FCC 47 CFR § 2.1093
IEEE Std 1528-2013

SAR EVALUATION REPORT
(Part 1 : Test in Static Transmission Condition)

FOR

GSM/WCDMA/LTE/5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, NFC,WPT and UWB

MODEL NUMBER: SM-F946U, SM-F946U1

FCC ID: A3LSMF946U

REPORT NUMBER: 4790748041-S1V3

ISSUE DATE: 5/24/2023

Prepared for
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IAS ACCREDITED

Testing Laboratory

TL-637

Revision History

Rev.	Date	Revisions	Revised By
V1	5/15/2023	Initial Issue	--
V2	5/22/2023	Revised table in Sec.6.3. Revised AIT supported bands in sec.6.9 and App.H. Revised tune-up limit and measure power in Sec.9.3 and Sec.10.1.13. Revised covered NR bands in sec.9.4. Added note in NR Band n41 SRS measures Results in Sec.9.4. Added table and note of NR Band n41 test case reduction in Sec.6.4 Revised table in Sec.9.6 related UNII Bands. Revised UL CA tune-up and measured output power in Sec.10.1.13. -Revised additionally Sec.1.1 and 12.1.1.1 related LTE Band 41 (Ant.B & Ant.F). Retest BT SAR for Phablet (Sec.10.1.30) and UMPC (Sec.10.2.30). -Revised additionally Sec.1, 1.1, 4.3, 8, 12.1.1, 12.1.2 and App.B, C, E, F related BT SAR results. Revised (Ant.H+G) to (Ant.H+J) for UNII MIMO antennas. -Revised additionally Sec.1, 6.4, 7, 9.6, 10.1.29, 10.2.29, 12.1, 12.1.1, 12.1.2 related UNII MIMO antennas change.	Sunghoon Kim
V3	5/24/2023	Revised DTS SAR result table in Sec.10.1.28 & 10.2.28. Revised tune-up limit in sec.10.1.13.	Sunghoon Kim

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1. Attestation of Test Results

Applicant Name		SAMSUNG ELECTRONICS CO.,LTD.					
FCC ID		A3LSMF946U					
Model Number		SM-F946U, SM-F946U1					
Applicable Standards		FCC 47 CFR § 2.1093 IEEE Std 1528-2013 Published RF exposure KDB procedures					
Exposure Category		SAR Limits (W/Kg)					
		Peak spatial-average (1g of tissue)			Product Specific & Extremity 10g (10g of tissue)		
General population / Uncontrolled exposure		1.6			4.0		
RF Exposure Conditions		Equipment Class - The Highest Reported SAR (W/kg)					
		PCE	CBE	DTS	NII	DSS	DXX
Phablet-Head		1.16	0.85	0.79	0.40	0.16	N/A
Phablet-Body-worn & Hotspot		0.83	0.46	0.50	0.98	0.12	N/A
Phablet-Product Specific 10g		N/A	N/A	N/A	1.61	N/A	< 0.10
UMPC Mini Tablet-Body		1.07	0.54	0.61	1.03	0.15	N/A
UMPC Mini Tablet-Extremity 10g		3.11	2.85	1.56	1.73	0.65	< 0.10
Simultaneous TX of Phablet & UMPC Mini Tablet	Head	1.28	1.28	1.28	1.28	1.28	N/A
	Body-worn & Hotspot	1.54	1.54	1.54	1.54	1.54	N/A
	Product Specific 10g	N/A	N/A	N/A	1.62	N/A	1.62
	Body	1.57	1.57	1.57	1.57	1.57	N/A
	Extremity 10g	3.65	3.65	3.65	3.65	3.65	3.65
Date Tested		3/20/2023 to 5/22/2023					
Test Results		Pass					

UL Korea, Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Korea, Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Korea, Ltd. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Korea, Ltd. 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 IAS, any agency of the Federal Government, or any agency of any government.

Approved & Released By:	Prepared By:
	
Justin Park Operations Leader UL Korea, Ltd. Suwon Laboratory	Sunghoon Kim Senior Laboratory Engineer UL Korea, Ltd. Suwon Laboratory

1.1. The Highest Reported SAR for RF exposure conditions for each bands

Equipment Class	Band	Antenna	The Highest Reported SAR (W/kg)				
			Phablet mode			UMPC Mini Tablet mode	
			1g of tissue		10g of tissue	1g of tissue	10g of tissue
			Head Exposure condition	Body-worn & Hotspot Exposure condition	Product Specific Exposure condition	Body Exposure condition	Extremity Exposure condition
PCE	GSM 850	Ant.A & Ant.(A+B)	0.189	0.322	N/A	0.647	1.365
	GSM 1900	Ant.B	0.067	0.425	N/A	0.502	1.608
	WCDMA Band II	Ant.B	0.121	0.599	N/A	0.762	2.705
	WCDMA Band IV	Ant.B	0.120	0.755	N/A	0.629	2.700
	WCDMA Band V	Ant.A & Ant.(A+B)	0.183	0.528	N/A	0.924	1.696
	LTE Band 71	Ant.A & Ant.(A+B)	0.179	0.438	N/A	0.502	1.581
	LTE Band 12	Ant.A & Ant.(A+B)	0.210	0.465	N/A	0.586	1.727
	LTE Band 13	Ant.A & Ant.(A+B)	0.203	0.580	N/A	0.611	2.057
	LTE Band 14	Ant.A & Ant.(A+B)	0.248	0.577	N/A	0.709	2.174
	LTE Band 26	Ant.A & Ant.(A+B)	0.227	0.491	N/A	0.698	1.928
	LTE Band 5	Ant.A & Ant.(A+B)	N/A	N/A	N/A	N/A	N/A
	LTE Band 66	Ant.B	0.131	**0.830**	N/A	0.598	2.426
	LTE Band 4	Ant.B	N/A	N/A	N/A	N/A	N/A
	LTE Band 25	Ant.B	0.142	0.661	N/A	0.695	2.435
	LTE Band 2	Ant.B	N/A	N/A	N/A	N/A	N/A
	LTE Band 30	Ant.B	0.047	0.453	N/A	0.580	2.298
	LTE Band 7	Ant.B	0.100	0.418	N/A	0.689	3.038
	LTE Band 38	Ant.B	N/A	N/A	N/A	N/A	N/A
	LTE Band 41	Ant.B	0.057	0.593	N/A	0.890	2.624
	LTE Band 48	Ant.F	0.522	0.326	N/A	0.422	2.852
	LTE Band 66	Ant.F	1.025	0.723	N/A	0.811	2.124
	LTE Band 4	Ant.F	N/A	N/A	N/A	N/A	N/A
	LTE Band 25	Ant.F	0.776	0.688	N/A	0.690	2.438
	LTE Band 2	Ant.F	N/A	N/A	N/A	N/A	N/A
	LTE Band 30	Ant.F	0.573	0.676	N/A	0.830	**3.108**
	LTE Band 7	Ant.F	**1.158**	0.517	N/A	0.607	1.906
	LTE Band 41	Ant.F	0.758	0.453	N/A	0.800	2.411
	NR Band n71	Ant.A & Ant.(A+B)	0.169	0.431	N/A	0.393	1.596
	NR Band n12	Ant.A & Ant.(A+B)	0.149	0.474	N/A	0.545	1.382
	NR Band n26	Ant.A & Ant.(A+B)	0.172	0.540	N/A	0.672	1.838
	NR Band n5	Ant.A & Ant.(A+B)	N/A	N/A	N/A	N/A	N/A
	NR Band n7	Ant.B	0.084	0.704	N/A	**1.073**	2.823
	NR Band n66	Ant.B	0.100	0.641	N/A	0.569	1.958
	NR Band n25	Ant.B	0.090	0.607	N/A	0.571	1.952
	NR Band n2	Ant.B	N/A	N/A	N/A	N/A	N/A
	NR Band n30	Ant.B	0.041	0.552	N/A	0.756	2.985
	NR Band n7	Ant.F	0.639	0.288	N/A	0.517	2.265
	NR Band n66	Ant.F	1.081	0.799	N/A	0.685	2.178
	NR Band n25	Ant.F	0.807	0.696	N/A	0.669	2.179
	NR Band n2	Ant.F	N/A	N/A	N/A	N/A	N/A
	NR Band n30	Ant.F	0.530	0.726	N/A	0.637	2.729
	NR Band n38	Ant.F	N/A	N/A	N/A	N/A	N/A
	NR Band n48-SRS0	Ant.F	0.846	0.458	N/A	0.536	2.032
	NR Band n48-SRS1	Ant.D	0.000	0.236	N/A	0.272	0.321
	NR Band n48-SRS2	Ant.G	0.312	0.195	N/A	0.319	0.993
	NR Band n48-SRS3	Ant.A	0.001	0.137	N/A	0.121	0.476
	NR Band n41-SRS0	Ant.B	0.038	0.295	N/A	0.398	1.547
	NR Band n41-SRS1	Ant.F	0.344	0.359	N/A	0.557	2.187
	NR Band n41-SRS2	Ant.C	0.014	0.019	N/A	0.016	0.125
	NR Band n41-SRS3	Ant.H	0.026	0.025	N/A	0.035	0.193
	NR Band n41(NSA)-SRS0	Ant.F	0.445	0.316	N/A	0.628	2.304
	NR Band n41(NSA)-SRS1	Ant.B	0.004	0.395	N/A	0.635	1.808
	NR Band n41(NSA)-SRS2	Ant.H	0.026	0.025	N/A	0.035	0.193
	NR Band n41(NSA)-SRS3	Ant.C	0.014	0.019	N/A	0.016	0.125
	NR Band n77-SRS0	Ant.F	0.934	0.525	N/A	0.385	2.465
	NR Band n77-SRS1	Ant.D	0.000	0.243	N/A	0.463	0.944
	NR Band n77-SRS2	Ant.G	0.255	0.149	N/A	0.267	0.824
	NR Band n77-SRS3	Ant.A	0.000	0.165	N/A	0.180	0.592
DTS	2.4GHz WLAN		**0.787**	**0.496**	N/A	**0.611**	**1.557**
UNII	5GHz WLAN		**0.395**	**0.978**	**1.605**	**1.034**	**1.728**
DSS	Bluetooth		**0.161**	**0.115**	N/A	**0.146**	**0.651**
DXX	NFC		N/A	N/A	**0.014**	N/A	**0.014**

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, ANSI C63.26-2015 the following FCC Published RF exposure KDB procedures:

- 248227 D01 802.11 Wi-Fi SAR v02r02
- 447498 D04 Interim General RF Exposure Guidance v01
- 648474 D04 Handset SAR v01r03
- 690783 D01 SAR Listings on Grants 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
- 941225 D07 UMPC Mini Tablet v01r02
- 971168 D01 Power Meas License Digital System v03r01

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

- TCB workshop October, 2014; RF Exposure Procedures Update (Overlapping LTE Bands)
- TCB workshop October, 2014; RF Exposure Procedures Update (Other LTE Considerations)
- TCB workshop October, 2016; RF Exposure Procedures (DUT Holder Perturbations)
- TCB workshop May, 2017; RF Exposure Procedures (LTE Test Conditions)
- 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 Update)
- TCB workshop April, 2019; RF Exposure Procedures (Tissue Simulating Liquids (TSL))
- TCB workshop October, 2020; 5G RFX Policies (Intra-band and Inter-band NSA-EN-DC evaluation)
- TCB workshop April, 2022; RF Exposure Procedures (5G NR FR1 Measurement)
- TCB workshop October, 2022; RF Exposure Policies & Procedures (SAR test frequencies in multi-rule)

3. Facilities and Accreditation

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

Suwon	
SAR 1 Room	SAR 6 Room
SAR 2 Room	SAR 7 Room
SAR 3 Room	SAR 8 Room
SAR 4 Room	SAR 9 Room
SAR 5 Room	

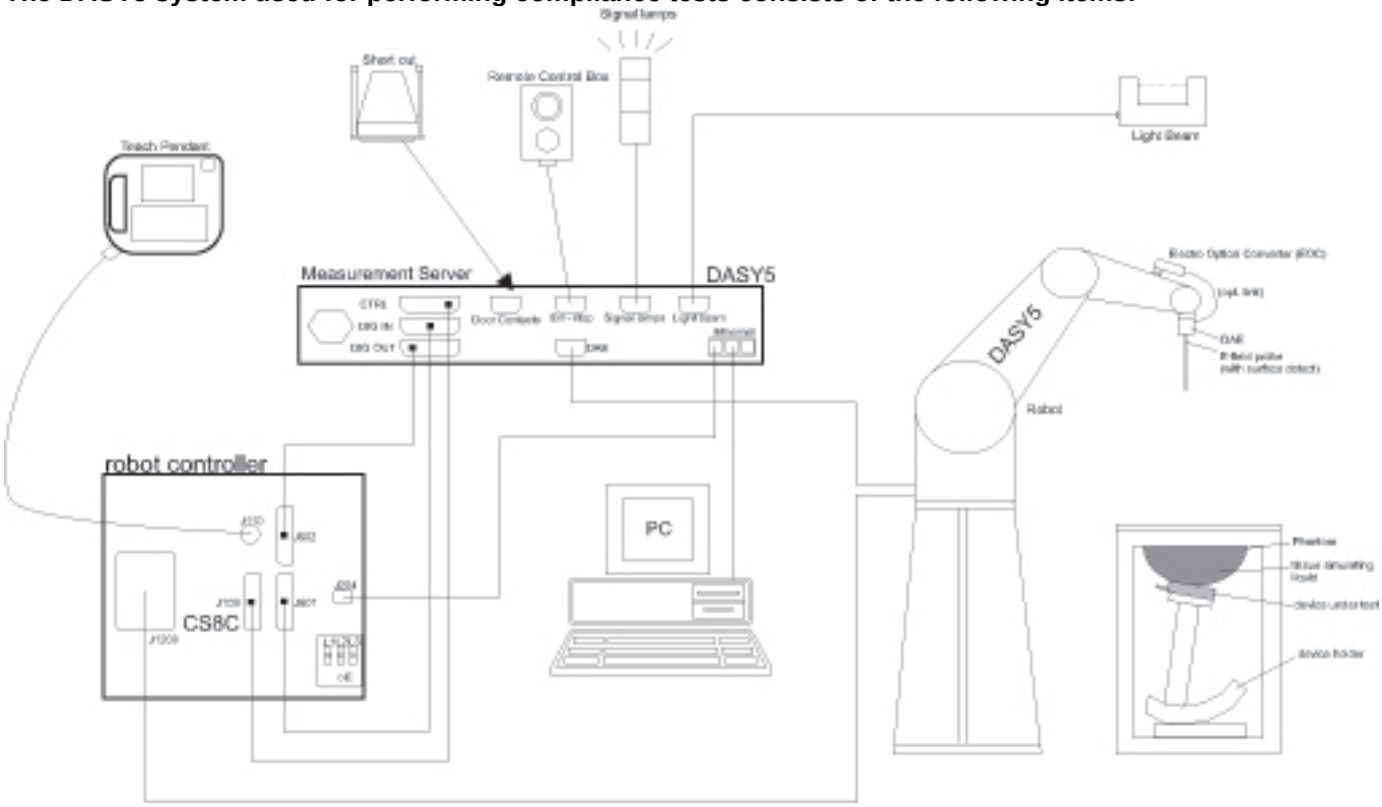
UL Korea, Ltd. is accredited by IAS, Laboratory Code TL-637.
The full scope of accreditation can be viewed at;

https://www.iasonline.org/wp-content/uploads/2017/05/TL-637-cert-New.pdf.

4. SAR Measurement System & Test Equipment

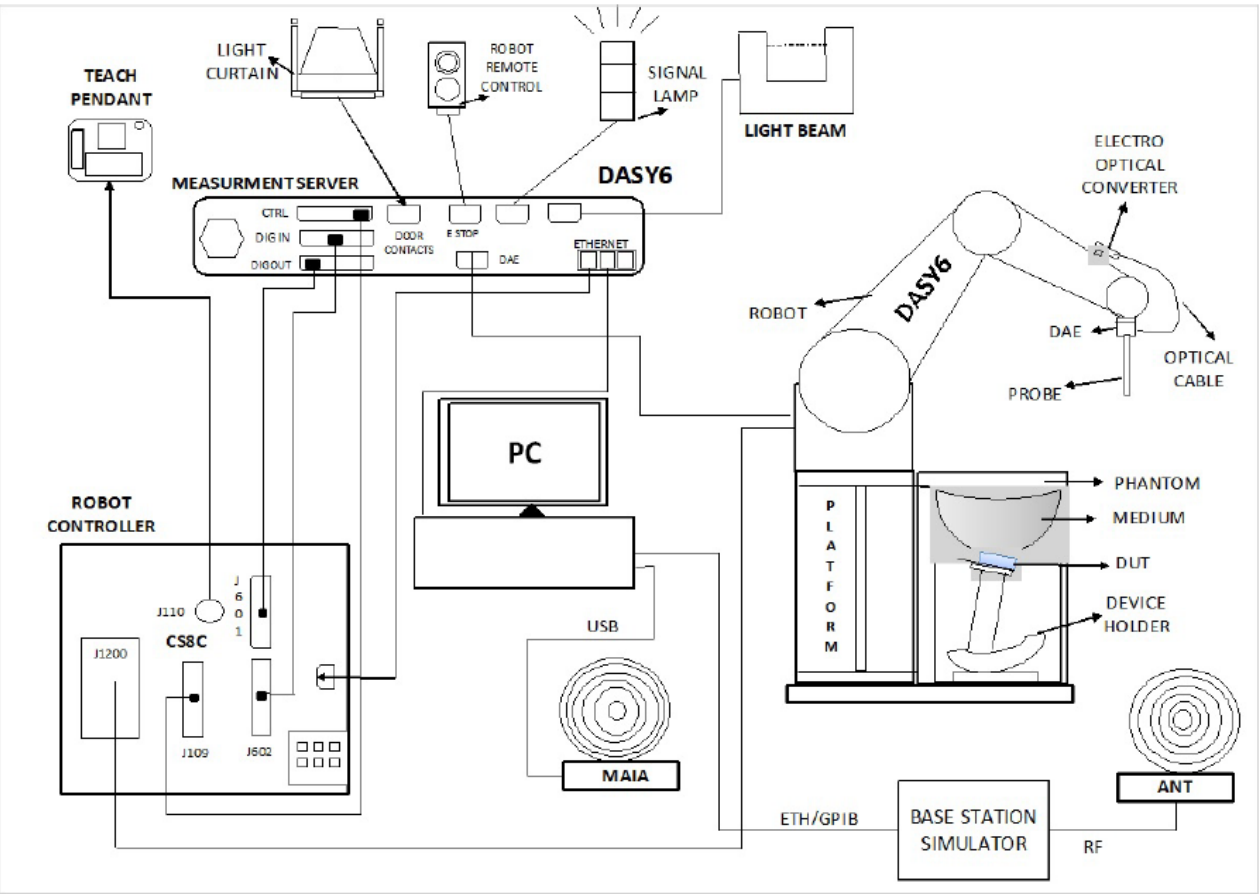
4.1. SAR Measurement System

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



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

The DASY6 & 8 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 Win10 and the DASY6 or 8 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

4.2. SAR Scan Procedures

Step 1: Power Reference Measurement

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

Step 2: Area Scan

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

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

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

Step 3: Zoom Scan

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

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

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

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

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

Step 4: Power drift measurement

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

4.3. Test Equipment

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

Dielectric Property Measurements

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Network Analyzer	Agilent	E5071C	MY46522054	8-5-2023
Network Analyzer	ROHDE & SCHWARZ	ZNB 20	102256	8-5-2023
Dielectric Assessment Kit	SPEAG	DAK-12	1158	11-17-2023
Dielectric Assessment Kit	SPEAG	DAK-3.5	1196	7-25-2023
Shorting block	SPEAG	DAK-3.5 Short	SM DAK 200 BA	N/A
Shorting block	SPEAG	DAK-12 Short	SM DAK 220 AD	N/A
Thermometer	LKM	DTM3000	3851	8-3-2023
Thermometer	LKM	DTM3000	3862	8-3-2023

