20.20	20.30	20.17	4.50	20.70	20.73	20.39	20.68	20.62	3.30	21.20
		100	0	20.30	20.23	20.28	20.23	4.50	20.70	20.72	20.42	20.72	20.68	3.30	21.20
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	24.58	24.48	24.50	24.52	0.00	25.20	23.60	23.60	23.55	23.55	0.00	24.50
		1	37	24.52	24.44	24.50	24.48	0.00	25.20	23.56	23.50	23.56	23.50	0.00	24.50
		1	74	24.63	24.54	24.60	24.52	0.00	25.20	23.68	23.60	23.67	23.58	0.00	24.50
		36	0	24.21	24.13	24.11	24.11	0.50	24.70	23.73	23.71	23.68	23.67	0.00	24.50
		36	20	24.22	24.13	24.10	24.08	0.50	24.70	23.71	23.69	23.79	23.62	0.00	24.50
		36	39	24.18	24.09	24.15	24.12	0.50	24.70	23.67	23.68	23.74	23.68	0.00	24.50
		75	0	24.18	24.12	24.09	24.06	0.50	24.70	23.66	23.69	23.75	23.60	0.00	24.50
	16QAM	1	0	24.18	24.02	24.07	24.07	0.50	24.70	23.69	23.52	23.58	23.59	0.00	24.50
		1	37	24.17	24.00	24.05	24.02	0.50	24.70	23.91	23.52	23.57	23.55	0.00	24.50
		1	74	24.23	24.07	24.14	24.06	0.50	24.70	23.76	23.59	23.65	23.63	0.00	24.50
		36	0	23.28	23.16	23.12	23.11	1.50	23.70	23.45	23.38	23.36	23.28	0.30	24.20
		36	20	23.25	23.13	23.11	23.08	1.50	23.70	23.42	23.39	23.43	23.28	0.30	24.20
		36	39	23.22	23.08	23.13	23.09	1.50	23.70	23.41	23.31	23.37	23.29	0.30	24.20
		75	0	23.20	23.13	23.10	23.07	1.50	23.70	23.44	23.36	23.43	23.30	0.30	24.20
	64QAM	1	0	22.92	22.81	22.99	23.06	1.50	23.70	23.61	23.30	23.42	23.70	0.30	24.20
		1	37	22.96	22.81	22.98	22.99	1.50	23.70	23.61	23.30	23.45	23.72	0.30	24.20
		1	74	23.08	22.71	23.11	23.09	1.50	23.70	23.72	23.20	23.44	23.71	0.30	24.20
		36	0	22.20	22.23	22.13	22.16	2.50	22.70	22.72	22.40	22.42	22.71	1.30	23.20
		36	20	22.18	22.21	22.10	22.12	2.50	22.70	22.68	22.37	22.39	22.70	1.30	23.20
		36	39	22.16	22.20	22.17	22.16	2.50	22.70	22.66	22.34	22.39	22.71	1.30	23.20
		75	0	22.25	22.16	22.16	22.16	2.50	22.70	22.74	22.42	22.41	22.71	1.30	23.20
	256QAM	1	0	20.23	20.16	20.21	20.24	4.50	20.70	20.73	20.39	20.65	20.26	3.30	21.20
		1	37	20.26	20.13	20.23	20.22	4.50	20.70	20.70	20.38	20.63	20.29	3.30	21.20
		1	74	20.33	20.25	20.36	20.30	4.50	20.70	20.82	20.49	20.75	20.35	3.30	21.20
		36	0	20.24	20.23	20.15	20.17	4.50	20.70	20.70	20.37	20.61	20.60	3.30	21.20
		36	20	20.23	20.20	20.12	20.11	4.50	20.70	20.67	20.36	20.72	20.58	3.30	21.20
		36	39	20.18	20.18	20.19	20.16	4.50	20.70	20.67	20.35	20.67	20.60	3.30	21.20
		75	0	20.25	20.21	20.19	20.15	4.50	20.70	20.74	20.41	20.72	20.54	3.30	21.20

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	24.60	24.48	24.56	24.61	0.00	25.20	23.65	23.54	23.61	23.58	0.00	24.50
		1	25	24.56	24.42	24.53	24.46	0.00	25.20	23.60	23.50	23.55	23.50	0.00	24.50
		1	49	24.58	24.49	24.58	24.51	0.00	25.20	23.66	23.57	23.60	23.54	0.00	24.50
		25	0	24.21	24.14	24.15	24.13	0.50	24.70	23.73	23.72	23.69	23.62	0.00	24.50
		25	12	24.23	24.17	24.26	24.23	0.50	24.70	23.77	23.75	23.71	23.63	0.00	24.50
		25	25	24.19	24.14	24.24	24.17	0.50	24.70	23.76	23.69	23.79	23.69	0.00	24.50
		50	0	24.19	24.14	24.22	24.09	0.50	24.70	23.74	23.70	23.68	23.61	0.00	24.50
	16QAM	1	0	24.26	24.09	24.17	24.15	0.50	24.70	23.87	23.55	23.66	23.69	0.00	24.50
		1	25	24.19	24.00	24.08	24.07	0.50	24.70	23.78	23.50	23.59	23.54	0.00	24.50
		1	49	24.28	24.09	24.17	24.09	0.50	24.70	23.81	23.60	23.67	23.57	0.00	24.50
		25	0	23.22	23.17	23.17	23.16	1.50	23.70	23.45	23.37	23.37	23.34	0.30	24.20
		25	12	23.28	23.14	23.25	23.20	1.50	23.70	23.48	23.39	23.37	23.35	0.30	24.20
		25	25	23.25	23.13	23.24	23.17	1.50	23.70	23.46	23.34	23.43	23.40	0.30	24.20
		50	0	23.25	23.15	23.23	23.10	1.50	23.70	23.47	23.35	23.34	23.32	0.30	24.20
	64QAM	1	0	23.45	23.19	22.76	23.30	1.50	23.70	23.78	23.46	23.57	23.76	0.30	24.20
		1	25	23.41	23.20	22.73	23.29	1.50	23.70	23.78	23.43	23.67	23.75	0.30	24.20
		1	49	23.50	23.28	22.80	23.33	1.50	23.70	23.88	23.50	23.69	23.74	0.30	24.20
		25	0	22.22	22.08	22.21	22.12	2.50	22.70	22.60	22.27	22.67	22.74	1.30	23.20
		25	12	22.25	22.11	22.31	22.16	2.50	22.70	22.61	22.33	22.67	22.75	1.30	23.20
		25	25	22.22	22.12	22.27	22.15	2.50	22.70	22.59	22.26	22.67	22.74	1.30	23.20
		50	0	22.21	22.16	22.25	22.16	2.50	22.70	22.71	22.36	22.67	22.75	1.30	23.20
	256QAM	1	0	19.93	20.07	20.33	20.19	4.50	20.70	20.65	20.31	20.74	20.37	3.30	21.20
		1	25	19.92	20.13	20.38	20.20	4.50	20.70	20.69	20.39	20.80	20.36	3.30	21.20
		1	49	19.96	20.09	20.39	20.15	4.50	20.70	20.67	20.35	20.86	20.40	3.30	21.20
		25	0	20.29	20.16	20.17	20.17	4.50	20.70	20.75	20.41	20.66	20.65	3.30	21.20
		25	12	20.33	20.20	20.27	20.22	4.50	20.70	20.76	20.47	20.67	20.65	3.30	21.20
		25	25	20.31	20.16	20.24	20.20	4.50	20.70	20.72	20.41	20.73	20.71	3.30	21.20
		50	0	20.22	20.19	20.32	20.18	4.50	20.70	20.74	20.42	20.71	20.54	3.30	21.20

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	24.60	24.41	24.48	24.47	0.00	25.20	23.62	23.59	23.57	23.64	0.00	24.50
		1	12	24.52	24.41	24.47	24.38	0.00	25.20	23.52	23.51	23.54	23.50	0.00	24.50
		1	24	24.63	24.44	24.57	24.44	0.00	25.20	23.61	23.53	23.56	23.60	0.00	24.50
		12	0	24.19	24.14	24.09	24.14	0.50	24.70	23.69	23.66	23.61	23.69	0.00	24.50
		12	7	24.22	24.10	24.10	24.10	0.50	24.70	23.72	23.64	23.72	23.67	0.00	24.50
		12	13	24.19	24.08	24.17	24.10	0.50	24.70	23.67	23.65	23.71	23.67	0.00	24.50
		25	0	24.16	24.08	24.08	24.09	0.50	24.70	23.69	23.68	23.61	23.66	0.00	24.50
	16QAM	1	0	24.26	23.96	24.04	24.02	0.50	24.70	23.76	23.53	23.56	23.62	0.00	24.50
		1	12	24.32	24.06	24.16	24.07	0.50	24.70	23.89	23.52	23.74	23.59	0.00	24.50
		1	24	24.29	23.98	24.06	23.98	0.50	24.70	23.80	23.55	23.57	23.57	0.00	24.50
		12	0	23.32	23.10	23.10	23.09	1.50	23.70	23.46	23.33	23.31	23.31	0.30	24.20
		12	7	23.24	23.13	23.13	23.14	1.50	23.70	23.44	23.31	23.41	23.31	0.30	24.20
		12	13	23.31	23.11	23.20	23.09	1.50	23.70	23.48	23.33	23.39	23.30	0.30	24.20
		25	0	23.20	23.10	23.11	23.10	1.50	23.70	23.38	23.35	23.31	23.40	0.30	24.20
	64QAM	1	0	23.32	23.48	22.89	22.89	1.50	23.70	23.40	23.45	23.89	23.95	0.30	24.20
		1	12	23.19	23.55	22.91	22.79	1.50	23.70	23.37	23.39	23.87	24.03	0.30	24.20
		1	24	23.28	23.55	22.96	22.87	1.50	23.70	23.41	23.43	23.86	24.00	0.30	24.20
		12	0	22.07	22.24	22.10	22.14	2.50	22.70	22.69	22.30	22.87	22.80	1.30	23.20
		12	7	22.09	22.21	22.14	22.10	2.50	22.70	22.69	22.25	22.87	22.99	1.30	23.20
		12	13	22.08	22.24	22.19	22.13	2.50	22.70	22.65	22.21	22.87	23.00	1.30	23.20
		25	0	22.03	22.06	22.14	22.17	2.50	22.70	22.69	22.20	22.87	22.99	1.30	23.20
	256QAM	1	0	20.27	20.13	20.46	20.47	4.50	20.70	21.00	20.43	20.70	20.73	3.30	21.20
		1	12	20.32	20.17	20.52	20.40	4.50	20.70	20.96	20.46	20.72	20.81	3.30	21.20
		1	24	20.26	20.19	20.58	20.47	4.50	20.70	21.06	20.44	20.75	20.72	3.30	21.20
		12	0	20.13	20.14	20.11	20.03	4.50	20.70	20.62	20.33	20.63	20.64	3.30	21.20
		12	7	20.16	20.16	20.07	20.15	4.50	20.70	20.70	20.35	20.75	20.62	3.30	21.20
		12	13	20.09	20.13	20.11	20.06	4.50	20.70	20.67	20.33	20.68	20.61	3.30	21.20
		25	0	20.18	20.07	20.11	20.09	4.50	20.70	20.67	20.31	20.56	20.59	3.30	21.20

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)					
				55340.00	55773.00	56207.00	56640.00	MPR	Tune-up Limit	55340.00	55773.00	56207.00	56640.00	MPR	Tune-up Limit
				3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz			3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz		
20 MHz	QPSK	1	0	20.20	20.16	20.40	20.15	0.00	21.30	21.80	21.82	21.82	21.72	0.00	22.30
		1	49	20.25	20.27	20.45	20.28	0.00	21.30	21.89	21.83	21.89	21.72	0.00	22.30
		1	99	20.21	20.15	20.44	20.21	0.00	21.30	21.85	21.78	21.71	21.56	0.00	22.30
		50	0	20.30	20.16	20.50	20.30	0.00	21.30	21.07	20.81	20.78	20.52	0.80	21.50
		50	24	20.40	20.25	20.54	20.37	0.00	21.30	20.87	20.88	20.85	20.57	0.80	21.50
		50	50	20.36	20.23	20.54	20.31	0.00	21.30	20.88	20.88	20.81	20.49	0.80	21.50
		100	0	20.38	20.25	20.50	20.36	0.00	21.30	20.78	20.81	20.82	20.55	0.80	21.50
	16QAM	1	0	20.17	19.85	20.45	20.01	0.00	21.30	20.80	20.39	20.69	20.23	0.80	21.50
		1	49	20.08	19.80	20.25	19.89	0.00	21.30	20.74	20.24	20.56	20.20	0.80	21.50
		1	99	20.21	19.83	20.26	20.00	0.00	21.30	20.81	20.31	20.60	20.01	0.80	21.50
		50	0	19.88	19.66	20.08	19.84	0.80	20.50	19.81	19.57	19.50	19.34	1.80	20.50
		50	24	19.95	19.73	20.02	19.83	0.80	20.50	19.80	19.56	19.58	19.31	1.80	20.50
		50	50	19.95	19.72	20.05	19.88	0.80	20.50	19.76	19.52	19.54	19.34	1.80	20.50
		100	0	19.91	19.74	20.00	19.82	0.80	20.50	19.75	19.55	19.55	19.27	1.80	20.50
	64QAM	1	0	19.99	19.83	19.39	20.02	0.80	20.50	19.77	19.82	19.47	19.48	1.80	20.50
		1	49	20.06	19.79	19.40	19.92	0.80	20.50	19.91	19.82	19.46	19.51	1.80	20.50
		1	99	20.07	19.77	19.40	19.99	0.80	20.50	20.01	19.84	19.48	19.50	1.80	20.50
		50	0	19.07	18.83	18.40	18.94	1.80	19.50	18.95	19.09	18.77	18.80	2.80	19.50
		50	24	19.07	18.89	18.42	18.94	1.80	19.50	18.90	19.09	18.72	18.80	2.80	19.50
		50	50	19.10	18.84	18.41	18.97	1.80	19.50	18.90	19.11	18.79	18.76	2.80	19.50
		100	0	19.00	18.90	18.41	18.91	1.80	19.50	18.89	19.11	18.78	18.77	2.80	19.50
	256QAM	1	0	16.91	17.11	16.21	17.20	3.80	17.50	17.17	16.72	16.64	16.76	4.80	17.50
		1	49	16.88	17.09	17.07	17.17	3.80	17.50	17.11	16.67	16.57	16.69	4.80	17.50
		1	99	16.99	17.13	17.10	17.20	3.80	17.50	17.18	16.73	16.62	16.67	4.80	17.50
		50	0	16.87	16.81	17.12	16.94	3.80	17.50	16.92	16.73	16.60	16.49	4.80	17.50
		50	24	16.96	16.86	17.06	16.88	3.80	17.50	16.91	16.76	16.69	16.46	4.80	17.50
		50	50	16.94	16.84	17.11	16.97	3.80	17.50	16.91	16.71	16.65	16.48	4.80	17.50
		100	0	16.93	16.86	17.06	16.90	3.80	17.50	16.91	16.73	16.69	16.41	4.80	17.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55315.00	55765.00	56215.00	56665.00	MPR	Tune-up Limit	55315.00	55765.00	56215.00	56665.00	MPR	Tune-up Limit
				3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz			3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz		
15 MHz	QPSK	1	0	19.94	19.90	20.29	19.99	0.00	21.30	21.60	21.34	21.39	21.22	0.00	22.30
		1	37	19.91	19.90	20.18	19.95	0.00	21.30	21.56	21.30	21.29	21.08	0.00	22.30
		1	74	20.01	19.90	20.22	19.99	0.00	21.30	21.63	21.44	21.39	21.21	0.00	22.30
		36	0	20.00	19.85	20.33	20.15	0.00	21.30	20.75	20.61	20.44	20.33	0.80	21.50
		36	20	20.07	19.94	20.36	20.12	0.00	21.30	20.72	20.56	20.46	20.29	0.80	21.50
		36	39	20.04	19.90	20.29	20.16	0.00	21.30	20.72	20.55	20.49	20.33	0.80	21.50
		75	0	20.05	19.92	20.34	20.09	0.00	21.30	20.70	20.58	20.40	20.29	0.80	21.50
	16QAM	1	0	20.09	19.80	20.40	20.05	0.00	21.30	20.88	20.43	20.41	20.32	0.80	21.50
		1	37	20.08	19.90	20.35	20.07	0.00	21.30	20.89	20.52	20.39	20.26	0.80	21.50
		1	74	20.13	19.86	20.40	20.06	0.00	21.30	20.96	20.47	20.44	20.32	0.80	21.50
		36	0	19.84	19.66	20.13	19.89	0.80	20.50	19.78	19.59	19.43	19.28	1.80	20.50
		36	20	19.91	19.75	20.12	19.87	0.80	20.50	19.77	19.57	19.42	19.24	1.80	20.50
		36	39	19.90	19.67	20.09	19.93	0.80	20.50	19.72	19.55	19.44	19.28	1.80	20.50
		75	0	19.88	19.72	20.14	19.88	0.80	20.50	19.73	19.57	19.41	19.27	1.80	20.50
	64QAM	1	0	19.65	19.51	19.90	19.81	0.80	20.50	19.76	19.41	19.67	19.49	1.80	20.50
		1	37	19.61	19.59	19.91	19.75	0.80	20.50	19.74	19.46	19.67	19.52	1.80	20.50
		1	74	19.61	19.67	19.93	19.86	0.80	20.50	19.87	19.43	19.65	19.48	1.80	20.50
		36	0	19.11	18.74	18.93	18.89	1.80	19.50	18.86	18.70	18.93	18.76	2.80	19.50
		36	20	19.19	18.81	18.92	18.87	1.80	19.50	18.84	18.68	18.92	18.75	2.80	19.50
		36	39	19.20	18.76	18.92	18.91	1.80	19.50	18.82	18.68	18.92	18.74	2.80	19.50
		75	0	19.20	18.82	18.91	18.91	1.80	19.50	18.92	18.70	18.92	18.77	2.80	19.50
	256QAM	1	0	16.86	16.83	17.13	17.05	3.80	17.50	16.90	16.66	16.24	16.48	4.80	17.50
		1	37	16.84	16.83	17.06	16.98	3.80	17.50	16.90	16.66	16.26	16.47	4.80	17.50
		1	74	16.98	16.87	17.15	17.06	3.80	17.50	16.99	16.81	16.35	16.53	4.80	17.50
		36	0	16.86	16.74	17.10	16.95	3.80	17.50	16.91	16.73	16.59	16.43	4.80	17.50
		36	20	16.91	16.79	17.15	16.90	3.80	17.50	16.89	16.72	16.58	16.40	4.80	17.50
		36	39	16.92	16.74	17.08	16.95	3.80	17.50	16.87	16.70	16.64	16.41	4.80	17.50
		75	0	16.94	16.81	17.12	16.94	3.80	17.50	16.93	16.73	16.57	16.42	4.80	17.50

Notes:

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

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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)					
				55290.00	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	19.88	19.88	20.23	19.98	0.00	21.30	21.67	21.40	21.43	21.14	0.00	22.30
		1	25	19.84	19.90	20.17	19.88	0.00	21.30	21.58	21.32	21.39	21.05	0.00	22.30
		1	49	19.94	19.80	20.18	20.01	0.00	21.30	21.63	21.41	21.39	21.19	0.00	22.30
		25	0	20.07	19.89	20.25	20.11	0.00	21.30	20.72	20.59	20.48	20.29	0.80	21.50
		25	12	20.06	19.99	20.30	20.12	0.00	21.30	20.75	20.60	20.46	20.27	0.80	21.50
		25	25	20.03	19.95	20.34	20.15	0.00	21.30	20.72	20.60	20.49	20.34	0.80	21.50
		50	0	20.03	19.97	20.27	20.06	0.00	21.30	20.74	20.60	20.46	20.25	0.80	21.50
	16QAM	1	0	20.04	20.05	20.40	20.05	0.00	21.30	20.88	20.49	20.67	20.38	0.80	21.50
		1	25	19.87	19.91	20.28	20.01	0.00	21.30	20.74	20.37	20.56	20.33	0.80	21.50
		1	49	20.06	20.07	20.41	20.05	0.00	21.30	20.85	20.46	20.56	20.37	0.80	21.50
		25	0	19.85	19.70	20.10	19.90	0.80	20.50	19.73	19.55	19.45	19.30	1.80	20.50
		25	12	19.86	19.80	20.09	19.87	0.80	20.50	19.77	19.58	19.48	19.33	1.80	20.50
		25	25	19.84	19.80	20.14	19.93	0.80	20.50	19.76	19.53	19.52	19.31	1.80	20.50
		50	0	19.86	19.78	20.09	19.83	0.80	20.50	19.77	19.57	19.45	19.29	1.80	20.50
	64QAM	1	0	19.74	19.87	19.98	20.06	0.80	20.50	20.04	19.68	19.72	19.15	1.80	20.50
		1	25	19.77	19.88	19.97	19.98	0.80	20.50	19.94	19.67	19.80	19.11	1.80	20.50
		1	49	19.73	19.90	19.95	20.01	0.80	20.50	20.01	19.68	19.82	19.15	1.80	20.50
		25	0	18.76	18.65	18.97	18.80	1.80	19.50	18.81	18.66	18.81	19.16	2.80	19.50
		25	12	18.77	18.71	18.99	18.80	1.80	19.50	18.87	18.66	18.81	19.14	2.80	19.50
		25	25	18.74	18.72	18.95	18.85	1.80	19.50	18.79	18.66	18.83	19.16	2.80	19.50
		50	0	18.75	18.79	18.96	18.86	1.80	19.50	18.87	18.67	18.82	19.15	2.80	19.50
	256QAM	1	0	16.95	16.77	17.20	16.92	3.80	17.50	16.87	16.75	16.33	16.38	4.80	17.50
		1	25	16.92	16.81	17.11	16.97	3.80	17.50	16.84	16.79	16.33	16.43	4.80	17.50
		1	49	17.00	16.86	17.19	16.85	3.80	17.50	16.85	16.84	16.39	16.38	4.80	17.50
		25	0	16.86	16.77	17.09	16.86	3.80	17.50	16.89	16.72	16.61	16.38	4.80	17.50
		25	12	16.94	16.83	17.11	16.91	3.80	17.50	16.92	16.75	16.64	16.41	4.80	17.50
		25	25	16.88	16.85	17.13	16.93	3.80	17.50	16.90	16.68	16.67	16.44	4.80	17.50
		50	0	16.96	16.85	17.16	16.90	3.80	17.50	16.93	16.77	16.54	16.40	4.80	17.50

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)						Power Mode B (dBm)					
				55265.00	55748.00	56232.00	56715.00	MPR	Tune-up Limit	55265.00	55748.00	56232.00	56715.00	MPR	Tune-up Limit
				3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz			3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz		
5 MHz	QPSK	1	0	19.90	19.90	20.25	20.00	0.00	21.30	21.62	21.51	21.31	21.24	0.00	22.30
		1	12	19.88	19.90	20.22	20.01	0.00	21.30	21.62	21.37	21.35	21.21	0.00	22.30
		1	24	19.96	19.90	20.25	20.04	0.00	21.30	21.59	21.47	21.37	21.20	0.00	22.30
		12	0	20.05	19.94	20.26	20.16	0.00	21.30	20.76	20.59	20.45	21.33	0.80	21.50
		12	7	20.07	19.96	20.27	20.16	0.00	21.30	20.79	20.56	20.51	21.34	0.80	21.50
		12	13	20.04	19.92	20.29	20.12	0.00	21.30	20.74	20.55	20.51	21.30	0.80	21.50
		25	0	20.03	19.92	20.23	20.16	0.00	21.30	20.76	20.59	20.51	20.29	0.80	21.50
	16QAM	1	0	20.05	19.90	20.40	20.06	0.00	21.30	20.64	20.50	20.39	20.40	0.80	21.50
		1	12	20.19	19.92	20.51	20.07	0.00	21.30	20.73	20.50	20.51	20.49	0.80	21.50
		1	24	20.09	19.90	20.40	20.00	0.00	21.30	20.65	20.46	20.39	20.39	0.80	21.50
		12	0	19.90	19.72	20.11	19.95	0.80	20.50	19.74	20.49	20.44	20.38	1.80	20.50
		12	7	19.85	19.73	20.09	19.96	0.80	20.50	19.79	20.25	20.21	20.38	1.80	20.50
		12	13	19.88	19.70	20.17	19.91	0.80	20.50	19.74	20.21	20.46	20.35	1.80	20.50
		25	0	19.81	19.68	20.03	19.91	0.80	20.50	19.77	19.55	19.50	19.34	1.80	20.50
	64QAM	1	0	19.73	19.93	20.29	19.82	0.80	20.50	19.63	19.96	19.78	19.30	1.80	20.50
		1	12	19.74	19.87	20.26	19.78	0.80	20.50	19.59	19.96	19.77	19.30	1.80	20.50
		1	24	19.71	19.97	20.28	19.74	0.80	20.50	19.62	19.95	19.77	19.29	1.80	20.50
		12	0	18.70	18.76	19.27	19.08	1.80	19.50	18.95	19.35	19.47	19.30	2.80	19.50
		12	7	18.79	18.79	19.29	19.06	1.80	19.50	18.90	19.34	19.48	19.29	2.80	19.50
		12	13	19.00	18.74	19.30	19.02	1.80	19.50	18.87	19.38	19.47	19.31	2.80	19.50
		25	0	18.70	18.72	19.28	19.05	1.80	19.50	18.93	18.97	18.78	19.20	2.80	19.50
	256QAM	1	0	17.14	16.87	17.16	17.37	3.80	17.50	17.20	16.81	16.62	16.76	4.80	17.50
		1	12	17.13	17.04	17.11	17.34	3.80	17.50	17.15	16.72	16.77	16.73	4.80	17.50
		1	24	17.21	16.99	17.17	17.40	3.80	17.50	17.20	16.75	16.70	16.80	4.80	17.50
		12	0	16.78	16.90	17.05	17.00	3.80	17.50	16.86	16.68	16.51	16.40	4.80	17.50
		12	7	16.82	16.89	17.08	17.04	3.80	17.50	16.88	16.73	16.62	16.43	4.80	17.50
		12	13	16.80	16.85	17.14	17.02	3.80	17.50	16.90	16.69	16.61	16.42	4.80	17.50
		25	0	16.85	16.91	16.97	17.02	3.80	17.50	16.86	16.66	16.58	16.41	4.80	17.50

Notes:

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

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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	23.54	23.54	23.45	0.00	24.00	16.80	16.94	16.80	0.00	17.80
		1	49	23.54	23.55	23.52	0.00	24.00	16.81	16.94	16.80	0.00	17.80
		1	99	23.50	23.02	23.51	0.00	24.00	16.81	16.90	16.80	0.00	17.80
		50	0	23.01	23.03	23.03	0.00	24.00	16.87	16.99	16.86	0.00	17.80
		50	24	23.11	23.20	23.16	0.00	24.00	16.97	17.00	16.95	0.00	17.80
		50	50	23.07	23.03	23.13	0.00	24.00	16.91	16.99	16.89	0.00	17.80
		100	0	23.09	23.09	23.05	0.00	24.00	16.92	16.95	16.94	0.00	17.80
	16QAM	1	0	23.40	23.49	23.39	0.00	24.00	17.29	17.47	17.28	0.00	17.80
		1	49	23.41	23.42	23.47	0.00	24.00	17.29	17.41	17.28	0.00	17.80
		1	99	23.47	23.27	23.40	0.00	24.00	17.32	17.37	17.25	0.00	17.80
		50	0	23.17	23.25	23.20	0.30	23.70	16.85	16.96	16.86	0.00	17.80
		50	24	23.28	23.31	23.34	0.30	23.70	16.92	17.06	16.93	0.00	17.80
		50	50	23.26	23.25	23.33	0.30	23.70	16.90	17.01	16.93	0.00	17.80
		100	0	23.27	23.30	23.26	0.30	23.70	16.94	17.00	16.93	0.00	17.80
	64QAM	1	0	22.70	23.50	23.46	0.30	23.70	17.12	17.24	17.08	0.00	17.80
		1	49	23.46	23.32	23.52	0.30	23.70	17.08	17.23	17.09	0.00	17.80
		1	99	23.61	23.42	23.30	0.30	23.70	17.19	17.20	17.06	0.00	17.80
		50	0	22.10	22.31	22.29	1.30	22.70	16.93	17.06	16.95	0.00	17.80
		50	24	22.35	22.38	22.40	1.30	22.70	17.03	17.14	16.99	0.00	17.80
		50	50	22.34	22.13	22.39	1.30	22.70	16.97	17.07	16.95	0.00	17.80
		100	0	22.31	22.32	22.27	1.30	22.70	16.97	17.03	16.97	0.00	17.80
	256QAM	1	0	19.13	19.50	19.19	4.30	19.70	16.96	16.80	17.03	0.00	17.80
		1	49	19.18	19.49	19.25	4.30	19.70	16.94	16.93	17.08	0.00	17.80
		1	99	19.19	19.49	19.22	4.30	19.70	16.95	16.90	17.12	0.00	17.80
		50	0	19.28	19.30	19.25	4.30	19.70	16.80	16.97	16.83	0.00	17.80
		50	24	19.36	19.38	19.38	4.30	19.70	16.88	17.06	16.97	0.00	17.80
		50	50	19.33	19.36	19.39	4.30	19.70	16.82	17.02	16.92	0.00	17.80
		100	0	19.35	19.36	19.24	4.30	19.70	16.80	17.01	16.80	0.00	17.80

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	23.50	23.55	23.54	0.00	24.00	16.87	16.98	16.92	0.00	17.80
		1	37	23.48	23.52	23.58	0.00	24.00	16.87	16.99	16.87	0.00	17.80
		1	74	23.46	23.50	23.45	0.00	24.00	16.86	16.97	16.86	0.00	17.80
		36	0	22.87	23.01	23.05	0.00	24.00	16.85	16.97	16.85	0.00	17.80
		36	20	23.12	23.13	23.10	0.00	24.00	16.95	17.08	16.95	0.00	17.80
		36	39	23.06	23.05	23.15	0.00	24.00	16.93	17.05	16.94	0.00	17.80
		75	0	23.02	23.08	23.08	0.00	24.00	16.90	16.95	16.82	0.00	17.80
	16QAM	1	0	23.26	23.43	22.96	0.00	24.00	17.20	17.37	17.34	0.00	17.80
		1	37	23.50	23.29	23.14	0.00	24.00	17.24	17.43	17.30	0.00	17.80
		1	74	23.76	23.38	22.89	0.00	24.00	17.24	17.25	17.23	0.00	17.80
		36	0	23.16	23.21	23.22	0.30	23.70	16.83	16.97	16.86	0.00	17.80
		36	20	23.26	23.29	23.31	0.30	23.70	16.95	17.08	16.93	0.00	17.80
		36	39	23.22	23.25	23.36	0.30	23.70	16.93	17.05	16.90	0.00	17.80
		75	0	23.25	23.28	23.23	0.30	23.70	16.93	16.96	16.84	0.00	17.80
	64QAM	1	0	22.81	23.84	23.42	0.30	23.70	17.46	17.31	17.23	0.00	17.80
		1	37	23.44	23.82	23.51	0.30	23.70	17.52	17.35	17.23	0.00	17.80
		1	74	23.63	22.91	23.40	0.30	23.70	17.53	17.30	17.23	0.00	17.80
		36	0	21.34	22.25	22.36	1.30	22.70	16.91	17.06	16.95	0.00	17.80
		36	20	21.91	22.34	22.42	1.30	22.70	17.01	17.17	17.03	0.00	17.80
		36	39	22.31	22.18	22.48	1.30	22.70	16.95	17.10	17.00	0.00	17.80
		75	0	22.02	22.32	22.29	1.30	22.70	16.98	17.01	16.92	0.00	17.80
	256QAM	1	0	19.42	19.42	19.02	4.30	19.70	16.94	17.04	16.80	0.00	17.80
		1	37	19.50	19.46	19.15	4.30	19.70	17.11	17.10	16.90	0.00	17.80
		1	74	19.63	19.49	19.06	4.30	19.70	17.16	17.10	16.86	0.00	17.80
		36	0	19.24	19.26	19.26	4.30	19.70	16.80	16.80	17.00	0.00	17.80
		36	20	19.32	19.37	19.31	4.30	19.70	16.94	16.89	17.04	0.00	17.80
		36	39	19.26	19.29	19.38	4.30	19.70	16.86	16.83	17.09	0.00	17.80
		75	0	19.30	19.32	19.25	4.30	19.70	16.92	16.86	16.99	0.00	17.80

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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	23.42	23.48	23.56	0.00	24.00	16.83	16.84	16.83	0.00	17.80
		1	25	23.41	23.42	23.53	0.00	24.00	16.83	16.85	16.84	0.00	17.80
		1	49	23.46	23.47	23.44	0.00	24.00	16.88	16.85	16.85	0.00	17.80
		25	0	23.00	23.02	23.07	0.00	24.00	16.82	16.94	16.86	0.00	17.80
		25	12	23.04	23.10	23.10	0.00	24.00	16.92	17.04	16.88	0.00	17.80
		25	25	23.02	23.03	23.11	0.00	24.00	16.89	16.99	16.92	0.00	17.80
		50	0	23.03	23.09	23.08	0.00	24.00	16.90	17.01	16.83	0.00	17.80
	16QAM	1	0	23.00	23.11	23.25	0.00	24.00	16.91	17.06	16.94	0.00	17.80
		1	25	23.00	23.10	23.05	0.00	24.00	16.83	16.96	16.88	0.00	17.80
		1	49	23.00	23.01	23.06	0.00	24.00	16.84	16.95	16.85	0.00	17.80
		25	0	23.12	23.34	23.36	0.30	23.70	16.93	17.06	16.98	0.00	17.80
		25	12	23.35	23.41	23.43	0.30	23.70	17.03	17.16	16.99	0.00	17.80
		25	25	23.33	23.36	23.47	0.30	23.70	16.98	17.11	17.04	0.00	17.80
		50	0	23.16	23.34	23.35	0.30	23.70	16.92	17.08	16.92	0.00	17.80
	64QAM	1	0	23.00	23.38	23.50	0.30	23.70	17.03	17.32	17.09	0.00	17.80
		1	25	22.90	23.45	23.51	0.30	23.70	17.06	17.33	17.15	0.00	17.80
		1	49	22.80	22.85	23.46	0.30	23.70	17.03	17.31	17.05	0.00	17.80
		25	0	22.30	22.37	22.44	1.30	22.70	16.94	17.05	16.98	0.00	17.80
		25	12	22.40	22.46	22.46	1.30	22.70	17.02	17.13	17.00	0.00	17.80
		25	25	21.91	22.43	22.51	1.30	22.70	17.01	17.11	17.05	0.00	17.80
		50	0	22.30	22.37	22.37	1.30	22.70	16.95	17.08	16.91	0.00	17.80
	256QAM	1	0	19.23	19.21	19.15	4.30	19.70	16.85	16.82	17.09	0.00	17.80
		1	25	19.28	19.15	19.19	4.30	19.70	16.81	16.83	17.15	0.00	17.80
		1	49	19.33	19.16	19.06	4.30	19.70	16.83	16.86	17.08	0.00	17.80
		25	0	19.27	19.36	19.39	4.30	19.70	16.95	16.93	17.11	0.00	17.80
		25	12	19.40	19.46	19.41	4.30	19.70	17.04	17.05	17.11	0.00	17.80
		25	25	19.37	19.40	19.40	4.30	19.70	16.97	16.97	17.13	0.00	17.80
		50	0	19.33	19.36	19.30	4.30	19.70	16.94	16.93	17.06	0.00	17.80
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	23.39	23.52	23.61	0.00	24.00	16.86	16.96	16.86	0.00	17.80
		1	12	23.50	23.59	23.58	0.00	24.00	16.84	16.96	16.92	0.00	17.80
		1	24	23.44	23.49	23.54	0.00	24.00	16.88	16.88	16.86	0.00	17.80
		12	0	23.00	23.07	23.14	0.00	24.00	16.86	16.88	16.93	0.00	17.80
		12	7	23.00	23.10	23.15	0.00	24.00	16.88	17.08	16.97	0.00	17.80
		12	13	22.68	23.06	23.11	0.00	24.00	16.86	16.97	16.90	0.00	17.80
		25	0	22.80	23.05	23.12	0.00	24.00	16.83	16.96	16.89	0.00	17.80
	16QAM	1	0	23.00	23.17	23.23	0.00	24.00	16.96	17.05	17.03	0.00	17.80
		1	12	22.56	23.22	23.25	0.00	24.00	17.01	17.10	17.08	0.00	17.80
		1	24	22.68	23.16	23.14	0.00	24.00	16.95	17.02	16.99	0.00	17.80
		12	0	22.93	23.36	23.44	0.30	23.70	16.97	16.96	16.99	0.00	17.80
		12	7	23.00	23.38	23.45	0.30	23.70	16.97	17.06	17.00	0.00	17.80
		12	13	23.14	23.34	23.41	0.30	23.70	16.94	17.04	17.01	0.00	17.80
		25	0	22.76	23.23	23.31	0.30	23.70	16.84	16.96	16.88	0.00	17.80
	64QAM	1	0	23.00	23.45	23.60	0.30	23.70	17.02	17.16	17.14	0.00	17.80
		1	12	22.90	23.54	23.64	0.30	23.70	17.15	17.29	17.23	0.00	17.80
		1	24	22.80	23.32	23.54	0.30	23.70	17.08	17.21	17.14	0.00	17.80
		12	0	21.98	22.41	22.45	1.30	22.70	16.97	17.01	17.01	0.00	17.80
		12	7	22.00	22.37	22.50	1.30	22.70	17.00	17.13	17.03	0.00	17.80
		12	13	21.98	22.37	22.41	1.30	22.70	16.95	17.06	17.00	0.00	17.80
		25	0	21.87	22.29	22.40	1.30	22.70	16.87	17.00	16.96	0.00	17.80
	256QAM	1	0	19.29	19.18	19.31	4.30	19.70	16.97	16.92	17.06	0.00	17.80
		1	12	19.41	19.32	19.37	4.30	19.70	17.12	17.08	17.13	0.00	17.80
		1	24	19.32	19.22	19.26	4.30	19.70	17.03	16.97	17.02	0.00	17.80
		12	0	19.28	19.31	19.36	4.30	19.70	17.01	16.94	17.07	0.00	17.80
		12	7	19.33	19.37	19.43	4.30	19.70	17.05	16.98	17.10	0.00	17.80
		12	13	19.29	19.31	19.36	4.30	19.70	16.95	16.95	17.10	0.00	17.80
		25	0	19.25	19.35	19.39	4.30	19.70	16.94	16.89	17.10	0.00	17.80

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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	23.33	23.48	23.43	0.00	24.00	16.89	16.85	16.81	0.00	17.80
		1	8	23.31	23.37	23.51	0.00	24.00	16.80	16.80	16.81	0.00	17.80
		1	14	23.38	23.45	23.12	0.00	24.00	16.88	16.86	16.88	0.00	17.80
		8	0	23.00	23.08	23.12	0.00	24.00	16.84	16.98	16.90	0.00	17.80
		8	4	23.01	23.07	23.13	0.00	24.00	16.87	16.96	16.90	0.00	17.80
		8	7	23.01	23.09	23.14	0.00	24.00	16.88	16.99	16.92	0.00	17.80
		15	0	23.00	23.07	23.21	0.00	24.00	16.87	16.98	16.91	0.00	17.80
	16QAM	1	0	23.10	23.14	23.12	0.00	24.00	16.91	17.07	17.04	0.00	17.80
		1	8	23.11	23.08	23.10	0.00	24.00	16.85	17.00	16.95	0.00	17.80
		1	14	23.01	23.12	23.10	0.00	24.00	16.87	17.05	16.93	0.00	17.80
		8	0	22.89	23.30	23.37	0.30	23.70	16.89	17.02	16.97	0.00	17.80
		8	4	23.00	23.32	23.40	0.30	23.70	16.92	17.05	17.00	0.00	17.80
		8	7	22.97	23.30	23.31	0.30	23.70	16.92	17.01	17.00	0.00	17.80
		15	0	22.81	23.27	23.61	0.30	23.70	16.84	16.96	16.91	0.00	17.80
	64QAM	1	0	23.06	23.31	23.47	0.30	23.70	17.04	17.20	17.19	0.00	17.80
		1	8	23.03	23.42	23.46	0.30	23.70	17.06	17.19	17.10	0.00	17.80
		1	14	23.09	23.25	23.10	0.30	23.70	17.04	17.19	17.13	0.00	17.80
		8	0	21.90	22.37	22.33	1.30	22.70	16.82	16.93	16.87	0.00	17.80
		8	4	21.97	22.35	22.37	1.30	22.70	16.86	16.98	16.92	0.00	17.80
		8	7	22.01	22.38	22.48	1.30	22.70	16.90	16.99	16.94	0.00	17.80
		15	0	22.04	22.38	22.10	1.30	22.70	16.97	17.08	16.98	0.00	17.80
	256QAM	1	0	19.11	19.03	19.34	4.30	19.70	16.86	16.81	17.04	0.00	17.80
		1	8	19.28	19.00	19.22	4.30	19.70	16.83	16.80	17.10	0.00	17.80
		1	14	19.16	19.06	19.50	4.30	19.70	16.88	16.85	17.00	0.00	17.80
		8	0	19.38	19.25	19.50	4.30	19.70	16.89	16.81	17.20	0.00	17.80
		8	4	19.39	19.28	19.50	4.30	19.70	16.92	16.87	17.18	0.00	17.80
		8	7	19.39	19.29	19.43	4.30	19.70	16.92	16.86	17.18	0.00	17.80
		15	0	19.32	19.40	19.30	4.30	19.70	17.08	16.99	17.14	0.00	17.80

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	23.25	23.54	23.45	0.00	24.00	16.86	16.83	16.93	0.00	17.80
		1	3	23.29	23.61	23.51	0.00	24.00	16.91	16.86	16.98	0.00	17.80
		1	5	23.24	23.48	23.50	0.00	24.00	16.90	16.82	16.93	0.00	17.80
		3	0	23.17	23.42	23.45	0.00	24.00	16.81	16.80	16.92	0.00	17.80
		3	1	23.25	23.49	23.51	0.00	24.00	16.94	16.85	16.97	0.00	17.80
		3	3	23.06	23.50	23.52	0.00	24.00	16.93	16.84	16.98	0.00	17.80
		6	0	23.12	23.03	23.05	0.00	24.00	16.82	16.90	16.82	0.00	17.80
	16QAM	1	0	23.10	23.14	23.06	0.00	24.00	16.84	16.96	16.91	0.00	17.80
		1	3	23.20	23.10	23.15	0.00	24.00	16.93	17.04	16.96	0.00	17.80
		1	5	23.01	23.13	23.07	0.00	24.00	16.88	16.96	16.87	0.00	17.80
		3	0	22.72	23.29	23.46	0.30	23.70	17.00	17.08	16.95	0.00	17.80
		3	1	22.82	23.30	23.53	0.30	23.70	17.08	17.18	17.09	0.00	17.80
		3	3	22.86	23.29	23.49	0.30	23.70	17.07	17.15	17.12	0.00	17.80
		6	0	22.94	23.44	23.44	0.30	23.70	17.05	17.12	17.03	0.00	17.80
	64QAM	1	0	23.21	23.51	23.38	0.30	23.70	17.01	17.22	17.15	0.00	17.80
		1	3	23.23	23.55	23.44	0.30	23.70	17.05	17.26	17.19	0.00	17.80
		1	5	23.40	23.51	23.34	0.30	23.70	17.11	17.24	17.14	0.00	17.80
		3	0	21.82	22.25	22.41	1.30	22.70	16.84	16.93	16.82	0.00	17.80
		3	1	21.86	22.27	22.46	1.30	22.70	16.85	16.94	16.83	0.00	17.80
		3	3	21.71	22.26	22.44	1.30	22.70	16.83	16.95	16.85	0.00	17.80
		6	0	22.00	22.31	22.58	1.30	22.70	16.92	17.04	16.96	0.00	17.80
	256QAM	1	0	19.18	19.17	18.74	4.30	19.70	16.82	16.89	16.98	0.00	17.80
		1	3	19.25	19.25	19.15	4.30	19.70	16.88	16.87	17.05	0.00	17.80
		1	5	19.16	19.17	19.04	4.30	19.70	16.81	16.96	16.97	0.00	17.80
		3	0	19.30	19.36	19.17	4.30	19.70	16.94	16.90	17.11	0.00	17.80
		3	1	19.33	19.38	19.15	4.30	19.70	16.98	16.89	17.15	0.00	17.80
		3	3	19.32	19.35	19.23	4.30	19.70	16.95	16.94	17.19	0.00	17.80
		6	0	19.24	19.27	19.38	4.30	19.70	16.90	16.84	16.99	0.00	17.80

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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)				
				132072.00	132322.00	132572.00	MPR	Tune-up Limit	132072.00	132322.00	132572.00	MPR	Tune-up Limit
				1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	21.96	21.90	21.98	0.00	23.00	21.96	21.90	21.98	0.00	23.00
		1	49	22.00	22.02	22.00	0.00	23.00	22.00	22.02	22.00	0.00	23.00
		1	99	21.98	21.87	21.82	0.00	23.00	21.98	21.87	21.82	0.00	23.00
		50	0	21.65	21.77	21.92	0.30	22.70	21.65	21.77	21.92	0.30	22.70
		50	24	21.72	21.83	22.00	0.30	22.70	21.72	21.83	22.00	0.30	22.70
		50	50	21.69	21.79	21.94	0.30	22.70	21.69	21.79	21.94	0.30	22.70
		100	0	21.70	21.81	21.80	0.30	22.70	21.70	21.81	21.80	0.30	22.70
	16QAM	1	0	21.89	22.04	21.96	0.30	22.70	21.89	22.04	21.96	0.30	22.70
		1	49	21.82	21.91	21.92	0.30	22.70	21.82	21.91	21.92	0.30	22.70
		1	99	21.92	21.92	22.06	0.30	22.70	21.92	21.92	22.06	0.30	22.70
		50	0	20.60	20.75	20.88	1.30	21.70	20.60	20.75	20.88	1.30	21.70
		50	24	20.68	20.84	20.99	1.30	21.70	20.68	20.84	20.99	1.30	21.70
		50	50	20.69	20.78	20.91	1.30	21.70	20.69	20.78	20.91	1.30	21.70
		100	0	20.70	20.82	20.96	1.30	21.70	20.70	20.82	20.96	1.30	21.70
	64QAM	1	0	20.82	21.06	21.04	1.30	21.70	20.82	21.06	21.04	1.30	21.70
		1	49	20.86	20.95	21.08	1.30	21.70	20.86	20.95	21.08	1.30	21.70
		1	99	20.93	20.94	21.00	1.30	21.70	20.93	20.94	21.00	1.30	21.70
		50	0	19.68	19.78	19.99	2.30	20.70	19.68	19.78	19.99	2.30	20.70
		50	24	19.76	19.84	20.06	2.30	20.70	19.76	19.84	20.06	2.30	20.70
		50	50	19.73	19.80	20.00	2.30	20.70	19.73	19.80	20.00	2.30	20.70
		100	0	19.75	19.82	20.01	2.30	20.70	19.75	19.82	20.01	2.30	20.70
	256QAM	1	0	17.59	17.72	17.82	4.30	18.70	17.59	17.72	17.82	4.30	18.70
		1	49	17.58	17.66	17.86	4.30	18.70	17.58	17.66	17.86	4.30	18.70
		1	99	17.67	17.63	17.85	4.30	18.70	17.67	17.63	17.85	4.30	18.70
		50	0	17.67	17.81	17.95	4.30	18.70	17.67	17.81	17.95	4.30	18.70
		50	24	17.75	17.85	18.05	4.30	18.70	17.75	17.85	18.05	4.30	18.70
		50	50	17.74	17.81	18.01	4.30	18.70	17.74	17.81	18.01	4.30	18.70
		100	0	17.74	17.82	18.01	4.30	18.70	17.74	17.82	18.01	4.30	18.70

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	22.20	22.01	22.05	0.00	23.00	22.20	22.01	22.05	0.00	23.00
		1	37	22.23	22.00	21.95	0.00	23.00	22.23	22.00	21.95	0.00	23.00
		1	74	22.19	21.95	22.02	0.00	23.00	22.19	21.95	22.02	0.00	23.00
		36	0	21.91	21.75	21.62	0.30	22.70	21.91	21.75	21.62	0.30	22.70
		36	20	22.02	21.84	21.67	0.30	22.70	22.02	21.84	21.67	0.30	22.70
		36	39	22.00	21.80	21.73	0.30	22.70	22.00	21.80	21.73	0.30	22.70
		75	0	21.94	21.80	21.63	0.30	22.70	21.94	21.80	21.63	0.30	22.70
	16QAM	1	0	21.95	21.71	22.05	0.30	22.70	21.95	21.71	22.05	0.30	22.70
		1	37	22.09	21.77	22.09	0.30	22.70	22.09	21.77	22.09	0.30	22.70
		1	74	22.10	21.65	21.95	0.30	22.70	22.10	21.65	21.95	0.30	22.70
		36	0	20.90	20.77	20.61	1.30	21.70	20.90	20.77	20.61	1.30	21.70
		36	20	20.99	20.84	20.64	1.30	21.70	20.99	20.84	20.64	1.30	21.70
		36	39	20.98	20.79	20.73	1.30	21.70	20.98	20.79	20.73	1.30	21.70
		75	0	20.96	20.81	20.66	1.30	21.70	20.96	20.81	20.66	1.30	21.70
	64QAM	1	0	21.10	20.99	20.92	1.30	21.70	21.10	20.99	20.92	1.30	21.70
		1	37	20.85	21.04	20.95	1.30	21.70	20.85	21.04	20.95	1.30	21.70
		1	74	20.85	21.00	21.03	1.30	21.70	20.85	21.00	21.03	1.30	21.70
		36	0	19.94	19.74	19.66	2.30	20.70	19.94	19.74	19.66	2.30	20.70
		36	20	20.05	19.84	19.70	2.30	20.70	20.05	19.84	19.70	2.30	20.70
		36	39	20.01	19.81	19.77	2.30	20.70	20.01	19.81	19.77	2.30	20.70
		75	0	20.02	19.82	19.71	2.30	20.70	20.02	19.82	19.71	2.30	20.70
	256QAM	1	0	18.03	17.94	17.79	4.30	18.70	18.03	17.94	17.79	4.30	18.70
		1	37	18.07	17.96	17.98	4.30	18.70	18.07	17.96	17.98	4.30	18.70
		1	74	18.09	17.89	17.93	4.30	18.70	18.09	17.89	17.93	4.30	18.70
		36	0	17.92	17.74	17.66	4.30	18.70	17.92	17.74	17.66	4.30	18.70
		36	20	18.02	17.83	17.70	4.30	18.70	18.02	17.83	17.70	4.30	18.70
		36	39	17.98	17.78	17.76	4.30	18.70	17.98	17.78	17.76	4.30	18.70
		75	0	17.97	17.79	17.69	4.30	18.70	17.97	17.79	17.69	4.30	18.70

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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
				132022.00	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	22.18	22.01	21.90	0.00	23.00	22.18	22.01	21.90	0.00	23.00
		1	25	22.16	21.96	21.87	0.00	23.00	22.16	21.96	21.87	0.00	23.00
		1	49	22.18	21.96	21.98	0.00	23.00	22.18	21.96	21.98	0.00	23.00
		25	0	21.99	21.82	21.64	0.30	22.70	21.99	21.82	21.64	0.30	22.70
		25	12	22.05	21.84	21.68	0.30	22.70	22.05	21.84	21.68	0.30	22.70
		25	25	21.99	21.79	21.74	0.30	22.70	21.99	21.79	21.74	0.30	22.70
		50	0	21.98	21.81	21.67	0.30	22.70	21.98	21.81	21.67	0.30	22.70
	16QAM	1	0	21.97	21.82	21.70	0.30	22.70	21.97	21.82	21.70	0.30	22.70
		1	25	21.96	21.78	21.65	0.30	22.70	21.96	21.78	21.65	0.30	22.70
		1	49	22.00	21.79	21.70	0.30	22.70	22.00	21.79	21.70	0.30	22.70
		25	0	21.07	20.94	20.73	1.30	21.70	21.07	20.94	20.73	1.30	21.70
		25	12	21.10	20.96	20.77	1.30	21.70	21.10	20.96	20.77	1.30	21.70
		25	25	21.08	20.90	20.84	1.30	21.70	21.08	20.90	20.84	1.30	21.70
		50	0	21.02	20.86	20.71	1.30	21.70	21.02	20.86	20.71	1.30	21.70
	64QAM	1	0	21.10	21.10	20.84	1.30	21.70	21.10	21.10	20.84	1.30	21.70
		1	25	21.10	21.10	20.90	1.30	21.70	21.10	21.10	20.90	1.30	21.70
		1	49	21.05	21.09	20.92	1.30	21.70	21.05	21.09	20.92	1.30	21.70
		25	0	20.08	19.92	19.73	2.30	20.70	20.08	19.92	19.73	2.30	20.70
		25	12	20.10	19.94	19.78	2.30	20.70	20.10	19.94	19.78	2.30	20.70
		25	25	20.10	19.90	19.87	2.30	20.70	20.10	19.90	19.87	2.30	20.70
		50	0	20.02	19.86	19.71	2.30	20.70	20.02	19.86	19.71	2.30	20.70
	256QAM	1	0	17.93	18.04	17.67	4.30	18.70	17.93	18.04	17.67	4.30	18.70
		1	25	18.01	18.09	17.75	4.30	18.70	18.01	18.09	17.75	4.30	18.70
		1	49	18.01	18.10	17.73	4.30	18.70	18.01	18.10	17.73	4.30	18.70
		25	0	18.10	17.91	17.78	4.30	18.70	18.10	17.91	17.78	4.30	18.70
		25	12	18.10	17.92	17.78	4.30	18.70	18.10	17.92	17.78	4.30	18.70
		25	25	18.09	17.91	17.86	4.30	18.70	18.09	17.91	17.86	4.30	18.70
		50	0	18.07	17.92	17.73	4.30	18.70	18.07	17.92	17.73	4.30	18.70

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	22.22	22.04	21.99	0.00	23.00	22.22	22.04	21.99	0.00	23.00
		1	12	22.28	22.11	22.08	0.00	23.00	22.28	22.11	22.08	0.00	23.00
		1	24	22.23	22.05	22.06	0.00	23.00	22.23	22.05	22.06	0.00	23.00
		12	0	21.97	21.84	21.76	0.30	22.70	21.97	21.84	21.76	0.30	22.70
		12	7	22.02	21.87	21.82	0.30	22.70	22.02	21.87	21.82	0.30	22.70
		12	13	21.99	21.80	21.80	0.30	22.70	21.99	21.80	21.80	0.30	22.70
		25	0	21.97	21.79	21.77	0.30	22.70	21.97	21.79	21.77	0.30	22.70
	16QAM	1	0	22.03	21.90	21.85	0.30	22.70	22.03	21.90	21.85	0.30	22.70
		1	12	22.10	21.98	21.93	0.30	22.70	22.10	21.98	21.93	0.30	22.70
		1	24	22.08	21.90	21.88	0.30	22.70	22.08	21.90	21.88	0.30	22.70
		12	0	21.03	20.89	20.84	1.30	21.70	21.03	20.89	20.84	1.30	21.70
		12	7	21.09	20.90	20.88	1.30	21.70	21.09	20.90	20.88	1.30	21.70
		12	13	21.06	20.85	20.85	1.30	21.70	21.06	20.85	20.85	1.30	21.70
		25	0	20.95	20.77	20.74	1.30	21.70	20.95	20.77	20.74	1.30	21.70
	64QAM	1	0	21.10	20.92	20.96	1.30	21.70	21.10	20.92	20.96	1.30	21.70
		1	12	21.03	21.05	21.06	1.30	21.70	21.03	21.05	21.06	1.30	21.70
		1	24	21.01	20.99	21.05	1.30	21.70	21.01	20.99	21.05	1.30	21.70
		12	0	20.05	19.85	19.84	2.30	20.70	20.05	19.85	19.84	2.30	20.70
		12	7	20.06	19.91	19.89	2.30	20.70	20.06	19.91	19.89	2.30	20.70
		12	13	20.10	19.85	19.88	2.30	20.70	20.10	19.85	19.88	2.30	20.70
		25	0	19.98	19.80	19.80	2.30	20.70	19.98	19.80	19.80	2.30	20.70
	256QAM	1	0	17.90	17.70	17.73	4.30	18.70	17.90	17.70	17.73	4.30	18.70
		1	12	18.01	17.80	17.82	4.30	18.70	18.01	17.80	17.82	4.30	18.70
		1	24	17.96	17.72	17.76	4.30	18.70	17.96	17.72	17.76	4.30	18.70
		12	0	17.98	17.78	17.80	4.30	18.70	17.98	17.78	17.80	4.30	18.70
		12	7	17.99	17.84	17.85	4.30	18.70	17.99	17.84	17.85	4.30	18.70
		12	13	18.02	17.80	17.82	4.30	18.70	18.02	17.80	17.82	4.30	18.70
		25	0	18.00	17.80	17.85	4.30	18.70	18.00	17.80	17.85	4.30	18.70

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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
				131987.00	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	22.13	21.99	22.00	0.00	23.00	22.13	21.99	22.00	0.00	23.00
		1	8	22.07	21.93	21.92	0.00	23.00	22.07	21.93	21.92	0.00	23.00
		1	14	22.15	21.98	22.04	0.00	23.00	22.15	21.98	22.04	0.00	23.00
		8	0	21.93	21.80	21.73	0.30	22.70	21.93	21.80	21.73	0.30	22.70
		8	4	21.94	21.79	21.76	0.30	22.70	21.94	21.79	21.76	0.30	22.70
		8	7	21.99	21.83	21.79	0.30	22.70	21.99	21.83	21.79	0.30	22.70
		15	0	21.96	21.80	21.79	0.30	22.70	21.96	21.80	21.79	0.30	22.70
	16QAM	1	0	22.03	21.82	22.09	0.30	22.70	22.03	21.82	22.09	0.30	22.70
		1	8	21.97	21.81	22.09	0.30	22.70	21.97	21.81	22.09	0.30	22.70
		1	14	22.01	21.83	22.10	0.30	22.70	22.01	21.83	22.10	0.30	22.70
		8	0	21.01	20.87	20.84	1.30	21.70	21.01	20.87	20.84	1.30	21.70
		8	4	21.02	20.86	20.86	1.30	21.70	21.02	20.86	20.86	1.30	21.70
		8	7	21.02	20.86	20.87	1.30	21.70	21.02	20.86	20.87	1.30	21.70
		15	0	20.96	20.79	20.84	1.30	21.70	20.96	20.79	20.84	1.30	21.70
	64QAM	1	0	21.03	21.03	21.03	1.30	21.70	21.03	21.03	21.03	1.30	21.70
		1	8	21.07	21.06	20.96	1.30	21.70	21.07	21.06	20.96	1.30	21.70
		1	14	21.10	21.08	20.95	1.30	21.70	21.10	21.08	20.95	1.30	21.70
		8	0	19.94	19.93	19.75	2.30	20.70	19.94	19.93	19.75	2.30	20.70
		8	4	19.96	19.90	19.78	2.30	20.70	19.96	19.90	19.78	2.30	20.70
		8	7	19.97	19.92	19.79	2.30	20.70	19.97	19.92	19.79	2.30	20.70
		15	0	19.99	19.82	19.89	2.30	20.70	19.99	19.82	19.89	2.30	20.70
	256QAM	1	0	17.80	18.04	17.69	4.30	18.70	17.80	18.04	17.69	4.30	18.70
		1	8	17.98	18.06	17.77	4.30	18.70	17.98	18.06	17.77	4.30	18.70
		1	14	17.88	18.10	17.71	4.30	18.70	17.88	18.10	17.71	4.30	18.70
		8	0	18.10	17.90	17.93	4.30	18.70	18.10	17.90	17.93	4.30	18.70
		8	4	18.09	17.93	17.94	4.30	18.70	18.09	17.93	17.94	4.30	18.70
		8	7	18.10	17.94	17.93	4.30	18.70	18.10	17.94	17.93	4.30	18.70
		15	0	18.05	17.90	17.86	4.30	18.70	18.05	17.90	17.86	4.30	18.70

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	22.13	21.97	22.03	0.00	23.00	22.13	21.97	22.03	0.00	23.00
		1	3	22.15	22.02	22.03	0.00	23.00	22.15	22.02	22.03	0.00	23.00
		1	5	22.14	21.98	22.03	0.00	23.00	22.14	21.98	22.03	0.00	23.00
		3	0	22.07	21.91	21.97	0.00	23.00	22.07	21.91	21.97	0.00	23.00
		3	1	22.13	21.99	22.05	0.00	23.00	22.13	21.99	22.05	0.00	23.00
		3	3	22.11	21.99	22.02	0.00	23.00	22.11	21.99	22.02	0.00	23.00
		6	0	21.87	21.75	21.74	0.30	22.70	21.87	21.75	21.74	0.30	22.70
	16QAM	1	0	21.94	21.73	22.01	0.30	22.70	21.94	21.73	22.01	0.30	22.70
		1	3	22.02	21.83	22.10	0.30	22.70	22.02	21.83	22.10	0.30	22.70
		1	5	21.98	21.75	22.01	0.30	22.70	21.98	21.75	22.01	0.30	22.70
		3	0	22.06	21.94	22.00	0.30	22.70	22.06	21.94	22.00	0.30	22.70
		3	1	22.10	22.02	22.00	0.30	22.70	22.10	22.02	22.00	0.30	22.70
		3	3	22.10	22.01	22.00	0.30	22.70	22.10	22.01	22.00	0.30	22.70
		6	0	21.10	20.95	20.71	1.30	21.70	21.10	20.95	20.71	1.30	21.70
	64QAM	1	0	21.02	21.01	21.07	1.30	21.70	21.02	21.01	21.07	1.30	21.70
		1	3	21.08	21.05	21.10	1.30	21.70	21.08	21.05	21.10	1.30	21.70
		1	5	21.05	21.02	21.07	1.30	21.70	21.05	21.02	21.07	1.30	21.70
		3	0	20.86	20.75	20.92	1.30	21.70	20.86	20.75	20.92	1.30	21.70
		3	1	20.91	20.79	20.91	1.30	21.70	20.91	20.79	20.91	1.30	21.70
		3	3	20.92	20.76	20.95	1.30	21.70	20.92	20.76	20.95	1.30	21.70
		6	0	20.04	19.85	19.60	2.30	20.70	20.04	19.85	19.60	2.30	20.70
	256QAM	1	0	17.92	17.72	17.87	4.30	18.70	17.92	17.72	17.87	4.30	18.70
		1	3	18.01	17.81	18.00	4.30	18.70	18.01	17.81	18.00	4.30	18.70
		1	5	17.92	17.72	17.85	4.30	18.70	17.92	17.72	17.85	4.30	18.70
		3	0	18.02	17.86	17.76	4.30	18.70	18.02	17.86	17.76	4.30	18.70
		3	1	18.05	17.88	17.81	4.30	18.70	18.05	17.88	17.81	4.30	18.70
		3	3	18.06	17.90	17.79	4.30	18.70	18.06	17.90	17.79	4.30	18.70
		6	0	17.97	17.79	17.65	4.30	18.70	17.97	17.79	17.65	4.30	18.70

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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	24.39	24.43	24.39	0.00	25.20	21.00	21.03	21.01	0.00	22.00
		1	49	24.61	24.66	24.61	0.00	25.20	21.05	21.09	21.04	0.00	22.00
		1	99	24.38	24.37	24.36	0.00	25.20	21.06	21.01	21.06	0.00	22.00
		50	0	23.44	23.43	23.44	1.00	24.20	21.00	21.04	21.02	0.00	22.00
		50	24	23.51	23.55	23.50	1.00	24.20	21.08	21.11	21.03	0.00	22.00
		50	50	23.46	23.46	23.47	1.00	24.20	21.04	21.05	21.00	0.00	22.00
		100	0	23.99	23.79	23.96	1.00	24.20	21.05	21.12	21.00	0.00	22.00
	16QAM	1	0	23.83	23.83	23.78	1.00	24.20	21.41	21.46	21.36	0.00	22.00
		1	49	23.76	23.81	23.75	1.00	24.20	21.43	21.41	21.36	0.00	22.00
		1	99	23.80	23.81	23.72	1.00	24.20	21.46	21.47	21.36	0.00	22.00
		50	0	22.40	22.40	22.38	2.00	23.20	21.08	21.00	21.08	0.00	22.00
		50	24	22.47	22.50	22.41	2.00	23.20	21.03	21.09	21.08	0.00	22.00
		50	50	22.45	22.46	22.43	2.00	23.20	21.10	21.06	21.05	0.00	22.00
		100	0	22.49	22.50	22.41	2.00	23.20	21.06	21.10	21.03	0.00	22.00
	64QAM	1	0	22.62	22.74	22.65	2.00	23.20	21.66	21.62	21.57	0.00	22.00
		1	49	22.70	22.61	22.73	2.00	23.20	21.61	21.65	21.58	0.00	22.00
		1	99	22.80	22.66	22.69	2.00	23.20	21.66	21.65	21.63	0.00	22.00
		50	0	21.50	21.50	21.50	3.00	22.20	21.04	21.08	21.05	0.00	22.00
		50	24	21.60	21.57	21.52	3.00	22.20	21.17	21.17	21.08	0.00	22.00
		50	50	21.55	21.53	21.55	3.00	22.20	21.10	21.12	21.11	0.00	22.00
		100	0	21.56	21.54	21.47	3.00	22.20	21.08	21.11	21.01	0.00	22.00
	256QAM	1	0	19.36	19.40	19.39	5.00	20.20	19.90	19.95	19.91	1.30	20.70
		1	49	19.41	19.42	19.38	5.00	20.20	19.92	19.97	19.92	1.30	20.70
		1	99	19.39	19.40	19.46	5.00	20.20	19.98	19.99	19.95	1.30	20.70
		50	0	19.49	19.50	19.48	5.00	20.20	19.74	19.77	19.74	1.30	20.70
		50	24	19.56	19.56	19.52	5.00	20.20	19.83	19.86	19.76	1.30	20.70
		50	50	19.48	19.52	19.55	5.00	20.20	19.81	19.82	19.80	1.30	20.70
		100	0	19.52	19.54	19.46	5.00	20.20	19.76	19.81	19.71	1.30	20.70

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	24.41	24.42	24.51	0.00	25.20	21.18	21.23	21.28	0.00	22.00
		1	37	24.37	24.39	24.44	0.00	25.20	21.19	21.21	21.23	0.00	22.00
		1	74	24.37	24.39	24.43	0.00	25.20	21.19	21.23	21.23	0.00	22.00
		36	0	23.42	23.41	23.44	1.00	24.20	21.20	21.23	21.24	0.00	22.00
		36	20	23.50	23.50	23.57	1.00	24.20	21.31	21.36	21.33	0.00	22.00
		36	39	23.48	23.49	23.50	1.00	24.20	21.28	21.29	21.31	0.00	22.00
		75	0	23.43	23.47	23.49	1.00	24.20	21.25	21.30	21.27	0.00	22.00
	16QAM	1	0	23.67	23.97	23.97	1.00	24.20	21.54	21.75	21.72	0.00	22.00
		1	37	23.92	23.85	24.08	1.00	24.20	21.82	21.68	21.84	0.00	22.00
		1	74	23.89	23.81	24.02	1.00	24.20	21.92	21.63	21.74	0.00	22.00
		36	0	22.38	22.40	22.42	2.00	23.20	21.14	21.21	21.18	0.00	22.00
		36	20	22.49	22.49	22.54	2.00	23.20	21.29	21.31	21.29	0.00	22.00
		36	39	22.46	22.47	22.48	2.00	23.20	21.24	21.28	21.26	0.00	22.00
		75	0	22.47	22.47	22.51	2.00	23.20	21.25	21.30	21.30	0.00	22.00
	64QAM	1	0	22.48	22.57	22.64	2.00	23.20	21.26	21.35	21.38	0.00	22.00
		1	37	22.55	22.61	22.67	2.00	23.20	21.35	21.41	21.42	0.00	22.00
		1	74	22.56	22.55	22.58	2.00	23.20	21.36	21.41	21.36	0.00	22.00
		36	0	21.50	21.53	21.54	3.00	22.20	21.27	21.31	21.30	0.00	22.00
		36	20	21.58	21.60	21.64	3.00	22.20	21.37	21.41	21.41	0.00	22.00
		36	39	21.59	21.57	21.64	3.00	22.20	21.34	21.39	21.38	0.00	22.00
		75	0	21.48	21.57	21.58	3.00	22.20	21.30	21.35	21.32	0.00	22.00
	256QAM	1	0	19.30	19.31	19.36	5.00	20.20	19.74	19.73	19.71	1.30	20.70
		1	37	19.32	19.37	19.35	5.00	20.20	19.76	19.77	19.79	1.30	20.70
		1	74	19.36	19.39	19.39	5.00	20.20	19.79	19.78	19.77	1.30	20.70
		36	0	19.41	19.48	19.47	5.00	20.20	19.91	19.94	19.94	1.30	20.70
		36	20	19.55	19.55	19.58	5.00	20.20	20.00	20.07	20.05	1.30	20.70
		36	39	19.48	19.52	19.55	5.00	20.20	19.97	20.02	20.01	1.30	20.70
		75	0	19.45	19.52	19.51	5.00	20.20	19.98	20.02	20.00	1.30	20.70

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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	24.39	24.34	24.44	0.00	25.20	21.12	21.13	21.21	0.00	22.00
		1	25	24.30	24.32	24.39	0.00	25.20	21.08	21.15	21.15	0.00	22.00
		1	49	24.33	24.39	24.33	0.00	25.20	21.16	21.14	21.17	0.00	22.00
		25	0	23.40	23.42	23.39	1.00	24.20	21.21	21.20	21.28	0.00	22.00
		25	12	23.47	23.51	23.41	1.00	24.20	21.26	21.32	21.24	0.00	22.00
		25	25	23.42	23.46	23.46	1.00	24.20	21.22	21.28	21.28	0.00	22.00
		50	0	23.45	23.47	23.39	1.00	24.20	21.25	21.30	21.23	0.00	22.00
	16QAM	1	0	23.46	23.52	23.62	1.00	24.20	21.23	21.28	21.18	0.00	22.00
		1	25	23.40	23.38	23.49	1.00	24.20	21.18	21.19	21.17	0.00	22.00
		1	49	23.48	23.44	23.48	1.00	24.20	21.34	21.24	21.14	0.00	22.00
		25	0	22.46	22.54	22.49	2.00	23.20	21.28	21.34	21.25	0.00	22.00
		25	12	22.59	22.61	22.52	2.00	23.20	21.34	21.41	21.24	0.00	22.00
		25	25	22.55	22.56	22.56	2.00	23.20	21.32	21.39	21.30	0.00	22.00
		50	0	22.48	22.54	22.43	2.00	23.20	21.25	21.34	21.19	0.00	22.00
	64QAM	1	0	22.55	22.59	22.66	2.00	23.20	21.35	21.28	21.23	0.00	22.00
		1	25	22.53	22.66	22.70	2.00	23.20	21.38	21.42	21.35	0.00	22.00
		1	49	22.63	22.58	22.63	2.00	23.20	21.46	21.43	21.43	0.00	22.00
		25	0	21.50	21.55	21.54	3.00	22.20	21.29	21.35	21.35	0.00	22.00
		25	12	21.59	21.61	21.54	3.00	22.20	21.39	21.44	21.36	0.00	22.00
		25	25	21.56	21.58	21.62	3.00	22.20	21.37	21.41	21.41	0.00	22.00
		50	0	21.53	21.51	21.44	3.00	22.20	21.36	21.38	21.28	0.00	22.00
	256QAM	1	0	19.35	19.50	19.55	5.00	20.20	19.75	19.78	19.88	1.30	20.70
		1	25	19.34	19.49	19.58	5.00	20.20	19.79	19.78	19.88	1.30	20.70
		1	49	19.37	19.46	19.51	5.00	20.20	19.72	19.78	19.83	1.30	20.70
		25	0	19.49	19.53	19.56	5.00	20.20	19.98	20.05	20.06	1.30	20.70
		25	12	19.60	19.63	19.60	5.00	20.20	20.06	20.08	20.08	1.30	20.70
		25	25	19.55	19.56	19.65	5.00	20.20	20.01	20.05	20.11	1.30	20.70
		50	0	19.51	19.56	19.52	5.00	20.20	19.99	20.01	20.00	1.30	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
				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	24.46	24.38	24.46	0.00	25.20	21.21	21.19	21.24	0.00	22.00
		1	12	24.42	24.39	24.47	0.00	25.20	21.21	21.27	21.29	0.00	22.00
		1	24	24.34	24.37	24.38	0.00	25.20	21.14	21.19	21.19	0.00	22.00
		12	0	23.45	23.47	23.50	1.00	24.20	21.24	21.27	21.31	0.00	22.00
		12	7	23.51	23.49	23.54	1.00	24.20	21.27	21.32	21.33	0.00	22.00
		12	13	23.46	23.43	23.46	1.00	24.20	21.25	21.28	21.31	0.00	22.00
		25	0	23.45	23.44	23.44	1.00	24.20	21.20	21.25	21.28	0.00	22.00
	16QAM	1	0	23.54	23.51	23.61	1.00	24.20	21.33	21.36	21.37	0.00	22.00
		1	12	23.57	23.57	23.64	1.00	24.20	21.37	21.41	21.46	0.00	22.00
		1	24	23.51	23.52	23.52	1.00	24.20	21.32	21.35	21.35	0.00	22.00
		12	0	22.55	22.53	22.55	2.00	23.20	21.28	21.33	21.36	0.00	22.00
		12	7	22.55	22.57	22.58	2.00	23.20	21.32	21.36	21.40	0.00	22.00
		12	13	22.52	22.51	22.53	2.00	23.20	21.30	21.30	21.37	0.00	22.00
		25	0	22.43	22.40	22.42	2.00	23.20	21.19	21.22	21.25	0.00	22.00
	64QAM	1	0	22.64	22.61	22.82	2.00	23.20	21.44	21.54	21.63	0.00	22.00
		1	12	22.71	22.70	22.81	2.00	23.20	21.55	21.62	21.62	0.00	22.00
		1	24	22.69	22.61	22.69	2.00	23.20	21.52	21.57	21.50	0.00	22.00
		12	0	21.43	21.48	21.49	3.00	22.20	21.21	21.28	21.25	0.00	22.00
		12	7	21.45	21.49	21.51	3.00	22.20	21.27	21.29	21.32	0.00	22.00
		12	13	21.42	21.45	21.46	3.00	22.20	21.19	21.25	21.26	0.00	22.00
		25	0	21.46	21.43	21.47	3.00	22.20	21.27	21.27	21.30	0.00	22.00
	256QAM	1	0	19.51	19.56	19.70	5.00	20.20	20.00	20.05	20.16	1.30	20.70
		1	12	19.60	19.72	19.75	5.00	20.20	20.19	20.19	20.25	1.30	20.70
		1	24	19.60	19.60	19.64	5.00	20.20	20.03	20.09	20.15	1.30	20.70
		12	0	19.51	19.56	19.62	5.00	20.20	19.97	20.11	20.07	1.30	20.70
		12	7	19.57	19.65	19.67	5.00	20.20	20.03	20.12	20.12	1.30	20.70
		12	13	19.52	19.60	19.61	5.00	20.20	19.97	20.08	20.11	1.30	20.70
		25	0	19.48	19.56	19.56	5.00	20.20	19.96	20.03	20.06	1.30	20.70

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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	24.34	24.33	24.40	0.00	25.20	21.13	21.17	21.19	0.00	22.00
		1	8	24.38	24.37	24.39	0.00	25.20	21.07	21.07	21.07	0.00	22.00
		1	14	24.32	24.36	24.34	0.00	25.20	21.14	21.15	21.15	0.00	22.00
		8	0	23.47	23.48	23.47	1.00	24.20	21.23	21.26	21.26	0.00	22.00
		8	4	23.46	23.45	23.49	1.00	24.20	21.24	21.27	21.28	0.00	22.00
		8	7	23.49	23.47	23.50	1.00	24.20	21.27	21.30	21.29	0.00	22.00
		15	0	23.48	23.46	23.45	1.00	24.20	21.22	21.29	21.27	0.00	22.00
	16QAM	1	0	23.53	23.53	23.59	1.00	24.20	21.27	21.32	21.34	0.00	22.00
		1	8	23.48	23.47	23.48	1.00	24.20	21.20	21.29	21.25	0.00	22.00
		1	14	23.50	23.49	23.47	1.00	24.20	21.27	21.29	21.26	0.00	22.00
		8	0	22.52	22.53	22.48	2.00	23.20	21.28	21.31	21.29	0.00	22.00
		8	4	22.52	22.56	22.56	2.00	23.20	21.29	21.33	21.31	0.00	22.00
		8	7	22.50	22.52	22.52	2.00	23.20	21.32	21.31	21.32	0.00	22.00
		15	0	22.48	22.47	22.46	2.00	23.20	21.23	21.27	21.27	0.00	22.00
	64QAM	1	0	22.66	22.46	22.63	2.00	23.20	21.24	21.38	21.34	0.00	22.00
		1	8	22.66	22.60	22.68	2.00	23.20	21.39	21.46	21.38	0.00	22.00
		1	14	22.69	22.55	22.60	2.00	23.20	21.36	21.38	21.35	0.00	22.00
		8	0	21.45	21.56	21.63	3.00	22.20	21.35	21.25	21.36	0.00	22.00
		8	4	21.48	21.55	21.60	3.00	22.20	21.32	21.26	21.38	0.00	22.00
		8	7	21.48	21.57	21.62	3.00	22.20	21.38	21.27	21.35	0.00	22.00
		15	0	21.55	21.52	21.60	3.00	22.20	21.32	21.33	21.35	0.00	22.00
	256QAM	1	0	19.36	19.37	19.37	5.00	20.20	19.84	19.85	19.83	1.30	20.70
		1	8	19.50	19.37	19.38	5.00	20.20	19.75	19.99	19.72	1.30	20.70
		1	14	19.39	19.31	19.39	5.00	20.20	19.71	19.89	19.77	1.30	20.70
		8	0	19.63	19.51	19.51	5.00	20.20	19.87	20.15	19.95	1.30	20.70
		8	4	19.59	19.50	19.55	5.00	20.20	19.91	20.11	19.98	1.30	20.70
		8	7	19.61	19.54	19.55	5.00	20.20	19.92	20.20	19.97	1.30	20.70
		15	0	19.60	19.67	19.69	5.00	20.20	20.03	20.10	20.12	1.30	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
				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	24.36	24.40	24.35	0.00	25.20	21.07	21.17	21.09	0.00	22.00
		1	3	24.38	24.42	24.37	0.00	25.20	21.13	21.21	21.14	0.00	22.00
		1	5	24.37	24.38	24.35	0.00	25.20	21.06	21.16	21.10	0.00	22.00
		3	0	24.34	24.34	24.31	0.00	25.20	21.04	21.11	21.06	0.00	22.00
		3	1	24.38	24.42	24.32	0.00	25.20	21.14	21.18	21.14	0.00	22.00
		3	3	24.32	24.43	24.39	0.00	25.20	21.14	21.21	21.12	0.00	22.00
		6	0	23.34	23.43	23.36	1.00	24.20	21.18	21.20	21.19	0.00	22.00
	16QAM	1	0	23.40	23.77	23.38	1.00	24.20	21.16	21.77	21.27	0.00	22.00
		1	3	23.53	23.91	23.47	1.00	24.20	21.33	21.91	21.42	0.00	22.00
		1	5	23.39	23.73	23.47	1.00	24.20	21.24	21.75	21.35	0.00	22.00
		3	0	23.51	23.70	23.62	1.00	24.20	21.33	21.33	21.36	0.00	22.00
		3	1	23.60	23.70	23.64	1.00	24.20	21.45	21.40	21.57	0.00	22.00
		3	3	23.59	23.67	23.65	1.00	24.20	21.45	21.34	21.42	0.00	22.00
		6	0	22.58	22.37	22.63	2.00	23.20	21.36	21.13	21.42	0.00	22.00
	64QAM	1	0	22.46	22.74	22.55	2.00	23.20	21.70	21.60	21.53	0.00	22.00
		1	3	22.47	22.80	22.59	2.00	23.20	21.80	21.65	21.55	0.00	22.00
		1	5	22.42	22.77	22.51	2.00	23.20	21.70	21.63	21.52	0.00	22.00
		3	0	22.54	22.47	22.58	2.00	23.20	21.55	21.19	21.20	0.00	22.00
		3	1	22.59	22.51	22.65	2.00	23.20	21.52	21.23	21.23	0.00	22.00
		3	3	22.54	22.47	22.63	2.00	23.20	21.60	21.23	21.23	0.00	22.00
		6	0	21.71	21.54	21.74	3.00	22.20	21.20	21.34	21.27	0.00	22.00
	256QAM	1	0	19.30	19.54	19.61	5.00	20.20	19.94	19.91	19.88	1.30	20.70
		1	3	19.48	19.53	19.70	5.00	20.20	20.10	19.95	19.96	1.30	20.70
		1	5	19.44	19.48	19.58	5.00	20.20	19.95	19.90	19.88	1.30	20.70
		3	0	19.54	19.61	19.45	5.00	20.20	19.83	20.06	20.04	1.30	20.70
		3	1	19.59	19.60	19.51	5.00	20.20	19.89	20.09	20.08	1.30	20.70
		3	3	19.62	19.64	19.47	5.00	20.20	19.85	20.09	20.05	1.30	20.70
		6	0	19.51	19.56	19.43	5.00	20.20	19.76	20.00	19.96	1.30	20.70

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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	19.90	19.81	19.81	0.00	20.80	20.85	20.85	20.70	0.00	21.50
		1	49	19.90	19.91	19.85	0.00	20.80	20.86	20.90	20.79	0.00	21.50
		1	99	19.82	19.81	19.70	0.00	20.80	20.86	20.84	20.76	0.00	21.50
		50	0	19.90	19.90	19.78	0.00	20.80	20.93	20.95	20.83	0.00	21.50
		50	24	19.99	19.92	19.83	0.00	20.80	20.98	20.95	20.89	0.00	21.50
		50	50	19.92	19.86	19.78	0.00	20.80	20.93	20.90	20.86	0.00	21.50
		100	0	19.85	19.88	19.80	0.00	20.80	20.91	20.91	20.80	0.00	21.50
	16QAM	1	0	19.77	19.67	19.60	0.00	20.80	20.74	20.70	20.67	0.00	21.50
		1	49	19.68	19.67	19.51	0.00	20.80	20.69	20.66	20.64	0.00	21.50
		1	99	19.69	19.67	19.50	0.00	20.80	20.67	20.66	20.57	0.00	21.50
		50	0	19.58	19.62	19.45	0.00	20.80	20.32	20.31	20.19	0.00	21.50
		50	24	19.65	19.61	19.53	0.00	20.80	20.36	20.34	20.29	0.00	21.50
		50	50	19.61	19.59	19.49	0.00	20.80	20.34	20.32	20.23	0.00	21.50
		100	0	19.65	19.62	19.46	0.00	20.80	20.37	20.35	20.18	0.00	21.50
	64QAM	1	0	19.63	19.76	19.72	0.00	20.80	20.66	20.64	20.47	0.00	21.50
		1	49	19.61	19.76	19.68	0.00	20.80	20.58	20.66	20.44	0.00	21.50
		1	99	19.67	19.86	19.76	0.00	20.80	20.62	20.70	20.50	0.00	21.50
		50	0	19.68	19.64	19.51	0.10	20.70	20.06	20.03	19.96	0.80	20.70
		50	24	19.74	19.64	19.56	0.10	20.70	20.02	20.06	20.02	0.80	20.70
		50	50	19.70	19.58	19.56	0.10	20.70	20.08	20.03	19.99	0.80	20.70
		100	0	19.68	19.58	19.50	0.10	20.70	20.01	20.08	19.93	0.80	20.70
	256QAM	1	0	18.19	18.31	18.40	2.10	18.70	18.02	17.82	18.07	2.80	18.70
		1	49	18.18	18.38	18.31	2.10	18.70	18.07	17.85	18.01	2.80	18.70
		1	99	18.15	18.30	18.40	2.10	18.70	18.03	17.75	18.04	2.80	18.70
		50	0	18.27	18.20	18.25	2.10	18.70	17.99	17.93	17.92	2.80	18.70
		50	24	18.35	18.28	18.24	2.10	18.70	18.06	18.00	17.94	2.80	18.70
		50	50	18.31	18.26	18.21	2.10	18.70	18.01	17.96	17.89	2.80	18.70
		100	0	18.34	18.22	18.22	2.10	18.70	18.00	17.98	17.87	2.80	18.70

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	19.61	19.52	19.52	0.00	20.80	20.34	20.27	20.29	0.00	21.50
		1	37	19.60	19.53	19.46	0.00	20.80	20.30	20.23	20.19	0.00	21.50
		1	74	19.57	19.54	19.45	0.00	20.80	20.29	20.25	20.18	0.00	21.50
		36	0	19.67	19.60	19.49	0.00	20.80	20.39	20.31	20.20	0.00	21.50
		36	20	19.70	19.61	19.48	0.00	20.80	20.42	20.34	20.21	0.00	21.50
		36	39	19.64	19.60	19.50	0.00	20.80	20.40	20.30	20.25	0.00	21.50
		75	0	19.64	19.59	19.42	0.00	20.80	20.38	20.28	20.16	0.00	21.50
	16QAM	1	0	19.79	19.59	19.47	0.00	20.80	20.81	20.72	20.66	0.00	21.50
		1	37	19.77	19.73	19.53	0.00	20.80	20.77	20.74	20.56	0.00	21.50
		1	74	19.72	19.75	19.72	0.00	20.80	20.74	20.72	20.77	0.00	21.50
		36	0	19.66	19.60	19.44	0.00	20.80	20.38	20.28	20.17	0.00	21.50
		36	20	19.70	19.64	19.46	0.00	20.80	20.42	20.34	20.19	0.00	21.50
		36	39	19.65	19.60	19.53	0.00	20.80	20.36	20.32	20.24	0.00	21.50
		75	0	19.67	19.60	19.47	0.00	20.80	20.39	20.32	20.17	0.00	21.50
	64QAM	1	0	19.76	19.73	19.49	0.00	20.80	20.74	20.83	20.84	0.00	21.50
		1	37	19.84	19.77	19.48	0.00	20.80	20.81	20.84	20.86	0.00	21.50
		1	74	19.80	19.85	19.51	0.00	20.80	20.74	20.83	20.87	0.00	21.50
		36	0	19.66	19.57	19.51	0.10	20.70	19.94	20.04	19.92	0.80	20.70
		36	20	19.70	19.61	19.50	0.10	20.70	19.95	20.05	19.92	0.80	20.70
		36	39	19.66	19.57	19.56	0.10	20.70	20.10	20.04	19.97	0.80	20.70
		75	0	19.70	19.59	19.45	0.10	20.70	20.10	20.07	19.91	0.80	20.70
	256QAM	1	0	18.08	18.05	17.70	2.10	18.70	17.75	18.05	18.10	2.80	18.70
		1	37	18.03	18.10	17.70	2.10	18.70	17.82	18.08	18.09	2.80	18.70
		1	74	18.08	18.10	17.68	2.10	18.70	17.80	18.09	18.10	2.80	18.70
		36	0	17.94	18.01	17.93	2.10	18.70	17.97	17.95	17.95	2.80	18.70
		36	20	18.05	18.04	17.95	2.10	18.70	18.08	17.99	17.98	2.80	18.70
		36	39	18.00	18.01	17.93	2.10	18.70	18.04	17.96	17.94	2.80	18.70
		75	0	17.99	17.97	17.92	2.10	18.70	18.00	17.95	17.92	2.80	18.70

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LTE Band 66 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				132022.00	132322.00	132622.00	MPR	Tune-up Limit	132022.00	132322.00	132622.00	MPR	Tune-up Limit
				1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	19.52	19.40	19.33	0.00	20.80	20.58	20.46	20.49	0.00	21.50
		1	25	19.45	19.37	19.34	0.00	20.80	20.51	20.45	20.39	0.00	21.50
		1	49	19.50	19.45	19.41	0.00	20.80	20.49	20.51	20.45	0.00	21.50
		25	0	19.64	19.55	19.44	0.00	20.80	20.68	20.62	20.51	0.00	21.50
		25	12	19.66	19.58	19.45	0.00	20.80	20.70	20.63	20.50	0.00	21.50
		25	25	19.61	19.52	19.49	0.00	20.80	20.67	20.58	20.56	0.00	21.50
		50	0	19.63	19.54	19.44	0.00	20.80	20.68	20.60	20.47	0.00	21.50
	16QAM	1	0	19.68	19.57	19.48	0.00	20.80	20.68	20.63	20.56	0.00	21.50
		1	25	19.58	19.50	19.37	0.00	20.80	20.59	20.53	20.47	0.00	21.50
		1	49	19.58	19.55	19.47	0.00	20.80	20.61	20.56	20.57	0.00	21.50
		25	0	19.72	19.66	19.53	0.00	20.80	20.75	20.69	20.58	0.00	21.50
		25	12	19.75	19.67	19.55	0.00	20.80	20.79	20.71	20.60	0.00	21.50
		25	25	19.71	19.63	19.58	0.00	20.80	20.74	20.68	20.63	0.00	21.50
		50	0	19.66	19.61	19.48	0.00	20.80	20.71	20.62	20.50	0.00	21.50
	64QAM	1	0	19.74	19.62	19.63	0.00	20.80	20.78	20.71	20.70	0.00	21.50
		1	25	19.79	19.66	19.65	0.00	20.80	20.81	20.83	20.71	0.00	21.50
		1	49	19.73	19.63	19.62	0.00	20.80	20.80	20.74	20.67	0.00	21.50
		25	0	19.73	19.64	19.53	0.10	20.70	20.36	20.39	20.28	0.80	20.70
		25	12	19.72	19.64	19.51	0.10	20.70	20.38	20.40	20.30	0.80	20.70
		25	25	19.69	19.62	19.56	0.10	20.70	20.35	20.40	20.37	0.80	20.70
		50	0	19.63	19.57	19.44	0.10	20.70	20.40	20.32	20.20	0.80	20.70
	256QAM	1	0	17.53	17.81	18.00	2.10	18.70	18.08	18.27	18.35	2.80	18.70
		1	25	17.54	17.80	17.97	2.10	18.70	18.06	18.32	18.34	2.80	18.70
		1	49	17.51	17.80	17.92	2.10	18.70	18.20	18.32	18.36	2.80	18.70
		25	0	18.06	18.08	18.06	2.10	18.70	18.31	18.39	18.24	2.80	18.70
		25	12	18.05	18.10	18.04	2.10	18.70	18.34	18.32	18.27	2.80	18.70
		25	25	18.10	18.06	18.02	2.10	18.70	18.31	18.39	18.28	2.80	18.70
		50	0	18.01	18.05	18.01	2.10	18.70	18.35	18.34	18.27	2.80	18.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131997.00	132322.00	132647.00	MPR	Tune-up Limit	131997.00	132322.00	132647.00	MPR	Tune-up Limit
				1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	19.65	19.47	19.45	0.00	20.80	20.63	20.55	20.53	0.00	21.50
		1	12	19.60	19.50	19.48	0.00	20.80	20.66	20.56	20.55	0.00	21.50
		1	24	19.56	19.44	19.42	0.00	20.80	20.59	20.53	20.49	0.00	21.50
		12	0	19.61	19.54	19.52	0.00	20.80	20.69	20.59	20.56	0.00	21.50
		12	7	19.67	19.59	19.53	0.00	20.80	20.72	20.63	20.61	0.00	21.50
		12	13	19.62	19.54	19.50	0.00	20.80	20.68	20.59	20.57	0.00	21.50
		25	0	19.59	19.51	19.50	0.00	20.80	20.64	20.58	20.56	0.00	21.50
	16QAM	1	0	19.74	19.63	19.60	0.00	20.80	20.77	20.67	20.64	0.00	21.50
		1	12	19.78	19.68	19.66	0.00	20.80	20.80	20.75	20.68	0.00	21.50
		1	24	19.70	19.61	19.54	0.00	20.80	20.75	20.69	20.61	0.00	21.50
		12	0	19.69	19.61	19.57	0.00	20.80	20.70	20.65	20.63	0.00	21.50
		12	7	19.71	19.62	19.59	0.00	20.80	20.76	20.67	20.65	0.00	21.50
		12	13	19.71	19.65	19.59	0.00	20.80	20.73	20.63	20.60	0.00	21.50
		25	0	19.57	19.48	19.47	0.00	20.80	20.59	20.56	20.51	0.00	21.50
	64QAM	1	0	19.56	19.71	19.68	0.00	20.80	20.87	20.77	20.75	0.00	21.50
		1	12	19.57	19.78	19.70	0.00	20.80	20.88	20.79	20.77	0.00	21.50
		1	24	19.54	19.70	19.68	0.00	20.80	20.85	20.79	20.76	0.00	21.50
		12	0	19.66	19.59	19.57	0.10	20.70	20.34	20.37	20.34	0.80	20.70
		12	7	19.70	19.59	19.60	0.10	20.70	20.36	20.37	20.32	0.80	20.70
		12	13	19.68	19.59	19.53	0.10	20.70	20.32	20.36	20.34	0.80	20.70
		25	0	19.61	19.51	19.47	0.10	20.70	20.37	20.28	20.26	0.80	20.70
	256QAM	1	0	17.78	18.00	17.91	2.10	18.70	18.32	18.18	18.01	2.80	18.70
		1	12	17.91	18.01	17.98	2.10	18.70	18.37	18.32	18.06	2.80	18.70
		1	24	17.79	18.09	17.89	2.10	18.70	18.40	18.25	18.03	2.80	18.70
		12	0	18.05	18.01	17.94	2.10	18.70	18.38	18.28	18.19	2.80	18.70
		12	7	18.09	18.07	17.99	2.10	18.70	18.40	18.32	18.27	2.80	18.70
		12	13	18.02	18.03	17.96	2.10	18.70	18.37	18.27	18.21	2.80	18.70
		25	0	18.03	17.99	17.96	2.10	18.70	18.35	18.30	18.26	2.80	18.70

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LTE Band 66 Measured Results (ANT4) (continued)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131987.00	132322.00	132657.00	MPR	Tune-up Limit	131987.00	132322.00	132657.00	MPR	Tune-up Limit
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	19.49	19.45	19.43	0.00	20.80	20.57	20.49	20.51	0.00	21.50
		1	8	19.42	19.33	19.40	0.00	20.80	20.50	20.41	20.37	0.00	21.50
		1	14	19.51	19.39	19.41	0.00	20.80	20.56	20.50	20.46	0.00	21.50
		8	0	19.61	19.50	19.51	0.00	20.80	20.66	20.59	20.55	0.00	21.50
		8	4	19.59	19.51	19.51	0.00	20.80	20.68	20.59	20.57	0.00	21.50
		8	7	19.64	19.54	19.53	0.00	20.80	20.69	20.62	20.60	0.00	21.50
		15	0	19.61	19.51	19.51	0.00	20.80	20.66	20.57	20.57	0.00	21.50
	16QAM	1	0	19.56	19.62	19.60	0.00	20.80	20.57	20.63	20.65	0.00	21.50
		1	8	19.50	19.55	19.51	0.00	20.80	20.52	20.58	20.56	0.00	21.50
		1	14	19.51	19.59	19.51	0.00	20.80	20.53	20.60	20.61	0.00	21.50
		8	0	19.75	19.60	19.53	0.00	20.80	20.78	20.62	20.59	0.00	21.50
		8	4	19.71	19.58	19.55	0.00	20.80	20.74	20.64	20.62	0.00	21.50
		8	7	19.73	19.60	19.55	0.00	20.80	20.77	20.66	20.59	0.00	21.50
		15	0	19.66	19.53	19.54	0.00	20.80	20.69	20.58	20.55	0.00	21.50
	64QAM	1	0	19.63	19.54	19.53	0.00	20.80	20.94	20.88	20.81	0.00	21.50
		1	8	19.57	19.54	19.54	0.00	20.80	20.87	20.86	20.76	0.00	21.50
		1	14	19.58	19.55	19.57	0.00	20.80	20.88	20.86	20.76	0.00	21.50
		8	0	19.71	19.65	19.64	0.10	20.70	20.33	20.24	20.20	0.80	20.70
		8	4	19.70	19.64	19.62	0.10	20.70	20.35	20.28	20.22	0.80	20.70
		8	7	19.71	19.65	19.63	0.10	20.70	20.36	20.29	20.27	0.80	20.70
		15	0	19.61	19.56	19.54	0.10	20.70	20.40	20.32	20.28	0.80	20.70
	256QAM	1	0	18.04	18.09	17.75	2.10	18.70	17.93	18.04	18.14	2.80	18.70
		1	8	18.10	18.08	17.63	2.10	18.70	17.95	17.99	18.25	2.80	18.70
		1	14	17.98	18.08	17.69	2.10	18.70	17.94	18.06	18.13	2.80	18.70
		8	0	17.81	18.07	17.86	2.10	18.70	18.33	18.23	18.37	2.80	18.70
		8	4	17.88	17.83	17.86	2.10	18.70	18.35	18.25	18.33	2.80	18.70
		8	7	17.89	18.03	17.91	2.10	18.70	18.33	18.26	18.36	2.80	18.70
		15	0	17.81	18.06	18.05	2.10	18.70	18.39	18.40	18.29	2.80	18.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
				131979.00	132322.00	132665.00	MPR	Tune-up Limit	131979.00	132322.00	132665.00	MPR	Tune-up Limit
				1710.7 MHz	1745 MHz	1779.3 MHz			1710.7 MHz	1745 MHz	1779.3 MHz		
1.4 MHz	QPSK	1	0	19.52	19.36	19.35	0.00	20.80	20.51	20.45	20.44	0.00	21.50
		1	3	19.62	19.40	19.38	0.00	20.80	20.58	20.47	20.46	0.00	21.50
		1	5	19.52	19.37	19.35	0.00	20.80	20.49	20.45	20.41	0.00	21.50
		3	0	19.43	19.31	19.35	0.00	20.80	20.45	20.41	20.35	0.00	21.50
		3	1	19.49	19.40	19.40	0.00	20.80	20.54	20.46	20.40	0.00	21.50
		3	3	19.45	19.36	19.34	0.00	20.80	20.51	20.41	20.40	0.00	21.50
		6	0	19.54	19.47	19.45	0.00	20.80	20.61	20.53	20.48	0.00	21.50
	16QAM	1	0	19.66	19.54	19.39	0.00	20.80	20.59	20.56	20.48	0.00	21.50
		1	3	19.61	19.64	19.50	0.00	20.80	20.67	20.68	20.55	0.00	21.50
		1	5	19.67	19.56	19.43	0.00	20.80	20.60	20.56	20.49	0.00	21.50
		3	0	19.62	19.65	19.59	0.00	20.80	20.74	20.69	20.62	0.00	21.50
		3	1	19.66	19.76	19.65	0.00	20.80	20.85	20.79	20.77	0.00	21.50
		3	3	19.66	19.76	19.67	0.00	20.80	20.88	20.77	20.70	0.00	21.50
		6	0	19.77	19.66	19.63	0.00	20.80	20.79	20.73	20.67	0.00	21.50
	64QAM	1	0	19.52	19.55	19.53	0.00	20.80	20.89	20.78	20.58	0.00	21.50
		1	3	19.57	19.57	19.54	0.00	20.80	20.95	20.83	20.61	0.00	21.50
		1	5	19.54	19.50	19.47	0.00	20.80	20.91	20.81	20.54	0.00	21.50
		3	0	19.54	19.61	19.53	0.10	20.70	20.57	20.54	20.63	0.00	21.50
		3	1	19.58	19.67	19.60	0.10	20.70	20.61	20.55	20.71	0.00	21.50
		3	3	19.56	19.67	19.59	0.10	20.70	20.58	20.53	20.66	0.00	21.50
		6	0	19.63	19.77	19.74	0.10	20.70	20.38	20.34	20.40	0.80	20.70
	256QAM	1	0	18.04	18.07	17.67	2.10	18.70	18.24	18.32	17.95	2.80	18.70
		1	3	18.07	18.00	18.02	2.10	18.70	18.34	18.40	18.36	2.80	18.70
		1	5	17.97	18.05	18.03	2.10	18.70	18.19	18.30	18.29	2.80	18.70
		3	0	17.92	17.95	17.84	2.10	18.70	18.35	18.17	18.14	2.80	18.70
		3	1	17.97	17.95	17.92	2.10	18.70	18.40	18.25	18.23	2.80	18.70
		3	3	17.95	17.96	17.89	2.10	18.70	18.32	18.20	18.18	2.80	18.70
		6	0	17.91	17.81	17.80	2.10	18.70	18.30	18.13	18.06	2.80	18.70

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LTE Band 71 Measured Results (ANT1)

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm) 133297.00 / 680.5 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 133297.00 / 680.5 MHz	MPR	Tune-up Limit
20 MHz	QPSK	1	0	25.00	0.00	25.70	25.00	0.00	25.70
		1	49	25.08	0.00	25.70	25.08	0.00	25.70
		1	99	25.05	0.00	25.70	25.05	0.00	25.70
		50	0	24.69	1.00	24.70	24.69	1.00	24.70
		50	24	24.70	1.00	24.70	24.70	1.00	24.70
		50	50	24.70	1.00	24.70	24.70	1.00	24.70
		100	0	24.70	1.00	24.70	24.70	1.00	24.70
	16QAM	1	0	24.43	1.00	24.70	24.43	1.00	24.70
		1	49	24.33	1.00	24.70	24.33	1.00	24.70
		1	99	24.39	1.00	24.70	24.39	1.00	24.70
		50	0	22.99	2.00	23.70	22.99	2.00	23.70
		50	24	23.02	2.00	23.70	23.02	2.00	23.70
		50	50	23.00	2.00	23.70	23.00	2.00	23.70
		100	0	23.03	2.00	23.70	23.03	2.00	23.70
	64QAM	1	0	23.23	2.00	23.70	23.23	2.00	23.70
		1	49	23.18	2.00	23.70	23.18	2.00	23.70
		1	99	23.36	2.00	23.70	23.36	2.00	23.70
		50	0	22.05	3.00	22.70	22.05	3.00	22.70
		50	24	22.07	3.00	22.70	22.07	3.00	22.70
		50	50	22.08	3.00	22.70	22.08	3.00	22.70
		100	0	22.06	3.00	22.70	22.06	3.00	22.70
	256QAM	1	0	19.97	5.00	20.70	19.97	5.00	20.70
		1	49	19.99	5.00	20.70	19.99	5.00	20.70
		1	99	19.95	5.00	20.70	19.95	5.00	20.70
		50	0	19.93	5.00	20.70	19.93	5.00	20.70
		50	24	19.97	5.00	20.70	19.97	5.00	20.70
		50	50	19.95	5.00	20.70	19.95	5.00	20.70
		100	0	19.94	5.00	20.70	19.94	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm) 133297.00 / 680.5 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 133297.00 / 680.5 MHz	MPR	Tune-up Limit
15 MHz	QPSK	1	0	25.00	0.00	25.70	25.00	0.00	25.70
		1	37	25.13	0.00	25.70	25.13	0.00	25.70
		1	74	25.10	0.00	25.70	25.10	0.00	25.70
		36	0	24.02	1.00	24.70	24.02	1.00	24.70
		36	20	24.01	1.00	24.70	24.01	1.00	24.70
		36	39	23.96	1.00	24.70	23.96	1.00	24.70
		75	0	24.00	1.00	24.70	24.00	1.00	24.70
	16QAM	1	0	24.48	1.00	24.70	24.48	1.00	24.70
		1	37	24.40	1.00	24.70	24.40	1.00	24.70
		1	74	24.58	1.00	24.70	24.58	1.00	24.70
		36	0	22.98	2.00	23.70	22.98	2.00	23.70
		36	20	23.02	2.00	23.70	23.02	2.00	23.70
		36	39	22.98	2.00	23.70	22.98	2.00	23.70
		75	0	23.01	2.00	23.70	23.01	2.00	23.70
	64QAM	1	0	23.61	2.00	23.70	23.61	2.00	23.70
		1	37	23.59	2.00	23.70	23.59	2.00	23.70
		1	74	23.70	2.00	23.70	23.70	2.00	23.70
		36	0	22.02	3.00	22.70	22.02	3.00	22.70
		36	20	22.07	3.00	22.70	22.07	3.00	22.70
		36	39	22.01	3.00	22.70	22.01	3.00	22.70
		75	0	22.09	3.00	22.70	22.09	3.00	22.70
	256QAM	1	0	19.94	5.00	20.70	19.94	5.00	20.70
		1	37	19.92	5.00	20.70	19.92	5.00	20.70
		1	74	19.96	5.00	20.70	19.96	5.00	20.70
		36	0	19.87	5.00	20.70	19.87	5.00	20.70
		36	20	19.90	5.00	20.70	19.90	5.00	20.70
		36	39	19.85	5.00	20.70	19.85	5.00	20.70
		75	0	19.89	5.00	20.70	19.89	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	25.14	25.06	25.05	0.00	25.70	25.14	25.06	25.05	0.00	25.70
		1	25	25.05	24.99	25.12	0.00	25.70	25.05	24.99	25.12	0.00	25.70
		1	49	25.04	25.09	25.04	0.00	25.70	25.04	25.09	25.04	0.00	25.70
		25	0	24.68	24.59	24.69	1.00	24.70	24.68	24.59	24.69	1.00	24.70
		25	12	24.07	23.99	24.00	1.00	24.70	24.07	23.99	24.00	1.00	24.70
		25	25	24.01	23.94	24.02	1.00	24.70	24.01	23.94	24.02	1.00	24.70
		50	0	24.03	23.98	23.98	1.00	24.70	24.03	23.98	23.98	1.00	24.70
	16QAM	1	0	24.08	24.03	24.06	1.00	24.70	24.08	24.03	24.06	1.00	24.70
		1	25	23.98	23.91	24.01	1.00	24.70	23.98	23.91	24.01	1.00	24.70
		1	49	24.00	23.98	23.90	1.00	24.70	24.00	23.98	23.90	1.00	24.70
		25	0	23.08	23.03	23.07	2.00	23.70	23.08	23.03	23.07	2.00	23.70
		25	12	23.16	23.10	23.09	2.00	23.70	23.16	23.10	23.09	2.00	23.70
		25	25	23.09	23.06	23.11	2.00	23.70	23.09	23.06	23.11	2.00	23.70
		50	0	23.08	23.01	23.03	2.00	23.70	23.08	23.01	23.03	2.00	23.70
	64QAM	1	0	23.23	23.17	23.18	2.00	23.70	23.23	23.17	23.18	2.00	23.70
		1	25	23.18	23.14	23.25	2.00	23.70	23.18	23.14	23.25	2.00	23.70
		1	49	23.11	23.15	23.14	2.00	23.70	23.11	23.15	23.14	2.00	23.70
		25	0	22.09	22.06	22.11	3.00	22.70	22.09	22.06	22.11	3.00	22.70
		25	12	22.14	22.09	22.12	3.00	22.70	22.14	22.09	22.12	3.00	22.70
		25	25	22.13	22.08	22.16	3.00	22.70	22.13	22.08	22.16	3.00	22.70
		50	0	22.05	22.03	22.03	3.00	22.70	22.05	22.03	22.03	3.00	22.70
	256QAM	1	0	19.93	19.97	19.97	5.00	20.70	19.93	19.97	19.97	5.00	20.70
		1	25	20.10	19.80	19.99	5.00	20.70	20.10	19.80	19.99	5.00	20.70
		1	49	19.95	19.90	19.94	5.00	20.70	19.95	19.90	19.94	5.00	20.70
		25	0	20.00	19.99	19.94	5.00	20.70	20.00	19.99	19.94	5.00	20.70
		25	12	19.95	19.98	19.93	5.00	20.70	19.95	19.98	19.93	5.00	20.70
		25	25	19.97	19.93	19.97	5.00	20.70	19.97	19.93	19.97	5.00	20.70
		50	0	19.91	19.91	19.94	5.00	20.70	19.91	19.91	19.94	5.00	20.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				133147.00	133297.00	133447.00			133147.00	133297.00	133447.00		
				665.5 MHz	680.5 MHz	695.5 MHz			665.5 MHz	680.5 MHz	695.5 MHz		
5 MHz	QPSK	1	0	25.31	25.28	25.36	0.00	25.70	25.31	25.28	25.36	0.00	25.70
		1	12	25.20	25.09	25.15	0.00	25.70	25.20	25.09	25.15	0.00	25.70
		1	24	25.14	25.06	25.14	0.00	25.70	25.14	25.06	25.14	0.00	25.70
		12	0	24.03	23.94	24.03	1.00	24.70	24.03	23.94	24.03	1.00	24.70
		12	7	24.07	23.97	24.02	1.00	24.70	24.07	23.97	24.02	1.00	24.70
		12	13	24.02	23.90	23.92	1.00	24.70	24.02	23.90	23.92	1.00	24.70
		25	0	24.03	23.94	23.99	1.00	24.70	24.03	23.94	23.99	1.00	24.70
	16QAM	1	0	24.19	24.14	24.27	1.00	24.70	24.19	24.14	24.27	1.00	24.70
		1	12	24.21	24.11	24.10	1.00	24.70	24.21	24.11	24.10	1.00	24.70
		1	24	24.13	24.01	24.08	1.00	24.70	24.13	24.01	24.08	1.00	24.70
		12	0	23.07	22.99	23.14	2.00	23.70	23.07	22.99	23.14	2.00	23.70
		12	7	23.13	23.03	23.08	2.00	23.70	23.13	23.03	23.08	2.00	23.70
		12	13	23.05	22.96	23.00	2.00	23.70	23.05	22.96	23.00	2.00	23.70
		25	0	23.02	22.88	23.03	2.00	23.70	23.02	22.88	23.03	2.00	23.70
	64QAM	1	0	23.22	23.22	23.35	2.00	23.70	23.22	23.22	23.35	2.00	23.70
		1	12	23.27	23.18	23.21	2.00	23.70	23.27	23.18	23.21	2.00	23.70
		1	24	23.26	23.15	23.16	2.00	23.70	23.26	23.15	23.16	2.00	23.70
		12	0	22.10	22.01	22.12	3.00	22.70	22.10	22.01	22.12	3.00	22.70
		12	7	22.12	22.03	22.10	3.00	22.70	22.12	22.03	22.10	3.00	22.70
		12	13	22.05	21.99	22.04	3.00	22.70	22.05	21.99	22.04	3.00	22.70
		25	0	22.05	22.00	22.02	3.00	22.70	22.05	22.00	22.02	3.00	22.70
	256QAM	1	0	19.98	19.84	19.99	5.00	20.70	19.98	19.84	19.99	5.00	20.70
		1	12	19.93	19.83	19.99	5.00	20.70	19.93	19.83	19.99	5.00	20.70
		1	24	19.92	19.80	19.94	5.00	20.70	19.92	19.80	19.94	5.00	20.70
		12	0	19.80	20.03	19.98	5.00	20.70	19.80	20.03	19.98	5.00	20.70
		12	7	19.99	19.82	19.91	5.00	20.70	19.99	19.82	19.91	5.00	20.70
		12	13	19.91	19.94	20.00	5.00	20.70	19.91	19.94	20.00	5.00	20.70
		25	0	19.92	19.93	19.90	5.00	20.70	19.92	19.93	19.90	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 / 680.5 MHz	MPR	Tune-up Limit	133297 / 680.5 MHz	MPR	Tune-up Limit
20 MHz	QPSK	1	0	24.26	0.00	24.70	24.26	0.00	24.70
		1	49	24.26	0.00	24.70	24.26	0.00	24.70
		1	99	24.21	0.00	24.70	24.21	0.00	24.70
		50	0	23.33	1.00	23.70	23.33	1.00	23.70
		50	24	23.37	1.00	23.70	23.37	1.00	23.70
		50	50	23.24	1.00	23.70	23.24	1.00	23.70
		100	0	23.34	1.00	23.70	23.34	1.00	23.70
	16QAM	1	0	23.69	1.00	23.70	23.69	1.00	23.70
		1	49	23.68	1.00	23.70	23.68	1.00	23.70
		1	99	23.64	1.00	23.70	23.64	1.00	23.70
		50	0	22.30	2.00	22.70	22.30	2.00	22.70
		50	24	22.34	2.00	22.70	22.34	2.00	22.70
		50	50	22.27	2.00	22.70	22.27	2.00	22.70
		100	0	22.36	2.00	22.70	22.36	2.00	22.70
	64QAM	1	0	22.43	2.00	22.70	22.43	2.00	22.70
		1	49	22.64	2.00	22.70	22.64	2.00	22.70
		1	99	22.50	2.00	22.70	22.50	2.00	22.70
		50	0	21.37	3.00	21.70	21.37	3.00	21.70
		50	24	21.41	3.00	21.70	21.41	3.00	21.70
		50	50	21.36	3.00	21.70	21.36	3.00	21.70
		100	0	21.38	3.00	21.70	21.38	3.00	21.70
	256QAM	1	0	19.20	5.00	19.70	19.20	5.00	19.70
		1	25	19.32	5.00	19.70	19.32	5.00	19.70
		1	49	19.29	5.00	19.70	19.29	5.00	19.70
		25	0	19.40	5.00	19.70	19.40	5.00	19.70
		25	12	19.44	5.00	19.70	19.44	5.00	19.70
		25	25	19.38	5.00	19.70	19.38	5.00	19.70
		50	0	19.42	5.00	19.70	19.42	5.00	19.70

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
15 MHz	QPSK	1	0	24.29	0.00	24.70	24.29	0.00	24.70
		1	37	24.25	0.00	24.70	24.25	0.00	24.70
		1	74	24.24	0.00	24.70	24.24	0.00	24.70
		36	0	23.28	1.00	23.70	23.28	1.00	23.70
		36	20	23.38	1.00	23.70	23.38	1.00	23.70
		36	39	23.29	1.00	23.70	23.29	1.00	23.70
		75	0	23.33	1.00	23.70	23.33	1.00	23.70
	16QAM	1	0	23.45	1.00	23.70	23.45	1.00	23.70
		1	37	23.40	1.00	23.70	23.40	1.00	23.70
		1	74	23.37	1.00	23.70	23.37	1.00	23.70
		36	0	22.28	2.00	22.70	22.28	2.00	22.70
		36	20	22.34	2.00	22.70	22.34	2.00	22.70
		36	39	22.28	2.00	22.70	22.28	2.00	22.70
		75	0	22.32	2.00	22.70	22.32	2.00	22.70
	64QAM	1	0	22.35	2.00	22.70	22.35	2.00	22.70
		1	37	22.40	2.00	22.70	22.40	2.00	22.70
		1	74	22.30	2.00	22.70	22.30	2.00	22.70
		36	0	21.34	3.00	21.70	21.34	3.00	21.70
		36	20	21.40	3.00	21.70	21.40	3.00	21.70
		36	39	21.31	3.00	21.70	21.31	3.00	21.70
		75	0	21.38	3.00	21.70	21.38	3.00	21.70
	256QAM	1	0	19.39	5.00	19.70	19.39	5.00	19.70
		1	37	19.64	5.00	19.70	19.64	5.00	19.70
		1	74	19.48	5.00	19.70	19.48	5.00	19.70
		36	0	19.34	5.00	19.70	19.34	5.00	19.70
		36	20	19.41	5.00	19.70	19.41	5.00	19.70
		36	39	19.33	5.00	19.70	19.33	5.00	19.70
		75	0	19.37	5.00	19.70	19.37	5.00	19.70

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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	24.20	24.23	24.25	0.00	24.70	24.20	24.23	24.25	0.00	24.70
		1	25	24.19	24.22	24.24	0.00	24.70	24.19	24.22	24.24	0.00	24.70
		1	49	24.11	24.16	24.23	0.00	24.70	24.11	24.16	24.23	0.00	24.70
		25	0	23.28	23.28	23.35	1.00	23.70	23.28	23.28	23.35	1.00	23.70
		25	12	23.40	23.36	23.35	1.00	23.70	23.40	23.36	23.35	1.00	23.70
		25	25	23.31	23.36	23.36	1.00	23.70	23.31	23.36	23.36	1.00	23.70
		50	0	23.35	23.38	23.32	1.00	23.70	23.35	23.38	23.32	1.00	23.70
	16QAM	1	0	23.46	23.37	23.29	1.00	23.70	23.46	23.37	23.29	1.00	23.70
		1	25	23.31	23.29	23.26	1.00	23.70	23.31	23.29	23.26	1.00	23.70
		1	49	23.23	23.30	23.21	1.00	23.70	23.23	23.30	23.21	1.00	23.70
		25	0	22.36	22.37	22.35	2.00	22.70	22.36	22.37	22.35	2.00	22.70
		25	12	22.48	22.49	22.34	2.00	22.70	22.48	22.49	22.34	2.00	22.70
		25	25	22.41	22.44	22.37	2.00	22.70	22.41	22.44	22.37	2.00	22.70
		50	0	22.38	22.41	22.27	2.00	22.70	22.38	22.41	22.27	2.00	22.70
	64QAM	1	0	22.56	22.46	22.49	2.00	22.70	22.56	22.46	22.49	2.00	22.70
		1	25	22.52	22.51	22.53	2.00	22.70	22.52	22.51	22.53	2.00	22.70
		1	49	22.45	22.44	22.43	2.00	22.70	22.45	22.44	22.43	2.00	22.70
		25	0	21.40	21.40	21.40	3.00	21.70	21.40	21.40	21.40	3.00	21.70
		25	12	21.47	21.46	21.41	3.00	21.70	21.47	21.46	21.41	3.00	21.70
		25	25	21.42	21.42	21.45	3.00	21.70	21.42	21.42	21.45	3.00	21.70
		50	0	21.40	21.36	21.33	3.00	21.70	21.40	21.36	21.33	3.00	21.70
	256QAM	1	0	19.39	19.31	19.25	5.00	19.70	19.39	19.31	19.25	5.00	19.70
		1	25	19.39	19.40	19.46	5.00	19.70	19.39	19.40	19.46	5.00	19.70
		1	49	19.29	19.25	19.29	5.00	19.70	19.29	19.25	19.29	5.00	19.70
		25	0	19.46	19.40	19.45	5.00	19.70	19.46	19.40	19.45	5.00	19.70
		25	12	19.50	19.48	19.43	5.00	19.70	19.50	19.48	19.43	5.00	19.70
		25	25	19.42	19.39	19.41	5.00	19.70	19.42	19.39	19.41	5.00	19.70
		50	0	19.46	19.39	19.36	5.00	19.70	19.46	19.39	19.36	5.00	19.70

BW (MHz)	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
				133147	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	24.31	24.45	24.48	0.00	24.70	24.31	24.45	24.48	0.00	24.70
		1	12	24.29	24.31	24.29	0.00	24.70	24.29	24.31	24.29	0.00	24.70
		1	24	24.26	24.28	24.21	0.00	24.70	24.26	24.28	24.21	0.00	24.70
		12	0	23.31	23.32	23.38	1.00	23.70	23.31	23.32	23.38	1.00	23.70
		12	7	23.36	23.37	23.33	1.00	23.70	23.36	23.37	23.33	1.00	23.70
		12	13	23.29	23.30	23.27	1.00	23.70	23.29	23.30	23.27	1.00	23.70
		25	0	23.30	23.31	23.31	1.00	23.70	23.30	23.31	23.31	1.00	23.70
	16QAM	1	0	23.43	23.52	23.55	1.00	23.70	23.43	23.52	23.55	1.00	23.70
		1	12	23.46	23.50	23.46	1.00	23.70	23.46	23.50	23.46	1.00	23.70
		1	24	23.40	23.41	23.36	1.00	23.70	23.40	23.41	23.36	1.00	23.70
		12	0	22.36	22.38	22.47	2.00	22.70	22.36	22.38	22.47	2.00	22.70
		12	7	22.40	22.42	22.37	2.00	22.70	22.40	22.42	22.37	2.00	22.70
		12	13	22.32	22.35	22.33	2.00	22.70	22.32	22.35	22.33	2.00	22.70
		25	0	22.29	22.30	22.25	2.00	22.70	22.29	22.30	22.25	2.00	22.70
	64QAM	1	0	22.32	22.33	22.62	2.00	22.70	22.32	22.33	22.62	2.00	22.70
		1	12	22.31	22.30	22.49	2.00	22.70	22.31	22.30	22.49	2.00	22.70
		1	24	22.33	22.27	22.46	2.00	22.70	22.33	22.27	22.46	2.00	22.70
		12	0	21.40	21.36	21.43	3.00	21.70	21.40	21.36	21.43	3.00	21.70
		12	7	21.48	21.44	21.39	3.00	21.70	21.48	21.44	21.39	3.00	21.70
		12	13	21.37	21.34	21.31	3.00	21.70	21.37	21.34	21.31	3.00	21.70
		25	0	21.36	21.36	21.29	3.00	21.70	21.36	21.36	21.29	3.00	21.70
	256QAM	1	0	19.28	19.20	19.42	5.00	19.70	19.28	19.20	19.42	5.00	19.70
		1	12	19.25	19.20	19.34	5.00	19.70	19.25	19.20	19.34	5.00	19.70
		1	24	19.20	19.20	19.24	5.00	19.70	19.20	19.20	19.24	5.00	19.70
		12	0	19.39	19.34	19.38	5.00	19.70	19.39	19.34	19.38	5.00	19.70
		12	7	19.42	19.39	19.36	5.00	19.70	19.42	19.39	19.36	5.00	19.70
		12	13	19.35	19.31	19.26	5.00	19.70	19.35	19.31	19.26	5.00	19.70
		25	0	19.46	19.43	19.36	5.00	19.70	19.46	19.43	19.36	5.00	19.70

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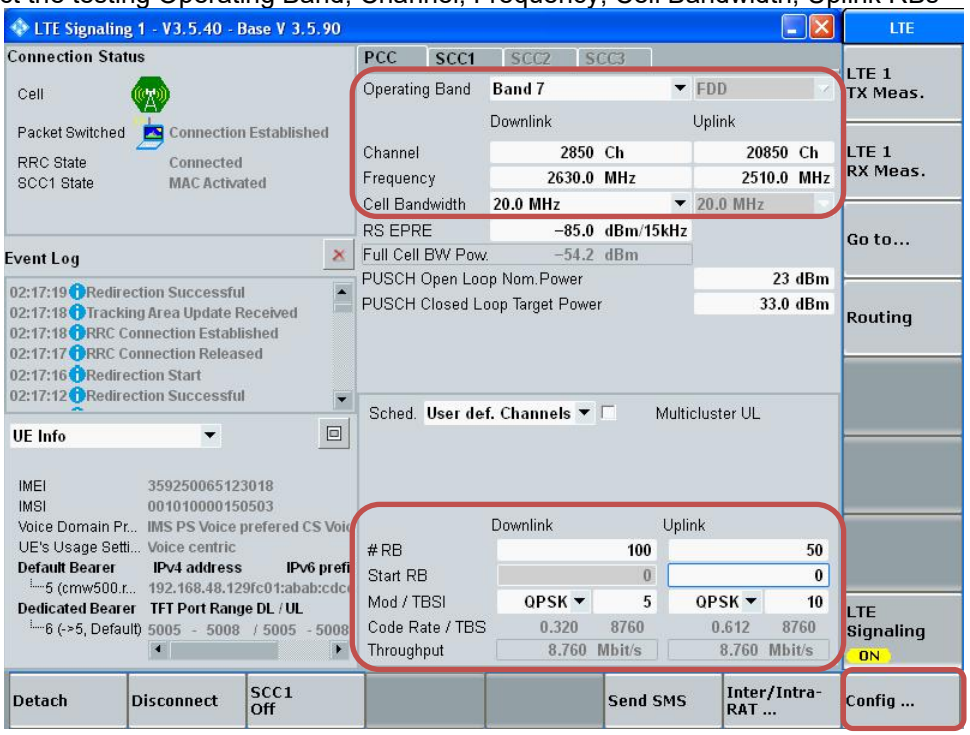
LTE Carrier Aggregation Test Signal Set-up Procedure
(Use normal LTE set-up procedure in addition with the following steps)

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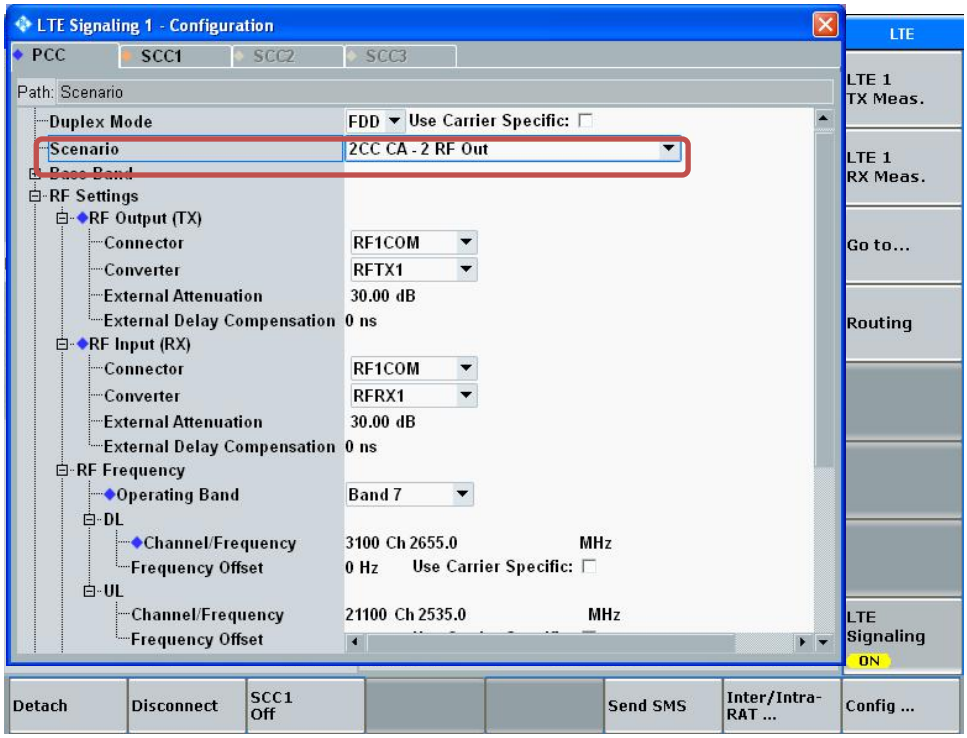
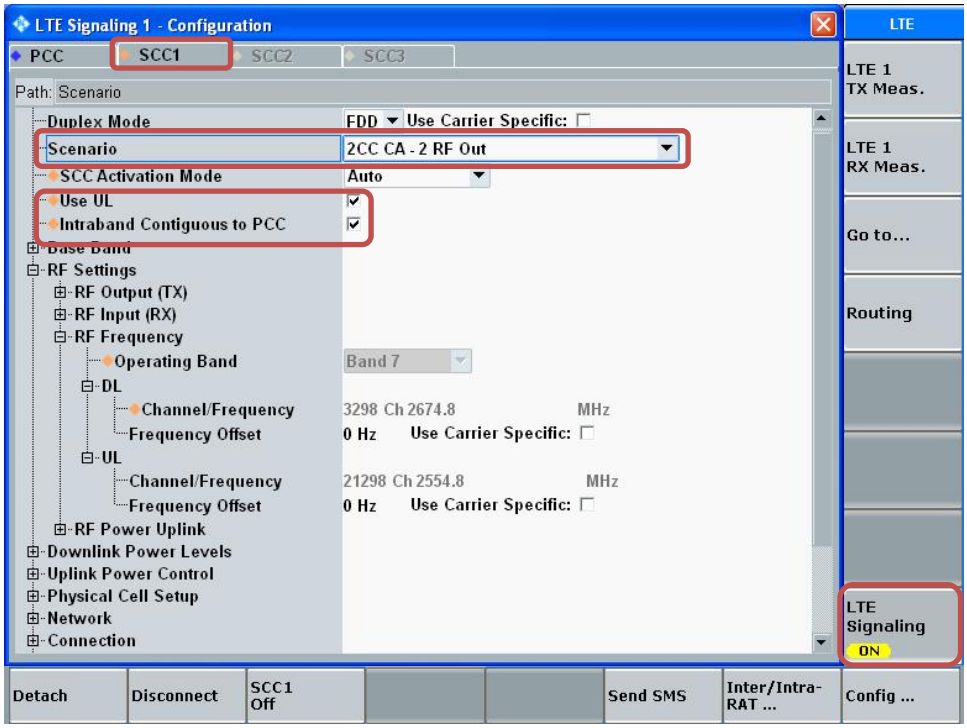
- Go to “Scenario”
- Set to “2CC CA – 2 RF Out”



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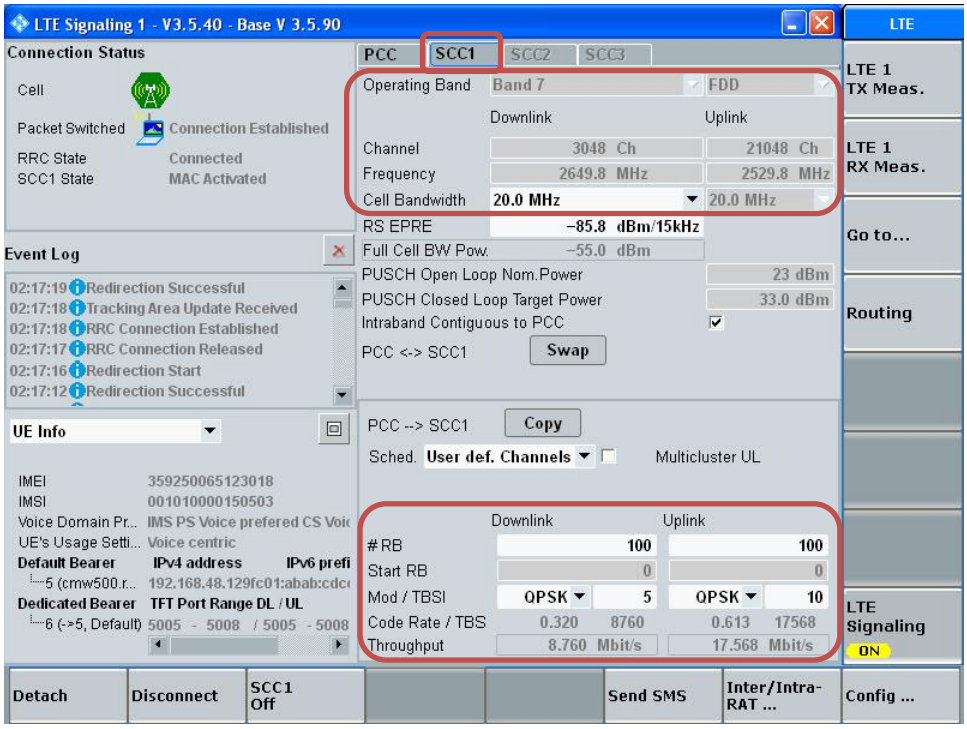
- Select “SCC1” tab
  - Select the testing Cell Bandwidth, Uplink RBs



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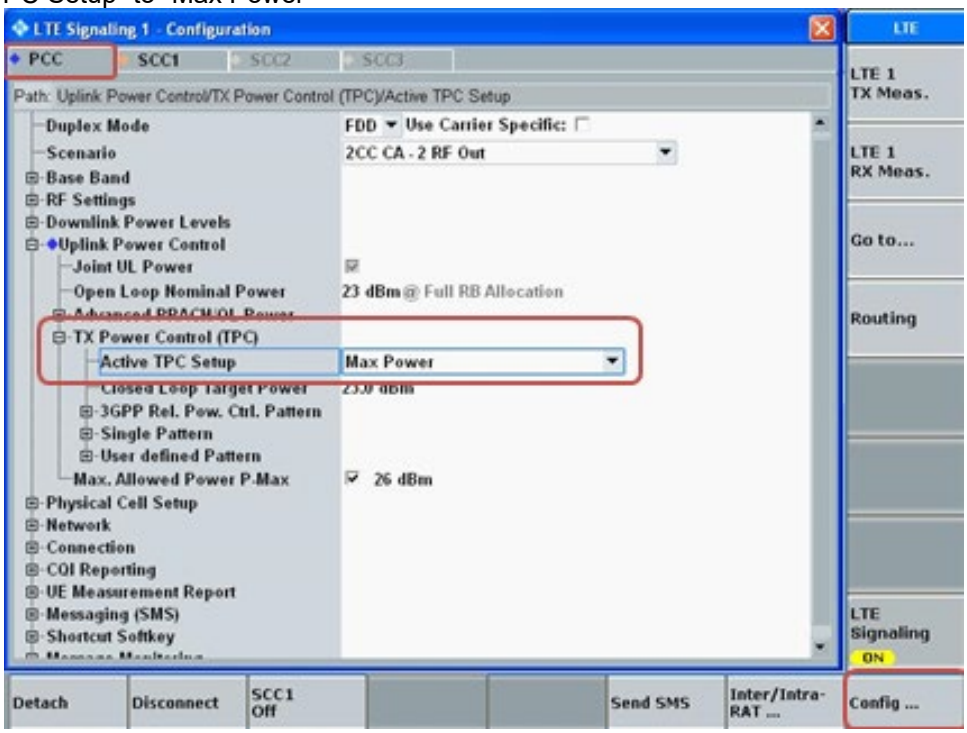
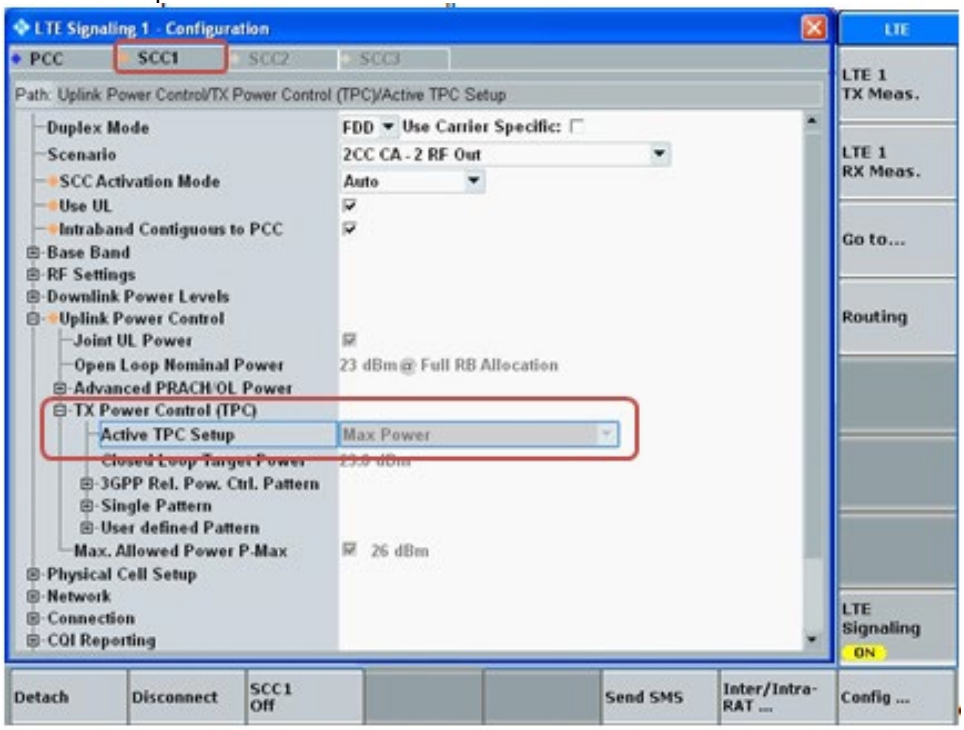
Max Power Setting

- 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

Output Power for LTE UL Carrier Aggregation

Intra-Band Contiguous	Mode	Target Output Power (dBm)								Tolerance	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT1		ANT2		ANT3		ANT4			ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
CA_5B	QPSK	24.70	24.20	23.70	23.70					1.0 / -1.0	25.70	25.20	24.70	24.70				
CA_7C	QPSK	24.70	19.30	18.00	18.50	21.50	17.50	16.80	19.30	1.0 / -1.0	25.70	20.30	19.00	19.50	22.50	18.50	17.80	20.30
CA_41C (PC3)	QPSK	24.70	23.00	19.50	19.50	24.50	18.80	18.00	20.00	1.0 / -1.0	25.70	24.00	20.50	20.50	25.50	19.80	19.00	21.00
CA_41C (PC2)	QPSK	26.50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.0 / -1.0	27.50	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CA_66B & 66C	QPSK	23.00	16.80	22.00	22.00	24.20	21.00	19.80	20.50	1.0 / -1.0	24.00	17.80	23.00	23.00	25.20	22.00	20.80	21.50
Intra-Band Contiguous	Mode	Target Output Power (dBm)								Tolerance	Maximum Output Power (Tune-up Limit) (dBm)							
		ANT7		ANT8		ANT9		ANT4			ANT7		ANT8		ANT9		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
CA_48C	QPSK	23.70	21.50	21.00	21.00	23.20	23.20	20.30	20.50	1.0 / -1.0	24.70	22.50	22.00	22.00	24.20	24.20	21.30	21.50

LTE CA_5B Measured Results

UL CA Combination	Antenna	Power Mode	Modulation	PCC				SCC				Standalone Power		(PCC + SCC) UL CA Power		
				BW (MHz)	Freq	RB	Offset	BW (MHz)	Freq	RB	Offset	Tune-Up Limit (dBm)	UL CA Inactive (dBm)	Tune-Up Limit (dBm)	UL CA active (dBm)	Delta
CA_5B	ANT 1	Mode A	QPSK	10	831.6	1	49	5	841.5	1	0	25.70	25.65	25.70	25.40	-0.3
CA_5B	ANT 1	Mode B	QPSK	10	831.6	1	49	5	841.5	1	0	25.20	25.15	25.20	24.90	-0.3
CA_5B	ANT 2	Mode A	QPSK	10	831.6	1	49	5	841.5	1	0	24.70	24.53	24.70	24.35	-0.2
CA_5B	ANT 2	Mode B	QPSK	10	831.6	1	49	5	841.5	1	0	24.70	24.53	24.70	24.35	-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	24.94	25.70	24.90	0.0
CA_7C	ANT 1	Mode B	QPSK	20	2510.0	1	99	20	2529.8	1	0	20.30	20.23	20.30	20.15	-0.1
CA_7C	ANT 2	Mode A	QPSK	20	2525.1	1	99	20	2544.9	1	0	19.00	18.70	19.00	18.35	-0.3
CA_7C	ANT 2	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	19.50	19.49	19.50	19.47	0.0
CA_7C	ANT 2	Mode B	QPSK	20	2540.2	1	99	20	2560.0	1	0	19.50	19.44	19.50	19.20	-0.2
CA_7C	ANT 3	Mode A	QPSK	20	2525.1	1	99	20	2544.9	1	0	22.50	21.64	22.50	21.58	-0.1
CA_7C	ANT 3	Mode B	QPSK	20	2510.0	1	99	20	2529.8	1	0	18.50	18.05	18.50	17.90	-0.2
CA_7C	ANT 3	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	18.50	18.15	18.50	17.84	-0.3
CA_7C	ANT 4	Mode A	QPSK	20	2510.0	1	99	20	2529.8	1	0	17.80	17.60	17.80	17.32	-0.3
CA_7C	ANT 4	Mode B	QPSK	20	2525.1	1	99	20	2544.9	1	0	20.30	19.32	20.30	19.22	-0.1
CA_7C	ANT 4	Mode B	QPSK	20	2510.0	1	99	20	2529.8	1	0	20.30	19.93	20.30	19.74	-0.2

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	25.52	25.70	25.50	0.0
CA_41C	ANT 1	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	24.00	23.72	24.00	23.39	-0.3
CA_41C	ANT 2	Mode A	QPSK	20	2583.1	1	99	20	2602.9	1	0	20.50	20.00	20.50	19.78	-0.2
CA_41C	ANT 2	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	20.50	20.00	20.50	19.78	-0.2
CA_41C	ANT 3	Mode A	QPSK	20	2583.1	1	99	20	2602.9	1	0	25.50	25.49	25.50	25.14	-0.3
CA_41C	ANT 3	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	19.80	18.70	19.80	18.47	-0.2
CA_41C	ANT 4	Mode A	QPSK	20	2583.1	1	99	20	2602.9	1	0	19.00	17.74	19.00	17.67	-0.1
CA_41C	ANT 4	Mode B	QPSK	20	2583.1	1	99	20	2602.9	1	0	21.00	19.33	21.00	19.21	-0.1
CA_41C	ANT 4	Mode B	QPSK	20	2660.2	1	99	20	2680	1	0	21.00	19.13	21.00	19.03	-0.1

Note(s):

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

LTE CA_48C Measured Results

UL CA Combination	Antenna	Power Mode	Modulation	PCC				SCC				Standalone Power		(PCC + SCC) UL CA Power		
				BW (MHz)	Freq	RB	Offset	BW (MHz)	Freq	RB	Offset	Tune-Up Limit (dBm)	UL CA Inactive (dBm)	Tune-Up Limit (dBm)	UL CA active (dBm)	Delta
CA_48C	ANT 7	Mode A	QPSK	20	3615.1	1	99	20	3634.9	1	0	25.60	25.55	24.70	24.38	-1.2
CA_48C	ANT 7	Mode B	QPSK	20	3670.2	1	99	20	3690.0	1	0	22.50	21.75	22.50	21.76	0.0
CA_48C	ANT 7	Mode B	QPSK	20	3560.0	1	99	20	3579.8	1	0	22.50	21.78	22.50	21.50	-0.3
CA_48C	ANT 8	Mode A	QPSK	20	3670.2	1	99	20	3690.0	1	0	23.00	22.26	22.00	22.00	-0.3
CA_48C	ANT 8	Mode B	QPSK	20	3670.2	1	99	20	3690.0	1	0	23.00	23.00	22.00	21.95	-1.1
CA_48C	ANT 9	Mode A	QPSK	20	3615.1	1	99	20	3634.9	1	0	25.20	25.18	24.20	24.00	-1.2
CA_48C	ANT 9	Mode B	QPSK	20	3560.0	1	99	20	3579.8	1	0	24.20	23.88	24.20	23.82	-0.1
CA_48C	ANT 4	Mode A	QPSK	20	3670.2	1	99	20	3690.0	1	0	21.30	21.10	21.30	21.02	-0.1
CA_48C	ANT 4	Mode B	QPSK	20	3615.1	1	99	20	3634.9	1	0	22.30	21.75	21.50	21.46	-0.3
CA_48C	ANT 4	Mode B	QPSK	20	3560.0	1	99	20	3579.8	1	0	22.30	21.45	21.50	21.23	-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 66C Measured Results

UL CA Combination	Antenna	Power Mode	Modulation	PCC				SCC				Standalone Power		(PCC + SCC) UL CA Power		
				BW (MHz)	Freq	RB	Offset	BW (MHz)	Freq	RB	Offset	Tune-Up Limit (dBm)	UL CA Inactive (dBm)	Tune-Up Limit (dBm)	UL CA active (dBm)	Delta
CA_66C	ANT 1	Mode A	QPSK	20	1745.1	1	99	20	1764.9	1	0	24.00	23.96	24.00	23.87	-0.1
CA_66C	ANT 1	Mode B	QPSK	20	1745.1	1	99	20	1764.9	1	0	17.80	17.72	17.80	17.70	0.0
CA_66C	ANT 2	Mode A	QPSK	20	1720	1	99	20	1739.8	1	0	23.00	22.49	23.00	22.48	0.0
CA_66C	ANT 2	Mode B	QPSK	20	1745.1	1	99	20	1764.9	1	0	23.00	22.44	23.00	22.34	-0.1
CA_66C	ANT 2	Mode B	QPSK	20	1720	1	99	20	1739.8	1	0	23.00	22.48	23.00	22.48	0.0
CA_66C	ANT 3	Mode A	QPSK	20	1745.1	1	99	20	1764.9	1	0	25.20	25.17	25.20	25.00	-0.2
CA_66C	ANT 3	Mode B	QPSK	20	1745.1	1	99	20	1764.9	1	0	22.00	21.30	22.00	21.21	-0.1
CA_66C	ANT 4	Mode A	QPSK	20	1750.2	1	99	20	1770	1	0	20.80	20.58	20.80	20.46	-0.1
CA_66C	ANT 4	Mode B	QPSK	20	1750.2	1	99	20	1770	1	0	21.50	21.49	21.50	21.47	0.0
CA_66C	ANT 4	Mode B	QPSK	20	1745.1	1	99	20	1764.9	1	0	21.50	21.50	21.50	21.48	0.0

Note(s):

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

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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	24.70	0.394	0.917	22.70	21.70	0.198	0.460	**0.657**
		ANT2	2A	ANT1	5A	20.70	25.70	0.846	0.223	17.70	22.70	0.424	0.112	**0.536**
		ANT3	2A	ANT1	5A	24.00	25.70	0.405	0.223	21.00	22.70	0.203	0.112	**0.315**
		ANT3	2A	ANT2	5A	24.00	24.70	0.405	0.917	21.00	21.70	0.203	0.460	**0.663**
		ANT4	2A	ANT1	5A	18.50	25.70	0.955	0.223	15.50	22.70	0.479	0.112	**0.591**
		ANT4	2A	ANT2	5A	18.50	24.70	0.955	0.917	15.50	21.70	0.479	0.460	**0.938**
	Body	ANT1	2A	ANT2	5A	20.00	24.70	0.930	0.389	17.00	21.70	0.466	0.195	**0.661**
		ANT2	2A	ANT1	5A	21.70	24.70	0.950	0.871	18.70	21.70	0.476	0.437	**0.913**
		ANT3	2A	ANT1	5A	20.00	24.70	0.936	0.871	17.00	21.70	0.469	0.437	**0.906**
		ANT3	2A	ANT2	5A	20.00	24.70	0.936	0.389	17.00	21.70	0.469	0.195	**0.664**
		ANT4	2A	ANT1	5A	19.80	24.70	0.957	0.871	16.80	21.70	0.480	0.437	**0.916**
		ANT4	2A	ANT2	5A	19.80	24.70	0.957	0.389	16.80	21.70	0.480	0.195	**0.674**
CA_2A-12A	Head	ANT1	2A	ANT2	12A	25.70	24.70	0.394	0.792	22.70	21.70	0.198	0.397	**0.594**
		ANT2	2A	ANT1	12A	20.70	25.70	0.846	0.196	17.70	22.70	0.424	0.098	**0.522**
		ANT3	2A	ANT1	12A	24.00	25.70	0.405	0.196	21.00	22.70	0.203	0.098	**0.301**
		ANT3	2A	ANT2	12A	24.00	24.70	0.405	0.792	21.00	21.70	0.203	0.397	**0.600**
		ANT4	2A	ANT1	12A	18.50	25.70	0.955	0.196	15.50	22.70	0.479	0.098	**0.577**
		ANT4	2A	ANT2	12A	18.50	24.70	0.955	0.792	15.50	21.70	0.479	0.397	**0.875**
	Body	ANT1	2A	ANT2	12A	20.00	24.70	0.930	0.460	17.00	21.70	0.466	0.230	**0.696**
		ANT2	2A	ANT1	12A	21.70	25.70	0.950	0.670	18.70	22.70	0.476	0.336	**0.812**
		ANT3	2A	ANT1	12A	20.00	25.70	0.936	0.670	17.00	22.70	0.469	0.336	**0.805**
		ANT3	2A	ANT2	12A	20.00	24.70	0.936	0.460	17.00	21.70	0.469	0.230	**0.700**
		ANT4	2A	ANT1	12A	19.80	25.70	0.957	0.670	16.80	22.70	0.480	0.336	**0.815**
		ANT4	2A	ANT2	12A	19.80	24.70	0.957	0.460	16.80	21.70	0.480	0.230	**0.710**
CA_2A-13A	Head	ANT1	2A	ANT2	13A	25.70	24.70	0.394	0.766	22.70	21.70	0.198	0.384	**0.582**
		ANT2	2A	ANT1	13A	20.70	25.70	0.846	0.276	17.70	22.70	0.424	0.138	**0.562**
		ANT3	2A	ANT1	13A	24.00	25.70	0.405	0.276	21.00	22.70	0.203	0.138	**0.341**
		ANT3	2A	ANT2	13A	24.00	24.70	0.405	0.766	21.00	21.70	0.203	0.384	**0.587**
		ANT4	2A	ANT1	13A	18.50	25.70	0.955	0.276	15.50	22.70	0.479	0.138	**0.617**
		ANT4	2A	ANT2	13A	18.50	24.70	0.955	0.766	15.50	21.70	0.479	0.384	**0.863**
	Body	ANT1	2A	ANT2	13A	20.00	24.70	0.930	0.677	17.00	21.70	0.466	0.339	**0.805**
		ANT2	2A	ANT1	13A	21.70	25.70	0.950	0.855	18.70	22.70	0.476	0.429	**0.905**
		ANT3	2A	ANT1	13A	20.00	25.70	0.936	0.855	17.00	22.70	0.469	0.429	**0.898**
		ANT3	2A	ANT2	13A	20.00	24.70	0.936	0.677	17.00	21.70	0.469	0.339	**0.809**
		ANT4	2A	ANT1	13A	19.80	25.70	0.957	0.855	16.80	22.70	0.480	0.429	**0.908**
		ANT4	2A	ANT2	13A	19.80	24.70	0.957	0.677	16.80	21.70	0.480	0.339	**0.819**
CA_4A-5A	Head	ANT1	4A	ANT2	5A	24.00	24.70	0.254	0.917	21.00	21.70	0.127	0.460	**0.587**
		ANT2	4A	ANT1	5A	23.00	25.70	0.929	0.223	20.00	22.70	0.466	0.112	**0.578**
		ANT3	4A	ANT1	5A	25.20	25.70	0.229	0.223	22.20	22.70	0.115	0.112	**0.227**
		ANT3	4A	ANT2	5A	25.20	24.70	0.229	0.917	22.20	21.70	0.115	0.460	**0.574**
		ANT4	4A	ANT1	5A	20.80	25.70	0.916	0.223	17.80	22.70	0.459	0.112	**0.571**
		ANT4	4A	ANT2	5A	20.80	24.70	0.916	0.917	17.80	21.70	0.459	0.460	**0.919**
	Body	ANT1	4A	ANT2	5A	17.80	24.70	0.898	0.389	14.80	21.70	0.450	0.195	**0.645**
		ANT2	4A	ANT1	5A	23.00	24.70	0.953	0.871	20.00	21.70	0.478	0.437	**0.914**
		ANT3	4A	ANT1	5A	22.00	24.70	0.904	0.871	19.00	21.70	0.453	0.437	**0.890**
		ANT3	4A	ANT2	5A	22.00	24.70	0.904	0.389	19.00	21.70	0.453	0.195	**0.648**
		ANT4	4A	ANT1	5A	21.50	24.70	0.915	0.871	18.50	21.70	0.459	0.437	**0.895**
		ANT4	4A	ANT2	5A	21.50	24.70	0.915	0.389	18.50	21.70	0.459	0.195	**0.654**
CA_4A-12A	Head	ANT1	4A	ANT2	12A	24.00	24.70	0.254	0.792	21.00	21.70	0.127	0.397	**0.524**
		ANT2	4A	ANT1	12A	23.00	25.70	0.929	0.196	20.00	22.70	0.466	0.098	**0.564**
		ANT3	4A	ANT1	12A	25.20	25.70	0.229	0.196	22.20	22.70	0.115	0.098	**0.213**
		ANT3	4A	ANT2	12A	25.20	24.70	0.229	0.792	22.20	21.70	0.115	0.397	**0.511**
		ANT4	4A	ANT1	12A	20.80	25.70	0.916	0.196	17.80	22.70	0.459	0.098	**0.558**
		ANT4	4A	ANT2	12A	20.80	24.70	0.916	0.792	17.80	21.70	0.459	0.397	**0.856**
	Body	ANT1	4A	ANT2	12A	17.80	24.70	0.898	0.460	14.80	21.70	0.450	0.230	**0.680**
		ANT2	4A	ANT1	12A	23.00	25.70	0.953	0.670	20.00	22.70	0.478	0.336	**0.814**
		ANT3	4A	ANT1	12A	22.00	25.70	0.904	0.670	19.00	22.70	0.453	0.336	**0.789**
		ANT3	4A	ANT2	12A	22.00	24.70	0.904	0.460	19.00	21.70	0.453	0.230	**0.683**
		ANT4	4A	ANT1	12A	21.50	25.70	0.915	0.670	18.50	22.70	0.459	0.336	**0.795**
		ANT4	4A	ANT2	12A	21.50	24.70	0.915	0.460	18.50	21.70	0.459	0.230	**0.689**

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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	24.00	24.70	0.254	0.766	21.00	21.70	0.127	0.384	**0.511**
		ANT2	4A	ANT1	13A	23.00	25.70	0.929	0.276	20.00	22.70	0.466	0.138	**0.604**
		ANT3	4A	ANT1	13A	25.20	25.70	0.229	0.276	22.20	22.70	0.115	0.138	**0.253**
		ANT3	4A	ANT2	13A	25.20	24.70	0.229	0.766	22.20	21.70	0.115	0.384	**0.499**
		ANT4	4A	ANT1	13A	20.80	25.70	0.916	0.276	17.80	22.70	0.459	0.138	**0.597**
		ANT4	4A	ANT2	13A	20.80	24.70	0.916	0.766	17.80	21.70	0.459	0.384	**0.843**
	Body	ANT1	4A	ANT2	13A	17.80	24.70	0.898	0.677	14.80	21.70	0.450	0.339	**0.789**
		ANT2	4A	ANT1	13A	23.00	25.70	0.953	0.855	20.00	22.70	0.478	0.429	**0.906**
		ANT3	4A	ANT1	13A	22.00	25.70	0.904	0.855	19.00	22.70	0.453	0.429	**0.882**
		ANT3	4A	ANT2	13A	22.00	24.70	0.904	0.677	19.00	21.70	0.453	0.339	**0.792**
		ANT4	4A	ANT1	13A	21.50	25.70	0.915	0.855	18.50	22.70	0.459	0.429	**0.887**
		ANT4	4A	ANT2	13A	21.50	24.70	0.915	0.677	18.50	21.70	0.459	0.339	**0.798**
CA_5A-7A	Head	ANT1	5A	ANT2	7A	25.70	19.00	0.223	0.932	22.70	16.00	0.112	0.467	**0.579**
		ANT1	5A	ANT3	7A	25.70	22.50	0.223	0.426	22.70	19.50	0.112	0.213	**0.325**
		ANT1	5A	ANT4	7A	25.70	17.80	0.223	0.959	22.70	14.80	0.112	0.481	**0.593**
		ANT2	5A	ANT1	7A	24.70	25.70	0.917	0.951	21.70	22.70	0.460	0.476	**0.936**
		ANT2	5A	ANT3	7A	24.70	22.50	0.917	0.426	21.70	19.50	0.460	0.213	**0.673**
		ANT2	5A	ANT4	7A	24.70	17.80	0.917	0.959	21.70	14.80	0.460	0.481	**0.940**
	Body	ANT1	5A	ANT2	7A	24.70	19.50	0.871	0.934	21.70	16.50	0.437	0.468	**0.905**
		ANT1	5A	ANT3	7A	24.70	18.50	0.871	0.924	21.70	15.50	0.437	0.463	**0.900**
		ANT1	5A	ANT4	7A	24.70	20.30	0.871	0.914	21.70	17.30	0.437	0.458	**0.895**
		ANT2	5A	ANT1	7A	24.70	20.30	0.389	0.956	21.70	17.30	0.195	0.479	**0.674**
		ANT2	5A	ANT3	7A	24.70	18.50	0.389	0.924	21.70	15.50	0.195	0.463	**0.658**
		ANT2	5A	ANT4	7A	24.70	20.30	0.389	0.914	21.70	17.30	0.195	0.458	**0.653**
CA_5A-66A	Head	ANT1	5A	ANT2	66A	25.70	23.00	0.223	0.929	22.70	20.00	0.112	0.466	**0.578**
		ANT1	5A	ANT3	66A	25.70	25.20	0.223	0.229	22.70	22.20	0.112	0.115	**0.227**
		ANT1	5A	ANT4	66A	25.70	20.80	0.223	0.916	22.70	17.80	0.112	0.459	**0.571**
		ANT2	5A	ANT1	66A	24.70	24.00	0.917	0.254	21.70	21.00	0.460	0.127	**0.587**
		ANT2	5A	ANT3	66A	24.70	25.20	0.917	0.229	21.70	22.20	0.460	0.115	**0.574**
		ANT2	5A	ANT4	66A	24.70	20.80	0.917	0.916	21.70	17.80	0.460	0.459	**0.919**
	Body	ANT1	5A	ANT2	66A	24.70	23.00	0.871	0.953	21.70	20.00	0.437	0.478	**0.914**
		ANT1	5A	ANT3	66A	24.70	22.00	0.871	0.904	21.70	19.00	0.437	0.453	**0.890**
		ANT1	5A	ANT4	66A	24.70	21.50	0.871	0.915	21.70	18.50	0.437	0.459	**0.895**
		ANT2	5A	ANT1	66A	24.70	17.80	0.389	0.898	21.70	14.80	0.195	0.450	**0.645**
		ANT2	5A	ANT3	66A	24.70	22.00	0.389	0.904	21.70	19.00	0.195	0.453	**0.648**
		ANT2	5A	ANT4	66A	24.70	21.50	0.389	0.915	21.70	18.50	0.195	0.459	**0.654**
CA_12A-66A	Head	ANT1	12A	ANT2	66A	25.70	23.00	0.196	0.929	22.70	20.00	0.098	0.466	**0.564**
		ANT1	12A	ANT3	66A	25.70	25.20	0.196	0.229	22.70	22.20	0.098	0.115	**0.213**
		ANT1	12A	ANT4	66A	25.70	20.80	0.196	0.916	22.70	17.80	0.098	0.459	**0.558**
		ANT2	12A	ANT1	66A	24.70	24.00	0.792	0.254	21.70	21.00	0.397	0.127	**0.524**
		ANT2	12A	ANT3	66A	24.70	25.20	0.792	0.229	21.70	22.20	0.397	0.115	**0.511**
		ANT2	12A	ANT4	66A	24.70	20.80	0.792	0.916	21.70	17.80	0.397	0.459	**0.856**
	Body	ANT1	12A	ANT2	66A	25.70	23.00	0.670	0.953	22.70	20.00	0.336	0.478	**0.814**
		ANT1	12A	ANT3	66A	25.70	22.00	0.670	0.904	22.70	19.00	0.336	0.453	**0.789**
		ANT1	12A	ANT4	66A	25.70	21.50	0.670	0.915	22.70	18.50	0.336	0.459	**0.795**
		ANT2	12A	ANT1	66A	24.70	17.80	0.460	0.898	21.70	14.80	0.230	0.450	**0.680**
		ANT2	12A	ANT3	66A	24.70	22.00	0.460	0.904	21.70	19.00	0.230	0.453	**0.683**
		ANT2	12A	ANT4	66A	24.70	21.50	0.460	0.915	21.70	18.50	0.230	0.459	**0.689**
CA_13A-66A	Head	ANT1	13A	ANT2	66A	25.70	23.00	0.276	0.929	22.70	20.00	0.138	0.466	**0.604**
		ANT1	13A	ANT3	66A	25.70	25.20	0.276	0.229	22.70	22.20	0.138	0.115	**0.253**
		ANT1	13A	ANT4	66A	25.70	20.80	0.276	0.916	22.70	17.80	0.138	0.459	**0.597**
		ANT2	13A	ANT1	66A	24.70	24.00	0.766	0.254	21.70	21.00	0.384	0.127	**0.511**
		ANT2	13A	ANT3	66A	24.70	25.20	0.766	0.229	21.70	22.20	0.384	0.115	**0.499**
		ANT2	13A	ANT4	66A	24.70	20.80	0.766	0.916	21.70	17.80	0.384	0.459	**0.843**
	Body	ANT1	13A	ANT2	66A	25.70	23.00	0.855	0.953	22.70	20.00	0.429	0.478	**0.906**
		ANT1	13A	ANT3	66A	25.70	22.00	0.855	0.904	22.70	19.00	0.429	0.453	**0.882**
		ANT1	13A	ANT4	66A	25.70	21.50	0.855	0.915	22.70	18.50	0.429	0.459	**0.887**
		ANT2	13A	ANT1	66A	24.70	17.80	0.677	0.898	21.70	14.80	0.339	0.450	**0.789**
		ANT2	13A	ANT3	66A	24.70	22.00	0.677	0.904	21.70	19.00	0.339	0.453	**0.792**
		ANT2	13A	ANT4	66A	24.70	21.50	0.677	0.915	21.70	18.50	0.339	0.459	**0.798**

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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Output Power for 5G NR (FR1)

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

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

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

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

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

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

RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)								Tolerance	Target Output Power (dBm)							
		ANT1		ANT2		ANT3		ANT4			ANT1		ANT2		ANT3		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
NR n2	QPSK	25.00	19.30	20.00	21.00	23.30	19.30	17.80	19.10	0.7 / -1.0	25.70	20.00	20.70	21.70	24.00	20.00	18.50	19.80
NR n5	QPSK	25.00	24.50	24.00	24.00					0.7 / -1.0	25.70	25.20	24.70	24.70				
NR n7(BW≤20 MHz)	QPSK	25.00	19.60	18.30	18.80	21.80	17.80	17.10	19.60	0.7 / -1.0	25.70	20.30	19.00	19.50	22.50	18.50	17.80	20.30
NR n7(BW>20 MHz)	QPSK	23.00	19.60	18.30	18.80	21.80	17.80	17.10	19.60	0.7 / -1.0	23.70	20.30	19.00	19.50	22.50	18.50	17.80	20.30
NR n12	QPSK	25.00	25.00	24.00	24.00					0.7 / -1.0	25.70	25.70	24.70	24.70				
NR n25(BW≤20 MHz)	QPSK	25.00	19.30	20.00	21.00	23.30	19.30	17.80	19.10	0.7 / -1.0	25.70	20.00	20.70	21.70	24.00	20.00	18.50	19.80
NR n25(BW>20 MHz)	QPSK	23.00	19.30	20.00	21.00	22.50	19.30	17.80	19.10	0.7 / -1.0	23.70	20.00	20.70	21.70	23.20	20.00	18.50	19.80
NR n30	QPSK	24.80	19.50	18.30	19.60	21.60	17.80	17.80	18.80	0.7 / -1.0	25.50	20.20	19.00	20.30	22.30	18.50	18.50	19.50
NR n41 (PC3)	QPSK	23.00	21.30	17.80	17.80	22.80	17.10	16.30	18.30	0.7 / -1.0	23.70	22.00	18.50	18.50	23.50	17.80	17.00	19.00
NR n41 (PC2)	QPSK	24.80	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.7 / -1.0	25.50	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NR n66(BW≤20 MHz)	QPSK	23.30	17.10	22.30	22.30	24.50	21.30	20.10	20.80	0.7 / -1.0	24.00	17.80	23.00	23.00	25.20	22.00	20.80	21.50
NR n66(BW>20 MHz)	QPSK	23.00	17.10	21.00	21.00	22.50	21.30	20.10	20.80	0.7 / -1.0	23.70	17.80	21.70	21.70	23.20	22.00	20.80	21.50
NR n71	QPSK	25.00	25.00	24.00	24.00					0.7 / -1.0	25.70	25.70	24.70	24.70				
RF Air interface	Mode	Maximum Output Power (Tune-up Limit) (dBm)								Tolerance	Target Output Power (dBm)							
		ANT7		ANT8		ANT9		ANT4			ANT7		ANT8		ANT9		ANT4	
		Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	+ / -	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
NR n77 (PC3)	QPSK	25.00	19.50	17.00	18.50	25.00	18.00	19.00	17.80	0.7 / -1.0	25.70	20.20	17.70	19.20	25.70	18.70	19.70	18.50
NR n77 (PC2)	QPSK	27.00	N/A	N/A	N/A	26.50	N/A	N/A	N/A	0.7 / -1.0	27.70	N/A	N/A	N/A	27.20	N/A	N/A	N/A