System Check

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
MXG Analog Signal Generator	Aglient	N5181A	MY50145882	8-4-2023
MXG Analog Signal Generator	Keysight	N5181B	MY59100587	8-4-2023
MXG Analog Signal Generator	Keysight	N5173B	MY59101083	8-4-2023
Power Sensor	KEYSIGHT	U2000A	MY60180020	8-3-2023
Power Sensor	KEYSIGHT	U2000A	MY60490008	8-3-2023
Power Sensor	KEYSIGHT	U2000A	MY60160004	8-3-2023
Power Sensor	KEYSIGHT	U2000A	MY61010010	8-3-2023
Power Amplifier	EXODUS	AMP2027	1410025-AMP2027-10003	11-2-2023
Power Amplifier	MINI-CIRCUITS	TVA-R5-13A+	2111006	1-6-2024
Power Amplifier	EXODUS	AMP2027ADB	10002	1-6-2024
Directional Coupler	Aglient	772D	MY52180193	8-3-2023
Directional Coupler	H.P	778D	16133	8-3-2023
Directional Coupler	NARDA	4216-10	02835	8-3-2023
Directional Coupler	MINI-CIRCUITS	ZMDC-30-1+	SF569102123	8-3-2023
Low Pass Filter	FILTRON	L140012FL	1410003S	8-3-2023
Low Pass Filter	MICROLAB	LA-60N	3942	8-3-2023
Low Pass Filter	MINI-CIRCUITS	VLF-6000+	S0142	8-2-2023
Low Pass Filter	MINI-CIRCUITS	VLF-3000+	S0143	8-2-2023
Low Pass Filter	MINI-CIRCUITS	NLP-1200	VUU19301915	1-5-2024
Attenuator	KEYSIGHT	8491B/003	MY39272276	8-3-2023
Attenuator	KEYSIGHT	8491B/010	MY39271981	8-3-2023
Attenuator	KEYSIGHT	8491B/010	MY39272011	8-2-2023
Attenuator	KEYSIGHT	8491B/020	MY39272301	8-3-2023
Attenuator	KEYSIGHT	8491B/020	MY39272302	8-2-2023
Attenuator	KEYSIGHT	8491B/003	MY39272275	8-2-2023
E-Field Probe	SPEAG	EX3DV4	7313	3-24-2024
E-Field Probe	SPEAG	EX3DV4	7314	5-31-2023
E-Field Probe	SPEAG	EX3DV4	7330	1-24-2024
E-Field Probe	SPEAG	EX3DV4	7376	7-27-2023
E-Field Probe	SPEAG	EX3DV4	7545	8-19-2023
E-Field Probe	SPEAG	EX3DV4	7645	11-15-2023
E-Field Probe	SPEAG	EX3DV4	7651	5-30-2023
E-Field Probe	SPEAG	EX3DV4	7646	3-23-2024
E-Field Probe	SPEAG	EX3DV4	3871	9-26-2023
E-Field Probe	SPEAG	EX3DV4	7652	4-24-2024
Data Acquisition Electronics	SPEAG	DAE4	1447	3-22-2024
Data Acquisition Electronics	SPEAG	DAE4	1468	8-18-2023
Data Acquisition Electronics	SPEAG	DAE4	1494	7-18-2023
Data Acquisition Electronics	SPEAG	DAE4	1591	3-22-2024
Data Acquisition Electronics	SPEAG	DAE4	1670	6-7-2023
Data Acquisition Electronics	SPEAG	DAE4	1671	5-31-2023
Data Acquisition Electronics	SPEAG	DAE4	1667	4-27-2023
Data Acquisition Electronics	SPEAG	DAE4	1667	4-24-2024
Data Acquisition Electronics	SPEAG	DAE4	1343	8-18-2023
Data Acquisition Electronics	SPEAG	DAE4	912	11-16-2023
Data Acquisition Electronics	SPEAG	DAE3	479	10-6-2023
Data Acquisition Electronics	SPEAG	DAE4	1668	4-26-2024

Note(s):

1. All equipments were used until Cal.Due data.

Test Equipment (Continued)

System Validation Dipole	SPEAG	D750V3	1122	2-24-2024
System Validation Dipole	SPEAG	D835V2	4d174	9-21-2023
System Validation Dipole	SPEAG	D1750V2	1125	11-30-2023
System Validation Dipole	SPEAG	D1900V2	5d190	11-16-2023
System Validation Dipole	SPEAG	D5GHzV2	1184	11-23-2023
System Validation Dipole	SPEAG	D1900V2	5d199	3-25-2024
System Validation Dipole	SPEAG	D2450V2	960	3-24-2024
System Validation Dipole	SPEAG	D2600V2	1097	9-29-2023
System Validation Dipole	SPEAG	D5GHzV2	1209	2-28-2024
System Validation Dipole	SPEAG	D2300V2	1090	11-15-2023
System Validation Dipole	SPEAG	D3700V2	1036	5-21-2023
System Validation Dipole	SPEAG	D3500V2	1075	6-21-2023
System Validation Dipole	SPEAG	D750V3	1205	4-27-2023
System Validation Dipole	SPEAG	D1750V2	1180	9-21-2023
System Validation Dipole	SPEAG	D2300V2	1115	4-23-2023
System Validation Dipole	SPEAG	D2600V2	1178	4-23-2023
System Validation Dipole	SPEAG	D3900V2	1043	2-23-2024
System Validation Dipole	SPEAG	D2450V2	939	7-21-2023
System Validation Dipole	SPEAG	CLA -13	1015	8-23-2023
Thermometer	Lutron	MHB-382SD	AH.50215	1-9-2024
Thermometer	Lutron	MHB-382SD	AH.50213	1-11-2024
Thermometer	Lutron	MHB-382SD	AH.91463	1-11-2024
Thermometer	Lutron	MHB-382SD	AJ.45903	1-9-2024
Thermometer	Lutron	MHB-382SD	AJ.42446	8-9-2023
Thermometer	Lutron	MHB-382SD	AK.12102	8-9-2023
Thermometer	Lutron	MHB-382SD	AK.12103	8-9-2023
Thermometer	Lutron	MHB-382SD	AK.12121	8-9-2023
Thermometer	Lutron	MHB-382SD	AK.12123	1-9-2024
Thermometer	Lutron	MHB-382SD	AK.18789	8-9-2023

Others

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Base Station Simulator	R & S	CMW500	150313	8-2-2023
Base Station Simulator	R & S	CMW500	150314	8-2-2023
Base Station Simulator	R & S	CMW500	162790	8-2-2023
Base Station Simulator	R & S	CMW500	169803	1-5-2024
Base Station Simulator	R & S	CMW500	169801	1-5-2024
Base Station Simulator	R & S	CMW500	169799	8-2-2023
Base Station Simulator	R & S	CMW500	169800	8-2-2023
Base Station Simulator	R & S	CMW500	169798	8-2-2023
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY57510596	8-5-2023
UXM 5G Wireless Test Platform	KEYSIGHT	E751B	MY59150850	1-9-2024
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY58120110	1-10-2024
Radio Communication Test Station	Anritsu	MT8000A	6272466165	9-8-2023
Radio Communication Analyzer	Anritsu	MT8821C	6161094351	11-29-2023

Note(s):

1. For System Validation Dipole, Calibration interval applied every 2 years according to referencing KDB 865664 guidance.
2. Refer to Appendix F that mentioned about justification for Extended SAR Dipole Calibrations. (for blue box items)
3. All equipments were used until Cal.Due data.

5. Measurement Uncertainty

Measurement Uncertainty of 100MHz to 6GHz

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.

Measurement Uncertainty of 9MHz to 19MHz

Measurement uncertainty for 9 MHz to 19 MHz

(According to IEEE 62209-1528)

a	b	c		d	e	f	g	h =	l =	k
					f(d,k)			*c×f/e*	*c×g/e*	
Uncertainty component	Reference	Tol. 1 g (±%)	Tol. 10 g (±%)	Prob. Dist.	Div.	*ci* (1 g)	*ci* (10 g)	1 g *ui* (± %)	10 g *ui* (± %)	vi
Measurement System Errors										
Probe Calibration	8.4.1.1	13.3		Normal	2	1	1	6.7	6.7	∞
Probe Calibration Drift	8.4.1.2	1.7		Rectangular	1.732	1	1	1.0	1.0	∞
Probe Linearity	8.4.1.3	4.7		Rectangular	1.732	1	1	2.7	2.7	∞
Broadband Signal	8.4.1.4	0.8		Rectangular	1.732	1	1	0.5	0.5	∞
Probe Isotropy	8.4.1.5	7.6		Rectangular	1.732	1	1	4.4	4.4	∞
Data Acquisition	8.4.1.6	0.3		Normal	1	1	1	0.3	0.3	∞
RF Ambient	8.4.1.7	1.8		Normal	1	1	1	1.8	1.8	∞
Probe Positioning	8.4.1.8	0.006		Normal	1	0.14	0.14	0.10	0.10	∞
Data Processing	8.4.1.9	1.2		Normal	1	1	1	1.2	1.2	∞
Phantom and Device Errors										
Conductivity (meas.)DAK	8.4.2.1	2.5		Normal	1	0.78	0.71	2.0	1.8	∞
Conductivity (temp.)BB	8.4.2.2	5.4		Rectangular	1.732	0.78	0.71	2.4	2.2	∞
Phantom Permittivity	8.4.2.3	14.0		Rectangular	1.732	0	0	0.0	0.0	∞
Distance DUT -TSL	8.4.2.4	2.0		Normal	1	2	2	4.0	4.0	∞
Device Positioning	8.4.2.5	0.5	0.6	Normal	1	1	1	0.5	0.6	40
Device Holder	8.4.2.6	3.6		Normal	1	1	1	3.6	3.6	∞
DUT Modulation	8.4.2.7	2.4		Rectangular	1.732	1	1	1.4	1.4	∞
Time-average SAR	8.4.2.8	1.7		Rectangular	1.732	1	1	1.0	1.0	∞
DUT drift	8.4.2.9	5.0		Normal	1	1	1	5.0	5.0	∞
Correction to the SAR results										
Deviation to Target	8.4.3.1	1.9		Normal	1	1	0.84	1.9	1.6	∞
Combined Standard Uncertainty Uc(y) =				RSS				12.13	12.02	
Expanded Uncertainty U, Coverage Factor = 2, > 95 % Confidence =								**24.26**	**24.05**	

5.1. DECISION RULE

Decision rule for statement(s) of conformity is based on Procedure 2, Clause 4.4.3 in IEC Guide 115:2021.

6. Device Under Test (DUT) Information

6.1. DUT Description

Device Dimension	Refer to Appendix A.
Back Cover	☒ The Back Cover is not removable.
Battery Options	☒ The rechargeable battery is not user accessible
Wireless Router (Hotspot)	Wi-Fi Hotspot mode permits the device to share its cellular data connection with other Wi-Fi-enabled devices. ☒ Mobile Hotspot (Wi-Fi 2.4 GHz) ☒ Mobile Hotspot (Wi-Fi 5.8 GHz)
Wi-Fi Direct	Wi-Fi Direct enabled devices transfer data directly between each other ☒ Wi-Fi Direct (Wi-Fi 2.4 GHz) ☒ Wi-Fi Direct (Wi-Fi 5.2 GHz_UNII-1, Wi-Fi 5.8 GHz_UNII-3)

Test Sample Information

No.	S/N	Notes	No.	S/N	Notes
1	R3CW20L0JZE	Main Conducted	15	R3CW20P0B0V	SAR
2	R3CW20NZ94N	Main Conducted	16	R3CW20P081Y	SAR
3	R3CW20L0JSJ	Main Conducted	17	R3CW20P0B5B	SAR
4	R3CW20NZT2K	Main Conducted	18	R3CW20P0AJZ	SAR
5	R3CW20NZSWB	Main Conducted	19	R3CW20P0AKM	SAR
6	R3CW20NZ49K	Main Conducted	20	R3CW30K68EB	SAR
7	R3CW20NZ4EA	Main Conducted	21	R3CW30K67SA	SAR
8	R3CW20P0LEH	Main Conducted	22	R3CW20P0CXL	SAR
9	R3CW20L0CWT	Main Conducted	23	R3CW20P0LZB	SAR
10	6c4c5d98ba4c7eee	WLAN/BT Conducted	24	R3CW30K6NSR	SAR
11	723c6c5d0f4d7ece	WLAN/BT Conducted	25	R3CW30K6NBX	SAR
12	R3CW20P0B1E	SAR	26	R3CW30K6NWN	SAR
13	72a8675c624dnece	SAR	27	R3CW20P0NZA	SAR
14	R3CW20P0NSN	SAR			

6.2. Wireless Technologies

Wireless technologies	Frequency bands	Operating mode		Duty Cycle used for SAR testing
GSM	850 1900	Voice (GMSK) GPRS (GMSK) EGPRS (8PSK)	GPRS Multi-Slot Class: ☐ Class 8 - 1 Up, 4 Down ☐ Class 10 - 2 Up, 4 Down ☐ Class 12 - 4 Up, 4 Down ☒ Class 33 - 4 Up, 5 Down	GSM Voice: 12.5% (E)GPRS: 1 Slot: 12.5% 2 Slots: 25% 3 Slots: 37.5% 4 Slots: 50%
	Does this device support DTM (Dual Transfer Mode)? ☐ Yes ☒ No			
W-CDMA (UMTS)	Band II Band IV Band V	UMTS Rel. 99 (Voice & Data) HSDPA (Category 24) HSUPA (Category 6) DC-HSDPA (Category 24) HSPA+ (DL only)		100%
LTE	FDD Band 71 / Band 12 FDD Band 13 / Band 14 FDD Band 26 / Band 5 FDD Band 66 / Band 4 FDD Band 25 / Band 2 FDD Band 30 / Band 7 TDD Band 38 / Band 48 TDD Band 41-PC3&PC2 **UL CA intraband-contiguous (2CC)** 5B / 41C / 48C / 66B / 66C	QPSK 16QAM 64QAM 256QAM Rel. 16 Carrier Aggregation (2 Uplink and 6 Downlinks)		100% (FDD) 63.3% (TDD) Power Class 3 43.3% (TDD) Power Class 2
	Does this device support SV-LTE (1xRTT-LTE)? ☐ Yes ☒ No			
NR (Sub6)	FDD Band n71 / Band n12 FDD Band n26 / Band n5 FDD Band n7 / Band n66 FDD Band n25 / Band n2 FDD Band n30 TDD Band n38 / Band 48 TDD Band n41-PC3&PC2 TDD Band n77-PC3&PC2	DFT-s-ODFM: ■ π/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-ODFM: ■QPSK, 16QAM, 64QAM, 256QAM		100%
Wi-Fi	2.4 GHz	802.11b / 802.11g / 802.11n (HT20) 802.11ac (VHT20) / 802.11ax (HE20)		98.8% (802.11b-SISO) 98.9% (802.11b-MIMO)
	5 GHz	802.11a / 802.11n (HT20) & (HT40) 802.11ac (VHT20) & (VHT40) & (VHT80) & (VHT160) 802.11ax (HE20) & (HE40) & (HE80) & (HE160)		97.2% (802.11ac (VHT80-MIMO)
	6 GHz	802.11a 802.11ax (HE20) & (HE40) & (HE80) & (HE160)		99.7% (802.11ax (HE160-MIMO)
	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	Version 5.3 LE		84.3% (LE-1M)
NFC	13.56 MHz	Type A/B/F		100%
UWB	6489.6 – 7987.2 MHz	Signal Configurations(0/1/3), PRF modes(BPRF/HPRF)		100%

Notes:

1. Wi-Fi & Bluetooth were tested SAR using highest duty cycle. Measured duty cycle plots are in Section.9.
2. This device supports Power Class 2(HPUE) and Power Class 3 for LTE Band 41, NR Band n41 and NR Band n77.
3. This device supports UL CA inter/intra band in LTE Band. Detail of configuration refer to appendix.G.
4. NR TDD Band n41 & n48 & n77 has support SRS(0,1,2,3) modes.
5. 6GHz RF Exposure report has test results of WiFi 6GHz and UWB.

6.3. Time-Averaging feature

The equipment under test (EUT) contains the Qualcomm modems supporting 2G/3G/4G/5G technologies and WLAN/BT technologies. these modems are enabled with Qualcomm Smart Transmit feature to control and manage transmitting power in real time and to ensure at all times the time-averaged RF exposure is in compliance with the FCC requirement. Refer to Compliance Summary document for detailed description of Qualcomm Smart Transmit feature.

The Smart Transmit algorithm maintains the time-averaged transmit power, in turn, time-averaged RF exposure of *SAR_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/WLAN/BT technology bands, and DSI = minimum of " P_{Limit} EFS" and "Maximum tune up output power P_{max}" + 1 dB device uncertainty. SAR values in this report were scaled to this maximum time-averaged output power to determine compliance per KDB 447498 D04.

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

WLAN/BT SAR Characterizations

Exposure condition			Folder Open UMPC Body 1-g	Folder Open UMPC Extremity 10-g	Folder Closed Body-worn & Hotspot	Folder Closed Product Specific 10-g	Folder Open Head	Folder Closed Head	Pmax (Maximum tune-up Power) (dBm)
Spatial-average			1g	10g	1g	10g	1g	1g	
Test distance (mm)			10	0	10	0	0	0	
Configuration			Folder Open	Folder Open	Folder Closed	Folder Closed	Folder Open	Folder Closed	
DSI:			0		1		2	3	
RF Air Interface	Antenna	Antenna Group	Plimit corresponding to 1.0 W/kg (SAR_design_target) (1g) / 2.5 W/kg (SAR_design_target) (10g)						
DTS SISO Ant.2	G	AG1	21.11		22.93		17.00	17.00	18.00
DTS MIMO	H+G	AG1	21.19		22.10		17.00	17.00	18.00
UNII-2A MIMO	H+J	AG1	16.00		16.00		24.93	24.93	17.00
UNII-2C MIMO	H+J	AG1	16.00		16.00		22.16	22.16	17.00
UNII-3 MIMO	H+J	AG1	16.00		16.00		22.86	22.86	17.00
UNII-4 MIMO	H+J	AG1	16.00		16.00		23.53	23.53	17.00
WIFI 6e	H+J	AG1	22.49		15.76		24.49	24.49	9.00
Bluetooth Ant.1	H	AG1	25.46		29.18		28.17	28.17	17.00
Bluetooth Ant.2	G	AG1	21.98		25.54		24.05	24.05	15.00

Notes:

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 LTE TDD modulation schemes.
2. Maximum tune up output power P_{max} is used to configure EUT during RF tune up procedures. The maximum allowed output power is equal to maximum tune up output power + 1dB device design uncertainty.
3. 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.
4. If P_{Limit} is higher than P_{max} for some modes / bands, The modes/bands will operate at a power level up to P_{max}.

WWAN(2G/3G/4G/5G) SAR Characterizations

Exposure condition			Folder Open UMPC Body 1-g	Folder Open UMPC Extremity 10-g	Folder Closed Body-worn & Hotspot	Folder Closed Product Specific 10-g	Folder Open Head	Folder Closed Head	Pmax (Maximum tune-up Power) (dBm)
Spatial-average			1g	10g	1g	10g	1g	1g	
Test distance (mm)			10	0	10	0	0	0	
Configuration			Folder Open	Folder Open	Folder Closed	Folder Closed	Folder Open	Folder Closed	
DSI:			0		1		2	3	
RF Air Interface	Antenna	Antenna Group	P_{limit} corresponding to 1.0 W/kg (SAR_design_target) (1g) / 2.5 W/kg (SAR_design_target) (10g)						
GSM 850	A, A+B	AG0	28.37		31.40		33.72	33.72	25.48
GSM 1900	B	AG0	18.49		18.49		34.95	34.95	22.24
WCDMA 2	B	AG0	19.00		19.00		33.98	33.98	23.80
WCDMA 4	B	AG0	19.00		19.00		34.01	34.01	23.80
WCDMA 5	A, A+B	AG0	25.84		28.28		32.87	32.87	24.50
LTE B7	B	AG0	17.00		17.00		35.01	35.01	24.00
LTE B12	A, A+B	AG0	27.11		28.83		32.29	32.29	24.50
LTE B13	A, A+B	AG0	26.35		27.87		31.43	31.43	24.50
LTE B14	A, A+B	AG0	26.11		27.89		31.55	31.55	24.50
LTE B25(2)	B	AG0	19.00		19.00		33.49	33.49	24.00
LTE B26(5)	A, A+B	AG0	26.63		28.59		30.95	30.95	24.50
LTE B30	B	AG0	17.50		17.50		37.24	37.24	23.00
LTE B41 pc3 (38)	B	AG0	17.00		17.00		38.74	38.74	22.00
LTE B41 pc2	B	AG0	17.00		17.00		51.41	51.41	21.90
LTE B48	F	AG0	18.00		18.00		24.09	24.09	21.00
LTE B66(4)	B	AG0	19.00		19.00		34.31	34.31	24.00
LTE B71	A, A+B	AG0	27.49		29.08		32.97	32.97	24.50
NR Bn7	B	AG0	18.00		18.00		34.76	34.76	23.00
NR Bn12	A, A+B	AG0	28.08		28.75		33.78	33.78	24.50
NR Bn25(2)	B	AG0	19.00		19.00		34.94	34.94	23.50
NR Bn26(5)	A, A+B	AG0	26.84		28.18		33.16	33.16	24.50
NR Bn30	B	AG0	17.50		17.50		37.35	37.35	22.50
NR Bn66	B	AG0	19.00		19.00		34.43	34.43	23.50
NR Bn71	A, A+B	AG0	27.45		29.16		33.22	33.22	24.50
LTE B7 Upper	F	AG1	19.00		19.00		18.00	23.00	24.00
LTE B25(2) Upper	F	AG1	20.00		20.00		22.50	22.50	24.00
LTE B30 Upper	F	AG1	20.50		20.50		26.42	26.42	23.00
LTE B66(4) Upper	F	AG1	20.00		20.00		22.50	22.50	24.00
LTE B41 Upper pc3	F	AG1	19.00		19.00		25.85	25.85	22.00
LTE B41 Upper pc2	F	AG1	19.00		19.00		25.59	25.59	21.90
NR Bn7 Upper	F	AG1	19.00		19.00		18.00	25.95	23.00
NR Bn25(2) Upper	F	AG1	20.00		20.00		22.50	22.50	23.00
NR Bn30 Upper	F	AG1	20.50		20.50		25.22	25.22	22.50
NR Bn66 Upper	F	AG1	20.00		20.00		22.50	22.50	23.00
NR Bn38	F	AG1	19.00		19.00		20.00	20.00	24.00
NR Bn41 pc2 (SA) - SRS0 -	B	AG0	17.00		17.00		20.00	20.00	25.00
NR Bn41 pc3 (SA) - SRS0 -	B	AG0	17.00		17.00		20.00	20.00	24.00
NR Bn41 pc2/3 (SA) - SRS1 -	F	AG1	19.00		19.00		20.00	20.00	22.00
NR Bn41 pc2/3 (SA) - SRS2 -	C	AG0	12.00		12.00		12.00	12.00	21.50
NR Bn41 pc2/3 (NSA) - SRS2 -	H	AG1	12.00		12.00		12.00	12.00	18.00
NR Bn41 pc2/3 (SA) - SRS3 -	H	AG1	12.00		12.00		12.00	12.00	16.00
NR Bn41 pc2/3 (NSA) - SRS3 -	C	AG0	12.00		12.00		12.00	12.00	19.00
NR Bn41 pc2/3 (NSA) - SRS0 -	F	AG1	19.00		19.00		20.00	20.00	24.00
NR Bn41 pc2/3 (NSA) - SRS1 -	B	AG0	17.00		17.00		20.00	20.00	22.00
NR Bn48 - SRS0 -	F	AG1	18.00		18.00		19.00	19.00	23.00
NR Bn48 - SRS1 -	D	AG0	15.00		15.00		15.00	15.00	19.00
NR Bn48 - SRS2 -	G	AG1	15.00		15.00		15.00	15.00	23.00
NR Bn48 - SRS3 -	A	AG0	15.00		15.00		15.00	15.00	20.00
NR Bn77 pc2 - SRS0 -	F	AG1	17.50		17.50		17.00	18.00	26.00
NR Bn77 pc3 - SRS0 -	F	AG1	17.50		17.50		17.00	18.00	23.00
NR Bn77 pc2/3 - SRS1 -	D	AG0	15.00		15.00		15.00	15.00	17.00
NR Bn77 pc2/3 - SRS2 -	G	AG1	15.00		15.00		15.00	15.00	22.00
NR Bn77 pc2/3 - SRS3 -	A	AG0	15.00		15.00		15.00	15.00	17.00

Notes:

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 LTE TDD modulation schemes.
2. Maximum tune up output power P_{max} is used to configure EUT during RF tune up procedures. The maximum allowed output power is equal to maximum tune up output power + 1dB device design uncertainty.
3. 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.
4. If P_{Limit} is higher than P_{max} for some modes / bands, The modes/bands will operate at a power level up to P_{max}.

6.4. Maximum Allowed Output power

Maximum allowed output power means that Pmax or PLimit + 1dB device uncertainty for each DSI.

GSM Bands

RF Air interface	Antenna	Mode	Time Slots	Maximum allowed output power (dBm)									
				Pmax		Plimit							
						DSI = 0 (Folder Opened - Body)		DSI = 1 (Folder Closed - Body)		DSI = 2 (Folder Opened - Head)		DSI = 3 (Folder Closed - Head)	
				Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GSM850	Ant.A & Ant.A+B	Voice	1	33.00	23.97	33.00	23.97	33.00	23.97	33.00	23.97	33.00	23.97
		GPRS	1	33.00	23.97	33.00	23.97	33.00	23.97	33.00	23.97	33.00	23.97
		GPRS	2	32.50	26.48	32.50	26.48	32.50	26.48	32.50	26.48	32.50	26.48
		GPRS	3	30.50	26.24	30.50	26.24	30.50	26.24	30.50	26.24	30.50	26.24
		GPRS	4	28.50	25.49	28.50	25.49	28.50	25.49	28.50	25.49	28.50	25.49
		EGPRS	1	28.00	18.97	28.00	18.97	28.00	18.97	28.00	18.97	28.00	18.97
		EGPRS	2	26.00	19.98	26.00	19.98	26.00	19.98	26.00	19.98	26.00	19.98
		EGPRS	3	24.00	19.74	24.00	19.74	24.00	19.74	24.00	19.74	24.00	19.74
		EGPRS	4	23.00	19.99	23.00	19.99	23.00	19.99	23.00	19.99	23.00	19.99
GSM1900	Ant.B	Voice	1	30.50	21.47	28.50	19.47	28.50	19.47	30.50	21.47	30.50	21.47
		GPRS	1	30.50	21.47	28.50	19.47	28.50	19.47	30.50	21.47	30.50	21.47
		GPRS	2	29.00	22.98	25.50	19.48	25.50	19.48	29.00	22.98	29.00	22.98
		GPRS	3	27.50	23.24	23.70	19.44	23.70	19.44	27.50	23.24	27.50	23.24
		GPRS	4	25.50	22.49	22.50	19.49	22.50	19.49	25.50	22.49	25.50	22.49
		EGPRS	1	27.00	17.97	27.00	17.97	27.00	17.97	27.00	17.97	27.00	17.97
		EGPRS	2	25.00	18.98	25.00	18.98	25.00	18.98	25.00	18.98	25.00	18.98
		EGPRS	3	23.00	18.74	23.00	18.74	23.00	18.74	23.00	18.74	23.00	18.74
		EGPRS	4	22.00	18.99	22.00	18.99	22.00	18.99	22.00	18.99	22.00	18.99

WCDMA Bands

RF Air interface	Antenna	Mode	Maximum allowed output power (dBm)				
			Pmax	Plimit			
				DSI = 0 (Folder Opened - Body)	DSI = 1 (Folder Closed - Body)	DSI = 2 (Folder Opened - Head)	DSI = 3 (Folder Closed - Head)
W-CDMA Band II	Ant.B	R99	24.80	20.00	20.00	24.80	24.80
		HSDPA	23.80	19.00	19.00	23.80	23.80
		HSUPA	23.80	19.00	19.00	23.80	23.80
		DC-HSDPA	23.80	19.00	19.00	23.80	23.80
W-CDMA Band IV	Ant.B	R99	24.80	20.00	20.00	24.80	24.80
		HSDPA	23.80	19.00	19.00	23.80	23.80
		HSUPA	23.80	19.00	19.00	23.80	23.80
		DC-HSDPA	23.80	19.00	19.00	23.80	23.80
W-CDMA Band V	Ant.A & Ant.A+B	R99	25.50	25.50	25.50	25.50	25.50
		HSDPA	24.50	24.50	24.50	24.50	24.50
		HSUPA	24.50	24.50	24.50	24.50	24.50
		DC-HSDPA	24.50	24.50	24.50	24.50	24.50

Note(s):

1. Detail of DSI(Device State Index) conditions, please refer to Sec.6.5.
2. Some bands are support to both Ant.A and Ant.A+B configurations in Folder Closed condition using same target power.

Maximum allowed output power means that Pmax or PLimit + 1dB device uncertainty for each DSI.

LTE Bands

RF Air interface	Antenna	Mode	Maximum allowed output power (dBm)				
			Pmax	Plimit			
				DSI = 0 (Folder Opened - Body)	DSI = 1 (Folder Closed - Body)	DSI = 2 (Folder Opened - Head)	DSI = 3 (Folder Closed - Head)
LTE Band 71	Ant.A & Ant.A+B	QPSK	25.50	25.50	25.50	25.50	25.50
LTE Band 12	Ant.A & Ant.A+B	QPSK	25.50	25.50	25.50	25.50	25.50
LTE Band 13	Ant.A & Ant.A+B	QPSK	25.50	25.50	25.50	25.50	25.50
LTE Band 14	Ant.A & Ant.A+B	QPSK	25.50	25.50	25.50	25.50	25.50
LTE Band 26	Ant.A & Ant.A+B	QPSK	25.50	25.50	25.50	25.50	25.50
LTE Band 5	Ant.A & Ant.A+B	QPSK	25.50	25.50	25.50	25.50	25.50
LTE Band 66	Ant.B	QPSK	25.00	20.00	20.00	25.00	25.00
LTE Band 4	Ant.B	QPSK	25.00	20.00	20.00	25.00	25.00
LTE Band 25	Ant.B	QPSK	25.00	20.00	20.00	25.00	25.00
LTE Band 2	Ant.B	QPSK	25.00	20.00	20.00	25.00	25.00
LTE Band 30	Ant.B	QPSK	24.00	18.50	18.50	24.00	24.00
LTE Band 7	Ant.B	QPSK	25.00	18.00	18.00	25.00	25.00
LTE Band 38	Ant.B	QPSK	25.00	20.00	20.00	25.00	25.00
LTE Band 41-PC3	Ant.B	QPSK	25.00	20.00	20.00	25.00	25.00
LTE Band 41-PC2	Ant.B	QPSK	26.50	21.60	21.60	26.50	26.50
LTE Band 48	Ant.F	QPSK	24.00	21.00	21.00	23.00	23.00
LTE Band 66	Ant.F	QPSK	25.00	21.00	21.00	23.50	23.50
LTE Band 4	Ant.F	QPSK	25.00	21.00	21.00	23.50	23.50
LTE Band 25	Ant.F	QPSK	25.00	21.00	21.00	23.50	23.50
LTE Band 2	Ant.F	QPSK	25.00	21.00	21.00	23.50	23.50
LTE Band 30	Ant.F	QPSK	24.00	21.50	21.50	24.00	24.00
LTE Band 7	Ant.F	QPSK	25.00	20.00	20.00	19.00	24.00
LTE Band 41-PC3	Ant.F	QPSK	25.00	22.00	22.00	25.00	25.00
LTE Band 41-PC2	Ant.F	QPSK	26.50	23.60	23.60	26.50	26.50

Note(s):

1. Detail of DSI(Device State Index) conditions, please refer to Sec.6.5.
2. Some bands are support to both Ant.A and Ant.A+B configurations using same target power.

Maximum allowed output power means that Pmax or PLimit + 1dB device uncertainty for each DSI.

NR-Sub6 Bands

RF Air interface	Antenna	Mode	Maximum allowed output power (dBm)				
			Pmax	Plimit			
				DSI = 0 (Folder Opened - Body)	DSI = 1 (Folder Closed - Body)	DSI = 2 (Folder Opened - Head)	DSI = 3 (Folder Closed - Head)
NR Band n71	Ant.A & Ant.A+B	DFT-s-OFDM QPSK	25.50	25.50	25.50	25.50	25.50
NR Band n12	Ant.A & Ant.A+B	DFT-s-OFDM QPSK	25.50	25.50	25.50	25.50	25.50
NR Band n26	Ant.A & Ant.A+B	DFT-s-OFDM QPSK	25.50	25.50	25.50	25.50	25.50
NR Band n5	Ant.A & Ant.A+B	DFT-s-OFDM QPSK	25.50	25.50	25.50	25.50	25.50
NR Band n7	Ant.B	DFT-s-OFDM QPSK	24.00	19.00	19.00	24.00	24.00
NR Band n66	Ant.B	DFT-s-OFDM QPSK	24.50	20.00	20.00	24.50	24.50
NR Band n25	Ant.B	DFT-s-OFDM QPSK	24.50	20.00	20.00	24.50	24.50
NR Band n2	Ant.B	DFT-s-OFDM QPSK	24.50	20.00	20.00	24.50	24.50
NR Band n30	Ant.B	DFT-s-OFDM QPSK	23.50	18.50	18.50	23.50	23.50
NR Band n7	Ant.F	DFT-s-OFDM QPSK	24.00	20.00	20.00	19.00	24.00
NR Band n66	Ant.F	DFT-s-OFDM QPSK	24.00	21.00	21.00	23.50	23.50
NR Band n25	Ant.F	DFT-s-OFDM QPSK	24.00	21.00	21.00	23.50	23.50
NR Band n2	Ant.F	DFT-s-OFDM QPSK	24.00	21.00	21.00	23.50	23.50
NR Band n30	Ant.F	DFT-s-OFDM QPSK	23.50	21.50	21.50	23.50	23.50
NR Band n38	Ant.F	DFT-s-OFDM QPSK	25.00	20.00	20.00	21.00	21.00
NR Band n48 (Voice/Data/SRS0)	Ant.F	DFT-s-OFDM QPSK	24.00	19.00	19.00	20.00	20.00
NR Band n48 (SRS1)	Ant.D	SRS CW	20.00	16.00	16.00	16.00	16.00
NR Band n48 (SRS2)	Ant.G	SRS CW	24.00	16.00	16.00	16.00	16.00
NR Band n48 (SRS3)	Ant.A	SRS CW	21.00	16.00	16.00	16.00	16.00
NR Band n77-PC2 (Voice/Data/SRS0)	Ant.F	DFT-s-OFDM QPSK	27.00	18.50	18.50	18.00	19.00
NR Band n77-PC2 (SRS1)	Ant.D	SRS CW	18.00	16.00	16.00	16.00	16.00
NR Band n77-PC2 (SRS2)	Ant.G	SRS CW	23.00	16.00	16.00	16.00	16.00
NR Band n77-PC2 (SRS3)	Ant.A	SRS CW	18.00	16.00	16.00	16.00	16.00
NR Band n77-PC3 (Voice/Data/SRS0)	Ant.F	DFT-s-OFDM QPSK	24.00	18.50	18.50	18.00	19.00
NR Band n77-PC3 (SRS1)	Ant.D	SRS CW	18.00	16.00	16.00	16.00	16.00
NR Band n77-PC3 (SRS2)	Ant.G	SRS CW	23.00	16.00	16.00	16.00	16.00
NR Band n77-PC3 (SRS3)	Ant.A	SRS CW	18.00	16.00	16.00	16.00	16.00

Note(s):

1. Detail of DSI(Device State Index) conditions, please refer to Sec.6.5.
2. Some bands are support to both Ant.A and Ant.A+B configurations using same target power.

Maximum allowed output power means that Pmax or PLimit + 1dB device uncertainty for each DSI.

NR-Sub6 Bands (Contimued)

RF Air interface	Antenna	Mode	Maximum allowed output power (dBm)				
			Pmax	Plimit			
				DSI = 0 (Folder Opened - Body)	DSI = 1 (Folder Closed - Body)	DSI = 2 (Folder Opened - Head)	DSI = 3 (Folder Closed - Head)
NR Band n41 SA-PC2 (Voice/Data/SRS0)	Ant.B	DFT-s-OFDM QPSK	26.00	18.00	18.00	21.00	21.00
NR Band n41 SA-PC2 (SRS1)	Ant.F	SRS CW	23.00	20.00	20.00	21.00	21.00
NR Band n41 SA-PC2 (SRS2)	Ant.C	SRS CW	22.50	13.00	13.00	13.00	13.00
NR Band n41 SA-PC2 (SRS3)	Ant.H	SRS CW	17.00	13.00	13.00	13.00	13.00
NR Band n41 SA-PC3 (Voice/Data/SRS0)	Ant.B	DFT-s-OFDM QPSK	25.00	18.00	18.00	21.00	21.00
NR Band n41 SA-PC3 (SRS1)	Ant.F	SRS CW	23.00	20.00	20.00	21.00	21.00
NR Band n41 SA-PC3 (SRS2)	Ant.C	SRS CW	22.50	13.00	13.00	13.00	13.00
NR Band n41 SA-PC3 (SRS3)	Ant.H	SRS CW	17.00	13.00	13.00	13.00	13.00
NR Band n41 NSA-PC2 (Voice/Data/SRS0)	Ant.F	DFT-s-OFDM QPSK	25.00	20.00	20.00	21.00	21.00
NR Band n41 NSA-PC2 (SRS1)	Ant.B	SRS CW	23.00	18.00	18.00	21.00	21.00
NR Band n41 NSA-PC2 (SRS3)	Ant.C	SRS CW	20.00	13.00	13.00	13.00	13.00
NR Band n41 NSA-PC2 (SRS2)	Ant.H	SRS CW	19.00	13.00	13.00	13.00	13.00
NR Band n41 NSA-PC3 (Voice/Data/SRS0)	Ant.F	DFT-s-OFDM QPSK	25.00	20.00	20.00	21.00	21.00
NR Band n41 NSA-PC3 (SRS1)	Ant.B	SRS CW	23.00	18.00	18.00	21.00	21.00
NR Band n41 NSA-PC3 (SRS3)	Ant.C	SRS CW	20.00	13.00	13.00	13.00	13.00
NR Band n41 NSA-PC3 (SRS2)	Ant.H	SRS CW	19.00	13.00	13.00	13.00	13.00
NR Band n41 SA-PC2 (Voice/Data/SRS0)	Ant.F	DFT-s-OFDM QPSK	27.00	20.00	20.00	21.00	21.00
NR Band n41 SA-PC2 (SRS1)	Ant.B	SRS CW	23.00	18.00	18.00	21.00	21.00
NR Band n41 SA-PC2 (SRS3)	Ant.C	SRS CW	20.00	13.00	13.00	13.00	13.00
NR Band n41 SA-PC2 (SRS2)	Ant.H	SRS CW	19.00	13.00	13.00	13.00	13.00
NR Band n41 SA-PC3 (Voice/Data/SRS0)	Ant.F	DFT-s-OFDM QPSK	25.00	20.00	20.00	21.00	21.00
NR Band n41 SA-PC3 (SRS1)	Ant.B	SRS CW	23.00	18.00	18.00	21.00	21.00
NR Band n41 SA-PC3 (SRS3)	Ant.C	SRS CW	20.00	13.00	13.00	13.00	13.00
NR Band n41 SA-PC3 (SRS2)	Ant.H	SRS CW	19.00	13.00	13.00	13.00	13.00

NR Band n41 configuration's test case determination of (out power power and SAR measurement)

Band	SRS	Ant	Plimit (dBm)			
			DSI 0	DSI 1	DSI 2	DSI 3
NR Bn41 SA PC2/PC3	0	B	18.0	18.0	21.0	21.0
	1	F	20.0	20.0	21.0	21.0
	2	C	13.0	13.0	13.0	13.0
	3	H	13.0	13.0	13.0	13.0

Band	SRS	Ant	Plimit (dBm)			
			DSI 0	DSI 1	DSI 2	DSI 3
NR Bn41 NSA PC2/PC3	0	F	20.0	20.0	21.0	21.0
	1	B	18.0	18.0	21.0	21.0
	2	H	13.0	13.0	13.0	13.0
	3	C	13.0	13.0	13.0	13.0

Band	SRS	Ant	Plimit (dBm)			
			DSI 0	DSI 1	DSI 2	DSI 3
NR Bn41 SA PC2/PC3	0	F	20.0	20.0	21.0	21.0
	1	B	18.0	18.0	21.0	21.0
	2	H	13.0	13.0	13.0	13.0
	3	C	13.0	13.0	13.0	13.0

Note(s):

1. Detail of DSI(Device State Index) conditions, please refer to Sec.6.5
2. NR Band n41 (including SRS0/1/2/3) applied test case reduction due to same Plimit for PC2&PC3 and SA/NSA. Detail of test results refer to section.10 in report.
3. NR Band n41 NSA (PC2/PC3) and NR Band n41 SAR(PC2/PC3) has same target power of all DSIs and FTM setting also are same. So SAR and Power measurement performed at NR Band n41 NSA (PC2/PC3).

Maximum allowed output power means that Pmax or PLimit + 1dB device uncertainty for each DSI.