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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)			
					167300	MPR	Tune-up Limit		167300	MPR	Tune-up Limit	
					836.6 MHz				836.6 MHz			
20	DFS-s OFDM	π/2 BPSK	1	1	24.49	0.0	25.70		24.49	0.0	25.20	
			1	53	24.43	0.0	25.70		24.43	0.0	25.20	
			1	104	24.38	0.0	25.70		24.38	0.0	25.20	
			50	28	24.41	0.0	25.70		24.41	0.0	25.20	
			100	0	23.88	0.5	25.20		23.88	0.0	25.20	
		QPSK	1	1	24.19	0.0	25.70		24.19	0.0	25.20	
			1	53	24.50	0.0	25.70		24.50	0.0	25.20	
			1	104	24.20	0.0	25.70		24.20	0.0	25.20	
			50	28	24.42	0.0	25.70		24.42	0.0	25.20	
			100	0	23.87	1.0	24.70		23.87	0.5	24.70	
		16QAM	1	1	24.63	1.0	24.70		24.63	0.5	24.70	
		64QAM	1	1	23.11	2.5	23.20		23.11	2.0	23.20	
		256QAM	1	1	21.11	4.5	21.20		21.11	4.0	21.20	
	CP-OFDM	QPSK	1	1	23.68	1.5	24.20		23.68	1.0	24.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					167300	MPR	Tune-up Limit		167300	MPR	Tune-up Limit	
					836.5 MHz				836.5 MHz			
15	DFS-s OFDM	π/2 BPSK	1	1	24.35	0.0	25.70		24.35	0.0	25.20	
			1	40	24.39	0.0	25.70		24.39	0.0	25.20	
			1	77	24.34	0.0	25.70		24.34	0.0	25.20	
			36	18	24.32	0.0	25.70		24.32	0.0	25.20	
			75	0	23.87	0.5	25.20		23.87	0.0	25.20	
		QPSK	1	1	24.12	0.0	25.70		24.12	0.0	25.20	
			1	40	24.33	0.0	25.70		24.33	0.0	25.20	
			1	77	24.25	0.0	25.70		24.25	0.0	25.20	
			36	18	24.41	0.0	25.70		24.41	0.0	25.20	
			75	0	23.92	1.0	24.70		23.92	0.5	24.70	
		16QAM	1	1	23.75	1.0	24.70		23.75	0.5	24.70	
		64QAM	1	1	23.07	2.5	23.20		23.07	2.0	23.20	
		256QAM	1	1	21.16	4.5	21.20		21.16	4.0	21.20	
	CP-OFDM	QPSK	1	1	23.98	1.5	24.20		23.98	1.0	24.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					167300	MPR	Tune-up Limit		167300	MPR	Tune-up Limit	
					836.5 MHz				836.5 MHz			
10	DFS-s OFDM	π/2 BPSK	1	1	24.55	0.0	25.70		24.55	0.0	25.20	
			1	25	24.38	0.0	25.70		24.38	0.0	25.20	
			1	50	24.45	0.0	25.70		24.45	0.0	25.20	
			25	12	24.36	0.0	25.70		24.36	0.0	25.20	
			50	0	23.79	0.5	25.20		23.79	0.0	25.20	
		QPSK	1	1	24.44	0.0	25.70		24.44	0.0	25.20	
			1	25	24.27	0.0	25.70		24.27	0.0	25.20	
			1	50	24.37	0.0	25.70		24.37	0.0	25.20	
			25	12	24.42	0.0	25.70		24.42	0.0	25.20	
			50	0	23.75	1.0	24.70		23.75	0.5	24.70	
		16QAM	1	1	24.69	1.0	24.70		24.69	0.5	24.70	
		64QAM	1	1	23.00	2.5	23.20		23.00	2.0	23.20	
		256QAM	1	1	21.19	4.5	21.20		21.19	4.0	21.20	
	CP-OFDM	QPSK	1	1	24.06	1.5	24.20		24.06	1.0	24.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					165300	167300	169300	MPR	Tune-up Limit	165300	167300	169300	MPR	Tune-up Limit
					826.5 MHz	836.5 MHz	846.5 MHz			826.5 MHz	836.5 MHz	846.5 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	24.59	24.44	24.34	0.0	25.70	24.59	24.44	24.34	0.0	25.20
			1	12	24.51	24.29	24.31	0.0	25.70	24.51	24.29	24.31	0.0	25.20
			1	23	24.58	24.55	24.36	0.0	25.70	24.58	24.55	24.36	0.0	25.20
			12	6	24.55	24.36	24.29	0.0	25.70	24.55	24.36	24.29	0.0	25.20
			25	0	24.57	24.33	24.39	0.5	25.20	24.57	24.33	24.39	0.0	25.20
		QPSK	1	1	24.65	24.47	24.44	0.0	25.70	24.65	24.47	24.44	0.0	25.20
			1	12	24.48	24.37	24.28	0.0	25.70	24.48	24.37	24.28	0.0	25.20
			1	23	24.47	24.25	24.20	0.0	25.70	24.47	24.25	24.20	0.0	25.20
			12	6	24.53	24.39	24.31	0.0	25.70	24.53	24.39	24.31	0.0	25.20
			25	0	23.91	23.96	24.09	1.0	24.70	23.91	23.96	24.09	0.5	24.70
		16QAM	1	1	24.57	24.54	24.65	1.0	24.70	24.57	24.54	24.65	0.5	24.70
		64QAM	1	1	23.16	23.02	23.05	2.5	23.20	23.16	23.02	23.05	2.0	23.20
		256QAM	1	1	20.93	21.20	21.17	4.5	21.20	20.93	21.20	21.17	4.0	21.20
	CP-OFDM	QPSK	1	1	23.87	24.02	24.06	1.5	24.20	23.87	24.02	24.06	1.0	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)			
					167300	MPR	Tune-up Limit		167300	MPR	Tune-up Limit	
					836.6 MHz				836.6 MHz			
20	DFS-s OFDM	π/2 BPSK	1	1	24.35	0.0	24.70		24.35	0.0	24.70	
			1	53	24.31	0.0	24.70		24.31	0.0	24.70	
			1	104	24.34	0.0	24.70		24.34	0.0	24.70	
			50	28	24.25	0.0	24.70		24.25	0.0	24.70	
			100	0	24.20	0.5	24.20		24.20	0.5	24.20	
		QPSK	1	1	24.26	0.0	24.70		24.26	0.0	24.70	
			1	53	24.40	0.0	24.70		24.40	0.0	24.70	
			1	104	24.28	0.0	24.70		24.28	0.0	24.70	
			50	28	24.26	0.0	24.70		24.26	0.0	24.70	
			100	0	23.70	1.0	23.70		23.70	1.0	23.70	
		16QAM	1	1	23.63	1.0	23.70		23.63	1.0	23.70	
		64QAM	1	1	22.12	2.5	22.20		22.12	2.5	22.20	
		256QAM	1	1	20.01	4.5	20.20		20.01	4.5	20.20	
	CP-OFDM	QPSK	1	1	23.01	1.5	23.20		23.01	1.5	23.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					167300	MPR	Tune-up Limit		167300	MPR	Tune-up Limit	
					836.5 MHz				836.5 MHz			
15	DFS-s OFDM	π/2 BPSK	1	1	24.33	0.0	24.70		24.33	0.0	24.70	
			1	40	24.31	0.0	24.70		24.31	0.0	24.70	
			1	77	24.33	0.0	24.70		24.33	0.0	24.70	
			36	18	24.28	0.0	24.70		24.28	0.0	24.70	
			75	0	24.20	0.5	24.20		24.20	0.5	24.20	
		QPSK	1	1	24.26	0.0	24.70		24.26	0.0	24.70	
			1	40	24.26	0.0	24.70		24.26	0.0	24.70	
			1	77	24.25	0.0	24.70		24.25	0.0	24.70	
			36	18	24.24	0.0	24.70		24.24	0.0	24.70	
			75	0	23.70	1.0	23.70		23.70	1.0	23.70	
		16QAM	1	1	23.10	1.0	23.70		23.10	1.0	23.70	
		64QAM	1	1	21.87	2.5	22.20		21.87	2.5	22.20	
		256QAM	1	1	20.16	4.5	20.20		20.16	4.5	20.20	
	CP-OFDM	QPSK	1	1	22.94	1.5	23.20		22.94	1.5	23.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					167300	MPR	Tune-up Limit		167300	MPR	Tune-up Limit	
					836.5 MHz				836.5 MHz			
10	DFS-s OFDM	π/2 BPSK	1	1	24.29	0.0	24.70		24.29	0.0	24.70	
			1	25	24.31	0.0	24.70		24.31	0.0	24.70	
			1	50	24.33	0.0	24.70		24.33	0.0	24.70	
			25	12	24.25	0.0	24.70		24.25	0.0	24.70	
			50	0	24.20	0.5	24.20		24.20	0.5	24.20	
		QPSK	1	1	24.26	0.0	24.70		24.26	0.0	24.70	
			1	25	24.26	0.0	24.70		24.26	0.0	24.70	
			1	50	24.28	0.0	24.70		24.28	0.0	24.70	
			25	12	24.24	0.0	24.70		24.24	0.0	24.70	
			50	0	23.70	1.0	23.70		23.70	1.0	23.70	
		16QAM	1	1	23.64	1.0	23.70		23.64	1.0	23.70	
		64QAM	1	1	22.12	2.5	22.20		22.12	2.5	22.20	
		256QAM	1	1	20.17	4.5	20.20		20.17	4.5	20.20	
	CP-OFDM	QPSK	1	1	23.03	1.5	23.20		23.03	1.5	23.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					165300	167300	169300	MPR	Tune-up Limit	165300	167300	169300	MPR	Tune-up Limit
					826.5 MHz	836.5 MHz	846.5 MHz			826.5 MHz	836.5 MHz	846.5 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	24.32	24.29	24.28	0.0	24.70	24.32	24.29	24.28	0.0	24.70
			1	12	24.32	24.26	24.27	0.0	24.70	24.32	24.26	24.27	0.0	24.70
			1	23	24.29	24.28	24.25	0.0	24.70	24.29	24.28	24.25	0.0	24.70
			12	6	24.28	24.25	24.23	0.0	24.70	24.28	24.25	24.23	0.0	24.70
			25	0	24.20	24.13	24.17	0.5	24.20	24.20	24.13	24.17	0.5	24.20
		QPSK	1	1	24.32	24.24	24.21	0.0	24.70	24.32	24.24	24.21	0.0	24.70
			1	12	24.30	24.24	24.25	0.0	24.70	24.30	24.24	24.25	0.0	24.70
			1	23	24.29	24.24	24.25	0.0	24.70	24.29	24.24	24.25	0.0	24.70
			12	6	24.28	24.24	24.23	0.0	24.70	24.28	24.24	24.23	0.0	24.70
			25	0	23.70	23.67	23.66	1.0	23.70	23.70	23.67	23.66	1.0	23.70
		16QAM	1	1	23.63	23.64	23.62	1.0	23.70	23.63	23.64	23.62	1.0	23.70
		64QAM	1	1	21.96	21.95	22.17	2.5	22.20	21.96	21.95	22.17	2.5	22.20
		256QAM	1	1	20.17	19.92	20.15	4.5	20.20	20.17	19.92	20.15	4.5	20.20
	CP-OFDM	QPSK	1	1	23.04	23.17	23.09	1.5	23.20	23.04	23.17	23.09	1.5	23.20

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NR Band 7 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000	MPR	Tune-up Limit		507000	MPR	Tune-up Limit	
					2535 MHz				2535 MHz			
40	DFS-s OFDM	π/2 BPSK	1	1	23.28	0.0	23.70		19.70	0.0	20.30	
			1	107	23.52	0.0	23.70		19.79	0.0	20.30	
			1	214	23.21	0.0	23.70		19.77	0.0	20.30	
			108	54	23.39	0.0	23.70		19.89	0.0	20.30	
			216	0	22.97	0.5	23.20		19.80	0.0	20.30	
		QPSK	1	1	23.30	0.0	23.70		19.53	0.0	20.30	
			1	107	23.54	0.0	23.70		19.92	0.0	20.30	
			1	214	23.23	0.0	23.70		19.86	0.0	20.30	
			108	54	23.41	0.0	23.70		20.00	0.0	20.30	
			216	0	22.70	1.0	22.70		19.90	0.0	20.30	
		16QAM	1	1	22.61	1.0	22.70		19.96	0.0	20.30	
		64QAM	1	1	20.93	2.5	21.20		19.74	0.0	20.30	
		256QAM	1	1	19.18	4.5	19.20		18.88	1.1	19.20	
	CP-OFDM	QPSK	1	1	22.10	1.5	22.20		19.84	0.0	20.30	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000	MPR	Tune-up Limit		507000	MPR	Tune-up Limit	
					2535 MHz				2535 MHz			
30	DFS-s OFDM	π/2 BPSK	1	1	22.80	0.0	23.70		19.58	0.0	20.30	
			1	79	22.89	0.0	23.70		19.96	0.0	20.30	
			1	158	23.20	0.0	23.70		19.95	0.0	20.30	
			80	40	23.12	0.0	23.70		20.00	0.0	20.30	
			160	0	23.03	0.5	23.20		20.00	0.0	20.30	
		QPSK	1	1	22.95	0.0	23.70		19.90	0.0	20.30	
			1	107	23.10	0.0	23.70		19.78	0.0	20.30	
			1	214	22.74	0.0	23.70		19.92	0.0	20.30	
			108	54	22.88	0.0	23.70		19.96	0.0	20.30	
			214	0	22.70	1.0	22.70		19.97	0.0	20.30	
		16QAM	1	1	22.67	1.0	22.70		19.70	0.0	20.30	
		64QAM	1	1	21.11	2.5	21.20		19.86	0.0	20.30	
		256QAM	1	1	19.19	4.5	19.20		18.89	1.1	19.20	
	CP-OFDM	QPSK	1	1	22.20	1.5	22.20		19.99	0.0	20.30	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000	MPR	Tune-up Limit		507000	MPR	Tune-up Limit	
					2535 MHz				2535 MHz			
25	DFS-s OFDM	π/2 BPSK	1	1	22.93	0.0	23.70		19.69	0.0	20.30	
			1	66	23.09	0.0	23.70		19.85	0.0	20.30	
			1	131	23.02	0.0	23.70		19.79	0.0	20.30	
			64	32	23.06	0.0	23.70		19.80	0.0	20.30	
			128	0	22.97	0.5	23.20		19.92	0.0	20.30	
		QPSK	1	1	23.11	0.0	23.70		19.69	0.0	20.30	
			1	66	22.94	0.0	23.70		20.00	0.0	20.30	
			1	131	23.05	0.0	23.70		20.00	0.0	20.30	
			64	32	22.98	0.0	23.70		19.97	0.0	20.30	
			128	0	22.70	1.0	22.70		19.90	0.0	20.30	
		16QAM	1	1	22.48	1.0	22.70		19.40	0.0	20.30	
		64QAM	1	1	21.15	2.5	21.20		19.56	0.0	20.30	
		256QAM	1	1	19.18	4.5	19.20		18.59	1.1	19.20	
	CP-OFDM	QPSK	1	1	22.00	1.5	22.20		19.69	0.0	20.30	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					502000	507000	512000	MPR	Tune-up Limit	502000	507000	512000	MPR	Tune-up Limit
					2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20	DFS-s OFDM	π/2 BPSK	1	1	25.01	25.09	24.95	0.0	25.70	20.00	19.86	19.93	0.0	20.30
			1	53	24.86	25.04	24.91	0.0	25.70	19.99	20.03	19.69	0.0	20.30
			1	104	24.85	24.98	24.57	0.0	25.70	19.85	19.83	19.51	0.0	20.30
			50	28	24.95	24.96	24.83	0.0	25.70	19.93	20.01	19.86	0.0	20.30
			100	0	24.95	24.97	24.99	0.5	25.20	19.90	19.89	19.77	0.0	20.30
		QPSK	1	1	25.19	25.12	24.72	0.0	25.70	19.94	20.10	19.99	0.0	20.30
			1	53	24.74	25.20	24.63	0.0	25.70	20.00	19.90	20.00	0.0	20.30
			1	104	24.97	25.10	24.65	0.0	25.70	19.75	19.89	19.86	0.0	20.30
			50	28	24.82	24.63	24.99	0.0	25.70	20.04	19.95	19.82	0.0	20.30
			100	0	24.65	24.70	24.60	1.0	24.70	19.99	19.91	19.79	0.0	20.30
		16QAM	1	1	24.50	23.49	24.53	1.0	24.70	19.86	19.81	19.77	0.0	20.30
		64QAM	1	1	23.00	22.97	23.00	2.5	23.20	20.00	19.98	19.95	0.0	20.30
		256QAM	1	1	21.00	21.20	21.11	4.5	21.20	19.94	19.86	19.89	0.0	20.30
	CP-OFDM	QPSK	1	1	24.01	23.89	23.76	1.5	24.20	19.98	19.90	19.94	0.0	20.30

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NR Band 7 Measured Results (ANT1) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
					501500	507000	512500			501500	507000	512500		
					2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15	DFS-s OFDM	π/2 BPSK	1	1	25.10	24.99	24.98	0.0	25.70	19.66	19.73	19.84	0.0	20.30
			1	40	24.83	25.04	24.97	0.0	25.70	19.10	19.87	19.61	0.0	20.30
			1	77	24.89	25.01	24.99	0.0	25.70	19.04	19.71	19.73	0.0	20.30
			36	18	24.84	24.87	24.85	0.0	25.70	19.07	19.75	19.61	0.0	20.30
			75	0	24.83	24.99	25.20	0.5	25.20	20.00	19.63	19.43	0.0	20.30
		QPSK	1	1	24.99	24.96	25.44	0.0	25.70	19.86	19.98	19.86	0.0	20.30
			1	40	25.00	24.70	25.36	0.0	25.70	19.32	19.28	19.88	0.0	20.30
			1	77	24.74	24.88	25.27	0.0	25.70	19.17	19.30	19.78	0.0	20.30
			36	18	25.13	24.70	24.77	0.0	25.70	19.11	19.47	19.84	0.0	20.30
			75	0	24.70	24.70	24.70	1.0	24.70	19.16	19.17	19.73	0.0	20.30
		16QAM	1	1	24.70	24.66	24.59	1.0	24.70	19.88	19.82	19.80	0.0	20.30
		64QAM	1	1	22.97	22.98	22.97	2.5	23.20	19.74	19.76	19.75	0.0	20.30
		256QAM	1	1	21.18	21.14	21.04	4.5	21.20	19.61	19.62	19.67	0.0	20.30
	CP-OFDM	QPSK	1	1	24.02	23.96	23.81	1.5	24.20	19.71	19.68	19.68	0.0	20.30
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
					501000	507000	513000			501000	507000	513000		
					2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10	DFS-s OFDM	π/2 BPSK	1	1	24.85	24.65	24.96	0.0	25.70	19.82	19.66	19.84	0.0	20.30
			1	25	24.55	25.33	24.84	0.0	25.70	19.72	19.18	19.83	0.0	20.30
			1	50	24.20	25.44	24.81	0.0	25.70	19.99	19.28	19.78	0.0	20.30
			25	12	24.05	25.20	24.80	0.0	25.70	19.42	19.51	20.01	0.0	20.30
			50	0	24.22	25.20	24.86	0.5	25.20	20.00	19.20	19.60	0.0	20.30
		QPSK	1	1	24.09	24.65	25.08	0.0	25.70	19.98	19.83	19.79	0.0	20.30
			1	25	24.14	24.86	25.44	0.0	25.70	19.68	19.60	19.85	0.0	20.30
			1	50	25.03	24.77	24.95	0.0	25.70	19.47	19.51	19.85	0.0	20.30
			25	12	24.40	24.70	24.96	0.0	25.70	19.39	19.29	19.87	0.0	20.30
			50	0	24.20	24.63	24.70	1.0	24.70	19.34	19.40	19.71	0.0	20.30
		16QAM	1	1	24.52	24.28	24.29	1.0	24.70	19.86	19.87	19.82	0.0	20.30
		64QAM	1	1	22.88	22.80	22.68	2.5	23.20	19.72	19.74	19.69	0.0	20.30
		256QAM	1	1	21.18	21.16	20.91	4.5	21.20	19.66	19.61	19.56	0.0	20.30
	CP-OFDM	QPSK	1	1	24.13	24.07	23.96	1.5	24.20	19.69	19.66	19.57	0.0	20.30
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			MPR	Tune-up Limit	Power Mode B (dBm)			MPR	Tune-up Limit
					500500	507000	513500			500500	507000	513500		
					2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	24.81	24.99	25.46	0.0	25.70	19.84	19.20	19.60	0.0	20.30
			1	12	25.21	25.33	24.99	0.0	25.70	19.61	19.10	19.51	0.0	20.30
			1	23	25.45	25.44	24.94	0.0	25.70	19.33	19.07	19.29	0.0	20.30
			12	6	24.85	25.20	24.96	0.0	25.70	19.45	19.17	19.41	0.0	20.30
			25	0	24.78	25.20	24.73	0.5	25.20	19.38	19.69	19.68	0.0	20.30
		QPSK	1	1	25.08	25.08	24.81	0.0	25.70	19.64	19.31	19.57	0.0	20.30
			1	12	25.04	25.33	24.65	0.0	25.70	19.42	19.49	19.44	0.0	20.30
			1	23	24.98	25.44	24.65	0.0	25.70	19.31	19.27	19.73	0.0	20.30
			12	6	24.96	25.20	24.81	0.0	25.70	19.34	19.33	19.61	0.0	20.30
			25	0	24.70	24.70	24.70	1.0	24.70	19.20	19.45	19.43	0.0	20.30
		16QAM	1	1	24.64	24.62	24.37	1.0	24.70	20.09	20.06	20.02	0.0	20.30
		64QAM	1	1	23.15	22.83	23.08	2.5	23.20	20.02	19.96	19.91	0.0	20.30
		256QAM	1	1	21.01	21.15	20.95	4.5	21.20	19.96	19.96	19.83	0.0	20.30
	CP-OFDM	QPSK	1	1	24.15	24.02	23.88	1.5	24.20	19.97	19.88	19.87	0.0	20.30

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NR Band 7 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					507000	MPR	Tune-up Limit	507000	MPR	Tune-up Limit
					2535 MHz			2535 MHz		
40	DFS-s OFDM	π/2 BPSK	1	1	18.00	0.0	19.00	18.71	0.0	19.50
			1	107	18.19	0.0	19.00	18.87	0.0	19.50
			1	214	18.22	0.0	19.00	19.15	0.0	19.50
			108	54	18.17	0.0	19.00	18.94	0.0	19.50
			216	0	18.06	0.0	19.00	18.96	0.0	19.50
		QPSK	1	1	18.11	0.0	19.00	18.61	0.0	19.50
			1	107	18.41	0.0	19.00	18.90	0.0	19.50
			1	214	18.33	0.0	19.00	18.88	0.0	19.50
			108	54	18.50	0.0	19.00	19.10	0.0	19.50
			216	0	18.15	0.0	19.00	18.99	0.0	19.50
		16QAM	1	1	18.32	0.0	19.00	19.07	0.0	19.50
		64QAM	1	1	18.45	0.0	19.00	18.84	0.3	19.20
		256QAM	1	1	17.14	1.8	17.20	16.87	2.3	17.20
	CP-OFDM	QPSK	1	1	18.36	0.0	19.00	19.03	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					507000	MPR	Tune-up Limit	507000	MPR	Tune-up Limit
					2535 MHz			2535 MHz		
30	DFS-s OFDM	π/2 BPSK	1	1	18.35	0.0	19.00	18.83	0.0	19.50
			1	79	18.12	0.0	19.00	18.98	0.0	19.50
			1	158	18.08	0.0	19.00	18.80	0.0	19.50
			80	40	18.28	0.0	19.00	18.90	0.0	19.50
			160	0	18.21	0.0	19.00	18.97	0.0	19.50
		QPSK	1	1	18.08	0.0	19.00	18.89	0.0	19.50
			1	107	18.11	0.0	19.00	18.93	0.0	19.50
			1	214	18.19	0.0	19.00	18.91	0.0	19.50
			108	54	18.14	0.0	19.00	18.79	0.0	19.50
			214	0	18.31	0.0	19.00	18.89	0.0	19.50
		16QAM	1	1	18.35	0.0	19.00	18.87	0.0	19.50
		64QAM	1	1	18.40	0.0	19.00	18.74	0.3	19.20
		256QAM	1	1	17.18	1.8	17.20	16.88	2.3	17.20
	CP-OFDM	QPSK	1	1	18.36	0.0	19.00	18.91	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					507000	MPR	Tune-up Limit	507000	MPR	Tune-up Limit
					2535 MHz			2535 MHz		
25	DFS-s OFDM	π/2 BPSK	1	1	18.32	0.0	19.00	18.84	0.0	19.50
			1	66	18.17	0.0	19.00	18.79	0.0	19.50
			1	131	18.14	0.0	19.00	19.03	0.0	19.50
			64	32	18.19	0.0	19.00	18.99	0.0	19.50
			128	0	18.26	0.0	19.00	18.91	0.0	19.50
		QPSK	1	1	18.20	0.0	19.00	18.80	0.0	19.50
			1	66	18.38	0.0	19.00	19.01	0.0	19.50
			1	131	18.14	0.0	19.00	19.06	0.0	19.50
			64	32	18.20	0.0	19.00	18.96	0.0	19.50
			128	0	18.14	0.0	19.00	18.93	0.0	19.50
		16QAM	1	1	18.07	0.0	19.00	19.12	0.0	19.50
		64QAM	1	1	18.24	0.0	19.00	18.85	0.3	19.20
		256QAM	1	1	17.12	1.8	17.20	16.82	2.3	17.20
	CP-OFDM	QPSK	1	1	18.31	0.0	19.00	18.76	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					502000	507000	512000	MPR	Tune-up Limit	502000	507000	512000	MPR	Tune-up Limit
					2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20	DFS-s OFDM	π/2 BPSK	1	1	18.21	18.19	18.40	0.0	19.00	18.83	18.91	19.05	0.0	19.50
			1	53	18.17	18.44	18.39	0.0	19.00	19.05	18.93	18.84	0.0	19.50
			1	104	18.18	18.39	18.16	0.0	19.00	18.94	18.90	18.88	0.0	19.50
			50	28	18.12	18.31	18.24	0.0	19.00	18.74	18.96	18.90	0.0	19.50
			100	0	18.02	18.35	18.18	0.0	19.00	18.63	18.91	18.87	0.0	19.50
		QPSK	1	1	18.03	18.40	18.28	0.0	19.00	18.80	19.00	18.92	0.0	19.50
			1	53	17.60	18.40	18.14	0.0	19.00	18.97	18.94	18.79	0.0	19.50
			1	104	18.17	18.35	18.22	0.0	19.00	18.88	18.89	18.82	0.0	19.50
			50	28	18.13	18.50	18.32	0.0	19.00	18.79	19.10	19.10	0.0	19.50
			100	0	18.12	18.25	18.25	0.0	19.00	18.77	18.91	18.97	0.0	19.50
		16QAM	1	1	18.74	18.11	18.44	0.0	19.00	18.97	18.76	18.96	0.0	19.50
		64QAM	1	1	18.87	18.45	18.91	0.0	19.00	19.04	18.85	19.04	0.0	19.50
		256QAM	1	1	18.70	18.17	18.49	0.3	18.70	18.10	17.68	17.98	0.8	18.70
	CP-OFDM	QPSK	1	1	18.60	18.31	18.85	0.0	19.00	18.86	18.85	18.67	0.0	19.50

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NR Band 7 Measured Results (ANT2) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					501500	507000	512500	MPR	Tune-up Limit	501500	507000	512500	MPR	Tune-up Limit
					2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15	DFS-s OFDM	π/2 BPSK	1	1	18.10	18.14	18.06	0.0	19.00	18.69	19.19	19.05	0.0	19.50
			1	40	18.38	18.23	18.02	0.0	19.00	18.84	19.09	19.10	0.0	19.50
			1	77	18.14	18.13	18.23	0.0	19.00	18.88	18.80	18.79	0.0	19.50
			36	18	18.18	18.16	18.30	0.0	19.00	18.93	19.00	18.75	0.0	19.50
			75	0	18.05	18.25	18.15	0.0	19.00	18.73	18.84	18.75	0.0	19.50
		QPSK	1	1	18.18	18.03	17.85	0.0	19.00	18.74	19.08	19.24	0.0	19.50
			1	40	18.16	18.24	18.38	0.0	19.00	19.02	18.89	18.93	0.0	19.50
			1	77	18.35	18.14	18.34	0.0	19.00	19.10	19.08	18.85	0.0	19.50
			36	18	18.25	18.35	18.23	0.0	19.00	18.95	18.98	18.71	0.0	19.50
			75	0	18.20	18.31	18.32	0.0	19.00	18.88	19.05	18.91	0.0	19.50
		16QAM	1	1	18.43	18.42	18.43	0.0	19.00	19.03	18.95	18.79	0.0	19.50
		64QAM	1	1	18.34	18.43	18.45	0.0	19.00	19.06	18.99	19.07	0.0	19.50
		256QAM	1	1	18.32	18.15	18.45	0.3	18.70	18.37	18.20	18.10	0.8	18.70
	CP-OFDM	QPSK	1	1	18.34	18.37	18.15	0.0	19.00	19.08	18.91	18.95	0.0	19.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					501000	507000	513000	MPR	Tune-up Limit	501000	507000	513000	MPR	Tune-up Limit
					2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10	DFS-s OFDM	π/2 BPSK	1	1	17.91	18.41	18.32	0.0	19.00	18.65	18.77	18.60	0.0	19.50
			1	25	18.26	18.32	18.04	0.0	19.00	18.52	18.68	18.86	0.0	19.50
			1	50	17.68	18.18	18.07	0.0	19.00	18.60	18.66	18.70	0.0	19.50
			25	12	18.01	18.12	18.17	0.0	19.00	18.62	18.80	18.63	0.0	19.50
			50	0	18.10	18.16	18.15	0.0	19.00	18.68	18.73	18.69	0.0	19.50
		QPSK	1	1	17.68	18.09	18.05	0.0	19.00	18.87	18.68	18.78	0.0	19.50
			1	25	18.04	18.22	17.97	0.0	19.00	18.32	18.57	18.83	0.0	19.50
			1	50	18.01	18.12	18.08	0.0	19.00	18.38	18.55	18.70	0.0	19.50
			25	12	18.07	18.24	18.06	0.0	19.00	18.77	18.84	18.65	0.0	19.50
			50	0	18.03	18.23	18.16	0.0	19.00	18.61	18.80	18.72	0.0	19.50
		16QAM	1	1	18.25	18.42	18.32	0.0	19.00	18.95	19.10	19.10	0.0	19.50
		64QAM	1	1	18.16	18.39	18.43	0.0	19.00	19.14	19.15	19.12	0.0	19.50
		256QAM	1	1	18.29	18.22	18.14	0.3	18.70	18.19	17.92	17.84	0.8	18.70
	CP-OFDM	QPSK	1	1	18.25	18.19	18.22	0.0	19.00	19.06	19.13	19.05	0.0	19.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					500500	507000	513500	MPR	Tune-up Limit	500500	507000	513500	MPR	Tune-up Limit
					2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	17.99	18.35	18.05	0.0	19.00	18.55	18.94	18.78	0.0	19.50
			1	12	18.07	18.05	17.81	0.0	19.00	18.69	18.91	18.53	0.0	19.50
			1	23	18.04	18.07	18.07	0.0	19.00	18.84	18.55	18.56	0.0	19.50
			12	6	17.78	18.16	18.03	0.0	19.00	18.59	18.64	18.73	0.0	19.50
			25	0	17.86	18.04	18.12	0.0	19.00	18.62	18.72	18.74	0.0	19.50
		QPSK	1	1	18.01	17.93	18.01	0.0	19.00	18.65	18.59	18.74	0.0	19.50
			1	12	17.84	18.21	18.20	0.0	19.00	18.65	18.78	18.69	0.0	19.50
			1	23	17.89	18.00	18.00	0.0	19.00	18.60	18.48	18.46	0.0	19.50
			12	6	18.08	18.11	18.03	0.0	19.00	18.69	18.66	18.69	0.0	19.50
			25	0	18.00	18.26	18.05	0.0	19.00	18.47	18.61	18.65	0.0	19.50
		16QAM	1	1	18.33	18.28	18.42	0.0	19.00	18.63	18.58	18.72	0.0	19.50
		64QAM	1	1	18.28	18.45	18.45	0.0	19.00	18.58	18.75	18.75	0.0	19.50
		256QAM	1	1	18.22	18.25	18.21	0.3	18.70	18.52	18.55	18.51	0.8	18.70
	CP-OFDM	QPSK	1	1	18.19	18.26	18.41	0.0	19.00	18.49	18.56	18.71	0.0	19.50

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NR Band 7 Measured Results (ANT3)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000 2535 MHz	MPR	Tune-up Limit		507000 2535 MHz	MPR	Tune-up Limit	
40	DFS-s OFDM	π/2 BPSK	1	1	22.30	0.0	22.50		17.59	0.0	18.50	
			1	107	22.42	0.0	22.50		17.99	0.0	18.50	
			1	214	22.41	0.0	22.50		17.61	0.0	18.50	
			108	54	22.40	0.0	22.50		17.87	0.0	18.50	
			216	0	21.66	0.0	22.50		17.81	0.0	18.50	
		QPSK	1	1	22.35	0.0	22.50		17.86	0.0	18.50	
			1	107	22.42	0.0	22.50		17.67	0.0	18.50	
			1	214	22.37	0.0	22.50		17.82	0.0	18.50	
			108	54	22.40	0.0	22.50		17.99	0.0	18.50	
			216	0	21.66	0.3	22.20		17.75	0.0	18.50	
		16QAM	1	1	21.89	0.3	22.20		17.98	0.0	18.50	
		64QAM	1	1	20.15	1.8	20.70		17.78	0.0	18.50	
		256QAM	1	1	18.22	3.8	18.70		17.83	0.0	18.50	
	CP-OFDM	QPSK	1	1	21.24	0.8	21.70		17.48	0.0	18.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000 2535 MHz	MPR	Tune-up Limit		507000 2535 MHz	MPR	Tune-up Limit	
30	DFS-s OFDM	π/2 BPSK	1	1	22.36	0.0	22.50		17.68	0.0	18.50	
			1	79	22.25	0.0	22.50		17.86	0.0	18.50	
			1	158	22.36	0.0	22.50		17.89	0.0	18.50	
			80	40	22.45	0.0	22.50		17.55	0.0	18.50	
			160	0	21.71	0.0	22.50		17.63	0.0	18.50	
		QPSK	1	1	22.41	0.0	22.50		17.68	0.0	18.50	
			1	107	22.44	0.0	22.50		17.81	0.0	18.50	
			1	214	22.46	0.0	22.50		17.44	0.0	18.50	
			108	54	22.47	0.0	22.50		17.73	0.0	18.50	
			214	0	21.37	0.3	22.20		17.90	0.0	18.50	
		16QAM	1	1	21.82	0.3	22.20		17.90	0.0	18.50	
		64QAM	1	1	20.01	1.8	20.70		17.97	0.0	18.50	
		256QAM	1	1	18.02	3.8	18.70		17.72	0.0	18.50	
	CP-OFDM	QPSK	1	1	20.85	0.8	21.70		17.94	0.0	18.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000 2535 MHz	MPR	Tune-up Limit		507000 2535 MHz	MPR	Tune-up Limit	
25	DFS-s OFDM	π/2 BPSK	1	1	22.37	0.0	22.50		17.75	0.0	18.50	
			1	66	22.45	0.0	22.50		17.81	0.0	18.50	
			1	131	22.29	0.0	22.50		17.70	0.0	18.50	
			64	32	22.30	0.0	22.50		17.79	0.0	18.50	
			128	0	21.42	0.0	22.50		17.84	0.0	18.50	
		QPSK	1	1	22.41	0.0	22.50		17.85	0.0	18.50	
			1	66	22.46	0.0	22.50		17.75	0.0	18.50	
			1	131	22.26	0.0	22.50		17.98	0.0	18.50	
			64	32	22.45	0.0	22.50		17.68	0.0	18.50	
			128	0	21.75	0.3	22.20		17.86	0.0	18.50	
		16QAM	1	1	21.88	0.3	22.20		17.87	0.0	18.50	
		64QAM	1	1	20.13	1.8	20.70		17.97	0.0	18.50	
		256QAM	1	1	17.78	3.8	18.70		17.58	0.0	18.50	
	CP-OFDM	QPSK	1	1	20.89	0.8	21.70		18.00	0.0	18.50	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					502000 2510 MHz	507000 2535 MHz	512000 2560 MHz	MPR	Tune-up Limit	502000 2510 MHz	507000 2535 MHz	512000 2560 MHz	MPR	Tune-up Limit
20	DFS-s OFDM	π/2 BPSK	1	1	22.01	22.06	22.10	0.0	22.50	17.37	17.60	17.41	0.0	18.50
			1	53	21.87	21.80	22.00	0.0	22.50	17.57	17.44	17.55	0.0	18.50
			1	104	22.08	21.99	21.98	0.0	22.50	17.46	17.69	17.46	0.0	18.50
			50	28	22.01	21.97	21.90	0.0	22.50	17.43	17.56	17.46	0.0	18.50
			100	0	21.40	21.42	21.49	0.0	22.50	17.73	17.55	17.33	0.0	18.50
		QPSK	1	1	22.10	22.10	22.08	0.0	22.50	17.83	17.69	17.37	0.0	18.50
			1	53	22.10	22.10	21.32	0.0	22.50	17.73	17.55	17.33	0.0	18.50
			1	104	21.50	21.60	22.00	0.0	22.50	17.79	17.80	17.50	0.0	18.50
			50	28	21.31	21.57	21.41	0.0	22.50	18.00	18.00	17.70	0.0	18.50
			100	0	21.77	21.94	21.90	0.0	22.50	17.91	17.85	17.75	0.0	18.50
		16QAM	1	1	22.00	22.09	21.87	0.0	22.50	17.58	17.97	17.96	0.0	18.50
		64QAM	1	1	20.98	21.07	21.16	0.0	22.50	17.93	17.97	17.99	0.0	18.50
		256QAM	1	1	19.16	19.17	19.18	1.8	20.70	17.80	17.44	17.64	0.0	18.50
	CP-OFDM	QPSK	1	1	21.55	21.51	21.61	0.0	22.50	17.97	17.27	17.97	0.0	18.50

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NR Band 7 Measured Results (ANT3) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					501500	507000	512500	MPR	Tune-up Limit	501500	507000	512500	MPR	Tune-up Limit
					2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15	DFS-s OFDM	π/2 BPSK	1	1	21.98	21.85	21.81	0.0	22.50	17.73	17.55	17.33	0.0	18.50
			1	39	22.08	21.98	21.77	0.0	22.50	17.69	17.63	17.49	0.0	18.50
			1	77	22.09	21.82	21.84	0.0	22.50	17.85	17.68	17.54	0.0	18.50
			36	18	21.95	21.82	21.81	0.0	22.50	17.72	17.81	17.47	0.0	18.50
			75	0	22.08	21.30	21.60	0.0	22.50	17.46	17.69	17.46	0.0	18.50
		QPSK	1	1	21.50	22.08	22.08	0.0	22.50	17.43	17.56	17.46	0.0	18.50
			1	39	21.89	21.77	21.99	0.0	22.50	17.73	17.55	17.33	0.0	18.50
			1	77	22.05	21.94	22.00	0.0	22.50	17.83	17.69	17.37	0.0	18.50
			36	18	21.92	21.90	21.95	0.0	22.50	17.37	17.60	17.41	0.0	18.50
			75	0	21.84	21.85	21.98	0.0	22.50	17.57	17.44	17.55	0.0	18.50
		16QAM	1	1	21.98	22.10	22.04	0.0	22.50	17.44	17.94	17.91	0.0	18.50
		64QAM	1	1	21.06	21.15	21.17	0.0	22.50	17.37	17.63	17.88	0.0	18.50
		256QAM	1	1	19.06	19.12	19.02	1.8	20.70	16.86	17.50	17.45	0.0	18.50
	CP-OFDM	QPSK	1	1	21.77	21.67	21.55	0.0	22.50	17.29	17.73	17.39	0.0	18.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					501000	507000	513000	MPR	Tune-up Limit	501000	507000	513000	MPR	Tune-up Limit
					2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10	DFS-s OFDM	π/2 BPSK	1	1	21.96	22.06	21.91	0.0	22.50	17.73	17.55	17.33	0.0	18.50
			1	25	22.04	22.06	21.65	0.0	22.50	17.29	17.63	17.49	0.0	18.50
			1	50	22.02	21.98	21.95	0.0	22.50	17.95	17.68	17.54	0.0	18.50
			25	12	21.99	21.84	21.82	0.0	22.50	17.91	17.81	17.47	0.0	18.50
			50	0	21.98	21.85	21.81	0.0	22.50	17.50	17.69	17.46	0.0	18.50
		QPSK	1	1	22.08	21.98	21.77	0.0	22.50	17.43	17.56	17.46	0.0	18.50
			1	25	22.09	21.82	21.84	0.0	22.50	17.73	17.55	17.33	0.0	18.50
			1	50	21.91	21.75	21.65	0.0	22.50	17.43	17.56	17.46	0.0	18.50
			25	12	22.10	22.06	21.88	0.0	22.50	17.73	17.55	17.33	0.0	18.50
			50	0	21.99	21.75	21.76	0.0	22.50	17.83	17.69	17.37	0.0	18.50
		16QAM	1	1	22.05	22.09	21.92	0.0	22.50	17.56	18.00	17.97	0.0	18.50
		64QAM	1	1	21.13	21.14	20.98	0.0	22.50	17.37	17.79	17.81	0.0	18.50
		256QAM	1	1	19.18	19.06	19.01	1.8	20.70	17.05	17.40	17.36	0.0	18.50
	CP-OFDM	QPSK	1	1	21.80	21.78	21.74	0.0	22.50	17.20	17.60	17.51	0.0	18.50
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					500500	507000	513500	MPR	Tune-up Limit	500500	507000	513500	MPR	Tune-up Limit
					2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	22.04	22.06	21.65	0.0	22.50	17.92	17.46	17.43	0.0	18.50
			1	12	22.02	22.10	21.95	0.0	22.50	17.69	17.56	17.55	0.0	18.50
			1	23	21.99	21.84	21.82	0.0	22.50	17.83	17.83	17.83	0.0	18.50
			12	6	21.98	21.85	21.81	0.0	22.50	17.69	17.69	17.69	0.0	18.50
			25	0	22.08	21.98	21.77	0.0	22.50	17.37	17.37	17.37	0.0	18.50
		QPSK	1	1	22.09	21.82	21.84	0.0	22.50	17.56	17.46	17.33	0.0	18.50
			1	12	22.03	21.75	21.65	0.0	22.50	17.43	17.56	17.46	0.0	18.50
			1	23	22.10	22.06	21.88	0.0	22.50	17.73	17.55	17.47	0.0	18.50
			12	6	21.89	21.77	21.99	0.0	22.50	17.46	17.69	17.37	0.0	18.50
			25	0	22.05	21.94	22.00	0.0	22.50	17.69	17.56	17.55	0.0	18.50
		16QAM	1	1	22.04	22.07	21.92	0.0	22.50	17.58	17.60	17.72	0.0	18.50
		64QAM	1	1	21.12	21.14	20.97	0.0	22.50	17.35	17.46	17.65	0.0	18.50
		256QAM	1	1	19.88	19.88	19.88	1.8	20.70	17.08	17.42	17.31	0.0	18.50
	CP-OFDM	QPSK	1	1	21.71	21.76	21.75	0.0	22.50	17.22	17.60	17.36	0.0	18.50

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NR Band 7 Measured Results (ANT4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000	MPR	Tune-up Limit		507000	MPR	Tune-up Limit	
					2535 MHz				2535 MHz			
40	DFS-s OFDM	π/2 BPSK	1	1	17.34	0.0	17.80		19.51	0.0	20.30	
			1	107	17.45	0.0	17.80		19.49	0.0	20.30	
			1	214	17.32	0.0	17.80		19.43	0.0	20.30	
			108	54	17.35	0.0	17.80		19.52	0.0	20.30	
			216	0	17.43	0.0	17.80		19.54	0.0	20.30	
		QPSK	1	1	17.24	0.0	17.80		19.38	0.0	20.30	
			1	107	17.48	0.0	17.80		19.45	0.0	20.30	
			1	214	17.26	0.0	17.80		19.63	0.0	20.30	
			108	54	17.48	0.0	17.80		19.35	0.0	20.30	
			216	0	17.45	0.0	17.80		19.53	0.0	20.30	
		16QAM	1	1	17.24	0.0	17.80		19.42	0.0	20.30	
		64QAM	1	1	17.16	0.0	17.80		19.12	1.1	19.20	
		256QAM	1	1	16.79	0.6	17.20		17.13	3.1	17.20	
	CP-OFDM	QPSK	1	1	17.18	0.0	17.80		19.56	0.1	20.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000	MPR	Tune-up Limit		507000	MPR	Tune-up Limit	
					2535 MHz				2535 MHz			
30	DFS-s OFDM	π/2 BPSK	1	1	17.31	0.0	17.80		19.36	0.0	20.30	
			1	79	17.04	0.0	17.80		19.43	0.0	20.30	
			1	158	17.10	0.0	17.80		19.59	0.0	20.30	
			80	40	17.07	0.0	17.80		19.49	0.0	20.30	
			160	0	17.15	0.0	17.80		19.53	0.0	20.30	
		QPSK	1	1	16.93	0.0	17.80		19.59	0.0	20.30	
			1	107	17.27	0.0	17.80		19.31	0.0	20.30	
			1	214	17.22	0.0	17.80		19.59	0.0	20.30	
			108	54	17.09	0.0	17.80		19.53	0.0	20.30	
			214	0	17.04	0.0	17.80		19.58	0.0	20.30	
		16QAM	1	1	17.19	0.0	17.80		19.62	0.0	20.30	
		64QAM	1	1	17.06	0.0	17.80		19.20	1.1	19.20	
		256QAM	1	1	16.80	0.6	17.20		17.14	3.1	17.20	
	CP-OFDM	QPSK	1	1	17.00	0.0	17.80		19.38	0.1	20.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					507000	MPR	Tune-up Limit		507000	MPR	Tune-up Limit	
					2535 MHz				2535 MHz			
25	DFS-s OFDM	π/2 BPSK	1	1	16.94	0.0	17.80		19.43	0.0	20.30	
			1	66	17.16	0.0	17.80		19.36	0.0	20.30	
			1	131	16.99	0.0	17.80		19.35	0.0	20.30	
			64	32	17.03	0.0	17.80		19.30	0.0	20.30	
			128	0	16.93	0.0	17.80		19.27	0.0	20.30	
		QPSK	1	1	16.87	0.0	17.80		19.44	0.0	20.30	
			1	66	17.07	0.0	17.80		19.48	0.0	20.30	
			1	131	17.10	0.0	17.80		19.31	0.0	20.30	
			64	32	16.92	0.0	17.80		19.29	0.0	20.30	
			128	0	17.08	0.0	17.80		19.32	0.0	20.30	
		16QAM	1	1	17.22	0.0	17.80		19.30	0.0	20.30	
		64QAM	1	1	17.14	0.0	17.80		19.14	1.1	19.20	
		256QAM	1	1	16.72	0.6	17.20		17.11	3.1	17.20	
	CP-OFDM	QPSK	1	1	17.06	0.0	17.80		19.46	0.1	20.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					502000	507000	512000	MPR	Tune-up Limit	502000	507000	512000	MPR	Tune-up Limit
					2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20	DFS-s OFDM	π/2 BPSK	1	1	17.13	17.27	17.01	0.0	17.80	19.23	19.39	19.28	0.0	20.30
			1	53	17.22	17.03	16.91	0.0	17.80	19.44	19.15	19.11	0.0	20.30
			1	104	17.18	17.29	16.85	0.0	17.80	19.34	18.95	19.21	0.0	20.30
			50	28	17.21	17.22	16.83	0.0	17.80	19.22	19.13	19.15	0.0	20.30
			100	0	17.18	17.19	16.82	0.0	17.80	19.16	19.05	19.18	0.0	20.30
		QPSK	1	1	17.22	17.38	17.09	0.0	17.80	19.01	19.24	19.23	0.0	20.30
			1	53	17.29	17.39	16.88	0.0	17.80	19.25	19.12	19.18	0.0	20.30
			1	104	17.20	17.05	16.73	0.0	17.80	19.19	19.21	19.16	0.0	20.30
			50	28	17.40	17.21	16.94	0.0	17.80	19.45	19.44	19.45	0.0	20.30
			100	0	17.22	17.07	16.84	0.0	17.80	19.15	19.04	19.15	0.0	20.30
		16QAM	1	1	17.29	17.37	17.38	0.0	17.80	19.21	19.26	19.11	0.0	20.30
		64QAM	1	1	17.16	17.23	17.24	0.0	17.80	19.12	19.18	19.06	0.0	20.30
		256QAM	1	1	17.00	17.15	17.09	0.0	17.80	17.90	17.65	17.77	1.6	18.70
	CP-OFDM	QPSK	1	1	17.06	17.20	17.16	0.0	17.80	19.00	19.03	19.24	0.0	20.30

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NR Band 7 Measured Results (ANT4) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					501500	507000	512500	MPR	Tune-up Limit	501500	507000	512500	MPR	Tune-up Limit
					2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15	DFS-s OFDM	π/2 BPSK	1	1	16.64	16.93	17.01	0.0	17.80	19.07	19.41	19.13	0.0	20.30
			1	39	16.94	16.77	16.84	0.0	17.80	19.22	19.12	19.28	0.0	20.30
			1	77	17.04	16.85	16.87	0.0	17.80	19.20	19.05	19.33	0.0	20.30
			36	18	16.63	16.94	16.71	0.0	17.80	19.19	18.95	19.16	0.0	20.30
			75	0	16.79	16.85	16.78	0.0	17.80	19.16	18.96	19.14	0.0	20.30
		QPSK	1	1	16.93	17.06	16.82	0.0	17.80	19.00	19.20	19.19	0.0	20.30
			1	39	16.75	16.96	16.90	0.0	17.80	19.13	19.24	19.01	0.0	20.30
			1	77	16.91	16.82	16.97	0.0	17.80	19.15	18.99	19.13	0.0	20.30
			36	18	16.83	16.90	16.80	0.0	17.80	19.12	19.01	19.04	0.0	20.30
			75	0	16.72	17.00	16.84	0.0	17.80	19.25	19.04	19.19	0.0	20.30
		16QAM	1	1	17.09	17.11	17.09	0.0	17.80	19.14	19.11	19.10	0.0	20.30
		64QAM	1	1	16.97	17.04	16.94	0.0	17.80	18.99	18.92	18.96	0.0	20.30
		256QAM	1	1	16.81	16.91	16.83	0.0	17.80	17.41	17.51	17.43	1.6	18.70
	CP-OFDM	QPSK	1	1	16.89	16.96	16.88	0.0	17.80	19.04	19.05	19.01	0.0	20.30
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					501000	507000	513000	MPR	Tune-up Limit	501000	507000	513000	MPR	Tune-up Limit
					2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10	DFS-s OFDM	π/2 BPSK	1	1	16.48	17.11	16.87	0.0	17.80	19.11	19.23	19.35	0.0	20.30
			1	25	16.71	17.09	16.74	0.0	17.80	19.36	19.16	19.30	0.0	20.30
			1	50	16.88	17.13	16.73	0.0	17.80	19.30	19.30	19.29	0.0	20.30
			25	12	16.72	16.93	16.83	0.0	17.80	19.16	19.14	19.16	0.0	20.30
			50	0	16.71	17.03	16.93	0.0	17.80	19.15	19.11	19.21	0.0	20.30
		QPSK	1	1	16.73	16.75	16.69	0.0	17.80	19.10	19.16	19.28	0.0	20.30
			1	25	16.95	16.95	16.90	0.0	17.80	19.05	18.97	19.19	0.0	20.30
			1	50	16.75	16.90	16.70	0.0	17.80	19.39	19.31	18.98	0.0	20.30
			25	12	16.77	17.02	16.94	0.0	17.80	19.13	19.06	19.19	0.0	20.30
			50	0	16.82	17.06	16.85	0.0	17.80	19.07	19.11	19.25	0.0	20.30
		16QAM	1	1	17.00	17.04	16.99	0.0	17.80	19.28	19.23	19.17	0.0	20.30
		64QAM	1	1	16.91	16.96	16.94	0.0	17.80	19.14	19.18	19.06	0.0	20.30
		256QAM	1	1	16.82	16.80	16.85	0.0	17.80	17.42	17.40	17.45	1.6	18.70
	CP-OFDM	QPSK	1	1	16.84	16.89	16.89	0.0	17.80	19.07	19.16	19.04	0.0	20.30
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					500500	507000	513500	MPR	Tune-up Limit	500500	507000	513500	MPR	Tune-up Limit
					2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	16.85	17.00	16.83	0.0	17.80	19.06	19.11	19.24	0.0	20.30
			1	12	16.83	16.96	16.78	0.0	17.80	18.98	19.36	19.30	0.0	20.30
			1	23	17.01	17.16	17.03	0.0	17.80	19.37	19.37	19.27	0.0	20.30
			12	6	16.67	17.00	16.62	0.0	17.80	19.06	19.16	19.39	0.0	20.30
			25	0	16.63	16.90	16.68	0.0	17.80	18.97	19.06	19.19	0.0	20.30
		QPSK	1	1	16.74	16.91	16.88	0.0	17.80	18.81	18.97	19.09	0.0	20.30
			1	12	16.72	17.06	16.84	0.0	17.80	19.08	19.28	19.52	0.0	20.30
			1	23	16.74	16.98	16.75	0.0	17.80	19.23	19.26	19.33	0.0	20.30
			12	6	16.78	16.91	16.69	0.0	17.80	19.13	18.97	19.31	0.0	20.30
			25	0	16.83	16.90	16.81	0.0	17.80	18.94	19.14	19.30	0.0	20.30
		16QAM	1	1	17.07	17.04	17.02	0.0	17.80	19.26	19.29	19.24	0.0	20.30
		64QAM	1	1	16.93	16.96	16.91	0.0	17.80	19.15	19.18	19.12	0.0	20.30
		256QAM	1	1	16.74	16.78	16.72	0.0	17.80	17.34	17.38	17.32	1.6	18.70
	CP-OFDM	QPSK	1	1	16.88	16.89	16.84	0.0	17.80	18.99	18.97	18.98	0.0	20.30

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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)				
					141500	MPR	Tune-up Limit	141500	MPR	Tune-up Limit		
					707.5 MHz			707.5 MHz				
15	DFS-s OFDM	PI/2 BPSK	1	1	25.15	0.0	25.70	25.15	0.0	25.70		
			1	40	25.25	0.0	25.70	25.25	0.0	25.70		
			1	77	25.23	0.0	25.70	25.23	0.0	25.70		
			36	18	25.00	0.0	25.70	25.00	0.0	25.70		
			75	0	25.17	0.5	25.20	25.17	0.5	25.20		
		QPSK	1	1	25.21	0.0	25.70	25.21	0.0	25.70		
			1	40	25.26	0.0	25.70	25.26	0.0	25.70		
			1	77	24.95	0.0	25.70	24.95	0.0	25.70		
			36	18	25.13	0.0	25.70	25.13	0.0	25.70		
			75	0	24.70	1.0	24.70	24.70	1.0	24.70		
		16QAM	1	1	24.70	1.0	24.70	24.70	1.0	24.70		
		64QAM	1	1	23.11	2.5	23.20	23.11	2.5	23.20		
		256QAM	1	1	21.12	4.5	21.20	21.12	4.5	21.20		
	CP-OFDM	QPSK	1	1	23.96	1.5	24.20	23.96	1.5	24.20		

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)				
					141500	MPR	Tune-up Limit	141500	MPR	Tune-up Limit		
					707.5 MHz			707.5 MHz				
10	DFS-s OFDM	PI/2 BPSK	1	1	25.25	0.0	25.70	25.25	0.0	25.70		
			1	25	25.17	0.0	25.70	25.17	0.0	25.70		
			1	50	25.11	0.0	25.70	25.11	0.0	25.70		
			25	12	25.12	0.0	25.70	25.12	0.0	25.70		
			50	0	25.17	0.5	25.20	25.17	0.5	25.20		
		QPSK	1	1	25.17	0.0	25.70	25.17	0.0	25.70		
			1	25	25.26	0.0	25.70	25.26	0.0	25.70		
			1	50	25.06	0.0	25.70	25.06	0.0	25.70		
			25	12	25.12	0.0	25.70	25.12	0.0	25.70		
			50	0	24.70	1.0	24.70	24.70	1.0	24.70		
		16QAM	1	1	24.69	1.0	24.70	24.69	1.0	24.70		
		64QAM	1	1	23.01	2.5	23.20	23.01	2.5	23.20		
		256QAM	1	1	21.05	4.5	21.20	21.05	4.5	21.20		
	CP-OFDM	QPSK	1	1	23.89	1.5	24.20	23.89	1.5	24.20		

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					140300	141500	142700	MPR	Tune-up Limit	140300	141500	142700	MPR	Tune-up Limit
					701.5 MHz	707.5 MHz	713.5 MHz			701.5 MHz	707.5 MHz	713.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	25.18	25.16	25.00	0.0	25.70	25.18	25.16	25.00	0.0	25.70
			1	12	25.20	25.15	25.00	0.0	25.70	25.20	25.15	25.00	0.0	25.70
			1	23	25.10	24.99	24.85	0.0	25.70	25.10	24.99	24.85	0.0	25.70
			12	6	25.12	25.16	25.00	0.0	25.70	25.12	25.16	25.00	0.0	25.70
			25	0	25.07	25.17	25.10	0.5	25.20	25.07	25.17	25.10	0.5	25.20
		QPSK	1	1	25.24	25.17	25.09	0.0	25.70	25.24	25.17	25.09	0.0	25.70
			1	12	25.12	25.02	24.89	0.0	25.70	25.12	25.02	24.89	0.0	25.70
			1	23	24.97	24.98	24.90	0.0	25.70	24.97	24.98	24.90	0.0	25.70
			12	6	25.13	25.17	25.04	0.0	25.70	25.13	25.17	25.04	0.0	25.70
			25	0	24.70	24.70	24.70	1.0	24.70	24.70	24.70	24.70	1.0	24.70
		16QAM	1	1	24.60	24.60	24.56	1.0	24.70	24.60	24.60	24.56	1.0	24.70
		64QAM	1	1	23.01	23.18	23.02	2.5	23.20	23.01	23.18	23.02	2.5	23.20
		256QAM	1	1	21.12	21.19	20.98	4.5	21.20	21.12	21.19	20.98	4.5	21.20
	CP-OFDM	QPSK	1	1	23.97	23.86	23.75	1.5	24.20	23.97	23.86	23.75	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)			
					141500	MPR	Tune-up Limit		141500	MPR	Tune-up Limit	
					707.5 MHz				707.5 MHz			
15	DFS-s OFDM	PI/2 BPSK	1	1	24.28	0.0	24.70		24.28	0.0	24.70	
			1	40	24.28	0.0	24.70		24.28	0.0	24.70	
			1	77	24.14	0.0	24.70		24.14	0.0	24.70	
			36	18	24.06	0.0	24.70		24.06	0.0	24.70	
			75	0	24.11	0.5	24.20		24.11	0.5	24.20	
		QPSK	1	1	24.22	0.0	24.70		24.22	0.0	24.70	
			1	40	24.30	0.0	24.70		24.30	0.0	24.70	
			1	77	24.12	0.0	24.70		24.12	0.0	24.70	
			36	18	24.09	0.0	24.70		24.09	0.0	24.70	
			75	0	23.57	1.0	23.70		23.57	1.0	23.70	
		16QAM	1	1	23.61	1.0	23.70		23.61	1.0	23.70	
		64QAM	1	1	22.15	2.5	22.20		22.15	2.5	22.20	
		256QAM	1	1	20.08	4.5	20.20		20.08	4.5	20.20	
	CP-OFDM	QPSK	1	1	23.14	1.5	23.20		23.14	1.5	23.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					141500	MPR	Tune-up Limit		141500	MPR	Tune-up Limit	
					707.5 MHz				707.5 MHz			
10	DFS-s OFDM	PI/2 BPSK	1	1	24.28	0.0	24.70		24.28	0.0	24.70	
			1	25	24.22	0.0	24.70		24.22	0.0	24.70	
			1	50	24.10	0.0	24.70		24.10	0.0	24.70	
			25	12	24.08	0.0	24.70		24.08	0.0	24.70	
			50	0	24.04	0.5	24.20		24.04	0.5	24.20	
		QPSK	1	1	24.22	0.0	24.70		24.22	0.0	24.70	
			1	25	24.17	0.0	24.70		24.17	0.0	24.70	
			1	50	24.08	0.0	24.70		24.08	0.0	24.70	
			25	12	24.00	0.0	24.70		24.00	0.0	24.70	
			50	0	23.67	1.0	23.70		23.67	1.0	23.70	
		16QAM	1	1	23.67	1.0	23.70		23.67	1.0	23.70	
		64QAM	1	1	22.10	2.5	22.20		22.10	2.5	22.20	
		256QAM	1	1	20.19	4.5	20.20		20.19	4.5	20.20	
	CP-OFDM	QPSK	1	1	23.18	1.5	23.20		23.18	1.5	23.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					140300	141500	142700	MPR	Tune-up Limit	140300	141500	142700	MPR	Tune-up Limit
					701.5 MHz	707.5 MHz	713.5 MHz			701.5 MHz	707.5 MHz	713.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	24.12	24.12	24.10	0.0	24.70	24.12	24.12	24.10	0.0	24.70
			1	12	24.11	24.15	24.10	0.0	24.70	24.11	24.15	24.10	0.0	24.70
			1	23	24.04	24.06	24.04	0.0	24.70	24.04	24.06	24.04	0.0	24.70
			12	6	24.01	24.01	24.01	0.0	24.70	24.01	24.01	24.01	0.0	24.70
			25	0	24.09	24.12	24.20	0.5	24.20	24.09	24.12	24.20	0.5	24.20
		QPSK	1	1	24.16	24.20	24.17	0.0	24.70	24.16	24.20	24.17	0.0	24.70
			1	12	24.08	24.08	24.03	0.0	24.70	24.08	24.08	24.03	0.0	24.70
			1	23	24.07	24.08	24.08	0.0	24.70	24.07	24.08	24.08	0.0	24.70
			12	6	24.00	24.00	24.02	0.0	24.70	24.00	24.00	24.02	0.0	24.70
			25	0	23.67	23.70	23.65	1.0	23.70	23.67	23.70	23.65	1.0	23.70
		16QAM	1	1	23.35	23.45	23.56	1.0	23.70	23.35	23.45	23.56	1.0	23.70
		64QAM	1	1	22.14	21.91	21.93	2.5	22.20	22.14	21.91	21.93	2.5	22.20
		256QAM	1	1	19.96	20.20	20.04	4.5	20.20	19.96	20.20	20.04	4.5	20.20
	CP-OFDM	QPSK	1	1	22.92	23.09	23.08	1.5	23.20	22.92	23.09	23.08	1.5	23.20

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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)				
					376500			MPR	Tune-up Limit	376500			MPR	Tune-up Limit
					1882.5 MHz					1882.5 MHz				
40	DFS-s OFDM	PI/2 BPSK	1	1	23.05			0.0	23.70	18.90			0.0	20.00
			1	107	22.66			0.0	23.70	18.87			0.0	20.00
			1	214	23.02			0.0	23.70	18.89			0.0	20.00
			108	54	22.58			0.0	23.70	18.54			0.0	20.00
			216	0	22.98			0.5	23.20	18.70			0.0	20.00
		QPSK	1	1	22.90			0.0	23.70	18.88			0.0	20.00
			1	107	23.10			0.0	23.70	18.98			0.0	20.00
			1	214	22.86			0.0	23.70	18.97			0.0	20.00
			108	54	22.65			0.0	23.70	18.98			0.0	20.00
			216	0	22.50			1.0	22.70	18.78			0.0	20.00
		16QAM	1	1	22.59			1.0	22.70	18.64			0.0	20.00
		64QAM	1	1	21.12			2.5	21.20	18.53			0.0	20.00
		256QAM	1	1	19.18			4.5	19.20	18.42			0.8	19.20
	CP-OFDM	QPSK	1	1	22.11			1.5	22.20	18.47			0.0	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					376500			MPR	Tune-up Limit	376500			MPR	Tune-up Limit
					1882.5 MHz					1882.5 MHz				
30	DFS-s OFDM	PI/2 BPSK	1	1	22.98			0.0	23.70	19.02			0.0	20.00
			1	79	22.58			0.0	23.70	18.57			0.0	20.00
			1	158	22.83			0.0	23.70	18.99			0.0	20.00
			80	40	22.83			0.0	23.70	18.69			0.0	20.00
			160	0	22.73			0.5	23.20	18.86			0.0	20.00
		QPSK	1	1	22.85			0.0	23.70	18.85			0.0	20.00
			1	79	22.58			0.0	23.70	18.64			0.0	20.00
			1	158	22.69			0.0	23.70	18.82			0.0	20.00
			80	40	22.70			0.0	23.70	18.62			0.0	20.00
			160	0	22.68			1.0	22.70	18.63			0.0	20.00
		16QAM	1	1	22.53			1.0	22.70	18.66			0.0	20.00
		64QAM	1	1	21.18			2.5	21.20	18.60			0.0	20.00
		256QAM	1	1	19.16			4.5	19.20	18.53			0.8	19.20
	CP-OFDM	QPSK	1	1	21.94			1.5	22.20	18.56			0.0	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					376500			MPR	Tune-up Limit	376500			MPR	Tune-up Limit
					1882.5 MHz					1882.5 MHz				
25	DFS-s OFDM	PI/2 BPSK	1	1	22.84			0.0	23.70	18.95			0.0	20.00
			1	66	22.73			0.0	23.70	18.63			0.0	20.00
			1	131	22.90			0.0	23.70	18.82			0.0	20.00
			64	32	22.63			0.0	23.70	18.63			0.0	20.00
			128	0	23.05			0.5	23.20	18.73			0.0	20.00
		QPSK	1	1	22.92			0.0	23.70	18.80			0.0	20.00
			1	66	22.50			0.0	23.70	19.02			0.0	20.00
			1	131	22.90			0.0	23.70	19.32			0.0	20.00
			64	32	22.63			0.0	23.70	19.12			0.0	20.00
			128	0	22.68			1.0	22.70	18.90			0.0	20.00
		16QAM	1	1	22.58			1.0	22.70	18.63			0.0	20.00
		64QAM	1	1	21.14			2.5	21.20	18.50			0.0	20.00
		256QAM	1	1	19.20			4.5	19.20	18.39			0.8	19.20
	CP-OFDM	QPSK	1	1	21.78			1.5	22.20	18.45			0.0	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					372000	376500	381000	MPR	Tune-up Limit	372000	376500	381000	MPR	Tune-up Limit
					1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	24.69	24.65	24.71	0.0	25.70	18.78	18.56	18.97	0.0	20.00
			1	53	24.65	24.56	24.46	0.0	25.70	18.50	18.51	18.64	0.0	20.00
			1	104	24.72	24.79	24.32	0.0	25.70	18.73	18.61	18.42	0.0	20.00
			50	28	24.65	24.59	24.51	0.0	25.70	18.71	18.63	18.49	0.0	20.00
			100	0	24.76	24.60	24.41	0.5	25.20	18.92	18.97	18.96	0.0	20.00
		QPSK	1	1	24.91	24.61	24.42	0.0	25.70	18.66	18.78	18.59	0.0	20.00
			1	53	24.69	25.01	24.35	0.0	25.70	18.64	19.00	18.78	0.0	20.00
			1	104	24.60	24.87	24.37	0.0	25.70	18.62	18.73	18.44	0.0	20.00
			50	28	24.74	24.63	24.62	0.0	25.70	18.87	19.00	18.93	0.0	20.00
			100	0	24.69	24.70	24.54	1.0	24.70	18.61	18.53	18.67	0.0	20.00
		16QAM	1	1	24.42	24.64	24.62	1.0	24.70	18.66	18.60	18.56	0.0	20.00
		64QAM	1	1	23.17	23.12	23.06	2.5	23.20	18.53	18.51	18.47	0.0	20.00
		256QAM	1	1	21.09	21.11	21.11	4.5	21.20	18.42	18.36	18.33	0.0	20.00
	CP-OFDM	QPSK	1	1	24.12	24.04	23.89	1.5	24.20	18.47	18.45	18.38	0.0	20.00

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NR Band 25 Measured Results (ANT1) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371500	376500	381500	MPR	Tune-up Limit	371500	376500	381500	MPR	Tune-up Limit
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15	DFS-s OFDM	PI/2 BPSK	1	1	24.83	24.51	24.35	0.0	25.70	18.71	18.77	18.68	0.0	20.00
			1	40	24.53	24.65	24.71	0.0	25.70	18.98	18.73	18.49	0.0	20.00
			1	77	25.10	24.58	24.63	0.0	25.70	18.84	18.90	18.69	0.0	20.00
			36	18	24.63	24.53	24.39	0.0	25.70	18.69	18.59	18.49	0.0	20.00
			75	0	24.96	24.99	24.97	0.5	25.20	18.96	18.99	18.92	0.0	20.00
		QPSK	1	1	24.59	24.56	24.76	0.0	25.70	18.89	18.61	18.75	0.0	20.00
			1	40	25.02	24.69	24.60	0.0	25.70	18.73	18.53	18.82	0.0	20.00
			1	77	24.92	24.88	24.41	0.0	25.70	18.75	18.67	18.85	0.0	20.00
			36	18	24.79	24.54	24.60	0.0	25.70	18.76	18.63	18.55	0.0	20.00
			75	0	24.70	24.70	24.70	1.0	24.70	18.91	18.98	18.99	0.0	20.00
		16QAM	1	1	24.52	24.61	24.69	1.0	24.70	18.69	18.62	18.59	0.0	20.00
		64QAM	1	1	22.85	23.05	23.07	2.5	23.20	18.57	18.53	18.47	0.0	20.00
		256QAM	1	1	20.92	21.08	21.20	4.5	21.20	18.46	18.39	18.35	0.0	20.00
	CP-OFDM	QPSK	1	1	23.84	23.73	23.62	1.5	24.20	18.36	18.45	18.40	0.0	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371000	376500	382000	MPR	Tune-up Limit	371000	376500	382000	MPR	Tune-up Limit
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	24.39	24.91	24.99	0.0	25.70	18.45	18.42	18.49	0.0	20.00
			1	25	24.69	24.99	25.07	0.0	25.70	18.42	18.47	18.46	0.0	20.00
			1	50	24.86	25.03	24.97	0.0	25.70	18.47	18.44	18.48	0.0	20.00
			25	12	24.54	24.96	24.93	0.0	25.70	18.46	18.45	18.42	0.0	20.00
			50	0	24.63	24.39	24.97	0.5	25.20	18.45	18.40	18.32	0.0	20.00
		QPSK	1	1	24.69	24.92	24.89	0.0	25.70	18.44	18.48	18.46	0.0	20.00
			1	25	24.74	24.94	24.92	0.0	25.70	18.41	18.45	18.47	0.0	20.00
			1	50	24.66	24.97	25.02	0.0	25.70	18.49	18.47	18.49	0.0	20.00
			25	12	24.56	24.99	24.96	0.0	25.70	18.47	18.42	18.44	0.0	20.00
			50	0	24.70	24.70	24.70	1.0	24.70	18.49	18.46	18.48	0.0	20.00
		16QAM	1	1	24.28	24.40	24.63	1.0	24.70	19.18	19.11	19.07	0.0	20.00
		64QAM	1	1	23.16	22.91	22.94	2.5	23.20	19.06	19.02	18.93	0.0	20.00
		256QAM	1	1	20.91	21.04	21.18	4.5	21.20	18.91	18.86	18.72	0.0	20.00
	CP-OFDM	QPSK	1	1	23.96	23.84	23.71	1.5	24.20	18.96	18.93	18.86	0.0	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					370500	376500	382500	MPR	Tune-up Limit	370500	376500	382500	MPR	Tune-up Limit
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	24.91	24.89	24.98	0.0	25.70	18.44	18.42	18.49	0.0	20.00
			1	12	24.88	24.91	24.93	0.0	25.70	18.42	18.45	18.48	0.0	20.00
			1	23	24.93	24.94	24.96	0.0	25.70	18.46	18.40	18.47	0.0	20.00
			12	6	24.95	24.96	24.90	0.0	25.70	18.49	18.48	18.49	0.0	20.00
			25	0	24.93	24.96	24.90	0.5	25.20	18.40	18.43	18.41	0.0	20.00
		QPSK	1	1	24.92	24.99	24.95	0.0	25.70	18.43	18.46	18.41	0.0	20.00
			1	12	24.96	24.97	24.93	0.0	25.70	18.47	18.41	18.48	0.0	20.00
			1	23	24.99	25.04	24.98	0.0	25.70	18.46	18.47	18.49	0.0	20.00
			12	6	24.97	24.95	24.97	0.0	25.70	18.49	18.44	18.47	0.0	20.00
			25	0	24.70	24.56	24.69	1.0	24.70	18.46	18.45	18.44	0.0	20.00
		16QAM	1	1	24.34	24.64	24.62	1.0	24.70	19.16	19.11	19.05	0.0	20.00
		64QAM	1	1	22.90	22.97	23.05	2.5	23.20	19.02	19.06	18.95	0.0	20.00
		256QAM	1	1	20.85	20.94	21.15	4.5	21.20	18.93	18.84	18.81	0.0	20.00
	CP-OFDM	QPSK	1	1	24.01	23.96	23.82	1.5	24.20	18.96	18.86	18.86	0.0	20.00

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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)				
					376500			MPR	Tune-up Limit	376500			MPR	Tune-up Limit
					1882.5 MHz					1882.5 MHz				
40	DFS-s OFDM	PI/2 BPSK	1	1	20.39			0.0	20.70	21.19			0.0	21.70
			1	107	20.47			0.0	20.70	21.27			0.0	21.70
			1	214	20.40			0.0	20.70	21.49			0.0	21.70
			108	54	20.41			0.0	20.70	21.21			0.0	21.70
			216	0	20.30			0.0	20.70	21.10			0.5	21.20
		QPSK	1	1	20.57			0.0	20.70	21.37			0.0	21.70
			1	107	20.62			0.0	20.70	21.30			0.0	21.70
			1	214	20.62			0.0	20.70	21.52			0.0	21.70
			108	54	20.52			0.0	20.70	21.52			0.0	21.70
			216	0	20.29			0.0	20.70	20.29			1.0	20.70
		16QAM	1	1	20.56			0.0	20.70	20.56			1.0	20.70
		64QAM	1	1	19.00			1.5	19.20	19.00			2.5	19.20
		256QAM	1	1	16.89			3.5	17.20	16.89			4.5	17.20
	CP-OFDM	QPSK	1	1	20.20			0.5	20.20	20.20			1.5	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					376500			MPR	Tune-up Limit	376500			MPR	Tune-up Limit
					1882.5 MHz					1882.5 MHz				
30	DFS-s OFDM	PI/2 BPSK	1	1	20.69			0.0	20.70	21.19			0.0	21.70
			1	79	20.40			0.0	20.70	20.90			0.0	21.70
			1	158	20.65			0.0	20.70	21.24			0.0	21.70
			80	40	20.44			0.0	20.70	20.94			0.0	21.70
			160	0	20.70			0.0	20.70	21.20			0.5	21.20
		QPSK	1	1	20.63			0.0	20.70	21.13			0.0	21.70
			1	79	20.58			0.0	20.70	21.08			0.0	21.70
			1	158	20.69			0.0	20.70	21.26			0.0	21.70
			80	40	20.45			0.0	20.70	20.95			0.0	21.70
			160	0	20.44			0.0	20.70	20.44			1.0	20.70
		16QAM	1	1	20.63			0.0	20.70	20.63			1.0	20.70
		64QAM	1	1	19.20			1.5	19.20	19.20			2.5	19.20
		256QAM	1	1	17.20			3.5	17.20	17.20			4.5	17.20
	CP-OFDM	QPSK	1	1	20.14			0.5	20.20	20.14			1.5	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					376500			MPR	Tune-up Limit	376500			MPR	Tune-up Limit
					1882.5 MHz					1882.5 MHz				
25	DFS-s OFDM	PI/2 BPSK	1	1	20.68			0.0	20.70	21.28			0.0	21.70
			1	66	20.49			0.0	20.70	20.99			0.0	21.70
			1	131	20.63			0.0	20.70	21.13			0.0	21.70
			64	32	20.42			0.0	20.70	20.92			0.0	21.70
			128	0	20.70			0.0	20.70	21.20			0.5	21.20
		QPSK	1	1	20.60			0.0	20.70	21.10			0.0	21.70
			1	66	20.44			0.0	20.70	20.94			0.0	21.70
			1	131	20.70			0.0	20.70	21.20			0.0	21.70
			64	32	20.44			0.0	20.70	20.94			0.0	21.70
			128	0	20.49			0.0	20.70	20.49			1.0	20.70
		16QAM	1	1	20.65			0.0	20.70	20.65			1.0	20.70
		64QAM	1	1	19.10			1.5	19.20	19.10			2.5	19.20
		256QAM	1	1	17.14			3.5	17.20	17.14			4.5	17.20
	CP-OFDM	QPSK	1	1	20.13			0.5	20.20	20.13			1.5	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					372000	376500	381000	MPR	Tune-up Limit	372000	376500	381000	MPR	Tune-up Limit
					1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	20.23	20.28	20.38	0.0	20.70	21.13	21.18	21.28	0.0	21.70
			1	53	20.36	20.30	20.12	0.0	20.70	21.26	21.20	21.02	0.0	21.70
			1	104	20.32	20.18	20.34	0.0	20.70	21.22	21.08	21.24	0.0	21.70
			50	28	20.22	20.40	20.42	0.0	20.70	21.12	21.30	21.32	0.0	21.70
			100	0	20.63	20.46	20.70	0.0	20.70	21.53	21.36	21.61	0.0	21.70
		QPSK	1	1	20.16	20.37	20.46	0.0	20.70	21.06	21.27	21.36	0.0	21.70
			1	53	20.23	20.50	20.36	0.0	20.70	21.13	21.40	21.26	0.0	21.70
			1	104	20.33	20.33	20.39	0.0	20.70	21.23	21.23	21.29	0.0	21.70
			50	28	20.27	20.42	20.46	0.0	20.70	21.17	21.40	21.40	0.0	21.70
			100	0	20.36	20.18	20.28	0.0	20.70	21.26	21.08	21.18	0.0	21.70
		16QAM	1	1	20.69	20.67	20.65	0.0	20.70	20.94	20.67	20.65	0.0	21.70
		64QAM	1	1	20.27	20.66	20.61	0.0	20.70	21.02	20.66	20.61	0.5	21.20
		256QAM	1	1	18.30	18.32	18.31	1.5	19.20	18.30	18.32	18.31	2.5	19.20
	CP-OFDM	QPSK	1	1	20.46	20.58	20.66	0.0	20.70	21.18	20.58	20.66	0.0	21.70

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NR Band 25 Measured Results (ANT2) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371500	376500	381500	MPR	Tune-up Limit	371500	376500	381500	MPR	Tune-up Limit
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15	DFS-s OFDM	PI/2 BPSK	1	1	20.36	20.44	20.34	0.0	20.70	21.06	21.14	21.04	0.0	21.70
			1	40	20.18	20.35	20.59	0.0	20.70	20.88	21.05	21.29	0.0	21.70
			1	77	20.30	20.36	20.51	0.0	20.70	21.00	21.06	21.21	0.0	21.70
			36	18	20.16	20.38	20.36	0.0	20.70	20.86	21.08	21.06	0.0	21.70
			75	0	20.38	20.28	20.36	0.0	20.70	21.08	20.98	21.06	0.0	21.70
		QPSK	1	1	20.42	20.36	20.51	0.0	20.70	21.12	21.06	21.21	0.0	21.70
			1	40	20.29	20.18	20.60	0.0	20.70	20.99	20.88	21.30	0.0	21.70
			1	77	20.38	20.28	20.43	0.0	20.70	21.08	20.98	21.13	0.0	21.70
			36	18	20.26	20.41	20.44	0.0	20.70	20.96	21.11	21.14	0.0	21.70
			75	0	20.36	20.36	20.51	0.0	20.70	21.06	21.06	21.21	0.0	21.70
		16QAM	1	1	20.27	20.27	20.44	0.0	20.70	20.27	20.27	20.44	0.0	21.70
		64QAM	1	1	20.53	20.70	20.66	0.0	20.70	20.53	20.70	20.66	0.5	21.20
		256QAM	1	1	18.70	18.85	19.06	1.5	19.20	18.70	18.85	19.06	2.5	19.20
	CP-OFDM	QPSK	1	1	20.27	20.42	20.49	0.0	20.70	20.27	20.42	20.49	0.0	21.70
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371000	376500	382000	MPR	Tune-up Limit	371000	376500	382000	MPR	Tune-up Limit
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	20.31	20.38	20.41	0.0	20.70	21.01	21.08	21.11	0.0	21.70
			1	25	20.26	20.42	20.30	0.0	20.70	20.96	21.12	21.00	0.0	21.70
			1	50	20.43	20.32	20.39	0.0	20.70	21.13	21.02	21.09	0.0	21.70
			25	12	20.29	20.38	20.32	0.0	20.70	20.99	21.08	21.02	0.0	21.70
			50	0	20.36	20.45	20.70	0.0	20.70	21.06	21.15	21.43	0.0	21.70
		QPSK	1	1	20.49	20.51	20.48	0.0	20.70	21.19	21.21	21.18	0.0	21.70
			1	25	20.25	20.59	20.35	0.0	20.70	20.95	21.29	21.05	0.0	21.70
			1	50	20.48	20.33	20.38	0.0	20.70	21.18	21.03	21.08	0.0	21.70
			25	12	20.29	20.43	20.31	0.0	20.70	20.99	21.13	21.01	0.0	21.70
			50	0	20.59	20.51	20.36	0.0	20.70	21.29	21.21	21.06	0.0	21.70
		16QAM	1	1	20.24	20.56	20.29	0.0	20.70	20.24	20.56	20.29	0.0	21.70
		64QAM	1	1	20.39	20.65	20.68	0.0	20.70	20.39	20.65	20.68	0.5	21.20
		256QAM	1	1	18.92	19.19	18.74	1.5	19.20	18.92	19.19	18.74	2.5	19.20
	CP-OFDM	QPSK	1	1	20.61	20.47	20.52	0.0	20.70	20.61	20.47	20.52	0.0	21.70
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					370500	376500	382500	MPR	Tune-up Limit	370500	376500	382500	MPR	Tune-up Limit
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	20.27	20.38	20.23	0.0	20.70	20.97	21.08	20.93	0.0	21.70
			1	12	20.24	20.26	20.26	0.0	20.70	20.94	20.96	20.96	0.0	21.70
			1	23	20.16	20.20	20.15	0.0	20.70	20.86	20.90	20.85	0.0	21.70
			12	6	20.30	20.34	20.31	0.0	20.70	21.00	21.04	21.01	0.0	21.70
			25	0	20.60	20.43	20.44	0.0	20.70	21.30	21.13	21.14	0.0	21.70
		QPSK	1	1	20.34	20.36	20.20	0.0	20.70	21.04	21.06	20.90	0.0	21.70
			1	12	20.26	20.51	20.18	0.0	20.70	20.96	21.21	20.88	0.0	21.70
			1	23	20.39	20.40	20.60	0.0	20.70	21.09	21.10	21.30	0.0	21.70
			12	6	20.26	20.35	20.28	0.0	20.70	20.96	21.05	20.98	0.0	21.70
			25	0	20.38	20.42	20.32	0.0	20.70	21.08	21.12	21.02	0.0	21.70
		16QAM	1	1	20.50	20.12	20.66	0.0	20.70	20.50	20.12	20.66	0.0	21.70
		64QAM	1	1	20.65	20.20	20.57	0.0	20.70	20.65	20.20	20.57	0.5	21.20
		256QAM	1	1	18.81	18.92	19.15	1.5	19.20	18.81	18.92	19.15	2.5	19.20
	CP-OFDM	QPSK	1	1	20.08	20.25	20.33	0.0	20.70	20.08	20.25	20.33	0.0	21.70

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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)				
					376500			MPR	Tune-up Limit	376500			MPR	Tune-up Limit
					1882.5 MHz					1882.5 MHz				
40	DFS-s OFDM	PI/2 BPSK	1	1	22.86			0.0	23.20	19.11			0.0	20.00
			1	107	22.71			0.0	23.20	19.00			0.0	20.00
			1	214	22.91			0.0	23.20	19.10			0.0	20.00
			108	54	22.68			0.0	23.20	19.07			0.0	20.00
			216	0	22.05			0.5	22.70	19.09			0.0	20.00
		QPSK	1	1	22.68			0.0	23.20	19.05			0.0	20.00
			1	107	22.92			0.0	23.20	19.08			0.0	20.00
			1	214	22.90			0.0	23.20	19.28			0.0	20.00
			108	54	22.59			0.0	23.20	19.30			0.0	20.00
			216	0	22.00			1.0	22.20	19.15			0.0	20.00
		16QAM	1	1	22.11			1.0	22.20	19.06			0.0	20.00
		64QAM	1	1	20.22			2.5	20.70	18.92			0.0	20.00
		256QAM	1	1	18.67			4.5	18.70	17.70			1.3	18.70
	CP-OFDM	QPSK	1	1	21.70			1.5	21.70	19.00			0.0	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					376500			MPR	Tune-up Limit	376500			MPR	Tune-up Limit
					1882.5 MHz					1882.5 MHz				
30	DFS-s OFDM	PI/2 BPSK	1	1	22.76			0.0	23.20	19.13			0.0	20.00
			1	79	22.77			0.0	23.20	18.92			0.0	20.00
			1	158	22.70			0.0	23.20	19.19			0.0	20.00
			80	40	22.60			0.0	23.20	19.01			0.0	20.00
			160	0	22.70			0.5	22.70	19.09			0.0	20.00
		QPSK	1	1	22.71			0.0	23.20	19.30			0.0	20.00
			1	79	22.76			0.0	23.20	19.09			0.0	20.00
			1	158	22.96			0.0	23.20	19.06			0.0	20.00
			80	40	22.60			0.0	23.20	19.00			0.0	20.00
			160	0	22.20			1.0	22.20	19.13			0.0	20.00
		16QAM	1	1	22.12			1.0	22.20	19.05			0.0	20.00
		64QAM	1	1	20.53			2.5	20.70	18.90			0.0	20.00
		256QAM	1	1	18.41			4.5	18.70	18.02			1.3	18.70
	CP-OFDM	QPSK	1	1	21.01			1.5	21.70	19.00			0.0	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					376500			MPR	Tune-up Limit	376500			MPR	Tune-up Limit
					1882.5 MHz					1882.5 MHz				
25	DFS-s OFDM	PI/2 BPSK	1	1	22.71			0.0	23.20	19.05			0.0	20.00
			1	66	22.62			0.0	23.20	19.00			0.0	20.00
			1	131	22.86			0.0	23.20	19.24			0.0	20.00
			64	32	22.62			0.0	23.20	19.03			0.0	20.00
			128	0	22.70			0.5	22.70	18.98			0.0	20.00
		QPSK	1	1	22.75			0.0	23.20	19.06			0.0	20.00
			1	66	22.64			0.0	23.20	19.13			0.0	20.00
			1	131	22.89			0.0	23.20	19.29			0.0	20.00
			64	32	22.69			0.0	23.20	19.00			0.0	20.00
			128	0	22.19			1.0	22.20	19.00			0.0	20.00
		16QAM	1	1	22.07			1.0	22.20	19.05			0.0	20.00
		64QAM	1	1	20.52			2.5	20.70	18.93			0.0	20.00
		256QAM	1	1	18.70			4.5	18.70	18.04			1.3	18.70
	CP-OFDM	QPSK	1	1	21.10			1.5	21.70	19.03			0.0	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					372000	376500	381000	MPR	Tune-up Limit	372000	376500	381000	MPR	Tune-up Limit
					1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	23.54	23.65	23.70	0.0	24.00	19.08	19.06	19.00	0.0	20.00
			1	53	23.26	23.27	23.38	0.0	24.00	19.06	19.13	19.04	0.0	20.00
			1	104	23.21	23.31	23.37	0.0	24.00	19.02	19.04	19.00	0.0	20.00
			50	28	23.20	23.27	23.25	0.0	24.00	19.07	19.00	19.05	0.0	20.00
			100	0	23.38	23.46	23.44	0.0	24.00	19.13	19.29	19.00	0.0	20.00
		QPSK	1	1	23.31	23.38	23.40	0.0	24.00	19.09	19.06	19.03	0.0	20.00
			1	53	23.30	23.50	23.40	0.0	24.00	19.09	19.00	19.02	0.0	20.00
			1	104	23.32	23.45	23.41	0.0	24.00	19.05	19.01	19.03	0.0	20.00
			50	28	23.31	23.33	23.31	0.0	24.00	19.00	19.30	19.30	0.0	20.00
			100	0	23.20	23.20	23.18	0.0	24.00	19.12	19.03	19.15	0.0	20.00
		16QAM	1	1	22.77	22.62	22.85	0.0	24.00	18.99	18.98	19.02	0.0	20.00
		64QAM	1	1	21.49	21.66	21.69	1.3	22.70	18.90	18.96	19.02	0.0	20.00
		256QAM	1	1	19.55	19.60	19.66	3.3	20.70	18.90	18.97	18.97	0.0	20.00
	CP-OFDM	QPSK	1	1	22.69	22.70	22.68	0.3	23.70	19.00	18.99	18.98	0.0	20.00