WLAN output power (Pmax)

RF Air interface	Band		Maximum allowed output power (dBm) - Pmax											
			802.11 mode											
			2.4GHz SISO (Ant.H & Ant.G) / 5GHz SISO (Ant.H & Ant.J)						2.4GHZ MIMO (Ant.H + Ant.G) / 5GHZ MIMO (Ant.H + Ant.J)					
			a	b	g	n	ac	ax(SU)	a	b	g	n	ac	ax(SU)
WiFi 2.4 GHz	DTS	Ch 1		19	18	18	18	16		22	21	21		19
		Ch 2 - 10		19	18	18	18	18		22	21	21		21
		Ch 11		19	18	18	18	16		22	21	21		19
WiFi 5 GHz (BW : 20MHz)	UNII-1 & 2A		18.0			18.0	18.0	18.0	21.0			21.0	21.0	21.0
	UNII-2C		18.0			18.0	18.0	18.0	21.0			21.0	21.0	21.0
	UNII-3		18.0			18.0	18.0	18.0	21.0			21.0	21.0	21.0
	UNII-4		18.0			18.0	18.0	18.0	21.0			21.0	21.0	21.0
WiFi 5 GHz (BW : 40MHz)	UNII-1 & 2A					18.0	18.0	18.0				21.0	21.0	21.0
	UNII-2C					18.0	18.0	18.0				21.0	21.0	21.0
	UNII-3					18.0	18.0	18.0				21.0	21.0	21.0
	UNII-4					18.0	18.0	18.0				21.0	21.0	21.0
WiFi 5 GHz (BW : 80MHz)	UNII-1 & 2A						18.0	18.0					21.0	21.0
	UNII-2C						18.0	18.0					21.0	21.0
	UNII-3						18.0	18.0					21.0	21.0
	UNII-4						18.0	18.0					21.0	21.0
WiFi 5 GHz (BW : 160MHz)	UNII-1 & 2A						18.0	18.0					21.0	21.0
	UNII-2C						18.0	18.0					21.0	21.0
	UNII-3 & 4						18.0	18.0					21.0	21.0

WLAN output power (Plimit of DSI 0,1)

RF Air interface	Band		Maximum allowed output power (dBm) - Plimit of DSI 0,1											
			802.11 mode											
			2.4GHz SISO (Ant.H & Ant.G) / 5GHz SISO (Ant.H & Ant.J)						2.4GHZ MIMO (Ant.H + Ant.G) / 5GHZ MIMO (Ant.H + Ant.J)					
			a	b	g	n	ac	ax(SU)	a	b	g	n	ac	ax(SU)
WiFi 2.4 GHz	DTS	Ch 1		19	18	18	18	16		22	21	21		19
		Ch 2 - 10		19	18	18	18	18		22	21	21		21
		Ch 11		19	18	18	18	16		22	21	21		19
WiFi 5 GHz (BW : 20MHz)	UNII-1 & 2A		17.0			17.0	17.0	17.0	20.0			20.0	20.0	20.0
	UNII-2C		17.0			17.0	17.0	17.0	20.0			20.0	20.0	20.0
	UNII-3		17.0			17.0	17.0	17.0	20.0			20.0	20.0	20.0
	UNII-4		17.0			17.0	17.0	17.0	20.0			20.0	20.0	20.0
WiFi 5 GHz (BW : 40MHz)	UNII-1 & 2A					17.0	17.0	17.0				20.0	20.0	20.0
	UNII-2C					17.0	17.0	17.0				20.0	20.0	20.0
	UNII-3					17.0	17.0	17.0				20.0	20.0	20.0
	UNII-4					17.0	17.0	17.0				20.0	20.0	20.0
WiFi 5 GHz (BW : 80MHz)	UNII-1 & 2A						17.0	17.0					20.0	20.0
	UNII-2C						17.0	17.0					20.0	20.0
	UNII-3						17.0	17.0					20.0	20.0
	UNII-4						17.0	17.0					20.0	20.0
WiFi 5 GHz (BW : 160MHz)	UNII-1 & 2A						17.0	17.0					20.0	20.0
	UNII-2C						17.0	17.0					20.0	20.0
	UNII-3 & 4						17.0	17.0					20.0	20.0

Notes:

1. DTS mode has support SISO (Only Ant.2) & MIMO mode.
2. UNII mode has support only MIMO mode.
3. RSDB scenarios refer to section.12 in report.

Maximum allowed output power means that Pmax or PLimit + 1dB device uncertainty for each DSI.

WLAN output power (Plimit of DSI 2,3)

RF Air interface	Band		Maximum allowed output power (dBm) - Plimit of DSI 2,3											
			802.11 mode											
			2.4GHz SISO (Ant.H & Ant.G) / 5GHz SISO (Ant.H & Ant.J)						2.4GHZ MIMO (Ant.H + Ant.G) / 5GHZ MIMO (Ant.H + Ant.J)					
			a	b	g	n	ac	ax(SU)	a	b	g	n	ac	ax(SU)
WiFi 2.4 GHz	DTS	Ch 1		18	18	18	18	16		21	21	21		19
		Ch 2 - 10		18	18	18	18	18		21	21	21		21
		Ch 11		18	18	18	18	16		21	21	21		19
WiFi 5 GHz (BW : 20MHz)	UNII-1 & 2A		18.0			18.0	18.0	18.0	21.0			21.0	21.0	21.0
	UNII-2C		18.0			18.0	18.0	18.0	21.0			21.0	21.0	21.0
	UNII-3		18.0			18.0	18.0	18.0	21.0			21.0	21.0	21.0
	UNII-4		18.0			18.0	18.0	18.0	21.0			21.0	21.0	21.0
WiFi 5 GHz (BW : 40MHz)	UNII-1 & 2A					18.0	18.0	18.0				21.0	21.0	21.0
	UNII-2C					18.0	18.0	18.0				21.0	21.0	21.0
	UNII-3					18.0	18.0	18.0				21.0	21.0	21.0
	UNII-4					18.0	18.0	18.0				21.0	21.0	21.0
WiFi 5 GHz (BW : 80MHz)	UNII-1 & 2A						18.0	18.0					21.0	21.0
	UNII-2C						18.0	18.0					21.0	21.0
	UNII-3						18.0	18.0					21.0	21.0
	UNII-4						18.0	18.0					21.0	21.0
WiFi 5 GHz (BW : 160MHz)	UNII-1 & 2A						18.0	18.0					21.0	21.0
	UNII-2C						18.0	18.0					21.0	21.0
	UNII-3 & 4						18.0	18.0					21.0	21.0

Bluetooth & Bluetooth LE maximum output power (Plimit of DSI 0,1,2,3)

RF Air interface	Maximum allowed output power (dBm) - Plimit of DSI 0,1,2,3	
	Ant.H	Ant.G
Bluetooth (1Mbps)	18.0	16.0
Bluetooth (EDR)	15.5	13.0
Bluetooth (LE) (1M/2M)	18.0	16.0
Bluetooth (LE) 125/500kbps	9.0	7.0

Notes:

1. DTS mode has support SISO (Only Ant.2) & MIMO mode.
2. UNII mode has support only MIMO mode.
3. RSDB scenarios refer to section.12 in report.
4. BT Antennas are not work at the same time.

6.5. DSI (Device State Index) Scenarios

This device supports multiple DSI Scenarios and Each DSIs operate to each RF exposure Conditions.

Please below table;

RF exposure Conditions	Technologuies Supported	DSI conditions	DUT Configuration	Description
Head	WWAN/WLAN/BT bands	DSI = 3	Folder Closed	Next to the ear exposure condition. Device's Receiver(ear piece) is active during Voice or VoIP call.
	WWAN/WLAN/BT bands	DSI = 2	Folder Opened	Next to the ear exposure condition. Device's Receiver(ear piece) is active during Voice or VoIP call.
Body-worn & Hotspot	WWAN/WLAN/BT bands	DSI = 1	Folder Closed	Device are used with body-worn accessories SAR test requirements for Device with wireless router or hotspot mode capabilities. Hand held condition.
Product Specific 10-g	WWAN/WLAN/BT bands			
Body	WWAN/WLAN/BT bands	DSI = 0	Folder Opened	Device are used near body. Hand held confiiton.
Extremity 10-g	WWAN/WLAN/BT bands			

Note(s):

1. DSI Scenarios priority : DSI=3 → DSI=1 in Folder Closed.
2. DSI Scenarios priority : DSI=2 → DSI=0 in Folder Opened.

6.6. General LTE SAR Test and Reporting Considerations

Item	Description						
Frequency range, Channel Bandwidth, Numbers and Frequencies	Band 2	Frequency range: 1850 - 1910 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					
		Channel Bandwidth					
		20 MHz	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					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	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					
		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					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	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					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	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					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low				23305/ 790.5		
	Mid			23330/ 793	23330/ 793		
	High				23355/ 795.5		
	Band 25	Frequency range: 1850 - 1915 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					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low		26765/ 821.5	26740/ 819	26715/ 816.5	26705/ 815.5	26697/ 814.7
	Mid		26865/ 831.5	26865/ 831.5	26865/ 831.5	26865/ 831.5	26865/ 831.5
	High		26965/ 841.5	26990/ 844	27015/ 846.5	27025/ 847.5	27033/ 848.3

General LTE SAR Test and Reporting Considerations (Continued)

Item	Description

Frequency range, Channel Bandwidth, Numbers and Frequencies

Band 30	Frequency range: 2305 - 2315 MHz					
	Channel Bandwidth					
	20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
Low				27685/ 2307.5		
Mid			27710/ 2310	27710/ 2310		
High				27735/ 2312.5		

Band 38	Frequency range: 2570 - 2620 MHz					
	Channel Bandwidth					
	20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
Low	37850/ 2580	37825/ 2577.5	37800/ 2575	37775/ 2572.5		
Mid	38000/ 2595	38000/ 2595	38000/ 2595	38000/ 2595		
High	38150/ 2610	38175/ 2612.5	38200/ 2615	38225/ 2617.5		

Band 41	Frequency range: 2496 - 2690 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					
	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	55990/ 3625	55990/ 3625	55990/ 3625	55990/ 3625		
High	56640/ 3690	56665/ 3692.5	56690/ 3695	56715/ 3697.5		

Band 66	Frequency range: 1710 - 1780 MHz					
	Channel Bandwidth					
	20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
Low	132072/ 1720	132047/ 1717.5	132022/ 1715	131997/ 1712.5	131987/ 1711.5	131979/ 1710.7
Mid	132322/ 1745	132322/ 1745	132322/ 1745	132322/ 1745	132322/ 1745	132322/ 1745
High	132572/ 1770	132597/ 1772.5	132622/ 1775	132647/ 1777.5	132657/ 1778.5	132665/ 1779.3

Band 71	Frequency range: 663 - 698 MHz					
	Channel Bandwidth					
	20 MHz	15 MHz	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

Refer to Appendix A.

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

Power reduction

Yes.

Spectrum plots for RB configurations

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

Notes:

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

6.7. 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	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
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	$26336 \cdot T_s$			$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-

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	63.33
1	5 ms	D	S	U	U	D	D	S	U	U	D	43.33
2	5 ms	D	S	U	D	D	D	S	U	D	D	23.33
3	10 ms	D	S	U	U	U	D	D	D	D	D	31.67
4	10 ms	D	S	U	U	D	D	D	D	D	D	21.67
5	10 ms	D	S	U	D	D	D	D	D	D	D	11.67
6	5 ms	D	S	U	U	U	D	S	U	U	D	53.33

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

Example for Calculated Duty Cycle for Uplink-Downlink Configuration 0:
Calculated Duty Cycle = 5120 x [1/(15000 x 2048)] x 2 + 6 ms = 63.33%
where
T_s = 1/(15000 x 2048) seconds

Note(s):
This device supports uplink-downlink configurations 0-6. The configuration with highest duty cycle was used for SAR Testing: configuration 0 at 63.3% duty cycle. Only LTE Band 41 Power Class 2 was used configuration 1 at 43.3% duty cycle for SAR testing.

6.8. NR (Sub 6GHz) SAR Test and Reporting Considerations

Item	Description													
Frequency range, Channel Bandwidth, Numbers and Frequencues	Band n2	Frequency range: 1850 - 1910 MHz												
		Channel Bandwidth												
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
	Low							374000/ 1870	373000/ 1865	372500/ 1862.5	372000/ 1860	371500/ 1857.5	371000/ 1855	370500/ 1852.5
	Mid							376000/ 1880	376000/ 1880	376000/ 1880	376000/ 1880	376000/ 1880	376000/ 1880	376000/ 1880
	High							378000/ 1890	379000/ 1895	379500 1897.5	380000/ 1900	380500/ 1902.5	381000/ 1905	381500/ 1907.5
	Band n5	Frequency range: 824 - 849 MHz												
		Channel Bandwidth												
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
	Low										166800/ 834	166300/ 831.5	165800/ 829	165300/ 826.5
	Mid										167300/ 836.5	167300/ 836.5	167300/ 836.5	167300/ 836.5
	High										167800/ 839	168300/ 841.5	168800/ 844	169300/ 846.5
	Band n7	Frequency range: 2510 - 2560 MHz												
		Channel Bandwidth												
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
	Low							50400/ 2520	50300/ 2515	502500/ 2512.5	502000/ 2510	501500/ 2507.5	501000/ 2505	500500/ 2502.5
	Mid							2535/ 507000	2535/ 507000	2535/ 507000	2535/ 507000	2535/ 507000	2535/ 507000	2535/ 507000
	High							510000/ 2550	511000/ 2555	511500/ 2557.5	512000/ 2560	512500/ 2562.5	513000/ 2565	513500/ 2567.5
	Band n12	Frequency range: 699 - 716 MHz												
		Channel Bandwidth												
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
	Low											141300/ 706.5	140800/ 704	140300/ 701.5
	Mid											141500/ 707.5	141500/ 707.5	141500/ 707.5
	High											141700/ 708.5	142200/ 711	142700/ 713.5
	Band n25	Frequency range: 1850 - 1915 MHz												
		Channel Bandwidth												
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
	Low							37400/ 1870	373000/ 1865	372500/ 1862.5	372000/ 1860	371500/ 1857.5	371000/ 1855	370500/ 1852.5
	Mid							376500/ 1882.5	376500/ 1882.5	376500/ 1882.5	376500/ 1882.5	376500/ 1882.5	376500/ 1882.5	376500/ 1882.5
	High							379000/ 1895	380000/ 1900	380500/ 1902.5	381000/ 1905	381500/ 1907.5	382000/ 1910	382500/ 1912.5
	Band n26	Frequency range: 814 - 849 MHz												
		Channel Bandwidth												
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
	Low										164800/ 824	164300/ 821.5	163800/ 819	163300/ 816.5
	Mid										166300/ 831.5	166300/ 831.5	166300/ 831.5	166300/ 831.5
	High										167800/ 839	168300/ 841.5	168800/ 844	169300/ 846.5
	Band n30	Frequency range: 2305 - 2315 MHz												
		Channel Bandwidth												
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
	Low													461500/ 2307.5
	Mid												462000/ 2310	462000/ 2310
	High													462500/ 2312.5
	Band n38	Frequency range: 2570 - 2620 MHz												
		Channel Bandwidth												
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
	Low							518000/ 2590	517000/ 2585		516000/ 2580	515500/ 2577.5	515000/ 2575	
	Mid							519000/ 2595	519000/ 2595		519000/ 2595	519000/ 2595	519000/ 2595	
	High							520000/ 2600	521000/ 2605		522000/ 2610	522500/ 2612.5	523000/ 2615	

NR (Sub 6GHz) SAR Test and Reporting Considerations (Continued)

Frequency range, Channel Bandwidth, Numbers and Frequencues

Band n41	Frequency range: 2496 - 2690 MHz											
	Channel Bandwidth											
	100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
Low	509202/ 2546.01	508200/ 2541	507204/ 2536.02	506202/ 2531.01	505200/ 2526	504204/ 2512.02	503202/ 2516.01	552200/ 2511		501204/ 2506.02	500700/ 2503.5	500202/ 2501.01	
Low-Mid							516468/ 2567.34	510402/ 2552.01		509898/ 2549.49	509652/ 2548.26	509400/ 2547	
Mid	518598/ 2592.99				518598/ 2592.99	518598/ 2592.99		518598/ 2592.99		518598/ 2592.99	518598/ 2592.99	518598/ 2592.99	
Mid-High	528000/ 2640	528996/ 2644.98	529998/ 2649.99	531000/ 2655	529998/ 2649.99	523734/ 2618.67	523734/ 2618.67	526800/ 2634		527298/ 2636.49	527550/ 2637.75	527802/ 2639.01	
High							534000/ 2670	534996/ 2674.98		535998/ 2679.99	536496/ 2682.48	537000/ 2685	

Band n48	Frequency range: 3550 - 3700 MHz											
	Channel Bandwidth											
	100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
Low							638000/ 3570	637668/ 3565.02		637334/ 3560.01	637168/ 3557.52	637000/ 3555	
Low-Mid								640334/ 3605.01		640222/ 3603.33	640166/ 3602.49	640110/ 3601.65	
Mid							641666/ 3624.99						
Mid-High								643000/ 3645		643112/ 3646.68	643166/ 3647.49	643222/ 3648.33	
High							645332/ 3679.98	645666/ 3684.99		646000/ 3690	646166/ 3692.49	646332/ 3694.98	

Band n66	Frequency range: 1710 - 1780 MHz											
	Channel Bandwidth											
	100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
Low							346000/ 1730	345000/ 1725	344500/ 1722.5	344000 /1720	343500 /1717.5	343000 /1715	342500 /1712.5
Mid							349000/ 1745	349000/ 1745	349000/ 1745	349000/ 1745	349000/ 1745	349000/ 1745	349000/ 1745
High							352000/ 1760	353000/ 1765	353500/ 1767.5	354000 /1770	354500 /1772.5	355000 /1775	355500 /1777.5

Band n71	Frequency range: 663 - 698 MHz											
	Channel Bandwidth											
	100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
Low										134600/ 673	134100/ 670.5	133600/ 668	133147/ 665.5
Mid										136100/ 680.5	136100/ 680.5	136100/ 680.5	136100/ 680.5
High										137600/ 688	138100/ 690.5	138600/ 693	133447/ 695.5

Band n77 -DoD-	Frequency range: 3450 - 3550 MHz											
	Channel Bandwidth											
	100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
Low						631668/ 3475.02	631334/ 3470.01	631000/ 3465	630866/ 3462.99	630668/ 3460.02	630500/ 3457.5	630334/ 3455.01	
Mid	633334 /3500.01	633334 /3500.01	633334 /3500.01	633334 /3500.01	633334 /3500.01			633334 /3500.01	633334 /3500.01	633334 /3500.01	633334 /3500.01	633334 /3500.01	
High						635000/ 3525	635332/ 3529.98	635666/ 3534.99	635800 3537	636000/ 3540	636166/ 3542.49	636332/ 3544.98	

Band n77	Frequency range: 3700 - 3980 MHz											
	Channel Bandwidth											
	100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
Low	650000 /3750	649668 /3745.02	649334 /3740.01	649000/ 3735	648668 /3730.02	648334 /3725.01	648000 /3720	647668/ 3715.02	647500/ 3712.5	647334 /3710.01	647168/ 3707.52	647000/ 3705	
Low-Mid				653666/ 3804.99	653556 /3803.34	652166 /3782.49	651200 /3768	651000/ 3765	650900/ 3763.5	650800 /3762	650700/ 3760.5	650600/ 3759	
Mid-A		656000 /3840	656000 /3840			656000 /3840	654400 /3816	654334/ 3815.01	654300/ 3814.5	654266 /3813.99	654234/ 3813.51	654200/ 3813	
Mid-B							657600 /3864	657666/ 3864.99	657700/ 3814.5	657734 /3866.01	657766/ 3866.49	657800/ 3867	
Mid-High	662000 /3930	662332 /3934.98	662666 /3939.99	658334/ 3875.01	658444 /3876.66	659834 /3897.51	660800 /3912	661000/ 3915	661100/ 3916.5	661200 /3918	661300/ 3919.5	661400/ 3921	
High				663000/ 3945	663332 /3949.98	663666 /3954.99	664000 /3960	664332/ 3964.98	664500/ 3967.5	664666 /3969.99	664832/ 3972.48	665000/ 3975	

NR (Sub 6GHz) SAR Test and Reporting Considerations (Continued)

SCS	NR FDD Bands : 15 kHz, NR TDD Bands : 30kHz
Modulations Supported in UL	DFT-s-OFDM: π/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM & CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM
A-MPR (Additional MPR) disabled for SAR Testing?	Yes
EN-DC Carrier Aggregation Possible Combinations	
LTE Anchor Bands for NR Band n2	LTE Band 4/5/12/13/14/30/48/66
LTE Anchor Bands for NR Band n5	LTE Band 2/7/30/48/66
LTE Anchor Bands for NR Band n7	LTE Band 2/5/66
LTE Anchor Bands for NR Band n12	LTE Band 2/48/66
LTE Anchor Bands for NR Band n25	LTE Band 12/66
LTE Anchor Bands for NR Band n30	LTE Band 2/5/12/14/66
LTE Anchor Bands for NR Band n41	LTE Band 2/66
LTE Anchor Bands for NR Band n48	LTE Band 2/66
LTE Anchor Bands for NR Band n66	LTE Band 2/5/7/12/13/14/30/48
LTE Anchor Bands for NR Band n71	LTE Band 2/48/66
LTE Anchor Bands for NR Band n77	LTE Band 2/5/7/12/13/14/30/66/71

Notes:

1. 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.
2. NR configurations of SAR test were determined according to Section 5.2 of KDB 941225 D05.