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NR Band 25 Measured Results (ANT3) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371500	376500	381500	MPR	Tune-up Limit	371500	376500	381500	MPR	Tune-up Limit
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15	DFS-s OFDM	PI/2 BPSK	1	1	23.40	23.44	23.41	0.0	24.00	19.19	19.28	19.22	0.0	20.00
			1	39	23.42	23.46	23.49	0.0	24.00	19.23	19.22	19.23	0.0	20.00
			1	77	23.46	23.43	23.46	0.0	24.00	19.21	19.26	19.26	0.0	20.00
			36	18	23.48	23.49	23.47	0.0	24.00	19.18	19.24	19.24	0.0	20.00
			75	0	23.00	23.45	23.33	0.0	24.00	19.23	19.21	19.18	0.0	20.00
		QPSK	1	1	23.44	23.40	23.42	0.0	24.00	19.27	19.20	19.27	0.0	20.00
			1	39	23.46	23.43	23.45	0.0	24.00	19.25	19.25	19.25	0.0	20.00
			1	77	23.48	23.45	23.47	0.0	24.00	19.12	19.21	19.19	0.0	20.00
			36	18	23.45	23.47	23.49	0.0	24.00	19.23	19.27	19.21	0.0	20.00
			75	0	23.14	23.17	23.15	0.0	24.00	19.20	19.25	19.21	0.0	20.00
		16QAM	1	1	22.70	22.62	23.00	0.0	24.00	18.94	18.98	18.98	0.0	20.00
		64QAM	1	1	21.70	21.54	21.62	1.3	22.70	18.90	18.95	18.96	0.0	20.00
		256QAM	1	1	19.33	19.61	19.65	3.3	20.70	18.88	18.92	18.93	0.0	20.00
	CP-OFDM	QPSK	1	1	22.65	22.68	22.56	0.3	23.70	18.94	18.95	18.98	0.0	20.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371000	376500	382000	MPR	Tune-up Limit	371000	376500	382000	MPR	Tune-up Limit
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	23.42	23.48	23.43	0.0	24.00	19.17	19.16	19.14	0.0	20.00
			1	25	23.44	23.44	23.49	0.0	24.00	19.13	19.14	19.15	0.0	20.00
			1	50	23.49	23.47	23.47	0.0	24.00	19.12	19.19	19.13	0.0	20.00
			25	12	23.46	23.45	23.48	0.0	24.00	19.13	19.13	19.12	0.0	20.00
			50	0	23.41	23.49	23.46	0.0	24.00	19.13	19.16	19.14	0.0	20.00
		QPSK	1	1	23.47	23.40	23.46	0.0	24.00	19.15	19.17	19.16	0.0	20.00
			1	25	23.45	23.48	23.47	0.0	24.00	19.19	19.11	19.10	0.0	20.00
			1	50	23.49	23.43	23.42	0.0	24.00	19.14	19.15	19.15	0.0	20.00
			25	12	23.46	23.49	23.45	0.0	24.00	19.15	19.13	19.14	0.0	20.00
			50	0	23.20	23.20	23.19	0.0	24.00	18.99	18.96	18.90	0.0	20.00
		16QAM	1	1	22.88	22.67	22.84	0.0	24.00	18.89	18.88	18.90	0.0	20.00
		64QAM	1	1	21.65	21.64	21.62	1.3	22.70	18.80	18.85	18.92	0.0	20.00
		256QAM	1	1	19.64	19.66	19.56	3.3	20.70	18.90	18.95	18.91	0.0	20.00
	CP-OFDM	QPSK	1	1	22.68	22.67	22.58	0.3	23.70	18.92	18.94	18.91	0.0	20.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					370500	376500	382500	MPR	Tune-up Limit	370500	376500	382500	MPR	Tune-up Limit
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	23.42	23.49	23.46	0.0	24.00	19.13	19.12	19.12	0.0	20.00
			1	12	23.45	23.45	23.42	0.0	24.00	19.11	19.09	19.15	0.0	20.00
			1	23	23.44	23.47	23.46	0.0	24.00	19.15	19.13	19.13	0.0	20.00
			12	6	23.48	23.49	23.45	0.0	24.00	19.13	19.11	19.11	0.0	20.00
			25	0	23.47	23.46	23.46	0.0	24.00	19.15	19.19	19.14	0.0	20.00
		QPSK	1	1	23.47	23.46	23.46	0.0	24.00	19.16	19.09	19.13	0.0	20.00
			1	12	23.48	23.44	23.42	0.0	24.00	19.11	19.11	19.14	0.0	20.00
			1	23	23.49	23.47	23.46	0.0	24.00	19.15	19.17	19.17	0.0	20.00
			12	6	23.46	23.49	23.45	0.0	24.00	19.16	19.16	19.15	0.0	20.00
			25	0	23.20	23.19	23.16	0.0	24.00	19.13	19.11	19.14	0.0	20.00
		16QAM	1	1	22.85	22.95	23.10	0.0	24.00	18.90	18.90	18.90	0.0	20.00
		64QAM	1	1	21.47	21.56	21.70	1.3	22.70	18.83	18.87	18.92	0.0	20.00
		256QAM	1	1	19.62	19.63	19.67	3.3	20.70	19.03	19.15	18.93	0.0	20.00
	CP-OFDM	QPSK	1	1	22.69	22.66	22.60	0.3	23.70	18.92	18.94	18.91	0.0	20.00

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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)				
					376500			MPR	Tune-up Limit	376500			MPR	Tune-up Limit
					1882.5 MHz					1882.5 MHz				
40	DFS-s OFDM	PI/2 BPSK	1	1	18.26			0.0	18.50	19.48			0.0	19.80
			1	107	18.04			0.0	18.50	19.34			0.0	19.80
			1	214	18.26			0.0	18.50	19.42			0.0	19.80
			108	54	18.04			0.0	18.50	19.27			0.0	19.80
			216	0	17.98			0.0	18.50	19.38			0.0	19.80
		QPSK	1	1	18.19			0.0	18.50	19.38			0.0	19.80
			1	107	18.30			0.0	18.50	19.49			0.0	19.80
			1	214	18.13			0.0	18.50	19.41			0.0	19.80
			108	54	18.21			0.0	18.50	19.50			0.0	19.80
			216	0	18.25			0.0	18.50	19.45			0.0	19.80
		16QAM	1	1	18.21			0.0	18.50	19.46			0.0	19.80
		64QAM	1	1	18.22			0.0	18.50	18.78			0.6	19.20
		256QAM	1	1	16.92			1.3	17.20	16.83			2.6	17.20
	CP-OFDM	QPSK	1	1	18.25			0.0	18.50	19.37			0.0	19.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					376500			MPR	Tune-up Limit	376500			MPR	Tune-up Limit
					1882.5 MHz					1882.5 MHz				
30	DFS-s OFDM	PI/2 BPSK	1	1	18.05			0.0	18.50	19.36			0.0	19.80
			1	79	18.05			0.0	18.50	19.47			0.0	19.80
			1	158	18.16			0.0	18.50	19.43			0.0	19.80
			80	40	18.01			0.0	18.50	19.47			0.0	19.80
			160	0	18.06			0.0	18.50	19.45			0.0	19.80
		QPSK	1	1	18.30			0.0	18.50	19.49			0.0	19.80
			1	79	18.08			0.0	18.50	19.45			0.0	19.80
			1	158	18.01			0.0	18.50	19.42			0.0	19.80
			80	40	18.08			0.0	18.50	19.46			0.0	19.80
			160	0	18.25			0.0	18.50	19.36			0.0	19.80
		16QAM	1	1	18.22			0.0	18.50	19.40			0.0	19.80
		64QAM	1	1	18.12			0.0	18.50	18.83			0.6	19.20
		256QAM	1	1	16.92			1.3	17.20	16.73			2.6	17.20
	CP-OFDM	QPSK	1	1	18.16			0.0	18.50	19.39			0.0	19.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					376500			MPR	Tune-up Limit	376500			MPR	Tune-up Limit
					1882.5 MHz					1882.5 MHz				
25	DFS-s OFDM	PI/2 BPSK	1	1	18.27			0.0	18.50	19.48			0.0	19.80
			1	66	18.22			0.0	18.50	19.47			0.0	19.80
			1	131	18.25			0.0	18.50	19.49			0.0	19.80
			64	32	18.17			0.0	18.50	19.29			0.0	19.80
			128	0	18.22			0.0	18.50	19.35			0.0	19.80
		QPSK	1	1	18.15			0.0	18.50	19.34			0.0	19.80
			1	66	18.23			0.0	18.50	19.42			0.0	19.80
			1	131	18.26			0.0	18.50	19.44			0.0	19.80
			64	32	18.20			0.0	18.50	19.37			0.0	19.80
			128	0	18.16			0.0	18.50	19.46			0.0	19.80
		16QAM	1	1	18.23			0.0	18.50	19.22			0.0	19.80
		64QAM	1	1	18.12			0.0	18.50	18.62			0.6	19.20
		256QAM	1	1	16.94			1.3	17.20	16.84			2.6	17.20
	CP-OFDM	QPSK	1	1	18.14			0.0	18.50	19.48			0.0	19.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					372000	376500	381000	MPR	Tune-up Limit	372000	376500	381000	MPR	Tune-up Limit
					1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	18.09	18.27	18.30	0.0	18.50	19.44	19.47	19.45	0.0	19.80
			1	53	18.23	18.17	18.29	0.0	18.50	19.41	19.48	19.46	0.0	19.80
			1	104	18.15	18.12	18.23	0.0	18.50	19.43	19.32	19.35	0.0	19.80
			50	28	18.08	18.18	18.23	0.0	18.50	19.46	19.33	19.38	0.0	19.80
			100	0	18.09	18.12	18.30	0.0	18.50	19.45	19.32	19.34	0.0	19.80
		QPSK	1	1	18.19	18.21	18.30	0.0	18.50	19.44	19.41	19.38	0.0	19.80
			1	53	18.13	18.30	18.31	0.0	18.50	19.38	19.45	19.40	0.0	19.80
			1	104	18.24	18.22	18.28	0.0	18.50	19.48	19.33	19.32	0.0	19.80
			50	28	18.13	18.11	18.23	0.0	18.50	19.42	19.50	19.50	0.0	19.80
			100	0	18.13	18.24	18.26	0.0	18.50	19.48	19.32	19.33	0.0	19.80
		16QAM	1	1	17.93	17.95	18.02	0.0	18.50	19.47	19.41	19.49	0.0	19.80
		64QAM	1	1	17.88	17.84	18.10	0.0	18.50	19.36	19.21	19.27	0.0	19.80
		256QAM	1	1	17.79	17.75	17.98	0.0	18.50	18.57	18.53	18.51	0.6	19.20
	CP-OFDM	QPSK	1	1	17.83	17.81	18.04	0.0	18.50	19.42	19.35	19.39	0.0	19.80

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NR Band 25 Measured Results (ANT4) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371500	376500	381500	MPR	Tune-up Limit	371500	376500	381500	MPR	Tune-up Limit
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15	DFS-s OFDM	PI/2 BPSK	1	1	18.07	17.95	18.27	0.0	18.50	19.30	19.33	19.36	0.0	19.80
			1	39	18.11	18.28	17.98	0.0	18.50	18.90	19.21	19.32	0.0	19.80
			1	77	18.08	18.19	18.06	0.0	18.50	19.28	19.43	19.43	0.0	19.80
			36	18	18.15	17.98	17.84	0.0	18.50	19.34	19.48	19.41	0.0	19.80
			75	0	18.19	18.06	17.93	0.0	18.50	19.31	19.24	19.50	0.0	19.80
		QPSK	1	1	17.97	18.07	18.10	0.0	18.50	19.13	19.24	19.42	0.0	19.80
			1	39	18.20	18.22	17.93	0.0	18.50	19.24	19.33	19.36	0.0	19.80
			1	77	17.91	18.05	18.05	0.0	18.50	19.16	19.35	19.24	0.0	19.80
			36	18	18.11	18.05	17.92	0.0	18.50	19.44	19.45	19.27	0.0	19.80
			75	0	18.18	18.13	18.06	0.0	18.50	19.36	19.43	19.21	0.0	19.80
		16QAM	1	1	17.97	17.98	18.01	0.0	18.50	19.37	19.42	19.44	0.0	19.80
		64QAM	1	1	17.86	17.89	17.92	0.0	18.50	19.41	19.48	19.36	0.0	19.80
		256QAM	1	1	18.01	17.94	18.04	0.0	18.50	18.56	18.72	18.83	0.6	19.20
	CP-OFDM	QPSK	1	1	18.08	18.03	17.99	0.0	18.50	19.47	19.35	19.26	0.0	19.80
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					371000	376500	382000	MPR	Tune-up Limit	371000	376500	382000	MPR	Tune-up Limit
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	18.00	17.86	18.25	0.0	18.50	19.43	19.44	19.47	0.0	19.80
			1	25	18.23	17.87	18.23	0.0	18.50	19.45	19.50	19.45	0.0	19.80
			1	50	17.94	17.92	18.30	0.0	18.50	19.31	19.47	19.48	0.0	19.80
			25	12	18.05	17.93	18.25	0.0	18.50	19.43	19.48	19.45	0.0	19.80
			50	0	18.09	17.94	18.25	0.0	18.50	19.46	19.32	19.41	0.0	19.80
		QPSK	1	1	17.93	17.95	18.03	0.0	18.50	19.47	19.28	19.46	0.0	19.80
			1	25	18.21	18.30	18.29	0.0	18.50	19.50	19.38	19.42	0.0	19.80
			1	50	18.28	18.13	18.00	0.0	18.50	19.42	19.44	19.41	0.0	19.80
			25	12	18.08	17.87	18.08	0.0	18.50	19.42	19.43	19.43	0.0	19.80
			50	0	18.10	17.95	18.06	0.0	18.50	19.50	19.44	19.43	0.0	19.80
		16QAM	1	1	18.08	18.08	18.10	0.0	18.50	19.47	19.37	19.37	0.0	19.80
		64QAM	1	1	18.06	18.10	18.01	0.0	18.50	19.31	19.22	19.23	0.0	19.80
		256QAM	1	1	17.91	17.99	18.04	0.0	18.50	18.41	18.54	18.59	0.6	19.20
	CP-OFDM	QPSK	1	1	17.99	17.88	17.89	0.0	18.50	19.41	19.36	19.26	0.0	19.80
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					370500	376500	382500	MPR	Tune-up Limit	370500	376500	382500	MPR	Tune-up Limit
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	17.98	17.97	17.91	0.0	18.50	19.38	19.36	19.36	0.0	19.80
			1	12	18.09	18.07	18.04	0.0	18.50	19.37	19.44	19.39	0.0	19.80
			1	23	17.98	17.93	17.86	0.0	18.50	19.48	19.49	19.50	0.0	19.80
			12	6	17.95	17.85	17.86	0.0	18.50	19.47	19.42	19.46	0.0	19.80
			25	0	17.93	17.81	17.85	0.0	18.50	19.47	19.27	19.50	0.0	19.80
		QPSK	1	1	17.88	17.78	17.98	0.0	18.50	19.37	19.31	19.29	0.0	19.80
			1	12	17.91	17.86	18.05	0.0	18.50	19.46	19.41	19.29	0.0	19.80
			1	23	18.20	17.99	17.83	0.0	18.50	19.47	19.46	19.42	0.0	19.80
			12	6	18.05	17.76	17.82	0.0	18.50	19.50	19.49	19.47	0.0	19.80
			25	0	17.93	17.82	17.76	0.0	18.50	19.45	19.49	19.46	0.0	19.80
		16QAM	1	1	18.07	18.10	18.04	0.0	18.50	19.30	19.47	19.46	0.0	19.80
		64QAM	1	1	18.19	18.26	18.25	0.0	18.50	19.16	19.38	19.39	0.0	19.80
		256QAM	1	1	18.01	18.02	18.09	0.0	18.50	18.41	18.42	18.49	0.6	19.20
	CP-OFDM	QPSK	1	1	18.06	18.11	18.16	0.0	18.50	19.33	19.44	19.47	0.0	19.80

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NR Band 30 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 462000 / 2310 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 462000 / 2310 MHz	MPR	Tune-up Limit
10	DFS-s OFDM	π/2 BPSK	1	1	24.47	0.0	25.50	20.05	0.0	20.20
			1	25	24.38	0.0	25.50	20.07	0.0	20.20
			1	50	24.56	0.0	25.50	20.07	0.0	20.20
			25	12	24.48	0.0	25.50	20.00	0.0	20.20
			50	0	24.02	0.3	25.20	20.10	0.0	20.20
		QPSK	1	1	24.60	0.0	25.50	20.16	0.0	20.20
			1	25	24.62	0.0	25.50	20.20	0.0	20.20
			1	50	24.53	0.0	25.50	20.10	0.0	20.20
			25	12	24.44	0.0	25.50	20.18	0.0	20.20
			50	0	23.60	0.8	24.70	20.12	0.0	20.20
		16QAM	1	1	23.57	0.8	24.70	20.13	0.0	20.20
		64QAM	1	1	22.04	2.3	23.20	20.01	0.0	20.20
		256QAM	1	1	20.07	4.3	21.20	19.89	0.0	20.20
	CP-OFDM	QPSK	1	1	22.78	1.3	24.20	19.96	0.0	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 462000 / 2310 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 462000 / 2310 MHz	MPR	Tune-up Limit
5	DFS-s OFDM	π/2 BPSK	1	1	24.43	0.0	25.50	20.17	0.0	20.20
			1	12	24.55	0.0	25.50	20.15	0.0	20.20
			1	23	24.48	0.0	25.50	20.11	0.0	20.20
			12	6	24.31	0.0	25.50	20.17	0.0	20.20
			25	0	24.10	0.3	25.20	20.17	0.0	20.20
		QPSK	1	1	24.21	0.0	25.50	20.13	0.0	20.20
			1	12	24.52	0.0	25.50	20.15	0.0	20.20
			1	23	24.45	0.0	25.50	20.16	0.0	20.20
			12	6	24.49	0.0	25.50	20.18	0.0	20.20
			25	0	23.55	0.8	24.70	20.19	0.0	20.20
		16QAM	1	1	23.59	0.8	24.70	20.16	0.0	20.20
		64QAM	1	1	21.93	2.3	23.20	20.03	0.0	20.20
		256QAM	1	1	20.10	4.3	21.20	19.87	0.0	20.20
	CP-OFDM	QPSK	1	1	22.89	1.3	24.20	19.97	0.0	20.20

NR Band 30 Measured Results (ANT2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 462000 / 2310 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 462000 / 2310 MHz	MPR	Tune-up Limit
10	DFS-s OFDM	π/2 BPSK	1	1	18.52	0.0	19.00	19.89	0.0	20.30
			1	25	18.59	0.0	19.00	19.97	0.0	20.30
			1	50	18.63	0.0	19.00	19.97	0.0	20.30
			25	12	18.49	0.0	19.00	19.91	0.0	20.30
			50	0	18.66	0.0	19.00	19.80	0.0	20.30
		QPSK	1	1	18.54	0.0	19.00	20.07	0.0	20.30
			1	25	18.60	0.0	19.00	20.02	0.0	20.30
			1	50	18.63	0.0	19.00	20.00	0.0	20.30
			25	12	18.70	0.0	19.00	20.02	0.0	20.30
			50	0	18.63	0.0	19.00	19.79	0.0	20.30
		16QAM	1	1	18.51	0.0	19.00	19.97	0.0	20.30
		64QAM	1	1	18.67	0.0	19.00	19.87	0.0	20.30
		256QAM	1	1	18.56	0.3	18.70	18.56	1.6	18.70
		QPSK	1	1	18.66	0.0	19.00	20.15	0.0	20.30

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 462000 / 2310 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 462000 / 2310 MHz	MPR	Tune-up Limit
5	DFS-s OFDM	π/2 BPSK	1	1	18.25	0.0	19.00	20.01	0.0	20.30
			1	12	18.35	0.0	19.00	19.96	0.0	20.30
			1	23	18.55	0.0	19.00	19.96	0.0	20.30
			12	6	18.30	0.0	19.00	19.99	0.0	20.30
			25	0	18.33	0.0	19.00	20.00	0.0	20.30
		QPSK	1	1	18.43	0.0	19.00	19.95	0.0	20.30
			1	12	18.51	0.0	19.00	19.95	0.0	20.30
			1	23	18.41	0.0	19.00	19.99	0.0	20.30
			12	6	18.37	0.0	19.00	19.99	0.0	20.30
			25	0	18.33	0.0	19.00	20.00	0.0	20.30
		16QAM	1	1	18.25	0.0	19.00	19.95	0.0	20.30
		64QAM	1	1	18.18	0.0	19.00	19.85	0.0	20.30
		256QAM	1	1	18.06	0.3	18.70	18.46	1.6	18.70
		QPSK	1	1	18.30	0.0	19.00	19.78	0.0	20.30

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NR Band 30 Measured Results (ANT3)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					462000	MPR	Tune-up Limit	462000	MPR	Tune-up Limit
					2310 MHz			2310 MHz		
10	DFS-s OFDM	π/2 BPSK	1	1	22.06	0.0	22.30	17.92	0.0	18.50
			1	25	22.08	0.0	22.30	17.75	0.0	18.50
			1	50	22.00	0.0	22.30	17.69	0.0	18.50
			25	12	21.98	0.0	22.30	17.90	0.0	18.50
			50	0	21.48	0.5	21.80	17.99	0.0	18.50
		QPSK	1	1	21.88	0.0	22.30	17.88	0.0	18.50
			1	25	22.10	0.0	22.30	18.00	0.0	18.50
			1	50	21.96	0.0	22.30	17.69	0.0	18.50
			25	12	21.99	0.0	22.30	18.00	0.0	18.50
			50	0	21.30	1.0	21.30	17.91	0.0	18.50
		16QAM	1	1	21.30	1.0	21.30	17.86	0.0	18.50
		64QAM	1	1	19.73	2.5	19.80	17.85	0.0	18.50
		256QAM	1	1	17.76	4.5	17.80	17.80	0.7	17.80
		QPSK	1	1	20.76	1.5	20.80	17.87	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					462000	MPR	Tune-up Limit	462000	MPR	Tune-up Limit
					2310 MHz			2310 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	22.04	0.0	22.30	18.00	0.0	18.50
			1	12	21.96	0.0	22.30	17.67	0.0	18.50
			1	23	21.85	0.0	22.30	17.56	0.0	18.50
			12	6	21.95	0.0	22.30	17.69	0.0	18.50
			25	0	21.40	0.5	21.80	17.79	0.0	18.50
		QPSK	1	1	22.00	0.0	22.30	18.00	0.0	18.50
			1	12	21.98	0.0	22.30	17.65	0.0	18.50
			1	23	22.00	0.0	22.30	17.57	0.0	18.50
			12	6	21.99	0.0	22.30	17.69	0.0	18.50
			25	0	21.05	1.0	21.30	17.83	0.0	18.50
		16QAM	1	1	21.09	1.0	21.30	17.84	0.0	18.50
		64QAM	1	1	19.56	2.5	19.80	17.80	0.0	18.50
		256QAM	1	1	17.60	4.5	17.80	17.75	0.7	17.80
		QPSK	1	1	20.56	1.5	20.80	17.85	0.0	18.50

NR Band 30 Measured Results (ANT4)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					462000	MPR	Tune-up Limit	462000	MPR	Tune-up Limit
					2310 MHz			2310 MHz		
10	DFS-s OFDM	π/2 BPSK	1	1	18.00	0.0	18.50	18.86	0.0	19.50
			1	25	18.00	0.0	18.50	18.95	0.0	19.50
			1	50	17.96	0.0	18.50	18.93	0.0	19.50
			25	12	17.91	0.0	18.50	18.74	0.0	19.50
			50	0	17.96	0.0	18.50	18.95	0.0	19.50
		QPSK	1	1	18.00	0.0	18.50	18.87	0.0	19.50
			1	25	18.05	0.0	18.50	18.95	0.0	19.50
			1	50	18.00	0.0	18.50	18.92	0.0	19.50
			25	12	18.10	0.0	18.50	19.00	0.0	19.50
			50	0	17.96	0.0	18.50	18.95	0.0	19.50
		16QAM	1	1	17.88	0.0	18.50	18.93	0.0	19.50
		64QAM	1	1	17.76	0.0	18.50	18.98	0.0	19.50
		256QAM	1	1	17.62	0.0	18.50	18.17	0.8	18.70
		QPSK	1	1	18.00	0.0	18.50	18.82	0.0	19.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					462000	MPR	Tune-up Limit	462000	MPR	Tune-up Limit
					2310 MHz			2310 MHz		
5	DFS-s OFDM	π/2 BPSK	1	1	18.00	0.0	18.50	18.95	0.0	19.50
			1	12	17.98	0.0	18.50	18.76	0.0	19.50
			1	23	18.00	0.0	18.50	18.95	0.0	19.50
			12	6	17.98	0.0	18.50	18.73	0.0	19.50
			25	0	17.74	0.0	18.50	18.87	0.0	19.50
		QPSK	1	1	17.98	0.0	18.50	18.94	0.0	19.50
			1	12	17.71	0.0	18.50	18.93	0.0	19.50
			1	23	17.92	0.0	18.50	18.95	0.0	19.50
			12	6	18.00	0.0	18.50	18.62	0.0	19.50
			25	0	17.88	0.0	18.50	18.95	0.0	19.50
		16QAM	1	1	17.89	0.0	18.50	18.98	0.0	19.50
		64QAM	1	1	17.76	0.0	18.50	18.97	0.0	19.50
		256QAM	1	1	17.66	0.0	18.50	18.13	0.8	18.70
		QPSK	1	1	18.00	0.0	18.50	18.92	0.0	19.50

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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)		
					518600	MPR	Tune-up Limit	518600	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
100	DFS-s OFDM	PI/2 BPSK	1	1	23.00	0.0	23.70	21.17	0.0	22.00
			1	137	22.96	0.0	23.70	21.15	0.0	22.00
			1	271	22.99	0.0	23.70	21.18	0.0	22.00
			135	69	22.90	0.0	23.70	21.09	0.0	22.00
			270	0	22.95	0.0	23.70	20.98	0.0	22.00
		QPSK	1	1	23.00	0.0	23.70	21.18	0.0	22.00
			1	137	23.10	0.0	23.70	21.16	0.0	22.00
			1	271	22.97	0.0	23.70	21.17	0.0	22.00
			135	69	22.95	0.0	23.70	21.21	0.0	22.00
			270	0	22.70	0.0	23.70	21.10	0.0	22.00
		16QAM	1	1	22.65	0.0	23.70	21.27	0.0	22.00
		64QAM	1	1	23.05	0.5	23.20	21.15	0.0	22.00
		256QAM	1	1	21.20	2.5	21.20	20.93	0.8	21.20
	CP-OFDM	QPSK	1	1	22.86	0.0	23.70	21.06	0.0	22.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518600	MPR	Tune-up Limit	518600	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
90	DFS-s OFDM	PI/2 BPSK	1	1	23.02	0.0	23.70	21.12	0.0	22.00
			1	122	22.93	0.0	23.70	21.12	0.0	22.00
			1	243	22.96	0.0	23.70	21.14	0.0	22.00
			120	60	22.95	0.0	23.70	21.06	0.0	22.00
			243	0	22.98	0.0	23.70	21.15	0.0	22.00
		QPSK	1	1	23.10	0.0	23.70	21.29	0.0	22.00
			1	122	22.97	0.0	23.70	21.07	0.0	22.00
			1	243	22.94	0.0	23.70	21.12	0.0	22.00
			120	60	22.91	0.0	23.70	20.98	0.0	22.00
			243	0	22.70	0.0	23.70	21.15	0.0	22.00
		16QAM	1	1	22.51	0.0	23.70	21.32	0.0	22.00
		64QAM	1	1	23.17	0.5	23.20	21.24	0.0	22.00
		256QAM	1	1	21.16	2.5	21.20	21.12	0.8	21.20
	CP-OFDM	QPSK	1	1	22.84	0.0	23.70	21.32	0.0	22.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518600	MPR	Tune-up Limit	518600	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
80	DFS-s OFDM	PI/2 BPSK	1	1	23.44	0.0	23.70	21.10	0.0	22.00
			1	108	22.95	0.0	23.70	21.11	0.0	22.00
			1	215	22.96	0.0	23.70	21.10	0.0	22.00
			108	54	22.98	0.0	23.70	21.07	0.0	22.00
			216	0	22.92	0.0	23.70	21.15	0.0	22.00
		QPSK	1	1	23.09	0.0	23.70	21.26	0.0	22.00
			1	108	22.96	0.0	23.70	21.11	0.0	22.00
			1	215	22.99	0.0	23.70	21.08	0.0	22.00
			108	54	22.94	0.0	23.70	21.00	0.0	22.00
			216	0	22.70	0.0	23.70	21.27	0.0	22.00
		16QAM	1	1	22.59	0.0	23.70	21.34	0.0	22.00
		64QAM	1	1	23.06	0.5	23.20	21.22	0.0	22.00
		256QAM	1	1	21.16	2.5	21.20	21.04	0.8	21.20
	CP-OFDM	QPSK	1	1	22.97	0.0	23.70	21.17	0.0	22.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518600	MPR	Tune-up Limit	518600	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
60	DFS-s OFDM	PI/2 BPSK	1	1	23.24	0.0	23.70	21.15	0.0	22.00
			1	80	23.38	0.0	23.70	21.15	0.0	22.00
			1	160	22.97	0.0	23.70	21.10	0.0	22.00
			81	40	22.95	0.0	23.70	21.15	0.0	22.00
			162	0	22.98	0.0	23.70	21.16	0.0	22.00
		QPSK	1	1	23.44	0.0	23.70	21.26	0.0	22.00
			1	80	23.35	0.0	23.70	21.15	0.0	22.00
			1	160	22.94	0.0	23.70	21.10	0.0	22.00
			81	40	22.97	0.0	23.70	21.14	0.0	22.00
			162	0	22.70	0.0	23.70	21.13	0.0	22.00
		16QAM	1	1	22.64	0.0	23.70	21.10	0.0	22.00
		64QAM	1	1	23.20	0.5	23.20	21.05	0.0	22.00
		256QAM	1	1	20.99	2.5	21.20	21.13	0.8	21.20
	CP-OFDM	QPSK	1	1	22.88	0.0	23.70	21.17	0.0	22.00

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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)						
							518600			MPR	Tune-up Limit			518600			MPR	Tune-up Limit
							2593.00 MHz							2593.00 MHz				
50	DFS-s OFDM	PI/2 BPSK	1	1			23.36			0.0	23.70			21.15			0.0	22.00
			1	66			23.23			0.0	23.70			21.15			0.0	22.00
			1	131			22.96			0.0	23.70			21.10			0.0	22.00
			64	32			22.97			0.0	23.70			21.10			0.0	22.00
			128	0			22.96			0.0	23.70			21.17			0.0	22.00
		QPSK	1	1			23.32			0.0	23.70			21.10			0.0	22.00
			1	66			23.05			0.0	23.70			21.18			0.0	22.00
			1	131			22.94			0.0	23.70			21.10			0.0	22.00
			64	32			22.98			0.0	23.70			21.15			0.0	22.00
			128	0			22.70			0.0	23.70			21.15			0.0	22.00
		16QAM	1	1			22.63			0.0	23.70			21.00			0.0	22.00
		64QAM	1	1			23.16			0.5	23.20			21.10			0.0	22.00
		256QAM	1	1			21.07			2.5	21.20			21.14			0.8	21.20
	CP-OFDM	QPSK	1	1			22.86			0.0	23.70			21.19			0.0	22.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					503196	510900	518600	526296	533994			503196	510900	518600	526296	533994		
					2515.98 MHz	2554.5 MHz	2593.00 MHz	2631.48 MHz	2669.97 MHz			2515.98 MHz	2554.5 MHz	2593.00 MHz	2631.48 MHz	2669.97 MHz		
40	DFS-s OFDM	PI/2 BPSK	1	1	23.47	22.92	22.99	22.96	22.98	0.0	23.70	21.14	21.17	21.19	21.14	21.17	0.0	22.00
			1	52	22.96	22.90	22.95	22.97	22.95	0.0	23.70	21.17	21.19	21.14	21.11	21.10	0.0	22.00
			1	104	22.99	22.97	22.92	22.93	22.97	0.0	23.70	21.16	21.17	21.15	21.19	21.19	0.0	22.00
			50	25	22.95	22.96	22.97	22.98	22.96	0.0	23.70	21.15	21.11	21.13	21.16	21.13	0.0	22.00
			100	0	22.98	22.95	22.97	22.97	22.97	0.0	23.70	21.15	21.22	21.15	21.16	21.26	0.0	22.00
		QPSK	1	1	23.44	22.95	22.98	22.97	22.93	0.0	23.70	21.13	21.16	21.17	21.13	21.18	0.0	22.00
			1	52	22.96	22.98	22.95	22.94	22.97	0.0	23.70	21.11	21.13	21.16	21.16	21.15	0.0	22.00
			1	104	22.91	22.99	22.97	22.92	22.97	0.0	23.70	21.18	21.17	21.14	21.15	21.16	0.0	22.00
			50	25	23.12	22.97	22.97	22.97	22.90	0.0	23.70	21.14	21.14	21.11	21.17	21.11	0.0	22.00
			100	0	22.70	22.70	22.70	22.70	22.70	0.0	23.70	21.29	21.07	21.12	20.98	21.15	0.0	22.00
		16QAM	1	1	22.68	22.38	22.54	22.48	22.62	0.0	23.70	21.17	21.14	21.11	21.07	21.03	0.0	22.00
		64QAM	1	1	23.14	23.01	23.16	23.05	22.92	0.5	23.20	21.03	21.07	21.02	20.99	20.93	0.0	22.00
		256QAM	1	1	20.96	20.99	21.02	20.84	20.91	2.5	21.20	20.92	20.96	20.86	20.82	20.84	0.8	21.20
	CP-OFDM	QPSK	1	1	22.96	22.75	22.84	23.01	22.74	0.0	23.70	20.99	21.00	20.95	20.90	20.93	0.0	22.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					502200	510396	518600	526800	534996			502200	510396	518600	526800	534996		
					2511 MHz	2551.98 MHz	2593.00 MHz	2634 MHz	2674.98 MHz			2511 MHz	2551.98 MHz	2593.00 MHz	2634 MHz	2674.98 MHz		
30	DFS-s OFDM	PI/2 BPSK	1	1	23.17	22.99	22.99	22.94	22.99	0.0	23.70	21.16	21.18	21.19	21.16	21.18	0.0	22.00
			1	38	22.90	22.96	22.97	22.92	22.95	0.0	23.70	21.15	21.12	21.13	21.15	21.14	0.0	22.00
			1	76	22.99	22.91	22.95	22.95	22.97	0.0	23.70	21.18	21.16	21.16	21.19	21.16	0.0	22.00
			36	18	22.94	22.98	22.92	22.98	22.96	0.0	23.70	21.17	21.14	21.14	21.17	21.14	0.0	22.00
			75	0	22.95	22.91	22.93	22.96	22.99	0.0	23.70	21.27	21.12	21.14	21.06	21.15	0.0	22.00
		QPSK	1	1	23.45	22.91	22.98	22.96	22.97	0.0	23.70	21.16	21.13	21.18	21.15	21.17	0.0	22.00
			1	38	22.93	22.96	22.93	22.95	22.93	0.0	23.70	21.13	21.16	21.16	21.13	21.15	0.0	22.00
			1	76	22.99	22.90	22.99	22.99	22.97	0.0	23.70	21.19	21.18	21.13	21.18	21.16	0.0	22.00
			36	18	22.94	22.96	22.95	22.97	22.98	0.0	23.70	21.12	21.10	21.17	21.17	21.13	0.0	22.00
			75	0	22.70	22.70	22.70	22.70	22.70	0.0	23.70	21.18	21.20	20.98	21.18	21.16	0.0	22.00
		16QAM	1	1	22.59	22.61	22.56	22.51	22.61	0.0	23.70	21.15	21.13	21.09	21.02	20.97	0.0	22.00
		64QAM	1	1	23.12	23.14	23.11	23.14	23.11	0.5	23.20	21.07	21.06	21.02	20.92	20.89	0.0	22.00
		256QAM	1	1	21.19	21.18	21.06	21.16	21.20	2.5	21.20	20.86	20.89	20.92	20.76	20.66	0.8	21.20
	CP-OFDM	QPSK	1	1	22.96	22.79	22.95	22.98	22.92	0.0	23.70	20.94	20.96	20.95	20.80	20.75	0.0	22.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					501198	509898	518600	527298	535998			501198	509898	518600	527298	535998		
					2505.99 MHz	2549.49 MHz	2593.00 MHz	2636.49 MHz	2679.99 MHz			2505.99 MHz	2549.49 MHz	2593.00 MHz	2636.49 MHz	2679.99 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	23.14	22.98	22.99	22.97	22.96	0.0	23.70	21.17	21.17	21.19	21.16	21.19	0.0	22.00
			1	25	22.92	22.99	22.94	22.92	22.94	0.0	23.70	21.15	21.15	21.16	21.17	21.16	0.0	22.00
			1	49	22.95	22.97	22.98	22.96	22.97	0.0	23.70	21.16	21.19	21.19	21.19	21.13	0.0	22.00
			25	12	22.91	22.91	22.96	22.94	22.91	0.0	23.70	21.12	21.13	21.13	21.14	21.16	0.0	22.00
			50	0	22.99	22.97	22.93	22.97	22.98	0.0	23.70	21.19	21.14	21.15	21.13	21.15	0.0	22.00
		QPSK	1	1	23.30	22.95	22.99	22.96	22.99	0.0	23.70	21.16	21.16	21.18	21.15	21.16	0.0	22.00
			1	25	22.93	22.91	22.98	22.95	22.95	0.0	23.70	21.14	21.15	21.16	21.14	21.17	0.0	22.00
			1	49	22.96	22.93	22.97	22.98	22.97	0.0	23.70	21.17	21.19	21.14	21.16	21.14	0.0	22.00
			25	12	22.96	22.96	22.95	22.93	22.92	0.0	23.70	21.12	21.11	21.11	21.14	21.12	0.0	22.00
			50	0	22.70	22.70	22.70	22.70	22.70	0.0	23.70	21.16	21.15	21.19	21.17	21.06	0.0	22.00
		16QAM	1	1	22.67	22.61	22.56	22.52	22.48	0.0	23.70	21.19	21.13	21.06	21.01	20.98	0.0	22.00
		64QAM	1	1	23.14	23.07	23.03	22.92	22.86	0.5	23.20	21.13	21.09	21.06	21.01	20.96	0.0	22.00
		256QAM	1	1	21.06	21.01	20.95	20.86	20.77	2.5	21.20	20.80	20.95	20.92	20.86	20.77	0.8	21.20
	CP-OFDM	QPSK	1	1	22.89	22.82	22.76	22.72	22.62	0.0	23.70	20.96	20.93	20.89	20.83	20.95	0.0	22.00

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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)		
					518600	MPR	Tune-up Limit	518600	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
100	DFS-s OFDM	PI/2 BPSK	1	1	18.17	0.0	18.50	18.17	0.0	18.50
			1	137	18.07	0.0	18.50	18.07	0.0	18.50
			1	271	17.83	0.0	18.50	17.83	0.0	18.50
			135	69	17.94	0.0	18.50	17.94	0.0	18.50
			270	0	17.73	0.0	18.50	17.73	0.0	18.50
		QPSK	1	1	18.09	0.0	18.50	18.09	0.0	18.50
			1	137	18.21	0.0	18.50	18.21	0.0	18.50
			1	271	17.85	0.0	18.50	17.85	0.0	18.50
			135	69	18.21	0.0	18.50	18.21	0.0	18.50
			270	0	17.07	0.0	18.50	17.07	0.0	18.50
		16QAM	1	1	17.32	0.0	18.50	17.32	0.0	18.50
		64QAM	1	1	17.86	0.0	18.50	17.86	0.0	18.50
		256QAM	1	1	17.79	0.0	18.50	17.79	0.0	18.50
	CP-OFDM	QPSK	1	1	18.01	0.0	18.50	18.01	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518600	MPR	Tune-up Limit	518600	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
90	DFS-s OFDM	PI/2 BPSK	1	1	18.10	0.0	18.50	18.10	0.0	18.50
			1	122	17.91	0.0	18.50	17.91	0.0	18.50
			1	243	17.73	0.0	18.50	17.73	0.0	18.50
			120	60	18.00	0.0	18.50	18.00	0.0	18.50
			243	0	18.20	0.0	18.50	18.20	0.0	18.50
		QPSK	1	1	18.32	0.0	18.50	18.32	0.0	18.50
			1	122	18.04	0.0	18.50	18.04	0.0	18.50
			1	243	17.78	0.0	18.50	17.78	0.0	18.50
			120	60	17.95	0.0	18.50	17.95	0.0	18.50
			243	0	17.62	0.0	18.50	17.62	0.0	18.50
		16QAM	1	1	17.34	0.0	18.50	17.34	0.0	18.50
		64QAM	1	1	17.69	0.0	18.50	17.69	0.0	18.50
		256QAM	1	1	17.68	0.0	18.50	17.68	0.0	18.50
	CP-OFDM	QPSK	1	1	16.95	0.0	18.50	16.95	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518600	MPR	Tune-up Limit	518600	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
80	DFS-s OFDM	PI/2 BPSK	1	1	18.12	0.0	18.50	18.12	0.0	18.50
			1	108	17.90	0.0	18.50	17.90	0.0	18.50
			1	215	17.70	0.0	18.50	17.70	0.0	18.50
			108	54	17.93	0.0	18.50	17.93	0.0	18.50
			216	0	17.95	0.0	18.50	17.95	0.0	18.50
		QPSK	1	1	18.15	0.0	18.50	18.15	0.0	18.50
			1	108	18.12	0.0	18.50	18.12	0.0	18.50
			1	215	17.70	0.0	18.50	17.70	0.0	18.50
			108	54	17.70	0.0	18.50	17.70	0.0	18.50
			216	0	17.70	0.0	18.50	17.70	0.0	18.50
		16QAM	1	1	17.65	0.0	18.50	17.65	0.0	18.50
		64QAM	1	1	18.03	0.0	18.50	18.03	0.0	18.50
		256QAM	1	1	17.65	0.0	18.50	17.65	0.0	18.50
	CP-OFDM	QPSK	1	1	16.89	0.0	18.50	16.89	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518600	MPR	Tune-up Limit	518600	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
60	DFS-s OFDM	PI/2 BPSK	1	1	18.12	0.0	18.50	18.12	0.0	18.50
			1	80	17.70	0.0	18.50	17.70	0.0	18.50
			1	160	17.68	0.0	18.50	17.68	0.0	18.50
			81	40	17.63	0.0	18.50	17.63	0.0	18.50
			162	0	17.95	0.0	18.50	17.95	0.0	18.50
		QPSK	1	1	18.15	0.0	18.50	18.15	0.0	18.50
			1	80	18.12	0.0	18.50	18.12	0.0	18.50
			1	160	17.70	0.0	18.50	17.70	0.0	18.50
			81	40	17.70	0.0	18.50	17.70	0.0	18.50
			162	0	17.70	0.0	18.50	17.70	0.0	18.50
		16QAM	1	1	17.67	0.0	18.50	17.67	0.0	18.50
		64QAM	1	1	18.37	0.0	18.50	18.37	0.0	18.50
		256QAM	1	1	17.78	0.0	18.50	17.78	0.0	18.50
	CP-OFDM	QPSK	1	1	17.20	0.0	18.50	17.20	0.0	18.50

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NR Band 41 Measured Results (ANT2) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
							518600							518600				
							2593.00 MHz							2593.00 MHz				
50	DFS-s OFDM	P/2 BPSK	1	1			17.99			0.0	18.50			17.99			0.0	18.50
			1	66			17.81			0.0	18.50			17.81			0.0	18.50
			1	131			17.90			0.0	18.50			17.90			0.0	18.50
			64	32			17.89			0.0	18.50			17.89			0.0	18.50
			128	0			17.70			0.0	18.50			17.70			0.0	18.50
		QPSK	1	1			18.03			0.0	18.50			18.03			0.0	18.50
			1	66			17.90			0.0	18.50			17.90			0.0	18.50
			1	131			17.90			0.0	18.50			17.90			0.0	18.50
			64	32			17.86			0.0	18.50			17.86			0.0	18.50
			128	0			17.70			0.0	18.50			17.70			0.0	18.50
		16QAM	1	1			17.67			0.0	18.50			17.67			0.0	18.50
		64QAM	1	1			18.14			0.0	18.50			18.14			0.0	18.50
		256QAM	1	1			17.65			0.0	18.50			17.65			0.0	18.50
	CP-OFDM	QPSK	1	1			17.12			0.0	18.50			17.12			0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					503196	510900	518600	526296	533994			503196	510900	518600	526296	533994		
					2515.98 MHz	2554.5 MHz	2593.00 MHz	2631.48 MHz	2669.97 MHz			2515.98 MHz	2554.5 MHz	2593.00 MHz	2593.0	2669.97 MHz		
40	DFS-s OFDM	P/2 BPSK	1	1	18.08	17.99	18.12	17.94	17.77	0.0	18.50	18.08	17.99	18.12	17.94	17.77	0.0	18.50
			1	52	18.04	17.77	17.82	17.84	17.63	0.0	18.50	18.04	17.77	17.82	17.84	17.63	0.0	18.50
			1	104	18.25	18.04	18.03	17.74	18.03	0.0	18.50	18.25	18.04	18.03	17.74	18.03	0.0	18.50
			50	25	17.95	17.94	17.80	17.71	17.78	0.0	18.50	17.95	17.94	17.80	17.71	17.78	0.0	18.50
			100	0	17.67	17.83	17.82	17.57	17.92	0.0	18.50	17.67	17.83	17.82	17.57	17.92	0.0	18.50
		QPSK	1	1	18.15	18.19	17.99	17.92	17.74	0.0	18.50	18.15	18.19	17.99	17.92	17.74	0.0	18.50
			1	52	17.99	18.02	17.75	17.59	17.70	0.0	18.50	17.99	18.02	17.75	17.59	17.70	0.0	18.50
			1	104	18.13	18.06	17.89	17.80	17.92	0.0	18.50	18.13	18.06	17.89	17.80	17.92	0.0	18.50
			50	25	17.97	17.95	17.87	17.66	17.75	0.0	18.50	17.97	17.95	17.87	17.66	17.75	0.0	18.50
			100	0	17.48	17.36	17.45	17.50	17.95	0.0	18.50	17.48	17.36	17.45	17.50	17.95	0.0	18.50
		16QAM	1	1	17.12	17.12	17.10	17.20	17.20	0.0	18.50	17.12	17.12	17.10	17.20	17.20	0.0	18.50
		64QAM	1	1	17.89	17.57	17.16	17.57	17.71	0.0	18.50	17.89	17.57	17.16	17.57	17.71	0.0	18.50
		256QAM	1	1	17.35	17.69	17.16	17.82	18.04	0.0	18.50	17.35	17.69	17.16	17.82	18.04	0.0	18.50
	CP-OFDM	QPSK	1	1	17.01	18.41	16.98	16.83	18.18	0.0	18.50	17.01	18.41	16.98	16.83	18.18	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					502200	510396	518600	526800	534996			502200	510396	518600	526800	534996		
					2511 MHz	2551.98 MHz	2593.00 MHz	2634 MHz	2674.98 MHz			2511 MHz	2551.98 MHz	2593.00 MHz	2634 MHz	2674.98 MHz		
30	DFS-s OFDM	P/2 BPSK	1	1	18.14	18.23	18.01	17.96	17.91	0.0	18.50	18.14	18.23	18.01	17.96	17.91	0.0	18.50
			1	38	18.01	17.91	17.77	17.92	17.93	0.0	18.50	18.01	17.91	17.77	17.92	17.93	0.0	18.50
			1	76	18.09	18.04	18.11	17.85	17.87	0.0	18.50	18.09	18.04	18.11	17.85	17.87	0.0	18.50
			36	18	17.98	17.93	17.83	17.70	17.82	0.0	18.50	17.98	17.93	17.83	17.70	17.82	0.0	18.50
			75	0	17.94	17.83	17.95	18.00	18.00	0.0	18.50	17.94	17.83	17.95	18.00	18.00	0.0	18.50
		QPSK	1	1	18.13	18.16	18.03	17.84	17.82	0.0	18.50	18.13	18.16	18.03	17.84	17.82	0.0	18.50
			1	38	18.10	18.06	17.87	17.70	17.70	0.0	18.50	18.10	18.06	17.87	17.70	17.70	0.0	18.50
			1	76	18.07	18.01	17.92	17.83	17.84	0.0	18.50	18.07	18.01	17.92	17.83	17.84	0.0	18.50
			36	18	18.04	17.96	17.79	17.69	17.79	0.0	18.50	18.04	17.96	17.79	17.69	17.79	0.0	18.50
			75	0	17.50	17.45	17.35	17.49	17.47	0.0	18.50	17.50	17.45	17.35	17.49	17.47	0.0	18.50
		16QAM	1	1	16.85	17.40	16.89	17.17	17.49	0.0	18.50	16.85	17.40	16.89	17.17	17.49	0.0	18.50
		64QAM	1	1	18.18	17.95	17.63	17.99	17.98	0.0	18.50	18.18	17.95	17.63	17.99	17.98	0.0	18.50
		256QAM	1	1	17.58	17.59	17.15	17.43	17.54	0.0	18.50	17.58	17.59	17.15	17.43	17.54	0.0	18.50
	CP-OFDM	QPSK	1	1	16.92	17.08	17.01	16.97	16.88	0.0	18.50	16.92	17.08	17.01	16.97	16.88	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					501198	509898	518600	527298	535998			501198	509898	518600	527298	535998		
					2505.99 MHz	2549.49 MHz	2593.00 MHz	2636.49 MHz	2679.99 MHz			2505.99 MHz	2549.49 MHz	2593.00 MHz	2636.49 MHz	2679.99 MHz		
20	DFS-s OFDM	P/2 BPSK	1	1	17.96	18.06	17.65	17.65	17.65	0.0	18.50	17.96	18.06	17.65	17.65	17.65	0.0	18.50
			1	25	17.77	17.89	17.57	17.66	17.62	0.0	18.50	17.77	17.89	17.57	17.66	17.62	0.0	18.50
			1	49	17.98	17.96	17.87	17.40	17.71	0.0	18.50	17.98	17.96	17.87	17.40	17.71	0.0	18.50
			25	12	17.81	18.23	17.65	17.53	17.59	0.0	18.50	17.81	18.23	17.65	17.53	17.59	0.0	18.50
			50	0	18.00	17.80	17.82	17.99	17.75	0.0	18.50	18.00	17.80	17.82	17.99	17.75	0.0	18.50
		QPSK	1	1	17.94	17.95	17.72	17.73	17.58	0.0	18.50	17.94	17.95	17.72	17.73	17.58	0.0	18.50
			1	25	17.77	17.81	17.54	17.58	17.64	0.0	18.50	17.77	17.81	17.54	17.58	17.64	0.0	18.50
			1	49	17.78	17.82	17.76	17.59	17.55	0.0	18.50	17.78	17.82	17.76	17.59	17.55	0.0	18.50
			25	12	17.82	17.85	17.66	17.59	17.62	0.0	18.50	17.82	17.85	17.66	17.59	17.62	0.0	18.50
			50	0	17.50	17.47	17.38	17.49	17.50	0.0	18.50	17.50	17.47	17.38	17.49	17.50	0.0	18.50
		16QAM	1	1	16.98	17.25	16.88	16.97	17.46	0.0	18.50	16.98	17.25	16.88	16.97	17.46	0.0	18.50
		64QAM	1	1	17.79	17.91	17.47	17.69	17.91	0.0	18.50	17.79	17.91	17.47	17.69	17.91	0.0	18.50
		256QAM	1	1	17.56	17.64	17.77	17.99	17.35	0.0	18.50	17.56	17.64	17.77	17.99	17.35	0.0	18.50
	CP-OFDM	QPSK	1	1	17.08	17.00	16.94	16.99	16.89	0.0	18.50	17.08	17.00	16.94	16.99	16.89	0.0	18.50

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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)		
					518600	MPR	Tune-up Limit	518600	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
100	DFS-s OFDM	PI/2 BPSK	1	1	23.01	0.0	23.50	16.99	0.0	17.80
			1	137	23.04	0.0	23.50	16.87	0.0	17.80
			1	271	23.15	0.0	23.50	16.85	0.0	17.80
			135	69	23.00	0.0	23.50	16.89	0.0	17.80
			270	0	23.14	0.0	23.50	16.91	0.0	17.80
		QPSK	1	1	23.12	0.0	23.50	17.05	0.0	17.80
			1	137	23.20	0.0	23.50	17.10	0.0	17.80
			1	271	23.17	0.0	23.50	16.95	0.0	17.80
			135	69	23.02	0.0	23.50	17.10	0.0	17.80
			270	0	23.00	0.0	23.50	16.75	0.0	17.80
		16QAM	1	1	22.93	0.0	23.50	16.96	0.0	17.80
		64QAM	1	1	21.30	1.3	22.20	16.95	0.0	17.80
		256QAM	1	1	19.33	3.3	20.20	16.84	0.0	17.80
	CP-OFDM	QPSK	1	1	22.43	0.3	23.20	16.78	0.0	17.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518600	MPR	Tune-up Limit	518600	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
90	DFS-s OFDM	PI/2 BPSK	1	1	23.20	0.0	23.50	17.14	0.0	17.80
			1	122	23.03	0.0	23.50	16.78	0.0	17.80
			1	243	23.14	0.0	23.50	16.91	0.0	17.80
			120	60	22.99	0.0	23.50	17.08	0.0	17.80
			243	0	23.00	0.0	23.50	16.87	0.0	17.80
		QPSK	1	1	23.08	0.0	23.50	16.93	0.0	17.80
			1	122	23.08	0.0	23.50	17.07	0.0	17.80
			1	243	23.10	0.0	23.50	16.75	0.0	17.80
			120	60	23.05	0.0	23.50	17.06	0.0	17.80
			243	0	23.00	0.0	23.50	16.99	0.0	17.80
		16QAM	1	1	22.92	0.0	23.50	16.97	0.0	17.80
		64QAM	1	1	21.31	1.3	22.20	16.92	0.0	17.80
		256QAM	1	1	19.33	3.3	20.20	16.86	0.0	17.80
	CP-OFDM	QPSK	1	1	22.46	0.3	23.20	16.78	0.0	17.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518600	MPR	Tune-up Limit	518600	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
80	DFS-s OFDM	PI/2 BPSK	1	1	23.01	0.0	23.50	16.91	0.0	17.80
			1	108	23.03	0.0	23.50	16.97	0.0	17.80
			1	215	23.14	0.0	23.50	16.85	0.0	17.80
			108	54	22.99	0.0	23.50	16.80	0.0	17.80
			216	0	23.00	0.0	23.50	16.78	0.0	17.80
		QPSK	1	1	23.00	0.0	23.50	16.95	0.0	17.80
			1	108	23.09	0.0	23.50	16.94	0.0	17.80
			1	215	23.03	0.0	23.50	16.91	0.0	17.80
			108	54	23.06	0.0	23.50	16.87	0.0	17.80
			216	0	23.00	0.0	23.50	16.91	0.0	17.80
		16QAM	1	1	22.95	0.0	23.50	16.94	0.0	17.80
		64QAM	1	1	21.31	1.3	22.20	16.92	0.0	17.80
		256QAM	1	1	19.31	3.3	20.20	16.83	0.0	17.80
	CP-OFDM	QPSK	1	1	22.47	0.3	23.20	16.79	0.0	17.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518600	MPR	Tune-up Limit	518600	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
60	DFS-s OFDM	PI/2 BPSK	1	1	22.90	0.0	23.50	17.02	0.0	17.80
			1	80	22.86	0.0	23.50	16.94	0.0	17.80
			1	160	22.79	0.0	23.50	16.86	0.0	17.80
			81	40	22.77	0.0	23.50	16.84	0.0	17.80
			162	0	22.82	0.0	23.50	16.87	0.0	17.80
		QPSK	1	1	22.91	0.0	23.50	17.00	0.0	17.80
			1	80	22.88	0.0	23.50	16.91	0.0	17.80
			1	160	22.87	0.0	23.50	16.90	0.0	17.80
			81	40	22.86	0.0	23.50	16.89	0.0	17.80
			162	0	22.49	0.0	23.50	16.91	0.0	17.80
		16QAM	1	1	22.48	0.0	23.50	16.98	0.0	17.80
		64QAM	1	1	20.84	1.3	22.20	16.96	0.0	17.80
		256QAM	1	1	18.85	3.3	20.20	16.88	0.0	17.80
	CP-OFDM	QPSK	1	1	22.00	0.3	23.20	16.83	0.0	17.80

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NR Band 41 Measured Results (ANT3) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
							518600							518600				
							2593.00 MHz							2593.00 MHz				
50	DFS-s OFDM	P/2 BPSK	1	1			22.85			0.0	23.50			17.01			0.0	17.80
			1	66			22.59			0.0	23.50			16.89			0.0	17.80
			1	131			22.70			0.0	23.50			16.87			0.0	17.80
			64	32			22.55			0.0	23.50			16.91			0.0	17.80
			128	0			22.77			0.0	23.50			16.94			0.0	17.80
		QPSK	1	1			22.86			0.0	23.50			17.02			0.0	17.80
			1	66			22.66			0.0	23.50			16.88			0.0	17.80
			1	131			22.78			0.0	23.50			16.92			0.0	17.80
			64	32			22.63			0.0	23.50			16.84			0.0	17.80
			128	0			22.47			0.0	23.50			16.91			0.0	17.80
		16QAM	1	1			22.44			0.0	23.50			16.98			0.0	17.80
		64QAM	1	1			20.84			1.3	22.20			16.96			0.0	17.80
		256QAM	1	1			18.85			3.3	20.20			16.92			0.0	17.80
	CP-OFDM	QPSK	1	1			21.99			0.3	23.20			16.86			0.0	17.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					503196	510900	518600	526296	533994			503196	510900	518600	526296	533994		
					2515.98 MHz	2554.5 MHz	2593.00 MHz	2631.48 MHz	2669.97 MHz			2515.98 MHz	2554.5 MHz	2593.00 MHz	2631.48 MHz	2669.97 MHz		
40	DFS-s OFDM	P/2 BPSK	1	1	22.78	22.79	22.90	22.95	22.85	0.0	23.50	16.49	16.43	16.47	16.54	16.60	0.0	17.80
			1	52	22.97	22.72	22.64	22.84	22.89	0.0	23.50	16.88	16.30	16.33	16.38	16.51	0.0	17.80
			1	104	22.83	22.66	22.75	23.02	22.94	0.0	23.50	16.30	16.35	16.43	16.55	16.57	0.0	17.80
			50	25	22.80	22.84	22.76	22.73	22.79	0.0	23.50	16.46	16.29	16.46	16.43	16.30	0.0	17.80
			100	0	22.80	22.61	22.60	22.80	22.80	0.0	23.50	16.89	16.35	16.37	16.38	16.52	0.0	17.80
		QPSK	1	1	22.74	22.77	22.91	22.89	22.80	0.0	23.50	16.57	16.47	16.55	16.56	16.67	0.0	17.80
			1	52	22.82	22.71	22.71	22.74	22.64	0.0	23.50	16.88	16.31	16.38	16.43	16.59	0.0	17.80
			1	104	22.72	22.64	22.83	22.91	22.78	0.0	23.50	17.11	16.46	16.47	16.66	16.67	0.0	17.80
			50	25	22.77	22.59	22.68	22.69	22.74	0.0	23.50	16.94	16.36	16.38	16.40	16.52	0.0	17.80
			100	0	22.50	22.46	22.46	22.50	22.49	0.0	23.50	16.47	16.58	16.42	16.57	16.47	0.0	17.80
		16QAM	1	1	22.87	22.89	22.87	22.90	22.85	0.0	23.50	16.51	16.46	16.39	16.42	16.48	0.0	17.80
		64QAM	1	1	21.60	21.47	21.51	21.48	21.55	1.3	22.20	16.45	16.42	16.43	16.41	16.42	0.0	17.80
		256QAM	1	1	19.61	19.48	19.52	19.55	19.52	3.3	20.20	16.43	16.43	16.43	16.32	16.39	0.0	17.80
	CP-OFDM	QPSK	1	1	22.85	22.77	22.79	22.85	22.77	0.3	23.20	16.47	16.41	16.46	16.34	16.38	0.0	17.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					502200	510396	518600	526800	534996			502200	510396	518600	526800	534996		
					2511 MHz	2551.98 MHz	2593.00 MHz	2634 MHz	2674.98 MHz			2511 MHz	2551.98 MHz	2593.00 MHz	2634 MHz	2674.98 MHz		
30	DFS-s OFDM	P/2 BPSK	1	1	22.79	22.77	22.80	22.77	22.74	0.0	23.50	16.55	16.53	16.49	16.45	16.56	0.0	17.80
			1	38	22.89	22.75	22.76	22.78	22.71	0.0	23.50	16.38	16.40	16.35	16.29	16.47	0.0	17.80
			1	76	23.01	22.80	22.69	22.75	22.70	0.0	23.50	16.88	16.45	16.45	16.46	16.53	0.0	17.80
			36	18	23.16	22.84	22.67	22.77	22.68	0.0	23.50	16.36	16.45	16.39	16.29	16.48	0.0	17.80
			75	0	22.54	22.76	22.80	22.76	22.80	0.0	23.50	16.35	16.47	16.31	16.46	16.36	0.0	17.80
		QPSK	1	1	22.73	22.73	22.75	22.80	22.83	0.0	23.50	16.64	16.58	16.57	16.43	16.41	0.0	17.80
			1	38	22.93	22.79	22.72	22.77	22.87	0.0	23.50	16.95	16.42	16.40	16.30	16.33	0.0	17.80
			1	76	23.17	22.83	22.71	22.72	22.91	0.0	23.50	16.40	16.57	16.49	16.53	16.41	0.0	17.80
			36	18	22.57	22.85	22.70	22.72	22.88	0.0	23.50	16.51	16.47	16.40	16.27	16.26	0.0	17.80
			75	0	22.44	22.50	22.40	22.47	22.50	0.0	23.50	16.56	16.43	16.66	16.40	16.57	0.0	17.80
		16QAM	1	1	22.58	22.63	22.58	22.58	22.62	0.0	23.50	16.54	16.45	16.34	16.39	16.44	0.0	17.80
		64QAM	1	1	20.78	20.86	20.75	20.78	20.77	1.3	22.20	16.42	16.42	16.42	16.37	16.39	0.0	17.80
		256QAM	1	1	18.76	18.87	18.76	18.79	18.80	3.3	20.20	16.41	16.43	16.40	16.32	16.36	0.0	17.80
	CP-OFDM	QPSK	1	1	22.32	22.46	22.25	22.39	22.33	0.3	23.20	16.45	16.43	16.43	16.37	16.37	0.0	17.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					501198	509898	518600	527298	535998			501198	509898	518600	527298	535998		
					2505.99 MHz	2549.49 MHz	2593.00 MHz	2636.49 MHz	2679.99 MHz			2505.99 MHz	2549.49 MHz	2593.00 MHz	2636.49 MHz	2679.99 MHz		
20	DFS-s OFDM	P/2 BPSK	1	1	22.84	22.97	22.89	22.86	22.98	0.0	23.50	16.49	16.39	16.55	16.57	16.41	0.0	17.80
			1	25	22.75	22.86	22.76	22.76	22.86	0.0	23.50	16.34	16.26	16.41	16.41	16.32	0.0	17.80
			1	49	22.95	22.89	22.75	22.89	22.83	0.0	23.50	16.51	16.31	16.51	16.58	16.38	0.0	17.80
			25	12	22.79	22.96	22.84	22.82	22.87	0.0	23.50	16.45	16.34	16.45	16.41	16.33	0.0	17.80
			50	0	22.73	22.54	22.80	22.78	22.74	0.0	23.50	16.38	16.88	16.36	16.35	16.64	0.0	17.80
		QPSK	1	1	22.54	22.98	22.95	22.87	23.00	0.0	23.50	16.57	16.49	16.51	16.50	16.48	0.0	17.80
			1	25	22.76	22.91	22.78	22.83	22.85	0.0	23.50	16.88	16.33	16.34	16.37	16.40	0.0	17.80
			1	49	22.96	22.99	22.85	22.91	22.84	0.0	23.50	16.39	16.48	16.43	16.60	16.48	0.0	17.80
			25	12	22.76	22.93	22.84	22.77	22.86	0.0	23.50	16.41	16.38	16.34	16.34	16.33	0.0	17.80
			50	0	22.50	22.47	22.49	22.39	22.41	0.0	23.50	16.38	16.33	16.64	16.48	16.40	0.0	17.80
		16QAM	1	1	21.93	21.95	21.92	21.96	22.01	0.0	23.50	16.41	16.36	16.32	16.46	16.49	0.0	17.80
		64QAM	1	1	21.49	21.48	21.45	21.45	20.53	1.3	22.20	16.40	16.40	16.30	16.43	16.46	0.0	17.80
		256QAM	1	1	18.53	18.55	18.50	18.53	18.54	3.3	20.20	16.37	16.34	16.31	16.35	16.35	0.0	17.80
	CP-OFDM	QPSK	1	1	21.89	21.86	21.86	21.98	21.95	0.3	23.20	16.38	16.31	16.26	16.38	16.39	0.0	17.80

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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)		
					518600	MPR	Tune-up Limit	518600	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
100	DFS-s OFDM	PI/2 BPSK	1	1	16.14	0.0	17.00	18.04	0.0	19.00
			1	137	16.30	0.0	17.00	17.99	0.0	19.00
			1	271	16.24	0.0	17.00	17.98	0.0	19.00
			135	69	16.27	0.0	17.00	17.89	0.0	19.00
			270	0	16.28	0.0	17.00	18.03	0.0	19.00
		QPSK	1	1	16.21	0.0	17.00	18.00	0.0	19.00
			1	137	16.24	0.0	17.00	18.32	0.0	19.00
			1	271	16.17	0.0	17.00	17.90	0.0	19.00
			135	69	16.41	0.0	17.00	18.32	0.0	19.00
			270	0	16.26	0.0	17.00	17.92	0.0	19.00
		16QAM	1	1	16.36	0.0	17.00	18.23	0.0	19.00
		64QAM	1	1	16.27	0.0	17.00	17.85	0.0	19.00
		256QAM	1	1	16.38	0.0	17.00	17.98	0.0	19.00
	CP-OFDM	QPSK	1	1	16.23	0.0	17.00	18.03	0.0	19.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518600	MPR	Tune-up Limit	518600	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
90	DFS-s OFDM	PI/2 BPSK	1	1	16.19	0.0	17.00	18.15	0.0	19.00
			1	122	16.12	0.0	17.00	18.01	0.0	19.00
			1	243	16.23	0.0	17.00	18.07	0.0	19.00
			120	60	16.24	0.0	17.00	18.15	0.0	19.00
			243	0	16.22	0.0	17.00	18.02	0.0	19.00
		QPSK	1	1	16.27	0.0	17.00	18.02	0.0	19.00
			1	122	16.15	0.0	17.00	18.06	0.0	19.00
			1	243	16.06	0.0	17.00	18.03	0.0	19.00
			120	60	16.19	0.0	17.00	18.25	0.0	19.00
			243	0	16.25	0.0	17.00	18.15	0.0	19.00
		16QAM	1	1	16.39	0.0	17.00	17.93	0.0	19.00
		64QAM	1	1	16.26	0.0	17.00	17.87	0.0	19.00
		256QAM	1	1	16.33	0.0	17.00	17.76	0.0	19.00
	CP-OFDM	QPSK	1	1	16.39	0.0	17.00	17.82	0.0	19.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518600	MPR	Tune-up Limit	518600	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
80	DFS-s OFDM	PI/2 BPSK	1	1	16.20	0.0	17.00	18.16	0.0	19.00
			1	108	16.16	0.0	17.00	17.97	0.0	19.00
			1	215	16.32	0.0	17.00	17.93	0.0	19.00
			108	54	16.22	0.0	17.00	18.06	0.0	19.00
			216	0	16.26	0.0	17.00	17.95	0.0	19.00
		QPSK	1	1	16.25	0.0	17.00	18.20	0.0	19.00
			1	108	16.08	0.0	17.00	18.06	0.0	19.00
			1	215	16.22	0.0	17.00	18.02	0.0	19.00
			108	54	16.23	0.0	17.00	18.04	0.0	19.00
			216	0	16.08	0.0	17.00	18.15	0.0	19.00
		16QAM	1	1	16.37	0.0	17.00	17.99	0.0	19.00
		64QAM	1	1	16.34	0.0	17.00	17.86	0.0	19.00
		256QAM	1	1	16.22	0.0	17.00	17.72	0.0	19.00
	CP-OFDM	QPSK	1	1	16.30	0.0	17.00	17.80	0.0	19.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					518600	MPR	Tune-up Limit	518600	MPR	Tune-up Limit
					2593.00 MHz			2593.00 MHz		
60	DFS-s OFDM	PI/2 BPSK	1	1	16.12	0.0	17.00	18.05	0.0	19.00
			1	80	16.20	0.0	17.00	18.01	0.0	19.00
			1	160	16.25	0.0	17.00	18.10	0.0	19.00
			81	40	16.14	0.0	17.00	18.07	0.0	19.00
			162	0	16.32	0.0	17.00	17.93	0.0	19.00
		QPSK	1	1	16.24	0.0	17.00	18.32	0.0	19.00
			1	80	16.13	0.0	17.00	18.10	0.0	19.00
			1	160	16.17	0.0	17.00	17.91	0.0	19.00
			81	40	16.22	0.0	17.00	18.06	0.0	19.00
			162	0	16.17	0.0	17.00	18.10	0.0	19.00
		16QAM	1	1	16.23	0.0	17.00	18.11	0.0	19.00
		64QAM	1	1	16.16	0.0	17.00	18.04	0.0	19.00
		256QAM	1	1	16.05	0.0	17.00	17.91	0.0	19.00
	CP-OFDM	QPSK	1	1	16.11	0.0	17.00	17.98	0.0	19.00

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NR Band 41 Measured Results (ANT4) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
							518600							518600				
							2593.00 MHz							2593.00 MHz				
50	DFS-s OFDM	P/2 BPSK	1	1	[redacted]		16.13		[redacted]	0.0	17.00	[redacted]		18.08		[redacted]	0.0	19.00
			1	66			16.23			0.0	17.00			18.04			0.0	19.00
			1	131			16.24			0.0	17.00			18.05			0.0	19.00
			64	32			16.22			0.0	17.00			18.34			0.0	19.00
			128	0			16.33			0.0	17.00			18.06			0.0	19.00
		QPSK	1	1			16.17			0.0	17.00			18.07			0.0	19.00
			1	66			16.22			0.0	17.00			18.02			0.0	19.00
			1	131			16.28			0.0	17.00			18.04			0.0	19.00
			64	32			16.21			0.0	17.00			18.29			0.0	19.00
			128	0			16.23			0.0	17.00			18.16			0.0	19.00
		16QAM	1	1			16.19			0.0	17.00			18.16			0.0	19.00
		64QAM	1	1			16.06			0.0	17.00			18.02			0.0	19.00
		256QAM	1	1			15.91			0.0	17.00			17.90			0.0	19.00
	CP-OFDM	QPSK	1	1			15.98			0.0	17.00			17.99			0.0	19.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					503196	510900	518600	526296	533994			503196	510900	518600	526296	533994		
					2515.98 MHz	2554.5 MHz	2593.00 MHz	2631.48 MHz	2669.97 MHz			2515.98 MHz	2554.5 MHz	2593.00 MHz	2631.48 MHz	2669.97 MHz		
40	DFS-s OFDM	P/2 BPSK	1	1	16.23	16.21	16.17	16.16	16.27	0.0	17.00	18.05	18.18	18.11	18.08	18.11	0.0	19.00
			1	52	16.21	16.17	16.21	16.23	16.16	0.0	17.00	18.07	17.99	18.01	17.99	17.99	0.0	19.00
			1	104	16.35	16.25	16.24	16.18	16.17	0.0	17.00	18.03	18.06	18.03	18.04	18.06	0.0	19.00
			50	25	16.15	16.20	16.26	16.20	16.12	0.0	17.00	17.90	18.05	17.99	17.98	18.04	0.0	19.00
			100	0	16.16	16.20	16.26	16.20	16.12	0.0	17.00	17.93	18.02	18.08	17.99	18.03	0.0	19.00
		QPSK	1	1	16.24	16.23	16.19	16.14	16.26	0.0	17.00	18.03	18.12	18.04	18.08	17.96	0.0	19.00
			1	52	16.23	16.22	16.27	16.16	16.15	0.0	17.00	18.06	18.03	18.06	18.03	18.06	0.0	19.00
			1	104	16.34	16.27	16.13	16.33	16.19	0.0	17.00	18.12	18.11	18.11	18.06	18.11	0.0	19.00
			50	25	16.16	16.13	16.11	16.20	16.14	0.0	17.00	18.05	18.02	18.00	18.02	18.04	0.0	19.00
			100	0	16.24	16.17	16.11	16.18	16.14	0.0	17.00	18.04	18.08	18.09	18.00	18.00	0.0	19.00
		16QAM	1	1	16.21	16.18	16.31	16.19	16.13	0.0	17.00	18.06	18.13	18.11	18.03	18.02	0.0	19.00
		64QAM	1	1	16.15	16.04	16.22	16.06	16.04	0.0	17.00	17.93	18.06	17.93	17.94	17.94	0.0	19.00
		256QAM	1	1	16.01	15.92	16.07	15.91	15.90	0.0	17.00	17.78	17.82	17.84	17.81	17.82	0.0	19.00
	CP-OFDM	QPSK	1	1	16.07	15.99	16.13	15.98	15.98	0.0	17.00	17.87	17.93	17.91	17.88	17.88	0.0	19.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					502200	510396	518600	526800	534996			502200	510396	518600	526800	534996		
					2511 MHz	2551.98 MHz	2593.00 MHz	2634 MHz	2674.98 MHz			2511 MHz	2551.98 MHz	2593.00 MHz	2634 MHz	2674.98 MHz		
30	DFS-s OFDM	P/2 BPSK	1	1	16.16	16.19	16.21	16.18	16.17	0.0	17.00	18.03	18.06	17.99	18.02	18.04	0.0	19.00
			1	38	16.28	16.24	16.13	16.12	16.13	0.0	17.00	18.08	17.95	18.06	18.06	17.97	0.0	19.00
			1	76	16.27	16.31	16.23	16.22	16.25	0.0	17.00	18.08	18.08	18.05	18.09	18.11	0.0	19.00
			36	18	16.05	16.16	16.12	16.12	16.15	0.0	17.00	17.93	17.98	17.99	18.04	18.03	0.0	19.00
			75	0	16.05	16.12	16.12	16.12	16.20	0.0	17.00	18.13	18.07	18.02	18.03	18.04	0.0	19.00
		QPSK	1	1	16.16	16.13	16.24	16.17	16.25	0.0	17.00	18.00	18.00	18.11	18.09	18.04	0.0	19.00
			1	38	16.20	16.21	16.13	16.15	16.14	0.0	17.00	18.15	18.10	18.01	17.96	18.10	0.0	19.00
			1	76	16.27	16.35	16.26	16.26	16.23	0.0	17.00	18.11	18.07	18.12	18.10	18.09	0.0	19.00
			36	18	16.21	16.24	16.09	16.08	16.13	0.0	17.00	18.04	17.99	18.02	18.02	18.00	0.0	19.00
			75	0	16.20	16.24	16.11	16.08	16.13	0.0	17.00	18.01	17.99	18.02	18.10	18.00	0.0	19.00
		16QAM	1	1	16.25	16.19	16.15	16.24	16.17	0.0	17.00	17.98	17.99	17.98	18.16	17.97	0.0	19.00
		64QAM	1	1	16.16	16.07	16.07	16.17	16.02	0.0	17.00	17.84	17.83	17.94	17.98	17.83	0.0	19.00
		256QAM	1	1	16.03	15.91	15.92	16.09	15.89	0.0	17.00	17.71	17.73	17.73	17.76	17.72	0.0	19.00
	CP-OFDM	QPSK	1	1	16.09	16.01	15.96	16.12	15.97	0.0	17.00	17.80	17.82	17.82	17.92	17.78	0.0	19.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					501198	509898	518600	527298	535998			501198	509898	518600	527298	535998		
					2505.99 MHz	2549.49 MHz	2593.00 MHz	2636.49 MHz	2679.99 MHz			2505.99 MHz	2549.49 MHz	2593.00 MHz	2636.49 MHz	2679.99 MHz		
20	DFS-s OFDM	P/2 BPSK	1	1	16.27	16.22	16.17	16.24	16.18	0.0	17.00	18.05	18.11	18.06	18.11	18.01	0.0	19.00
			1	25	16.19	16.12	16.22	16.17	16.25	0.0	17.00	18.06	18.06	17.97	18.00	18.08	0.0	19.00
			1	49	16.34	16.18	16.26	16.16	16.31	0.0	17.00	18.07	17.98	17.99	18.04	18.11	0.0	19.00
			25	12	16.18	16.14	16.25	16.21	16.29	0.0	17.00	17.93	18.02	18.02	18.02	18.03	0.0	19.00
			50	0	16.24	16.23	16.34	16.16	16.24	0.0	17.00	18.08	17.99	18.04	17.98	18.06	0.0	19.00
		QPSK	1	1	16.15	16.28	16.18	16.28	16.16	0.0	17.00	18.07	18.07	18.10	18.06	18.09	0.0	19.00
			1	25	16.20	16.20	16.28	16.16	16.23	0.0	17.00	17.99	17.96	18.07	17.98	18.02	0.0	19.00
			1	49	16.25	16.26	16.29	16.23	16.19	0.0	17.00	18.11	17.95	18.08	17.99	18.08	0.0	19.00
			25	12	16.12	16.19	16.26	16.22	16.17	0.0	17.00	17.95	18.08	18.02	17.93	17.98	0.0	19.00
			50	0	16.16	16.23	16.18	16.20	16.20	0.0	17.00	17.98	18.03	18.02	17.93	17.96	0.0	19.00
		16QAM	1	1	16.16	16.20	16.16	16.18	16.15	0.0	17.00	18.06	18.13	18.11	18.03	18.02	0.0	19.00
		64QAM	1	1	16.05	16.14	16.03	16.01	15.98	0.0	17.00	17.93	18.06	17.93	17.94	17.94	0.0	19.00
		256QAM	1	1	16.01	16.03	15.87	15.83	15.88	0.0	17.00	17.78	17.82	17.84	17.81	17.82	0.0	19.00
	CP-OFDM	QPSK	1	1	15.96	15.96	15.92	15.96	16.09	0.0	17.00	17.87	17.93	17.91	17.88	17.88	0.0	19.00

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NR Band 66 Measured Results (ANT1)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					349000	MPR	Tune-up Limit		349000	MPR	Tune-up Limit	
					1745 MHz				1745 MHz			
40	DFS-s OFDM	PI/2 BPSK	1	1	22.84	0.0	23.70		16.83	0.0	17.80	
			1	107	22.85	0.0	23.70		16.84	0.0	17.80	
			1	214	22.74	0.0	23.70		17.00	0.0	17.80	
			108	54	22.64	0.0	23.70		17.01	0.0	17.80	
			216	0	22.80	0.5	23.70		16.97	0.0	17.80	
		QPSK	1	1	22.85	0.0	23.70		16.71	0.0	17.80	
			1	107	23.00	0.0	23.70		16.96	0.0	17.80	
			1	214	22.95	0.0	23.70		17.12	0.0	17.80	
			108	54	22.76	0.0	23.70		17.20	0.0	17.80	
			216	0	22.87	1.0	23.70		16.97	0.0	17.80	
		16QAM	1	1	22.53	1.0	23.00		16.98	0.0	17.80	
		64QAM	1	1	21.20	2.5	21.50		16.87	0.0	17.80	
		256QAM	1	1	19.16	4.5	19.50		16.73	0.0	17.80	
	CP-OFDM	QPSK	1	1	21.84	1.5	22.50		16.82	0.0	17.80	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					349000	MPR	Tune-up Limit		349000	MPR	Tune-up Limit	
					1745 MHz				1745 MHz			
30	DFS-s OFDM	PI/2 BPSK	1	1	22.94	0.0	23.70		16.96	0.0	17.80	
			1	79	22.82	0.0	23.70		16.89	0.0	17.80	
			1	158	22.93	0.0	23.70		16.94	0.0	17.80	
			80	40	22.84	0.0	23.70		16.81	0.0	17.80	
			160	0	22.95	0.5	23.70		16.90	0.0	17.80	
		QPSK	1	1	22.77	0.0	23.70		16.97	0.0	17.80	
			1	79	22.85	0.0	23.70		17.05	0.0	17.80	
			1	158	22.80	0.0	23.70		16.90	0.0	17.80	
			80	40	22.87	0.0	23.70		16.81	0.0	17.80	
			160	0	23.22	1.0	23.70		16.56	0.0	17.80	
		16QAM	1	1	22.56	1.0	23.00		16.97	0.0	17.80	
		64QAM	1	1	21.12	2.5	21.50		16.84	0.0	17.80	
		256QAM	1	1	19.14	4.5	19.50		16.81	0.0	17.80	
	CP-OFDM	QPSK	1	1	21.84	1.5	22.50		16.76	0.0	17.80	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					344000	349000	354000	MPR	Tune-up Limit	344000	349000	354000	MPR	Tune-up Limit
					1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	23.26	23.33	23.27	0.0	24.00	16.78	16.94	17.00	0.0	17.80
			1	53	23.34	23.28	23.30	0.0	24.00	16.84	17.01	16.93	0.0	17.80
			1	104	23.18	23.09	23.36	0.0	24.00	16.68	17.09	16.90	0.0	17.80
			50	28	23.10	23.23	23.27	0.0	24.00	16.87	16.78	16.85	0.0	17.80
			100	0	23.20	23.20	23.19	0.0	24.00	16.98	17.05	16.93	0.0	17.80
		QPSK	1	1	23.30	23.16	23.30	0.0	24.00	16.88	16.69	16.71	0.0	17.80
			1	53	22.96	23.40	23.22	0.0	24.00	16.98	17.00	17.04	0.0	17.80
			1	104	23.27	23.18	23.23	0.0	24.00	16.86	16.78	16.89	0.0	17.80
			50	28	23.02	23.22	23.19	0.0	24.00	16.92	17.10	16.82	0.0	17.80
			100	0	22.70	22.70	22.70	0.0	24.00	17.09	16.80	16.89	0.0	17.80
		16QAM	1	1	22.38	22.52	22.60	0.0	24.00	17.02	16.96	16.93	0.0	17.80
		64QAM	1	1	22.44	22.64	22.53	0.8	23.20	16.94	16.91	16.86	0.0	17.80
		256QAM	1	1	20.63	20.43	20.46	2.8	21.20	16.82	16.80	16.81	0.0	17.80
	CP-OFDM	QPSK	1	1	23.36	23.31	23.22	0.0	24.00	16.90	16.86	16.80	0.0	17.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343500	349000	354500	MPR	Tune-up Limit	343500	349000	354500	MPR	Tune-up Limit
					1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15	DFS-s OFDM	PI/2 BPSK	1	1	23.02	23.33	23.33	0.0	24.00	17.02	17.04	17.08	0.0	17.80
			1	40	23.29	23.32	23.44	0.0	24.00	16.89	16.99	17.00	0.0	17.80
			1	77	23.29	23.19	23.20	0.0	24.00	16.93	16.88	17.01	0.0	17.80
			36	18	23.19	23.19	23.31	0.0	24.00	16.89	16.87	16.79	0.0	17.80
			75	0	23.20	23.18	23.05	0.0	24.00	16.98	16.84	16.88	0.0	17.80
		QPSK	1	1	23.35	23.32	23.29	0.0	24.00	16.80	17.05	16.78	0.0	17.80
			1	40	23.18	23.24	23.33	0.0	24.00	16.78	16.79	17.09	0.0	17.80
			1	77	23.05	23.19	23.39	0.0	24.00	16.82	16.87	16.54	0.0	17.80
			36	18	23.13	23.28	23.25	0.0	24.00	16.94	16.90	16.95	0.0	17.80
			75	0	22.70	22.70	22.70	0.0	24.00	17.05	16.93	16.87	0.0	17.80
		16QAM	1	1	22.69	22.62	22.62	0.0	24.00	17.02	16.94	16.82	0.0	17.80
		64QAM	1	1	22.56	22.64	22.68	0.8	23.20	16.91	16.80	16.86	0.0	17.80
		256QAM	1	1	20.41	20.49	20.52	2.8	21.20	16.93	16.81	16.94	0.0	17.80
	CP-OFDM	QPSK	1	1	23.44	23.39	23.30	0.0	24.00	16.86	16.80	16.90	0.0	17.80