6.9. Dynamic Antenna tuner testing

This Device applies Qualcomm chipset solution's Dynamic Antenna tuning technology to some 3G /4G /5G sub6 bands. (WCDMA B5/ LTE B5/B12/B13/B14/B26/B71/ NR Band n5/n12/n26/n71)
Dynamic Antenna tuning was tested in accordance with the April 2019 FCC TCBC Workshop notes.

Per 2019, April TCBC Workshop document

- SAR is measured according to required procedures with dynamic tuner active allowing device to automatically tune. Auto-tune state determined by device during normal SAR measurement verified and listed alongside the reported SAR results.
- Additional single point SAR (time-sweep) measurements were evaluated for other tuner states to determine that the other configurations would result in equivalent or lower SAR values.
- Single point measurements performed at the peak SAR location of the highest measured SAR configuration for each combination. SAR probe remains stationary throughout the entire series of single point measurements for each combination.
- Total number tuner states divided evenly among each supported band / air interface and exposure condition combination. If any single point SAR measurement result is > 1.2 W/kg for a band / exposure condition combination set, all supported tuner states are evaluated with single point SAR measurements for the combination. Tuner state is established remotely so that the device is not moved for the entire series of single point SAR measurements for the tuner states in each combination.

The following test procedures were followed to demonstrate that the SAR results in Section 10 represented the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR was measured according to the required FCC SAR test procedures with the dynamic tuning active to allow the device to automatically to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements were evaluated for other tuner states to determine that the other configurations would result in equivalent or lower SAR values. The additional tuner hardware has no influence on the antenna characteristics, other impedance matching.

To evaluate all the tuner states, the 144 tuner states were divided among the aggregate band, mode and exposure combinations so that each combination was evaluated for at least 26 tuner states and also so that at least 2 single point SAR measurements were made for every available tuner state. Single point time-sweep measurements were performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state was able to be established remotely so that the device was not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe remained stationary at the same position throughout the entire series of single point measurements for each combination. When the single point SAR or 1g SAR was > 1.2 W/kg for a particular band / mode / exposure condition, point SAR measurements were made for all 144 tuner states.

The Evaluation of Dynamic antenna tuner was only evaluated for the band with the larger transmission frequency range. The operational description contains more information about the design and implementation of the dynamic antenna tuning.

Note(s):

All test results are refer to Appendix H "Dynamic Antenna tuner testing".

7. RF Exposure Conditions (Test Configurations)

Refer to Appendix A for the specific details of the antenna-to-antenna and antenna-to-edge(s) distances.

Folder Closed (Phablet mode)

Wireless technologies	RF Exposure Conditions	Antenaa	DUT-to-User Separation	Test Position	Antenna-to-edge/surface	SAR Required	Note
WWAN	Head	All Antennas	0 mm	Left Touch	N/A	Yes	
				Left Tilt (15°)	N/A	Yes	
				Right Touch	N/A	Yes	
				Right Tilt (15°)	N/A	Yes	
	Body-worn & Hotspot	All Antennas	10 mm	Rear	N/A	Yes	
				Front	N/A	Yes	
	Hotspot	Ant.A	10 mm	Top	> 25 mm	No	1
				Left	< 25 mm	Yes	
				Bottom	< 25 mm	Yes	
				Right	> 25 mm	No	1
		Ant.(A+B) & Ant.B Ant.C	10 mm	Top	> 25 mm	No	1
				Left	< 25 mm	Yes	
				Bottom	< 25 mm	Yes	
				Right	< 25 mm	Yes	
		Ant.D	10 mm	Top	> 25 mm	No	1
				Left	> 25 mm	No	1
				Bottom	< 25 mm	Yes	
				Right	< 25 mm	Yes	
		Ant.F	10 mm	Top	< 25 mm	Yes	
				Left	> 25 mm	No	1
				Bottom	> 25 mm	No	1
				Right	< 25 mm	Yes	
		Ant.G	10 mm	Top	< 25 mm	Yes	
				Left	< 25 mm	Yes	
				Bottom	> 25 mm	No	1
				Right	< 25 mm	Yes	
		Ant.H	10 mm	Top	> 25 mm	No	1
				Left	< 25 mm	Yes	
				Bottom	> 25 mm	No	1
				Right	> 25 mm	No	1
	Product Specific 10-g	All Main Antennas	0 mm	Rear	Refer to notes 2 & 3		
				Front			
				Top			
				Left			
				Bottom			
				Right			

Wireless technologies	RF Exposure Conditions	Antenaa	DUT-to-User Separation	Test Position	Antenna-to-edge/surface	SAR Required	Note
WLAN/BT	Head	All Antennas	0 mm	Left Touch	N/A	Yes	
				Left Tilt (15°)	N/A	Yes	
				Right Touch	N/A	Yes	
				Right Tilt (15°)	N/A	Yes	
	Body-worn	All Antennas	10 mm	Rear	N/A	Yes	
				Front	N/A	Yes	
	Hotspot	Ant.H	10mm	Top	> 25 mm	No	1
				Left	< 25 mm	Yes	
				Bottom	> 25 mm	No	1
				Right	> 25 mm	No	1
	Hotspot	Ant.G & Ant.J	10mm	Top	< 25 mm	Yes	
				Left	< 25 mm	Yes	
				Bottom	> 25 mm	No	1
				Right	< 25 mm	Yes	
	Product Specific 10-g	All Main Antennas	0 mm	Rear	Refer to notes 2 & 4		
				Front			
				Top			
				Left			
				Bottom			
				Right			

Wireless technologies	RF Exposure Conditions	Antenaa	DUT-to-User Separation	Test Position	Antenna-to-edge/surface	SAR Required	Note
NFC	Product Specific (Hand) 10-g	NFC Ant.	0 mm	Rear	< 25 mm	Yes	
				Front	< 25 mm	Yes	
				Top	> 25 mm	No	1
				Left	< 25 mm	Yes	
				Bottom	< 25 mm	Yes	
				Right	< 25 mm	Yes	

Notes:

1. SAR is not required because the distance from the antenna to the edge is > 25 mm as per KDB 941225 D06 Hot Spot SAR.
2. For Phablet devices: When hotspot mode applies, Product specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.
3. For Phablet devices: When hotspot mode applies and power reduction applies to hotspot mode, Product specific 10-g SAR is required for each test position that has and adjusted SAR to maximum power that is > 1.2 W/kg.
4. For Phablet devices: When hotspot mode is not supported, Product specific 10-g SAR is required for all surfaces and edges with an antenna located at ≤ 25mm from that surface or edge in direct contact with a flat phantom, to address interactive hand use exposure conditions.
5. Per manufacturer guide, NFC SAR was considered about only hand held condition (Product Specific 10-g).

Folder Opened (Phablet mode)

Wireless technologies	RF Exposure Conditions	Antenaa	DUT-to-User Separation	Test Position	Antenna-to-edge/surface	SAR Required	Note
WWAN	Body & Extremity 10-g	Ant.A & Ant.(A+B) Ant.B	Body (10 mm) Extremity (0 mm)	Rear	N/A	Yes	
				Front	N/A	Yes	
				Top	> 25 mm	No	1
				Left	< 25 mm	Yes	
				Bottom	< 25 mm	Yes	
				Right	> 25 mm	No	1
		Ant.C & Ant.D	Body (10 mm) Extremity (0 mm)	Rear	N/A	Yes	
				Front	N/A	Yes	
				Top	> 25 mm	No	1
				Left	> 25 mm	No	1
				Bottom	< 25 mm	Yes	
				Right	> 25 mm	No	1
		Ant.F	Body (10 mm) Extremity (0 mm)	Rear	N/A	Yes	
				Front	N/A	Yes	
				Top	< 25 mm	Yes	
				Left	> 25 mm	No	1
				Bottom	> 25 mm	No	1
				Right	> 25 mm	No	1
		Ant.G	Body (10 mm) Extremity (0 mm)	Rear	N/A	Yes	
				Front	N/A	Yes	
				Top	< 25 mm	Yes	
				Left	< 25 mm	Yes	
				Bottom	> 25 mm	No	1
				Right	> 25 mm	No	1
		Ant.H	Body (10 mm) Extremity (0 mm)	Rear	N/A	Yes	
				Front	N/A	Yes	
				Top	> 25 mm	No	1
				Left	< 25 mm	Yes	
				Bottom	> 25 mm	No	1
				Right	> 25 mm	No	1

Wireless technologies	RF Exposure Conditions	Antenaa	DUT-to-User Separation	Test Position	Antenna-to-edge/surface	SAR Required	Note
WLAN/BT	Body & Extremity 10-g	Ant.G & Ant.J	Body (10 mm) Extremity (0 mm)	Rear	N/A	Yes	
				Front	N/A	Yes	
				Top	< 25 mm	Yes	
				Left	< 25 mm	Yes	
				Bottom	> 25 mm	No	1
				Right	> 25 mm	No	1
		Ant.H	Body (10 mm) Extremity (0 mm)	Rear	N/A	Yes	
				Front	N/A	Yes	
				Top	> 25 mm	No	1
				Left	< 25 mm	Yes	
				Bottom	> 25 mm	No	1
				Right	> 25 mm	No	1

Wireless technologies	RF Exposure Conditions	Antenaa	DUT-to-User Separation	Test Position	Antenna-to-edge/surface	SAR Required	Note
NFC	Extremity 10-g	NFC Ant.	0 mm	Rear	< 25 mm	Yes	
				Front	< 25 mm	Yes	
				Top	> 25 mm	No	1
				Left	< 25 mm	Yes	
				Bottom	< 25 mm	Yes	
				Right	> 25 mm	No	1

Notes:

1. SAR is not required because the distance from the antenna to the edge is > 25 mm as per KDB 941225 D07 UMPC mini-tablet SAR.
2. Per FCC guide, UMPC mini-tablet SAR evaluated at 1-g body at 10mm and 10-g extremity at 0mm.
3. Per manufacturer guide, NFC SAR was considered about only hand held condition (extremity 10-g).

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 Tissue Dielectric parameters (100MHz to 6GHz) 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.

For The Tissue Dielectric parameters (4MHz to 30MHz). The parameters must be measured before 24 hours.

1. Tissue Dielectric Parameters (100MHz to 6GHz)

FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

Target Frequency (MHz)	Head	
	ε_r	σ (S/m)
150	52.3	0.76
300	45.3	0.87
450	43.5	0.87
835	41.5	0.90
900	41.5	0.97
915	41.5	0.98
1450	40.5	1.20
1610	40.3	1.29
1800 – 2000	40.0	1.40
2450	39.2	1.80
3000	38.5	2.40
5000	36.2	4.45
5100	36.1	4.55
5200	36.0	4.66
5300	35.9	4.76
5400	35.8	4.86
5500	35.6	4.96
5600	35.5	5.07
5700	35.4	5.17
5800	35.3	5.27
6000	35.1	5.48

SAR test were performed in All RF exposure conditions using Head tissue according to TCB workshop note of April. 2019.

IEEE Std 1528-2013

Refer to Table 3 within the IEEE Std 1528-2013

2. Tissue Dielectric Parameters (4MHz to 30MHz)

Target Frequency (MHz)	Head	
	ε_r	σ (S/m)
4	55.0	0.75
13	55.0	0.75
30	55.0	0.75

IEC_IEEE Std 62209-1528 : 2020

Refer to Table 2 within the IEC_IEEE Std 62209-1528 : 2020.

Dielectric Property Measurements Results:

SAR 1 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
4-17-2023	Head 1750	e'	39.0600	Relative Permittivity (ϵ_r):	39.06	40.08	-2.56	5
		e"	13.8300	Conductivity (σ):	1.35	1.37	-1.70	5
	Head 1710	e'	39.1200	Relative Permittivity (ϵ_r):	39.12	40.15	-2.56	5
		e"	13.9700	Conductivity (σ):	1.33	1.35	-1.35	5
	Head 1755	e'	39.0600	Relative Permittivity (ϵ_r):	39.06	40.08	-2.54	5
		e"	13.8200	Conductivity (σ):	1.35	1.37	-1.69	5
4-17-2023	Head 1900	e'	38.9400	Relative Permittivity (ϵ_r):	38.94	40.00	-2.65	5
		e"	13.3900	Conductivity (σ):	1.41	1.40	1.04	5
	Head 1850	e'	38.9400	Relative Permittivity (ϵ_r):	38.94	40.00	-2.65	5
		e"	13.4800	Conductivity (σ):	1.39	1.40	-0.95	5
	Head 1910	e'	38.9400	Relative Permittivity (ϵ_r):	38.94	40.00	-2.65	5
		e"	13.3800	Conductivity (σ):	1.42	1.40	1.50	5
5-2-2023	Head 1750	e'	40.6300	Relative Permittivity (ϵ_r):	40.63	40.08	1.36	5
		e"	13.9300	Conductivity (σ):	1.36	1.37	-0.99	5
	Head 1710	e'	40.7200	Relative Permittivity (ϵ_r):	40.72	40.15	1.43	5
		e"	13.9700	Conductivity (σ):	1.33	1.35	-1.35	5
	Head 1755	e'	40.6200	Relative Permittivity (ϵ_r):	40.62	40.08	1.36	5
		e"	13.9200	Conductivity (σ):	1.36	1.37	-0.98	5
5-2-2023	Head 1900	e'	40.1800	Relative Permittivity (ϵ_r):	40.18	40.00	0.45	5
		e"	13.6100	Conductivity (σ):	1.44	1.40	2.70	5
	Head 1850	e'	40.3100	Relative Permittivity (ϵ_r):	40.31	40.00	0.78	5
		e"	13.7500	Conductivity (σ):	1.41	1.40	1.03	5
	Head 1910	e'	40.1600	Relative Permittivity (ϵ_r):	40.16	40.00	0.40	5
		e"	13.5800	Conductivity (σ):	1.44	1.40	3.02	5

SAR 2 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
3-20-2023	Head 1900	e'	41.3500	Relative Permittivity (ϵ_r):	41.35	40.00	3.38	5
		e"	13.5200	Conductivity (σ):	1.43	1.40	2.02	5
	Head 1850	e'	41.2500	Relative Permittivity (ϵ_r):	41.25	40.00	3.13	5
		e"	13.5500	Conductivity (σ):	1.39	1.40	-0.44	5
	Head 1910	e'	41.3700	Relative Permittivity (ϵ_r):	41.37	40.00	3.42	5
		e"	13.5100	Conductivity (σ):	1.43	1.40	2.48	5
3-23-2023	Head 1750	e'	40.0600	Relative Permittivity (ϵ_r):	40.06	40.08	-0.06	5
		e"	13.8500	Conductivity (σ):	1.35	1.37	-1.56	5
	Head 1710	e'	40.1800	Relative Permittivity (ϵ_r):	40.18	40.15	0.08	5
		e"	14.0000	Conductivity (σ):	1.33	1.35	-1.13	5
	Head 1755	e'	40.0500	Relative Permittivity (ϵ_r):	40.05	40.08	-0.07	5
		e"	13.8300	Conductivity (σ):	1.35	1.37	-1.62	5
3-23-2023	Head 1900	e'	39.9600	Relative Permittivity (ϵ_r):	39.96	40.00	-0.10	5
		e"	13.3900	Conductivity (σ):	1.41	1.40	1.04	5
	Head 1850	e'	39.9700	Relative Permittivity (ϵ_r):	39.97	40.00	-0.08	5
		e"	13.5600	Conductivity (σ):	1.39	1.40	-0.37	5
	Head 1910	e'	39.9600	Relative Permittivity (ϵ_r):	39.96	40.00	-0.10	5
		e"	13.3600	Conductivity (σ):	1.42	1.40	1.35	5
3-27-2023	Head 750	e'	42.1100	Relative Permittivity (ϵ_r):	42.11	41.96	0.35	5
		e"	21.8300	Conductivity (σ):	0.91	0.89	1.94	5
	Head 680	e'	42.2700	Relative Permittivity (ϵ_r):	42.27	42.32	-0.12	5
		e"	23.8700	Conductivity (σ):	0.90	0.89	1.67	5
	Head 790	e'	41.7800	Relative Permittivity (ϵ_r):	41.78	41.76	0.06	5
		e"	20.7800	Conductivity (σ):	0.91	0.90	1.86	5
3-27-2023	Head 835	e'	41.9400	Relative Permittivity (ϵ_r):	41.94	41.50	1.06	5
		e"	20.2400	Conductivity (σ):	0.94	0.90	4.41	5
	Head 820	e'	41.8600	Relative Permittivity (ϵ_r):	41.86	41.60	0.62	5
		e"	20.4100	Conductivity (σ):	0.93	0.90	3.58	5
	Head 850	e'	41.9600	Relative Permittivity (ϵ_r):	41.96	41.50	1.11	5
		e"	20.0300	Conductivity (σ):	0.95	0.92	3.46	5

SAR 2 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
3-31-2023	Head 750	e'	41.9500	Relative Permittivity (ε_r):	41.95	41.96	-0.03	5
		e"	21.5700	Conductivity (σ):	0.90	0.89	0.72	5
	Head 680	e'	42.1000	Relative Permittivity (ε_r):	42.10	42.32	-0.52	5
		e"	23.5100	Conductivity (σ):	0.89	0.89	0.14	5
	Head 790	e'	41.7000	Relative Permittivity (ε_r):	41.70	41.76	-0.14	5
		e"	20.6800	Conductivity (σ):	0.91	0.90	1.37	5
4-4-2023	Head 750	e'	42.3800	Relative Permittivity (ε_r):	42.38	41.96	1.00	5
		e"	21.1200	Conductivity (σ):	0.88	0.89	-1.38	5
	Head 680	e'	42.5400	Relative Permittivity (ε_r):	42.54	42.32	0.52	5
		e"	22.7200	Conductivity (σ):	0.86	0.89	-3.23	5
	Head 790	e'	42.2800	Relative Permittivity (ε_r):	42.28	41.76	1.25	5
		e"	20.3200	Conductivity (σ):	0.89	0.90	-0.40	5
4-4-2023	Head 835	e'	42.2200	Relative Permittivity (ε_r):	42.22	41.50	1.73	5
		e"	19.5400	Conductivity (σ):	0.91	0.90	0.80	5
	Head 820	e'	42.2400	Relative Permittivity (ε_r):	42.24	41.60	1.53	5
		e"	19.8000	Conductivity (σ):	0.90	0.90	0.48	5
	Head 850	e'	42.2100	Relative Permittivity (ε_r):	42.21	41.50	1.71	5
		e"	19.2800	Conductivity (σ):	0.91	0.92	-0.41	5
4-10-2023	Head 750	e'	41.4400	Relative Permittivity (ε_r):	41.44	41.96	-1.24	5
		e"	21.2800	Conductivity (σ):	0.89	0.89	-0.63	5
	Head 680	e'	41.1700	Relative Permittivity (ε_r):	41.17	42.32	-2.72	5
		e"	23.7100	Conductivity (σ):	0.90	0.89	0.99	5
	Head 790	e'	41.3700	Relative Permittivity (ε_r):	41.37	41.76	-0.93	5
		e"	20.6000	Conductivity (σ):	0.90	0.90	0.97	5
4-10-2023	Head 835	e'	42.0700	Relative Permittivity (ε_r):	42.07	41.50	1.37	5
		e"	19.9200	Conductivity (σ):	0.92	0.90	2.76	5
	Head 820	e'	41.8200	Relative Permittivity (ε_r):	41.82	41.60	0.52	5
		e"	20.2100	Conductivity (σ):	0.92	0.90	2.56	5
	Head 850	e'	42.2200	Relative Permittivity (ε_r):	42.22	41.50	1.73	5
		e"	19.5300	Conductivity (σ):	0.92	0.92	0.88	5
4-14-2023	Head 750	e'	41.6100	Relative Permittivity (ε_r):	41.61	41.96	-0.84	5
		e"	21.7200	Conductivity (σ):	0.91	0.89	1.42	5
	Head 680	e'	41.6100	Relative Permittivity (ε_r):	41.61	42.32	-1.68	5
		e"	23.4600	Conductivity (σ):	0.89	0.89	-0.08	5
	Head 790	e'	41.1200	Relative Permittivity (ε_r):	41.12	41.76	-1.52	5
		e"	20.7600	Conductivity (σ):	0.91	0.90	1.76	5
4-14-2023	Head 835	e'	41.1500	Relative Permittivity (ε_r):	41.15	41.50	-0.84	5
		e"	20.0000	Conductivity (σ):	0.93	0.90	3.17	5
	Head 820	e'	41.0600	Relative Permittivity (ε_r):	41.06	41.60	-1.30	5
		e"	20.2500	Conductivity (σ):	0.92	0.90	2.76	5
	Head 850	e'	41.2900	Relative Permittivity (ε_r):	41.29	41.50	-0.51	5
		e"	19.7600	Conductivity (σ):	0.93	0.92	2.07	5
4-20-2023	Head 5200	e'	36.8800	Relative Permittivity (ε_r):	36.88	35.99	2.47	5
		e"	15.8000	Conductivity (σ):	4.57	4.65	-1.78	5
	Head 5250	e'	36.6800	Relative Permittivity (ε_r):	36.68	35.93	2.08	5
		e"	15.8900	Conductivity (σ):	4.64	4.70	-1.35	5
	Head 5600	e'	34.6000	Relative Permittivity (ε_r):	34.60	35.53	-2.63	5
		e"	16.5300	Conductivity (σ):	5.15	5.06	1.72	5
	Head 5750	e'	34.0900	Relative Permittivity (ε_r):	34.09	35.36	-3.60	5
		e"	16.6200	Conductivity (σ):	5.31	5.21	1.92	5
	Head 5800	e'	34.0300	Relative Permittivity (ε_r):	34.03	35.30	-3.60	5
		e"	16.6700	Conductivity (σ):	5.38	5.27	2.01	5
	Head 5925	e'	34.2100	Relative Permittivity (ε_r):	34.21	35.20	-2.81	5
		e"	16.7500	Conductivity (σ):	5.52	5.40	2.19	5
4-22-2023	Head 2450	e'	38.7900	Relative Permittivity (ε_r):	38.79	39.20	-1.05	5
		e"	13.2900	Conductivity (σ):	1.81	1.80	0.58	5
	Head 2400	e'	38.7900	Relative Permittivity (ε_r):	38.79	39.30	-1.29	5
		e"	13.3500	Conductivity (σ):	1.78	1.75	1.71	5
	Head 2480	e'	38.7700	Relative Permittivity (ε_r):	38.77	39.16	-1.00	5
		e"	13.2600	Conductivity (σ):	1.83	1.83	-0.21	5