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NR Band 66 Measured Results (ANT1) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343000	349000	355000	MPR	Tune-up Limit	343000	349000	355000	MPR	Tune-up Limit
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	23.13	23.16	23.21	0.0	24.00	16.98	16.71	17.03	0.0	17.80
			1	25	23.21	23.19	23.45	0.0	24.00	16.84	16.98	16.92	0.0	17.80
			1	50	23.06	23.38	22.85	0.0	24.00	16.88	17.05	16.95	0.0	17.80
			25	12	23.01	23.20	22.78	0.0	24.00	16.82	16.93	16.84	0.0	17.80
			50	0	23.20	23.19	23.20	0.0	24.00	16.92	16.87	16.85	0.0	17.80
		QPSK	1	1	23.08	23.26	22.75	0.0	24.00	16.61	16.73	17.00	0.0	17.80
			1	25	23.14	23.18	22.77	0.0	24.00	16.96	16.90	16.80	0.0	17.80
			1	50	23.08	23.17	22.65	0.0	24.00	16.90	16.61	16.89	0.0	17.80
			25	12	22.93	23.14	22.78	0.0	24.00	16.76	16.84	16.95	0.0	17.80
			50	0	22.70	22.70	22.70	0.0	24.00	16.68	16.71	16.82	0.0	17.80
		16QAM	1	1	22.62	22.54	22.48	0.0	24.00	17.02	16.94	16.91	0.0	17.80
		64QAM	1	1	22.70	22.57	22.53	0.8	23.20	16.94	16.86	16.82	0.0	17.80
		256QAM	1	1	20.56	20.50	20.43	2.8	21.20	16.89	16.80	16.75	0.0	17.80
	CP-OFDM	QPSK	1	1	23.47	23.36	23.25	0.0	24.00	16.90	16.82	16.79	0.0	17.80

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					342500	349000	355500	MPR	Tune-up Limit	342500	349000	355500	MPR	Tune-up Limit
					1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	23.05	23.32	23.30	0.0	24.00	16.80	16.95	17.01	0.0	17.80
			1	12	23.23	23.42	23.31	0.0	24.00	16.86	17.11	17.16	0.0	17.80
			1	23	23.09	23.46	23.36	0.0	24.00	16.93	17.09	17.08	0.0	17.80
			12	6	23.18	23.17	23.14	0.0	24.00	16.96	16.90	16.76	0.0	17.80
			25	0	23.09	23.20	22.93	0.0	24.00	16.85	16.92	16.86	0.0	17.80
		QPSK	1	1	23.04	23.02	23.32	0.0	24.00	16.68	16.87	16.84	0.0	17.80
			1	12	22.98	23.04	23.23	0.0	24.00	16.71	16.85	16.87	0.0	17.80
			1	23	22.96	23.12	23.22	0.0	24.00	16.82	16.89	16.98	0.0	17.80
			12	6	22.97	23.08	23.32	0.0	24.00	16.83	16.82	16.92	0.0	17.80
			25	0	22.70	22.70	22.70	0.0	24.00	17.03	16.92	16.95	0.0	17.80
		16QAM	1	1	22.64	22.61	22.55	0.0	24.00	17.00	16.97	16.95	0.0	17.80
		64QAM	1	1	22.66	22.56	22.51	0.8	23.20	16.92	16.91	16.91	0.0	17.80
		256QAM	1	1	20.62	20.68	20.65	2.8	21.20	16.87	16.82	16.85	0.0	17.80
	CP-OFDM	QPSK	1	1	23.39	23.35	23.30	0.0	24.00	16.89	16.91	16.93	0.0	17.80

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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)				
					[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit
40	DFS-s OFDM	PI/2 BPSK	1	1		21.20		0.0	21.70		21.20		0.0	21.70
			1	107		21.20		0.0	21.70		21.20		0.0	21.70
			1	214		21.18		0.0	21.70		21.18		0.0	21.70
			108	54		21.14		0.0	21.70		21.14		0.0	21.70
			216	0		20.68		0.5	21.20		20.68		0.5	21.20
		QPSK	1	1		21.13		0.0	21.70		21.13		0.0	21.70
			1	107		21.25		0.0	21.70		21.25		0.0	21.70
			1	214		21.05		0.0	21.70		21.05		0.0	21.70
			108	54		21.20		0.0	21.70		21.20		0.0	21.70
			216	0		20.20		1.0	20.70		20.20		1.0	20.70
		16QAM	1	1		20.04		1.0	20.70		20.04		1.0	20.70
		64QAM	1	1		18.82		2.5	19.20		18.82		2.5	19.20
		256QAM	1	1		17.17		4.5	17.20		17.17		4.5	17.20
	CP-OFDM	QPSK	1	1		19.57		1.5	20.20		19.57		1.5	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit
30	DFS-s OFDM	PI/2 BPSK	1	1		21.18		0.0	21.70		21.18		0.0	21.70
			1	79		21.20		0.0	21.70		21.20		0.0	21.70
			1	158		21.20		0.0	21.70		21.20		0.0	21.70
			80	40		21.14		0.0	21.70		21.14		0.0	21.70
			160	0		20.60		0.5	21.20		20.60		0.5	21.20
		QPSK	1	1		21.06		0.0	21.70		21.06		0.0	21.70
			1	79		21.18		0.0	21.70		21.18		0.0	21.70
			1	158		21.20		0.0	21.70		21.20		0.0	21.70
			80	40		21.20		0.0	21.70		21.20		0.0	21.70
			160	0		20.20		1.0	20.70		20.20		1.0	20.70
		16QAM	1	1		20.05		1.0	20.70		20.05		1.0	20.70
		64QAM	1	1		19.19		2.5	19.20		19.19		2.5	19.20
		256QAM	1	1		16.84		4.5	17.20		16.84		4.5	17.20
	CP-OFDM	QPSK	1	1		19.46		1.5	20.20		19.46		1.5	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					344000 1720 MHz	349000 1745 MHz	354000 1770 MHz	MPR	Tune-up Limit	344000 1720 MHz	349000 1745 MHz	354000 1770 MHz	MPR	Tune-up Limit
20	DFS-s OFDM	PI/2 BPSK	1	1	21.66	21.49	21.72	0.0	23.00	21.66	21.49	21.72	0.0	23.00
			1	53	21.61	21.51	21.38	0.0	23.00	21.61	21.51	21.38	0.0	23.00
			1	104	21.46	21.72	21.54	0.0	23.00	21.46	21.72	21.54	0.0	23.00
			50	28	21.62	21.47	21.49	0.0	23.00	21.62	21.47	21.49	0.0	23.00
			100	0	21.66	21.70	21.73	0.0	23.00	21.66	21.70	21.73	0.0	23.00
		QPSK	1	1	21.67	21.68	21.68	0.0	23.00	21.67	21.68	21.68	0.0	23.00
			1	53	21.78	21.78	21.41	0.0	23.00	21.78	21.78	21.41	0.0	23.00
			1	104	21.68	21.70	21.50	0.0	23.00	21.68	21.70	21.50	0.0	23.00
			50	28	21.61	21.55	21.53	0.0	23.00	21.61	21.55	21.53	0.0	23.00
			100	0	21.68	21.68	21.68	0.3	22.70	21.68	21.68	21.68	0.3	22.70
		16QAM	1	1	21.02	21.33	21.30	0.3	22.70	21.02	21.33	21.30	0.3	22.70
		64QAM	1	1	20.11	19.58	20.09	1.8	21.20	20.11	19.58	20.09	1.8	21.20
		256QAM	1	1	18.63	18.42	18.57	3.8	19.20	18.63	18.42	18.57	3.8	19.20
	CP-OFDM	QPSK	1	1	21.78	21.46	21.60	0.8	22.20	21.78	21.46	21.60	0.8	22.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343500 1717.5 MHz	349000 1745 MHz	354500 1772.5 MHz	MPR	Tune-up Limit	343500 1717.5 MHz	349000 1745 MHz	354500 1772.5 MHz	MPR	Tune-up Limit
15	DFS-s OFDM	PI/2 BPSK	1	1	21.53	21.66	21.64	0.0	23.00	21.53	21.66	21.64	0.0	23.00
			1	40	21.42	21.59	21.33	0.0	23.00	21.42	21.59	21.33	0.0	23.00
			1	77	21.68	21.69	21.56	0.0	23.00	21.68	21.69	21.56	0.0	23.00
			36	18	21.47	21.47	21.41	0.0	23.00	21.47	21.47	21.41	0.0	23.00
			75	0	21.55	21.78	21.61	0.0	23.00	21.55	21.78	21.61	0.0	23.00
		QPSK	1	1	21.65	21.50	21.58	0.0	23.00	21.65	21.50	21.58	0.0	23.00
			1	40	21.56	21.41	21.48	0.0	23.00	21.56	21.41	21.48	0.0	23.00
			1	77	21.70	21.79	21.65	0.0	23.00	21.70	21.79	21.65	0.0	23.00
			36	18	21.60	21.55	21.52	0.0	23.00	21.60	21.55	21.52	0.0	23.00
			75	0	21.65	21.56	21.70	0.3	22.70	21.65	21.56	21.70	0.3	22.70
		16QAM	1	1	21.05	21.11	22.03	0.3	22.70	21.05	21.11	22.03	0.3	22.70
		64QAM	1	1	20.09	20.02	20.26	1.8	21.20	20.09	20.02	20.26	1.8	21.20
		256QAM	1	1	18.55	18.13	18.56	3.8	19.20	18.55	18.13	18.56	3.8	19.20
	CP-OFDM	QPSK	1	1	21.75	21.62	21.74	0.8	22.20	21.75	21.62	21.74	0.8	22.20

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NR Band 66 Measured Results (ANT2) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343000	349000	355000	MPR	Tune-up Limit	343000	349000	355000	MPR	Tune-up Limit
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	21.73	21.54	21.57	0.0	23.00	21.73	21.54	21.57	0.0	23.00
			1	25	21.76	21.74	21.72	0.0	23.00	21.76	21.74	21.72	0.0	23.00
			1	50	21.69	21.75	21.51	0.0	23.00	21.69	21.75	21.51	0.0	23.00
			25	12	21.67	21.62	21.58	0.0	23.00	21.67	21.62	21.58	0.0	23.00
			50	0	21.43	21.74	21.55	0.0	23.00	21.43	21.74	21.55	0.0	23.00
		QPSK	1	1	21.66	21.61	21.66	0.0	23.00	21.66	21.61	21.66	0.0	23.00
			1	25	21.70	21.65	21.63	0.0	23.00	21.70	21.65	21.63	0.0	23.00
			1	50	21.61	21.58	21.59	0.0	23.00	21.61	21.58	21.59	0.0	23.00
			25	12	21.69	21.61	21.62	0.0	23.00	21.69	21.61	21.62	0.0	23.00
			50	0	21.55	21.65	21.56	0.3	22.70	21.55	21.65	21.56	0.3	22.70
		16QAM	1	1	21.26	21.15	21.17	0.3	22.70	21.26	21.15	21.17	0.3	22.70
		64QAM	1	1	20.12	20.11	20.36	1.8	21.20	20.12	20.11	20.36	1.8	21.20
		256QAM	1	1	18.51	18.58	18.64	3.8	19.20	18.51	18.58	18.64	3.8	19.20
	CP-OFDM	QPSK	1	1	21.58	21.48	21.54	0.8	22.20	21.58	21.48	21.54	0.8	22.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					342500	349000	355500	MPR	Tune-up Limit	342500	349000	355500	MPR	Tune-up Limit
					1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	21.62	21.53	21.35	0.0	23.00	21.62	21.53	21.35	0.0	23.00
			1	12	21.76	21.42	21.47	0.0	23.00	21.76	21.42	21.47	0.0	23.00
			1	23	21.72	21.55	21.75	0.0	23.00	21.72	21.55	21.75	0.0	23.00
			12	6	21.66	21.58	21.57	0.0	23.00	21.66	21.58	21.57	0.0	23.00
			25	0	21.58	21.48	21.65	0.0	23.00	21.58	21.48	21.65	0.0	23.00
		QPSK	1	1	21.61	21.54	21.54	0.0	23.00	21.61	21.54	21.54	0.0	23.00
			1	12	21.69	21.52	21.56	0.0	23.00	21.69	21.52	21.56	0.0	23.00
			1	23	21.68	21.65	21.59	0.0	23.00	21.68	21.65	21.59	0.0	23.00
			12	6	21.68	21.59	21.60	0.0	23.00	21.68	21.59	21.60	0.0	23.00
			25	0	21.43	21.66	21.60	0.3	22.70	21.43	21.66	21.60	0.3	22.70
		16QAM	1	1	21.17	21.79	22.15	0.3	22.70	21.17	21.79	22.15	0.3	22.70
		64QAM	1	1	20.06	19.82	20.05	1.8	21.20	20.06	19.82	20.05	1.8	21.20
		256QAM	1	1	18.44	18.51	18.53	3.8	19.20	18.44	18.51	18.53	3.8	19.20
	CP-OFDM	QPSK	1	1	21.72	21.66	21.58	0.8	22.20	21.72	21.66	21.58	0.8	22.20

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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)				
					[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit
40	DFS-s OFDM	PI/2 BPSK	1	1		22.63		0.0	23.20		21.31		0.0	22.00
			1	107		22.82		0.0	23.20		21.16		0.0	22.00
			1	214		22.59		0.0	23.20		21.05		0.0	22.00
			108	54		22.73		0.0	23.20		21.02		0.0	22.00
			216	0		22.68		0.5	22.70		21.10		0.0	22.00
		QPSK	1	1		22.71		0.0	23.20		21.14		0.0	22.00
			1	107		22.83		0.0	23.20		21.35		0.0	22.00
			1	214		22.76		0.0	23.20		21.20		0.0	22.00
			108	54		22.74		0.0	23.20		21.35		0.0	22.00
			216	0		22.20		1.0	22.20		21.14		0.0	22.00
		16QAM	1	1		22.17		1.0	22.20		21.11		0.0	22.00
		64QAM	1	1		20.69		2.5	20.70		20.40		1.3	20.70
		256QAM	1	1		18.17		4.5	18.70		18.45		3.3	18.70
	CP-OFDM	QPSK	1	1		21.39		1.5	21.70		21.13		0.3	21.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit
30	DFS-s OFDM	PI/2 BPSK	1	1		22.69		0.0	23.20		21.28		0.0	22.00
			1	79		22.66		0.0	23.20		21.26		0.0	22.00
			1	158		22.59		0.0	23.20		21.10		0.0	22.00
			80	40		22.60		0.0	23.20		21.17		0.0	22.00
			160	0		22.70		0.5	22.70		20.99		0.0	22.00
		QPSK	1	1		22.69		0.0	23.20		21.17		0.0	22.00
			1	79		22.66		0.0	23.20		21.18		0.0	22.00
			1	158		22.55		0.0	23.20		21.03		0.0	22.00
			80	40		22.66		0.0	23.20		21.17		0.0	22.00
			160	0		22.16		1.0	22.20		21.04		0.0	22.00
		16QAM	1	1		22.01		1.0	22.20		21.13		0.0	22.00
		64QAM	1	1		20.69		2.5	20.70		20.42		1.3	20.70
		256QAM	1	1		18.67		4.5	18.70		18.46		3.3	18.70
	CP-OFDM	QPSK	1	1		21.63		1.5	21.70		21.11		0.3	21.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					344000 1720 MHz	349000 1745 MHz	354000 1770 MHz	MPR	Tune-up Limit	344000 1720 MHz	349000 1745 MHz	354000 1770 MHz	MPR	Tune-up Limit
20	DFS-s OFDM	PI/2 BPSK	1	1	24.48	24.54	24.57	0.0	25.20	21.19	21.23	21.18	0.0	22.00
			1	53	24.51	24.54	24.61	0.0	25.20	21.18	21.13	21.13	0.0	22.00
			1	104	24.47	24.45	24.41	0.0	25.20	21.03	21.10	21.06	0.0	22.00
			50	28	24.46	24.44	24.47	0.0	25.20	21.08	21.05	21.03	0.0	22.00
			100	0	24.46	24.64	24.45	0.5	24.70	21.22	21.10	21.13	0.0	22.00
		QPSK	1	1	24.54	24.62	24.60	0.0	25.20	21.17	21.19	21.11	0.0	22.00
			1	53	24.52	24.65	24.57	0.0	25.20	21.21	21.30	21.16	0.0	22.00
			1	104	24.38	24.46	24.44	0.0	25.20	20.99	21.14	21.04	0.0	22.00
			50	28	24.48	24.46	24.49	0.0	25.20	21.06	21.30	21.02	0.0	22.00
			100	0	24.20	24.15	24.18	1.0	24.20	21.17	21.08	21.08	0.0	22.00
		16QAM	1	1	24.03	24.13	24.13	1.0	24.20	21.21	21.18	21.16	0.0	22.00
		64QAM	1	1	22.59	22.66	22.69	2.5	22.70	21.15	21.17	21.14	0.0	22.00
		256QAM	1	1	20.57	20.64	20.61	4.5	20.70	20.05	20.08	20.06	1.3	20.70
	CP-OFDM	QPSK	1	1	23.57	23.46	23.49	1.5	23.70	21.09	21.08	21.08	0.0	22.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343500 1717.5 MHz	349000 1745 MHz	354500 1772.5 MHz	MPR	Tune-up Limit	343500 1717.5 MHz	349000 1745 MHz	354500 1772.5 MHz	MPR	Tune-up Limit
15	DFS-s OFDM	PI/2 BPSK	1	1	24.64	24.54	24.56	0.0	25.20	21.18	21.11	21.08	0.0	22.00
			1	39	24.54	24.47	24.58	0.0	25.20	21.22	21.16	21.16	0.0	22.00
			1	77	24.55	24.37	24.50	0.0	25.20	21.10	21.13	21.14	0.0	22.00
			36	18	24.55	24.51	24.48	0.0	25.20	21.13	21.12	21.06	0.0	22.00
			75	0	24.48	24.67	24.59	0.5	24.70	21.03	21.13	21.11	0.0	22.00
		QPSK	1	1	24.46	24.42	24.38	0.0	25.20	21.08	21.05	21.02	0.0	22.00
			1	39	24.64	24.55	24.60	0.0	25.20	21.22	21.17	21.20	0.0	22.00
			1	77	24.45	24.38	24.46	0.0	25.20	21.10	21.08	21.14	0.0	22.00
			36	18	24.53	24.47	24.49	0.0	25.20	21.15	21.08	21.10	0.0	22.00
			75	0	24.18	24.19	24.18	1.0	24.20	21.22	21.10	21.13	0.0	22.00
		16QAM	1	1	23.67	23.99	24.03	1.0	24.20	21.15	21.04	21.05	0.0	22.00
		64QAM	1	1	21.99	22.16	22.32	2.5	22.70	21.12	21.02	21.03	0.0	22.00
		256QAM	1	1	20.66	20.67	20.60	4.5	20.70	20.05	20.00	20.00	1.3	20.70
	CP-OFDM	QPSK	1	1	23.59	23.62	23.66	1.5	23.70	21.08	21.03	21.05	0.0	22.00

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NR Band 66 Measured Results (ANT3) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343000	349000	355000	MPR	Tune-up Limit	343000	349000	355000	MPR	Tune-up Limit
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	24.50	24.50	24.40	0.0	25.20	20.93	21.00	21.22	0.0	22.00
			1	25	24.16	24.42	24.41	0.0	25.20	20.77	20.89	21.09	0.0	22.00
			1	50	24.43	24.35	24.42	0.0	25.20	20.94	21.08	21.30	0.0	22.00
			25	12	24.27	24.71	24.67	0.0	25.20	20.95	20.98	21.43	0.0	22.00
			50	0	24.42	24.70	24.70	0.5	24.70	20.81	21.15	20.96	0.0	22.00
		QPSK	1	1	24.48	24.54	24.60	0.0	25.20	20.79	21.13	21.23	0.0	22.00
			1	25	24.67	24.63	24.54	0.0	25.20	21.14	20.88	21.13	0.0	22.00
			1	50	24.59	24.56	24.55	0.0	25.20	21.10	21.20	21.21	0.0	22.00
			25	12	24.67	24.64	24.53	0.0	25.20	20.84	21.02	21.24	0.0	22.00
			50	0	24.19	24.18	24.19	1.0	24.20	20.96	21.21	21.14	0.0	22.00
		16QAM	1	1	23.37	24.05	24.09	1.0	24.20	21.21	21.18	21.20	0.0	22.00
		64QAM	1	1	21.58	22.12	22.19	2.5	22.70	21.19	21.16	21.18	0.0	22.00
		256QAM	1	1	20.68	20.63	20.65	4.5	20.70	20.08	20.08	20.06	1.3	20.70
	CP-OFDM	QPSK	1	1	23.63	23.54	23.61	1.5	23.70	21.10	21.10	21.10	0.0	22.00

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	DFS-s OFDM	PI/2 BPSK	1	1	24.40	24.39	24.50	0.0	25.20	21.32	20.81	20.96	0.0	22.00
			1	12	24.67	24.55	24.67	0.0	25.20	21.27	21.15	21.21	0.0	22.00
			1	23	24.62	24.50	24.49	0.0	25.20	21.11	20.96	21.14	0.0	22.00
			12	6	24.55	24.60	24.63	0.0	25.20	21.31	21.02	21.24	0.0	22.00
			25	0	24.47	24.37	24.51	0.5	24.70	20.79	21.14	21.10	0.0	22.00
		QPSK	1	1	24.56	24.61	24.66	0.0	25.20	21.26	20.89	21.20	0.0	22.00
			1	12	24.59	24.76	24.52	0.0	25.20	20.85	21.00	21.29	0.0	22.00
			1	23	24.59	24.50	24.60	0.0	25.20	21.05	21.10	21.26	0.0	22.00
			12	6	24.53	24.51	24.53	0.0	25.20	21.02	21.14	21.30	0.0	22.00
			25	0	24.17	24.19	24.13	1.0	24.20	20.79	21.14	21.10	0.0	22.00
		16QAM	1	1	23.84	24.01	24.08	1.0	24.20	21.22	20.75	20.94	0.0	22.00
		64QAM	1	1	22.02	22.06	22.14	2.5	22.70	21.06	21.02	20.90	0.0	22.00
		256QAM	1	1	20.52	20.63	20.66	4.5	20.70	19.98	19.70	19.85	1.3	20.70
	CP-OFDM	QPSK	1	1	23.65	23.70	23.63	1.5	23.70	21.12	20.79	20.92	0.0	22.00

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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)				
					[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit
40	DFS-s OFDM	PI/2 BPSK	1	1		20.03		0.0	20.80		21.03		0.0	21.50
			1	107		20.04		0.0	20.80		21.01		0.0	21.50
			1	214		20.28		0.0	20.80		21.16		0.0	21.50
			108	54		20.05		0.0	20.80		21.15		0.0	21.50
			216	0		19.87		0.0	20.80		20.62		0.3	21.20
		QPSK	1	1		20.08		0.0	20.80		20.80		0.0	21.50
			1	107		19.98		0.0	20.80		21.23		0.0	21.50
			1	214		20.02		0.0	20.80		21.15		0.0	21.50
			108	54		20.31		0.0	20.80		21.23		0.0	21.50
			216	0		20.05		0.1	20.70		20.70		0.8	20.70
		16QAM	1	1		19.99		0.1	20.70		20.30		0.8	20.70
		64QAM	1	1		18.98		1.6	19.20		18.98		2.3	19.20
		256QAM	1	1		17.11		3.6	17.20		17.11		4.3	17.20
	CP-OFDM	QPSK	1	1		19.86		0.6	20.20		19.86		1.3	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					.				
					[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit	[redacted]	349000 1745 MHz	[redacted]	MPR	Tune-up Limit
30	DFS-s OFDM	PI/2 BPSK	1	1		20.05		0.0	20.80		21.12		0.0	21.50
			1	79		20.07		0.0	20.80		21.20		0.0	21.50
			1	158		20.15		0.0	20.80		21.03		0.0	21.50
			80	40		20.02		0.0	20.80		21.05		0.0	21.50
			160	0		19.91		0.0	20.80		20.70		0.3	21.20
		QPSK	1	1		20.00		0.0	20.80		21.01		0.0	21.50
			1	79		19.97		0.0	20.80		20.94		0.0	21.50
			1	158		20.05		0.0	20.80		21.10		0.0	21.50
			80	40		20.05		0.0	20.80		21.08		0.0	21.50
			160	0		20.04		0.1	20.70		20.58		0.8	20.70
		16QAM	1	1		20.27		0.1	20.70		20.27		0.8	20.70
		64QAM	1	1		19.14		1.6	19.20		19.14		2.3	19.20
		256QAM	1	1		17.09		3.6	17.20		17.09		4.3	17.20
	CP-OFDM	QPSK	1	1		19.97		0.6	20.20		19.97		1.3	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					344000 1720 MHz	349000 1745 MHz	354000 1770 MHz	MPR	Tune-up Limit	344000 1720 MHz	349000 1745 MHz	354000 1770 MHz	MPR	Tune-up Limit
20	DFS-s OFDM	PI/2 BPSK	1	1	20.12	20.04	20.11	0.0	20.80	21.00	21.20	21.11	0.0	21.50
			1	53	20.14	20.04	20.19	0.0	20.80	20.97	21.16	20.92	0.0	21.50
			1	104	19.92	19.96	20.25	0.0	20.80	21.08	21.15	21.09	0.0	21.50
			50	28	19.93	19.94	19.97	0.0	20.80	20.99	21.16	21.09	0.0	21.50
			100	0	19.92	19.73	19.97	0.0	20.80	21.03	20.97	21.00	0.0	21.50
		QPSK	1	1	20.02	20.07	19.92	0.0	20.80	21.06	21.07	21.18	0.0	21.50
			1	53	20.03	20.10	20.01	0.0	20.80	21.10	21.25	21.05	0.0	21.50
			1	104	20.09	20.12	20.14	0.0	20.80	21.07	21.20	21.19	0.0	21.50
			50	28	19.97	20.24	20.25	0.0	20.80	21.15	21.20	21.25	0.0	21.50
			100	0	19.98	19.86	19.97	0.0	20.80	21.00	21.13	21.11	0.0	21.50
		16QAM	1	1	19.60	19.91	19.76	0.0	20.80	21.03	20.91	21.01	0.0	21.50
		64QAM	1	1	19.62	19.63	19.62	0.0	20.80	21.10	21.04	21.06	0.3	21.20
		256QAM	1	1	19.12	19.02	19.13	1.6	19.20	18.99	18.68	18.47	2.3	19.20
	CP-OFDM	QPSK	1	1	19.78	19.69	19.78	0.0	20.80	21.10	21.20	21.05	0.0	21.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343500 1717.5 MHz	349000 1745 MHz	354500 1772.5 MHz	MPR	Tune-up Limit	343500 1717.5 MHz	349000 1745 MHz	354500 1772.5 MHz	MPR	Tune-up Limit
15	DFS-s OFDM	PI/2 BPSK	1	1	20.06	19.87	20.10	0.0	20.80	21.05	20.92	21.05	0.0	21.50
			1	39	20.10	20.10	20.14	0.0	20.80	20.98	21.08	21.03	0.0	21.50
			1	77	19.87	19.84	19.89	0.0	20.80	21.01	20.84	20.79	0.0	21.50
			36	18	19.90	20.21	20.06	0.0	20.80	20.96	21.06	21.00	0.0	21.50
			75	0	19.92	19.93	19.92	0.0	20.80	21.03	20.91	21.01	0.0	21.50
		QPSK	1	1	20.08	19.99	20.08	0.0	20.80	21.10	21.04	21.06	0.0	21.50
			1	39	20.03	20.11	20.00	0.0	20.80	21.00	21.05	21.11	0.0	21.50
			1	77	20.00	20.02	20.06	0.0	20.80	20.83	20.98	20.96	0.0	21.50
			36	18	20.06	19.99	19.97	0.0	20.80	21.11	21.02	21.04	0.0	21.50
			75	0	20.05	20.04	20.03	0.0	20.80	20.94	21.10	21.08	0.0	21.50
		16QAM	1	1	19.96	20.15	20.01	0.0	20.80	21.33	21.44	21.38	0.0	21.50
		64QAM	1	1	20.06	20.44	20.41	0.0	20.80	20.78	20.76	20.73	0.3	21.20
		256QAM	1	1	19.14	19.14	19.02	1.6	19.20	19.14	19.14	19.06	2.3	19.20
	CP-OFDM	QPSK	1	1	20.10	20.22	20.33	0.0	20.80	21.05	21.08	21.07	0.0	21.50

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NR Band 66 Measured Results (ANT4) (continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					343000	349000	355000	MPR	Tune-up Limit	343000	349000	355000	MPR	Tune-up Limit
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	20.05	20.04	20.06	0.0	20.80	20.86	21.00	20.94	0.0	21.50
			1	25	20.02	20.14	20.01	0.0	20.80	21.05	21.01	21.03	0.0	21.50
			1	50	20.07	20.05	20.16	0.0	20.80	21.04	21.13	21.11	0.0	21.50
			25	12	20.08	20.16	20.06	0.0	20.80	20.92	21.15	20.90	0.0	21.50
			50	0	19.97	19.94	20.04	0.0	20.80	21.05	21.04	21.00	0.0	21.50
		QPSK	1	1	20.10	20.13	20.12	0.0	20.80	21.07	21.16	21.10	0.0	21.50
			1	25	19.98	20.09	20.18	0.0	20.80	20.88	20.93	21.01	0.0	21.50
			1	50	20.08	20.15	20.04	0.0	20.80	21.06	21.14	21.17	0.0	21.50
			25	12	20.00	19.99	20.12	0.0	20.80	20.99	21.02	21.07	0.0	21.50
			50	0	20.05	20.05	20.04	0.0	20.80	21.01	21.10	21.01	0.0	21.50
		16QAM	1	1	20.37	20.38	20.33	0.0	20.80	21.02	21.06	21.06	0.0	21.50
		64QAM	1	1	20.07	20.24	20.42	0.0	20.80	21.16	20.73	20.82	0.3	21.20
		256QAM	1	1	19.02	19.14	19.05	1.6	19.20	19.02	19.14	19.05	2.3	19.20
	CP-OFDM	QPSK	1	1	19.95	19.97	20.32	0.0	20.80	21.04	21.03	21.04	0.0	21.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					342500	349000	355500	MPR	Tune-up Limit	342500	349000	355500	MPR	Tune-up Limit
					1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	20.09	20.03	20.06	0.0	20.80	21.09	20.96	20.97	0.0	21.50
			1	12	20.02	20.06	20.18	0.0	20.80	21.07	21.02	21.10	0.0	21.50
			1	23	20.01	20.07	20.03	0.0	20.80	20.95	21.09	21.09	0.0	21.50
			12	6	20.12	19.92	20.10	0.0	20.80	21.09	20.98	21.06	0.0	21.50
			25	0	20.01	20.16	20.06	0.0	20.80	21.05	21.04	20.92	0.0	21.50
		QPSK	1	1	20.09	20.14	20.11	0.0	20.80	21.13	21.13	21.19	0.0	21.50
			1	12	20.08	20.08	20.20	0.0	20.80	21.09	21.19	21.19	0.0	21.50
			1	23	20.11	20.13	20.25	0.0	20.80	21.14	21.18	21.19	0.0	21.50
			12	6	20.03	20.02	20.05	0.0	20.80	20.95	21.03	21.08	0.0	21.50
			25	0	20.00	20.02	20.02	0.0	20.80	21.03	21.09	21.00	0.0	21.50
		16QAM	1	1	20.43	20.38	20.37	0.0	20.80	21.07	21.07	21.09	0.0	21.50
		64QAM	1	1	20.27	20.24	20.36	0.0	20.80	21.11	20.97	21.17	0.3	21.20
		256QAM	1	1	19.01	18.86	19.14	1.6	19.20	18.81	18.66	18.94	2.3	19.20
	CP-OFDM	QPSK	1	1	20.36	20.41	20.36	0.0	20.80	21.06	21.08	21.05	0.0	21.50

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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)			
					136100	MPR	Tune-up Limit		136100	MPR	Tune-up Limit	
					680.5 MHz				680.5 MHz			
20	DFS-s OFDM	PI/2 BPSK	1	1	24.73	0.0	25.70		24.73	0.0	25.70	
			1	53	24.81	0.0	25.70		24.81	0.0	25.70	
			1	104	24.65	0.0	25.70		24.65	0.0	25.70	
			50	28	24.65	0.0	25.70		24.65	0.0	25.70	
			100	0	24.77	0.5	25.20		24.77	0.5	25.20	
		QPSK	1	1	24.86	0.0	25.70		24.86	0.0	25.70	
			1	53	24.87	0.0	25.70		24.87	0.0	25.70	
			1	104	24.79	0.0	25.70		24.79	0.0	25.70	
			50	28	24.71	0.0	25.70		24.71	0.0	25.70	
			100	0	24.54	1.0	24.70		24.54	1.0	24.70	
		16QAM	1	1	24.60	1.0	24.70		24.60	1.0	24.70	
		64QAM	1	1	23.14	2.5	23.20		23.14	2.5	23.20	
		256QAM	1	1	21.18	4.5	21.20		21.18	4.5	21.20	
	CP-OFDM	QPSK	1	1	24.03	1.5	24.20		24.03	1.5	24.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					136100	MPR	Tune-up Limit		136100	MPR	Tune-up Limit	
					680.5 MHz				680.5 MHz			
15	DFS-s OFDM	PI/2 BPSK	1	1	24.69	0.0	25.70		24.69	0.0	25.70	
			1	39	24.71	0.0	25.70		24.71	0.0	25.70	
			1	77	24.68	0.0	25.70		24.68	0.0	25.70	
			36	18	24.55	0.0	25.70		24.55	0.0	25.70	
			75	0	24.96	0.5	25.20		24.96	0.5	25.20	
		QPSK	1	1	25.02	0.0	25.70		25.02	0.0	25.70	
			1	39	24.87	0.0	25.70		24.87	0.0	25.70	
			1	77	24.61	0.0	25.70		24.61	0.0	25.70	
			36	18	24.65	0.0	25.70		24.65	0.0	25.70	
			75	0	24.70	1.0	24.70		24.70	1.0	24.70	
		16QAM	1	1	24.68	1.0	24.70		24.68	1.0	24.70	
		64QAM	1	1	22.78	2.5	23.20		22.78	2.5	23.20	
		256QAM	1	1	21.15	4.5	21.20		21.15	4.5	21.20	
	CP-OFDM	QPSK	1	1	23.89	1.5	24.20		23.89	1.5	24.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					133600	136100	138600	MPR	Tune-up Limit	133600	136100	138600	MPR	Tune-up Limit
					668 MHz	680.5 MHz	693 MHz			668 MHz	680.5 MHz	693 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	24.96	24.62	24.72	0.0	25.70	24.96	24.62	24.72	0.0	25.70
			1	25	24.80	24.69	24.75	0.0	25.70	24.80	24.69	24.75	0.0	25.70
			1	50	24.77	24.72	24.74	0.0	25.70	24.77	24.72	24.74	0.0	25.70
			25	12	24.75	24.69	25.10	0.0	25.70	24.75	24.69	25.10	0.0	25.70
			50	0	24.73	24.54	24.80	0.5	25.20	24.73	24.54	24.80	0.5	25.20
		QPSK	1	1	24.84	24.78	24.97	0.0	25.70	24.84	24.78	24.97	0.0	25.70
			1	25	25.02	24.68	25.24	0.0	25.70	25.02	24.68	25.24	0.0	25.70
			1	50	24.77	24.80	25.15	0.0	25.70	24.77	24.80	25.15	0.0	25.70
			25	12	24.81	24.61	25.12	0.0	25.70	24.81	24.61	25.12	0.0	25.70
			50	0	24.70	24.70	24.70	1.0	24.70	24.70	24.70	24.70	1.0	24.70
		16QAM	1	1	24.70	24.43	24.66	1.0	24.70	24.70	24.43	24.66	1.0	24.70
		64QAM	1	1	22.90	22.94	23.05	2.5	23.20	22.90	22.94	23.05	2.5	23.20
		256QAM	1	1	21.19	21.09	21.14	4.5	21.20	21.19	21.09	21.14	4.5	21.20
	CP-OFDM	QPSK	1	1	23.86	23.81	23.74	1.5	24.20	23.86	23.81	23.74	1.5	24.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					133100	136100	139100	MPR	Tune-up Limit	133100	136100	139100	MPR	Tune-up Limit
					665.5 MHz	680.5 MHz	695.5 MHz			665.5 MHz	680.5 MHz	695.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	25.38	25.13	25.20	0.0	25.70	25.38	25.13	25.20	0.0	25.70
			1	12	25.20	25.08	25.10	0.0	25.70	25.20	25.08	25.10	0.0	25.70
			1	23	25.28	25.03	24.76	0.0	25.70	25.28	25.03	24.76	0.0	25.70
			12	6	25.24	25.12	25.04	0.0	25.70	25.24	25.12	25.04	0.0	25.70
			25	0	25.12	25.17	25.12	0.5	25.20	25.12	25.17	25.12	0.5	25.20
		QPSK	1	1	25.10	25.35	25.00	0.0	25.70	25.10	25.35	25.00	0.0	25.70
			1	12	25.11	25.12	25.11	0.0	25.70	25.11	25.12	25.11	0.0	25.70
			1	23	25.06	25.17	25.03	0.0	25.70	25.06	25.17	25.03	0.0	25.70
			12	6	25.26	25.12	24.82	0.0	25.70	25.26	25.12	24.82	0.0	25.70
			25	0	24.70	24.70	24.70	1.0	24.70	24.70	24.70	24.70	1.0	24.70
		16QAM	1	1	24.67	24.62	24.62	1.0	24.70	24.67	24.62	24.62	1.0	24.70
		64QAM	1	1	23.01	22.82	23.08	2.5	23.20	23.01	22.82	23.08	2.5	23.20
		256QAM	1	1	20.97	21.19	20.96	4.5	21.20	20.97	21.19	20.96	4.5	21.20
	CP-OFDM	QPSK	1	1	23.98	23.87	23.74	1.5	24.20	23.98	23.87	23.74	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)			
					136100	MPR	Tune-up Limit		136100	MPR	Tune-up Limit	
					680.5 MHz				680.5 MHz			
20	DFS-s OFDM	PI/2 BPSK	1	1	24.32	0.0	24.70		24.32	0.0	24.70	
			1	53	24.32	0.0	24.70		24.32	0.0	24.70	
			1	104	24.29	0.0	24.70		24.29	0.0	24.70	
			50	28	24.28	0.0	24.70		24.28	0.0	24.70	
			100	0	24.10	0.5	24.20		24.10	0.5	24.20	
		QPSK	1	1	24.32	0.0	24.70		24.32	0.0	24.70	
			1	53	24.36	0.0	24.70		24.36	0.0	24.70	
			1	104	24.29	0.0	24.70		24.29	0.0	24.70	
			50	28	24.28	0.0	24.70		24.28	0.0	24.70	
			100	0	23.68	1.0	23.70		23.68	1.0	23.70	
		16QAM	1	1	23.61	1.0	23.70		23.61	1.0	23.70	
		64QAM	1	1	22.14	2.5	22.20		22.14	2.5	22.20	
		256QAM	1	1	20.09	4.5	20.20		20.09	4.5	20.20	
	CP-OFDM	QPSK	1	1	23.15	1.5	23.20		23.15	1.5	23.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)				Power Mode B (dBm)			
					136100	MPR	Tune-up Limit		136100	MPR	Tune-up Limit	
					680.5 MHz				680.5 MHz			
15	DFS-s OFDM	PI/2 BPSK	1	1	24.22	0.0	24.70		24.22	0.0	24.70	
			1	40	24.25	0.0	24.70		24.25	0.0	24.70	
			1	77	24.10	0.0	24.70		24.10	0.0	24.70	
			36	18	24.09	0.0	24.70		24.09	0.0	24.70	
			75	0	24.14	0.5	24.20		24.14	0.5	24.20	
		QPSK	1	1	24.22	0.0	24.70		24.22	0.0	24.70	
			1	40	24.25	0.0	24.70		24.25	0.0	24.70	
			1	77	24.10	0.0	24.70		24.10	0.0	24.70	
			36	18	24.09	0.0	24.70		24.09	0.0	24.70	
			75	0	23.21	1.0	23.70		23.21	1.0	23.70	
		16QAM	1	1	23.33	1.0	23.70		23.33	1.0	23.70	
		64QAM	1	1	22.13	2.5	22.20		22.13	2.5	22.20	
		256QAM	1	1	19.73	4.5	20.20		19.73	4.5	20.20	
	CP-OFDM	QPSK	1	1	23.02	1.5	23.20		23.02	1.5	23.20	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					133600	136100	138600	MPR	Tune-up Limit	133600	136100	138600	MPR	Tune-up Limit
					668 MHz	680.5 MHz	693 MHz			668 MHz	680.5 MHz	693 MHz		
10	DFS-s OFDM	PI/2 BPSK	1	1	24.00	24.20	24.20	0.0	24.70	24.00	24.20	24.20	0.0	24.70
			1	25	24.05	24.34	24.30	0.0	24.70	24.05	24.34	24.30	0.0	24.70
			1	50	24.21	24.20	24.20	0.0	24.70	24.21	24.20	24.20	0.0	24.70
			25	12	24.21	24.14	23.95	0.0	24.70	24.21	24.14	23.95	0.0	24.70
			50	0	24.12	23.95	24.00	0.5	24.20	24.12	23.95	24.00	0.5	24.20
		QPSK	1	1	24.06	24.00	24.01	0.0	24.70	24.06	24.00	24.01	0.0	24.70
			1	25	23.84	23.71	23.76	0.0	24.70	23.84	23.71	23.76	0.0	24.70
			1	50	24.24	24.20	24.28	0.0	24.70	24.24	24.20	24.28	0.0	24.70
			25	12	23.75	23.69	23.72	0.0	24.70	23.75	23.69	23.72	0.0	24.70
			50	0	23.10	23.09	23.21	1.0	23.70	23.10	23.09	23.21	1.0	23.70
		16QAM	1	1	23.21	23.68	23.21	1.0	23.70	23.21	23.68	23.21	1.0	23.70
		64QAM	1	1	21.96	22.16	22.15	2.5	22.20	21.96	22.16	22.15	2.5	22.20
		256QAM	1	1	20.12	19.94	20.13	4.5	20.20	20.12	19.94	20.13	4.5	20.20
	CP-OFDM	QPSK	1	1	23.20	23.07	23.15	1.5	23.20	23.20	23.07	23.15	1.5	23.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)				
					133100	136100	139100	MPR	Tune-up Limit	133100	136100	139100	MPR	Tune-up Limit
					665.5 MHz	680.5 MHz	695.5 MHz			665.5 MHz	680.5 MHz	695.5 MHz		
5	DFS-s OFDM	PI/2 BPSK	1	1	24.42	24.28	24.30	0.0	24.70	24.42	24.28	24.30	0.0	24.70
			1	12	23.86	24.22	24.33	0.0	24.70	23.86	24.22	24.33	0.0	24.70
			1	23	24.13	24.10	24.21	0.0	24.70	24.13	24.10	24.21	0.0	24.70
			12	6	24.50	24.08	23.97	0.0	24.70	24.50	24.08	23.97	0.0	24.70
			25	0	24.05	23.21	24.11	0.5	24.20	24.05	23.21	24.11	0.5	24.20
		QPSK	1	1	24.22	24.22	24.14	0.0	24.70	24.22	24.22	24.14	0.0	24.70
			1	12	24.36	24.17	24.25	0.0	24.70	24.36	24.17	24.25	0.0	24.70
			1	23	24.20	24.15	24.12	0.0	24.70	24.20	24.15	24.12	0.0	24.70
			12	6	24.20	24.20	23.95	0.0	24.70	24.20	24.20	23.95	0.0	24.70
			25	0	23.45	23.15	23.11	1.0	23.70	23.45	23.15	23.11	1.0	23.70
		16QAM	1	1	23.30	23.50	23.39	1.0	23.70	23.30	23.50	23.39	1.0	23.70
		64QAM	1	1	21.83	22.14	21.86	2.5	22.20	21.83	22.14	21.86	2.5	22.20
		256QAM	1	1	19.57	19.70	19.53	4.5	20.20	19.57	19.70	19.53	4.5	20.20
	CP-OFDM	QPSK	1	1	22.59	22.95	22.46	1.5	23.20	22.59	22.95	22.46	1.5	23.20

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
100	DFS-s OFDM	PI/2 BPSK	1	1	25.12	0.0	25.70	19.59	0.0	20.20
			1	137	25.16	0.0	25.70	19.60	0.0	20.20
			1	271	25.06	0.0	25.70	19.42	0.0	20.20
			135	69	25.10	0.0	25.70	19.65	0.0	20.20
			270	0	24.20	0.5	25.20	19.73	0.0	20.20
		QPSK	1	1	25.20	0.0	25.70	19.70	0.0	20.20
			1	137	25.21	0.0	25.70	19.76	0.0	20.20
			1	271	25.21	0.0	25.70	19.60	0.0	20.20
			135	69	25.25	0.0	25.70	19.66	0.0	20.20
			270	0	24.70	1.0	24.70	19.74	0.0	20.20
		16QAM	1	1	24.56	1.0	24.70	19.36	0.0	20.20
		64QAM	1	1	23.05	2.5	23.20	19.21	0.0	20.20
		256QAM	1	1	21.12	4.5	21.20	19.18	0.0	20.20
	CP-OFDM	QPSK	1	1	23.97	1.5	24.20	19.28	0.0	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
90	DFS-s OFDM	PI/2 BPSK	1	1	25.01	0.0	25.70	19.52	0.0	20.20
			1	122	25.09	0.0	25.70	19.55	0.0	20.20
			1	243	25.03	0.0	25.70	19.39	0.0	20.20
			120	60	24.51	0.0	25.70	19.44	0.0	20.20
			243	0	24.56	0.5	25.20	19.53	0.0	20.20
		QPSK	1	1	25.05	0.0	25.70	19.41	0.0	20.20
			1	122	25.08	0.0	25.70	19.53	0.0	20.20
			1	243	24.84	0.0	25.70	19.39	0.0	20.20
			121	60	24.53	0.0	25.70	19.55	0.0	20.20
			243	0	24.50	1.0	24.70	19.38	0.0	20.20
		16QAM	1	1	24.47	1.0	24.70	19.14	0.0	20.20
		64QAM	1	1	22.98	2.5	23.20	19.08	0.0	20.20
		256QAM	1	1	20.89	4.5	21.20	19.01	0.0	20.20
	CP-OFDM	QPSK	1	1	23.65	1.5	24.20	19.11	0.0	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
80	DFS-s OFDM	PI/2 BPSK	1	1	24.97	0.0	25.70	19.39	0.0	20.20
			1	108	24.85	0.0	25.70	19.23	0.0	20.20
			1	215	24.67	0.0	25.70	19.07	0.0	20.20
			108	54	24.75	0.0	25.70	19.26	0.0	20.20
			216	0	24.36	0.5	25.20	19.53	0.0	20.20
		QPSK	1	1	25.02	0.0	25.70	19.66	0.0	20.20
			1	108	24.79	0.0	25.70	19.37	0.0	20.20
			1	215	24.70	0.0	25.70	19.13	0.0	20.20
			108	54	24.73	0.0	25.70	19.36	0.0	20.20
			216	0	24.50	1.0	24.70	19.18	0.0	20.20
		16QAM	1	1	24.26	1.0	24.70	19.21	0.0	20.20
		64QAM	1	1	22.98	2.5	23.20	19.12	0.0	20.20
		256QAM	1	1	20.98	4.5	21.20	19.06	0.0	20.20
	CP-OFDM	QPSK	1	1	23.78	1.5	24.20	19.09	0.0	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
70	DFS-s OFDM	PI/2 BPSK	1	1	25.01	0.0	25.70	19.76	0.0	20.20
			1	91	25.03	0.0	25.70	19.64	0.0	20.20
			1	187	24.70	0.0	25.70	19.47	0.0	20.20
			94	47	25.23	0.0	25.70	19.45	0.0	20.20
			180	0	24.67	0.5	25.20	19.65	0.0	20.20
		QPSK	1	1	24.93	0.0	25.70	19.41	0.0	20.20
			1	91	24.83	0.0	25.70	19.65	0.0	20.20
			1	187	24.78	0.0	25.70	19.52	0.0	20.20
			94	47	25.17	0.0	25.70	19.45	0.0	20.20
			180	0	24.50	1.0	24.70	19.56	0.0	20.20
		16QAM	1	1	24.44	1.0	24.70	19.36	0.0	20.20
		64QAM	1	1	22.92	2.5	23.20	19.29	0.0	20.20
		256QAM	1	1	20.92	4.5	21.20	19.12	0.0	20.20
	CP-OFDM	QPSK	1	1	23.84	1.5	24.20	19.25	0.0	20.20

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
60	DFS-s OFDM	PI/2 BPSK	1	1	25.04	0.0	25.70	19.42	0.0	20.20
			1	80	24.79	0.0	25.70	19.68	0.0	20.20
			1	160	24.89	0.0	25.70	19.55	0.0	20.20
			81	40	25.17	0.0	25.70	19.25	0.0	20.20
			162	0	25.00	0.5	25.20	19.55	0.0	20.20
		QPSK	1	1	24.94	0.0	25.70	19.41	0.0	20.20
			1	80	24.96	0.0	25.70	19.53	0.0	20.20
			1	160	25.06	0.0	25.70	19.41	0.0	20.20
			81	40	25.15	0.0	25.70	19.25	0.0	20.20
			162	0	24.50	1.0	24.70	19.53	0.0	20.20
		16QAM	1	1	24.45	1.0	24.70	19.23	0.0	20.20
		64QAM	1	1	22.96	2.5	23.20	19.16	0.0	20.20
		256QAM	1	1	20.98	4.5	21.20	19.01	0.0	20.20
	CP-OFDM	QPSK	1	1	23.87	1.5	24.20	19.10	0.0	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
50	DFS-s OFDM	PI/2 BPSK	1	1	24.71	0.0	25.70	19.47	0.0	20.20
			1	66	24.99	0.0	25.70	19.32	0.0	20.20
			1	131	24.92	0.0	25.70	18.55	0.0	20.20
			64	32	24.64	0.0	25.70	18.84	0.0	20.20
			128	0	24.37	0.5	25.20	19.25	0.0	20.20
		QPSK	1	1	24.35	0.0	25.70	18.66	0.0	20.20
			1	66	24.34	0.0	25.70	18.67	0.0	20.20
			1	131	24.58	0.0	25.70	18.64	0.0	20.20
			64	32	24.63	0.0	25.70	18.91	0.0	20.20
			128	0	24.49	1.0	24.70	18.97	0.0	20.20
		16QAM	1	1	24.57	1.0	24.70	19.17	0.0	20.20
		64QAM	1	1	23.16	2.5	23.20	19.12	0.0	20.20
		256QAM	1	1	21.09	4.5	21.20	19.02	0.0	20.20
	CP-OFDM	QPSK	1	1	24.01	1.5	24.20	19.06	0.0	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
40	DFS-s OFDM	PI/2 BPSK	1	1	24.48	0.0	25.70	19.43	0.0	20.20
			1	52	25.02	0.0	25.70	18.59	0.0	20.20
			1	104	25.16	0.0	25.70	18.77	0.0	20.20
			50	25	24.72	0.0	25.70	19.05	0.0	20.20
			100	0	24.38	0.5	25.20	18.87	0.0	20.20
		QPSK	1	1	24.78	0.0	25.70	19.14	0.0	20.20
			1	52	25.12	0.0	25.70	19.01	0.0	20.20
			1	104	24.56	0.0	25.70	19.01	0.0	20.20
			50	25	24.75	0.0	25.70	18.97	0.0	20.20
			100	0	24.50	1.0	24.70	19.31	0.0	20.20
		16QAM	1	1	24.39	1.0	24.70	19.21	0.0	20.20
		64QAM	1	1	22.97	2.5	23.20	19.17	0.0	20.20
		256QAM	1	1	20.81	4.5	21.20	19.11	0.0	20.20
	CP-OFDM	QPSK	1	1	23.76	1.5	24.20	19.12	0.0	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
30	DFS-s OFDM	PI/2 BPSK	1	1	24.96	0.0	25.70	19.48	0.0	20.20
			1	38	24.70	0.0	25.70	19.27	0.0	20.20
			1	76	24.88	0.0	25.70	19.19	0.0	20.20
			36	18	24.70	0.0	25.70	19.14	0.0	20.20
			75	0	24.95	0.5	25.20	19.08	0.0	20.20
		QPSK	1	1	24.98	0.0	25.70	19.46	0.0	20.20
			1	38	24.98	0.0	25.70	19.03	0.0	20.20
			1	76	24.71	0.0	25.70	19.15	0.0	20.20
			36	18	24.80	0.0	25.70	19.20	0.0	20.20
			75	0	24.70	1.0	24.70	19.48	0.0	20.20
		16QAM	1	1	24.68	1.0	24.70	19.17	0.0	20.20
		64QAM	1	1	23.16	2.5	23.20	19.09	0.0	20.20
		256QAM	1	1	21.06	4.5	21.20	19.06	0.0	20.20
	CP-OFDM	QPSK	1	1	23.92	1.5	24.20	19.01	0.0	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 630666 3459.99 MHz	633332 3499.98 MHz	635998 3539.97 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 630666 3459.99 MHz	633332 3499.98 MHz	635998 3539.97 MHz	MPR	Tune-up Limit
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	24.76	24.39	24.55	0.0	25.70	19.58	19.41	18.98	0.0	20.20
			1	25	24.64	24.43	24.20	0.0	25.70	19.48	19.13	19.14	0.0	20.20
			1	49	24.41	24.20	24.05	0.0	25.70	19.48	19.25	18.89	0.0	20.20
			25	12	24.57	24.41	24.22	0.0	25.70	19.38	19.18	18.97	0.0	20.20
			50	0	24.95	24.98	24.71	0.5	25.20	18.91	18.86	18.79	0.0	20.20
		QPSK	1	1	24.98	24.98	24.98	0.0	25.70	19.67	19.18	19.12	0.0	20.20
			1	25	24.98	24.98	24.98	0.0	25.70	19.51	19.08	18.97	0.0	20.20
			1	49	24.83	24.24	24.19	0.0	25.70	19.55	19.17	18.91	0.0	20.20
			25	12	24.64	24.40	24.23	0.0	25.70	19.43	19.19	18.96	0.0	20.20
			50	0	24.18	24.14	24.09	1.0	24.70	19.39	19.23	19.07	0.0	20.20
		16QAM	1	1	24.63	24.59	24.51	1.0	24.70	19.23	19.19	19.12	0.0	20.20
		64QAM	1	1	23.13	23.11	23.15	2.5	23.20	19.16	19.11	19.07	0.0	20.20
		256QAM	1	1	21.18	21.11	21.06	4.5	21.20	19.01	18.98	18.96	0.0	20.20
	CP-OFDM	QPSK	1	1	23.99	23.89	23.76	1.5	24.20	19.07	19.12	19.10	0.0	20.20

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)			
							656000	MPR	Tune-up Limit		656000	MPR	Tune-up Limit
							3840 MHz				3840 MHz		
100	DFS-s OFDM	PI/2 BPSK	1	1			24.98	0.0	25.70		19.80	0.0	20.20
			1	137			25.05	0.0	25.70		19.87	0.0	20.20
			1	271			25.10	0.0	25.70		19.80	0.0	20.20
			135	69			24.88	0.0	25.70		19.65	0.0	20.20
			270	0			24.26	0.5	25.20		19.78	0.0	20.20
		QPSK	1	1			24.97	0.0	25.70		19.71	0.0	20.20
			1	137			25.25	0.0	25.70		19.90	0.0	20.20
			1	271			25.15	0.0	25.70		19.83	0.0	20.20
			135	69			24.90	0.0	25.70		19.71	0.0	20.20
			270	0			24.65	1.0	24.70		19.80	0.0	20.20
		16QAM	1	1			24.26	1.0	24.70		19.81	0.0	20.20
		64QAM	1	1			23.20	2.5	23.20		19.76	0.0	20.20
		256QAM	1	1			21.01	4.5	21.20		19.63	0.0	20.20
	CP-OFDM	QPSK	1	1			23.97	1.5	24.20		19.71	0.0	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)			
					649666	652834	656000	MPR	Tune-up Limit		656000	MPR	Tune-up Limit
					3744.99 MHz	3792.51 MHz	3840 MHz				3840 MHz		
90	DFS-s OFDM	PI/2 BPSK	1	1			25.26	0.0	25.70		19.80	0.0	20.20
			1	122			25.09	0.0	25.70		19.71	0.0	20.20
			1	243			25.50	0.0	25.70		19.70	0.0	20.20
			120	60			25.14	0.0	25.70		19.63	0.0	20.20
			243	0			25.20	0.5	25.20		19.45	0.0	20.20
		QPSK	1	1			25.42	0.0	25.70		19.83	0.0	20.20
			1	122			25.31	0.0	25.70		19.78	0.0	20.20
			1	243			25.53	0.0	25.70		19.79	0.0	20.20
			120	60			25.27	0.0	25.70		19.60	0.0	20.20
			243	0			24.70	1.0	24.70		19.45	0.0	20.20
		16QAM	1	1			24.54	1.0	24.70		19.76	0.0	20.20
		64QAM	1	1			23.17	2.5	23.20		19.72	0.0	20.20
		256QAM	1	1			21.12	4.5	21.20		19.61	0.0	20.20
	CP-OFDM	QPSK	1	1			24.03	1.5	24.20		19.68	0.0	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)			
							656000	MPR	Tune-up Limit		656000	MPR	Tune-up Limit
							3840 MHz				3840 MHz		
80	DFS-s OFDM	PI/2 BPSK	1	1			25.01	0.0	25.70		19.91	0.0	20.20
			1	108			25.07	0.0	25.70		19.83	0.0	20.20
			1	215			24.94	0.0	25.70		19.88	0.0	20.20
			108	54			24.92	0.0	25.70		19.71	0.0	20.20
			216	0			24.72	0.5	25.20		19.45	0.0	20.20
		QPSK	1	1			25.01	0.0	25.70		19.93	0.0	20.20
			1	108			25.06	0.0	25.70		19.91	0.0	20.20
			1	215			25.03	0.0	25.70		19.92	0.0	20.20
			108	54			24.83	0.0	25.70		19.72	0.0	20.20
			216	0			24.70	1.0	24.70		19.45	0.0	20.20
		16QAM	1	1			24.59	1.0	24.70		19.74	0.0	20.20
		64QAM	1	1			23.16	2.5	23.20		19.66	0.0	20.20
		256QAM	1	1			21.03	4.5	21.20		19.51	0.0	20.20
	CP-OFDM	QPSK	1	1			23.96	1.5	24.20		19.56	0.0	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					Power Mode B (dBm)			
							656000	MPR	Tune-up Limit		656000	MPR	Tune-up Limit
							3840 MHz				3840 MHz		
70	DFS-s OFDM	PI/2 BPSK	1	1			24.99	0.0	25.70		19.85	0.0	20.20
			1	91			25.04	0.0	25.70		19.85	0.0	20.20
			1	187			25.01	0.0	25.70		19.87	0.0	20.20
			90	45			24.87	0.0	25.70		19.71	0.0	20.20
			180	0			24.74	0.5	25.20		19.45	0.0	20.20
		QPSK	1	1			24.88	0.0	25.70		19.88	0.0	20.20
			1	91			24.95	0.0	25.70		19.78	0.0	20.20
			1	187			25.01	0.0	25.70		19.84	0.0	20.20
			90	45			24.85	0.0	25.70		19.73	0.0	20.20
			180	0			24.70	1.0	24.70		19.45	0.0	20.20
		16QAM	1	1			24.66	1.0	24.70		19.75	0.0	20.20
		64QAM	1	1			23.20	2.5	23.20		19.71	0.0	20.20
		256QAM	1	1			21.12	4.5	21.20		19.64	0.0	20.20
	CP-OFDM	QPSK	1	1			23.89	1.5	24.20		19.68	0.0	20.20

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
							656000							656000				
							3840 MHz							3840 MHz				
60	DFS-s OFDM	PI/2 BPSK	1	1			25.17			0.0	25.70			19.46			0.0	20.20
			1	80			25.34			0.0	25.70			19.45			0.0	20.20
			1	160			25.33			0.0	25.70			19.47			0.0	20.20
			81	40			25.26			0.0	25.70			19.55			0.0	20.20
			162	0			25.20			0.5	25.20			19.49			0.0	20.20
		QPSK	1	1			25.30			0.0	25.70			19.45			0.0	20.20
			1	80			25.38			0.0	25.70			19.45			0.0	20.20
			1	160			25.46			0.0	25.70			19.45			0.0	20.20
			81	40			25.19			0.0	25.70			19.45			0.0	20.20
			162	0			24.70			1.0	24.70			19.48			0.0	20.20
		16QAM	1	1			24.64			1.0	24.70			19.82			0.0	20.20
		64QAM	1	1			23.20			2.5	23.20			19.76			0.0	20.20
		256QAM	1	1			21.12			4.5	21.20			19.64			0.0	20.20
	CP-OFDM	QPSK	1	1			24.03			1.5	24.20			19.78			0.0	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					648334	652166	656000	659834	663666			648334	652166	656000	659834	663666		
					3725.01 MHz	3782.49 MHz	3840 MHz	3897.51 MHz	3954.99 MHz			3725.01 MHz	3782.49 MHz	3840 MHz	3897.51 MHz	3954.99 MHz		
50	DFS-s OFDM	PI/2 BPSK	1	1	25.68	25.36	25.20	25.51	25.34	0.0	25.70	19.60	19.42	19.09	19.35	19.27	0.0	20.20
			1	66	25.47	25.11	25.38	25.22	25.15	0.0	25.70	19.51	19.31	19.36	19.14	19.04	0.0	20.20
			1	131	25.36	25.40	25.51	25.35	25.12	0.0	25.70	19.29	19.34	19.57	19.26	19.10	0.0	20.20
			64	32	25.51	25.25	25.28	25.19	25.06	0.0	25.70	19.40	19.20	19.24	19.19	19.06	0.0	20.20
			128	0	25.20	25.20	25.14	25.20	25.20	0.5	25.20	19.42	19.44	19.42	19.41	19.20	0.0	20.20
		QPSK	1	1	25.70	25.39	25.23	25.30	25.31	0.0	25.70	19.53	19.38	19.25	19.28	19.43	0.0	20.20
			1	66	25.49	25.52	25.42	25.34	25.08	0.0	25.70	19.48	19.22	19.30	19.29	19.13	0.0	20.20
			1	131	25.46	25.26	25.44	25.37	25.15	0.0	25.70	19.34	19.56	19.45	19.32	19.16	0.0	20.20
			64	32	25.44	25.22	25.28	25.24	25.05	0.0	25.70	19.42	19.29	19.29	19.17	19.10	0.0	20.20
			128	0	24.70	24.70	24.70	24.70	24.70	1.0	24.70	19.57	19.24	19.42	19.25	19.30	0.0	20.20
		16QAM	1	1	24.56	24.51	24.46	24.42	24.36	1.0	24.70	19.82	19.79	19.75	19.71	19.64	0.0	20.20
		64QAM	1	1	23.15	23.11	23.18	23.14	23.03	2.5	23.20	19.79	19.75	19.71	19.67	19.64	0.0	20.20
		256QAM	1	1	21.20	21.15	21.06	21.19	21.11	4.5	21.20	19.67	19.64	19.58	19.55	19.51	0.0	20.20
	CP-OFDM	QPSK	1	1	23.97	23.91	23.86	23.79	23.71	1.5	24.20	19.75	19.66	19.62	19.57	19.49	0.0	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					648000	652000	656000	660000	664000			648000	652000	656000	660000	664000		
					3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz		
40	DFS-s OFDM	PI/2 BPSK	1	1	25.44	25.35	25.26	25.55	25.27	0.0	25.70	19.63	19.93	19.18	19.42	19.20	0.0	20.20
			1	52	25.51	25.34	25.09	25.48	25.25	0.0	25.70	19.33	19.01	19.28	19.44	19.10	0.0	20.20
			1	104	25.62	25.36	25.50	25.53	25.01	0.0	25.70	19.65	19.42	19.51	19.42	19.07	0.0	20.20
			50	25	25.48	25.23	25.14	25.32	24.99	0.0	25.70	19.48	19.14	19.20	19.41	19.17	0.0	20.20
			100	0	25.20	25.20	25.20	25.20	25.20	0.5	25.20	19.29	19.40	19.42	19.53	19.48	0.0	20.20
		QPSK	1	1	25.68	25.50	25.42	25.51	25.25	0.0	25.70	19.77	19.50	19.40	19.69	19.15	0.0	20.20
			1	52	25.52	25.13	25.31	25.34	25.32	0.0	25.70	19.50	19.10	19.35	19.31	19.03	0.0	20.20
			1	104	25.68	25.35	25.53	25.59	25.39	0.0	25.70	19.55	19.33	19.36	19.49	19.12	0.0	20.20
			50	25	25.55	25.26	25.27	25.31	25.10	0.0	25.70	19.42	19.24	19.26	19.27	19.05	0.0	20.20
			100	0	24.70	24.70	24.70	24.70	24.70	1.0	24.70	19.07	19.17	19.48	19.15	19.03	0.0	20.20
		16QAM	1	1	24.67	24.58	24.55	24.51	24.46	1.0	24.70	19.82	19.78	19.72	19.66	19.57	0.0	20.20
		64QAM	1	1	23.18	23.12	23.06	23.01	22.93	2.5	23.20	19.78	19.72	19.64	19.58	19.51	0.0	20.20
		256QAM	1	1	21.19	21.07	21.10	20.98	21.12	4.5	21.20	19.75	19.69	19.60	19.56	19.48	0.0	20.20
	CP-OFDM	QPSK	1	1	23.99	23.87	23.76	23.68	23.59	1.5	24.20	19.76	19.71	19.62	19.60	19.59	0.0	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					647334	651666	656000	660266	664666			647334	651666	656000	660266	664666		
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
30	DFS-s OFDM	PI/2 BPSK	1	1	25.52	25.18	25.23	25.43	25.23	0.0	25.70	19.37	19.46	19.11	19.48	19.35	0.0	20.20
			1	38	25.45	25.14	25.12	25.39	25.05	0.0	25.70	19.46	19.34	19.16	19.42	18.97	0.0	20.20
			1	76	25.70	25.35	25.38	25.31	25.07	0.0	25.70	19.24	19.35	19.33	19.38	19.02	0.0	20.20
			36	18	25.47	25.15	25.24	25.32	24.99	0.0	25.70	19.46	19.27	19.25	19.29	18.98	0.0	20.20
			75	0	25.20	25.20	25.20	25.20	25.20	0.5	25.20	19.50	19.10	19.33	19.24	19.17	0.0	20.20
		QPSK	1	1	25.69	25.42	25.12	25.29	25.28	0.0	25.70	19.62	19.46	19.23	19.13	19.25	0.0	20.20
			1	38	25.47	25.37	25.28	25.14	25.00	0.0	25.70	19.45	19.23	19.12	19.29	18.99	0.0	20.20
			1	76	25.66	25.48	25.52	25.41	25.21	0.0	25.70	19.51	19.36	19.15	19.27	19.07	0.0	20.20
			36	18	25.49	25.23	25.26	25.20	25.00	0.0	25.70	19.40	19.19	19.20	19.28	19.08	0.0	20.20
			75	0	24.70	24.70	24.70	24.70	24.70	1.0	24.70	19.34	19.35	19.27	19.10	19.46	0.0	20.20
		16QAM	1	1	24.67	24.59	24.46	24.39	24.31	1.0	24.70	19.83	19.78	19.71	19.66	19.59	0.0	20.20
		64QAM	1	1	23.16	23.07	22.98	22.85	23.14	2.5	23.20	19.76	19.69	19.62	19.57	19.52	0.0	20.20
		256QAM	1	1	21.06	21.00	20.94	20.87	21.18	4.5	21.20	19.69	19.64	19.59	19.55	19.49	0.0	20.20
	CP-OFDM	QPSK	1	1	24.06	23.96	23.87	23.72	23.61	1.5	24.20	19.71	19.65	19.62	19.58	19.46	0.0	20.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					647334	651666	656000	660266	664666			647334	651666	656000	660266	664666		
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	25.70	25.50	25.46	25.62	25.17	0.0	25.70	19.61	19.43	19.38	19.48	19.33	0.0	20.20
			1	25	25.68	25.17	25.62	25.64	25.23	0.0	25.70	19.41	19.37	19.27	19.34	19.09	0.0	20.20
			1	49	25.67	25.64	25.21	25.50	24.99	0.0	25.70	19.53	19.19	19.46	19.49	19.10	0.0	20.20
			25	12	25.54	25.29	25.29	25.44	25.05	0.0	25.70	19.33	19.25	19.31	19.43	19.15	0.0	20.20
			50	0	25.20	25.12	25.16	25.20	25.20	0.5	25.20	18.90	19.28	19.16	19.12	19.34	0.0	20.20
		QPSK	1	1	25.70	25.42	25.43	25.33	25.31	0.0	25.70	19.41	19.12	19.44	19.11	18.90	0.0	20.20
			1	25	25.70	25.55	25.55	25.43	25.13	0.0	25.70	19.68	19.17	19.56	19.30	19.28	0.0	20.20
			1	49	25.60	25.19	25.48	25.61	25.19	0.0	25.70	19.57	19.54	19.51	19.35	19.16	0.0	20.20
			25	12	25.34	25.43	25.31	25.23	25.09	0.0	25.70	19.44	19.37	19.41	19.32	19.12	0.0	20.20
			50	0	24.66	24.65	24.70	24.68	24.70	1.0	24.70	19.62	19.45	19.51	19.40	19.34	0.0	20.20
		16QAM	1	1	24.68	24.61	24.54	24.48	24.41	1.0	24.70	19.82	19.78	19.72	19.66	19.57	0.0	20.20
		64QAM	1	1	23.18	23.07	22.96	23.18	23.06	2.5	23.20	19.76	19.69	19.62	19.57	19.52	0.0	20.20
		256QAM	1	1	21.11	21.03	20.91	21.11	21.04	4.5	21.20	19.67	19.64	19.58	19.55	19.51	0.0	20.20
	CP-OFDM	QPSK	1	1	24.06	23.98	23.89	23.75	23.62	1.5	24.20	19.76	19.71	19.62	19.60	19.59	0.0	20.20

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
100	DFS-s OFDM	PI/2 BPSK	1	1	17.34	0.0	17.70	18.80	0.0	19.20
			1	137	17.34	0.0	17.70	18.60	0.0	19.20
			1	271	17.31	0.0	17.70	18.45	0.0	19.20
			135	69	17.32	0.0	17.70	18.52	0.0	19.20
			270	0	17.20	0.0	17.70	18.50	0.0	19.20
		QPSK	1	1	17.06	0.0	17.70	18.79	0.0	19.20
			1	137	17.42	0.0	17.70	18.81	0.0	19.20
			1	271	17.42	0.0	17.70	18.45	0.0	19.20
			135	69	17.32	0.0	17.70	18.55	0.0	19.20
			270	0	17.20	0.0	17.70	18.51	0.0	19.20
		16QAM	1	1	17.20	0.0	17.70	18.60	0.0	19.20
		64QAM	1	1	17.69	0.0	17.70	18.55	0.0	19.20
		256QAM	1	1	17.39	0.0	17.70	18.54	0.0	19.20
	CP-OFDM	QPSK	1	1	17.45	0.0	17.70	18.59	0.0	19.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
90	DFS-s OFDM	PI/2 BPSK	1	1	17.32	0.0	17.70	18.88	0.0	19.20
			1	122	17.30	0.0	17.70	18.76	0.0	19.20
			1	243	17.10	0.0	17.70	18.53	0.0	19.20
			120	60	17.60	0.0	17.70	18.59	0.0	19.20
			243	0	17.20	0.0	17.70	18.63	0.0	19.20
		QPSK	1	1	17.42	0.0	17.70	18.80	0.0	19.20
			1	122	17.32	0.0	17.70	18.63	0.0	19.20
			1	243	17.22	0.0	17.70	18.50	0.0	19.20
			121	60	17.04	0.0	17.70	18.63	0.0	19.20
			243	0	16.17	0.0	17.70	18.61	0.0	19.20
		16QAM	1	1	17.18	0.0	17.70	18.82	0.0	19.20
		64QAM	1	1	17.53	0.0	17.70	18.74	0.0	19.20
		256QAM	1	1	17.46	0.0	17.70	18.60	0.0	19.20
	CP-OFDM	QPSK	1	1	17.45	0.0	17.70	18.57	0.0	19.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
80	DFS-s OFDM	PI/2 BPSK	1	1	17.14	0.0	17.70	18.74	0.0	19.20
			1	108	17.26	0.0	17.70	18.67	0.0	19.20
			1	215	16.98	0.0	17.70	18.51	0.0	19.20
			108	54	17.13	0.0	17.70	18.63	0.0	19.20
			216	0	17.00	0.0	17.70	18.74	0.0	19.20
		QPSK	1	1	17.19	0.0	17.70	18.75	0.0	19.20
			1	108	17.24	0.0	17.70	18.63	0.0	19.20
			1	215	16.98	0.0	17.70	18.51	0.0	19.20
			108	54	17.16	0.0	17.70	18.61	0.0	19.20
			216	0	16.70	0.0	17.70	18.91	0.0	19.20
		16QAM	1	1	16.52	0.0	17.70	18.56	0.0	19.20
		64QAM	1	1	17.37	0.0	17.70	18.54	0.0	19.20
		256QAM	1	1	17.36	0.0	17.70	18.54	0.0	19.20
	CP-OFDM	QPSK	1	1	17.25	0.0	17.70	18.86	0.0	19.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
70	DFS-s OFDM	PI/2 BPSK	1	1	17.20	0.0	17.70	18.71	0.0	19.20
			1	91	17.26	0.0	17.70	18.74	0.0	19.20
			1	187	17.20	0.0	17.70	18.52	0.0	19.20
			94	47	17.18	0.0	17.70	18.90	0.0	19.20
			180	0	17.00	0.0	17.70	18.79	0.0	19.20
		QPSK	1	1	17.21	0.0	17.70	18.72	0.0	19.20
			1	91	17.23	0.0	17.70	18.79	0.0	19.20
			1	187	17.15	0.0	17.70	18.60	0.0	19.20
			94	47	16.72	0.0	17.70	18.91	0.0	19.20
			180	0	16.72	0.0	17.70	18.98	0.0	19.20
		16QAM	1	1	17.08	0.0	17.70	18.60	0.0	19.20
		64QAM	1	1	17.27	0.0	17.70	18.55	0.0	19.20
		256QAM	1	1	17.34	0.0	17.70	18.54	0.0	19.20
	CP-OFDM	QPSK	1	1	16.83	0.0	17.70	18.59	0.0	19.20

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
60	DFS-s OFDM	PI/2 BPSK	1	1	17.08	0.0	17.70	18.91	0.0	19.20
			1	80	17.17	0.0	17.70	18.91	0.0	19.20
			1	160	17.13	0.0	17.70	18.89	0.0	19.20
			81	40	17.02	0.0	17.70	18.76	0.0	19.20
			162	0	17.00	0.0	17.70	18.87	0.0	19.20
		QPSK	1	1	17.07	0.0	17.70	18.87	0.0	19.20
			1	80	17.25	0.0	17.70	18.98	0.0	19.20
			1	160	17.15	0.0	17.70	18.93	0.0	19.20
			81	40	17.04	0.0	17.70	18.78	0.0	19.20
			162	0	16.21	0.0	17.70	18.85	0.0	19.20
		16QAM	1	1	16.55	0.0	17.70	18.55	0.0	19.20
		64QAM	1	1	17.43	0.0	17.70	18.55	0.0	19.20
		256QAM	1	1	16.60	0.0	17.70	18.55	0.0	19.20
	CP-OFDM	QPSK	1	1	17.15	0.0	17.70	18.55	0.0	19.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
50	DFS-s OFDM	PI/2 BPSK	1	1	17.04	0.0	17.70	18.60	0.0	19.20
			1	66	17.07	0.0	17.70	18.70	0.0	19.20
			1	131	17.09	0.0	17.70	18.85	0.0	19.20
			64	32	16.92	0.0	17.70	18.69	0.0	19.20
			128	0	16.97	0.0	17.70	18.74	0.0	19.20
		QPSK	1	1	17.00	0.0	17.70	18.79	0.0	19.20
			1	66	17.04	0.0	17.70	18.71	0.0	19.20
			1	131	17.10	0.0	17.70	18.85	0.0	19.20
			64	32	16.92	0.0	17.70	18.67	0.0	19.20
			128	0	16.23	0.0	17.70	18.87	0.0	19.20
		16QAM	1	1	17.02	0.0	17.70	18.55	0.0	19.20
		64QAM	1	1	17.38	0.0	17.70	18.70	0.0	19.20
		256QAM	1	1	16.70	0.0	17.70	18.71	0.0	19.20
	CP-OFDM	QPSK	1	1	16.92	0.0	17.70	18.75	0.0	19.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
40	DFS-s OFDM	PI/2 BPSK	1	1	17.26	0.0	17.70	18.75	0.0	19.20
			1	52	17.15	0.0	17.70	18.60	0.0	19.20
			1	104	17.27	0.0	17.70	18.86	0.0	19.20
			50	25	17.02	0.0	17.70	18.51	0.0	19.20
			100	0	17.00	0.0	17.70	18.74	0.0	19.20
		QPSK	1	1	17.25	0.0	17.70	18.78	0.0	19.20
			1	52	17.13	0.0	17.70	18.70	0.0	19.20
			1	104	17.30	0.0	17.70	18.87	0.0	19.20
			50	25	17.02	0.0	17.70	18.54	0.0	19.20
			100	0	16.25	0.0	17.70	18.88	0.0	19.20
		16QAM	1	1	16.99	0.0	17.70	18.58	0.0	19.20
		64QAM	1	1	16.95	0.0	17.70	18.98	0.0	19.20
		256QAM	1	1	17.15	0.0	17.70	18.93	0.0	19.20
	CP-OFDM	QPSK	1	1	17.23	0.0	17.70	18.84	0.0	19.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
30	DFS-s OFDM	PI/2 BPSK	1	1	17.25	0.0	17.70	18.85	0.0	19.20
			1	38	17.16	0.0	17.70	18.78	0.0	19.20
			1	76	17.27	0.0	17.70	18.92	0.0	19.20
			36	18	17.12	0.0	17.70	18.66	0.0	19.20
			75	0	16.93	0.0	17.70	18.86	0.0	19.20
		QPSK	1	1	17.27	0.0	17.70	18.84	0.0	19.20
			1	38	17.16	0.0	17.70	18.85	0.0	19.20
			1	76	17.28	0.0	17.70	18.89	0.0	19.20
			36	18	17.10	0.0	17.70	18.71	0.0	19.20
			75	0	16.13	0.0	17.70	18.70	0.0	19.20
		16QAM	1	1	16.59	0.0	17.70	18.88	0.0	19.20
		64QAM	1	1	16.90	0.0	17.70	18.86	0.0	19.20
		256QAM	1	1	17.36	0.0	17.70	18.64	0.0	19.20
	CP-OFDM	QPSK	1	1	17.03	0.0	17.70	18.74	0.0	19.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 630666 3459.99 MHz	633332 3499.98 MHz	635998 3539.97 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 630666 3459.99 MHz	633332 3499.98 MHz	635998 3539.97 MHz	MPR	Tune-up Limit
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	17.34	17.25	17.18	0.0	17.70	18.98	18.91	18.97	0.0	19.20
			1	25	17.34	17.30	17.19	0.0	17.70	18.85	18.85	18.88	0.0	19.20
			1	49	17.34	17.27	17.16	0.0	17.70	18.94	18.71	18.83	0.0	19.20
			25	12	17.25	17.18	17.04	0.0	17.70	18.69	18.70	18.68	0.0	19.20
			50	0	17.00	16.93	16.97	0.0	17.70	18.88	18.86	18.64	0.0	19.20
		QPSK	1	1	17.34	17.27	17.20	0.0	17.70	18.98	18.90	18.97	0.0	19.20
			1	25	17.32	17.29	17.15	0.0	17.70	18.93	18.80	18.86	0.0	19.20
			1	49	17.34	17.28	17.16	0.0	17.70	18.92	18.80	18.83	0.0	19.20
			25	12	17.22	17.16	17.03	0.0	17.70	18.70	18.67	18.69	0.0	19.20
			50	0	16.75	16.21	16.06	0.0	17.70	18.88	18.74	18.86	0.0	19.20
		16QAM	1	1	17.09	17.03	17.15	0.0	17.70	18.66	18.86	18.84	0.0	19.20
		64QAM	1	1	17.14	17.18	17.07	0.0	17.70	18.71	18.59	18.62	0.0	19.20
		256QAM	1	1	17.25	17.03	17.29	0.0	17.70	18.57	18.51	18.57	0.0	19.20
	CP-OFDM	QPSK	1	1	17.18	17.18	17.18	0.0	17.70	18.72	18.54	18.56	0.0	19.20