SAR 3 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
3-20-2023	Head 1750	e'	40.6000	Relative Permittivity (ε_r):	40.60	40.08	1.29	5
		e"	13.8200	Conductivity (σ):	1.34	1.37	-1.77	5
	Head 1710	e'	40.5500	Relative Permittivity (ε_r):	40.55	40.15	1.01	5
		e"	14.0100	Conductivity (σ):	1.33	1.35	-1.06	5
	Head 1755	e'	40.5900	Relative Permittivity (ε_r):	40.59	40.08	1.28	5
		e"	13.7900	Conductivity (σ):	1.35	1.37	-1.90	5
3-20-2023	Head 1900	e'	40.3500	Relative Permittivity (ε_r):	40.35	40.00	0.88	5
		e"	13.5300	Conductivity (σ):	1.43	1.40	2.10	5
	Head 1850	e'	40.2900	Relative Permittivity (ε_r):	40.29	40.00	0.72	5
		e"	13.5600	Conductivity (σ):	1.39	1.40	-0.37	5
	Head 1910	e'	40.3600	Relative Permittivity (ε_r):	40.36	40.00	0.90	5
		e"	13.5200	Conductivity (σ):	1.44	1.40	2.56	5
3-24-2023	Head 1900	e'	39.1300	Relative Permittivity (ε_r):	39.13	40.00	-2.17	5
		e"	13.3700	Conductivity (σ):	1.41	1.40	0.89	5
	Head 1850	e'	39.1200	Relative Permittivity (ε_r):	39.12	40.00	-2.20	5
		e"	13.5200	Conductivity (σ):	1.39	1.40	-0.66	5
	Head 1910	e'	39.1500	Relative Permittivity (ε_r):	39.15	40.00	-2.13	5
		e"	13.3700	Conductivity (σ):	1.42	1.40	1.42	5
3-28-2023	Head 1750	e'	39.4000	Relative Permittivity (ε_r):	39.40	40.08	-1.71	5
		e"	14.3200	Conductivity (σ):	1.39	1.37	1.79	5
	Head 1710	e'	39.4100	Relative Permittivity (ε_r):	39.41	40.15	-1.83	5
		e"	14.6000	Conductivity (σ):	1.39	1.35	3.10	5
	Head 1755	e'	39.4000	Relative Permittivity (ε_r):	39.40	40.08	-1.69	5
		e"	14.2900	Conductivity (σ):	1.39	1.37	1.65	5
3-28-2023	Head 1900	e'	39.2300	Relative Permittivity (ε_r):	39.23	40.00	-1.93	5
		e"	13.7000	Conductivity (σ):	1.45	1.40	3.38	5
	Head 1850	e'	39.2100	Relative Permittivity (ε_r):	39.21	40.00	-1.98	5
		e"	13.8800	Conductivity (σ):	1.43	1.40	1.98	5
	Head 1910	e'	39.2200	Relative Permittivity (ε_r):	39.22	40.00	-1.95	5
		e"	13.6700	Conductivity (σ):	1.45	1.40	3.70	5
4-3-2023	Head 1750	e'	39.8400	Relative Permittivity (ε_r):	39.84	40.08	-0.61	5
		e"	13.5700	Conductivity (σ):	1.32	1.37	-3.55	5
	Head 1710	e'	39.9500	Relative Permittivity (ε_r):	39.95	40.15	-0.49	5
		e"	13.7000	Conductivity (σ):	1.30	1.35	-3.25	5
	Head 1755	e'	39.8200	Relative Permittivity (ε_r):	39.82	40.08	-0.64	5
		e"	13.5500	Conductivity (σ):	1.32	1.37	-3.61	5
4-3-2023	Head 1900	e'	39.5400	Relative Permittivity (ε_r):	39.54	40.00	-1.15	5
		e"	13.0300	Conductivity (σ):	1.38	1.40	-1.67	5
	Head 1850	e'	39.5900	Relative Permittivity (ε_r):	39.59	40.00	-1.02	5
		e"	13.1800	Conductivity (σ):	1.36	1.40	-3.16	5
	Head 1910	e'	39.5400	Relative Permittivity (ε_r):	39.54	40.00	-1.15	5
		e"	13.0200	Conductivity (σ):	1.38	1.40	-1.23	5
4-7-2023	Head 1750	e'	40.0500	Relative Permittivity (ε_r):	40.05	40.08	-0.09	5
		e"	13.9000	Conductivity (σ):	1.35	1.37	-1.20	5
	Head 1710	e'	40.1700	Relative Permittivity (ε_r):	40.17	40.15	0.06	5
		e"	13.9600	Conductivity (σ):	1.33	1.35	-1.42	5
	Head 1755	e'	40.0300	Relative Permittivity (ε_r):	40.03	40.08	-0.12	5
		e"	13.8900	Conductivity (σ):	1.36	1.37	-1.19	5
4-10-2023	Head 1750	e'	40.2300	Relative Permittivity (ε_r):	40.23	40.08	0.36	5
		e"	13.6900	Conductivity (σ):	1.33	1.37	-2.69	5
	Head 1710	e'	40.3100	Relative Permittivity (ε_r):	40.31	40.15	0.41	5
		e"	13.7600	Conductivity (σ):	1.31	1.35	-2.83	5
	Head 1755	e'	40.2100	Relative Permittivity (ε_r):	40.21	40.08	0.33	5
		e"	13.6800	Conductivity (σ):	1.33	1.37	-2.69	5
4-10-2023	Head 1900	e'	39.9200	Relative Permittivity (ε_r):	39.92	40.00	-0.20	5
		e"	13.4700	Conductivity (σ):	1.42	1.40	1.65	5
	Head 1850	e'	40.0200	Relative Permittivity (ε_r):	40.02	40.00	0.05	5
		e"	13.5000	Conductivity (σ):	1.39	1.40	-0.81	5
	Head 1910	e'	39.8900	Relative Permittivity (ε_r):	39.89	40.00	-0.27	5
		e"	13.4900	Conductivity (σ):	1.43	1.40	2.33	5

SAR 3 Room (Continued)

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
4-12-2023	Head 5180	e'	35.1900	Relative Permittivity (ϵ_r):	35.19	36.01	-2.29	5
		e"	15.5200	Conductivity (σ):	4.47	4.63	-3.46	5
	Head 5200	e'	35.0600	Relative Permittivity (ϵ_r):	35.06	35.99	-2.58	5
		e"	15.5400	Conductivity (σ):	4.49	4.65	-3.39	5
	Head 5600	e'	34.3800	Relative Permittivity (ϵ_r):	34.38	35.53	-3.25	5
		e"	15.9600	Conductivity (σ):	4.97	5.06	-1.79	5
	Head 5800	e'	34.0900	Relative Permittivity (ϵ_r):	34.09	35.30	-3.43	5
		e"	16.1400	Conductivity (σ):	5.21	5.27	-1.23	5
	Head 5825	e'	34.0300	Relative Permittivity (ϵ_r):	34.03	35.30	-3.60	5
		e"	16.0400	Conductivity (σ):	5.20	5.27	-1.42	5
	Head 5925	e'	33.8800	Relative Permittivity (ϵ_r):	33.88	35.20	-3.75	5
		e"	16.1700	Conductivity (σ):	5.33	5.40	-1.35	5
4-17-2023	head 2250	e'	39.5400	Relative Permittivity (ϵ_r):	39.54	39.56	-0.05	5
		e"	13.4200	Conductivity (σ):	1.68	1.62	3.65	5
	head 2300	e'	39.5500	Relative Permittivity (ϵ_r):	39.55	39.47	0.20	5
		e"	13.3000	Conductivity (σ):	1.70	1.66	2.23	5
	head 2350	e'	39.2900	Relative Permittivity (ϵ_r):	39.29	39.38	-0.24	5
		e"	13.3700	Conductivity (σ):	1.75	1.71	2.30	5
4-17-2023	Head 2600	e'	39.2300	Relative Permittivity (ϵ_r):	39.23	39.01	0.56	5
		e"	13.7700	Conductivity (σ):	1.99	1.96	1.45	5
	Head 2500	e'	39.5200	Relative Permittivity (ϵ_r):	39.52	39.14	0.98	5
		e"	13.8400	Conductivity (σ):	1.92	1.85	3.77	5
	Head 2700	e'	38.9800	Relative Permittivity (ϵ_r):	38.98	38.88	0.25	5
		e"	13.8000	Conductivity (σ):	2.07	2.07	0.07	5
4-21-2023	Head 1750	e'	39.6500	Relative Permittivity (ϵ_r):	39.65	40.08	-1.08	5
		e"	14.1800	Conductivity (σ):	1.38	1.37	0.79	5
	Head 1710	e'	39.7600	Relative Permittivity (ϵ_r):	39.76	40.15	-0.96	5
		e"	14.4200	Conductivity (σ):	1.37	1.35	1.83	5
	Head 1755	e'	39.6300	Relative Permittivity (ϵ_r):	39.63	40.08	-1.12	5
		e"	14.1600	Conductivity (σ):	1.38	1.37	0.73	5
4-21-2023	Head 1900	e'	39.1700	Relative Permittivity (ϵ_r):	39.17	40.00	-2.08	5
		e"	13.8200	Conductivity (σ):	1.46	1.40	4.29	5
	Head 1850	e'	39.3400	Relative Permittivity (ϵ_r):	39.34	40.00	-1.65	5
		e"	14.1000	Conductivity (σ):	1.45	1.40	3.60	5
	Head 1910	e'	39.1100	Relative Permittivity (ϵ_r):	39.11	40.00	-2.23	5
		e"	13.8300	Conductivity (σ):	1.47	1.40	4.91	5
4-21-2023	Head 2600	e'	40.5100	Relative Permittivity (ϵ_r):	40.51	39.01	3.84	5
		e"	13.2000	Conductivity (σ):	1.91	1.96	-2.75	5
	Head 2500	e'	40.8200	Relative Permittivity (ϵ_r):	40.82	39.14	4.30	5
		e"	13.0100	Conductivity (σ):	1.81	1.85	-2.46	5
	Head 2700	e'	40.2600	Relative Permittivity (ϵ_r):	40.26	38.88	3.54	5
		e"	13.1400	Conductivity (σ):	1.97	2.07	-4.71	5
4-25-2023	Head 1750	e'	40.9700	Relative Permittivity (ϵ_r):	40.97	40.08	2.21	5
		e"	14.0100	Conductivity (σ):	1.36	1.37	-0.42	5
	Head 1710	e'	41.0600	Relative Permittivity (ϵ_r):	41.06	40.15	2.28	5
		e"	14.2200	Conductivity (σ):	1.35	1.35	0.42	5
	Head 1755	e'	40.9600	Relative Permittivity (ϵ_r):	40.96	40.08	2.20	5
		e"	14.0800	Conductivity (σ):	1.37	1.37	0.16	5
4-25-2023	Head 1900	e'	40.8100	Relative Permittivity (ϵ_r):	40.81	40.00	2.03	5
		e"	13.6600	Conductivity (σ):	1.44	1.40	3.08	5
	Head 1850	e'	40.8400	Relative Permittivity (ϵ_r):	40.84	40.00	2.10	5
		e"	13.7800	Conductivity (σ):	1.42	1.40	1.25	5
	Head 1910	e'	40.8100	Relative Permittivity (ϵ_r):	40.81	40.00	2.03	5
		e"	13.6500	Conductivity (σ):	1.45	1.40	3.55	5
4-25-2023	Head 2600	e'	39.8900	Relative Permittivity (ϵ_r):	39.89	39.01	2.25	5
		e"	13.3500	Conductivity (σ):	1.93	1.96	-1.64	5
	Head 2500	e'	40.0400	Relative Permittivity (ϵ_r):	40.04	39.14	2.31	5
		e"	13.2900	Conductivity (σ):	1.85	1.85	-0.36	5
	Head 2700	e'	39.7000	Relative Permittivity (ϵ_r):	39.70	38.88	2.10	5
		e"	13.3600	Conductivity (σ):	2.01	2.07	-3.12	5

SAR 3 Room (Continued)

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
4-29-2023	Head 1900	e'	38.6300	Relative Permittivity (ε_r):	38.63	40.00	-3.42	5
		e"	13.7700	Conductivity (σ):	1.45	1.40	3.91	5
	Head 1850	e'	38.6400	Relative Permittivity (ε_r):	38.64	40.00	-3.40	5
		e"	13.8200	Conductivity (σ):	1.42	1.40	1.54	5
	Head 1910	e'	38.6400	Relative Permittivity (ε_r):	38.64	40.00	-3.40	5
		e"	13.7700	Conductivity (σ):	1.46	1.40	4.46	5
5-2-2023	head 2250	e'	39.0400	Relative Permittivity (ε_r):	39.04	39.56	-1.32	5
		e"	12.7600	Conductivity (σ):	1.60	1.62	-1.45	5
	head 2300	e'	38.9600	Relative Permittivity (ε_r):	38.96	39.47	-1.30	5
		e"	12.7700	Conductivity (σ):	1.63	1.66	-1.84	5
	head 2350	e'	38.8700	Relative Permittivity (ε_r):	38.87	39.38	-1.31	5
		e"	12.7700	Conductivity (σ):	1.67	1.71	-2.29	5
5-2-2023	Head 2450	e'	38.7400	Relative Permittivity (ε_r):	38.74	39.20	-1.17	5
		e"	12.7100	Conductivity (σ):	1.73	1.80	-3.81	5
	Head 2400	e'	38.7900	Relative Permittivity (ε_r):	38.79	39.30	-1.29	5
		e"	12.7300	Conductivity (σ):	1.70	1.75	-3.02	5
	Head 2480	e'	38.7200	Relative Permittivity (ε_r):	38.72	39.16	-1.13	5
		e"	12.7100	Conductivity (σ):	1.75	1.83	-4.35	5
5-4-2023	Head 1900	e'	38.4700	Relative Permittivity (ε_r):	38.47	40.00	-3.83	5
		e"	13.3400	Conductivity (σ):	1.41	1.40	0.67	5
	Head 1850	e'	38.4900	Relative Permittivity (ε_r):	38.49	40.00	-3.78	5
		e"	13.4800	Conductivity (σ):	1.39	1.40	-0.95	5
	Head 1910	e'	38.4700	Relative Permittivity (ε_r):	38.47	40.00	-3.83	5
		e"	13.3300	Conductivity (σ):	1.42	1.40	1.12	5
5-4-2023	Head 2600	e'	40.4100	Relative Permittivity (ε_r):	40.41	39.01	3.59	5
		e"	13.7300	Conductivity (σ):	1.98	1.96	1.16	5
	Head 2500	e'	40.5200	Relative Permittivity (ε_r):	40.52	39.14	3.53	5
		e"	13.6800	Conductivity (σ):	1.90	1.85	2.57	5
	Head 2700	e'	40.2500	Relative Permittivity (ε_r):	40.25	38.88	3.51	5
		e"	13.8100	Conductivity (σ):	2.07	2.07	0.15	5
5-9-2023	Head 2600	e'	40.1700	Relative Permittivity (ε_r):	40.17	39.01	2.97	5
		e"	13.3600	Conductivity (σ):	1.93	1.96	-1.57	5
	Head 2500	e'	40.3500	Relative Permittivity (ε_r):	40.35	39.14	3.10	5
		e"	13.1100	Conductivity (σ):	1.82	1.85	-1.71	5
	Head 2700	e'	39.9800	Relative Permittivity (ε_r):	39.98	38.88	2.82	5
		e"	13.4600	Conductivity (σ):	2.02	2.07	-2.39	5
5-18-2023	Head 2450	e'	38.8100	Relative Permittivity (ε_r):	38.81	39.20	-0.99	5
		e"	13.6100	Conductivity (σ):	1.85	1.80	3.00	5
	Head 2400	e'	38.9600	Relative Permittivity (ε_r):	38.96	39.30	-0.86	5
		e"	13.5700	Conductivity (σ):	1.81	1.75	3.38	5
	Head 2480	e'	38.7400	Relative Permittivity (ε_r):	38.74	39.16	-1.08	5
		e"	13.6200	Conductivity (σ):	1.88	1.83	2.49	5
5-22-2023	Head 2450	e'	39.0500	Relative Permittivity (ε_r):	39.05	39.20	-0.38	5
		e"	13.2300	Conductivity (σ):	1.80	1.80	0.13	5
	Head 2400	e'	39.2700	Relative Permittivity (ε_r):	39.27	39.30	-0.07	5
		e"	13.2600	Conductivity (σ):	1.77	1.75	1.02	5
	Head 2480	e'	38.9200	Relative Permittivity (ε_r):	38.92	39.16	-0.62	5
		e"	13.2200	Conductivity (σ):	1.82	1.83	-0.52	5