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
100	DFS-s OFDM	PI/2 BPSK	1	1	17.23	0.0	17.70	18.92	0.0	19.20
			1	137	17.41	0.0	17.70	18.97	0.0	19.20
			1	271	17.47	0.0	17.70	18.89	0.0	19.20
			135	69	17.20	0.0	17.70	18.78	0.0	19.20
			270	0	17.20	0.0	17.70	18.70	0.0	19.20
		QPSK	1	1	17.18	0.0	17.70	18.92	0.0	19.20
			1	137	17.47	0.0	17.70	18.97	0.0	19.20
			1	271	17.49	0.0	17.70	18.90	0.0	19.20
			135	69	17.42	0.0	17.70	18.82	0.0	19.20
			270	0	17.25	0.0	17.70	18.95	0.0	19.20
		16QAM	1	1	17.25	0.0	17.70	18.98	0.0	19.20
		64QAM	1	1	17.14	0.0	17.70	18.60	0.0	19.20
		256QAM	1	1	17.52	0.0	17.70	18.55	0.0	19.20
	CP-OFDM	QPSK	1	1	17.24	0.0	17.70	18.54	0.0	19.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
90	DFS-s OFDM	PI/2 BPSK	1	1	17.30	0.0	17.70	18.90	0.0	19.20
			1	122	17.30	0.0	17.70	18.95	0.0	19.20
			1	243	17.36	0.0	17.70	18.90	0.0	19.20
			120	60	16.85	0.0	17.70	18.84	0.0	19.20
			243	0	16.65	0.0	17.70	18.80	0.0	19.20
		QPSK	1	1	17.28	0.0	17.70	18.92	0.0	19.20
			1	122	17.34	0.0	17.70	18.93	0.0	19.20
			1	243	17.35	0.0	17.70	18.90	0.0	19.20
			120	60	16.86	0.0	17.70	18.85	0.0	19.20
			243	0	16.76	0.0	17.70	18.93	0.0	19.20
		16QAM	1	1	16.98	0.0	17.70	18.74	0.0	19.20
		64QAM	1	1	16.98	0.0	17.70	18.52	0.0	19.20
		256QAM	1	1	17.70	0.0	17.70	18.90	0.0	19.20
	CP-OFDM	QPSK	1	1	17.54	0.0	17.70	18.79	0.0	19.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
80	DFS-s OFDM	PI/2 BPSK	1	1	17.45	0.0	17.70	18.82	0.0	19.20
			1	108	17.50	0.0	17.70	18.89	0.0	19.20
			1	215	17.50	0.0	17.70	18.93	0.0	19.20
			108	54	17.42	0.0	17.70	18.79	0.0	19.20
			216	0	16.60	0.0	17.70	18.96	0.0	19.20
		QPSK	1	1	17.50	0.0	17.70	18.84	0.0	19.20
			1	108	17.52	0.0	17.70	18.90	0.0	19.20
			1	215	17.51	0.0	17.70	19.00	0.0	19.20
			108	54	17.43	0.0	17.70	18.80	0.0	19.20
			216	0	16.92	0.0	17.70	18.93	0.0	19.20
		16QAM	1	1	17.25	0.0	17.70	18.50	0.0	19.20
		64QAM	1	1	17.14	0.0	17.70	18.63	0.0	19.20
		256QAM	1	1	17.52	0.0	17.70	18.61	0.0	19.20
	CP-OFDM	QPSK	1	1	17.24	0.0	17.70	18.82	0.0	19.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
70	DFS-s OFDM	PI/2 BPSK	1	1	17.41	0.0	17.70	18.82	0.0	19.20
			1	91	17.53	0.0	17.70	18.88	0.0	19.20
			1	187	17.57	0.0	17.70	18.91	0.0	19.20
			90	45	16.82	0.0	17.70	18.80	0.0	19.20
			180	0	17.20	0.0	17.70	18.79	0.0	19.20
		QPSK	1	1	17.48	0.0	17.70	18.84	0.0	19.20
			1	91	17.58	0.0	17.70	18.92	0.0	19.20
			1	187	17.60	0.0	17.70	19.00	0.0	19.20
			90	45	16.82	0.0	17.70	18.84	0.0	19.20
			180	0	16.92	0.0	17.70	18.82	0.0	19.20
		16QAM	1	1	17.33	0.0	17.70	18.45	0.0	19.20
		64QAM	1	1	16.29	0.0	17.70	18.52	0.0	19.20
		256QAM	1	1	16.81	0.0	17.70	18.50	0.0	19.20
	CP-OFDM	QPSK	1	1	17.45	0.0	17.70	18.79	0.0	19.20

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NR Band 77 (Block C) Measured Results (ANT8) (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
							656000							656000				
							3840 MHz							3840 MHz				
60	DFS-s OFDM	PI/2 BPSK	1	1			17.42			0.0	17.70			18.84			0.0	19.20
			1	80			17.51			0.0	17.70			18.87			0.0	19.20
			1	160			17.51			0.0	17.70			18.94			0.0	19.20
			81	40			17.40			0.0	17.70			18.79			0.0	19.20
			162	0			17.10			0.0	17.70			18.71			0.0	19.20
		QPSK	1	1			17.43			0.0	17.70			18.84			0.0	19.20
			1	80			17.53			0.0	17.70			18.91			0.0	19.20
			1	160			17.54			0.0	17.70			18.99			0.0	19.20
			81	40			17.41			0.0	17.70			18.82			0.0	19.20
			162	0			16.89			0.0	17.70			18.57			0.0	19.20
		16QAM	1	1			17.13			0.0	17.70			18.56			0.0	19.20
		64QAM	1	1			16.17			0.0	17.70			18.77			0.0	19.20
		256QAM	1	1			17.67			0.0	17.70			18.60			0.0	19.20
	CP-OFDM	QPSK	1	1			17.62			0.0	17.70			18.57			0.0	19.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					648334	652166	656000	659834	663666			648334	652166	656000	659834	663666		
					3725.01 MHz	3782.49 MHz	3840 MHz	3897.51 MHz	3954.99 MHz			3725.01 MHz	3782.49 MHz	3840 MHz	3897.51 MHz	3954.99 MHz		
50	DFS-s OFDM	PI/2 BPSK	1	1	16.71	17.65	17.22	17.40	17.27	0.0	17.70	18.55	18.50	18.68	18.76	18.88	0.0	19.20
			1	66	16.75	17.14	17.47	17.40	17.25	0.0	17.70	18.57	18.56	18.71	18.72	18.56	0.0	19.20
			1	131	16.74	17.24	17.47	17.23	16.84	0.0	17.70	18.51	18.51	18.78	18.74	18.57	0.0	19.20
			64	32	16.70	16.93	17.39	17.38	17.16	0.0	17.70	18.51	18.55	18.65	18.71	18.55	0.0	19.20
			128	0	16.55	17.19	17.19	17.14	17.20	0.0	17.70	18.65	18.82	18.74	18.60	18.56	0.0	19.20
		QPSK	1	1	16.74	16.78	17.21	17.39	17.42	0.0	17.70	18.51	18.54	18.60	18.81	18.86	0.0	19.20
			1	66	16.74	17.15	17.50	17.39	17.22	0.0	17.70	18.57	18.59	18.71	18.73	18.56	0.0	19.20
			1	131	16.76	17.28	17.50	17.28	16.97	0.0	17.70	18.51	18.58	18.80	18.68	18.62	0.0	19.20
			64	32	16.70	16.96	17.39	17.37	17.14	0.0	17.70	18.63	18.56	18.69	18.70	18.55	0.0	19.20
			128	0	17.44	17.63	17.39	17.68	17.15	0.0	17.70	18.56	18.74	18.57	18.54	18.78	0.0	19.20
		16QAM	1	1	17.35	16.86	16.96	17.64	16.96	0.0	17.70	18.12	18.10	17.91	18.57	18.47	0.0	19.20
		64QAM	1	1	16.17	16.89	16.61	17.17	16.99	0.0	17.70	18.11	18.19	18.03	18.60	18.54	0.0	19.20
		256QAM	1	1	17.28	17.66	17.69	17.14	17.64	0.0	17.70	18.18	18.50	18.47	18.36	18.33	0.0	19.20
	CP-OFDM	QPSK	1	1	17.67	17.45	17.63	17.13	16.93	0.0	17.70	18.25	18.28	18.26	18.40	18.47	0.0	19.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					648000	652000	656000	660000	664000			648000	652000	656000	660000	664000		
					3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz		
40	DFS-s OFDM	PI/2 BPSK	1	1	17.30	17.41	17.44	17.45	17.22	0.0	17.70	18.67	18.65	18.77	18.81	18.56	0.0	19.20
			1	52	17.34	17.48	17.32	17.41	17.13	0.0	17.70	18.56	18.82	18.65	18.71	18.54	0.0	19.20
			1	104	17.51	17.37	17.28	17.46	17.23	0.0	17.70	18.77	18.74	18.78	18.56	18.57	0.0	19.20
			50	25	17.29	17.31	17.25	17.30	17.12	0.0	17.70	18.60	18.60	18.63	18.55	18.51	0.0	19.20
			100	0	16.68	17.15	17.18	16.96	16.93	0.0	17.70	18.57	18.57	18.57	18.57	18.71	0.0	19.20
		QPSK	1	1	17.29	17.39	17.38	17.44	17.31	0.0	17.70	18.60	18.60	18.60	18.60	18.57	0.0	19.20
			1	52	17.32	17.36	17.43	17.38	17.18	0.0	17.70	18.55	18.55	18.55	18.55	18.62	0.0	19.20
			1	104	17.54	17.48	17.38	17.48	17.39	0.0	17.70	18.54	18.54	18.54	18.54	18.56	0.0	19.20
			50	25	17.24	17.35	17.21	17.35	17.17	0.0	17.70	18.59	18.67	18.62	18.56	18.63	0.0	19.20
			100	0	17.30	17.67	17.44	17.68	17.48	0.0	17.70	18.65	18.41	18.27	18.51	18.55	0.0	19.20
		16QAM	1	1	17.15	17.57	17.21	17.47	17.42	0.0	17.70	18.85	18.85	18.88	18.92	18.80	0.0	19.20
		64QAM	1	1	16.75	16.58	16.58	16.83	16.52	0.0	17.70	18.94	18.71	18.83	18.70	18.67	0.0	19.20
		256QAM	1	1	17.45	17.56	17.62	17.32	17.26	0.0	17.70	18.69	18.70	18.68	18.88	18.74	0.0	19.20
	CP-OFDM	QPSK	1	1	17.33	17.29	17.28	17.24	17.44	0.0	17.70	18.88	18.86	18.64	18.66	18.86	0.0	19.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					647334	651666	656000	660266	664666			647334	651666	656000	660266	664666		
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
30	DFS-s OFDM	PI/2 BPSK	1	1	17.29	17.43	17.28	17.37	17.38	0.0	17.70	18.62	18.70	18.75	18.82	18.52	0.0	19.20
			1	38	17.35	17.50	17.30	17.31	17.22	0.0	17.70	18.59	18.75	18.67	18.74	18.58	0.0	19.20
			1	76	17.35	17.50	17.35	17.37	17.35	0.0	17.70	18.71	18.71	18.78	18.56	18.51	0.0	19.20
			36	18	17.26	17.41	17.26	17.28	17.13	0.0	17.70	18.57	18.60	18.55	18.54	18.59	0.0	19.20
			75	0	16.93	17.19	16.68	17.15	17.18	0.0	17.70	18.57	18.60	18.55	18.54	18.58	0.0	19.20
		QPSK	1	1	17.28	17.40	17.27	17.37	17.34	0.0	17.70	18.65	18.77	18.70	18.86	18.64	0.0	19.20
			1	38	17.37	17.45	17.30	17.36	17.25	0.0	17.70	18.60	18.77	18.71	18.78	18.58	0.0	19.20
			1	76	17.36	17.54	17.48	17.41	17.33	0.0	17.70	18.81	18.76	18.75	18.58	18.50	0.0	19.20
			36	18	17.25	17.31	17.27	17.26	17.11	0.0	17.70	18.61	18.64	18.60	18.53	18.50	0.0	19.20
			75	0	17.15	17.29	17.68	17.29	17.32	0.0	17.70	18.82	18.74	18.56	18.54	18.54	0.0	19.20
		16QAM	1	1	17.51	17.23	17.17	17.48	17.52	0.0	17.70	18.51	18.54	18.60	18.81	18.86	0.0	19.20
		64QAM	1	1	17.11	16.22	16.50	17.11	16.58	0.0	17.70	18.57	18.59	18.71	18.73	18.56	0.0	19.20
		256QAM	1	1	17.45	17.33	17.47	17.37	17.45	0.0	17.70	18.51	18.58	18.80	18.68	18.62	0.0	19.20
	CP-OFDM	QPSK	1	1	17.52	17.41	17.44	17.22	17.45	0.0	17.70	18.63	18.56	18.69	18.70	18.55	0.0	19.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					647334	651666	656000	660266	664666			647334	651666	656000	660266	664666		
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	17.32	17.44	17.44	17.29	17.13	0.0	17.70	18.61	18.73	18.60	18.62	18.60	0.0	19.20
			1	25	17.33	17.54	17.32	17.26	17.06	0.0	17.70	18.57	18.75	18.52	18.56	18.53	0.0	19.20
			1	49	17.30	17.53	17.35	17.03	17.15	0.0	17.70	18.65	18.72	18.54	18.54	18.52	0.0	19.20
			25	12	17.21	17.41	17.23	17.07	17.04	0.0	17.70	18.52	18.63	18.50	18.52	18.50	0.0	19.20
			50	0	17.15	17.17	17.16	17.20	17.16	0.0	17.70	18.45	18.38	18.50	18.50	18.54	0.0	19.20
		QPSK	1	1	17.43	17.46	17.36	17.27	17.15	0.0	17.70	18.63	18.71	18.59	18.62	18.52	0.0	19.20
			1	25	17.31	17.54	17.26	17.24	17.06	0.0	17.70	18.60	18.57	18.51	18.57	18.54	0.0	19.20
			1	49	17.40	17.53	17.36	17.06	17.15	0.0	17.70	18.74	18.72	18.54	18.56	18.52	0.0	19.20
			25	12	17.27	17.42	17.30	17.05	17.03	0.0	17.70	18.60	18.50	18.50	18.52	18.45	0.0	19.20
			50	0	17.41	17.39	17.40	17.45	17.54	0.0	17.70	18.54	18.54	18.86	18.78	18.58	0.0	19.20
		16QAM	1	1	17.09	17.24	17.01	17.25	17.60	0.0	17.70	18.77	18.74	18.78	18.56	18.57	0.0	19.20
		64QAM	1	1	17.13	16.25	16.59	16.75	16.51	0.0	17.70	18.60	18.60	18.63	18.55	18.51	0.0	19.20
		256QAM	1	1	17.60	17.35	17.42	17.69	17.51	0.0	17.70	18.57	18.57	18.57	18.57	18.71	0.0	19.20
	CP-OFDM	QPSK	1	1	17.59	17.56	17.51	17.12	17.34	0.0	17.70	18.60	18.60	18.60	18.60	18.57	0.0	19.20

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
100	DFS-s OFDM	PI/2 BPSK	1	1	25.00	0.0	25.70	18.00	0.0	18.70
			1	137	25.00	0.0	25.70	18.09	0.0	18.70
			1	271	24.77	0.0	25.70	17.79	0.0	18.70
			135	69	25.00	0.0	25.70	17.99	0.0	18.70
			270	0	24.99	0.5	25.20	17.71	0.0	18.70
		QPSK	1	1	25.02	0.0	25.70	18.26	0.0	18.70
			1	137	25.08	0.0	25.70	18.30	0.0	18.70
			1	271	24.75	0.0	25.70	18.10	0.0	18.70
			135	69	25.07	0.0	25.70	18.30	0.0	18.70
			270	0	24.33	1.0	24.70	18.23	0.0	18.70
		16QAM	1	1	24.00	1.0	24.70	18.15	0.0	18.70
		64QAM	1	1	23.14	2.5	23.20	18.10	0.0	18.70
		256QAM	1	1	21.15	4.5	21.20	18.10	0.0	18.70
	CP-OFDM	QPSK	1	1	24.13	1.5	24.20	18.05	0.0	18.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
90	DFS-s OFDM	PI/2 BPSK	1	1	25.00	0.0	25.70	18.00	0.0	18.70
			1	122	25.05	0.0	25.70	18.05	0.0	18.70
			1	243	24.70	0.0	25.70	17.71	0.0	18.70
			120	60	25.06	0.0	25.70	17.98	0.0	18.70
			243	0	25.13	0.5	25.20	17.89	0.0	18.70
		QPSK	1	1	25.00	0.0	25.70	18.25	0.0	18.70
			1	122	25.07	0.0	25.70	17.96	0.0	18.70
			1	243	24.71	0.0	25.70	17.79	0.0	18.70
			121	60	25.07	0.0	25.70	17.99	0.0	18.70
			243	0	24.70	1.0	24.70	18.00	0.0	18.70
		16QAM	1	1	24.52	1.0	24.70	18.18	0.0	18.70
		64QAM	1	1	23.12	2.5	23.20	18.15	0.0	18.70
		256QAM	1	1	21.16	4.5	21.20	18.10	0.0	18.70
	CP-OFDM	QPSK	1	1	24.20	1.5	24.20	18.05	0.0	18.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
80	DFS-s OFDM	PI/2 BPSK	1	1	25.01	0.0	25.70	17.90	0.0	18.70
			1	108	25.13	0.0	25.70	18.00	0.0	18.70
			1	215	24.73	0.0	25.70	17.71	0.0	18.70
			108	54	25.06	0.0	25.70	17.94	0.0	18.70
			216	0	24.73	0.5	25.20	17.71	0.0	18.70
		QPSK	1	1	25.01	0.0	25.70	18.17	0.0	18.70
			1	108	25.09	0.0	25.70	17.89	0.0	18.70
			1	215	24.72	0.0	25.70	17.80	0.0	18.70
			108	54	25.03	0.0	25.70	17.90	0.0	18.70
			216	0	24.60	1.0	24.70	17.89	0.0	18.70
		16QAM	1	1	24.53	1.0	24.70	18.16	0.0	18.70
		64QAM	1	1	23.12	2.5	23.20	18.15	0.0	18.70
		256QAM	1	1	21.18	4.5	21.20	18.12	0.0	18.70
	CP-OFDM	QPSK	1	1	24.15	1.5	24.20	18.04	0.0	18.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
70	DFS-s OFDM	PI/2 BPSK	1	1	25.08	0.0	25.70	18.17	0.0	18.70
			1	91	25.15	0.0	25.70	18.06	0.0	18.70
			1	187	24.87	0.0	25.70	17.74	0.0	18.70
			94	47	25.01	0.0	25.70	18.27	0.0	18.70
			180	0	24.85	0.5	25.20	17.91	0.0	18.70
		QPSK	1	1	24.76	0.0	25.70	18.12	0.0	18.70
			1	91	24.98	0.0	25.70	18.01	0.0	18.70
			1	187	24.79	0.0	25.70	17.71	0.0	18.70
			94	47	25.31	0.0	25.70	18.24	0.0	18.70
			180	0	24.62	1.0	24.70	18.13	0.0	18.70
		16QAM	1	1	24.54	1.0	24.70	18.11	0.0	18.70
		64QAM	1	1	23.14	2.5	23.20	18.07	0.0	18.70
		256QAM	1	1	21.18	4.5	21.20	18.00	0.0	18.70
	CP-OFDM	QPSK	1	1	24.16	1.5	24.20	18.02	0.0	18.70

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
60	DFS-s OFDM	PI/2 BPSK	1	1	25.03	0.0	25.70	18.13	0.0	18.70
			1	80	25.07	0.0	25.70	18.00	0.0	18.70
			1	160	24.76	0.0	25.70	17.72	0.0	18.70
			81	40	24.95	0.0	25.70	17.91	0.0	18.70
			162	0	24.99	0.5	25.20	17.71	0.0	18.70
		QPSK	1	1	25.03	0.0	25.70	17.95	0.0	18.70
			1	80	24.99	0.0	25.70	17.89	0.0	18.70
			1	160	24.76	0.0	25.70	17.72	0.0	18.70
			81	40	24.92	0.0	25.70	17.90	0.0	18.70
			162	0	24.70	1.0	24.70	17.80	0.0	18.70
		16QAM	1	1	24.51	1.0	24.70	17.94	0.0	18.70
		64QAM	1	1	23.14	2.5	23.20	17.86	0.0	18.70
		256QAM	1	1	21.18	4.5	21.20	17.83	0.0	18.70
	CP-OFDM	QPSK	1	1	24.13	1.5	24.20	17.93	0.0	18.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
50	DFS-s OFDM	PI/2 BPSK	1	1	25.06	0.0	25.70	17.92	0.0	18.70
			1	66	24.86	0.0	25.70	17.86	0.0	18.70
			1	131	24.71	0.0	25.70	17.70	0.0	18.70
			64	32	24.86	0.0	25.70	17.85	0.0	18.70
			128	0	24.70	0.5	25.20	17.72	0.0	18.70
		QPSK	1	1	24.99	0.0	25.70	17.95	0.0	18.70
			1	66	24.84	0.0	25.70	17.76	0.0	18.70
			1	131	24.73	0.0	25.70	17.76	0.0	18.70
			64	32	24.85	0.0	25.70	17.80	0.0	18.70
			128	0	24.66	1.0	24.70	17.72	0.0	18.70
		16QAM	1	1	24.49	1.0	24.70	17.94	0.0	18.70
		64QAM	1	1	23.14	2.5	23.20	17.85	0.0	18.70
		256QAM	1	1	21.10	4.5	21.20	17.83	0.0	18.70
	CP-OFDM	QPSK	1	1	24.15	1.5	24.20	17.92	0.0	18.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
40	DFS-s OFDM	PI/2 BPSK	1	1	25.01	0.0	25.70	18.03	0.0	18.70
			1	52	25.06	0.0	25.70	17.89	0.0	18.70
			1	104	24.95	0.0	25.70	17.77	0.0	18.70
			50	25	25.00	0.0	25.70	17.80	0.0	18.70
			100	0	24.70	0.5	25.20	17.71	0.0	18.70
		QPSK	1	1	25.09	0.0	25.70	17.93	0.0	18.70
			1	52	24.89	0.0	25.70	17.75	0.0	18.70
			1	104	24.97	0.0	25.70	17.73	0.0	18.70
			50	25	25.15	0.0	25.70	17.83	0.0	18.70
			100	0	24.70	1.0	24.70	17.89	0.0	18.70
		16QAM	1	1	24.48	1.0	24.70	17.95	0.0	18.70
		64QAM	1	1	23.10	2.5	23.20	17.86	0.0	18.70
		256QAM	1	1	21.07	4.5	21.20	17.83	0.0	18.70
	CP-OFDM	QPSK	1	1	24.14	1.5	24.20	17.91	0.0	18.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
30	DFS-s OFDM	PI/2 BPSK	1	1	25.00	0.0	25.70	18.07	0.0	18.70
			1	38	25.01	0.0	25.70	18.00	0.0	18.70
			1	76	24.98	0.0	25.70	18.12	0.0	18.70
			36	18	25.06	0.0	25.70	17.99	0.0	18.70
			75	0	24.64	0.5	25.20	17.93	0.0	18.70
		QPSK	1	1	24.90	0.0	25.70	18.07	0.0	18.70
			1	38	24.88	0.0	25.70	17.83	0.0	18.70
			1	76	24.91	0.0	25.70	17.88	0.0	18.70
			36	18	25.02	0.0	25.70	18.01	0.0	18.70
			75	0	24.66	1.0	24.70	17.74	0.0	18.70
		16QAM	1	1	24.46	1.0	24.70	17.98	0.0	18.70
		64QAM	1	1	23.10	2.5	23.20	17.84	0.0	18.70
		256QAM	1	1	21.05	4.5	21.20	17.78	0.0	18.70
	CP-OFDM	QPSK	1	1	24.20	1.5	24.20	17.90	0.0	18.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 630666 3459.99 MHz	633332 3499.98 MHz	635998 3539.97 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 630666 3459.99 MHz	633332 3499.98 MHz	635998 3539.97 MHz	MPR	Tune-up Limit
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	25.02	25.00	24.85	0.0	25.70	18.06	18.05	17.77	0.0	18.70
			1	25	24.93	25.05	24.68	0.0	25.70	17.99	18.09	17.74	0.0	18.70
			1	49	24.99	25.05	24.64	0.0	25.70	17.92	18.11	17.75	0.0	18.70
			25	12	24.88	25.13	24.70	0.0	25.70	17.91	18.05	17.86	0.0	18.70
			50	0	24.51	24.98	25.06	0.5	25.20	17.71	17.95	17.89	0.0	18.70
		QPSK	1	1	24.86	25.00	24.80	0.0	25.70	17.91	18.18	17.87	0.0	18.70
			1	25	24.80	25.09	24.76	0.0	25.70	17.78	17.88	17.38	0.0	18.70
			1	49	24.95	25.02	24.86	0.0	25.70	17.82	18.06	17.76	0.0	18.70
			25	12	24.87	25.14	24.76	0.0	25.70	17.90	18.09	17.66	0.0	18.70
			50	0	24.66	24.68	24.70	1.0	24.70	17.93	17.75	17.73	0.0	18.70
		16QAM	1	1	24.43	24.46	24.45	1.0	24.70	18.00	17.99	17.99	0.0	18.70
		64QAM	1	1	23.03	23.08	23.04	2.5	23.20	17.90	17.85	17.88	0.0	18.70
		256QAM	1	1	21.06	21.05	21.06	4.5	21.20	17.81	17.78	17.79	0.0	18.70
	CP-OFDM	QPSK	1	1	24.07	24.12	24.09	1.5	24.20	17.95	17.94	17.95	0.0	18.70

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
100	DFS-s OFDM	PI/2 BPSK	1	1	25.15	0.0	25.70	17.83	0.0	18.70
			1	137	25.20	0.0	25.70	17.98	0.0	18.70
			1	271	25.13	0.0	25.70	17.99	0.0	18.70
			135	69	25.19	0.0	25.70	18.10	0.0	18.70
			270	0	25.16	0.5	25.20	18.00	0.0	18.70
		QPSK	1	1	25.10	0.0	25.70	18.10	0.0	18.70
			1	137	25.31	0.0	25.70	18.15	0.0	18.70
			1	271	25.31	0.0	25.70	18.10	0.0	18.70
			135	69	25.19	0.0	25.70	18.13	0.0	18.70
			270	0	24.67	1.0	24.70	18.25	0.0	18.70
		16QAM	1	1	24.60	1.0	24.70	17.80	0.0	18.70
		64QAM	1	1	22.85	2.5	23.20	17.78	0.0	18.70
		256QAM	1	1	21.03	4.5	21.20	17.76	0.0	18.70
	CP-OFDM	QPSK	1	1	24.16	1.5	24.20	17.82	0.0	18.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
90	DFS-s OFDM	PI/2 BPSK	1	1	25.25	0.0	25.70	17.82	0.0	18.70
			1	122	25.27	0.0	25.70	17.82	0.0	18.70
			1	243	25.21	0.0	25.70	18.00	0.0	18.70
			120	60	25.27	0.0	25.70	17.96	0.0	18.70
			243	0	24.82	0.5	25.20	18.10	0.0	18.70
		QPSK	1	1	25.08	0.0	25.70	17.76	0.0	18.70
			1	122	25.21	0.0	25.70	18.10	0.0	18.70
			1	243	25.15	0.0	25.70	18.13	0.0	18.70
			120	60	25.24	0.0	25.70	17.97	0.0	18.70
			243	0	24.61	1.0	24.70	18.26	0.0	18.70
		16QAM	1	1	24.58	1.0	24.70	17.81	0.0	18.70
		64QAM	1	1	22.83	2.5	23.20	17.76	0.0	18.70
		256QAM	1	1	20.96	4.5	21.20	17.75	0.0	18.70
	CP-OFDM	QPSK	1	1	24.14	1.5	24.20	17.82	0.0	18.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
80	DFS-s OFDM	PI/2 BPSK	1	1	24.86	0.0	25.70	17.98	0.0	18.70
			1	108	25.01	0.0	25.70	17.97	0.0	18.70
			1	215	25.17	0.0	25.70	18.02	0.0	18.70
			108	54	25.17	0.0	25.70	18.11	0.0	18.70
			216	0	25.16	0.5	25.20	18.05	0.0	18.70
		QPSK	1	1	24.97	0.0	25.70	17.89	0.0	18.70
			1	108	25.28	0.0	25.70	18.26	0.0	18.70
			1	215	25.30	0.0	25.70	18.15	0.0	18.70
			108	54	25.18	0.0	25.70	18.11	0.0	18.70
			216	0	24.67	1.0	24.70	17.97	0.0	18.70
		16QAM	1	1	24.55	1.0	24.70	18.05	0.0	18.70
		64QAM	1	1	22.81	2.5	23.20	17.77	0.0	18.70
		256QAM	1	1	20.98	4.5	21.20	17.74	0.0	18.70
	CP-OFDM	QPSK	1	1	24.15	1.5	24.20	17.81	0.0	18.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
70	DFS-s OFDM	PI/2 BPSK	1	1	24.80	0.0	25.70	17.66	0.0	18.70
			1	91	25.27	0.0	25.70	17.89	0.0	18.70
			1	187	25.16	0.0	25.70	18.02	0.0	18.70
			90	45	25.17	0.0	25.70	17.96	0.0	18.70
			180	0	25.20	0.5	25.20	18.00	0.0	18.70
		QPSK	1	1	24.84	0.0	25.70	17.65	0.0	18.70
			1	91	25.24	0.0	25.70	18.05	0.0	18.70
			1	187	25.21	0.0	25.70	17.95	0.0	18.70
			90	45	25.07	0.0	25.70	17.97	0.0	18.70
			180	0	24.70	1.0	24.70	17.89	0.0	18.70
		16QAM	1	1	24.53	1.0	24.70	18.05	0.0	18.70
		64QAM	1	1	22.80	2.5	23.20	17.75	0.0	18.70
		256QAM	1	1	20.99	4.5	21.20	17.74	0.0	18.70
	CP-OFDM	QPSK	1	1	24.13	1.5	24.20	17.83	0.0	18.70

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
							656000							656000				
							3840 MHz							3840 MHz				
60	DFS-s OFDM	PI/2 BPSK	1	1			25.16			0.0	25.70			17.83			0.0	18.70
			1	80			25.32			0.0	25.70			18.13			0.0	18.70
			1	160			25.25			0.0	25.70			18.20			0.0	18.70
			81	40			25.18			0.0	25.70			18.12			0.0	18.70
			162	0			25.20			0.5	25.20			17.82			0.0	18.70
		QPSK	1	1			25.23			0.0	25.70			17.89			0.0	18.70
			1	80			25.30			0.0	25.70			18.08			0.0	18.70
			1	160			25.30			0.0	25.70			18.22			0.0	18.70
			81	40			25.21			0.0	25.70			18.10			0.0	18.70
			162	0			24.70			1.0	24.70			17.85			0.0	18.70
		16QAM	1	1			24.51			1.0	24.70			17.89			0.0	18.70
		64QAM	1	1			22.79			2.5	23.20			17.76			0.0	18.70
		256QAM	1	1			21.00			4.5	21.20			17.75			0.0	18.70
	CP-OFDM	QPSK	1	1			24.10			1.5	24.20			17.82			0.0	18.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					648334	652166	656000	659834	663666			648334	652166	656000	659834	663666		
					3725.01 MHz	3782.49 MHz	3840 MHz	3897.51 MHz	3954.99 MHz			3725.01 MHz	3782.49 MHz	3840 MHz	3897.51 MHz	3954.99 MHz		
50	DFS-s OFDM	PI/2 BPSK	1	1	25.11	25.13	25.17	25.09	25.00	0.0	25.70	17.73	17.88	17.88	18.09	17.90	0.0	18.70
			1	66	25.10	25.11	25.20	25.24	24.91	0.0	25.70	17.62	18.00	18.21	18.19	17.81	0.0	18.70
			1	131	25.14	25.23	25.15	25.25	25.15	0.0	25.70	17.60	17.93	18.19	17.97	17.61	0.0	18.70
			64	32	25.00	25.08	25.18	25.14	25.06	0.0	25.70	17.78	17.92	18.08	17.83	17.82	0.0	18.70
			128	0	25.05	25.20	25.18	25.07	25.20	0.5	25.20	18.20	18.12	17.82	17.89	18.08	0.0	18.70
		QPSK	1	1	25.27	25.13	25.24	25.07	25.10	0.0	25.70	17.85	17.76	17.86	17.50	17.93	0.0	18.70
			1	66	24.97	25.07	25.29	25.34	24.98	0.0	25.70	17.82	17.87	18.24	17.84	17.66	0.0	18.70
			1	131	24.94	25.11	25.21	25.10	25.01	0.0	25.70	17.76	17.85	18.13	18.00	17.68	0.0	18.70
			64	32	25.03	25.06	25.13	25.14	25.09	0.0	25.70	17.81	17.87	18.13	17.83	17.75	0.0	18.70
			128	0	24.63	24.66	24.70	24.69	24.61	1.0	24.70	17.66	17.89	18.02	17.96	18.19	0.0	18.70
		16QAM	1	1	24.47	24.49	24.51	24.53	24.51	1.0	24.70	18.01	17.99	17.95	18.00	18.10	0.0	18.70
		64QAM	1	1	22.74	22.75	22.79	22.77	22.77	2.5	23.20	17.86	17.86	17.86	17.85	17.84	0.0	18.70
		256QAM	1	1	20.98	21.00	21.00	21.01	21.02	4.5	21.20	17.82	17.80	17.80	17.82	17.80	0.0	18.70
	CP-OFDM	QPSK	1	1	24.09	24.13	24.10	24.10	24.12	1.5	24.20	17.93	17.95	17.96	17.96	17.94	0.0	18.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					648000	652000	656000	660000	664000			648000	652000	656000	660000	664000		
					3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz		
40	DFS-s OFDM	PI/2 BPSK	1	1	25.21	25.25	25.14	25.06	25.10	0.0	25.70	17.81	18.00	18.08	17.86	18.19	0.0	18.70
			1	52	25.34	25.05	25.25	25.17	25.15	0.0	25.70	18.19	17.92	18.16	17.95	17.90	0.0	18.70
			1	104	25.31	25.23	25.12	25.16	25.15	0.0	25.70	18.11	18.18	18.17	18.24	17.86	0.0	18.70
			50	25	25.17	25.18	25.18	25.25	25.21	0.0	25.70	18.00	17.88	17.97	18.09	17.86	0.0	18.70
			100	0	25.13	25.07	25.11	25.06	25.20	0.5	25.20	17.82	17.82	18.00	17.96	18.10	0.0	18.70
		QPSK	1	1	25.00	25.27	25.20	25.29	25.10	0.0	25.70	17.86	17.91	18.09	17.96	17.91	0.0	18.70
			1	52	25.09	25.26	25.23	25.24	25.22	0.0	25.70	17.94	17.87	18.06	18.16	18.19	0.0	18.70
			1	104	25.26	25.16	25.25	25.21	25.23	0.0	25.70	18.09	18.02	18.20	18.12	18.20	0.0	18.70
			50	25	25.20	25.09	25.24	25.21	25.13	0.0	25.70	18.00	17.97	18.10	18.11	18.04	0.0	18.70
			100	0	24.70	24.70	24.70	24.70	24.70	1.0	24.70	18.00	17.93	17.92	18.12	17.76	0.0	18.70
		16QAM	1	1	24.46	24.47	24.48	24.50	24.50	1.0	24.70	18.00	18.02	17.95	18.01	18.12	0.0	18.70
		64QAM	1	1	22.74	22.75	22.76	22.78	22.75	2.5	23.20	17.85	17.86	17.84	17.83	17.84	0.0	18.70
		256QAM	1	1	20.99	21.01	21.00	21.03	21.03	4.5	21.20	17.81	17.82	17.82	17.82	17.83	0.0	18.70
	CP-OFDM	QPSK	1	1	24.05	24.16	24.14	24.13	24.13	1.5	24.20	17.96	17.95	17.98	17.94	17.94	0.0	18.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					647334	651666	656000	660266	664666			647334	651666	656000	660266	664666		
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
30	DFS-s OFDM	PI/2 BPSK	1	1	24.97	24.95	25.28	25.25	25.28	0.0	25.70	17.97	17.79	17.90	18.01	18.00	0.0	18.70
			1	38	25.02	25.05	25.06	25.25	25.02	0.0	25.70	17.61	17.77	17.91	18.04	17.92	0.0	18.70
			1	76	25.18	25.13	25.00	25.12	25.01	0.0	25.70	17.83	18.00	17.98	18.00	17.75	0.0	18.70
			36	18	25.07	24.99	25.27	25.20	24.98	0.0	25.70	17.68	17.75	17.78	18.03	17.86	0.0	18.70
			75	0	25.20	25.09	25.20	25.20	24.84	0.5	25.20	17.90	17.81	17.61	17.82	17.96	0.0	18.70
		QPSK	1	1	25.25	24.97	25.29	25.21	25.24	0.0	25.70	17.76	17.70	17.92	17.89	17.99	0.0	18.70
			1	38	25.09	25.11	25.30	25.21	24.87	0.0	25.70	17.87	17.79	17.84	18.04	17.83	0.0	18.70
			1	76	25.30	25.12	25.21	25.10	24.96	0.0	25.70	17.90	17.84	17.99	18.21	17.79	0.0	18.70
			36	18	25.12	24.99	25.15	25.27	24.97	0.0	25.70	17.63	17.73	17.83	18.02	17.80	0.0	18.70
			75	0	24.67	24.70	24.66	24.65	24.69	1.0	24.70	17.69	17.90	17.85	17.75	17.50	0.0	18.70
		16QAM	1	1	24.45	24.46	24.47	24.49	24.49	1.0	24.70	17.94	17.96	17.89	17.95	18.06	0.0	18.70
		64QAM	1	1	22.73	22.74	22.75	22.77	22.74	2.5	23.20	17.79	17.80	17.78	17.77	17.78	0.0	18.70
		256QAM	1	1	20.98	21.00	20.99	21.02	21.02	4.5	21.20	17.75	17.76	17.76	17.76	17.77	0.0	18.70
	CP-OFDM	QPSK	1	1	24.04	24.15	24.13	24.12	24.12	1.5	24.20	17.90	17.89	17.92	17.88	17.88	0.0	18.70

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					647334	651666	656000	660266	664666			647334	651666	656000	660266	664666		
					3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz			3710.01 MHz	3774.99 MHz	3840 MHz	3903.99 MHz	3969.99 MHz		
20	DFS-s OFDM	PI/2 BPSK	1	1	25.30	25.16	24.00	25.19	25.12	0.0	25.70	18.07	18.00	17.85	17.69	17.74	0.0	18.70
			1	25	25.15	24.83	25.15	25.09	24.85	0.0	25.70	18.17	17.95	17.81	17.90	17.70	0.0	18.70
			1	49	24.89	25.19	25.10	25.28	24.75	0.0	25.70	18.01	17.89	17.86	17.85	17.50	0.0	18.70
			25	12	25.04	24.99	25.22	24.93	24.90	0.0	25.70	17.84	18.12	17.73	17.75	17.38	0.0	18.70
			50	0	25.02	25.01	24.98	24.84	25.20	0.5	25.20	17.91	18.19	18.20	18.04	17.76	0.0	18.70
		QPSK	1	1	25.12	25.18	25.26	24.99	24.84	0.0	25.70	18.11	17.85	17.83	17.86	17.51	0.0	18.70
			1	25	25.04	25.02	25.26	24.88	24.64	0.0	25.70	17.82	18.12	17.93	17.87	17.41	0.0	18.70
			1	49	25.16	25.26	24.90	25.21	24.85	0.0	25.70	18.04	18.17	17.81	17.67	17.46	0.0	18.70
			25	12	25.02	25.22	25.08	24.89	24.82	0.0	25.70	17.75	17.90	17.87	17.80	17.38	0.0	18.70
			50	0	24.70	24.70	24.70	24.70	24.70	1.0	24.70	18.00	17.75	17.81	17.70	17.79	0.0	18.70
		16QAM	1	1	24.41	24.42	24.43	24.45	24.45	1.0	24.70	17.70	17.75	17.65	17.70	17.84	0.0	18.70
		64QAM	1	1	22.69	22.70	22.71	22.73	22.70	2.5	23.20	17.75	17.76	17.74	17.73	17.74	0.0	18.70
		256QAM	1	1	20.94	20.96	20.95	20.98	20.98	4.5	21.20	17.71	17.72	17.72	17.72	17.73	0.0	18.70
	CP-OFDM	QPSK	1	1	24.20	24.11	24.09	24.08	24.08	1.5	24.20	17.86	17.85	17.86	17.84	17.84	0.0	18.70

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
100	DFS-s OFDM	PI/2 BPSK	1	1	19.51	0.0	19.70	17.85	0.0	18.50
			1	137	19.53	0.0	19.70	17.93	0.0	18.50
			1	271	19.42	0.0	19.70	17.78	0.0	18.50
			135	69	19.47	0.0	19.70	17.80	0.0	18.50
			270	0	19.61	0.0	19.70	17.50	0.0	18.50
		QPSK	1	1	19.43	0.0	19.70	17.93	0.0	18.50
			1	137	19.54	0.0	19.70	18.01	0.0	18.50
			1	271	19.55	0.0	19.70	17.85	0.0	18.50
			135	69	19.49	0.0	19.70	17.83	0.0	18.50
			270	0	19.61	0.0	19.70	17.83	0.0	18.50
		16QAM	1	1	19.13	0.0	19.70	17.83	0.0	18.50
		64QAM	1	1	19.07	0.0	19.70	17.78	0.0	18.50
		256QAM	1	1	19.46	0.2	19.50	17.54	0.0	18.50
	CP-OFDM	QPSK	1	1	19.11	0.0	19.70	17.68	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
90	DFS-s OFDM	PI/2 BPSK	1	1	19.60	0.0	19.70	17.71	0.0	18.50
			1	122	19.53	0.0	19.70	17.89	0.0	18.50
			1	243	19.49	0.0	19.70	17.83	0.0	18.50
			120	60	19.55	0.0	19.70	17.86	0.0	18.50
			243	0	19.65	0.0	19.70	17.51	0.0	18.50
		QPSK	1	1	19.47	0.0	19.70	17.70	0.0	18.50
			1	122	19.54	0.0	19.70	17.80	0.0	18.50
			1	243	19.55	0.0	19.70	17.73	0.0	18.50
			121	60	19.55	0.0	19.70	17.85	0.0	18.50
			243	0	19.55	0.0	19.70	17.84	0.0	18.50
		16QAM	1	1	19.15	0.0	19.70	17.77	0.0	18.50
		64QAM	1	1	19.09	0.0	19.70	17.69	0.0	18.50
		256QAM	1	1	19.48	0.2	19.50	17.52	0.0	18.50
	CP-OFDM	QPSK	1	1	19.04	0.0	19.70	17.74	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
80	DFS-s OFDM	PI/2 BPSK	1	1	19.51	0.0	19.70	17.84	0.0	18.50
			1	108	19.53	0.0	19.70	17.79	0.0	18.50
			1	215	19.39	0.0	19.70	17.78	0.0	18.50
			108	54	19.50	0.0	19.70	17.73	0.0	18.50
			216	0	19.32	0.0	19.70	17.56	0.0	18.50
		QPSK	1	1	19.56	0.0	19.70	17.77	0.0	18.50
			1	108	19.48	0.0	19.70	17.81	0.0	18.50
			1	215	19.49	0.0	19.70	17.76	0.0	18.50
			108	54	19.52	0.0	19.70	17.77	0.0	18.50
			216	0	19.52	0.0	19.70	17.78	0.0	18.50
		16QAM	1	1	19.18	0.0	19.70	17.73	0.0	18.50
		64QAM	1	1	19.19	0.0	19.70	17.67	0.0	18.50
		256QAM	1	1	19.44	0.2	19.50	17.63	0.0	18.50
	CP-OFDM	QPSK	1	1	19.02	0.0	19.70	17.70	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
70	DFS-s OFDM	PI/2 BPSK	1	1	19.52	0.0	19.70	17.74	0.0	18.50
			1	91	19.48	0.0	19.70	17.83	0.0	18.50
			1	187	19.53	0.0	19.70	17.83	0.0	18.50
			94	47	19.59	0.0	19.70	18.12	0.0	18.50
			180	0	19.35	0.0	19.70	17.56	0.0	18.50
		QPSK	1	1	19.56	0.0	19.70	17.77	0.0	18.50
			1	91	19.47	0.0	19.70	17.79	0.0	18.50
			1	187	19.55	0.0	19.70	17.83	0.0	18.50
			94	47	19.60	0.0	19.70	17.77	0.0	18.50
			180	0	19.57	0.0	19.70	17.80	0.0	18.50
		16QAM	1	1	18.90	0.0	19.70	17.74	0.0	18.50
		64QAM	1	1	18.84	0.0	19.70	17.58	0.0	18.50
		256QAM	1	1	19.25	0.2	19.50	17.41	0.0	18.50
	CP-OFDM	QPSK	1	1	19.13	0.0	19.70	17.68	0.0	18.50

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
60	DFS-s OFDM	PI/2 BPSK	1	1	19.52	0.0	19.70	17.82	0.0	18.50
			1	80	19.51	0.0	19.70	17.91	0.0	18.50
			1	160	19.50	0.0	19.70	17.86	0.0	18.50
			81	40	19.52	0.0	19.70	17.81	0.0	18.50
			162	0	19.33	0.0	19.70	17.50	0.0	18.50
		QPSK	1	1	19.55	0.0	19.70	17.80	0.0	18.50
			1	80	19.55	0.0	19.70	17.81	0.0	18.50
			1	160	19.56	0.0	19.70	17.88	0.0	18.50
			81	40	19.60	0.0	19.70	17.87	0.0	18.50
			162	0	19.56	0.0	19.70	17.82	0.0	18.50
		16QAM	1	1	18.75	0.0	19.70	17.79	0.0	18.50
		64QAM	1	1	18.73	0.0	19.70	17.51	0.0	18.50
		256QAM	1	1	19.28	0.2	19.50	17.43	0.0	18.50
	CP-OFDM	QPSK	1	1	19.11	0.0	19.70	17.74	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
50	DFS-s OFDM	PI/2 BPSK	1	1	19.50	0.0	19.70	17.77	0.0	18.50
			1	66	19.54	0.0	19.70	17.81	0.0	18.50
			1	131	19.56	0.0	19.70	17.83	0.0	18.50
			64	32	19.54	0.0	19.70	17.80	0.0	18.50
			128	0	19.21	0.0	19.70	17.50	0.0	18.50
		QPSK	1	1	19.47	0.0	19.70	17.77	0.0	18.50
			1	66	19.50	0.0	19.70	17.77	0.0	18.50
			1	131	19.51	0.0	19.70	17.78	0.0	18.50
			64	32	19.50	0.0	19.70	17.81	0.0	18.50
			128	0	19.53	0.0	19.70	17.83	0.0	18.50
		16QAM	1	1	18.97	0.0	19.70	17.87	0.0	18.50
		64QAM	1	1	18.86	0.0	19.70	17.78	0.0	18.50
		256QAM	1	1	19.41	0.2	19.50	17.54	0.0	18.50
	CP-OFDM	QPSK	1	1	19.02	0.0	19.70	17.65	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
40	DFS-s OFDM	PI/2 BPSK	1	1	19.50	0.0	19.70	17.80	0.0	18.50
			1	52	19.50	0.0	19.70	17.79	0.0	18.50
			1	104	19.52	0.0	19.70	17.85	0.0	18.50
			50	25	19.50	0.0	19.70	17.79	0.0	18.50
			100	0	19.35	0.0	19.70	17.62	0.0	18.50
		QPSK	1	1	19.53	0.0	19.70	17.85	0.0	18.50
			1	52	19.45	0.0	19.70	17.77	0.0	18.50
			1	104	19.54	0.0	19.70	17.84	0.0	18.50
			50	25	19.50	0.0	19.70	17.84	0.0	18.50
			100	0	19.50	0.0	19.70	17.84	0.0	18.50
		16QAM	1	1	18.97	0.0	19.70	17.54	0.0	18.50
		64QAM	1	1	18.86	0.0	19.70	17.48	0.0	18.50
		256QAM	1	1	19.47	0.2	19.50	17.45	0.0	18.50
	CP-OFDM	QPSK	1	1	18.86	0.0	19.70	17.69	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 633332 3499.98 MHz	MPR	Tune-up Limit
30	DFS-s OFDM	PI/2 BPSK	1	1	19.48	0.0	19.70	17.85	0.0	18.50
			1	38	19.55	0.0	19.70	17.86	0.0	18.50
			1	76	19.56	0.0	19.70	17.88	0.0	18.50
			36	18	19.50	0.0	19.70	17.89	0.0	18.50
			75	0	19.38	0.0	19.70	17.55	0.0	18.50
		QPSK	1	1	19.47	0.0	19.70	17.79	0.0	18.50
			1	38	19.50	0.0	19.70	17.83	0.0	18.50
			1	76	19.55	0.0	19.70	17.81	0.0	18.50
			36	18	19.48	0.0	19.70	17.83	0.0	18.50
			75	0	19.51	0.0	19.70	17.84	0.0	18.50
		16QAM	1	1	18.97	0.0	19.70	17.63	0.0	18.50
		64QAM	1	1	18.84	0.0	19.70	17.52	0.0	18.50
		256QAM	1	1	19.33	0.2	19.50	17.46	0.0	18.50
	CP-OFDM	QPSK	1	1	18.84	0.0	19.70	17.65	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm) 630666 3459.99 MHz	633332 3499.98 MHz	635998 3539.97 MHz	MPR	Tune-up Limit	Power Mode B (dBm) 630666 3459.99 MHz	633332 3499.98 MHz	635998 3539.97 MHz	MPR	Tune-up Limit
20 MHz	DFS-s OFDM	PI/2 BPSK	1	1	19.53	19.50	19.49	0.0	19.70	17.81	17.81	17.83	0.0	18.50
			1	25	19.52	19.51	19.55	0.0	19.70	17.85	17.80	17.78	0.0	18.50
			1	49	19.55	19.52	19.48	0.0	19.70	17.77	17.85	17.75	0.0	18.50
			25	12	19.50	19.54	19.49	0.0	19.70	17.78	17.75	17.80	0.0	18.50
			50	0	19.47	19.32	19.43	0.0	19.70	17.75	17.66	17.80	0.0	18.50
		QPSK	1	1	19.54	19.56	19.50	0.0	19.70	17.84	17.76	17.79	0.0	18.50
			1	25	19.48	19.52	19.46	0.0	19.70	17.84	17.77	17.84	0.0	18.50
			1	49	19.51	19.55	19.54	0.0	19.70	17.76	17.82	17.79	0.0	18.50
			25	12	19.52	19.49	19.52	0.0	19.70	17.79	17.77	17.78	0.0	18.50
			50	0	19.51	19.43	19.50	0.0	19.70	17.84	17.83	17.80	0.0	18.50
		16QAM	1	1	19.38	19.38	19.46	0.0	19.70	17.88	17.54	17.69	0.0	18.50
		64QAM	1	1	19.44	19.43	19.49	0.0	19.70	17.74	17.67	17.57	0.0	18.50
		256QAM	1	1	19.30	19.18	19.08	0.2	19.50	17.58	17.49	17.44	0.0	18.50
	CP-OFDM	QPSK	1	1	19.23	19.27	19.44	0.0	19.70	17.67	17.66	17.53	0.0	18.50

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
100	DFS-s OFDM	PI/2 BPSK	1	1	19.43	0.0	19.70	17.74	0.0	18.50
			1	137	19.45	0.0	19.70	17.88	0.0	18.50
			1	271	19.44	0.0	19.70	17.75	0.0	18.50
			135	69	19.45	0.0	19.70	17.82	0.0	18.50
			270	0	19.58	0.0	19.70	17.83	0.0	18.50
		QPSK	1	1	19.53	0.0	19.70	17.83	0.0	18.50
			1	137	19.51	0.0	19.70	17.90	0.0	18.50
			1	271	19.42	0.0	19.70	17.75	0.0	18.50
			135	69	19.47	0.0	19.70	17.86	0.0	18.50
			270	0	19.60	0.0	19.70	17.85	0.0	18.50
		16QAM	1	1	19.36	0.0	19.70	17.63	0.0	18.50
		64QAM	1	1	19.37	0.0	19.70	17.58	0.0	18.50
		256QAM	1	1	19.20	0.2	19.50	17.46	0.0	18.50
	CP-OFDM	QPSK	1	1	19.32	0.0	19.70	17.66	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
90	DFS-s OFDM	PI/2 BPSK	1	1	19.27	0.0	19.70	17.53	0.0	18.50
			1	122	19.14	0.0	19.70	17.59	0.0	18.50
			1	243	19.17	0.0	19.70	17.45	0.0	18.50
			120	60	19.24	0.0	19.70	17.80	0.0	18.50
			243	0	19.39	0.0	19.70	17.53	0.0	18.50
		QPSK	1	1	19.25	0.0	19.70	17.55	0.0	18.50
			1	122	19.24	0.0	19.70	17.46	0.0	18.50
			1	243	19.13	0.0	19.70	17.44	0.0	18.50
			120	60	19.23	0.0	19.70	17.79	0.0	18.50
			243	0	19.20	0.0	19.70	17.65	0.0	18.50
		16QAM	1	1	19.08	0.0	19.70	17.58	0.0	18.50
		64QAM	1	1	19.01	0.0	19.70	17.37	0.0	18.50
		256QAM	1	1	18.89	0.2	19.50	17.22	0.0	18.50
	CP-OFDM	QPSK	1	1	19.07	0.0	19.70	17.39	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
80	DFS-s OFDM	PI/2 BPSK	1	1	19.12	0.0	19.70	17.52	0.0	18.50
			1	108	19.16	0.0	19.70	17.55	0.0	18.50
			1	215	19.24	0.0	19.70	17.55	0.0	18.50
			108	54	19.14	0.0	19.70	17.49	0.0	18.50
			216	0	19.31	0.0	19.70	17.60	0.0	18.50
		QPSK	1	1	19.27	0.0	19.70	17.45	0.0	18.50
			1	108	19.29	0.0	19.70	17.50	0.0	18.50
			1	215	19.10	0.0	19.70	17.43	0.0	18.50
			108	54	19.19	0.0	19.70	17.52	0.0	18.50
			216	0	19.15	0.0	19.70	17.53	0.0	18.50
		16QAM	1	1	19.08	0.0	19.70	17.84	0.0	18.50
		64QAM	1	1	19.07	0.0	19.70	17.72	0.0	18.50
		256QAM	1	1	18.84	0.2	19.50	17.54	0.0	18.50
	CP-OFDM	QPSK	1	1	19.07	0.0	19.70	17.67	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)			Power Mode B (dBm)		
					656000	MPR	Tune-up Limit	656000	MPR	Tune-up Limit
					3840 MHz			3840 MHz		
70	DFS-s OFDM	PI/2 BPSK	1	1	19.29	0.0	19.70	17.51	0.0	18.50
			1	91	19.17	0.0	19.70	17.56	0.0	18.50
			1	187	19.23	0.0	19.70	17.52	0.0	18.50
			90	45	19.19	0.0	19.70	17.78	0.0	18.50
			180	0	19.32	0.0	19.70	17.57	0.0	18.50
		QPSK	1	1	19.28	0.0	19.70	17.55	0.0	18.50
			1	91	19.14	0.0	19.70	17.47	0.0	18.50
			1	187	19.18	0.0	19.70	17.43	0.0	18.50
			90	45	19.24	0.0	19.70	17.78	0.0	18.50
			180	0	19.24	0.0	19.70	17.55	0.0	18.50
		16QAM	1	1	19.04	0.0	19.70	17.77	0.0	18.50
		64QAM	1	1	19.06	0.0	19.70	17.63	0.0	18.50
		256QAM	1	1	18.83	0.2	19.50	17.58	0.0	18.50
	CP-OFDM	QPSK	1	1	19.05	0.0	19.70	17.69	0.0	18.50

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
							656000							656000				
							3840 MHz							3840 MHz				
60	DFS-s OFDM	PI/2 BPSK	1	1			19.08			0.0	19.70			17.53			0.0	18.50
			1	80			19.30			0.0	19.70			17.57			0.0	18.50
			1	160			19.37			0.0	19.70			17.58			0.0	18.50
			81	40			19.15			0.0	19.70			17.48			0.0	18.50
			162	0			19.12			0.0	19.70			17.27			0.0	18.50
		QPSK	1	1			19.08			0.0	19.70			17.52			0.0	18.50
			1	80			19.30			0.0	19.70			17.55			0.0	18.50
			1	160			19.40			0.0	19.70			17.54			0.0	18.50
			81	40			19.14			0.0	19.70			17.46			0.0	18.50
			162	0			19.16			0.0	19.70			17.50			0.0	18.50
		16QAM	1	1			19.06			0.0	19.70			17.76			0.0	18.50
		64QAM	1	1			19.08			0.0	19.70			17.58			0.0	18.50
		256QAM	1	1			18.87			0.2	19.50			17.37			0.0	18.50
	CP-OFDM	QPSK	1	1			18.98			0.0	19.70			17.63			0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					648334	652166	656000	659834	663666			648334	652166	656000	659834	663666		
					3725.01 MHz	3782.49 MHz	3840 MHz	3897.51 MHz	3954.99 MHz			3725.01 MHz	3782.49 MHz	3840 MHz	3897.51 MHz	3954.99 MHz		
50	DFS-s OFDM	PI/2 BPSK	1	1	19.03	19.03	19.04	19.22	19.16	0.0	19.70	17.48	17.48	17.46	17.64	17.58	0.0	18.50
			1	66	19.00	19.34	19.09	19.14	19.05	0.0	19.70	17.42	17.76	17.51	17.54	17.43	0.0	18.50
			1	131	19.05	19.37	19.12	19.10	19.05	0.0	19.70	17.47	17.89	17.54	17.52	17.45	0.0	18.50
			64	32	18.95	19.00	19.06	19.12	19.00	0.0	19.70	17.39	17.46	17.48	17.54	17.42	0.0	18.50
			128	0	19.24	19.17	19.17	19.17	19.12	0.0	19.70	17.66	17.68	17.68	17.57	17.45	0.0	18.50
		QPSK	1	1	19.04	19.08	19.06	19.22	19.16	0.0	19.70	17.48	17.50	17.48	17.64	17.58	0.0	18.50
			1	66	19.05	19.34	19.09	19.18	19.10	0.0	19.70	17.47	17.76	17.51	17.60	17.52	0.0	18.50
			1	131	19.06	19.38	19.12	19.13	19.08	0.0	19.70	17.48	17.80	17.54	17.55	17.50	0.0	18.50
			64	32	18.94	19.02	19.04	19.12	19.05	0.0	19.70	17.40	17.44	17.46	17.54	17.43	0.0	18.50
			128	0	19.19	19.24	19.23	19.14	19.24	0.0	19.70	17.42	17.35	17.33	17.51	17.45	0.0	18.50
		16QAM	1	1	18.94	18.95	18.96	19.06	18.98	0.0	19.70	17.58	17.56	17.57	17.46	17.47	0.0	18.50
		64QAM	1	1	19.03	19.07	19.05	19.06	19.03	0.0	19.70	17.44	17.58	17.44	17.32	17.36	0.0	18.50
		256QAM	1	1	18.71	18.89	18.82	18.83	18.86	0.2	19.50	17.29	17.43	17.31	17.26	17.25	0.0	18.50
	CP-OFDM	QPSK	1	1	19.05	18.96	18.96	19.07	18.93	0.0	19.70	17.49	17.28	17.46	17.54	17.49	0.0	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Power Mode A (dBm)					MPR	Tune-up Limit	Power Mode B (dBm)					MPR	Tune-up Limit
					648000	652000	656000	660000	664000			648000	652000	656000	660000	664000		
					3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz			3720 MHz	3780 MHz	3840 MHz	3900 MHz	3960 MHz		
40	DFS-s OFDM	PI/2 BPSK	1	1	19.11	19.10	19.20	19.34	19.04	0.0	19.70	17.64	17.64	17.62	17.93	17.71	0.0	18.50
			1	52	19.05	19.31	19.18	19.33	19.04	0.0	19.70	17.62	17.82	17.72	17.95	17.63	0.0	18.50
			1	104	19.06	19.38	19.21	19.22	19.03	0.0	19.70	17.62	17.94	17.71	17.74	17.57	0.0	18.50
			50	25	18.98	19.03	19.11	19.20	19.01	0.0	19.70	17.54	17.57	17.67	17.76	17.57	0.0	18.50
			100	0	19.05	19.01	19.25	19.18	19.06	0.0	19.70	17.49	17.51	17.54	17.46	17.33	0.0	18.50
		QPSK	1	1	19.04	19.08	19.21	19.30	19.10	0.0	19.70	17.62	17.64	17.74	17.86	17.66	0.0	18.50
			1	52	19.08	19.31	19.18	19.38	19.08	0.0	19.70	17.64	17.87	17.74	17.94	17.68	0.0	18.50
			1	104	19.06	19.35	19.21	19.24	19.06	0.0	19.70	17.62	17.93	17.77	17.82	17.65	0.0	18.50
			50	25	18.98	19.02	19.11	19.19	18.99	0.0	19.70	17.55	17.56	17.65	17.77	17.57	0.0	18.50
			100	0	19.03	19.00	19.05	18.95	19.24	0.0	19.70	17.50	17.60	17.55	17.62	17.55	0.0	18.50
		16QAM	1	1	18.99	18.92	18.92	19.08	19.02	0.0	19.70	17.52	17.51	17.43	17.58	17.51	0.0	18.50
		64QAM	1	1	19.06	19.05	19.02	19.07	19.03	0.0	19.70	17.41	17.46	17.28	17.43	17.44	0.0	18.50
		256QAM	1	1	18.84	18.88	18.89	18.83	18.82	0.2	19.50	17.28	17.28	17.13	17.32	17.37	0.0	18.50
	CP-OFDM	QPSK	1	1	19.04	18.96	18.92	18.99	19.03	0.0	19.70	17.33	17.35	17.37	17.26	17.22	0.0	18.50

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		
30	DFS-s OFDM	PI/2 BPSK	1	1	19.23	19.06	19.27	19.28	19.14	0.0	19.70	17.56	17.48	17.61	17.74	17.66	0.0	18.50
			1	38	19.21	19.02	19.15	19.35	19.11	0.0	19.70	17.49	17.65	17.60	17.68	17.40	0.0	18.50
			1	76	19.31	19.28	19.15	19.19	19.20	0.0	19.70	17.51	17.64	17.89	17.66	17.58	0.0	18.50
			36	18	19.19	18.98	19.05	19.18	19.06	0.0	19.70	17.40	17.56	17.59	17.64	17.39	0.0	18.50
			75	0	19.27	19.29	19.10	19.19	19.15	0.0	19.70	17.40	17.56	17.30	17.65	17.32	0.0	18.50
		QPSK	1	1	19.34	19.06	19.10	19.31	19.13	0.0	19.70	17.52	17.50	17.58	18.00	17.64	0.0	18.50
			1	38	19.18	19.05	19.14	19.17	19.15	0.0	19.70	17.47	17.56	17.59	17.78	17.42	0.0	18.50
			1	76	19.23	19.24	19.11	19.26	19.13	0.0	19.70	17.48	17.61	17.70	17.71	17.58	0.0	18.50
			36	18	19.17	18.99	19.03	19.18	19.05	0.0	19.70	17.39	17.52	17.61	17.74	17.41	0.0	18.50
			75	0	19.24	19.18	19.14	19.27	19.16	0.0	19.70	17.64	17.83	17.94	17.57	17.51	0.0	18.50
		16QAM	1	1	19.03	18.96	18.99	18.98	18.96	0.0	19.70	17.58	17.54	17.56	17.54	17.54	0.0	18.50
		64QAM	1	1	18.95	18.73	18.85	18.87	18.83	0.0	19.70	17.42	17.40	17.47	17.42	17.46	0.0	18.50
		256QAM	1	1	18.89	18.69	18.72	18.67	18.81	0.2	19.50	17.28	17.28	17.28	17.24	17.31	0.0	18.50
	CP-OFDM	QPSK	1	1	19.01	19.00	19.04	18.90	18.78	0.0	19.70	17.35	17.36	17.37	17.36	17.37	0.0	18.50

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	DFS-s OFDM	PI/2 BPSK	1	1	19.34	19.31	19.16	19.07	19.15	0.0	19.70	17.47	17.77	17.61	17.65	17.53	0.0	18.50
			1	25	19.38	19.33	19.11	19.11	19.06	0.0	19.70	17.45	17.68	17.61	17.74	17.50	0.0	18.50
			1	49	19.40	19.32	19.05	19.11	19.02	0.0	19.70	17.50	17.77	17.81	17.66	17.50	0.0	18.50
			25	12	19.30	19.28	19.02	19.08	18.90	0.0	19.70	17.44	17.61	17.59	17.61	17.45	0.0	18.50
			50	0	19.16	19.24	19.32	19.12	19.00	0.0	19.70	17.33	17.43	17.43	17.53	17.45	0.0	18.50
		QPSK	1	1	19.30	19.32	19.16	19.09	19.18	0.0	19.70	17.50	17.72	17.64	17.90	17.55	0.0	18.50
			1	25	19.33	19.33	19.15	19.11	19.09	0.0	19.70	17.44	17.64	17.62	17.82	17.51	0.0	18.50
			1	49	19.34	19.35	19.06	19.13	19.01	0.0	19.70	17.51	17.75	17.70	17.74	17.53	0.0	18.50
			25	12	19.25	19.21	19.02	19.04	18.92	0.0	19.70	17.43	17.60	17.60	17.70	17.49	0.0	18.50
			50	0	19.24	19.19	19.04	19.06	18.96	0.0	19.70	17.43	17.55	17.55	17.64	17.53	0.0	18.50
		16QAM	1	1	19.07	18.87	18.87	19.03	18.97	0.0	19.70	17.58	17.54	17.57	17.46	17.47	0.0	18.50
		64QAM	1	1	19.04	19.05	19.02	19.07	19.03	0.0	19.70	17.44	17.58	17.44	17.32	17.36	0.0	18.50
		256QAM	1	1	18.82	18.88	18.89	18.83	18.82	0.2	19.50	17.29	17.43	17.31	17.26	17.25	0.0	18.50
	CP-OFDM	QPSK	1	1	19.08	18.86	18.82	18.89	18.93	0.0	19.70	17.49	17.28	17.46	17.54	17.49	0.0	18.50

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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.

Tune-up Output Power for Wi-Fi 2.4 GHz

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

Channel	Frequency (MHz)	Tune-up Output Power (dBm)																							
		ANT3 / ANT4																							
		b (SISO)	g (SISO) Low Rate	g (SISO) Mid Rate	g (SISO) High Rate	11n/11ac HT20 (SISO) Low Rate	11n/11ac HT20 (SISO) Mid Rate	11n/11ac HT20 (SISO) High Rate	11ax HE20 (SISO) Low Rate	11ax HE20 (SISO) Mid Rate	11ax HE20 (SISO) High Rate	11ax HE20 RU242 (SISO)	11ax HE20 RU106 (SISO)	11ax HE20 RU52 (SISO)	11ax HE20 RU26 (SISO)	11n/11ac HT20 (2Tx, nonTXBF) Low Rate	11n/11ac HT20 (2Tx, nonTXBF) Mid Rate	11n/11ac HT20 (2Tx, nonTXBF) High Rate	11ax HE20 (2Tx, nonTXBF) Low Rate	11ax HE20 (2Tx, nonTXBF) Mid Rate	11ax HE20 (2Tx, nonTXBF) High Rate	11ax HE20 RU242 (2Tx, nonTxBF)	11ax HE20 RU106 (2Tx, nonTxBF)	11ax HE20 RU52 (2Tx, nonTxBF)	11ax HE20 RU26 (2Tx, nonTxBF)
1	2412	**20.5**	18.0	17.8	17.5	18.0	17.8	17.5	17.0	16.5	16.0	16.0	16.0	15.0	12.0	17.5	17.0	16.5	16.0	15.5	15.0	15.0	15.0	15.0	12.0
2	2417	**21.5**	19.5	19.5	19.5	19.5	19.5	19.5	18.0	18.0	18.0	18.0	18.0	15.0	12.0	18.5	18.5	18.5	17.0	17.0	17.0	17.0	17.0	15.0	12.0
3	2422	**21.5**	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	20.0	20.0	20.0	19.0	19.0	19.0	19.0	18.0	15.0	12.0
4	2427	**21.5**	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0
5	2432	**21.5**	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0
6	2437	**21.5**	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0
7	2442	**21.5**	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0
8	2447	**21.5**	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.0	15.0	12.0
9	2452	**21.5**	21.0	21.0	21.0	21.0	21.0	21.0	21.5	21.5	21.5	21.5	18.0	15.0	12.0	19.5	19.5	19.5	18.5	18.5	18.5	18.5	18.0	15.0	12.0
10	2457	**21.5**	19.5	19.5	19.5	19.5	19.5	19.5	18.0	18.0	18.0	18.0	18.0	15.0	12.0	18.5	18.5	18.5	17.0	17.0	17.0	17.0	17.0	15.0	12.0
11	2462	**21.5**	18.5	18.0	17.5	18.5	18.0	17.5	17.0	16.5	16.0	16.0	16.0	15.0	12.0	17.5	17.0	16.5	16.0	15.5	15.0	15.0	15.0	15.0	12.0
12	2467	**20.5**	16.0	15.8	15.5	16.0	15.8	15.5	15.0	14.5	14.0	14.0	14.0	14.0	12.0	15.0	14.5	14.0	14.0	13.5	13.0	13.0	13.0	13.0	12.0
13	2472	**18.0**	14.5	14.3	14.0	14.5	14.3	14.0	10.0	9.8	9.5	9.5	4.0	0.0	0.0	14.3	14.0	13.8	9.0	8.8	8.5	8.5	3.5	0.0	0.0

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

For 2.4 GHz band, there are two use cases:

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

Mode	Channel	Frequency (MHz)	Tune-up Output Power (dBm) Pcell OFF				Tune-up Output Power (dBm) Pcell ON			
			ANT3		ANT4		ANT3		ANT4	
			Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
802.11b DSSS (SISO)	1	2412	20.50	19.25	20.00	20.50	20.50	15.75	15.25	17.00
	2	2417	21.50	19.25	20.00	20.50	20.50	15.75	15.25	17.00
	3	2422	21.50	19.25	20.00	20.50	20.50	15.75	15.25	17.00
	4	2427	21.50	19.25	20.00	20.50	20.50	15.75	15.25	17.00
	5	2432	21.50	19.25	20.00	20.50	20.50	15.75	15.25	17.00
	6	2437	21.50	19.25	20.00	20.50	20.50	15.75	15.25	17.00
	7	2442	21.50	19.25	20.00	20.50	20.50	15.75	15.25	17.00
	8	2447	21.50	19.25	20.00	20.50	20.50	15.75	15.25	17.00
	9	2452	21.50	19.25	20.00	20.50	20.50	15.75	15.25	17.00
	10	2457	21.50	19.25	20.00	20.50	20.50	15.75	15.25	17.00
	11	2462	21.50	19.25	20.00	20.50	20.50	15.75	15.25	17.00
	12	2467	20.50	19.25	20.00	20.50	20.50	15.75	15.25	17.00
	13	2472	18.00	18.00	18.00	18.00	18.00	15.75	15.25	17.00

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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	2	2417	19.86	21.50	Yes	1	2412	17.76	19.25	Yes
			6	2437	20.46	21.50		6	2437	17.78	19.25	
			11	2462	19.94	21.50		11	2462	17.69	19.25	
	ANT4	DSSS 802.11b	1	2412	18.55	20.00	Yes	1	2412	19.09	20.50	Yes
			6	2437	19.00	20.00		6	2437	19.19	20.50	
			11	2462	18.35	20.00		11	2462	19.13	20.50	
Power Mode	Antenna	Mode	Power Mode A					Power Mode B				
			Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Meas Pwr (dBm)	Tune-up (dBm)	SAR Test (Yes/No)
Pcell ON	ANT3	DSSS 802.11b	1	2412	18.74	20.50	Yes	1	2412	13.76	15.75	Yes
			6	2437	19.49	20.50		6	2437	14.21	15.75	
			11	2462	19.23	20.50		11	2462	13.90	15.75	
	ANT4	DSSS 802.11b	1	2412	13.52	15.25	Yes	1	2412	15.70	17.00	Yes
			6	2437	13.91	15.25		6	2437	15.90	17.00	
			11	2462	13.90	15.25		11	2462	15.84	17.00	

Note(s):

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

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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.

Tune-up Output Power for Wi-Fi 5 GHz

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

| Tune-up Output Power (dBm) | | |

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

For 5GHz band, there are two use cases:

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

Mode	Bandwidth	Channel	Frequency	Tune-up Output Power (dBm) Pcell OFF				Tune-up Output Power (dBm) Pcell ON			
				ANT5		ANT6		ANT5		ANT6	
				Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
U-NII-1 5.2 GHz (SISO)	802.11a 20 MHz	36	5180	19.00	18.75	18.75	19.00	19.00	15.00	12.75	16.00
		40	5200	20.00	18.75	18.75	20.00	19.00	15.00	12.75	16.00
		44	5220	20.00	18.75	18.75	20.00	19.00	15.00	12.75	16.00
		48	5240	20.00	18.75	18.75	20.00	19.00	15.00	12.75	16.00
	802.11n/ac 40 MHz	38	5190	17.50	17.50	17.50	17.50	17.50	15.00	12.75	16.00
		46	5230	20.50	18.75	18.75	20.50	19.00	15.00	12.75	16.00
	802.11n/ac 80 MHz	42	5210	17.50	17.50	17.50	17.50	17.50	15.00	12.75	16.00
U-NII-2A 5.3 GHz (SISO)	802.11ax 20 MHz	52	5260	20.00	18.25	17.75	18.50	19.00	14.50	11.75	14.00
		56	5280	20.00	18.25	17.75	18.50	19.00	14.50	11.75	14.00
		60	5300	20.00	18.25	17.75	18.50	19.00	14.50	11.75	14.00
		64	5320	19.00	18.25	17.75	18.50	19.00	14.50	11.75	14.00
	802.11n/ac 40 MHz	54	5270	20.50	18.25	17.75	18.50	19.00	14.50	11.75	14.00
		62	5310	17.00	17.00	17.00	17.00	17.00	14.50	11.75	14.00
	802.11n/ac 80 MHz	58	5290	17.00	17.00	17.00	17.00	17.00	14.50	11.75	14.00

Mode	Bandwidth	Channel	Frequency	Tune-up Output Power (dBm) Pcell OFF				Tune-up Output Power (dBm) Pcell ON			
				ANT5		ANT6		ANT5		ANT6	
				Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
U-NII-2C 5.5 GHz (SISO)	802.11a 20 MHz	100	5500	18.80	18.25	18.80	17.50	18.80	14.50	13.00	13.25
		104	5520	20.00	18.25	19.00	17.50	19.00	14.50	13.00	13.25
		108	5540	20.00	18.25	19.00	17.50	19.00	14.50	13.00	13.25
		112	5560	20.00	18.25	19.00	17.50	19.00	14.50	13.00	13.25
		116	5580	20.00	18.25	19.00	17.50	19.00	14.50	13.00	13.25
		120	5600	20.00	18.25	19.00	17.50	19.00	14.50	13.00	13.25
		124	5620	20.00	18.25	19.00	17.50	19.00	14.50	13.00	13.25
		128	5640	20.00	18.25	19.00	17.50	19.00	14.50	13.00	13.25
		132	5660	20.00	18.25	19.00	17.50	19.00	14.50	13.00	13.25
		136	5680	20.00	18.25	19.00	17.50	19.00	14.50	13.00	13.25
		140	5700	19.00	18.25	19.00	17.50	19.00	14.50	13.00	13.25
		144	5720	20.00	18.25	19.00	17.50	19.00	14.50	13.00	13.25
	802.11n/ac 40 MHz	102	5510	17.00	17.00	17.00	17.00	17.00	14.50	13.00	13.25
		110	5550	20.50	18.25	19.00	17.50	19.00	14.50	13.00	13.25
		118	5590	20.50	18.25	19.00	17.50	19.00	14.50	13.00	13.25
		126	5630	20.50	18.25	19.00	17.50	19.00	14.50	13.00	13.25
		134	5670	20.50	18.25	19.00	17.50	19.00	14.50	13.00	13.25
		142	5710	20.50	18.25	19.00	17.50	19.00	14.50	13.00	13.25
	802.11n/ac 80 MHz	106	5530	16.00	16.00	16.00	16.00	16.00	14.50	13.00	13.25
		122	5610	20.50	18.25	19.00	17.50	19.00	14.50	13.00	13.25
		138	5690	20.50	18.25	19.00	17.50	19.00	14.50	13.00	13.25

Mode	Bandwidth	Channel	Frequency	Tune-up Output Power (dBm) Pcell OFF				Tune-up Output Power (dBm) Pcell ON			
				ANT5		ANT6		ANT5		ANT6	
				Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
U-NII-3 5.8 GHz (SISO)	802.11a/n/ac 20 MHz	149	5745	21.50	17.75	19.50	17.75	19.50	14.00	13.50	13.00
		153	5765	21.50	17.75	19.50	17.75	19.50	14.00	13.50	13.00
		157	5785	21.50	17.75	19.50	17.75	19.50	14.00	13.50	13.00
		161	5805	21.50	17.75	19.50	17.75	19.50	14.00	13.50	13.00
		165	5825	21.50	17.75	19.50	17.75	19.50	14.00	13.50	13.00
	802.11n/ac 40 MHz	151	5755	20.50	17.75	19.50	17.75	19.50	14.00	13.50	13.00
		159	5795	20.50	17.75	19.50	17.75	19.50	14.00	13.50	13.00
	802.11ac 80 MHz	155	5775	20.50	17.75	19.50	17.75	19.50	14.00	13.50	13.00

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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	18.91	20.50	Yes	U-NII-1	802.11n HT40	38	5190	15.85	17.50	Yes
				62	5310	15.55	17.00				46	5230	17.33	18.75	
		U-NII-2C	802.11ac VHT80	106	5530	14.64	16.00	Yes	U-NII-2C	802.11ac VHT80	106	5530	14.64	16.00	Yes
				122	5610	19.08	20.50				122	5610	16.48	18.25	
				138	5690	19.05	20.50				138	5690	16.89	18.25	
		U-NII-3	802.11a	149	5745	20.10	21.50	Yes	U-NII-3	802.11ac VHT80	155	5775	16.32	17.75	Yes
				157	5785	20.14	21.50								
				165	5825	20.06	21.50								
	ANT6	U-NII-1	802.11n HT40	38	5190	16.02	17.50	Yes	U-NII-1	802.11n HT40	38	5190	16.02	17.50	Yes
				46	5230	17.31	18.75				46	5230	18.85	20.50	
		U-NII-2C	802.11ac VHT80	106	5530	14.52	16.00	Yes	U-NII-2C	802.11ac VHT80	106	5530	14.52	16.00	Yes
				122	5610	17.45	19.00				122	5610	16.10	17.50	
				138	5690	17.25	19.00				138	5690	15.70	17.50	
		U-NII-3	802.11ac VHT80	155	5775	18.02	19.50	Yes	U-NII-3	802.11ac VHT80	155	5775	16.36	17.75	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	17.59	19.00	Yes	U-NII-1	802.11ac VHT80	42	5210	13.85	15.00	Yes
				62	5310	15.63	17.00								
		U-NII-2C	802.11ac VHT80	106	5530	14.29	16.00	Yes	U-NII-2C	802.11ac VHT80	106	5530	13.03	14.50	Yes
				122	5610	17.61	19.00				122	5610	13.26	14.50	
				138	5690	17.58	19.00				138	5690	13.11	14.50	
		U-NII-3	802.11ac VHT80	155	5775	18.07	19.50	Yes	U-NII-3	802.11ac VHT80	155	5775	12.84	14.00	Yes
	ANT6	U-NII-1	802.11ac VHT80	42	5210	11.33	12.75	Yes	U-NII-1	802.11ac VHT80	42	5210	14.73	16.00	Yes
		U-NII-2C	802.11ac VHT80	106	5530	11.62	13.00	Yes	U-NII-2C	802.11ac VHT80	106	5530	11.75	13.25	Yes
				122	5610	11.55	13.00				122	5610	11.83	13.25	
				138	5690	11.30	13.00				138	5690	11.51	13.25	
		U-NII-3	802.11ac VHT80	155	5775	12.21	13.50	Yes	U-NII-3	802.11ac VHT80	155	5775	11.96	13.00	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.

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

For Bluetooth, there are three use cases:

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

Mode	Tune-up Output Power (dBm)											
	Bluetooth P_{low}				Bluetooth P_{high}				Bluetooth $P_{standalone}$			
	ANT3		ANT4		ANT3		ANT4		ANT3		ANT4	
	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B	Mode A	Mode B
GFSK	13.00	9.50	9.00	9.50	19.50	15.50	15.00	15.50	20.00	20.00	20.00	20.00
EDR	13.00	9.50	9.00	9.50	16.50	15.50	15.00	15.50	16.50	16.50	16.50	16.50
LE1M	13.00	9.50	9.00	9.50	19.50	15.50	15.00	15.50	20.00	20.00	20.00	20.00
LE2M	13.00	9.50	9.00	9.50	19.50	15.50	15.00	15.50	20.00	20.00	20.00	20.00
HDR4	12.50	9.50	9.00	9.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50
HDR8	13.00	9.50	9.00	9.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50

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

Bluetooth Measured Results

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

Power Mode	Antenna	Mode	Ch #	Freq. (MHz)	Power Mode A (dBm)			Power Mode B (dBm)		
					Meas Pwr	Tune-up	SAR Test (Yes/No)	Meas Pwr	Tune-up	SAR Test (Yes/No)
Bluetooth P_{low}	ANT3	GFSK	0	2402	11.56	13.00	Yes	8.45	9.50	Yes
			39	2441	11.67	13.00		8.49	9.50	
			78	2480	11.66	13.00		8.34	9.50	
	ANT4	GFSK	0	2402	7.32	9.00	Yes	7.98	9.50	Yes
			39	2441	7.64	9.00		8.19	9.50	
			78	2480	7.34	9.00		7.88	9.50	
Bluetooth P_{high}	ANT3	GFSK	0	2402	18.22	19.50	Yes	14.21	15.50	Yes
			39	2441	18.24	19.50		14.39	15.50	
			78	2480	18.44	19.50		14.34	15.50	
	ANT4	GFSK	0	2402	13.55	15.00	Yes	14.07	15.50	Yes
			39	2441	13.74	15.00		14.22	15.50	
			78	2480	13.61	15.00		13.95	15.50	
Bluetooth $P_{standalone}$	ANT3	GFSK	0	2402	18.22	20.00	Yes	18.22	20.00	Yes
			39	2441	18.24	20.00		18.24	20.00	
			78	2480	18.44	20.00		18.44	20.00	
	ANT4	GFSK	0	2402	18.63	20.00	Yes	18.63	20.00	Yes
			39	2441	18.72	20.00		18.72	20.00	
			78	2480	18.66	20.00		18.66	20.00	

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Duty Factor Measured Results

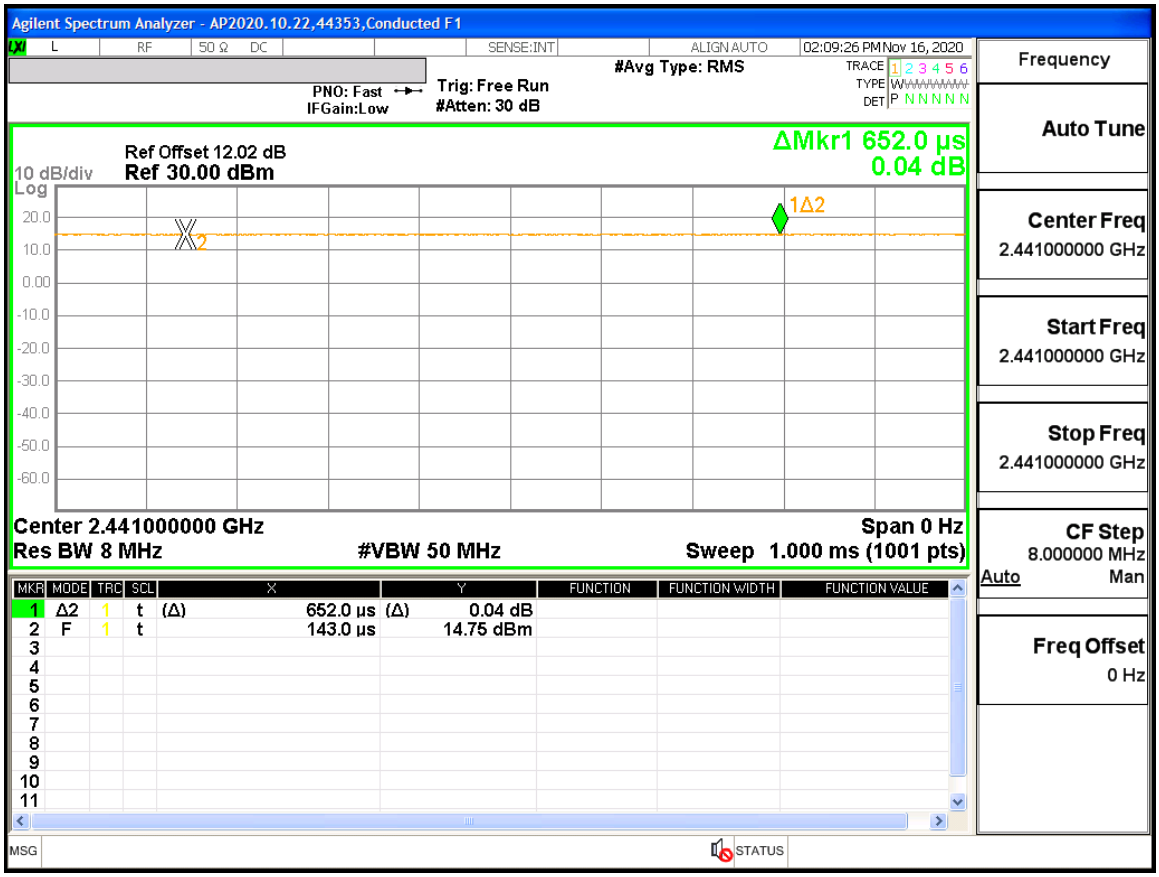
Mode	Type	T on (ms)	Period (ms)	Duty Cycle	Crest Factor (1/duty cycle)
GFSK	DH5	1	1	100.00%	1.00

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*.

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	31.53	0.177	0.221	0.135	0.169	
					Left Tilt	190	836.6	32.50	31.53	0.095	0.119	0.074	0.093	
					Right Touch	190	836.6	32.50	31.53	0.192	0.240	0.151	0.189	1
					Right Tilt	190	836.6	32.50	31.53	0.103	0.129	0.080	0.100	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	190	836.6	31.70	30.73	0.430	0.538	0.232	0.290	2
					Front	190	836.6	31.70	30.73	0.228	0.285	0.124	0.155	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 2	190	836.6	31.70	30.73	0.333	0.416	0.217	0.271	
					Edge 3	190	836.6	31.70	30.73	0.261	0.326	0.120	0.150	
					Edge 4	190	836.6	31.70	30.73	0.113	0.141	0.072	0.090	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	GPRS 2 Slots	Mode A	0	Left Touch	190	836.6	31.00	30.02	0.575	0.721	0.414	0.519	
					Left Tilt	128	824.4	31.00	29.84	0.546	0.713	0.316	0.413	
						190	836.6	31.00	30.02	0.667	0.836	0.377	0.472	3
						251	848.8	31.00	29.60	0.544	0.751	0.317	0.438	
					Right Touch	190	836.6	31.00	30.02	0.559	0.701	0.372	0.466	
					Right Tilt	190	836.6	31.00	30.02	0.588	0.737	0.354	0.444	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	190	836.6	31.00	30.02	0.491	0.615	0.304	0.381	4
					Front	190	836.6	31.00	30.02	0.189	0.237	0.125	0.157	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 1	190	836.6	31.00	30.02	0.091	0.114	0.047	0.059	
					Edge 2	190	836.6	31.00	30.02	0.044	0.055	0.028	0.035	
					Edge 4	190	836.6	31.00	30.02	0.223	0.279	0.143	0.179	

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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	29.95	0.078	0.099	0.049	0.062	
					Left Tilt	661	1880.0	31.00	29.95	0.066	0.084	0.040	0.051	
					Right Touch	661	1880.0	31.00	29.95	0.165	0.210	0.102	0.130	5
					Right Tilt	661	1880.0	31.00	29.95	0.046	0.059	0.028	0.036	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	661	1880.0	26.50	25.52	0.480	0.602	0.234	0.293	6
					Front	661	1880.0	26.50	25.52	0.323	0.405	0.172	0.216	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 2	661	1880.0	26.50	25.52	0.347	0.435	0.171	0.214	
					Edge 3	512	1850.2	26.50	25.60	0.688	0.846	0.322	0.396	7
						661	1880.0	26.50	25.52	0.662	0.830	0.312	0.391	
						810	1909.8	26.50	25.58	0.599	0.740	0.284	0.351	
					Edge 4	661	1880.0	26.50	25.52	0.003	0.004	0.001	0.001	

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	27.20	26.70	0.138	0.155	0.084	0.094	
					Left Tilt	661	1880.0	27.20	26.70	0.066	0.074	0.038	0.043	
					Right Touch	512	1850.2	27.20	26.70	0.685	0.769	0.359	0.403	
						661	1880.0	27.20	26.70	0.811	0.910	0.428	0.480	8
						810	1909.8	27.20	26.72	0.767	0.857	0.404	0.451	
					Right Tilt	661	1880.0	27.20	26.70	0.022	0.025	0.011	0.012	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	512	1850.2	28.20	27.10	0.589	0.759	0.281	0.362	
						661	1880.0	28.20	27.21	0.648	0.814	0.308	0.387	
						810	1909.8	28.20	27.17	0.730	0.925	0.348	0.441	9
					Front	661	1880.0	28.20	27.21	0.332	0.417	0.177	0.222	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 1	661	1880.0	28.20	27.21	0.468	0.588	0.206	0.259	
					Edge 2	661	1880.0	28.20	27.21	0.012	0.015	0.006	0.007	
					Edge 4	661	1880.0	28.20	27.21	0.351	0.441	0.177	0.222	

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	30.50	29.34	0.205	0.268	0.127	0.166	10
					Left Tilt	661	1880.0	30.50	29.34	0.112	0.146	0.061	0.079	
					Right Touch	661	1880.0	30.50	29.34	0.166	0.217	0.105	0.137	
					Right Tilt	661	1880.0	30.50	29.34	0.057	0.074	0.035	0.046	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	661	1880.0	26.50	26.00	0.594	0.666	0.338	0.379	11
					Front	661	1880.0	26.50	26.00	0.420	0.471	0.230	0.258	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 3	661	1880.0	26.50	26.00	0.291	0.327	0.147	0.165	
					Edge 4	512	1850.2	26.50	25.95	0.737	0.837	0.366	0.415	
						661	1880.0	26.50	26.00	0.829	0.930	0.413	0.463	12
						810	1909.8	26.50	25.98	0.752	0.848	0.389	0.438	

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	24.08	0.618	0.764	0.316	0.391	
						661	1880.0	25.00	24.15	0.700	0.851	0.361	0.439	
						810	1909.8	25.00	24.05	0.749	0.932	0.388	0.483	13
					Left Tilt	661	1880.0	25.00	24.15	0.421	0.512	0.216	0.263	
					Right Touch	661	1880.0	25.00	24.15	0.256	0.311	0.148	0.180	
					Right Tilt	661	1880.0	25.00	24.15	0.197	0.240	0.109	0.133	
	Body & Hotspot	GPRS 2 Slots	Mode B	5	Rear	661	1880.0	26.30	26.05	0.567	0.601	0.296	0.314	14
					Front	661	1880.0	26.30	26.05	0.411	0.435	0.226	0.239	
	Hotspot	GPRS 2 Slots	Mode B	5	Edge 1	661	1880.0	26.30	26.05	0.329	0.348	0.160	0.169	
					Edge 2	512	1850.2	26.30	26.01	0.783	0.837	0.385	0.412	
						661	1880.0	26.30	26.05	0.832	0.881	0.417	0.442	
						810	1909.8	26.30	25.90	0.814	0.893	0.393	0.431	15

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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	25.22	0.136	0.152	0.087	0.097	
					Left Tilt	9400	1880.0	25.70	25.22	0.114	0.127	0.067	0.075	
					Right Touch	9400	1880.0	25.70	25.22	0.348	0.389	0.217	0.242	16
					Right Tilt	9400	1880.0	25.70	25.22	0.097	0.108	0.061	0.068	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9400	1880.0	20.00	19.39	0.336	0.387	0.164	0.189	17
					Front	9400	1880.0	20.00	19.39	0.259	0.298	0.138	0.159	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	9400	1880.0	20.00	19.39	0.312	0.359	0.145	0.167	
					Edge 3	9262	1852.4	20.00	19.38	0.762	0.879	0.356	0.411	18
						9400	1880.0	20.00	19.39	0.716	0.824	0.337	0.388	
						9538	1907.6	20.00	19.35	0.656	0.762	0.313	0.364	
					Edge 4	9400	1880.0	20.00	19.39	0.004	0.005	0.001	0.001	

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	20.70	19.98	0.183	0.216	0.119	0.140	
					Left Tilt	9400	1880.0	20.70	19.98	0.169	0.199	0.098	0.116	
					Right Touch	9262	1852.4	20.70	19.88	0.531	0.641	0.280	0.338	
						9400	1880.0	20.70	19.98	0.718	0.847	0.375	0.443	19
						9538	1907.6	20.70	19.98	0.693	0.818	0.367	0.433	
					Right Tilt	9400	1880.0	20.70	19.98	0.530	0.626	0.244	0.288	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9262	1852.4	21.70	21.19	0.650	0.731	0.301	0.339	
						9400	1880.0	21.70	21.30	0.775	0.850	0.358	0.393	
						9538	1907.6	21.70	21.28	0.850	0.936	0.393	0.433	20
					Front	9400	1880.0	21.70	21.30	0.580	0.636	0.303	0.332	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	9400	1880.0	21.70	21.30	0.465	0.510	0.204	0.224	
					Edge 2	9400	1880.0	21.70	21.30	0.012	0.014	0.007	0.007	
					Edge 4	9262	1852.4	21.70	21.30	0.350	0.384	0.198	0.217	

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	24.00	23.60	0.547	0.600	0.331	0.363	21
					Left Tilt	9400	1880.0	24.00	23.60	0.231	0.253	0.131	0.144	
					Right Touch	9400	1880.0	24.00	23.60	0.203	0.223	0.130	0.143	
					Right Tilt	9400	1880.0	24.00	23.60	0.141	0.155	0.081	0.089	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9400	1880.0	20.00	19.65	0.734	0.796	0.396	0.429	22
					Front	9400	1880.0	20.00	19.65	0.295	0.320	0.162	0.176	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 3	9400	1880.0	20.00	19.65	0.240	0.260	0.121	0.131	
					Edge 4	9262	1852.4	20.00	19.60	0.753	0.826	0.381	0.418	
						9400	1880.0	20.00	19.65	0.835	0.905	0.427	0.463	
						9538	1907.6	20.00	19.62	0.840	0.917	0.427	0.466	23

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	18.50	18.00	0.755	0.847	0.394	0.442	
						9400	1880.0	18.50	18.12	0.825	0.900	0.432	0.472	
						9538	1907.6	18.50	18.10	0.849	0.931	0.447	0.490	24
					Left Tilt	9400	1880.0	18.50	18.12	0.480	0.524	0.238	0.260	
					Right Touch	9400	1880.0	18.50	18.12	0.233	0.254	0.140	0.153	
					Right Tilt	9400	1880.0	18.50	18.12	0.172	0.188	0.094	0.103	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	9400	1880.0	19.80	19.40	0.630	0.691	0.323	0.354	25
					Front	9400	1880.0	19.80	19.40	0.451	0.495	0.241	0.264	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	9400	1880.0	19.80	19.40	0.370	0.406	0.170	0.186	
					Edge 2	9262	1852.4	19.80	19.31	0.789	0.883	0.384	0.430	
						9400	1880.0	19.80	19.40	0.845	0.927	0.409	0.448	
						9538	1907.6	19.80	19.40	0.859	**0.942**	0.411	0.451	26

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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	24.00	23.75	0.053	0.056	0.035	0.037	
					Left Tilt	1413	1732.6	24.00	23.75	0.066	0.070	0.043	0.046	
					Right Touch	1413	1732.6	24.00	23.75	0.194	0.205	0.126	0.133	27
					Right Tilt	1413	1732.6	24.00	23.75	0.078	0.083	0.049	0.052	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1413	1732.6	17.80	16.85	0.510	0.635	0.256	0.319	28
					Front	1413	1732.6	17.80	16.85	0.475	0.591	0.226	0.281	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	1413	1732.6	17.80	16.85	0.127	0.158	0.062	0.077	
					Edge 3	1312	1712.4	17.80	16.70	0.613	0.790	0.291	0.375	
						1413	1732.6	17.80	16.85	0.723	0.900	0.331	0.412	
						1513	1752.6	17.80	16.75	0.753	**0.959**	0.348	0.443	29
					Edge 4	1413	1732.6	17.80	16.85	0.019	0.024	0.008	0.011	

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	23.00	22.23	0.353	0.421	0.210	0.251	
					Left Tilt	1413	1732.6	23.00	22.23	0.308	0.368	0.160	0.191	
					Right Touch	1312	1712.4	23.00	22.21	0.709	0.850	0.406	0.487	30
						1413	1732.6	23.00	22.23	0.676	0.807	0.386	0.461	
						1513	1752.6	23.00	22.00	0.661	0.832	0.370	0.466	
					Right Tilt	1413	1732.6	23.00	22.23	0.531	0.634	0.267	0.319	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1312	1712.4	23.00	22.21	0.606	0.727	0.287	0.344	
						1413	1732.6	23.00	22.23	0.727	0.868	0.332	0.396	31
						1513	1752.6	23.00	22.00	0.570	0.718	0.265	0.334	
					Front	1413	1732.6	23.00	22.23	0.401	0.479	0.211	0.252	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	1413	1732.6	23.00	22.23	0.562	0.671	0.267	0.319	
					Edge 2	1413	1732.6	23.00	22.23	0.024	0.029	0.013	0.016	
					Edge 4	1413	1732.6	23.00	22.23	0.426	0.509	0.223	0.266	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	1413	1732.6	25.20	24.50	0.294	0.345	0.191	0.224	32
					Left Tilt	1413	1732.6	25.20	24.50	0.144	0.169	0.096	0.113	
					Right Touch	1413	1732.6	25.20	24.50	0.102	0.120	0.068	0.080	
					Right Tilt	1413	1732.6	25.20	24.50	0.121	0.142	0.079	0.093	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1413	1732.6	22.00	21.10	0.542	0.667	0.318	0.391	33
					Front	1413	1732.6	22.00	21.10	0.423	0.520	0.233	0.287	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 3	1413	1732.6	22.00	21.10	0.159	0.196	0.067	0.082	
					Edge 4	1312	1712.4	22.00	21.11	0.676	0.830	0.351	0.431	
						1413	1732.6	22.00	21.10	0.742	0.913	0.384	0.472	
						1513	1752.6	22.00	21.05	0.753	0.937	0.388	0.483	34

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	20.80	20.05	0.701	0.833	0.374	0.444	
						1413	1732.6	20.80	20.09	0.761	0.896	0.409	0.482	35
						1513	1752.6	20.80	20.08	0.749	0.884	0.408	0.482	
					Left Tilt	1413	1732.6	20.80	20.09	0.418	0.492	0.196	0.231	
					Right Touch	1413	1732.6	20.80	20.09	0.211	0.248	0.123	0.145	
					Right Tilt	1413	1732.6	20.80	20.09	0.183	0.216	0.103	0.121	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	1312	1712.4	21.50	20.90	0.656	0.753	0.342	0.393	
						1413	1732.6	21.50	20.90	0.699	0.803	0.368	0.423	
						1513	1752.6	21.50	20.87	0.753	0.871	0.395	0.457	36
					Front	1413	1732.6	21.50	20.90	0.410	0.471	0.220	0.253	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	1413	1732.6	21.50	20.90	0.340	0.390	0.157	0.180	
					Edge 2	1312	1712.4	21.50	20.90	0.834	0.958	0.407	0.467	37
						1413	1732.6	21.50	20.90	0.700	0.804	0.348	0.400	
						1513	1752.6	21.50	20.87	0.712	0.823	0.351	0.406	

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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	25.18	0.169	0.190	0.129	0.145	
					Left Tilt	4183	836.6	25.70	25.18	0.093	0.105	0.072	0.081	
					Right Touch	4183	836.6	25.70	25.18	0.242	0.273	0.184	0.207	38
					Right Tilt	4183	836.6	25.70	25.18	0.101	0.114	0.078	0.088	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	4132	826.4	25.20	25.16	0.773	0.780	0.414	0.418	
						4183	836.6	25.20	25.18	0.825	0.829	0.444	0.446	
						4233	846.6	25.20	25.14	0.827	0.839	0.447	0.453	39
					Front	4183	836.6	25.20	25.18	0.434	0.436	0.239	0.240	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 2	4183	836.6	25.20	25.18	0.669	0.672	0.358	0.360	
					Edge 3	4183	836.6	25.20	25.18	0.435	0.437	0.203	0.204	
					Edge 4	4183	836.6	25.20	25.18	0.212	0.213	0.137	0.138	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	Rel 99 RMC 12.2 kbps	Mode A	0	Left Touch	4183	836.6	24.70	24.06	0.676	0.783	0.427	0.495	40
					Left Tilt	4183	836.6	24.70	24.06	0.492	0.570	0.243	0.282	
					Right Touch	4183	836.6	24.70	24.06	0.541	0.627	0.361	0.418	
					Right Tilt	4183	836.6	24.70	24.06	0.349	0.404	0.195	0.226	
	Body & Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Rear	4183	836.6	24.70	24.06	0.395	0.458	0.243	0.282	41
					Front	4183	836.6	24.70	24.06	0.241	0.279	0.156	0.181	
	Hotspot	Rel 99 RMC 12.2 kbps	Mode B	5	Edge 1	4183	836.6	24.70	24.06	0.131	0.152	0.067	0.078	
					Edge 2	4183	836.6	24.70	24.06	0.133	0.154	0.085	0.098	
					Edge 4	4183	836.6	24.70	24.06	0.212	0.246	0.136	0.158	

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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	23.50	23.34	0.168	0.174	0.128	0.133	
					Left Tilt	384	836.5	23.50	23.34	0.094	0.098	0.074	0.077	
					Right Touch	384	836.5	23.50	23.34	0.236	0.245	0.183	0.190	
					Right Tilt	384	836.5	23.50	23.34	0.124	0.129	0.096	0.100	
		1xEVDO Rel. 0	Mode A	0	Left Touch	384	836.5	23.50	23.33	0.186	0.193	0.139	0.145	
					Left Tilt	384	836.5	23.50	23.33	0.096	0.100	0.073	0.076	
					Right Touch	384	836.5	23.50	23.33	0.277	0.288	0.203	0.211	42
					Right Tilt	384	836.5	23.50	23.33	0.100	0.103	0.076	0.079	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	384	836.5	23.50	23.43	0.385	0.391	0.215	0.218	43
					Front	384	836.5	23.50	23.43	0.206	0.209	0.120	0.122	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	384	836.5	23.50	23.43	0.508	0.516	0.243	0.247	44
					Edge 3	384	836.5	23.50	23.43	0.461	0.468	0.202	0.205	
					Edge 4	384	836.5	23.50	23.43	0.134	0.136	0.083	0.084	

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	23.00	22.74	0.698	0.741	0.434	0.461	
					Left Tilt	384	836.5	23.00	22.74	0.577	0.613	0.300	0.319	
					Right Touch	384	836.5	23.00	22.74	0.743	0.789	0.471	0.500	45
					Right Tilt	384	836.5	23.00	22.74	0.465	0.494	0.241	0.256	
		1xEVDO Rel. 0	Mode A	0	Left Touch	384	836.5	23.00	22.73	0.671	0.714	0.476	0.507	
					Left Tilt	384	836.5	23.00	22.73	0.740	0.787	0.385	0.410	
					Right Touch	384	836.5	23.00	22.73	0.689	0.733	0.471	0.501	
					Right Tilt	384	836.5	23.00	22.73	0.525	0.559	0.305	0.325	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	384	836.5	23.00	22.74	0.503	0.534	0.302	0.321	46
					Front	384	836.5	23.00	22.74	0.276	0.293	0.187	0.199	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	384	836.5	23.00	22.74	0.197	0.209	0.099	0.105	
					Edge 2	384	836.5	23.00	22.74	0.179	0.190	0.117	0.124	
					Edge 4	384	836.5	23.00	22.74	0.308	0.327	0.197	0.209	

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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	24.80	0.166	0.204	0.106	0.130	
					Left Tilt	600	1880.0	25.70	24.80	0.132	0.162	0.077	0.095	
					Right Touch	600	1880.0	25.70	24.80	0.335	0.412	0.207	0.255	47
					Right Tilt	600	1880.0	25.70	24.80	0.101	0.124	0.064	0.079	
		1xEVDO Rel. 0	Mode A	0	Left Touch	600	1880.0	25.70	24.79	0.154	0.190	0.099	0.122	
					Left Tilt	600	1880.0	25.70	24.79	0.145	0.179	0.086	0.106	
					Right Touch	600	1880.0	25.70	24.79	0.330	0.407	0.208	0.256	
					Right Tilt	600	1880.0	25.70	24.79	0.123	0.152	0.078	0.096	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	600	1880.0	20.00	19.40	0.645	0.741	0.310	0.356	48
					Front	600	1880.0	20.00	19.40	0.358	0.411	0.188	0.216	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	600	1880.0	20.00	19.40	0.398	0.457	0.193	0.222	
					Edge 3	25	1851.3	20.00	19.38	0.789	0.910	0.368	0.424	49
						600	1880.0	20.00	19.40	0.754	0.866	0.352	0.404	
						1175	1908.8	20.00	19.40	0.673	0.773	0.316	0.363	
					Edge 4	600	1880.0	20.00	19.40	0.010	0.011	0.004	0.005	

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	20.70	20.23	0.222	0.247	0.141	0.157	
					Left Tilt	600	1880.0	20.70	20.23	0.169	0.188	0.101	0.113	
					Right Touch	25	1851.3	20.70	20.16	0.603	0.683	0.311	0.352	
						600	1880.0	20.70	20.23	0.722	0.805	0.374	0.417	
						1175	1908.8	20.70	20.20	0.767	0.861	0.401	0.450	
					Right Tilt	600	1880.0	20.70	20.23	0.532	0.593	0.254	0.283	
		1xEVDO Rel. 0	Mode A	0	Left Touch	600	1880.0	20.70	20.31	0.293	0.321	0.172	0.188	
					Left Tilt	600	1880.0	20.70	20.31	0.220	0.241	0.129	0.141	
					Right Touch	25	1851.3	20.70	20.30	0.656	0.719	0.347	0.380	
						600	1880.0	20.70	20.31	0.868	0.950	0.462	0.505	50
						1175	1908.8	20.70	20.31	0.831	0.909	0.440	0.481	
					Right Tilt	600	1880.0	20.70	20.31	0.544	0.595	0.258	0.282	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	25	1851.3	21.70	21.40	0.660	0.707	0.311	0.333	
						600	1880.0	21.70	21.41	0.791	0.846	0.371	0.397	
						1175	1908.8	21.70	21.40	0.887	0.950	0.417	0.447	51
					Front	600	1880.0	21.70	21.41	0.260	0.278	0.140	0.150	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	600	1880.0	21.70	21.41	0.471	0.504	0.201	0.215	
					Edge 2	600	1880.0	21.70	21.41	0.003	0.003	0.001	0.001	
					Edge 4	600	1880.0	21.70	21.41	0.571	0.610	0.289	0.309	

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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	24.96	0.208	0.247	0.157	0.186	
					Left Tilt	560	820.0	25.70	24.96	0.113	0.134	0.088	0.104	
					Right Touch	560	820.0	25.70	24.96	0.274	0.325	0.207	0.245	52
					Right Tilt	560	820.0	25.70	24.96	0.126	0.149	0.098	0.116	
		1xEVDO Rel. 0	Mode A	0	Left Touch	560	820.0	25.70	24.90	0.155	0.186	0.118	0.142	
					Left Tilt	560	820.0	25.70	24.90	0.064	0.076	0.046	0.055	
					Right Touch	560	820.0	25.70	24.90	0.216	0.260	0.164	0.197	
					Right Tilt	560	820.0	25.70	24.90	0.106	0.127	0.071	0.086	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	560	820.0	25.20	24.93	0.790	0.841	0.417	0.444	53
					Front	560	820.0	25.20	24.93	0.462	0.492	0.255	0.271	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 2	560	820.0	25.20	24.93	0.588	0.626	0.545	0.580	
					Edge 3	560	820.0	25.20	24.93	0.563	0.599	0.257	0.273	
					Edge 4	560	820.0	25.20	24.93	0.319	0.339	0.203	0.216	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
								Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	1xRTT RC3 SO55	Mode A	0	Left Touch	560	820.0	24.70	24.20	0.837	0.939	0.544	0.610	
					Left Tilt	560	820.0	24.70	24.20	0.552	0.619	0.311	0.349	
					Right Touch	560	820.0	24.70	24.20	0.795	0.892	0.559	0.627	
					Right Tilt	560	820.0	24.70	24.20	0.558	0.626	0.330	0.370	
		1xEVDO Rel. 0	Mode A	0	Left Touch	560	820.0	24.70	24.20	0.855	**0.959**	0.498	0.559	54
					Left Tilt	560	820.0	24.70	24.20	0.606	0.680	0.314	0.352	
					Right Touch	560	820.0	24.70	24.20	0.794	0.891	0.548	0.615	
					Right Tilt	560	820.0	24.70	24.20	0.514	0.577	0.292	0.328	
	Body & Hotspot	1xRTT RC3 SO32	Mode B	5	Rear	560	820.0	24.70	24.20	0.384	0.431	0.240	0.269	55
					Front	560	820.0	24.70	24.20	0.312	0.350	0.210	0.236	
	Hotspot	1xRTT RC3 SO32	Mode B	5	Edge 1	560	820.0	24.70	24.20	0.154	0.173	0.079	0.088	
					Edge 2	560	820.0	24.70	24.20	0.227	0.255	0.145	0.163	
					Edge 4	560	820.0	24.70	24.20	0.352	0.395	0.225	0.252	

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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	25.35	0.170	0.184	0.128	0.139	
								25	12	24.70	24.42	0.136	0.145	0.103	0.110	
					Left Tilt	20525	836.5	1	25	25.70	25.35	0.090	0.098	0.069	0.075	
								25	12	24.70	24.42	0.072	0.077	0.055	0.059	
					Right Touch	20525	836.5	1	25	25.70	25.35	0.206	0.223	0.157	0.170	56
								25	12	24.70	24.42	0.176	0.188	0.133	0.142	
					Right Tilt	20525	836.5	1	25	25.70	25.35	0.100	0.108	0.077	0.083	
								25	12	24.70	24.42	0.080	0.085	0.061	0.065	
	Body & Hotspot	QPSK	Mode B	5	Rear	20525	836.5	1	25	25.20	24.94	0.777	0.825	0.415	0.441	
								25	12	24.70	23.92	0.728	0.871	0.382	0.457	57
								50	0	24.70	23.91	0.686	0.823	0.407	0.488	
					Front	20525	836.5	1	25	25.20	24.94	0.375	0.398	0.205	0.218	
								25	12	24.70	23.92	0.302	0.361	0.167	0.200	
	Hotspot	QPSK	Mode B	5	Edge 2	20525	836.5	1	25	25.20	24.94	0.584	0.620	0.375	0.398	
								25	12	24.70	23.92	0.420	0.503	0.236	0.282	
					Edge 3	20525	836.5	1	25	25.20	24.94	0.462	0.491	0.210	0.223	
								25	12	24.70	23.92	0.412	0.493	0.188	0.225	
					Edge 4	20525	836.5	1	25	25.20	24.94	0.163	0.173	0.104	0.110	
								25	12	24.70	23.92	0.152	0.182	0.097	0.116	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	20525	836.5	1	25	24.70	24.23	0.823	0.917	0.521	0.581	58
								25	12	23.70	23.14	0.763	0.868	0.483	0.549	
								50	0	23.70	23.13	0.754	0.860	0.467	0.532	
					Left Tilt	20525	836.5	1	25	24.70	24.23	0.510	0.568	0.286	0.319	
								25	12	23.70	23.14	0.470	0.535	0.258	0.294	
					Right Touch	20525	836.5	1	25	24.70	24.23	0.808	0.900	0.542	0.604	
								25	12	23.70	23.14	0.720	0.819	0.477	0.543	
								50	0	23.70	23.13	0.631	0.719	0.421	0.480	
					Right Tilt	20525	836.5	1	25	24.70	24.23	0.440	0.490	0.267	0.298	
								25	12	23.70	23.14	0.368	0.419	0.206	0.234	
	Body & Hotspot	QPSK	Mode B	5	Rear	20525	836.5	1	25	24.70	24.23	0.349	0.389	0.213	0.237	59
								25	12	23.70	23.14	0.315	0.358	0.189	0.215	
					Front	20525	836.5	1	25	24.70	24.23	0.318	0.354	0.209	0.233	
								25	12	23.70	23.14	0.252	0.287	0.165	0.188	
	Hotspot	QPSK	Mode B	5	Edge 1	20525	836.5	1	25	24.70	24.23	0.133	0.148	0.071	0.079	
								25	12	23.70	23.14	0.126	0.143	0.065	0.074	
					Edge 2	20525	836.5	1	25	24.70	24.23	0.150	0.167	0.098	0.109	
								25	12	23.70	23.14	0.141	0.160	0.089	0.101	
					Edge 4	20525	836.5	1	25	24.70	24.23	0.257	0.286	0.165	0.184	
								25	12	23.70	23.14	0.209	0.238	0.133	0.151	

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	25.40	0.119	0.128	0.090	0.097	
ANT 1	Body	QPSK	Mode B	5	Rear	20476	831.6	1	49	20575	841.5	1	0	25.20	24.90	0.678	0.726	0.372	0.399	
ANT 2	Head	QPSK	Mode A	0	Right Touch	20476	831.6	1	49	20575	841.5	1	0	24.70	24.35	0.215	0.233	0.142	0.154	
ANT 2	Body	QPSK	Mode B	5	Rear	20476	831.6	1	49	20575	841.5	1	0	24.70	24.35	0.226	0.245	0.142	0.154	

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	24.94	0.270	0.322	0.141	0.168	
								50	24	24.70	24.35	0.216	0.234	0.113	0.122	
					Left Tilt	21100	2535.0	1	49	25.70	24.94	0.144	0.172	0.071	0.085	
								50	24	24.70	24.35	0.115	0.125	0.057	0.062	
					Right Touch	20850	2510.0	1	49	25.70	24.87	0.711	0.861	0.337	0.408	
						21100	2535.0	1	49	25.70	24.94	0.798	0.951	0.365	0.435	60
								50	24	24.70	24.35	0.646	0.700	0.294	0.319	
						21350	2560.0	1	49	25.70	24.77	0.716	0.887	0.322	0.399	
					Right Tilt	21100	2535.0	1	49	25.70	24.94	0.078	0.093	0.042	0.050	
								50	24	24.70	24.35	0.061	0.066	0.032	0.035	
	Body & Hotspot	QPSK	Mode B	5	Rear	21100	2535.0	1	49	20.30	19.90	0.678	0.743	0.316	0.346	
								50	24	20.30	19.96	0.696	0.753	0.324	0.350	61
					Front	21100	2535.0	1	49	20.30	19.90	0.414	0.454	0.182	0.200	
								50	24	20.30	19.96	0.422	0.456	0.186	0.201	
	Hotspot	QPSK	Mode B	5	Edge 2	20850	2510.0	1	49	20.30	19.85	0.704	0.781	0.288	0.319	
								50	24	20.30	19.95	0.882	0.956	0.359	0.389	62
						21100	2535.0	1	49	20.30	19.90	0.767	0.841	0.315	0.345	
								50	24	20.30	19.96	0.813	0.879	0.330	0.357	
								100	0	20.30	19.95	0.856	0.928	0.345	0.374	
						21350	2560.0	1	49	20.30	19.70	0.819	0.940	0.332	0.381	
								50	24	20.30	19.87	0.793	0.876	0.326	0.360	
					Edge 3	21100	2535.0	1	49	20.30	19.90	0.344	0.377	0.135	0.148	
								50	24	20.30	19.96	0.278	0.301	0.113	0.122	
					Edge 4	21100	2535.0	1	49	20.30	19.90	0.051	0.056	0.025	0.027	
								50	24	20.30	19.96	0.047	0.051	0.023	0.025	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	21100	2535.0	1	49	19.00	18.70	0.230	0.246	0.088	0.094	
								50	24	19.00	18.75	0.242	0.256	0.093	0.099	
					Left Tilt	21100	2535.0	1	49	19.00	18.70	0.191	0.205	0.076	0.081	
								50	24	19.00	18.75	0.194	0.205	0.078	0.082	
					Right Touch	20850	2510.0	1	49	19.00	18.70	0.700	0.750	0.309	0.331	
								50	24	19.00	18.69	0.666	0.715	0.297	0.319	
						21100	2535.0	1	49	19.00	18.70	0.838	0.898	0.354	0.379	
								50	24	19.00	18.75	0.868	0.919	0.372	0.394	63
								100	0	19.00	18.68	0.673	0.724	0.299	0.322	
						21350	2560.0	1	49	19.00	18.60	0.787	0.863	0.334	0.366	
								50	24	19.00	18.69	0.803	0.862	0.340	0.365	
					Right Tilt	21100	2535.0	1	49	19.00	18.70	0.402	0.431	0.164	0.176	
								50	24	19.00	18.75	0.412	0.436	0.168	0.178	
	Body & Hotspot	QPSK	Mode B	5	Rear	20850	2510.0	1	49	19.50	18.70	0.696	0.837	0.286	0.344	
								50	24	19.50	18.69	0.708	0.853	0.293	0.353	
						21100	2535.0	1	49	19.50	18.70	0.767	0.922	0.315	0.379	
								50	24	19.50	18.75	0.804	0.956	0.329	0.391	
								100	0	19.50	18.68	0.792	0.957	0.324	0.391	64
						21350	2560.0	1	49	19.50	18.60	0.623	0.766	0.256	0.315	
								50	24	19.50	18.69	0.617	0.744	0.260	0.313	
					Front	21100	2535.0	1	49	19.50	18.70	0.370	0.445	0.161	0.194	
								50	24	19.50	18.75	0.388	0.461	0.168	0.200	
	Hotspot	QPSK	Mode B	5	Edge 1	21100	2535.0	1	49	19.50	18.70	0.193	0.232	0.077	0.093	
								50	24	19.50	18.75	0.275	0.327	0.103	0.122	
					Edge 2	21100	2535.0	1	49	19.50	18.70	0.017	0.020	0.007	0.008	
								50	24	19.50	18.75	0.016	0.019	0.007	0.008	
					Edge 4	20850	2510.0	1	49	19.50	18.70	0.487	0.586	0.222	0.267	
								50	24	19.50	18.69	0.558	0.672	0.252	0.304	
						21100	2535.0	1	49	19.50	18.70	0.695	0.836	0.332	0.399	
								50	24	19.50	18.75	0.696	0.827	0.333	0.396	
								100	0	19.50	18.68	0.597	0.721	0.261	0.315	
						21350	2560.0	1	49	19.50	18.60	0.759	0.934	0.320	0.394	
								50	24	19.50	18.69	0.771	0.929	0.325	0.392	

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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	21100	2535.0	1	49	22.50	22.15	0.375	0.406	0.205	0.222	
								50	24	22.50	22.03	0.382	0.426	0.208	0.232	65
					Left Tilt	21100	2535.0	1	49	22.50	22.15	0.118	0.128	0.062	0.067	
								50	24	22.50	22.03	0.121	0.135	0.063	0.070	
					Right Touch	21100	2535.0	1	49	22.50	22.15	0.227	0.246	0.127	0.138	
								50	24	22.50	22.03	0.238	0.265	0.133	0.148	
					Right Tilt	21100	2535.0	1	49	22.50	22.15	0.223	0.242	0.109	0.118	
								50	24	22.50	22.03	0.228	0.254	0.112	0.125	
	Body & Hotspot	QPSK	Mode B	5	Rear	20850	2510.0	1	49	18.50	18.00	0.811	0.910	0.380	0.426	
								50	24	18.50	17.99	0.822	0.924	0.384	0.432	66
						21100	2535.0	1	49	18.50	18.02	0.728	0.813	0.340	0.380	
								50	24	18.50	18.00	0.758	0.850	0.354	0.397	
								100	0	18.50	18.00	0.750	0.842	0.351	0.394	
						21350	2560.0	1	49	18.50	17.90	0.693	0.796	0.325	0.373	
								50	24	18.50	17.85	0.721	0.837	0.336	0.390	
					Front	21100	2535.0	1	49	18.50	18.02	0.354	0.395	0.183	0.204	
								50	24	18.50	18.00	0.367	0.412	0.190	0.213	
	Hotspot	QPSK	Mode B	5	Edge 3	21100	2535.0	1	49	18.50	18.02	0.137	0.153	0.068	0.076	
								50	24	18.50	18.00	0.141	0.158	0.070	0.079	
					Edge 4	21100	2535.0	1	49	18.50	18.02	0.568	0.634	0.260	0.290	
								50	24	18.50	18.00	0.593	0.665	0.270	0.303	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	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	17.80	17.00	0.787	0.946	0.395	0.475	
								50	24	17.80	17.05	0.807	**0.959**	0.405	0.481	67
						21100	2535.0	1	49	17.80	17.05	0.680	0.808	0.347	0.412	
								50	24	17.80	17.05	0.717	0.852	0.364	0.433	
								100	0	17.80	17.04	0.703	0.837	0.356	0.424	
						21350	2560.0	1	49	17.80	16.90	0.623	0.766	0.317	0.390	
								50	24	17.80	16.95	0.641	0.780	0.328	0.399	
					Left Tilt	21100	2535.0	1	49	17.80	17.05	0.370	0.440	0.166	0.197	
								50	24	17.80	17.05	0.387	0.460	0.174	0.207	
					Right Touch	21100	2535.0	1	49	17.80	17.05	0.227	0.270	0.133	0.158	
								50	24	17.80	17.05	0.231	0.275	0.134	0.159	
					Right Tilt	21100	2535.0	1	49	17.80	17.05	0.132	0.157	0.067	0.080	
								50	24	17.80	17.05	0.135	0.160	0.070	0.084	
	Body & Hotspot	QPSK	Mode B	5	Rear	20850	2510.0	1	49	20.30	19.60	0.672	0.790	0.349	0.410	
								50	24	20.30	19.55	0.526	0.625	0.275	0.327	
						21100	2535.0	1	49	20.30	19.60	0.736	0.865	0.359	0.422	
								50	24	20.30	19.55	0.759	0.902	0.372	0.442	68
								100	0	20.30	19.49	0.609	0.734	0.309	0.372	
						21350	2560.0	1	49	20.30	19.40	0.524	0.645	0.274	0.337	
								50	24	20.30	19.41	0.543	0.666	0.282	0.346	
					Front	21100	2535.0	1	49	20.30	19.60	0.272	0.320	0.142	0.167	
								50	24	20.30	19.55	0.279	0.332	0.147	0.175	
	Hotspot	QPSK	Mode B	5	Edge 1	21100	2535.0	1	49	20.30	19.60	0.300	0.352	0.122	0.143	
								50	24	20.30	19.55	0.358	0.425	0.139	0.165	
					Edge 2	20850	2510.0	1	49	20.30	19.60	0.752	0.884	0.339	0.398	
								50	24	20.30	19.55	0.769	0.914	0.348	0.414	69
						21100	2535.0	1	49	20.30	19.60	0.701	0.824	0.317	0.372	
								50	24	20.30	19.55	0.719	0.855	0.325	0.386	
								100	0	20.30	19.49	0.531	0.640	0.246	0.296	
						21350	2560.0	1	49	20.30	19.40	0.508	0.625	0.231	0.284	
								50	24	20.30	19.41	0.633	0.777	0.261	0.320	

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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	24.90	0.375	0.451	0.181	0.218	
ANT 1	Body	QPSK	Mode B	5	Rear	20850	2510.0	1	99	21048	2529.8	1	0	20.30	20.15	0.452	0.468	0.204	0.211	
ANT 1	Hotspot	QPSK	Mode B	5	Edge 2	20850	2510.0	1	99	21048	2529.8	1	0	20.30	20.15	0.810	0.838	0.338	0.350	
ANT 2	Head	QPSK	Mode A	0	Right Touch	21001	2525.1	1	99	21199	2544.9	1	0	19.00	18.35	0.454	0.527	0.210	0.244	
ANT 2	Body	QPSK	Mode B	5	Rear	21001	2525.1	1	99	21199	2544.9	1	0	19.50	19.47	0.768	0.773	0.312	0.314	
ANT 2	Hotspot	QPSK	Mode B	5	Edge 4	21152	2540.2	1	99	21350	2560.0	1	0	19.50	19.20	0.168	0.180	0.070	0.075	
ANT 3	Head	QPSK	Mode A	0	Left Touch	21001	2525.1	1	99	21199	2544.9	1	0	22.50	21.58	0.387	0.478	0.218	0.269	
ANT 3	Body	QPSK	Mode B	5	Rear	20850	2510.0	1	99	21048	2529.8	1	0	18.50	17.90	0.760	0.873	0.359	0.412	
ANT 3	Hotspot	QPSK	Mode B	5	Edge 4	21001	2525.1	1	99	21199	2544.9	1	0	18.50	17.84	0.518	0.603	0.246	0.286	
ANT 4	Head	QPSK	Mode A	0	Left Touch	20850	2510.0	1	99	21048	2529.8	1	0	17.80	17.32	0.747	0.834	0.371	0.414	
ANT 4	Body	QPSK	Mode B	5	Rear	21001	2525.1	1	99	21199	2544.9	1	0	20.30	19.22	0.411	0.527	0.206	0.264	
ANT 4	Hotspot	QPSK	Mode B	5	Edge 2	20850	2510.0	1	99	21048	2529.8	1	0	20.30	19.74	0.254	0.289	0.125	0.142	

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	24.95	0.147	0.175	0.113	0.134	
								25	12	24.70	24.70	0.120	0.120	0.093	0.093	
					Left Tilt	23095	707.5	1	25	25.70	24.95	0.067	0.080	0.054	0.064	
								25	12	24.70	24.70	0.054	0.054	0.043	0.043	
					Right Touch	23095	707.5	1	25	25.70	24.95	0.165	0.196	0.124	0.147	70
								25	12	24.70	24.70	0.137	0.137	0.105	0.105	
					Right Tilt	23095	707.5	1	25	25.70	24.95	0.085	0.101	0.067	0.080	
								25	12	24.70	24.70	0.066	0.066	0.053	0.053	
	Body & Hotspot	QPSK	Mode B	5	Rear	23095	707.5	1	25	25.70	24.95	0.542	0.644	0.297	0.353	71
								25	12	24.70	24.70	0.390	0.390	0.190	0.190	
					Front	23095	707.5	1	25	25.70	24.95	0.257	0.305	0.157	0.187	
								25	12	24.70	24.70	0.211	0.211	0.128	0.128	
	Hotspot	QPSK	Mode B	5	Edge 2	23095	707.5	1	25	25.70	24.95	0.564	0.670	0.370	0.440	72
								25	12	24.70	24.70	0.468	0.468	0.306	0.306	
					Edge 3	23095	707.5	1	25	25.70	24.95	0.275	0.327	0.126	0.150	
								25	12	24.70	24.70	0.226	0.226	0.103	0.103	
					Edge 4	23095	707.5	1	25	25.70	24.95	0.268	0.319	0.173	0.206	
								25	12	24.70	24.70	0.215	0.215	0.139	0.139	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	23095	707.5	1	25	24.70	24.33	0.727	0.792	0.412	0.449	73
								25	12	23.70	23.54	0.609	0.632	0.340	0.353	
					Left Tilt	23095	707.5	1	25	24.70	24.33	0.625	0.681	0.309	0.336	
								25	12	23.70	23.54	0.421	0.437	0.215	0.223	
					Right Touch	23095	707.5	1	25	24.70	24.33	0.663	0.722	0.419	0.456	
								25	12	23.70	23.54	0.327	0.339	0.215	0.223	
					Right Tilt	23095	707.5	1	25	24.70	24.33	0.504	0.549	0.289	0.315	
								25	12	23.70	23.54	0.395	0.410	0.212	0.220	
	Body & Hotspot	QPSK	Mode B	5	Rear	23095	707.5	1	25	24.70	24.33	0.422	0.460	0.254	0.277	74
								25	12	23.70	23.54	0.399	0.414	0.221	0.229	
					Front	23095	707.5	1	25	24.70	24.33	0.226	0.246	0.147	0.160	
								25	12	23.70	23.54	0.191	0.198	0.123	0.128	
	Hotspot	QPSK	Mode B	5	Edge 1	23095	707.5	1	25	24.70	24.33	0.149	0.162	0.073	0.079	
								25	12	23.70	23.54	0.123	0.128	0.060	0.062	
					Edge 2	23095	707.5	1	25	24.70	24.33	0.105	0.114	0.068	0.074	
								25	12	23.70	23.54	0.091	0.094	0.059	0.061	
					Edge 4	23095	707.5	1	25	24.70	24.33	0.195	0.212	0.127	0.138	
								25	12	23.70	23.54	0.191	0.198	0.126	0.131	

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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	24.80	0.191	0.235	0.146	0.180	
								25	12	24.70	24.61	0.145	0.148	0.112	0.114	
					Left Tilt	23230	782.0	1	25	25.70	24.80	0.107	0.132	0.084	0.103	
								25	12	24.70	24.61	0.095	0.097	0.076	0.078	
					Right Touch	23230	782.0	1	25	25.70	24.80	0.224	0.276	0.169	0.208	75
								25	12	24.70	24.61	0.179	0.183	0.136	0.139	
					Right Tilt	23230	782.0	1	25	25.70	24.80	0.117	0.144	0.091	0.112	
								25	12	24.70	24.61	0.097	0.099	0.077	0.079	
	Body & Hotspot	QPSK	Mode B	5	Rear	23230	782.0	1	25	25.70	24.80	0.456	0.561	0.267	0.328	76
								25	12	24.70	24.61	0.422	0.431	0.241	0.246	
					Front	23230	782.0	1	25	25.70	24.80	0.272	0.335	0.170	0.209	
								25	12	24.70	24.61	0.212	0.216	0.132	0.135	
	Hotspot	QPSK	Mode B	5	Edge 2	23230	782.0	1	25	25.70	24.80	0.695	0.855	0.449	0.552	77
								25	12	24.70	24.61	0.600	0.613	0.387	0.395	
					Edge 3	23230	782.0	1	25	25.70	24.80	0.267	0.328	0.122	0.150	
								25	12	24.70	24.61	0.261	0.266	0.118	0.120	
					Edge 4	23230	782.0	1	25	25.70	24.80	0.289	0.356	0.185	0.228	
								25	12	24.70	24.61	0.250	0.255	0.160	0.163	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	23230	782.0	1	25	24.70	24.24	0.689	0.766	0.426	0.474	78
								25	12	23.70	23.47	0.661	0.697	0.398	0.420	
					Left Tilt	23230	782.0	1	25	24.70	24.24	0.606	0.674	0.313	0.348	
								25	12	23.70	23.47	0.558	0.588	0.288	0.304	
					Right Touch	23230	782.0	1	25	24.70	24.24	0.580	0.645	0.393	0.437	
								25	12	23.70	23.47	0.615	0.648	0.411	0.433	
					Right Tilt	23230	782.0	1	25	24.70	24.24	0.485	0.539	0.276	0.307	
								25	12	23.70	23.47	0.447	0.471	0.255	0.269	
	Body & Hotspot	QPSK	Mode B	5	Rear	23230	782.0	1	25	24.70	24.24	0.609	0.677	0.376	0.418	79
								25	12	23.70	23.47	0.405	0.427	0.240	0.253	
					Front	23230	782.0	1	25	24.70	24.24	0.300	0.334	0.196	0.218	
								25	12	23.70	23.47	0.221	0.233	0.149	0.157	
	Hotspot	QPSK	Mode B	5	Edge 1	23230	782.0	1	25	24.70	24.24	0.166	0.185	0.084	0.093	
								25	12	23.70	23.47	0.143	0.151	0.074	0.078	
					Edge 2	23230	782.0	1	25	24.70	24.24	0.235	0.261	0.152	0.169	
								25	12	23.70	23.47	0.179	0.189	0.116	0.122	
					Edge 4	23230	782.0	1	25	24.70	24.24	0.328	0.365	0.214	0.238	
								25	12	23.70	23.47	0.244	0.257	0.160	0.169	

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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	25.60	0.148	0.151	0.112	0.115	
								25	12	24.70	24.61	0.119	0.121	0.090	0.092	
					Left Tilt	23330	793.0	1	25	25.70	25.60	0.080	0.082	0.064	0.065	
								25	12	24.70	24.61	0.066	0.067	0.052	0.053	
					Right Touch	23330	793.0	1	25	25.70	25.60	0.196	0.201	0.147	0.150	80
								25	12	24.70	24.61	0.144	0.147	0.107	0.109	
					Right Tilt	23330	793.0	1	25	25.70	25.60	0.111	0.114	0.088	0.090	
								25	12	24.70	24.61	0.069	0.070	0.054	0.055	
	Body & Hotspot	QPSK	Mode B	5	Rear	23330	793.0	1	25	25.70	25.60	0.425	0.435	0.251	0.257	81
								25	12	24.70	24.61	0.378	0.386	0.217	0.222	
					Front	23330	793.0	1	25	25.70	25.60	0.312	0.319	0.189	0.193	
								25	12	24.70	24.61	0.200	0.204	0.123	0.126	
	Hotspot	QPSK	Mode B	5	Edge 2	23330	793.0	1	25	25.70	25.60	0.762	0.780	0.494	0.506	82
								25	12	24.70	24.61	0.532	0.543	0.342	0.349	
					Edge 3	23330	793.0	1	25	25.70	25.60	0.298	0.305	0.131	0.134	
								25	12	24.70	24.61	0.204	0.208	0.090	0.092	
					Edge 4	23330	793.0	1	25	25.70	25.60	0.354	0.362	0.227	0.232	
								25	12	24.70	24.61	0.241	0.246	0.154	0.157	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	23330	793.0	1	25	24.70	24.34	0.754	0.819	0.447	0.486	83
								25	12	23.70	23.40	0.531	0.569	0.341	0.365	
					Left Tilt	23330	793.0	1	25	24.70	24.34	0.543	0.590	0.291	0.316	
								25	12	23.70	23.40	0.473	0.507	0.254	0.272	
					Right Touch	23330	793.0	1	25	24.70	24.34	0.594	0.645	0.388	0.422	
								25	12	23.70	23.40	0.517	0.554	0.355	0.380	
					Right Tilt	23330	793.0	1	25	24.70	24.34	0.476	0.517	0.261	0.284	
								25	12	23.70	23.40	0.353	0.378	0.225	0.241	
	Body & Hotspot	QPSK	Mode B	5	Rear	23330	793.0	1	25	24.70	24.34	0.464	0.504	0.277	0.301	84
								25	12	23.70	23.40	0.382	0.409	0.221	0.237	
					Front	23330	793.0	1	25	24.70	24.34	0.283	0.307	0.187	0.203	
								25	12	23.70	23.40	0.250	0.268	0.161	0.173	
	Hotspot	QPSK	Mode B	5	Edge 1	23330	793.0	1	25	24.70	24.34	0.160	0.174	0.084	0.091	
								25	12	23.70	23.40	0.128	0.137	0.068	0.073	
					Edge 2	23330	793.0	1	25	24.70	24.34	0.275	0.299	0.178	0.193	
								25	12	23.70	23.40	0.210	0.225	0.136	0.146	
					Edge 4	23330	793.0	1	25	24.70	24.34	0.350	0.380	0.227	0.247	
								25	12	23.70	23.40	0.246	0.264	0.160	0.171	

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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	25.12	0.148	0.169	0.094	0.107	
								50	24	24.70	24.40	0.116	0.124	0.074	0.080	
					Left Tilt	26365	1882.5	1	49	25.70	25.12	0.093	0.106	0.056	0.064	
								50	24	24.70	24.40	0.075	0.080	0.045	0.048	
					Right Touch	26365	1882.5	1	49	25.70	25.12	0.345	0.394	0.211	0.241	85
								50	24	24.70	24.40	0.281	0.301	0.172	0.184	
					Right Tilt	26365	1882.5	1	49	25.70	25.12	0.088	0.101	0.056	0.064	
								50	24	24.70	24.40	0.070	0.075	0.044	0.047	
	Body & Hotspot	QPSK	Mode B	5	Rear	26365	1882.5	1	49	20.00	19.20	0.320	0.385	0.156	0.188	
								50	24	20.00	19.26	0.363	0.430	0.176	0.209	86
					Front	26365	1882.5	1	49	20.00	19.20	0.246	0.296	0.129	0.155	
								50	24	20.00	19.26	0.242	0.287	0.127	0.151	
	Hotspot	QPSK	Mode B	5	Edge 2	26365	1882.5	1	49	20.00	19.20	0.242	0.291	0.116	0.139	
								50	24	20.00	19.26	0.247	0.293	0.118	0.140	
					Edge 3	26140	1860.0	1	49	20.00	19.11	0.742	0.911	0.342	0.420	
								50	24	20.00	19.21	0.775	0.930	0.356	0.427	87
						26365	1882.5	1	49	20.00	19.20	0.753	0.905	0.347	0.417	
								50	24	20.00	19.26	0.778	0.923	0.357	0.423	
								100	0	20.00	19.30	0.776	0.912	0.356	0.418	
						26590	1905.0	1	49	20.00	19.11	0.669	0.821	0.309	0.379	
								50	24	20.00	19.26	0.690	0.818	0.317	0.376	
					Edge 4	26365	1882.5	1	49	20.00	19.20	0.018	0.021	0.009	0.011	
								50	24	20.00	19.26	0.017	0.020	0.008	0.010	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	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	20.70	20.10	0.240	0.276	0.146	0.168	
								50	24	20.70	20.21	0.242	0.271	0.147	0.165	
					Left Tilt	26365	1882.5	1	49	20.70	20.10	0.168	0.193	0.091	0.104	
								50	24	20.70	20.21	0.170	0.190	0.091	0.102	
					Right Touch	26140	1860.0	1	49	20.70	20.00	0.629	0.739	0.341	0.401	
								50	24	20.70	20.04	0.659	0.767	0.355	0.413	
						26365	1882.5	1	49	20.70	20.10	0.737	0.846	0.393	0.451	88
								50	24	20.70	20.21	0.733	0.821	0.391	0.438	
								100	0	20.70	20.10	0.717	0.823	0.388	0.445	
						26590	1905.0	1	49	20.70	20.10	0.671	0.770	0.357	0.410	
								50	24	20.70	20.21	0.654	0.732	0.355	0.397	
					Right Tilt	26365	1882.5	1	49	20.70	20.10	0.523	0.600	0.255	0.293	
								50	24	20.70	20.21	0.520	0.582	0.254	0.284	
	Body & Hotspot	QPSK	Mode B	5	Rear	26140	1860.0	1	49	21.70	21.10	0.694	0.797	0.315	0.362	
								50	24	21.70	21.08	0.689	0.795	0.312	0.360	
						26365	1882.5	1	49	21.70	21.20	0.760	0.853	0.344	0.386	
								50	24	21.70	21.17	0.770	0.870	0.347	0.392	
								100	0	21.70	21.17	0.773	0.873	0.348	0.393	
						26590	1905.0	1	49	21.70	21.17	0.829	0.937	0.372	0.420	
								50	24	21.70	21.17	0.841	0.950	0.378	0.427	89
					Front	26365	1882.5	1	49	21.70	21.20	0.488	0.548	0.249	0.279	
								50	24	21.70	21.17	0.491	0.555	0.249	0.281	
	Hotspot	QPSK	Mode B	5	Edge 1	26365	1882.5	1	49	21.70	21.20	0.361	0.405	0.156	0.175	
								50	24	21.70	21.17	0.363	0.410	0.158	0.179	
					Edge 2	26365	1882.5	1	49	21.70	21.20	0.012	0.013	0.006	0.006	
								50	24	21.70	21.17	0.013	0.015	0.005	0.006	
					Edge 4	26365	1882.5	1	49	21.70	21.20	0.441	0.495	0.220	0.247	
								50	24	21.70	21.17	0.451	0.510	0.226	0.255	

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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	24.00	23.50	0.345	0.387	0.205	0.230	
								50	24	24.00	23.40	0.353	0.405	0.210	0.241	90
					Left Tilt	26365	1882.5	1	49	24.00	23.50	0.191	0.214	0.112	0.126	
								50	24	24.00	23.40	0.192	0.220	0.112	0.129	
					Right Touch	26365	1882.5	1	49	24.00	23.50	0.153	0.172	0.094	0.105	
								50	24	24.00	23.40	0.156	0.179	0.095	0.109	
					Right Tilt	26365	1882.5	1	49	24.00	23.50	0.160	0.180	0.095	0.107	
								50	24	24.00	23.40	0.161	0.185	0.096	0.110	
	Body & Hotspot	QPSK	Mode B	5	Rear	26365	1882.5	1	49	20.00	19.50	0.701	0.787	0.399	0.448	
								50	24	20.00	19.60	0.724	0.794	0.410	0.450	91
					Front	26365	1882.5	1	49	20.00	19.50	0.340	0.381	0.185	0.208	
								50	24	20.00	19.60	0.405	0.444	0.220	0.241	
	Hotspot	QPSK	Mode B	5	Edge 3	26365	1882.5	1	49	20.00	19.50	0.286	0.321	0.139	0.156	
								50	24	20.00	19.60	0.290	0.318	0.141	0.155	
					Edge 4	26140	1860.0	1	49	20.00	19.50	0.694	0.779	0.354	0.397	
								50	24	20.00	19.46	0.723	0.819	0.368	0.417	
						26365	1882.5	1	49	20.00	19.50	0.757	0.849	0.386	0.433	
								50	24	20.00	19.60	0.773	0.848	0.394	0.432	
								100	0	20.00	19.50	0.771	0.865	0.392	0.440	
						26590	1905.0	1	49	20.00	19.45	0.806	0.915	0.412	0.468	
								50	24	20.00	19.46	0.827	0.936	0.423	0.479	92

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	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	18.50	17.88	0.728	0.840	0.378	0.436	
								50	24	18.50	17.98	0.725	0.817	0.376	0.424	
						26365	1882.5	1	49	18.50	17.88	0.776	0.895	0.404	0.466	
								50	24	18.50	17.98	0.803	0.905	0.417	0.470	
								100	0	18.50	17.93	0.793	0.904	0.412	0.470	
						26590	1905.0	1	49	18.50	17.87	0.826	0.955	0.431	0.498	93
								50	24	18.50	17.94	0.794	0.903	0.428	0.487	
					Left Tilt	26365	1882.5	1	49	18.50	17.88	0.473	0.546	0.233	0.269	
								50	24	18.50	17.98	0.484	0.546	0.235	0.265	
					Right Touch	26365	1882.5	1	49	18.50	17.88	0.204	0.235	0.115	0.133	
								50	24	18.50	17.98	0.208	0.234	0.118	0.133	
					Right Tilt	26365	1882.5	1	49	18.50	17.88	0.161	0.186	0.089	0.103	
								50	24	18.50	17.98	0.163	0.184	0.090	0.101	
	Body & Hotspot	QPSK	Mode B	5	Rear	26365	1882.5	1	49	19.80	19.33	0.656	0.731	0.351	0.391	
								50	24	19.80	19.30	0.664	0.745	0.354	0.397	94
					Front	26365	1882.5	1	49	19.80	19.33	0.416	0.464	0.233	0.260	
								50	24	19.80	19.30	0.419	0.470	0.234	0.263	
	Hotspot	QPSK	Mode B	5	Edge 1	26365	1882.5	1	49	19.80	19.33	0.335	0.373	0.157	0.175	
								50	24	19.80	19.30	0.338	0.379	0.158	0.177	
					Edge 2	26140	1860.0	1	49	19.80	19.30	0.762	0.855	0.374	0.420	
								50	24	19.80	19.30	0.785	0.881	0.384	0.431	
						26365	1882.5	1	49	19.80	19.33	0.801	0.893	0.393	0.438	
								50	24	19.80	19.30	0.815	0.914	0.398	0.447	
								100	0	19.80	19.30	0.816	0.916	0.399	0.448	
						26590	1905.0	1	49	19.80	19.17	0.814	0.941	0.396	0.458	
								50	24	19.80	19.25	0.843	0.957	0.410	0.465	95

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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	24.86	0.163	0.198	0.124	0.150	
								25	12	24.70	24.69	0.134	0.134	0.102	0.102	
					Left Tilt	26865	831.5	1	25	25.70	24.86	0.119	0.144	0.090	0.109	
								25	12	24.70	24.69	0.078	0.078	0.061	0.061	
					Right Touch	26865	831.5	1	25	25.70	24.86	0.180	0.218	0.137	0.166	96
								25	12	24.70	24.69	0.145	0.145	0.112	0.112	
					Right Tilt	26865	831.5	1	25	25.70	24.86	0.101	0.123	0.079	0.096	
								25	12	24.70	24.69	0.082	0.082	0.065	0.065	
	Body & Hotspot	QPSK	Mode B	5	Rear	26740	819.0	1	25	25.20	24.53	0.721	0.841	0.379	0.442	
								25	12	24.70	24.12	0.718	0.821	0.369	0.422	
						26865	831.5	1	25	25.20	24.65	0.791	0.898	0.417	0.473	
								25	12	24.70	24.21	0.787	0.881	0.408	0.457	
								50	0	24.70	24.19	0.563	0.633	0.301	0.339	
						26990	844.0	1	25	25.20	24.63	0.818	0.933	0.427	0.487	97
								25	12	24.70	24.21	0.791	0.885	0.424	0.475	
					Front	26865	831.5	1	25	25.20	24.65	0.356	0.404	0.197	0.224	
								25	12	24.70	24.21	0.333	0.373	0.184	0.206	
	Hotspot	QPSK	Mode B	5	Edge 2	26865	831.5	1	25	25.20	24.65	0.702	0.797	0.447	0.507	
								25	12	24.70	24.21	0.649	0.727	0.410	0.459	
					Edge 3	26865	831.5	1	25	25.20	24.65	0.441	0.501	0.198	0.225	
								25	12	24.70	24.21	0.440	0.493	0.195	0.218	
					Edge 4	26865	831.5	1	25	25.20	24.65	0.213	0.242	0.136	0.154	
								25	12	24.70	24.21	0.192	0.215	0.123	0.138	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	26740	819.0	1	25	24.70	24.36	0.717	0.775	0.479	0.518	
								25	12	23.70	23.50	0.645	0.675	0.412	0.431	
						26865	831.5	1	25	24.70	24.46	0.896	0.947	0.546	0.577	98
								25	12	23.70	23.52	0.807	0.841	0.490	0.511	
								50	0	23.70	23.51	0.804	0.840	0.490	0.512	
						26990	844.0	1	25	24.70	24.46	0.786	0.831	0.515	0.544	
								25	12	23.70	23.51	0.647	0.676	0.428	0.447	
					Left Tilt	26865	831.5	1	25	24.70	24.46	0.588	0.621	0.332	0.351	
								25	12	23.70	23.52	0.475	0.495	0.273	0.285	
					Right Touch	26740	819.0	1	25	24.70	24.36	0.745	0.806	0.513	0.555	
						26865	831.5	1	25	24.70	24.46	0.791	0.836	0.537	0.568	
								25	12	23.70	23.52	0.619	0.645	0.426	0.444	
						26990	844.0	1	25	24.70	24.46	0.820	0.867	0.543	0.574	
					Right Tilt	26865	831.5	1	25	24.70	24.46	0.393	0.415	0.220	0.232	
								25	12	23.70	23.52	0.346	0.361	0.193	0.201	
	Body & Hotspot	QPSK	Mode B	5	Rear	26865	831.5	1	25	24.70	24.36	0.456	0.493	0.284	0.307	99
								25	12	23.70	23.50	0.339	0.355	0.211	0.221	
					Front	26865	831.5	1	25	24.70	24.36	0.277	0.300	0.181	0.196	
								25	12	23.70	23.50	0.265	0.277	0.171	0.179	
	Hotspot	QPSK	Mode B	5	Edge 1	26865	831.5	1	25	24.70	24.36	0.123	0.133	0.063	0.068	
								25	12	23.70	23.50	0.103	0.108	0.053	0.055	
					Edge 2	26865	831.5	1	25	24.70	24.36	0.149	0.161	0.084	0.091	
								25	12	23.70	23.50	0.095	0.099	0.061	0.064	
					Edge 4	26865	831.5	1	25	24.70	24.36	0.209	0.226	0.135	0.146	
								25	12	23.70	23.50	0.184	0.193	0.117	0.123	

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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	25.50	24.80	0.278	0.327	0.148	0.174	
								25	12	24.50	24.19	0.227	0.244	0.120	0.129	
					Left Tilt	27710	2310.0	1	25	25.50	24.80	0.270	0.317	0.147	0.173	
								25	12	24.50	24.19	0.215	0.231	0.115	0.124	
					Right Touch	27710	2310.0	1	25	25.50	24.80	0.329	0.387	0.185	0.217	100
								25	12	24.50	24.19	0.267	0.287	0.151	0.162	
					Right Tilt	27710	2310.0	1	25	25.50	24.80	0.198	0.233	0.110	0.129	
								25	12	24.50	24.19	0.163	0.175	0.090	0.096	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	20.20	20.14	0.819	0.830	0.357	0.362	101
								25	12	20.20	20.20	0.775	0.775	0.342	0.342	
								50	0	20.20	20.20	0.789	0.789	0.348	0.348	
					Front	27710	2310.0	1	25	20.20	20.14	0.517	0.524	0.236	0.239	
								25	12	20.20	20.20	0.446	0.446	0.210	0.210	
	Hotspot	QPSK	Mode B	5	Edge 2	27710	2310.0	1	25	20.20	20.14	0.852	0.864	0.352	0.357	102
								25	12	20.20	20.20	0.834	0.834	0.348	0.348	
								50	0	20.20	20.20	0.832	0.832	0.347	0.347	
					Edge 3	27710	2310.0	1	25	20.20	20.14	0.393	0.398	0.160	0.162	
								25	12	20.20	20.20	0.428	0.428	0.173	0.173	
					Edge 4	27710	2310.0	1	25	20.20	20.14	0.060	0.061	0.028	0.028	
								25	12	20.20	20.20	0.063	0.063	0.029	0.029	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	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	19.00	18.40	0.782	0.898	0.303	0.348	
								25	12	19.00	18.46	0.818	0.926	0.317	0.359	103
								50	0	19.00	18.46	0.816	0.924	0.316	0.358	
					Left Tilt	27710	2310.0	1	25	19.00	18.40	0.775	0.890	0.297	0.341	
								25	12	19.00	18.46	0.812	0.920	0.311	0.352	
								50	0	19.00	18.46	0.812	0.920	0.312	0.353	
					Right Touch	27710	2310.0	1	25	19.00	18.40	0.567	0.651	0.251	0.288	
								25	12	19.00	18.46	0.594	0.673	0.264	0.299	
					Right Tilt	27710	2310.0	1	25	19.00	18.40	0.568	0.652	0.237	0.272	
								25	12	19.00	18.46	0.602	0.682	0.255	0.289	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	20.30	19.91	0.530	0.580	0.224	0.245	
								25	12	20.30	19.80	0.554	0.622	0.235	0.264	104
					Front	27710	2310.0	1	25	20.30	19.91	0.494	0.540	0.223	0.244	
								25	12	20.30	19.80	0.518	0.581	0.234	0.263	
	Hotspot	QPSK	Mode B	5	Edge 1	27710	2310.0	1	25	20.30	19.91	0.746	0.816	0.274	0.300	
								25	12	20.30	19.80	0.786	0.882	0.289	0.324	
								50	0	20.30	19.80	0.726	0.815	0.268	0.301	
					Edge 2	27710	2310.0	1	25	20.30	19.91	0.058	0.063	0.026	0.028	
								25	12	20.30	19.80	0.055	0.061	0.024	0.027	
					Edge 4	27710	2310.0	1	25	20.30	19.91	0.866	0.947	0.410	0.449	105
								25	12	20.30	19.80	0.826	0.927	0.390	0.438	
								50	0	20.30	19.80	0.813	0.912	0.386	0.433	

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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	22.30	21.84	0.435	0.484	0.240	0.267	
								25	12	22.30	21.84	0.449	0.499	0.248	0.276	106
					Left Tilt	27710	2310.0	1	25	22.30	21.84	0.132	0.147	0.072	0.080	
								25	12	22.30	21.84	0.114	0.127	0.066	0.073	
					Right Touch	27710	2310.0	1	25	22.30	21.84	0.234	0.260	0.135	0.150	
								25	12	22.30	21.84	0.242	0.269	0.139	0.155	
					Right Tilt	27710	2310.0	1	25	22.30	21.84	0.177	0.197	0.095	0.106	
								25	12	22.30	21.84	0.175	0.195	0.095	0.106	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	18.50	18.10	0.854	0.936	0.429	0.470	
								25	12	18.50	18.13	0.880	**0.958**	0.443	0.482	107
								50	0	18.50	18.12	0.858	0.936	0.430	0.469	
					Front	27710	2310.0	1	25	18.50	18.10	0.500	0.548	0.275	0.302	
								25	12	18.50	18.13	0.521	0.567	0.287	0.313	
	Hotspot	QPSK	Mode B	5	Edge 3	27710	2310.0	1	25	18.50	18.10	0.238	0.261	0.121	0.133	
								25	12	18.50	18.13	0.248	0.270	0.126	0.137	
					Edge 4	27710	2310.0	1	25	18.50	18.10	0.676	0.741	0.320	0.351	
								25	12	18.50	18.13	0.643	0.700	0.312	0.340	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	QPSK	Mode A	0	Left Touch	27710	2310.0	1	25	18.50	17.86	0.733	0.849	0.357	0.414	
								25	12	18.50	18.00	0.764	0.857	0.373	0.419	108
								50	0	18.50	17.99	0.761	0.856	0.371	0.417	
					Left Tilt	27710	2310.0	1	25	18.50	17.86	0.460	0.533	0.206	0.239	
								25	12	18.50	18.00	0.472	0.530	0.212	0.238	
					Right Touch	27710	2310.0	1	25	18.50	17.86	0.229	0.265	0.122	0.141	
								25	12	18.50	18.00	0.239	0.268	0.127	0.142	
					Right Tilt	27710	2310.0	1	25	18.50	17.86	0.128	0.148	0.068	0.078	
								25	12	18.50	18.00	0.135	0.151	0.071	0.079	
	Body & Hotspot	QPSK	Mode B	5	Rear	27710	2310.0	1	25	19.50	18.95	0.584	0.663	0.313	0.355	
								25	12	19.50	19.10	0.612	0.671	0.325	0.356	109
					Front	27710	2310.0	1	25	19.50	18.95	0.336	0.381	0.166	0.188	
								25	12	19.50	19.10	0.346	0.379	0.172	0.189	
	Hotspot	QPSK	Mode B	5	Edge 1	27710	2310.0	1	25	19.50	18.95	0.146	0.166	0.060	0.068	
								25	12	19.50	19.10	0.146	0.160	0.059	0.065	
					Edge 2	27710	2310.0	1	25	19.50	18.95	0.825	0.936	0.373	0.423	
								25	12	19.50	19.10	0.868	0.952	0.392	0.430	110
								50	0	19.50	19.07	0.859	0.948	0.389	0.429	

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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	25.61	0.129	0.132	0.071	0.072	
								50	24	24.70	24.70	0.104	0.104	0.058	0.058	
					Left Tilt	40620	2593.0	1	49	25.70	25.61	0.078	0.079	0.039	0.040	
								50	24	24.70	24.70	0.064	0.064	0.032	0.032	
					Right Touch	40620	2593.0	1	49	25.70	25.61	0.246	0.251	0.117	0.119	111
								50	24	24.70	24.70	0.200	0.200	0.095	0.095	
					Right Tilt	40620	2593.0	1	49	25.70	25.61	0.041	0.042	0.018	0.018	
								50	24	24.70	24.70	0.030	0.030	0.015	0.015	
	Body & Hotspot	QPSK	Mode B	5	Rear	40620	2593.0	1	49	24.00	23.53	0.437	0.487	0.221	0.246	112
								50	24	24.00	23.72	0.453	0.483	0.229	0.244	
					Front	40620	2593.0	1	49	24.00	23.53	0.373	0.416	0.138	0.154	
								50	24	24.00	23.72	0.384	0.410	0.143	0.153	
	Hotspot	QPSK	Mode B	5	Edge 2	39750	2506.0	1	49	24.00	23.49	0.587	0.660	0.241	0.271	
								50	24	24.00	23.65	0.611	0.662	0.250	0.271	
						40185	2549.5	1	49	24.00	23.52	0.736	0.822	0.299	0.334	
								50	24	24.00	23.72	0.834	0.890	0.334	0.356	113
						40620	2593.0	1	49	24.00	23.53	0.735	0.819	0.303	0.338	
								50	24	24.00	23.72	0.802	0.855	0.328	0.350	
								100	0	24.00	23.70	0.800	0.857	0.327	0.350	
						41055	2636.5	1	49	24.00	23.30	0.534	0.627	0.216	0.254	
								50	24	24.00	23.39	0.548	0.631	0.222	0.255	
						41490	2680.0	1	49	24.00	23.53	0.590	0.657	0.236	0.263	
								50	24	24.00	23.23	0.490	0.585	0.203	0.242	
					Edge 3	40620	2593.0	1	49	24.00	23.53	0.575	0.641	0.204	0.227	
								50	24	24.00	23.72	0.608	0.648	0.212	0.226	
					Edge 4	40620	2593.0	1	49	24.00	23.53	0.094	0.105	0.041	0.045	
								50	24	24.00	23.72	0.098	0.105	0.043	0.046	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	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	20.50	19.93	0.292	0.333	0.118	0.135	
								50	24	20.50	20.00	0.304	0.341	0.122	0.137	
					Left Tilt	40620	2593.0	1	49	20.50	19.93	0.306	0.349	0.119	0.136	
								50	24	20.50	20.00	0.316	0.355	0.123	0.138	
					Right Touch	39750	2506.0	1	49	20.50	19.85	0.571	0.663	0.266	0.309	
								50	24	20.50	19.96	0.615	0.696	0.286	0.324	
						40185	2549.5	1	49	20.50	19.85	0.727	0.844	0.325	0.377	
								50	24	20.50	19.96	0.755	0.855	0.337	0.382	114
						40620	2593.0	1	49	20.50	19.93	0.702	0.800	0.301	0.343	
								50	24	20.50	20.00	0.733	0.822	0.314	0.352	
								100	0	20.50	19.95	0.731	0.830	0.314	0.356	
						41055	2636.5	1	49	20.50	19.93	0.534	0.609	0.222	0.253	
								50	24	20.50	20.00	0.557	0.625	0.232	0.260	
						41490	2680.0	1	49	20.50	19.93	0.475	0.542	0.193	0.220	
								50	24	20.50	19.95	0.505	0.573	0.205	0.233	
					Right Tilt	40620	2593.0	1	49	20.50	19.93	0.570	0.650	0.215	0.245	
								50	24	20.50	20.00	0.579	0.650	0.220	0.247	
	Body & Hotspot	QPSK	Mode B	5	Rear	39750	2506.0	1	49	20.50	19.85	0.519	0.603	0.215	0.250	
								50	24	20.50	19.96	0.543	0.615	0.224	0.254	
						40185	2549.5	1	49	20.50	19.85	0.519	0.603	0.218	0.253	
								50	24	20.50	19.96	0.544	0.616	0.227	0.257	
						40620	2593.0	1	49	20.50	19.93	0.761	0.868	0.302	0.344	
								50	24	20.50	20.00	0.792	0.889	0.314	0.352	115
								100	0	20.50	19.95	0.753	0.855	0.305	0.346	
						41055	2636.5	1	49	20.50	19.93	0.600	0.684	0.237	0.270	
								50	24	20.50	20.00	0.627	0.704	0.247	0.277	
						41490	2680.0	1	49	20.50	19.93	0.545	0.621	0.214	0.244	
								50	24	20.50	19.95	0.565	0.641	0.222	0.252	
					Front	40620	2593.0	1	49	20.50	19.93	0.343	0.391	0.143	0.163	
								50	24	20.50	20.00	0.345	0.387	0.144	0.162	
	Hotspot	QPSK	Mode B	5	Edge 1	40620	2593.0	1	49	20.50	19.93	0.184	0.210	0.073	0.083	
								50	24	20.50	20.00	0.211	0.237	0.079	0.089	
					Edge 2	40620	2593.0	1	49	20.50	19.93	0.021	0.024	0.009	0.011	
								50	24	20.50	20.00	0.021	0.024	0.010	0.011	
					Edge 4	40620	2593.0	1	49	20.50	19.93	0.674	0.769	0.285	0.325	
								50	24	20.50	20.00	0.712	0.799	0.301	0.338	

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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	25.50	25.25	0.468	0.496	0.249	0.264	116
								50	24	24.70	24.21	0.409	0.458	0.217	0.243	
					Left Tilt	40620	2593.0	1	49	25.50	25.25	0.144	0.153	0.075	0.079	
								50	24	24.70	24.21	0.121	0.135	0.063	0.071	
					Right Touch	40620	2593.0	1	49	25.50	25.25	0.306	0.324	0.170	0.180	
								50	24	24.70	24.21	0.268	0.300	0.149	0.167	
					Right Tilt	40620	2593.0	1	49	25.50	25.25	0.239	0.253	0.122	0.129	
								50	24	24.70	24.21	0.200	0.224	0.101	0.113	
	Body & Hotspot	QPSK	Mode B	5	Rear	39750	2506.0	1	49	19.80	18.95	0.560	0.681	0.259	0.315	
								50	24	19.80	18.92	0.573	0.702	0.265	0.325	
						40185	2549.5	1	49	19.80	18.98	0.507	0.612	0.236	0.285	
								50	24	19.80	19.06	0.530	0.628	0.200	0.237	
						40620	2593.0	1	49	19.80	19.00	0.676	0.813	0.304	0.365	
								50	24	19.80	19.06	0.704	0.835	0.317	0.376	117
								100	0	19.80	19.10	0.700	0.822	0.316	0.371	
						41055	2636.5	1	49	19.80	18.85	0.599	0.745	0.279	0.347	
								50	24	19.80	18.86	0.630	0.782	0.292	0.363	
						41490	2680.0	1	49	19.80	18.83	0.528	0.660	0.246	0.308	
								50	24	19.80	18.84	0.538	0.671	0.251	0.313	
					Front	40620	2593.0	1	49	19.80	19.00	0.245	0.295	0.125	0.150	
								50	24	19.80	19.06	0.255	0.302	0.130	0.154	
	Hotspot	QPSK	Mode B	5	Edge 3	40620	2593.0	1	49	19.80	19.00	0.066	0.079	0.029	0.034	
								50	24	19.80	19.06	0.066	0.078	0.029	0.035	
					Edge 4	40620	2593.0	1	49	19.80	19.00	0.363	0.436	0.160	0.192	
								50	24	19.80	19.06	0.370	0.439	0.166	0.197	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	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	19.00	18.53	0.859	0.957	0.423	0.471	118
								50	24	19.00	18.71	0.883	0.944	0.434	0.464	
						40185	2549.5	1	49	19.00	18.53	0.754	0.840	0.372	0.415	
								50	24	19.00	18.64	0.802	0.871	0.395	0.429	
						40620	2593.0	1	49	19.00	18.30	0.689	0.810	0.343	0.403	
								50	24	19.00	18.30	0.726	0.853	0.355	0.417	
								100	0	19.00	18.30	0.725	0.852	0.356	0.418	
						41055	2636.5	1	49	19.00	18.16	0.748	0.908	0.359	0.436	
								50	24	19.00	18.34	0.760	0.885	0.365	0.425	
						41490	2680.0	1	49	19.00	18.35	0.788	0.915	0.362	0.420	
								50	24	19.00	18.51	0.802	0.898	0.370	0.414	
					Left Tilt	40620	2593.0	1	49	19.00	18.30	0.424	0.498	0.198	0.233	
								50	24	19.00	18.30	0.446	0.524	0.210	0.247	
					Right Touch	40620	2593.0	1	49	19.00	18.30	0.210	0.247	0.114	0.134	
								50	24	19.00	18.30	0.218	0.256	0.119	0.140	
					Right Tilt	40620	2593.0	1	49	19.00	18.30	0.218	0.256	0.107	0.126	
								50	24	19.00	18.30	0.231	0.271	0.112	0.132	
	Body & Hotspot	QPSK	Mode B	5	Rear	40620	2593.0	1	49	21.00	20.03	0.518	0.648	0.275	0.344	119
								50	24	21.00	20.19	0.531	0.640	0.283	0.341	
					Front	40620	2593.0	1	49	21.00	20.03	0.248	0.310	0.125	0.156	
								50	24	21.00	20.19	0.260	0.313	0.131	0.158	
	Hotspot	QPSK	Mode B	5	Edge 1	40620	2593.0	1	49	21.00	20.03	0.236	0.295	0.084	0.105	
								50	24	21.00	20.19	0.237	0.286	0.085	0.103	
					Edge 2	40620	2593.0	1	49	21.00	20.03	0.608	0.760	0.272	0.340	
								50	24	21.00	20.19	0.644	0.776	0.287	0.346	120

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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	25.50	0.101	0.106	0.053	0.056	
ANT 1	Body	QPSK	Mode B	5	Rear	40521	2583.1	1	99	40719	2602.9	1	0	24.00	23.39	0.475	0.547	0.212	0.244	
ANT 1	Hotspot	QPSK	Mode B	5	Edge 2	40521	2583.1	1	99	40719	2602.9	1	0	24.00	23.39	0.672	0.773	0.288	0.331	
ANT 2	Head	QPSK	Mode A	0	Right Touch	40521	2583.1	1	99	40719	2602.9	1	0	20.50	19.78	0.520	0.614	0.222	0.262	
ANT 2	Body	QPSK	Mode B	5	Rear	40521	2583.1	1	99	40719	2602.9	1	0	20.50	19.78	0.319	0.377	0.141	0.166	
ANT 3	Head	QPSK	Mode A	0	Left Touch	40521	2583.1	1	99	40719	2602.9	1	0	25.50	25.14	0.341	0.370	0.186	0.202	
ANT 3	Body	QPSK	Mode B	5	Rear	40521	2583.1	1	99	40719	2602.9	1	0	19.80	18.47	0.292	0.397	0.138	0.187	
ANT 3	Hotspot	QPSK	Mode B	5	Edge 4	40521	2583.1	1	99	40719	2602.9	1	0	19.80	18.47	0.196	0.266	0.095	0.129	
ANT 4	Head	QPSK	Mode A	0	Left Touch	40521	2583.1	1	99	40719	2602.9	1	0	19.00	17.67	0.593	0.805	0.305	0.414	
ANT 4	Body	QPSK	Mode B	5	Rear	40521	2583.1	1	99	40719	2602.9	1	0	21.00	19.21	0.234	0.353	0.121	0.183	
ANT 4	Hotspot	QPSK	Mode B	5	Edge 2	41292	2660.2	1	99	41490	2680.0	1	0	21.00	19.03	0.312	0.491	0.135	0.212	