SAR 4 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
3-20-2023	Head 750	e'	41.6600	Relative Permittivity (ϵ_r):	41.66	41.96	-0.72	5
		e"	21.5300	Conductivity (σ):	0.90	0.89	0.53	5
	Head 680	e'	41.7100	Relative Permittivity (ϵ_r):	41.71	42.32	-1.44	5
		e"	22.7600	Conductivity (σ):	0.86	0.89	-3.06	5
	Head 790	e'	41.4500	Relative Permittivity (ϵ_r):	41.45	41.76	-0.73	5
		e"	20.6900	Conductivity (σ):	0.91	0.90	1.42	5
3-20-2023	Head 835	e'	41.2300	Relative Permittivity (ϵ_r):	41.23	41.50	-0.65	5
		e"	19.9300	Conductivity (σ):	0.93	0.90	2.81	5
	Head 820	e'	41.3000	Relative Permittivity (ϵ_r):	41.30	41.60	-0.73	5
		e"	20.1600	Conductivity (σ):	0.92	0.90	2.31	5
	Head 850	e'	41.1600	Relative Permittivity (ϵ_r):	41.16	41.50	-0.82	5
		e"	19.7000	Conductivity (σ):	0.93	0.92	1.76	5
3-24-2023	Head 750	e'	41.8800	Relative Permittivity (ϵ_r):	41.88	41.96	-0.19	5
		e"	22.1000	Conductivity (σ):	0.92	0.89	3.20	5
	Head 680	e'	41.9700	Relative Permittivity (ϵ_r):	41.97	42.32	-0.83	5
		e"	23.2400	Conductivity (σ):	0.88	0.89	-1.01	5
	Head 790	e'	41.6600	Relative Permittivity (ϵ_r):	41.66	41.76	-0.23	5
		e"	20.9200	Conductivity (σ):	0.92	0.90	2.54	5
3-24-2023	Head 835	e'	41.2000	Relative Permittivity (ϵ_r):	41.20	41.50	-0.72	5
		e"	19.8000	Conductivity (σ):	0.92	0.90	2.14	5
	Head 820	e'	41.3300	Relative Permittivity (ϵ_r):	41.33	41.60	-0.66	5
		e"	20.0700	Conductivity (σ):	0.92	0.90	1.85	5
	Head 850	e'	41.1300	Relative Permittivity (ϵ_r):	41.13	41.50	-0.89	5
		e"	19.6400	Conductivity (σ):	0.93	0.92	1.45	5
3-28-2023	Head 750	e'	41.0000	Relative Permittivity (ϵ_r):	41.00	41.96	-2.29	5
		e"	21.4900	Conductivity (σ):	0.90	0.89	0.35	5
	Head 680	e'	40.7700	Relative Permittivity (ϵ_r):	40.77	42.32	-3.66	5
		e"	22.3300	Conductivity (σ):	0.84	0.89	-4.89	5
	Head 790	e'	40.8500	Relative Permittivity (ϵ_r):	40.85	41.76	-2.17	5
		e"	20.6100	Conductivity (σ):	0.91	0.90	1.02	5
3-28-2023	Head 835	e'	40.4900	Relative Permittivity (ϵ_r):	40.49	41.50	-2.43	5
		e"	19.7300	Conductivity (σ):	0.92	0.90	1.78	5
	Head 820	e'	40.6000	Relative Permittivity (ϵ_r):	40.60	41.60	-2.41	5
		e"	19.9900	Conductivity (σ):	0.91	0.90	1.44	5
	Head 850	e'	40.3800	Relative Permittivity (ϵ_r):	40.38	41.50	-2.70	5
		e"	19.4800	Conductivity (σ):	0.92	0.92	0.62	5
4-3-2023	Head 750	e'	42.7400	Relative Permittivity (ϵ_r):	42.74	41.96	1.86	5
		e"	21.5200	Conductivity (σ):	0.90	0.89	0.49	5
	Head 680	e'	42.8600	Relative Permittivity (ϵ_r):	42.86	42.32	1.27	5
		e"	23.2000	Conductivity (σ):	0.88	0.89	-1.18	5
	Head 790	e'	42.4800	Relative Permittivity (ϵ_r):	42.48	41.76	1.73	5
		e"	20.6800	Conductivity (σ):	0.91	0.90	1.37	5
4-3-2023	Head 835	e'	42.4300	Relative Permittivity (ϵ_r):	42.43	41.50	2.24	5
		e"	19.8800	Conductivity (σ):	0.92	0.90	2.56	5
	Head 820	e'	42.4300	Relative Permittivity (ϵ_r):	42.43	41.60	1.99	5
		e"	20.1300	Conductivity (σ):	0.92	0.90	2.15	5
	Head 850	e'	42.4200	Relative Permittivity (ϵ_r):	42.42	41.50	2.22	5
		e"	19.6300	Conductivity (σ):	0.93	0.92	1.40	5
4-7-2023	Head 835	e'	41.9900	Relative Permittivity (ϵ_r):	41.99	41.50	1.18	5
		e"	20.0600	Conductivity (σ):	0.93	0.90	3.48	5
	Head 820	e'	42.0700	Relative Permittivity (ϵ_r):	42.07	41.60	1.12	5
		e"	20.2900	Conductivity (σ):	0.93	0.90	2.97	5
	Head 850	e'	41.9200	Relative Permittivity (ϵ_r):	41.92	41.50	1.01	5
		e"	19.8900	Conductivity (σ):	0.94	0.92	2.74	5
4-11-2023	Head 3500	e'	38.0500	Relative Permittivity (ϵ_r):	38.05	37.93	0.32	5
		e"	14.6500	Conductivity (σ):	2.85	2.91	-2.08	5
	Head 3600	e'	37.7100	Relative Permittivity (ϵ_r):	37.71	37.82	-0.28	5
		e"	14.5800	Conductivity (σ):	2.92	3.01	-3.17	5
	Head 3700	e'	37.4600	Relative Permittivity (ϵ_r):	37.46	37.70	-0.64	5
		e"	14.6800	Conductivity (σ):	3.02	3.12	-3.08	5
	Head 3800	e'	36.8300	Relative Permittivity (ϵ_r):	36.83	37.59	-2.01	5
		e"	14.9200	Conductivity (σ):	3.15	3.22	-2.05	5
	Head 3900	e'	36.3100	Relative Permittivity (ϵ_r):	36.31	37.47	-3.10	5
		e"	14.9400	Conductivity (σ):	3.24	3.32	-2.44	5
	Head 3950	e'	36.4100	Relative Permittivity (ϵ_r):	36.41	37.42	-2.69	5
		e"	14.9900	Conductivity (σ):	3.29	3.37	-2.36	5

SAR 4 Room (Continued)

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
4-15-2023	Head 3500	e'	39.2400	Relative Permittivity (ϵ_r):	39.24	37.93	3.45	5
		e"	14.9200	Conductivity (σ):	2.90	2.91	-0.27	5
	Head 3600	e'	39.2100	Relative Permittivity (ϵ_r):	39.21	37.82	3.69	5
		e"	14.8900	Conductivity (σ):	2.98	3.01	-1.11	5
	Head 3700	e'	38.7800	Relative Permittivity (ϵ_r):	38.78	37.70	2.86	5
		e"	14.7700	Conductivity (σ):	3.04	3.12	-2.49	5
	Head 3800	e'	38.4800	Relative Permittivity (ϵ_r):	38.48	37.59	2.37	5
		e"	14.9500	Conductivity (σ):	3.16	3.22	-1.86	5
	Head 3900	e'	38.0900	Relative Permittivity (ϵ_r):	38.09	37.47	1.65	5
		e"	15.0600	Conductivity (σ):	3.27	3.32	-1.66	5
	Head 3950	e'	37.9000	Relative Permittivity (ϵ_r):	37.90	37.42	1.29	5
		e"	15.0500	Conductivity (σ):	3.31	3.37	-1.97	5
4-19-2023	Head 3500	e'	38.2600	Relative Permittivity (ϵ_r):	38.26	37.93	0.87	5
		e"	14.8600	Conductivity (σ):	2.89	2.91	-0.68	5
	Head 3600	e'	37.9200	Relative Permittivity (ϵ_r):	37.92	37.82	0.28	5
		e"	14.7900	Conductivity (σ):	2.96	3.01	-1.77	5
	Head 3700	e'	37.6600	Relative Permittivity (ϵ_r):	37.66	37.70	-0.11	5
		e"	14.8900	Conductivity (σ):	3.06	3.12	-1.70	5
	Head 3800	e'	37.0400	Relative Permittivity (ϵ_r):	37.04	37.59	-1.46	5
		e"	15.1300	Conductivity (σ):	3.20	3.22	-0.67	5
	Head 3900	e'	36.5200	Relative Permittivity (ϵ_r):	36.52	37.47	-2.54	5
		e"	15.1500	Conductivity (σ):	3.29	3.32	-1.07	5
	Head 3950	e'	36.6200	Relative Permittivity (ϵ_r):	36.62	37.42	-2.13	5
		e"	15.2000	Conductivity (σ):	3.34	3.37	-1.00	5
4-24-2023	Head 3500	e'	39.2900	Relative Permittivity (ϵ_r):	39.29	37.93	3.59	5
		e"	15.1300	Conductivity (σ):	2.94	2.91	1.13	5
	Head 3600	e'	38.7500	Relative Permittivity (ϵ_r):	38.75	37.82	2.47	5
		e"	14.9800	Conductivity (σ):	3.00	3.01	-0.51	5
	Head 3700	e'	38.2200	Relative Permittivity (ϵ_r):	38.22	37.70	1.38	5
		e"	14.9200	Conductivity (σ):	3.07	3.12	-1.50	5
	Head 3800	e'	37.3600	Relative Permittivity (ϵ_r):	37.36	37.59	-0.60	5
		e"	14.9600	Conductivity (σ):	3.16	3.22	-1.79	5
	Head 3900	e'	36.4200	Relative Permittivity (ϵ_r):	36.42	37.47	-2.81	5
		e"	15.1600	Conductivity (σ):	3.29	3.32	-1.01	5
	Head 3950	e'	36.4900	Relative Permittivity (ϵ_r):	36.49	37.42	-2.48	5
		e"	15.1200	Conductivity (σ):	3.32	3.37	-1.52	5
4-26-2023	Head 2250	e'	39.7300	Relative Permittivity (ϵ_r):	39.73	39.56	0.43	5
		e"	13.1300	Conductivity (σ):	1.64	1.62	1.41	5
	Head 2300	e'	39.6900	Relative Permittivity (ϵ_r):	39.69	39.47	0.55	5
		e"	13.1000	Conductivity (σ):	1.68	1.66	0.70	5
	Head 2350	e'	39.6400	Relative Permittivity (ϵ_r):	39.64	39.38	0.65	5
		e"	13.0900	Conductivity (σ):	1.71	1.71	0.16	5
4-26-2023	Head 2450	e'	39.4800	Relative Permittivity (ϵ_r):	39.48	39.20	0.71	5
		e"	12.9200	Conductivity (σ):	1.76	1.80	-2.22	5
	Head 2400	e'	39.5400	Relative Permittivity (ϵ_r):	39.54	39.30	0.62	5
		e"	13.0100	Conductivity (σ):	1.74	1.75	-0.88	5
	Head 2480	e'	39.4600	Relative Permittivity (ϵ_r):	39.46	39.16	0.76	5
		e"	12.8600	Conductivity (σ):	1.77	1.83	-3.22	5
5-1-2023	Head 3500	e'	38.0100	Relative Permittivity (ϵ_r):	38.01	37.93	0.21	5
		e"	15.1300	Conductivity (σ):	2.94	2.91	1.13	5
	Head 3600	e'	37.8400	Relative Permittivity (ϵ_r):	37.84	37.82	0.06	5
		e"	14.9500	Conductivity (σ):	2.99	3.01	-0.71	5
	Head 3700	e'	37.3000	Relative Permittivity (ϵ_r):	37.30	37.70	-1.06	5
		e"	14.9000	Conductivity (σ):	3.07	3.12	-1.63	5
	Head 3800	e'	36.9100	Relative Permittivity (ϵ_r):	36.91	37.59	-1.80	5
		e"	15.0300	Conductivity (σ):	3.18	3.22	-1.33	5
	Head 3900	e'	36.3600	Relative Permittivity (ϵ_r):	36.36	37.47	-2.97	5
		e"	15.3300	Conductivity (σ):	3.32	3.32	0.11	5
	Head 3950	e'	36.1000	Relative Permittivity (ϵ_r):	36.10	37.42	-3.52	5
		e"	15.4600	Conductivity (σ):	3.40	3.37	0.70	5
5-9-2023	Head 3500	e'	38.1600	Relative Permittivity (ϵ_r):	38.16	37.93	0.61	5
		e"	15.1700	Conductivity (σ):	2.95	2.91	1.40	5
	Head 3600	e'	37.9300	Relative Permittivity (ϵ_r):	37.93	37.82	0.30	5
		e"	15.2100	Conductivity (σ):	3.04	3.01	1.02	5
	Head 3700	e'	37.6900	Relative Permittivity (ϵ_r):	37.69	37.70	-0.03	5
		e"	15.3000	Conductivity (σ):	3.15	3.12	1.01	5
	Head 3800	e'	37.1700	Relative Permittivity (ϵ_r):	37.17	37.59	-1.11	5
		e"	15.6000	Conductivity (σ):	3.30	3.22	2.41	5
	Head 3900	e'	36.7600	Relative Permittivity (ϵ_r):	36.76	37.47	-1.90	5
		e"	15.7300	Conductivity (σ):	3.41	3.32	2.72	5
	Head 3950	e'	36.7900	Relative Permittivity (ϵ_r):	36.79	37.42	-1.67	5
		e"	15.8600	Conductivity (σ):	3.48	3.37	3.30	5
5-22-2023	Head 2450	e'	38.1500	Relative Permittivity (ϵ_r):	38.15	39.20	-2.68	5
		e"	13.6300	Conductivity (σ):	1.86	1.80	3.15	5
	Head 2400	e'	38.2600	Relative Permittivity (ϵ_r):	38.26	39.30	-2.64	5
		e"	13.7100	Conductivity (σ):	1.83	1.75	4.45	5
	Head 2480	e'	38.1000	Relative Permittivity (ϵ_r):	38.10	39.16	-2.71	5
		e"	13.5800	Conductivity (σ):	1.87	1.83	2.19	5

SAR 5 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
3-20-2023	Head 2200	e'	38.6700	Relative Permittivity (ϵ_r):	38.67	39.65	-2.47	5
		e"	12.6300	Conductivity (σ):	1.54	1.58	-1.96	5
	Head 2300	e'	38.4000	Relative Permittivity (ϵ_r):	38.40	39.47	-2.72	5
		e"	12.8200	Conductivity (σ):	1.64	1.66	-1.46	5
	Head 2400	e'	38.1800	Relative Permittivity (ϵ_r):	38.18	39.30	-2.84	5
		e"	12.9000	Conductivity (σ):	1.72	1.75	-1.72	5
3-23-2023	Head 2200	e'	40.4600	Relative Permittivity (ϵ_r):	40.46	39.65	2.05	5
		e"	13.1700	Conductivity (σ):	1.61	1.58	2.24	5
	Head 2300	e'	40.7300	Relative Permittivity (ϵ_r):	40.73	39.47	3.19	5
		e"	12.9200	Conductivity (σ):	1.65	1.66	-0.69	5
	Head 2400	e'	40.5000	Relative Permittivity (ϵ_r):	40.50	39.30	3.06	5
		e"	13.2600	Conductivity (σ):	1.77	1.75	1.02	5
3-27-2023	Head 2200	e'	38.8500	Relative Permittivity (ϵ_r):	38.85	39.65	-2.01	5
		e"	13.4900	Conductivity (σ):	1.65	1.58	4.72	5
	Head 2300	e'	38.7900	Relative Permittivity (ϵ_r):	38.79	39.47	-1.73	5
		e"	13.4900	Conductivity (σ):	1.73	1.66	3.69	5
	Head 2400	e'	38.5000	Relative Permittivity (ϵ_r):	38.50	39.30	-2.03	5
		e"	13.4300	Conductivity (σ):	1.79	1.75	2.32	5
3-27-2023	Head 2600	e'	38.2500	Relative Permittivity (ϵ_r):	38.25	39.01	-1.95	5
		e"	13.1300	Conductivity (σ):	1.90	1.96	-3.26	5
	Head 2500	e'	38.4300	Relative Permittivity (ϵ_r):	38.43	39.14	-1.81	5
		e"	13.1500	Conductivity (σ):	1.83	1.85	-1.41	5
	Head 2700	e'	38.0100	Relative Permittivity (ϵ_r):	38.01	38.88	-2.25	5
		e"	13.1900	Conductivity (σ):	1.98	2.07	-4.35	5
4-3-2023	Head 2200	e'	39.1200	Relative Permittivity (ϵ_r):	39.12	39.65	-1.33	5
		e"	13.1700	Conductivity (σ):	1.61	1.58	2.24	5
	Head 2300	e'	39.2100	Relative Permittivity (ϵ_r):	39.21	39.47	-0.67	5
		e"	13.0100	Conductivity (σ):	1.66	1.66	0.00	5
	Head 2400	e'	39.0600	Relative Permittivity (ϵ_r):	39.06	39.30	-0.60	5
		e"	13.0400	Conductivity (σ):	1.74	1.75	-0.66	5
4-3-2023	Head 2600	e'	38.4400	Relative Permittivity (ϵ_r):	38.44	39.01	-1.46	5
		e"	13.5900	Conductivity (σ):	1.96	1.96	0.13	5
	Head 2500	e'	38.6300	Relative Permittivity (ϵ_r):	38.63	39.14	-1.30	5
		e"	13.7800	Conductivity (σ):	1.92	1.85	3.32	5
	Head 2700	e'	38.1900	Relative Permittivity (ϵ_r):	38.19	38.88	-1.79	5
		e"	13.6700	Conductivity (σ):	2.05	2.07	-0.87	5
4-7-2023	Head 2600	e'	39.8100	Relative Permittivity (ϵ_r):	39.81	39.01	2.05	5
		e"	13.2000	Conductivity (σ):	1.91	1.96	-2.75	5
	Head 2500	e'	39.9100	Relative Permittivity (ϵ_r):	39.91	39.14	1.98	5
		e"	13.2400	Conductivity (σ):	1.84	1.85	-0.73	5
	Head 2700	e'	39.6200	Relative Permittivity (ϵ_r):	39.62	38.88	1.89	5
		e"	13.3000	Conductivity (σ):	2.00	2.07	-3.55	5
4-11-2023	Head 3500	e'	38.1600	Relative Permittivity (ϵ_r):	38.16	37.93	0.61	5
		e"	14.9100	Conductivity (σ):	2.90	2.91	-0.34	5
	Head 3600	e'	37.8200	Relative Permittivity (ϵ_r):	37.82	37.82	0.01	5
		e"	14.9600	Conductivity (σ):	2.99	3.01	-0.64	5
	Head 3700	e'	37.3800	Relative Permittivity (ϵ_r):	37.38	37.70	-0.85	5
		e"	14.9000	Conductivity (σ):	3.07	3.12	-1.63	5
	Head 3800	e'	36.9600	Relative Permittivity (ϵ_r):	36.96	37.59	-1.67	5
		e"	14.9600	Conductivity (σ):	3.16	3.22	-1.79	5
	Head 3900	e'	36.6400	Relative Permittivity (ϵ_r):	36.64	37.47	-2.22	5
		e"	14.9100	Conductivity (σ):	3.23	3.32	-2.64	5
	Head 3950	e'	36.4600	Relative Permittivity (ϵ_r):	36.46	37.42	-2.56	5
		e"	14.9800	Conductivity (σ):	3.29	3.37	-2.43	5
4-15-2023	Head 3500	e'	38.6000	Relative Permittivity (ϵ_r):	38.60	37.93	1.77	5
		e"	15.1600	Conductivity (σ):	2.95	2.91	1.33	5
	Head 3600	e'	38.4200	Relative Permittivity (ϵ_r):	38.42	37.82	1.60	5
		e"	15.0200	Conductivity (σ):	3.01	3.01	-0.24	5
	Head 3700	e'	37.8800	Relative Permittivity (ϵ_r):	37.88	37.70	0.47	5
		e"	15.1300	Conductivity (σ):	3.11	3.12	-0.11	5
	Head 3800	e'	37.4500	Relative Permittivity (ϵ_r):	37.45	37.59	-0.37	5
		e"	15.2100	Conductivity (σ):	3.21	3.22	-0.15	5
	Head 3900	e'	37.0200	Relative Permittivity (ϵ_r):	37.02	37.47	-1.21	5
		e"	15.3500	Conductivity (σ):	3.33	3.32	0.24	5
	Head 3950	e'	36.6600	Relative Permittivity (ϵ_r):	36.66	37.42	-2.02	5
		e"	15.4400	Conductivity (σ):	3.39	3.37	0.57	5
4-18-2023	Head 835	e'	42.0700	Relative Permittivity (ϵ_r):	42.07	41.50	1.37	5
		e"	19.6500	Conductivity (σ):	0.91	0.90	1.37	5
	Head 820	e'	42.3500	Relative Permittivity (ϵ_r):	42.35	41.60	1.80	5
		e"	20.1100	Conductivity (σ):	0.92	0.90	2.05	5
	Head 850	e'	41.7400	Relative Permittivity (ϵ_r):	41.74	41.50	0.58	5
		e"	19.2500	Conductivity (σ):	0.91	0.92	-0.57	5
5-22-2023	Head 2450	e'	40.1000	Relative Permittivity (ϵ_r):	40.10	39.20	2.30	5
		e"	12.8700	Conductivity (σ):	1.75	1.80	-2.60	5
	Head 2400	e'	40.2200	Relative Permittivity (ϵ_r):	40.22	39.30	2.35	5
		e"	12.9900	Conductivity (σ):	1.73	1.75	-1.04	5
	Head 2480	e'	40.0600	Relative Permittivity (ϵ_r):	40.06	39.16	2.29	5
		e"	12.8200	Conductivity (σ):	1.77	1.83	-3.53	5