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

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

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

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

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

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

Reported SAR vs. Output Power linearly scaled

Antenna	RF Exposure Conditions	Power Class 2			Power Class 3				PC2 linearly scaled Reported SAR (W/kg)	Linearly scaled (<10%)
		Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Reported 1-g SAR (W/kg)		
ANT1	Head	43.3%	27.50	243.49	63.3%	25.70	235.18	0.251	0.260	3.53%

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

ULCA41C Power class 2

Antenna	RF Exposure Conditions	Power Class 2			Power Class 3				PC2 linearly scaled Reported SAR (W/kg)	Linearly scaled (<10%)
		Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Reported 1-g SAR (W/kg)		
ANT1	Head	43.3%	27.50	243.49	63.3%	25.70	235.18	0.106	0.110	3.53%

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

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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	25.60	25.20	0.086	0.094	0.039	0.043	
								50	24	24.70	24.30	0.064	0.070	0.024	0.026	
					Left Tilt	56207	3646.7	1	49	25.60	25.20	0.062	0.068	0.023	0.025	
								50	24	24.70	24.30	0.052	0.057	0.020	0.022	
					Right Touch	56207	3646.7	1	49	25.60	25.20	0.216	0.237	0.082	0.090	121
								50	24	24.70	24.30	0.196	0.215	0.077	0.084	
					Right Tilt	56207	3646.7	1	49	25.60	25.20	0.063	0.069	0.024	0.026	
								50	24	24.70	24.30	0.046	0.050	0.016	0.018	
	Body & Hotspot	QPSK	Mode B	5	Rear	56207	3646.7	1	49	22.50	21.76	0.575	0.682	0.187	0.222	
								50	24	22.50	21.88	0.593	0.684	0.223	0.257	122
					Front	56207	3646.7	1	49	22.50	21.76	0.352	0.417	0.136	0.161	
								50	24	22.50	21.88	0.350	0.404	0.135	0.156	
	Hotspot	QPSK	Mode B	5	Edge 2	55340	3560.0	1	49	22.50	21.63	0.738	0.902	0.287	0.351	
								50	24	22.50	21.77	0.792	0.937	0.306	0.362	123
						55773	3603.3	1	49	22.50	21.63	0.718	0.877	0.280	0.342	
								50	24	22.50	21.81	0.722	0.846	0.286	0.335	
						56207	3646.7	1	49	22.50	21.76	0.716	0.849	0.282	0.334	
								50	24	22.50	21.88	0.739	0.852	0.292	0.337	
								100	0	22.50	21.87	0.746	0.862	0.294	0.340	
						56640	3690.0	1	49	22.50	21.64	0.654	0.797	0.268	0.327	
								50	24	22.50	21.82	0.670	0.784	0.273	0.319	
					Edge 3	56207	3646.7	1	49	22.50	21.76	0.351	0.416	0.118	0.140	
								50	24	22.50	21.88	0.310	0.358	0.108	0.125	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	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	23.00	22.30	0.213	0.250	0.065	0.076	
								50	24	22.00	21.28	0.188	0.222	0.054	0.064	
					Left Tilt	56207	3646.7	1	49	23.00	22.30	0.211	0.248	0.077	0.091	
								50	24	22.00	21.28	0.151	0.178	0.055	0.065	
					Right Touch	56207	3646.7	1	49	23.00	22.30	0.585	0.687	0.239	0.281	124
								50	24	22.00	21.28	0.560	0.661	0.238	0.281	
					Right Tilt	56207	3646.7	1	49	23.00	22.30	0.376	0.442	0.161	0.189	
								50	24	22.00	21.28	0.347	0.410	0.155	0.183	
	Body & Hotspot	QPSK	Mode B	5	Rear	55340	3560.0	1	49	23.00	22.20	0.561	0.674	0.181	0.218	
						55773	3603.3	1	49	23.00	22.25	0.648	0.770	0.213	0.253	
						56207	3646.7	1	49	23.00	22.30	0.697	0.819	0.233	0.274	
								50	24	22.00	21.28	0.629	0.742	0.210	0.248	
						56640	3690.0	1	49	23.00	22.20	0.795	0.956	0.260	0.313	125
					Front	56207	3646.7	1	49	23.00	22.30	0.349	0.410	0.138	0.162	
								50	24	22.00	21.28	0.270	0.319	0.107	0.126	
	Hotspot	QPSK	Mode B	5	Edge 1	56207	3646.7	1	49	23.00	22.30	0.185	0.217	0.065	0.076	
								50	24	22.00	21.28	0.161	0.190	0.057	0.067	
					Edge 4	56207	3646.7	1	49	23.00	22.30	0.275	0.323	0.113	0.133	
								50	24	22.00	21.28	0.254	0.300	0.104	0.123	

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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	24.66	0.102	0.116	0.037	0.042	126
								50	24	24.70	24.25	0.085	0.094	0.030	0.033	
					Left Tilt	56207	3646.7	1	49	25.20	24.66	0.024	0.027	0.012	0.014	
								50	24	24.70	24.25	0.012	0.013	0.003	0.003	
					Right Touch	56207	3646.7	1	49	25.20	24.66	0.066	0.075	0.024	0.027	
								50	24	24.70	24.25	0.060	0.067	0.021	0.023	
					Right Tilt	56207	3646.7	1	49	25.20	24.66	0.026	0.029	0.014	0.016	
								50	24	24.70	24.25	0.019	0.021	0.010	0.011	
	Body & Hotspot	QPSK	Mode B	5	Rear	56207	3646.7	1	49	24.50	23.73	0.210	0.251	0.095	0.113	
								50	24	24.50	23.75	0.242	0.288	0.108	0.128	
					Front	55340	3560.0	1	49	24.50	23.73	0.797	0.952	0.357	0.426	127
								50	24	24.50	23.73	0.775	0.925	0.348	0.416	
						55773	3603.3	1	49	24.50	23.54	0.683	0.852	0.307	0.383	
								50	24	24.50	23.75	0.715	0.850	0.320	0.380	
						56207	3646.7	1	49	24.50	23.73	0.728	0.869	0.325	0.388	
								50	24	24.50	23.75	0.726	0.863	0.324	0.385	
								100	0	24.50	23.75	0.697	0.828	0.311	0.370	
						56640	3690.0	1	49	24.50	23.57	0.726	0.899	0.322	0.399	
								50	24	24.50	23.71	0.755	0.906	0.333	0.399	
	Hotspot	QPSK	Mode B	5	Edge 3	56207	3646.7	1	49	24.50	23.73	0.177	0.211	0.074	0.088	
								50	24	24.50	23.75	0.253	0.301	0.108	0.128	
					Edge 4	56207	3646.7	1	49	24.50	23.73	0.486	0.580	0.173	0.207	
								50	24	24.50	23.75	0.495	0.588	0.177	0.210	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	QPSK	Mode A	0	Left Touch	56207	3646.7	1	49	21.30	20.45	0.584	0.710	0.210	0.255	
								50	24	21.30	20.54	0.605	0.721	0.215	0.256	128
					Left Tilt	56207	3646.7	1	49	21.30	20.45	0.461	0.561	0.161	0.196	
								50	24	21.30	20.54	0.470	0.560	0.165	0.197	
					Right Touch	56207	3646.7	1	49	21.30	20.45	0.147	0.179	0.057	0.070	
								50	24	21.30	20.54	0.147	0.175	0.057	0.068	
					Right Tilt	55340	3560.0	1	49	21.30	20.45	0.144	0.175	0.056	0.068	
								50	24	21.30	20.54	0.126	0.150	0.048	0.057	
	Body & Hotspot	QPSK	Mode B	5	Rear	55340	3560.0	1	49	22.30	21.89	0.750	0.824	0.279	0.307	
								50	24	21.50	20.87	0.663	0.767	0.246	0.284	
						55773	3603.3	1	49	22.30	21.83	0.713	0.794	0.262	0.292	
								50	24	21.50	20.88	0.692	0.798	0.259	0.299	
						56207	3646.7	1	49	22.30	21.89	0.797	0.876	0.292	0.321	129
								50	24	21.50	20.85	0.696	0.808	0.254	0.295	
								100	0	21.50	20.82	0.701	0.820	0.254	0.297	
						56640	3690.0	1	49	22.30	21.72	0.715	0.817	0.269	0.307	
								50	24	21.50	20.57	0.635	0.787	0.238	0.295	
					Front	56207	3646.7	1	49	22.30	21.89	0.317	0.348	0.129	0.142	
								50	24	21.50	20.85	0.280	0.325	0.114	0.132	
	Hotspot	QPSK	Mode B	5	Edge 1	56207	3646.7	1	49	22.30	21.89	0.105	0.115	0.048	0.053	
								50	24	21.50	20.85	0.120	0.139	0.054	0.063	
					Edge 2	55340	3560.0	1	49	22.30	21.89	0.841	0.924	0.312	0.343	130
						55773	3603.3	1	49	22.30	21.83	0.789	0.879	0.291	0.324	
						56207	3646.7	1	49	22.30	21.89	0.744	0.818	0.274	0.301	
								50	24	21.50	20.85	0.661	0.768	0.242	0.281	
						56640	3690.0	1	49	22.30	21.72	0.642	0.734	0.238	0.272	

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 7	Head	QPSK	Mode A	0	Right Touch	55891	3615.1	1	99	56089	3634.9	1	0	24.70	24.38	0.101	0.109	0.039	0.042	
ANT 7	Body	QPSK	Mode B	5	Rear	56442	3670.2	1	99	56640	3690.0	1	0	22.50	21.76	0.279	0.331	0.106	0.126	
ANT 7	Hotspot	QPSK	Mode B	5	Edge 2	55340	3560.0	1	99	55538	3579.8	1	0	22.50	21.50	0.300	0.378	0.116	0.146	
ANT 8	Head	QPSK	Mode A	0	Right Touch	56442	3670.2	1	99	56640	3690.0	1	0	22.00	22.00	0.323	0.323	0.133	0.133	
ANT 8	Body	QPSK	Mode B	5	Rear	56442	3670.2	1	99	56640	3690.0	1	0	22.00	21.95	0.302	0.305	0.103	0.104	
ANT 9	Head	QPSK	Mode A	0	Left Touch	55891	3615.1	1	99	56089	3634.9	1	0	24.20	24.00	0.046	0.048	0.017	0.018	
ANT 9	Body	QPSK	Mode B	5	Front	55340	3560.0	1	99	55538	3579.8	1	0	24.20	23.82	0.342	0.373	0.152	0.166	
ANT 4	Head	QPSK	Mode A	0	Left Touch	56442	3670.2	1	99	56640	3690.0	1	0	21.30	21.02	0.627	0.669	0.236	0.252	
ANT 4	Body	QPSK	Mode B	5	Rear	55891	3615.1	1	99	56089	3634.9	1	0	21.50	21.46	0.480	0.484	0.171	0.173	
ANT 4	Hotspot	QPSK	Mode B	5	Edge 2	55340	3560.0	1	99	55538	3579.8	1	0	21.50	21.23	0.556	0.592	0.199	0.212	

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	24.00	23.55	0.071	0.079	0.047	0.052	
								50	24	24.00	23.20	0.076	0.091	0.049	0.059	
					Left Tilt	132322	1745.0	1	49	24.00	23.55	0.072	0.080	0.044	0.049	
								50	24	24.00	23.20	0.074	0.089	0.044	0.053	
					Right Touch	132322	1745.0	1	49	24.00	23.55	0.206	0.228	0.132	0.146	
								50	24	24.00	23.20	0.211	0.254	0.134	0.161	131
					Right Tilt	132322	1745.0	1	49	24.00	23.55	0.063	0.070	0.041	0.045	
								50	24	24.00	23.20	0.065	0.078	0.041	0.049	
	Body & Hotspot	QPSK	Mode B	5	Rear	132322	1745.0	1	49	17.80	16.94	0.459	0.560	0.232	0.283	
								50	24	17.80	17.00	0.475	0.571	0.241	0.290	
					Front	132322	1745.0	1	49	17.80	16.94	0.469	0.572	0.225	0.274	
								50	24	17.80	17.00	0.484	0.582	0.232	0.279	132
	Hotspot	QPSK	Mode B	5	Edge 2	132322	1745.0	1	49	17.80	16.94	0.142	0.173	0.070	0.085	
								50	24	17.80	17.00	0.148	0.178	0.074	0.089	
					Edge 3	132072	1720.0	1	49	17.80	16.81	0.706	0.887	0.328	0.412	
								50	24	17.80	16.97	0.725	0.878	0.337	0.408	
						132322	1745.0	1	49	17.80	16.94	0.725	0.884	0.335	0.408	
								50	24	17.80	17.00	0.747	0.898	0.346	0.416	133
								100	0	17.80	16.95	0.727	0.884	0.336	0.409	
						132572	1770.0	1	49	17.80	16.80	0.643	0.809	0.296	0.373	
								50	24	17.80	16.95	0.660	0.803	0.306	0.372	
					Edge 4	132322	1745.0	1	49	17.80	16.94	0.005	0.006	0.001	0.001	
								50	24	17.80	17.00	0.009	0.011	0.004	0.004	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	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	23.00	22.02	0.327	0.410	0.188	0.236	
								50	24	22.70	21.83	0.314	0.384	0.179	0.219	
					Left Tilt	132322	1745.0	1	49	23.00	22.02	0.291	0.365	0.150	0.188	
								50	24	22.70	21.83	0.277	0.338	0.143	0.175	
					Right Touch	132072	1720.0	1	49	23.00	22.00	0.738	0.929	0.423	0.533	134
								50	24	22.70	21.72	0.709	0.888	0.406	0.509	
						132322	1745.0	1	49	23.00	22.02	0.714	0.895	0.400	0.501	
								50	24	22.70	21.83	0.690	0.843	0.384	0.469	
								100	0	22.70	21.81	0.687	0.843	0.383	0.470	
						132572	1770.0	1	49	23.00	22.00	0.711	0.895	0.391	0.492	
								50	24	22.70	22.00	0.669	0.786	0.367	0.431	
					Right Tilt	132322	1745.0	1	49	23.00	22.02	0.528	0.662	0.265	0.332	
								50	24	22.70	21.83	0.511	0.624	0.257	0.314	
	Body & Hotspot	QPSK	Mode B	5	Rear	132322	1745.0	1	49	23.00	22.02	0.607	0.761	0.278	0.348	135
								50	24	22.70	21.83	0.581	0.710	0.267	0.326	
					Front	132322	1745.0	1	49	23.00	22.02	0.237	0.297	0.124	0.155	
								50	24	22.70	21.83	0.245	0.299	0.128	0.156	
	Hotspot	QPSK	Mode B	5	Edge 1	132072	1720.0	1	49	23.00	22.00	0.757	0.953	0.367	0.462	136
						132322	1745.0	1	49	23.00	22.02	0.646	0.810	0.312	0.391	
								50	24	22.70	21.83	0.585	0.715	0.279	0.341	
						132572	1770.0	1	49	23.00	22.00	0.516	0.650	0.247	0.311	
					Edge 2	132322	1745.0	1	49	23.00	22.02	0.033	0.041	0.018	0.023	
								50	24	22.70	21.83	0.030	0.037	0.017	0.021	
					Edge 4	132322	1745.0	1	49	23.00	22.02	0.404	0.506	0.215	0.269	
								50	24	22.70	21.83	0.391	0.478	0.206	0.252	

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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	25.20	24.66	0.202	0.229	0.131	0.148	137
								50	24	24.20	23.55	0.164	0.190	0.106	0.123	
					Left Tilt	132322	1745.0	1	49	25.20	24.66	0.164	0.186	0.100	0.113	
								50	24	24.20	23.55	0.133	0.154	0.080	0.093	
					Right Touch	132322	1745.0	1	49	25.20	24.66	0.121	0.137	0.080	0.091	
								50	24	24.20	23.55	0.100	0.116	0.066	0.077	
					Right Tilt	132322	1745.0	1	49	25.20	24.66	0.105	0.119	0.067	0.076	
								50	24	24.20	23.55	0.085	0.099	0.054	0.063	
	Body & Hotspot	QPSK	Mode B	5	Rear	132322	1745.0	1	49	22.00	21.09	0.570	0.703	0.327	0.403	
								50	24	22.00	21.11	0.579	0.711	0.334	0.410	138
					Front	132322	1745.0	1	49	22.00	21.09	0.277	0.342	0.166	0.205	
								50	24	22.00	21.11	0.282	0.346	0.162	0.199	
	Hotspot	QPSK	Mode B	5	Edge 3	132322	1745.0	1	49	22.00	21.09	0.145	0.179	0.061	0.076	
								50	24	22.00	21.11	0.135	0.166	0.058	0.071	
					Edge 4	132072	1720.0	1	49	22.00	21.05	0.641	0.798	0.336	0.418	
								50	24	22.00	21.08	0.638	0.789	0.335	0.414	
						132322	1745.0	1	49	22.00	21.09	0.733	0.904	0.381	0.470	139
								50	24	22.00	21.11	0.725	0.890	0.379	0.465	
								100	0	22.00	21.12	0.700	0.857	0.366	0.448	
						132572	1770.0	1	49	22.00	21.04	0.693	0.864	0.364	0.454	
								50	24	22.00	21.03	0.684	0.855	0.358	0.448	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	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	20.80	19.90	0.621	0.764	0.330	0.406	
								50	24	20.80	19.99	0.644	0.776	0.339	0.409	
						132322	1745.0	1	49	20.80	19.91	0.674	0.827	0.361	0.443	
								50	24	20.80	19.92	0.685	0.839	0.364	0.446	
								100	0	20.80	19.88	0.689	0.852	0.367	0.454	
						132572	1770.0	1	49	20.80	19.85	0.719	0.895	0.388	0.483	
								50	24	20.80	19.83	0.733	0.916	0.395	0.494	140
					Left Tilt	132322	1745.0	1	49	20.80	19.91	0.464	0.570	0.220	0.270	
								50	24	20.80	19.92	0.470	0.576	0.221	0.271	
					Right Touch	132322	1745.0	1	49	20.80	19.91	0.336	0.412	0.196	0.241	
								50	24	20.80	19.92	0.340	0.416	0.198	0.242	
					Right Tilt	132322	1745.0	1	49	20.80	19.91	0.193	0.237	0.109	0.134	
								50	24	20.80	19.92	0.195	0.239	0.109	0.133	
	Body & Hotspot	QPSK	Mode B	5	Rear	132322	1745.0	1	49	21.50	20.90	0.682	0.783	0.359	0.412	
								50	24	21.50	20.95	0.696	0.790	0.370	0.420	141
					Front	132322	1745.0	1	49	21.50	20.90	0.456	0.524	0.241	0.277	
								50	24	21.50	20.95	0.463	0.526	0.246	0.279	
	Hotspot	QPSK	Mode B	5	Edge 1	132322	1745.0	1	49	21.50	20.90	0.368	0.423	0.170	0.195	
								50	24	21.50	20.95	0.378	0.429	0.175	0.199	
					Edge 2	132072	1720.0	1	49	21.50	20.86	0.706	0.818	0.349	0.404	
								50	24	21.50	20.98	0.778	0.877	0.380	0.428	
						132322	1745.0	1	49	21.50	20.90	0.779	0.894	0.389	0.447	
								50	24	21.50	20.95	0.798	0.906	0.396	0.449	
								100	0	21.50	20.91	0.799	0.915	0.397	0.455	142
						132572	1770.0	1	49	21.50	20.79	0.749	0.882	0.375	0.442	
								50	24	21.50	20.89	0.756	0.870	0.377	0.434	

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UL CA 66C

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
						Ch #.	Freq. (MHz)	RB Allocation	RB offest	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT 1	Head	QPSK	Mode A	0	Right Touch	132323	1745.1	1	99	132521	1764.9	1	0	24.00	23.87	0.225	0.232	0.148	0.152	
ANT 1	Body	QPSK	Mode B	5	Rear	132323	1745.1	1	99	132521	1764.9	1	0	17.80	17.70	0.239	0.245	0.125	0.128	
ANT 1	Hotspot	QPSK	Mode B	5	Edge 3	132323	1745.1	1	99	132521	1764.9	1	0	17.80	17.70	0.381	0.390	0.177	0.181	
ANT 2	Head	QPSK	Mode A	0	Right Touch	132072	1720.0	1	99	132270	1739.8	1	0	23.00	22.48	0.434	0.489	0.234	0.264	
ANT 2	Body	QPSK	Mode B	5	Rear	132323	1745.1	1	99	132521	1764.9	1	0	23.00	22.34	0.392	0.456	0.181	0.211	
ANT 2	Hotspot	QPSK	Mode B	5	Edge 1	132072	1720.0	1	99	132270	1739.8	1	0	23.00	22.48	0.370	0.417	0.181	0.204	
ANT 3	Head	QPSK	Mode A	0	Left Touch	132323	1745.1	1	99	132521	1764.9	1	0	25.20	25.00	0.197	0.206	0.126	0.132	
ANT 3	Body	QPSK	Mode B	5	Rear	132323	1745.1	1	99	132521	1764.9	1	0	22.00	21.21	0.393	0.471	0.217	0.260	
ANT 3	Hotspot	QPSK	Mode B	5	Edge 4	132323	1745.1	1	99	132521	1764.9	1	0	22.00	21.21	0.447	0.536	0.233	0.279	
ANT 4	Head	QPSK	Mode A	0	Left Touch	132374	1750.2	1	99	132572	1770.0	1	0	20.80	20.46	0.524	0.567	0.278	0.301	
ANT 4	Body	QPSK	Mode B	5	Rear	132374	1750.2	1	99	132572	1770.0	1	0	21.50	21.47	0.358	0.360	0.189	0.190	
ANT 4	Hotspot	QPSK	Mode B	5	Edge 2	132323	1745.1	1	99	132521	1764.9	1	0	21.50	21.48	0.539	0.541	0.266	0.267	

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

10.21. LTE Band 71 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	QPSK	Mode A	0	Left Touch	133297	680.5	1	49	25.70	25.08	0.152	0.175	0.115	0.133	143
								50	24	24.70	24.70	0.131	0.131	0.100	0.100	
					Left Tilt	133297	680.5	1	49	25.70	25.08	0.068	0.078	0.054	0.062	
								50	24	24.70	24.70	0.067	0.067	0.054	0.054	
					Right Touch	133297	680.5	1	49	25.70	25.08	0.149	0.172	0.117	0.135	
								50	24	24.70	24.70	0.131	0.131	0.100	0.100	
					Right Tilt	133297	680.5	1	49	25.70	25.08	0.064	0.074	0.051	0.059	
								50	24	24.70	24.70	0.053	0.053	0.043	0.043	
	Body & Hotspot	QPSK	Mode B	5	Rear	133297	680.5	1	49	25.70	25.08	0.403	0.465	0.245	0.283	144
								50	24	24.70	24.70	0.336	0.336	0.203	0.203	
					Front	133297	680.5	1	49	25.70	25.08	0.272	0.314	0.169	0.195	
								50	24	24.70	24.70	0.263	0.263	0.153	0.153	
	Hotspot	QPSK	Mode B	5	Edge 2	133297	680.5	1	49	25.70	25.08	0.614	0.708	0.398	0.459	145
								50	24	24.70	24.70	0.435	0.435	0.284	0.284	
					Edge 3	133297	680.5	1	49	25.70	25.08	0.298	0.344	0.136	0.157	
								50	24	24.70	24.70	0.230	0.230	0.105	0.105	
					Edge 4	133297	680.5	1	49	25.70	25.08	0.208	0.240	0.135	0.156	
								50	24	24.70	24.70	0.136	0.136	0.088	0.088	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	QPSK	Mode A	0	Left Touch	133297	680.5	1	49	24.70	24.26	0.610	0.675	0.306	0.339	146
								50	24	23.70	23.37	0.477	0.515	0.247	0.266	
					Left Tilt	133297	680.5	1	49	24.70	24.26	0.567	0.627	0.257	0.284	
								50	24	23.70	23.37	0.430	0.464	0.204	0.220	
					Right Touch	133297	680.5	1	49	24.70	24.26	0.522	0.578	0.286	0.316	
								50	24	23.70	23.37	0.372	0.401	0.220	0.237	
					Right Tilt	133297	680.5	1	49	24.70	24.26	0.408	0.452	0.213	0.236	
								50	24	23.70	23.37	0.357	0.385	0.185	0.200	
	Body & Hotspot	QPSK	Mode B	5	Rear	133297	680.5	1	49	24.70	24.26	0.338	0.374	0.187	0.207	147
								50	24	23.70	23.37	0.314	0.339	0.170	0.183	
					Front	133297	680.5	1	49	24.70	24.26	0.237	0.262	0.134	0.148	
								50	24	23.70	23.37	0.177	0.191	0.112	0.121	
	Hotspot	QPSK	Mode B	5	Edge 1	133297	680.5	1	49	24.70	24.26	0.216	0.239	0.097	0.107	
								50	24	23.70	23.37	0.152	0.164	0.070	0.076	
					Edge 2	133297	680.5	1	49	24.70	24.26	0.093	0.103	0.062	0.069	
								50	24	23.70	23.37	0.083	0.090	0.054	0.058	
					Edge 4	133297	680.5	1	49	24.70	24.26	0.199	0.220	0.130	0.144	
								50	24	23.70	23.37	0.137	0.148	0.078	0.084	

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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	836.6	1	53	25.70	24.50	0.130	0.171	0.097	0.128	199
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	167300	836.6	1	53	25.20	24.42	0.350	0.419	0.211	0.253	200
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	167300	836.5	1	53	24.70	24.40	0.533	0.571	0.340	0.364	201
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	167300	836.5	1	53	24.70	24.40	0.312	0.334	0.187	0.200	202

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

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	507000	2535.0	1	53	25.70	25.20	0.692	0.776	0.324	0.364	203
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	502000	2510.0	50	28	20.30	20.04	0.642	0.682	0.282	0.299	204
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	502000	2510.0	50	28	20.30	20.04	0.734	0.779	0.297	0.315	205
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	507000	2535.0	50	28	19.00	18.50	0.829	0.930	0.353	0.396	206
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	507000	2535.0	50	28	19.50	19.10	0.800	0.877	0.325	0.356	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	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	502000	2510.0	1	53	22.50	22.10	0.302	0.331	0.163	0.179	208
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	502000	2510.0	50	28	18.50	18.00	0.822	0.922	0.387	0.434	209
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	502000	2510.0	50	28	17.80	17.40	0.745	0.817	0.384	0.421	210
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	512000	2560.0	50	28	20.30	19.45	0.665	0.809	0.338	0.411	211
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	502000	2510.0	50	28	20.30	19.45	0.667	0.811	0.297	0.361	212

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

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	507000	2535.0	1	107	23.70	23.54	0.361	0.375	0.167	0.173	213
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	507000	2535.0	108	54	20.30	20.00	0.769	0.824	0.370	0.396	214
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	507000	2535.0	108	54	20.30	20.00	0.870	0.932	0.364	0.390	215
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	507000	2535.0	108	54	19.00	18.50	0.778	0.873	0.343	0.385	216
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	507000	2535.0	108	54	19.50	19.10	0.633	0.694	0.267	0.293	217
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	507000	2535.0	1	107	22.50	22.42	0.323	0.329	0.174	0.177	218
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	507000	2535.0	108	54	18.50	17.99	0.786	0.884	0.366	0.412	219
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	507000	2535.0	108	54	17.80	17.48	0.563	0.606	0.245	0.264	220
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	507000	2535.0	108	54	20.30	19.35	0.556	0.692	0.281	0.350	221
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	507000	2535.0	108	54	20.30	19.35	0.683	0.850	0.321	0.399	222

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

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	141500	707.5	1	40	25.70	25.26	0.102	0.113	0.081	0.090	223
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	141500	707.5	1	40	25.70	25.26	0.317	0.351	0.189	0.209	224
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	141500	707.5	1	40	25.70	25.26	0.285	0.315	0.186	0.206	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	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	141500	707.5	1	40	24.70	24.30	0.304	0.333	0.181	0.198	226
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	141500	707.5	1	40	24.70	24.30	0.228	0.250	0.133	0.146	227

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

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	376500	1882.5	1	53	25.70	25.01	0.269	0.315	0.165	0.193	228
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	50	28	20.00	19.00	0.331	0.417	0.142	0.179	229
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 3	376500	1882.5	1	53	20.00	19.00	0.660	0.831	0.300	0.378	230
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	376500	1882.5	1	53	20.70	20.50	0.669	0.701	0.359	0.376	231
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	381000	1905.0	50	28	21.70	21.40	0.824	0.883	0.380	0.407	232
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	376500	1882.5	1	53	24.00	23.50	0.342	0.384	0.211	0.237	233
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	50	28	20.00	19.30	0.712	0.837	0.395	0.464	234
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 4	381000	1905.0	50	28	20.00	19.30	0.725	0.852	0.372	0.437	235
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	381000	1905.0	1	53	18.50	18.31	0.781	0.816	0.417	0.436	236
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	50	28	19.80	19.50	0.599	0.642	0.306	0.328	237
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	381000	1905.0	50	28	19.80	19.50	0.832	0.892	0.398	0.426	238

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

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	376500	1882.5	1	107	23.70	23.10	0.114	0.131	0.068	0.078	239
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	108	54	20.00	18.98	0.350	0.443	0.161	0.204	240
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 3	376500	1882.5	1	107	20.00	18.98	0.506	0.640	0.234	0.296	241
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	376500	1882.5	1	107	20.70	20.62	0.676	0.689	0.363	0.370	242
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	108	54	21.70	21.52	0.610	0.636	0.281	0.293	243
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	376500	1882.5	1	107	23.20	22.92	0.251	0.268	0.145	0.155	244
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	108	54	20.00	19.30	0.698	0.820	0.384	0.451	245
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 4	376500	1882.5	108	54	20.00	19.30	0.761	0.894	0.385	0.452	246
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	376500	1882.5	1	107	18.50	18.30	0.809	0.847	0.422	0.442	247
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	376500	1882.5	108	54	19.80	19.50	0.611	0.655	0.320	0.343	248
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	376500	1882.5	108	54	19.80	19.50	0.713	0.764	0.341	0.365	249

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

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	462000	2310.0	1	25	25.50	24.62	0.153	0.187	0.078	0.096	250
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	462000	2310.0	1	25	20.20	20.20	0.818	0.818	0.361	0.361	251
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	462000	2310.0	1	25	20.20	20.20	0.804	0.804	0.388	0.388	252
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	462000	2310.0	25	12	19.00	18.70	0.792	0.849	0.314	0.336	253
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	462000	2310.0	25	12	20.30	20.02	0.397	0.423	0.193	0.206	254
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 4	462000	2310.0	1	25	20.30	20.02	0.646	0.689	0.306	0.326	255
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	462000	2310.0	25	12	22.30	21.99	0.400	0.430	0.226	0.243	256
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	462000	2310.0	25	12	18.50	18.00	0.734	0.824	0.358	0.402	257
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	462000	2310.0	25	12	18.50	18.10	0.593	0.650	0.288	0.316	258
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	462000	2310.0	25	12	19.50	19.00	0.596	0.669	0.305	0.342	259
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	462000	2310.0	25	12	19.50	19.00	0.786	0.882	0.350	0.393	260

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

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	518600	2593.0	1	137	23.70	23.10	0.211	0.242	0.107	0.123	261
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	135	69	22.00	21.21	0.424	0.509	0.182	0.218	262
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	518600	2593.0	135	69	22.00	21.21	0.700	0.840	0.289	0.347	263
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	518600	2593.0	135	69	18.50	18.21	0.582	0.622	0.244	0.261	264
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	1	137	18.50	18.21	0.727	0.777	0.289	0.309	265
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	518600	2593.0	1	137	23.50	23.20	0.411	0.440	0.218	0.234	266
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	135	69	17.80	17.10	0.428	0.503	0.209	0.246	267
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	518600	2593.0	135	69	17.00	16.41	0.667	0.764	0.323	0.370	268
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	518600	2593.0	1	137	19.00	18.32	0.425	0.497	0.213	0.249	269
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	518600	2593.0	135	69	19.00	18.32	0.625	0.731	0.262	0.306	270

10.30. 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%	25.50	177.41	100.0%	23.70	234.42	0.242	0.183	-24.32%

Conclusion:

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

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10.31. 5G NR Band n66 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	349000	1745.0	1	53	24.00	23.40	0.187	0.215	0.120	0.138	271
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	349000	1745.0	50	28	17.80	17.10	0.356	0.418	0.189	0.222	272
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 3	349000	1745.0	50	28	17.80	17.10	0.732	0.860	0.341	0.401	273
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	344000	1720.0	1	53	23.00	21.78	0.508	0.673	0.285	0.377	274
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	349000	1745.0	1	53	23.00	21.78	0.600	0.795	0.279	0.369	275
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	344000	1720.0	1	53	23.00	21.78	0.544	0.720	0.239	0.317	276
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	349000	1745.0	1	53	25.20	24.65	0.171	0.194	0.111	0.126	277
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	349000	1745.0	50	28	22.00	21.30	0.516	0.606	0.283	0.332	278
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 4	349000	1745.0	1	53	22.00	21.30	0.622	0.731	0.325	0.382	279
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	354000	1770.0	50	28	20.80	20.25	0.712	0.808	0.382	0.434	280
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	354000	1770.0	50	28	21.50	21.25	0.735	0.779	0.399	0.423	281
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	349000	1745.0	1	53	21.50	21.25	0.728	0.771	0.345	0.365	282

10.32. 5G NR Band n66 (40MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT1	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	349000	1745.0	1	107	23.70	23.00	0.102	0.120	0.063	0.074	283
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	349000	1745.0	108	54	17.80	17.20	0.376	0.432	0.194	0.223	284
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 3	349000	1745.0	108	54	17.80	17.20	0.695	0.798	0.319	0.366	285
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	349000	1745.0	1	107	21.70	21.25	0.334	0.370	0.190	0.211	286
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	349000	1745.0	1	107	21.70	21.25	0.257	0.285	0.117	0.130	287
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	349000	1745.0	1	107	21.70	21.25	0.219	0.243	0.101	0.112	288
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	349000	1745.0	1	107	23.20	22.83	0.094	0.102	0.062	0.068	289
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	349000	1745.0	108	54	22.00	21.35	0.576	0.669	0.316	0.367	290
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 4	349000	1745.0	1	107	22.00	21.35	0.662	0.769	0.351	0.408	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	DFT-s-OFDM QPSK	Mode A	0	Left Touch	349000	1745.0	108	54	20.80	20.31	0.652	0.730	0.355	0.397	292
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	349000	1745.0	108	54	21.50	21.23	0.660	0.702	0.353	0.376	293
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	349000	1745.0	1	107	21.50	21.23	0.687	0.731	0.337	0.359	294

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10.33. 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	Left Touch	136100	680.5	1	53	25.70	24.87	0.077	0.093	0.061	0.074	295
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	136100	680.5	1	53	25.70	24.87	0.204	0.247	0.123	0.149	296
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	136100	680.5	1	53	25.70	24.87	0.246	0.298	0.162	0.196	297
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT2	Head	DFT-s-OFDM QPSK	Mode A	0	Right Touch	136100	680.5	1	53	24.70	24.36	0.344	0.372	0.196	0.212	298
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	136100	680.5	1	53	24.70	24.36	0.254	0.275	0.133	0.144	299

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

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT7	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	633332	3500.0	1	137	25.70	25.21	0.152	0.170	0.069	0.077	
								135	69	25.70	25.25	0.117	0.130	0.052	0.057	
					Left Tilt	633332	3500.0	1	137	25.70	25.21	0.163	0.182	0.062	0.069	
								135	69	25.70	25.25	0.121	0.134	0.044	0.049	
					Right Touch	633332	3500.0	1	137	25.70	25.21	0.341	0.382	0.130	0.146	300
								135	69	25.70	25.25	0.266	0.295	0.101	0.112	
					Right Tilt	633332	3500.0	1	137	25.70	25.21	0.106	0.119	0.042	0.047	
								135	69	25.70	25.25	0.080	0.088	0.032	0.036	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	633332	3500.0	1	137	20.20	19.76	0.849	0.940	0.312	0.345	301
								135	69	20.20	19.66	0.758	0.858	0.281	0.318	
								270	0	20.20	19.74	0.744	0.827	0.273	0.304	
					Front	633332	3500.0	1	137	20.20	19.76	0.291	0.322	0.115	0.127	
								135	69	20.20	19.66	0.360	0.408	0.142	0.161	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	633332	3500.0	1	137	20.20	19.76	0.695	0.769	0.267	0.295	
								135	69	20.20	19.66	0.648	0.734	0.253	0.286	
					Edge 3	633332	3500.0	1	137	20.20	19.76	0.355	0.393	0.123	0.136	
								135	69	20.20	19.66	0.382	0.433	0.133	0.151	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT8	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	633332	3500.0	1	137	17.70	17.42	0.067	0.071	0.028	0.030	
								135	69	17.70	17.32	0.058	0.063	0.023	0.025	
					Left Tilt	633332	3500.0	1	137	17.70	17.42	0.194	0.207	0.063	0.067	
								135	69	17.70	17.32	0.085	0.093	0.025	0.027	
					Right Touch	633332	3500.0	1	137	17.70	17.42	0.297	0.317	0.108	0.115	
								135	69	17.70	17.32	0.236	0.258	0.094	0.103	
					Right Tilt	633332	3500.0	1	137	17.70	17.42	0.301	0.321	0.104	0.111	
								135	69	17.70	17.32	0.297	0.324	0.103	0.112	302
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	633332	3500.0	1	137	19.20	18.81	0.593	0.649	0.193	0.211	
								135	69	19.20	18.55	0.660	0.767	0.210	0.244	303
					Front	633332	3500.0	1	137	19.20	18.81	0.113	0.124	0.048	0.053	
								135	69	19.20	18.55	0.160	0.186	0.068	0.079	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	633332	3500.0	1	137	19.20	18.81	0.107	0.117	0.039	0.043	
								135	69	19.20	18.55	0.096	0.111	0.035	0.041	
					Edge 4	633332	3500.0	1	137	19.20	18.81	0.257	0.281	0.098	0.107	
								135	69	19.20	18.55	0.245	0.285	0.093	0.108	

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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	633332	3500.0	1	137	25.70	25.08	0.187	0.216	0.069	0.080	304
								135	69	25.70	25.07	0.139	0.161	0.053	0.061	
					Left Tilt	633332	3500.0	1	137	25.70	25.08	0.045	0.052	0.024	0.028	
								135	69	25.70	25.07	0.034	0.039	0.018	0.021	
					Right Touch	633332	3500.0	1	137	25.70	25.08	0.149	0.172	0.060	0.069	
								135	69	25.70	25.07	0.141	0.163	0.058	0.067	
					Right Tilt	633332	3500.0	1	137	25.70	25.08	0.051	0.059	0.026	0.030	
								135	69	25.70	25.07	0.051	0.059	0.027	0.031	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	633332	3500.0	1	137	18.70	18.30	0.455	0.499	0.189	0.207	
								135	69	18.70	18.30	0.326	0.357	0.141	0.155	
					Front	633332	3500.0	1	137	18.70	18.30	0.803	0.880	0.353	0.387	
								135	69	18.70	18.30	0.850	0.932	0.373	0.409	305
								270	0	18.70	18.23	0.808	0.900	0.355	0.396	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 3	633332	3500.0	1	137	18.70	18.30	0.208	0.228	0.093	0.102	
								135	69	18.70	18.30	0.196	0.215	0.086	0.095	
					Edge 4	633332	3500.0	1	137	18.70	18.30	0.467	0.512	0.173	0.190	
								135	69	18.70	18.30	0.532	0.583	0.194	0.213	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	633332	3500.0	1	137	19.70	19.54	0.822	0.853	0.333	0.345	306
								135	69	19.70	19.49	0.779	0.818	0.308	0.323	
								270	0	19.70	19.61	0.707	0.722	0.268	0.274	
					Left Tilt	633332	3500.0	1	137	19.70	19.54	0.581	0.603	0.223	0.231	
								135	69	19.70	19.49	0.560	0.588	0.218	0.229	
					Right Touch	633332	3500.0	1	137	19.70	19.54	0.237	0.246	0.113	0.117	
								135	69	19.70	19.49	0.307	0.322	0.131	0.137	
					Right Tilt	633332	3500.0	1	137	19.70	19.54	0.131	0.136	0.051	0.053	
								135	69	19.70	19.49	0.288	0.302	0.118	0.124	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	633332	3500.0	1	137	18.50	18.01	0.384	0.430	0.142	0.159	
								135	69	18.50	17.83	0.400	0.467	0.148	0.173	307
					Front	633332	3500.0	1	137	18.50	18.01	0.221	0.247	0.085	0.095	
								135	69	18.50	17.83	0.250	0.292	0.095	0.111	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	633332	3500.0	1	137	18.50	18.01	0.070	0.078	0.030	0.034	
								135	69	18.50	17.83	0.069	0.081	0.029	0.034	
					Edge 2	633332	3500.0	1	137	18.50	18.01	0.791	0.885	0.279	0.312	308
								135	69	18.50	17.83	0.756	0.882	0.257	0.300	
								270	0	18.50	17.83	0.723	0.844	0.257	0.300	

10.35. 5G NR Band n77 (Block A) Power Class 2 (100MHz Bandwidth)

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

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

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

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

Reported SAR vs. Output Power linearly scaled

Antenna	RF Exposure Conditions	Power Class 2			Power Class 3				PC2 linearly scaled Reported SAR (W/kg)	Linearly scaled (<10%)
		Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Reported 1-g SAR (W/kg)		
ANT7	Head	50.0%	27.70	294.42	100.0%	25.70	371.54	0.382	0.303	-20.76%
ANT9	Head	50.0%	27.20	262.40	100.0%	25.70	371.54	0.216	0.153	-29.37%

Conclusion:

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

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

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT7	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	656000	3840.0	1	137	25.70	25.25	0.207	0.230	0.075	0.083	
								135	69	25.70	24.90	0.183	0.220	0.054	0.065	
					Left Tilt	656000	3840.0	1	137	25.70	25.25	0.207	0.230	0.076	0.084	
								135	69	25.70	24.90	0.164	0.197	0.057	0.069	
					Right Touch	656000	3840.0	1	137	25.70	25.25	0.473	0.525	0.138	0.153	309
								135	69	25.70	24.90	0.318	0.382	0.094	0.113	
					Right Tilt	656000	3840.0	1	137	25.70	25.25	0.138	0.153	0.053	0.059	
								135	69	25.70	24.90	0.118	0.142	0.046	0.055	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	656000	3840.0	1	137	20.20	19.90	0.295	0.316	0.124	0.133	
								135	69	20.20	19.71	0.389	0.435	0.165	0.185	310
					Front	656000	3840.0	1	137	20.20	19.90	0.283	0.303	0.111	0.119	
								135	69	20.20	19.71	0.297	0.332	0.116	0.130	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 2	656000	3840.0	1	137	20.20	19.90	0.196	0.210	0.087	0.093	
								135	69	20.20	19.71	0.204	0.228	0.090	0.101	
					Edge 3	656000	3840.0	1	137	20.20	19.90	0.125	0.134	0.042	0.045	
								135	69	20.20	19.71	0.149	0.167	0.049	0.055	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT8	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	656000	3840.0	1	137	17.70	17.47	0.148	0.156	0.055	0.058	
								135	69	17.70	17.42	0.139	0.148	0.050	0.054	
					Left Tilt	656000	3840.0	1	137	17.70	17.47	0.104	0.110	0.036	0.038	
								135	69	17.70	17.42	0.128	0.137	0.036	0.038	
					Right Touch	656000	3840.0	1	137	17.70	17.47	0.653	0.689	0.207	0.218	
								135	69	17.70	17.42	0.764	0.815	0.255	0.272	311
					Right Tilt	656000	3840.0	1	137	17.70	17.47	0.422	0.445	0.153	0.161	
								135	69	17.70	17.42	0.408	0.435	0.147	0.157	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	656000	3840.0	1	137	19.20	18.97	0.707	0.745	0.237	0.250	
								135	69	19.20	18.82	0.731	0.798	0.244	0.266	312
					Front	656000	3840.0	1	137	19.20	18.97	0.456	0.481	0.151	0.159	
								135	69	19.20	18.82	0.320	0.349	0.111	0.121	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	656000	3840.0	1	137	19.20	18.97	0.160	0.169	0.061	0.064	
								135	69	19.20	18.82	0.143	0.156	0.059	0.064	
					Edge 4	656000	3840.0	1	137	19.20	18.97	0.765	0.807	0.263	0.277	
								135	69	19.20	18.82	0.813	0.887	0.274	0.299	313
								270	0	19.20	18.95	0.809	0.857	0.275	0.291	

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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	656000	3840.0	1	137	25.70	25.31	0.249	0.272	0.083	0.091	314
								135	69	25.70	25.19	0.190	0.214	0.064	0.072	
					Left Tilt	656000	3840.0	1	137	25.70	25.31	0.102	0.112	0.039	0.043	
								135	69	25.70	25.19	0.097	0.109	0.037	0.042	
					Right Touch	656000	3840.0	1	137	25.70	25.31	0.136	0.149	0.053	0.058	
								135	69	25.70	25.19	0.127	0.143	0.052	0.058	
					Right Tilt	656000	3840.0	1	137	25.70	25.31	0.049	0.054	0.010	0.011	
								135	69	25.70	25.19	0.048	0.054	0.014	0.016	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	656000	3840.0	1	137	18.70	18.15	0.681	0.773	0.302	0.343	
								135	69	18.70	18.13	0.711	0.811	0.312	0.356	315
					Front	656000	3840.0	1	137	18.70	18.15	0.637	0.723	0.259	0.294	
								135	69	18.70	18.13	0.624	0.712	0.253	0.288	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 3	656000	3840.0	1	137	18.70	18.15	0.218	0.247	0.101	0.115	
								135	69	18.70	18.13	0.205	0.234	0.093	0.106	
					Edge 4	656000	3840.0	1	137	18.70	18.15	0.687	0.780	0.256	0.291	
								135	69	18.70	18.13	0.628	0.716	0.236	0.269	

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
										Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Head	DFT-s-OFDM QPSK	Mode A	0	Left Touch	656000	3840.0	1	137	19.70	19.51	0.852	0.890	0.306	0.320	316
								135	69	19.70	19.47	0.786	0.829	0.280	0.295	
								270	0	19.70	19.60	0.855	0.875	0.293	0.300	
					Left Tilt	656000	3840.0	1	137	19.70	19.51	0.607	0.634	0.195	0.204	
								135	69	19.70	19.47	0.507	0.535	0.166	0.175	
					Right Touch	656000	3840.0	1	137	19.70	19.51	0.247	0.258	0.095	0.099	
								135	69	19.70	19.47	0.256	0.270	0.100	0.105	
					Right Tilt	656000	3840.0	1	137	19.70	19.51	0.178	0.186	0.068	0.071	
								135	69	19.70	19.47	0.157	0.166	0.059	0.062	
	Body & Hotspot	DFT-s-OFDM QPSK	Mode B	5	Rear	656000	3840.0	1	137	18.50	17.90	0.643	0.738	0.218	0.250	
								135	69	18.50	17.86	0.781	0.905	0.260	0.301	317
					Front	656000	3840.0	1	137	18.50	17.90	0.242	0.278	0.096	0.111	
								135	69	18.50	17.86	0.252	0.292	0.092	0.107	
	Hotspot	DFT-s-OFDM QPSK	Mode B	5	Edge 1	656000	3840.0	1	137	18.50	17.90	0.042	0.048	0.018	0.020	
								135	69	18.50	17.86	0.040	0.047	0.014	0.016	
					Edge 2	656000	3840.0	1	137	18.50	17.90	0.504	0.579	0.174	0.200	
								135	69	18.50	17.86	0.502	0.582	0.172	0.199	

10.37. 5G NR Band n77 (Block C) Power Class 2 (100MHz Bandwidth)

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

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

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

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

Reported SAR vs. Output Power linearly scaled

Antenna	RF Exposure Conditions	Power Class 2			Power Class 3				PC2 linearly scaled Reported SAR (W/kg)	Linearly scaled (<10%)
		Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Duty Cycle	Tune-up Power (dBm)	Frame Avg. Power (mW)	Reported 1-g SAR (W/kg)		
ANT7	Head	50.0%	27.70	294.42	100.0%	25.70	371.54	0.525	0.416	-20.76%
ANT9	Head	50.0%	27.20	262.40	100.0%	25.70	371.54	0.272	0.192	-29.37%

Conclusion:

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

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10.38. Wi-Fi (DTS Band)

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

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

Antenna	WWAN Power	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
											Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Cell OFF	Head	802.11b	Mode A	0	Left Touch	6	2437	0.490	100.0%	21.50	20.46	0.291	0.370	0.150	0.191	148
						Left Tilt	6	2437	0.164	100.0%	21.50	20.46					
						Right Touch	6	2437	0.194	100.0%	21.50	20.46					
						Right Tilt	6	2437	0.220	100.0%	21.50	20.46					
		Body & Hotspot	802.11b	Mobe B	5	Rear	6	2437	0.923	100.0%	19.25	17.78	0.497	0.697	0.242	0.339	149
						Front	6	2437	0.547	100.0%	19.25	17.78	0.358	0.502	0.180	0.253	
		Hotspot	802.11b	Mode B	5	Edge 3	6	2437	0.244	100.0%	19.25	17.78					
						Edge 4	1	2412	1.120	100.0%	19.25	17.76	0.782	1.102	0.327	0.461	
							6	2437	1.170	100.0%	19.25	17.78	0.797	1.118	0.338	0.474	150
							11	2462	0.959	100.0%	19.25	17.69	0.599	0.858	0.263	0.377	
Antenna	WWAN Power	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
											Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Cell OFF	Head	802.11b	Mode A	0	Left Touch	1	2412	1.190	100.0%	20.00	18.55	0.836	1.167	0.383	0.535	
							6	2437	1.100	100.0%	20.00	19.00	0.952	**1.198**	0.421	0.530	151
							11	2462	1.220	100.0%	20.00	18.35	0.644	0.942	0.316	0.462	
						Left Tilt	6	2437	0.555	100.0%	20.00	19.00	0.340	0.428	0.140	0.176	
						Right Touch	6	2437	0.251	100.0%	20.00	19.00					
						Right Tilt	6	2437	0.138	100.0%	20.00	19.00					
		Body & Hotspot	802.11b	Mode B	5	Rear	1	2412	1.610	100.0%	20.50	19.09	0.831	**1.150**	0.407	0.563	152
							6	2437	1.540	100.0%	20.50	19.19	0.844	1.141	0.378	0.511	
							11	2462	1.170	100.0%	20.50	19.13	0.702	0.962	0.349	0.478	
						Front	6	2437	0.679	100.0%	20.50	19.19	0.453	0.612	0.214	0.289	
		Hotspot	802.11b	Mode B	5	Edge 1	6	2437	0.307	100.0%	20.50	19.19					
						Edge 2	1	2412	1.020	100.0%	20.50	19.09	0.847	**1.172**	0.379	0.524	153
							6	2437	1.240	100.0%	20.50	19.19	0.842	1.138	0.379	0.512	
							11	2462	1.080	100.0%	20.50	19.13	0.836	1.146	0.369	0.506	
Antenna	WWAN Power	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
											Tune-up	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3	Cell ON	Head	802.11b	Mode A	0	Left Touch	6	2437	0.342	100.0%	20.50	19.49	0.181	0.228	0.089	0.112	154
						Left Tilt	6	2437	0.140	100.0%	20.50	19.49					
						Right Touch	6	2437	0.151	100.0%	20.50	19.49					
						Right Tilt	6	2437	0.176	100.0%	20.50	19.49					
		Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	0.282	100.0%	15.75	14.21	0.221	0.315	0.102	0.145	155
						Front	6	2437	0.277	100.0%	15.75	14.21					
		Hotspot	802.11b	Mode B	5	Edge 3	6	2437	0.054	100.0%	15.75	14.21					
						Edge 4	6	2437	0.392	100.0%	15.75	14.21	0.313	0.446	0.129	0.184	156
Antenna	WWAN Power	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
											Tune-up	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4	Cell ON	Head	802.11b	Mode A	0	Left Touch	6	2437	0.359	100.0%	15.25	13.91	0.278	0.378	0.127	0.173	157
						Left Tilt	6	2437	0.153	100.0%	15.25	13.91					
						Right Touch	6	2437	0.049	100.0%	15.25	13.91					
						Right Tilt	6	2437	0.004	100.0%	15.25	13.91					
		Body & Hotspot	802.11b	Mode B	5	Rear	6	2437	0.541	100.0%	17.00	15.90	0.351	0.452	0.168	0.216	158
						Front	6	2437	0.210	100.0%	17.00	15.90	0.134	0.173	0.046	0.059	
		Hotspot	802.11b	Mode B	5	Edge 1	6	2437	0.107	100.0%	17.00	15.90					
						Edge 2	6	2437	0.635	100.0%	17.00	15.90	0.349	0.450	0.155	0.200	

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10.39. 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	0.030	97.9%	20.50	18.91					
							Left Tilt	54	5270	0.012	97.9%	20.50	18.91					
							Right Touch	54	5270	0.036	97.9%	20.50	18.91	0.012	0.018	0.002	0.003	159
							Right Tilt	54	5270	0.024	97.9%	20.50	18.91					
		U-NII-1	Body & Hotspot	802.11n (HT40)	Mode B	5	Rear	46	5230	0.716	97.9%	18.75	17.33	0.425	0.602	0.140	0.198	160
							Front	46	5230	0.029	97.9%	18.75	17.33					
			Hotspot	802.11n (HT40)	Mode B	5	Edge 3	46	5230	0.232	97.9%	18.75	17.33	0.126	0.178	0.004	0.006	
							Edge 4	46	5230	0.155	97.9%	18.75	17.33					

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	0.070	95.8%	20.50	19.08					
							Left Tilt	122	5610	0.045	95.8%	20.50	19.08					
							Right Touch	122	5610	0.157	95.8%	20.50	19.08	0.070	0.101	0.026	0.038	161
							Right Tilt	122	5610	0.025	95.8%	20.50	19.08					
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	106	5530	1.320	95.8%	16.00	14.64	0.627	0.895	0.222	0.317	
								122	5610	0.997	95.8%	18.25	16.48	0.716	1.123	0.242	0.380	
								138	5690	1.470	95.8%	18.25	16.89	0.812	1.159	0.265	0.378	162
							Front	122	5610	0.088	95.8%	18.25	16.89	0.026	0.037	0.008	0.012	
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 3	122	5610	0.546	95.8%	18.25	16.89	0.247	0.353	0.084	0.120	
							Edge 4	122	5610	0.299	95.8%	18.25	16.89					

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	0.130	98.9%	21.50	20.14	0.035	0.048	0.009	0.013	163
							Left Tilt	157	5785	0.087	98.9%	21.50	20.14					
							Right Touch	157	5785	0.107	98.9%	21.50	20.14					
							Right Tilt	157	5785	0.032	98.9%	21.50	20.14					
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	155	5775	1.820	95.8%	17.75	16.32	0.784	1.137	0.275	0.399	164
							Front	155	5775	0.153	95.8%	17.75	16.32	0.077	0.112	0.025	0.036	
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 3	155	5775	0.679	95.8%	17.75	16.32	0.299	0.434	0.102	0.148	
							Edge 4	155	5775	0.420	95.8%	17.75	16.32					

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	0.293	97.9%	18.75	17.31					
							Left Tilt	46	5230	0.240	97.9%	18.75	17.31					
							Right Touch	38	5190	0.995	97.9%	17.50	16.02	0.498	0.715	0.153	0.220	
								46	5230	1.250	97.9%	18.75	17.31	0.773	**1.100**	0.243	0.346	165
							Right Tilt	46	5230	0.626	97.9%	18.75	17.31	0.341	0.485	0.093	0.132	
			Body & Hotspot	802.11n (HT40)	Mode B	5	Rear	38	5190	0.775	97.9%	17.50	16.02	0.334	0.480	0.096	0.138	
								46	5230	0.954	97.9%	20.50	18.85	0.794	**1.186**	0.220	0.329	166
							Front	46	5230	0.785	97.9%	20.50	18.85	0.332	0.496	0.070	0.104	
			Hotspot	802.11n (HT40)	Mode B	5	Edge 1	46	5230	0.376	97.9%	20.50	18.85					
							Edge 4	46	5230	0.475	97.9%	20.50	18.85					

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	0.777	95.8%	19.00	17.45	0.460	0.686	0.117	0.174	
							Left Tilt	122	5610	0.879	95.8%	19.00	17.45	0.409	0.610	0.100	0.149	
							Right Touch	106	5530	0.416	95.8%	16.00	14.52	0.161	0.236	0.044	0.065	
								122	5610	1.350	95.8%	19.00	17.45	0.716	1.068	0.229	0.341	167
								138	5690	1.510	95.8%	19.00	17.25	0.625	0.976	0.186	0.290	
							Right Tilt	122	5610	1.570	95.8%	19.00	17.45	0.531	0.792	0.184	0.274	
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	106	5530	0.815	95.8%	16.00	14.52	0.370	0.543	0.135	0.198	
								122	5610	2.020	95.8%	17.50	16.10	0.741	1.067	0.323	0.465	
								138	5690	1.740	95.8%	17.50	15.70	0.720	1.137	0.210	0.332	168
							Front	122	5610	0.297	95.8%	17.50	16.10	0.122	0.176	0.051	0.074	
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 1	122	5610	0.451	95.8%	17.50	16.10					
							Edge 4	122	5610	0.833	95.8%	17.50	16.10	0.360	0.519	0.108	0.156	

Antenna	WWAN Power	Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT6	Cell OFF	U-NII-3	Head	802.11ac (VHT80)	Mode A	0	Left Touch	155	5775	1.220	95.8%	19.50	18.02	0.537	0.788	0.131	0.192	
							Left Tilt	155	5775	0.738	95.8%	19.50	18.02	0.404	0.593	0.097	0.142	
							Right Touch	155	5775	1.860	95.8%	19.50	18.02	0.694	1.018	0.206	0.302	169
							Right Tilt	155	5775	1.130	95.8%	19.50	18.02	0.519	0.761	0.152	0.223	
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	155	5775	2.340	95.8%	17.75	16.36	0.797	1.145	0.247	0.355	170
							Front	155	5775	0.350	95.8%	17.75	16.36	0.155	0.223	0.045	0.065	
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 1	155	5775	0.050	95.8%	17.75	16.36					
							Edge 4	155	5775	0.886	95.8%	17.75	16.36	0.292	0.420	0.094	0.135	

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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	Head	802.11n (HT40)	Mode A	0	Left Touch	54	5270	0.021	97.9%	19.00	17.59					
							Left Tilt	54	5270	0.008	97.9%	19.00	17.59					
							Right Touch	54	5270	0.062	97.9%	19.00	17.59	0.002	0.002	0.000	0.000	171
							Right Tilt	54	5270	0.016	97.9%	19.00	17.59					
		U-NII-1	Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	42	5210	0.553	95.8%	15.00	13.85	0.266	0.362	0.088	0.120	172
							Front	42	5210	0.031	95.8%	15.00	13.85					
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 3	42	5210	0.094	95.8%	15.00	13.85					
							Edge 4	42	5210	0.095	95.8%	15.00	13.85					

Antenna	WWAN Power	Band	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT5	Cell ON	U-NII-2C	Head	802.11ac (VHT80)	Mode A	0	Left Touch	122	5610	0.044	95.8%	19.00	17.61	0.030	0.043	0.009	0.012	173
							Left Tilt	122	5610	0.022	95.8%	19.00	17.61					
							Right Touch	122	5610	0.023	95.8%	19.00	17.61					
							Right Tilt	122	5610	0.011	95.8%	19.00	17.61					
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	122	5610	0.552	95.8%	14.50	13.26	0.269	0.373	0.092	0.128	174
							Front	122	5610	0.028	95.8%	14.50	13.26					
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 3	122	5610	0.255	95.8%	14.50	13.26					
							Edge 4	122	5610	0.138	95.8%	14.50	13.26					

Antenna	WWAN Power	Band	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
												Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT5	Cell ON	U-NII-3	Head	802.11ac (VHT80)	Mode A	0	Left Touch	155	5775	0.088	95.8%	19.50	18.07					
							Left Tilt	155	5775	0.017	95.8%	19.50	18.07					
							Right Touch	155	5775	0.195	95.8%	19.50	18.07	0.074	0.107	0.021	0.030	175
							Right Tilt	155	5775	0.016	95.8%	19.50	18.07					
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	155	5775	0.557	95.8%	14.00	13.01	0.295	0.387	0.107	0.140	176
							Front	155	5775	0.047	95.8%	14.00	13.01					
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 3	155	5775	0.289	95.8%	14.00	13.01					
							Edge 4	155	5775	0.125	95.8%	14.00	13.01					

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	0.270	95.8%	12.75	11.33					
							Left Tilt	42	5210	0.289	95.8%	12.75	11.33					
							Right Touch	42	5210	0.303	95.8%	12.75	11.33	0.180	0.260	0.053	0.077	177
							Right Tilt	42	5210	0.383	95.8%	12.75	11.33					
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	42	5210	0.567	95.8%	16.00	14.73	0.258	0.361	0.071	0.100	178
							Front	42	5210	0.512	95.8%	16.00	14.73					
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 1	42	5210	0.215	95.8%	16.00	14.73					
							Edge 4	42	5210	0.397	95.8%	16.00	14.73					

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	0.281	95.8%	13.00	11.55					
							Left Tilt	122	5610	0.237	95.8%	13.00	11.55					
							Right Touch	122	5610	0.478	95.8%	13.00	11.55	0.175	0.255	0.052	0.076	179
							Right Tilt	122	5610	0.299	95.8%	13.00	11.55					
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	122	5610	0.393	95.8%	13.25	11.83	0.241	0.349	0.072	0.104	180
							Front	122	5610	0.169	95.8%	13.25	11.83					
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 1	122	5610	0.160	95.8%	13.25	11.83					
							Edge 4	122	5610	0.559	95.8%	13.25	11.83					

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	0.249	95.8%	13.50	12.21					
							Left Tilt	155	5775	0.258	95.8%	13.50	12.21					
							Right Touch	155	5775	0.434	95.8%	13.50	12.21	0.201	0.282	0.049	0.069	181
							Right Tilt	155	5775	0.337	95.8%	13.50	12.21					
			Body & Hotspot	802.11ac (VHT80)	Mode B	5	Rear	155	5775	0.523	95.8%	13.00	11.96	0.298	0.395	0.079	0.105	182
							Front	155	5775	0.104	95.8%	13.00	11.96					
			Hotspot	802.11ac (VHT80)	Mode B	5	Edge 1	155	5775	0.116	95.8%	13.00	11.96					
							Edge 4	155	5775	0.244	95.8%	13.00	11.96					

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10.40. Bluetooth

Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3 P_{low}	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	13.00	11.67	0.022	0.030	0.012	0.016	183
					Left Tilt	39	2441	100.0%	13.00	11.67	0.012	0.016	0.007	0.009	
					Right Touch	39	2441	100.0%	13.00	11.67	0.016	0.022	0.009	0.012	
					Right Tilt	39	2441	100.0%	13.00	11.67	0.015	0.021	0.006	0.008	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	9.50	8.49	0.076	0.096	0.037	0.047	
					Front	39	2441	100.0%	9.50	8.49	0.078	0.098	0.040	0.050	184
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	9.50	8.49	0.022	0.028	0.011	0.014	
					Edge 4	39	2441	100.0%	9.50	8.49	0.075	0.095	0.036	0.045	
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT3 P_{high}	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	19.50	18.24	0.159	0.213	0.086	0.115	185
					Left Tilt	39	2441	100.0%	19.50	18.24	0.062	0.083	0.032	0.043	
					Right Touch	39	2441	100.0%	19.50	18.24	0.071	0.095	0.040	0.053	
					Right Tilt	39	2441	100.0%	19.50	18.24	0.087	0.116	0.043	0.057	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	15.50	14.39	0.307	0.396	0.142	0.183	186
					Front	39	2441	100.0%	15.50	14.39	0.231	0.298	0.114	0.147	
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	15.50	14.39	0.050	0.065	0.020	0.026	
					Edge 4	39	2441	100.0%	15.50	14.39	0.225	0.291	0.104	0.134	
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	18.24	0.304	0.456	0.172	0.258	187
					Left Tilt	39	2441	100.0%	20.00	18.24	0.140	0.210	0.072	0.109	
					Right Touch	39	2441	100.0%	20.00	18.24	0.204	0.306	0.116	0.174	
					Right Tilt	39	2441	100.0%	20.00	18.24	0.198	0.297	0.104	0.156	
	Body & Hotspot	GFSK	Mode B	5	Rear	0	2402	100.0%	20.00	18.22	0.531	0.800	0.253	0.381	
						39	2441	100.0%	20.00	18.24	0.570	0.855	0.272	0.408	
						78	2480	100.0%	20.00	18.44	0.665	**0.952**	0.307	0.440	188
					Front	39	2441	100.0%	20.00	18.24	0.477	0.715	0.220	0.330	
	Hotspot	GFSK	Mode B	5	Edge 3	39	2441	100.0%	20.00	18.24	0.177	0.265	0.091	0.136	
					Edge 4	0	2402	100.0%	20.00	18.22	0.748	1.127	0.313	0.472	
						39	2441	100.0%	20.00	18.24	0.768	1.152	0.333	0.499	
						78	2480	100.0%	20.00	18.44	0.824	1.180	0.330	0.473	189
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4 P_{low}	Head	GFSK	Mode A	0	Left Touch	39	2441	100.0%	9.00	7.64	0.053	0.073	0.025	0.034	190
					Left Tilt	39	2441	100.0%	9.00	7.64	0.033	0.045	0.016	0.022	
					Right Touch	39	2441	100.0%	9.00	7.64	0.020	0.027	0.011	0.015	
					Right Tilt	39	2441	100.0%	9.00	7.64	0.015	0.021	0.008	0.011	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	9.50	8.19	0.060	0.081	0.031	0.042	191
					Front	39	2441	100.0%	9.50	8.19	0.028	0.038	0.014	0.019	
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	9.50	8.19	0.014	0.019	0.007	0.009	
					Edge 2	39	2441	100.0%	9.50	8.19	0.063	0.085	0.029	0.039	192
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%	15.00	13.74	0.293	0.392	0.141	0.188	193
					Left Tilt	39	2441	100.0%	15.00	13.74	0.214	0.286	0.090	0.120	
					Right Touch	39	2441	100.0%	15.00	13.74	0.084	0.112	0.042	0.055	
					Right Tilt	39	2441	100.0%	15.00	13.74	0.065	0.087	0.033	0.043	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	15.50	14.22	0.177	0.238	0.091	0.122	194
					Front	39	2441	100.0%	15.50	14.22	0.124	0.167	0.058	0.078	
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	15.50	14.22	0.078	0.105	0.029	0.039	
					Edge 2	39	2441	100.0%	15.50	14.22	0.296	0.397	0.120	0.161	195
Antenna	RF Exposure Conditions	Mode	Power Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up Limit	Meas.	Meas.	Scaled	Meas.	Scaled	
ANT4 $P_{standlone}$	Head	GFSK	Mode A	0	Left Touch	0	2402	100.0%	20.00	18.63	0.820	**1.124**	0.386	0.529	196
						39	2441	100.0%	20.00	18.72	0.743	0.998	0.356	0.478	
						78	2480	100.0%	20.00	18.66	0.732	0.997	0.337	0.459	
					Left Tilt	39	2441	100.0%	20.00	18.72	0.281	0.377	0.125	0.168	
					Right Touch	39	2441	100.0%	20.00	18.72	0.168	0.226	0.087	0.116	
					Right Tilt	39	2441	100.0%	20.00	18.72	0.131	0.176	0.065	0.087	
	Body & Hotspot	GFSK	Mode B	5	Rear	39	2441	100.0%	20.00	18.72	0.491	0.659	0.141	0.189	197
					Front	39	2441	100.0%	20.00	18.72	0.210	0.282	0.103	0.138	
	Hotspot	GFSK	Mode B	5	Edge 1	39	2441	100.0%	20.00	18.72	0.133	0.179	0.055	0.074	
					Edge 2	0	2402	100.0%	20.00	18.63	0.871	**1.194**	0.361	0.495	198
						39	2441	100.0%	20.00	18.72	0.808	1.085	0.309	0.415	
						78	2480	100.0%	20.00	18.66	0.771	1.050	0.344	0.468	

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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 26	Head	Left Touch	Yes	0.896	0.801	1.12
1700	WCDMA Band IV	Body & Hotspot	Rear	Yes	0.834	0.773	1.08
1900	CDMA BC 1	Body & Hotspot	Rear	Yes	0.887	0.849	1.04
2300	LTE Band 30	Body & Hotspot	Rear	Yes	0.880	0.855	1.03
2400	Wi-Fi 802.11b/g/n	Head	Left Touch	Yes	0.952	0.931	1.02
2500	LTE Band 7	Hotspot	Edge 2	Yes	0.882	0.818	1.08
2600	LTE Band 41	Head	Left Touch	Yes	0.883	0.736	1.20
3600	LTE Band 48	Body & Hotspot	Edge 2	Yes	0.841	0.757	1.11
5500	Wi-Fi 802.11a/n/ac	Body & Airplay	Rear	Yes	0.812	0.701	1.16

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	0.048	0.788	0.213	0.392	0.260	0.439	1.000	1.180
	Left Tilt	0.048	0.610	0.083	0.286	0.131	0.334	0.693	0.896
	Right Touch	0.101	1.100	0.095	0.112	0.196	0.213	1.195	1.211
	Right Tilt	0.048	0.792	0.116	0.087	0.164	0.135	0.908	0.879
Body-worn & Hotspot	Rear	1.159	1.186	0.396	0.238	1.555	1.397	**1.582**	1.423
	Front	0.112	0.496	0.298	0.167	0.410	0.278	0.794	0.662
Hotspot	Edge 1		0.496		0.105		0.105	0.496	0.601
	Edge 2				0.397		0.397		0.397
	Edge 3	0.434		0.065		0.498	0.434	0.065	
	Edge 4	0.112	0.519	0.291		0.402	0.112	0.809	0.519

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	0.327	0.228	0.378	0.213	0.392	0.555	0.705	0.539	0.718
	Left Tilt	0.317	0.228	0.378	0.083	0.286	0.546	0.696	0.400	0.603
	Right Touch	0.951	0.228	0.378	0.095	0.112	1.179	1.329	1.046	1.062
	Right Tilt	0.233	0.228	0.378	0.116	0.087	0.461	0.611	0.349	0.320
Body-worn & Hptspot	Rear	0.933	0.315	0.452	0.396	0.238	1.248	1.385	1.329	1.170
	Front	0.591	0.315	0.173	0.298	0.167	0.906	0.764	0.889	0.758
Hotspot	Edge 1			0.173	0.000	0.105	0.000	0.173	0.000	0.105
	Edge 2	0.956		0.450		0.397	0.956	1.406	0.956	1.353
	Edge 3	0.959	0.315		0.065		1.274	0.959	1.024	0.959
	Edge 4	0.362	0.446		0.291		0.808	0.362	0.653	0.362

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	0.327	0.043	0.282	0.030	0.073	0.400	0.442	0.639	0.682
	Left Tilt	0.317	0.043	0.282	0.016	0.045	0.377	0.405	0.616	0.645
	Right Touch	0.951	0.107	0.282	0.022	0.027	1.080	1.085	1.254	1.260
	Right Tilt	0.233	0.043	0.282	0.021	0.021	0.297	0.296	0.536	0.535
Body-worn & Hptspot	Rear	0.933	0.387	0.395	0.096	0.081	1.416	1.401	1.424	1.409
	Front	0.591	0.387	0.395	0.098	0.038	1.076	1.016	1.085	1.024
Hotspot	Edge 1			0.395		0.019	0.000	0.019	0.395	0.414
	Edge 2	0.956				0.085	0.956	1.041	0.956	1.041
	Edge 3	0.959	0.387		0.028		1.373	1.346	0.987	0.959
	Edge 4	0.362	0.387	0.395	0.095		0.844	0.749	0.852	0.757

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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	0.959	0.228	0.378	0.213	0.392	1.188	**1.338**	1.172	**1.351**
	Left Tilt	0.920	0.228	0.378	0.083	0.286	1.148	1.298	1.002	1.206
	Right Touch	0.950	0.228	0.378	0.095	0.112	1.178	1.328	1.044	1.061
	Right Tilt	0.737	0.228	0.378	0.116	0.087	0.965	1.115	0.853	0.824
Body-worn & Hptspot	Rear	0.957	0.315	0.452	0.396	0.238	1.272	1.409	1.353	1.194
	Front	0.636	0.315	0.173	0.298	0.167	0.951	0.809	0.934	0.802
Hotspot	Edge 1	0.953		0.173	0.000	0.105	0.953	1.126	0.953	1.058
	Edge 2	0.299		0.450		0.397	0.299	0.748	0.299	0.696
	Edge 3		0.315		0.065		0.315	0.000	0.065	0.000
	Edge 4	0.947	0.446		0.291		1.394	0.947	1.238	0.947

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT2	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.959	0.043	0.282	0.030	0.073	1.032	1.075	1.272	**1.314**
	Left Tilt	0.920	0.043	0.282	0.016	0.045	0.979	1.008	1.218	1.247
	Right Touch	0.950	0.107	0.282	0.022	0.027	1.078	1.084	1.253	1.259
	Right Tilt	0.737	0.043	0.282	0.021	0.021	0.801	0.800	1.040	1.040
Body-worn & Hptspot	Rear	0.957	0.387	0.395	0.096	0.081	1.439	1.424	1.448	1.433
	Front	0.636	0.387	0.395	0.098	0.038	1.121	1.060	1.129	1.069
Hotspot	Edge 1	0.953		0.395		0.019	0.953	0.972	1.348	1.367
	Edge 2	0.299				0.085	0.299	0.384	0.694	0.779
	Edge 3		0.387		0.028		0.414	0.387	0.028	0.000
	Edge 4	0.947	0.387	0.395	0.095		1.429	1.334	**1.437**	1.342

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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	0.600	0.228	0.378	0.213	0.392	0.828	0.978	0.812	0.991
	Left Tilt	0.253	0.228	0.378	0.083	0.286	0.482	0.632	0.336	0.539
	Right Touch	0.324	0.228	0.378	0.095	0.112	0.553	0.703	0.419	0.436
	Right Tilt	0.254	0.228	0.378	0.116	0.087	0.482	0.633	0.370	0.341
Body-worn & Hptspot	Rear	0.958	0.315	0.452	0.396	0.238	1.273	**1.410**	1.355	1.196
	Front	0.567	0.315	0.173	0.298	0.167	0.882	0.740	0.866	0.734
Hotspot	Edge 1			0.173	0.000	0.105	0.000	0.173	0.000	0.105
	Edge 2			0.450		0.397	0.000	0.450	0.000	0.397
	Edge 3	0.327	0.315		0.065		0.642	0.327	0.391	0.327
	Edge 4	0.937	0.446		0.291		1.383	0.937	1.228	0.937

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	0.600	0.043	0.282	0.030	0.073	0.673	0.716	0.912	0.955
	Left Tilt	0.253	0.043	0.282	0.016	0.045	0.313	0.342	0.552	0.581
	Right Touch	0.324	0.107	0.282	0.022	0.027	0.453	0.459	0.628	0.634
	Right Tilt	0.254	0.043	0.282	0.021	0.021	0.318	0.318	0.557	0.557
Body-worn & Hptspot	Rear	0.958	0.387	0.395	0.096	0.081	1.441	1.426	**1.450**	1.434
	Front	0.567	0.387	0.395	0.098	0.038	1.052	0.992	1.061	1.000
Hotspot	Edge 1			0.395		0.019	0.000	0.019	0.395	0.414
	Edge 2					0.085	0.000	0.085	0.000	0.085
	Edge 3	0.327	0.387		0.028		0.741	0.713	0.354	0.327
	Edge 4	0.937	0.387	0.395	0.095		1.418	1.324	1.427	1.332

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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	0.959	0.228	0.378	0.213	0.392	1.188	1.338	1.172	1.351
	Left Tilt	0.634	0.228	0.378	0.083	0.286	0.863	1.013	0.717	0.920
	Right Touch	0.416	0.228	0.378	0.095	0.112	0.645	0.795	0.511	0.528
	Right Tilt	0.302	0.228	0.378	0.116	0.087	0.531	0.681	0.419	0.389
Body-worn & Hptspot	Rear	0.905	0.315	0.452	0.396	0.238	1.220	1.357	1.301	1.143
	Front	0.526	0.315	0.173	0.298	0.167	0.841	0.698	0.824	0.692
Hotspot	Edge 1	0.429		0.173	0.000	0.105	0.429	0.602	0.429	0.534
	Edge 2	0.958		0.450		0.397	0.958	**1.407**	0.958	1.355
	Edge 3		0.315		0.065		0.315	0.000	0.065	0.000
	Edge 4		0.446		0.291		0.446	0.000	0.291	0.000

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT4	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.959	0.043	0.282	0.030	0.073	1.032	1.075	1.271	1.314
	Left Tilt	0.634	0.043	0.282	0.016	0.045	0.694	0.722	0.933	0.962
	Right Touch	0.416	0.107	0.282	0.022	0.027	0.545	0.551	0.720	0.726
	Right Tilt	0.302	0.043	0.282	0.021	0.021	0.366	0.366	0.605	0.605
Body-worn & Hptspot	Rear	0.905	0.387	0.395	0.096	0.081	1.388	1.373	1.396	1.381
	Front	0.526	0.387	0.395	0.098	0.038	1.011	0.950	1.019	0.958
Hotspot	Edge 1	0.429		0.395		0.019	0.429	0.448	0.824	0.843
	Edge 2	0.958				0.085	0.958	1.043	0.958	1.043
	Edge 3		0.387		0.028		0.414	0.387	0.028	0.000
	Edge 4		0.387	0.395	0.095		0.481	0.387	0.490	0.395

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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	0.230	0.228	0.378	0.213	0.392	0.458	0.608	0.442	0.621
	Left Tilt	0.230	0.228	0.378	0.083	0.286	0.458	0.608	0.312	0.516
	Right Touch	0.525	0.228	0.378	0.095	0.112	0.753	0.903	0.620	0.636
	Right Tilt	0.153	0.228	0.378	0.116	0.087	0.381	0.532	0.269	0.240
Body-worn & Hptspot	Rear	0.940	0.315	0.452	0.396	0.238	1.255	1.392	1.336	1.177
	Front	0.417	0.315	0.173	0.298	0.167	0.732	0.590	0.716	0.584
Hotspot	Edge 1			0.173	0.000	0.105	0.000	0.173	0.000	0.105
	Edge 2	0.937		0.450		0.397	0.937	1.387	0.937	1.334
	Edge 3	0.433	0.315		0.065		0.748	0.433	0.497	0.433
	Edge 4		0.446		0.291		0.446	0.000	0.291	0.000

RF Exposure conditions	Test Position	Standalone SAR (W/kg)					∑ 1-g SAR (W/kg)			
		1	4	5	8	9	1+4+8	1+4+9	1+5+8	1+5+9
		WWAN Cell-on ANT7	Wi-Fi 5G ANT5	Wi-Fi 5G ANT6	BT(P_{Low}) ANT3	BT(P_{Low}) ANT4				
Head	Left Touch	0.230	0.043	0.282	0.030	0.073	0.303	0.345	0.542	0.585
	Left Tilt	0.230	0.043	0.282	0.016	0.045	0.289	0.318	0.528	0.557
	Right Touch	0.525	0.107	0.282	0.022	0.027	0.654	0.659	0.829	0.834
	Right Tilt	0.153	0.043	0.282	0.021	0.021	0.217	0.217	0.456	0.456
Body-worn & Hptspot	Rear	0.940	0.387	0.395	0.096	0.081	1.422	1.407	1.431	1.416
	Front	0.417	0.387	0.395	0.098	0.038	0.902	0.842	0.911	0.850
Hotspot	Edge 1			0.395		0.019	0.000	0.019	0.395	0.414
	Edge 2	0.937				0.085	0.937	1.022	0.937	1.022
	Edge 3	0.433	0.387		0.028		0.847	0.819	0.460	0.433
	Edge 4		0.387	0.395	0.095		0.481	0.387	0.490	0.395

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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	0.250	0.228	0.378	0.213	0.392	0.479	0.629	0.463	0.642
	Left Tilt	0.248	0.228	0.378	0.083	0.286	0.476	0.626	0.331	0.534
	Right Touch	0.815	0.228	0.378	0.095	0.112	1.043	1.193	0.910	0.926
	Right Tilt	0.445	0.228	0.378	0.116	0.087	0.673	0.823	0.561	0.532
Body-worn & Hptspot	Rear	0.956	0.315	0.452	0.396	0.238	1.271	1.408	1.352	1.193
	Front	0.481	0.315	0.173	0.298	0.167	0.796	0.653	0.779	0.647
Hotspot	Edge 1	0.217		0.173	0.000	0.105	0.217	0.390	0.217	0.322
	Edge 2			0.450		0.397	0.000	0.450	0.000	0.397
	Edge 3		0.315		0.065		0.315	0.000	0.065	0.000
	Edge 4	0.887	0.446		0.291		1.334	0.887	1.178	0.887

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	0.250	0.043	0.282	0.030	0.073	0.323	0.366	0.563	0.605
	Left Tilt	0.248	0.043	0.282	0.016	0.045	0.307	0.336	0.546	0.575
	Right Touch	0.815	0.107	0.282	0.022	0.027	0.944	0.950	1.119	1.125
	Right Tilt	0.445	0.043	0.282	0.021	0.021	0.509	0.509	0.748	0.748
Body-worn & Hptspot	Rear	0.956	0.387	0.395	0.096	0.081	1.439	1.424	1.447	1.432
	Front	0.481	0.387	0.395	0.098	0.038	0.966	0.905	0.974	0.914
Hotspot	Edge 1	0.217		0.395		0.019	0.217	0.236	0.612	0.631
	Edge 2					0.085	0.000	0.085	0.000	0.085
	Edge 3		0.387		0.028		0.414	0.387	0.028	0.000
	Edge 4	0.887	0.387	0.395	0.095		1.369	1.274	1.377	1.282

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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	0.272	0.228	0.378	0.213	0.392	0.501	0.651	0.485	0.664
	Left Tilt	0.112	0.228	0.378	0.083	0.286	0.340	0.490	0.194	0.398
	Right Touch	0.172	0.228	0.378	0.095	0.112	0.400	0.550	0.267	0.283
	Right Tilt	0.059	0.228	0.378	0.116	0.087	0.287	0.437	0.175	0.146
Body-worn & Hptspot	Rear	0.811	0.315	0.452	0.396	0.238	1.126	1.263	1.207	1.048
	Front	0.952	0.315	0.173	0.298	0.167	1.267	1.124	1.250	1.118
Hotspot	Edge 1			0.173	0.000	0.105	0.000	0.173	0.000	0.105
	Edge 2			0.450		0.397	0.000	0.450	0.000	0.397
	Edge 3	0.301	0.315		0.065		0.616	0.301	0.365	0.301
	Edge 4	0.780	0.446		0.291		1.226	0.780	1.070	0.780

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	0.272	0.043	0.282	0.030	0.073	0.346	0.388	0.585	0.627
	Left Tilt	0.112	0.043	0.282	0.016	0.045	0.171	0.200	0.410	0.439
	Right Touch	0.172	0.107	0.282	0.022	0.027	0.301	0.307	0.476	0.482
	Right Tilt	0.059	0.043	0.282	0.021	0.021	0.123	0.123	0.362	0.362
Body-worn & Hptspot	Rear	0.811	0.387	0.395	0.096	0.081	1.294	1.278	1.302	1.287
	Front	0.952	0.387	0.395	0.098	0.038	1.437	1.376	1.445	1.385
Hotspot	Edge 1			0.395		0.019	0.000	0.019	0.395	0.414
	Edge 2					0.085	0.000	0.085	0.000	0.085
	Edge 3	0.301	0.387		0.028		0.715	0.687	0.328	0.301
	Edge 4	0.780	0.387	0.395	0.095		1.261	1.166	1.269	1.175

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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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