SAR 6 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
4-7-2023	Head 5250	e'	35.4300	Relative Permittivity (ϵ_r):	35.43	35.93	-1.40	5
		e"	15.9200	Conductivity (σ):	4.65	4.70	-1.17	5
	Head 5260	e'	35.4000	Relative Permittivity (ϵ_r):	35.40	35.92	-1.45	5
		e"	15.9300	Conductivity (σ):	4.66	4.71	-1.13	5
	Head 5600	e'	34.7100	Relative Permittivity (ϵ_r):	34.71	35.53	-2.32	5
		e"	16.3000	Conductivity (σ):	5.08	5.06	0.30	5
	Head 5750	e'	34.4900	Relative Permittivity (ϵ_r):	34.49	35.36	-2.47	5
		e"	16.3700	Conductivity (σ):	5.23	5.21	0.38	5
	Head 5825	e'	34.3900	Relative Permittivity (ϵ_r):	34.39	35.30	-2.58	5
		e"	16.4500	Conductivity (σ):	5.33	5.27	1.10	5
	Head 5925	e'	34.2400	Relative Permittivity (ϵ_r):	34.24	35.20	-2.73	5
		e"	16.4900	Conductivity (σ):	5.43	5.40	0.60	5
4-11-2023	Head 5200	e'	36.7400	Relative Permittivity (ϵ_r):	36.74	35.99	2.08	5
		e"	15.9400	Conductivity (σ):	4.61	4.65	-0.91	5
	Head 5250	e'	36.7000	Relative Permittivity (ϵ_r):	36.70	35.93	2.13	5
		e"	15.9500	Conductivity (σ):	4.66	4.70	-0.98	5
	Head 5600	e'	36.4900	Relative Permittivity (ϵ_r):	36.49	35.53	2.69	5
		e"	15.9300	Conductivity (σ):	4.96	5.06	-1.98	5
	Head 5750	e'	36.0500	Relative Permittivity (ϵ_r):	36.05	35.36	1.94	5
		e"	16.0300	Conductivity (σ):	5.13	5.21	-1.70	5
	Head 5800	e'	35.9400	Relative Permittivity (ϵ_r):	35.94	35.30	1.81	5
		e"	16.0500	Conductivity (σ):	5.18	5.27	-1.78	
	Head 5925	e'	35.5900	Relative Permittivity (ϵ_r):	35.59	35.20	1.11	5
		e"	16.0600	Conductivity (σ):	5.29	5.40	-2.02	5
4-25-2023	Head 5250	e'	36.5700	Relative Permittivity (ϵ_r):	36.57	35.93	1.77	5
		e"	15.9000	Conductivity (σ):	4.64	4.70	-1.29	5
	Head 5260	e'	36.6200	Relative Permittivity (ϵ_r):	36.62	35.92	1.94	5
		e"	15.9100	Conductivity (σ):	4.65	4.71	-1.25	5
	Head 5600	e'	36.9400	Relative Permittivity (ϵ_r):	36.94	35.53	3.96	5
		e"	15.8700	Conductivity (σ):	4.94	5.06	-2.35	5
	Head 5750	e'	36.5000	Relative Permittivity (ϵ_r):	36.50	35.36	3.22	5
		e"	15.8800	Conductivity (σ):	5.08	5.21	-2.62	5
	Head 5825	e'	36.2900	Relative Permittivity (ϵ_r):	36.29	35.30	2.80	5
		e"	15.7400	Conductivity (σ):	5.10	5.27	-3.26	5
	Head 5925	e'	35.8700	Relative Permittivity (ϵ_r):	35.87	35.20	1.90	5
		e"	15.8500	Conductivity (σ):	5.22	5.40	-3.30	5
5-1-2023	Head 5250	e'	36.4400	Relative Permittivity (ϵ_r):	36.44	35.93	1.41	5
		e"	16.2100	Conductivity (σ):	4.73	4.70	0.63	5
	Head 5260	e'	36.4500	Relative Permittivity (ϵ_r):	36.45	35.92	1.47	5
		e"	16.2000	Conductivity (σ):	4.74	4.71	0.54	5
	Head 5600	e'	36.6100	Relative Permittivity (ϵ_r):	36.61	35.53	3.03	5
		e"	15.9800	Conductivity (σ):	4.98	5.06	-1.67	5
	Head 5750	e'	36.1500	Relative Permittivity (ϵ_r):	36.15	35.36	2.23	5
		e"	15.9900	Conductivity (σ):	5.11	5.21	-1.95	5
	Head 5825	e'	35.9100	Relative Permittivity (ϵ_r):	35.91	35.30	1.73	5
		e"	15.9900	Conductivity (σ):	5.18	5.27	-1.73	5
	Head 5925	e'	35.4800	Relative Permittivity (ϵ_r):	35.48	35.20	0.80	5
		e"	16.0000	Conductivity (σ):	5.27	5.40	-2.39	5
5-8-2023	Head 5250	e'	36.0800	Relative Permittivity (ϵ_r):	36.08	35.93	0.41	5
		e"	15.8000	Conductivity (σ):	4.61	4.70	-1.91	5
	Head 5260	e'	36.0500	Relative Permittivity (ϵ_r):	36.05	35.92	0.36	5
		e"	15.8000	Conductivity (σ):	4.62	4.71	-1.94	5
	Head 5600	e'	35.0300	Relative Permittivity (ϵ_r):	35.03	35.53	-1.42	5
		e"	16.1700	Conductivity (σ):	5.03	5.06	-0.50	5
	Head 5750	e'	34.7000	Relative Permittivity (ϵ_r):	34.70	35.36	-1.87	5
		e"	16.3200	Conductivity (σ):	5.22	5.21	0.08	5
	Head 5825	e'	34.5700	Relative Permittivity (ϵ_r):	34.57	35.30	-2.07	5
		e"	16.3800	Conductivity (σ):	5.31	5.27	0.67	5
	Head 5925	e'	34.4200	Relative Permittivity (ϵ_r):	34.42	35.20	-2.22	5
		e"	16.4500	Conductivity (σ):	5.42	5.40	0.36	5

SAR 7 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
3-21-2023	head 2250	e'	38.5600	Relative Permittivity (ϵ_r):	38.56	39.56	-2.53	5
		e"	13.5200	Conductivity (σ):	1.69	1.62	4.42	5
	head 2300	e'	38.4000	Relative Permittivity (ϵ_r):	38.40	39.47	-2.72	5
		e"	13.4600	Conductivity (σ):	1.72	1.66	3.46	5
	head 2350	e'	38.4100	Relative Permittivity (ϵ_r):	38.41	39.38	-2.47	5
		e"	13.4000	Conductivity (σ):	1.75	1.71	2.53	5
3-21-2023	Head 2600	e'	38.1500	Relative Permittivity (ϵ_r):	38.15	39.01	-2.21	5
		e"	13.2500	Conductivity (σ):	1.92	1.96	-2.38	5
	Head 2500	e'	38.2300	Relative Permittivity (ϵ_r):	38.23	39.14	-2.32	5
		e"	13.3500	Conductivity (σ):	1.86	1.85	0.09	5
	Head 2700	e'	37.9900	Relative Permittivity (ϵ_r):	37.99	38.88	-2.30	5
		e"	13.2800	Conductivity (σ):	1.99	2.07	-3.70	5
3-27-2023	head 2250	e'	39.1400	Relative Permittivity (ϵ_r):	39.14	39.56	-1.06	5
		e"	13.5500	Conductivity (σ):	1.70	1.62	4.66	5
	head 2300	e'	38.9800	Relative Permittivity (ϵ_r):	38.98	39.47	-1.25	5
		e"	13.5800	Conductivity (σ):	1.74	1.66	4.39	5
	head 2350	e'	38.8800	Relative Permittivity (ϵ_r):	38.88	39.38	-1.28	5
		e"	13.6400	Conductivity (σ):	1.78	1.71	4.37	5
3-27-2023	Head 2600	e'	38.3800	Relative Permittivity (ϵ_r):	38.38	39.01	-1.62	5
		e"	13.7700	Conductivity (σ):	1.99	1.96	1.45	5
	Head 2500	e'	38.6600	Relative Permittivity (ϵ_r):	38.66	39.14	-1.22	5
		e"	13.6900	Conductivity (σ):	1.90	1.85	2.64	5
	Head 2700	e'	38.1900	Relative Permittivity (ϵ_r):	38.19	38.88	-1.79	5
		e"	13.8800	Conductivity (σ):	2.08	2.07	0.65	5
3-30-2023	Head 2450	e'	37.9500	Relative Permittivity (ϵ_r):	37.95	39.20	-3.19	5
		e"	13.0400	Conductivity (σ):	1.78	1.80	-1.31	5
	Head 2410	e'	37.8900	Relative Permittivity (ϵ_r):	37.89	39.28	-3.54	5
		e"	13.3100	Conductivity (σ):	1.78	1.76	1.31	5
	Head 2475	e'	37.7800	Relative Permittivity (ϵ_r):	37.78	39.17	-3.54	5
		e"	12.9000	Conductivity (σ):	1.78	1.83	-2.83	5
4-3-2023	Head 2450	e'	40.2800	Relative Permittivity (ϵ_r):	40.28	39.20	2.76	5
		e"	12.9700	Conductivity (σ):	1.77	1.80	-1.84	5
	Head 2400	e'	40.4000	Relative Permittivity (ϵ_r):	40.40	39.30	2.81	5
		e"	12.9400	Conductivity (σ):	1.73	1.75	-1.42	5
	Head 2480	e'	40.2200	Relative Permittivity (ϵ_r):	40.22	39.16	2.70	5
		e"	12.9900	Conductivity (σ):	1.79	1.83	-2.25	5
4-3-2023	Head 2600	e'	40.1500	Relative Permittivity (ϵ_r):	40.15	39.01	2.92	5
		e"	13.1200	Conductivity (σ):	1.90	1.96	-3.33	5
	Head 2500	e'	40.1900	Relative Permittivity (ϵ_r):	40.19	39.14	2.69	5
		e"	13.0100	Conductivity (σ):	1.81	1.85	-2.46	5
	Head 2700	e'	40.0500	Relative Permittivity (ϵ_r):	40.05	38.88	3.00	5
		e"	13.1900	Conductivity (σ):	1.98	2.07	-4.35	5
4-7-2023	Head 2600	e'	38.3000	Relative Permittivity (ϵ_r):	38.30	39.01	-1.82	5
		e"	13.2700	Conductivity (σ):	1.92	1.96	-2.23	5
	Head 2500	e'	38.3900	Relative Permittivity (ϵ_r):	38.39	39.14	-1.91	5
		e"	13.2300	Conductivity (σ):	1.84	1.85	-0.81	5
	Head 2700	e'	38.1500	Relative Permittivity (ϵ_r):	38.15	38.88	-1.89	5
		e"	13.3600	Conductivity (σ):	2.01	2.07	-3.12	5
4-11-2023	Head 2600	e'	39.3900	Relative Permittivity (ϵ_r):	39.39	39.01	0.97	5
		e"	13.2900	Conductivity (σ):	1.92	1.96	-2.08	5
	Head 2500	e'	39.7700	Relative Permittivity (ϵ_r):	39.77	39.14	1.62	5
		e"	13.2200	Conductivity (σ):	1.84	1.85	-0.88	5
	Head 2700	e'	39.1000	Relative Permittivity (ϵ_r):	39.10	38.88	0.55	5
		e"	13.4600	Conductivity (σ):	2.02	2.07	-2.39	5
4-17-2023	Head 2600	e'	37.6700	Relative Permittivity (ϵ_r):	37.67	39.01	-3.44	5
		e"	13.2900	Conductivity (σ):	1.92	1.96	-2.08	5
	Head 2500	e'	38.0400	Relative Permittivity (ϵ_r):	38.04	39.14	-2.80	5
		e"	13.2200	Conductivity (σ):	1.84	1.85	-0.88	5
	Head 2700	e'	37.3700	Relative Permittivity (ϵ_r):	37.37	38.88	-3.90	5
		e"	13.4600	Conductivity (σ):	2.02	2.07	-2.39	5
4-21-2023	Head 2600	e'	39.7000	Relative Permittivity (ϵ_r):	39.70	39.01	1.77	5
		e"	13.3300	Conductivity (σ):	1.93	1.96	-1.79	5
	Head 2500	e'	39.8600	Relative Permittivity (ϵ_r):	39.86	39.14	1.85	5
		e"	13.3300	Conductivity (σ):	1.85	1.85	-0.06	5
	Head 2700	e'	39.4700	Relative Permittivity (ϵ_r):	39.47	38.88	1.51	5
		e"	13.4300	Conductivity (σ):	2.02	2.07	-2.61	5

SAR 7 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
4-25-2023	Head 13	e'	57.06	Relative Permittivity (ϵ_r):	57.06	55.00	3.75	5
		e"	1069.00	Conductivity (σ):	0.77	0.75	3.03	5
	Head 12	e'	57.07	Relative Permittivity (ϵ_r):	57.07	55.00	3.76	5
		e"	1158.00	Conductivity (σ):	0.77	0.75	3.02	5
	Head 14	e'	57.04	Relative Permittivity (ϵ_r):	57.04	55.00	3.71	5
		e"	992.04	Conductivity (σ):	0.77	0.75	2.97	5
4-26-2023	Head 2600	e'	39.5100	Relative Permittivity (ϵ_r):	39.51	39.01	1.28	5
		e"	13.2100	Conductivity (σ):	1.91	1.96	-2.67	5
	Head 2500	e'	39.8700	Relative Permittivity (ϵ_r):	39.87	39.14	1.87	5
		e"	13.1000	Conductivity (σ):	1.82	1.85	-1.78	5
	Head 2700	e'	39.2700	Relative Permittivity (ϵ_r):	39.27	38.88	0.99	5
		e"	13.2800	Conductivity (σ):	1.99	2.07	-3.70	5
5-1-2023	Head 2600	e'	39.8000	Relative Permittivity (ϵ_r):	39.80	39.01	2.02	5
		e"	13.7500	Conductivity (σ):	1.99	1.96	1.31	5
	Head 2500	e'	40.0100	Relative Permittivity (ϵ_r):	40.01	39.14	2.23	5
		e"	13.8500	Conductivity (σ):	1.93	1.85	3.84	5
	Head 2700	e'	39.5500	Relative Permittivity (ϵ_r):	39.55	38.88	1.71	5
		e"	13.7300	Conductivity (σ):	2.06	2.07	-0.44	5
5-10-2023	Head 2450	e'	39.3100	Relative Permittivity (ϵ_r):	39.31	39.20	0.28	5
		e"	13.4100	Conductivity (σ):	1.83	1.80	1.49	5
	Head 2400	e'	39.3800	Relative Permittivity (ϵ_r):	39.38	39.30	0.21	5
		e"	13.5800	Conductivity (σ):	1.81	1.75	3.46	5
	Head 2480	e'	39.2500	Relative Permittivity (ϵ_r):	39.25	39.16	0.22	5
		e"	13.4500	Conductivity (σ):	1.85	1.83	1.22	5
5-10-2023	Head 2600	e'	39.0500	Relative Permittivity (ϵ_r):	39.05	39.01	0.10	5
		e"	13.6300	Conductivity (σ):	1.97	1.96	0.42	5
	Head 2500	e'	39.2300	Relative Permittivity (ϵ_r):	39.23	39.14	0.24	5
		e"	13.5100	Conductivity (σ):	1.88	1.85	1.29	5
	Head 2700	e'	38.8500	Relative Permittivity (ϵ_r):	38.85	38.88	-0.09	5
		e"	13.8200	Conductivity (σ):	2.07	2.07	0.22	5
5-22-2023	Head 2450	e'	39.7000	Relative Permittivity (ϵ_r):	39.70	39.20	1.28	5
		e"	13.4000	Conductivity (σ):	1.83	1.80	1.41	5
	Head 2400	e'	39.7600	Relative Permittivity (ϵ_r):	39.76	39.30	1.18	5
		e"	13.4400	Conductivity (σ):	1.79	1.75	2.39	5
	Head 2480	e'	39.6700	Relative Permittivity (ϵ_r):	39.67	39.16	1.30	5
		e"	13.4000	Conductivity (σ):	1.85	1.83	0.84	5

SAR 9 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
3-22-2023	Head 1750	e'	41.4700	Relative Permittivity (ϵ_r):	41.47	40.08	3.46	5
		e"	13.5600	Conductivity (σ):	1.32	1.37	-3.62	5
	Head 1710	e'	41.5900	Relative Permittivity (ϵ_r):	41.59	40.15	3.60	5
		e"	13.6800	Conductivity (σ):	1.30	1.35	-3.39	5
	Head 1755	e'	41.4600	Relative Permittivity (ϵ_r):	41.46	40.08	3.45	5
		e"	13.5400	Conductivity (σ):	1.32	1.37	-3.68	5
3-22-2023	Head 1900	e'	41.4200	Relative Permittivity (ϵ_r):	41.42	40.00	3.55	5
		e"	13.3000	Conductivity (σ):	1.41	1.40	0.36	5
	Head 1850	e'	41.4100	Relative Permittivity (ϵ_r):	41.41	40.00	3.52	5
		e"	13.2200	Conductivity (σ):	1.36	1.40	-2.87	5
	Head 1910	e'	41.4100	Relative Permittivity (ϵ_r):	41.41	40.00	3.52	5
		e"	13.2300	Conductivity (σ):	1.41	1.40	0.36	5
3-27-2023	Head 1750	e'	39.3800	Relative Permittivity (ϵ_r):	39.38	40.08	-1.76	5
		e"	13.6900	Conductivity (σ):	1.33	1.37	-2.69	5
	Head 1710	e'	39.4900	Relative Permittivity (ϵ_r):	39.49	40.15	-1.63	5
		e"	13.8100	Conductivity (σ):	1.31	1.35	-2.48	5
	Head 1755	e'	39.3600	Relative Permittivity (ϵ_r):	39.36	40.08	-1.79	5
		e"	13.6800	Conductivity (σ):	1.33	1.37	-2.69	5
3-27-2023	Head 1900	e'	39.1600	Relative Permittivity (ϵ_r):	39.16	40.00	-2.10	5
		e"	13.4100	Conductivity (σ):	1.42	1.40	1.19	5
	Head 1850	e'	39.2200	Relative Permittivity (ϵ_r):	39.22	40.00	-1.95	5
		e"	13.5400	Conductivity (σ):	1.39	1.40	-0.51	5
	Head 1910	e'	39.1500	Relative Permittivity (ϵ_r):	39.15	40.00	-2.13	5
		e"	13.4100	Conductivity (σ):	1.42	1.40	1.73	5
4-3-2023	Head 1750	e'	38.6700	Relative Permittivity (ϵ_r):	38.67	40.08	-3.53	5
		e"	13.6700	Conductivity (σ):	1.33	1.37	-2.83	5
	Head 1710	e'	38.7200	Relative Permittivity (ϵ_r):	38.72	40.15	-3.55	5
		e"	13.7400	Conductivity (σ):	1.31	1.35	-2.97	5
	Head 1755	e'	38.6700	Relative Permittivity (ϵ_r):	38.67	40.08	-3.51	5
		e"	13.6600	Conductivity (σ):	1.33	1.37	-2.83	5
4-3-2023	Head 1900	e'	38.5400	Relative Permittivity (ϵ_r):	38.54	40.00	-3.65	5
		e"	13.3300	Conductivity (σ):	1.41	1.40	0.59	5
	Head 1850	e'	38.5800	Relative Permittivity (ϵ_r):	38.58	40.00	-3.55	5
		e"	13.4000	Conductivity (σ):	1.38	1.40	-1.54	5
	Head 1910	e'	38.5300	Relative Permittivity (ϵ_r):	38.53	40.00	-3.68	5
		e"	13.3300	Conductivity (σ):	1.42	1.40	1.12	5
4-7-2023	Head 1750	e'	40.0300	Relative Permittivity (ϵ_r):	40.03	40.08	-0.14	5
		e"	13.5100	Conductivity (σ):	1.31	1.37	-3.97	5
	Head 1710	e'	40.1100	Relative Permittivity (ϵ_r):	40.11	40.15	-0.09	5
		e"	13.6400	Conductivity (σ):	1.30	1.35	-3.68	5
	Head 1755	e'	40.0100	Relative Permittivity (ϵ_r):	40.01	40.08	-0.17	5
		e"	13.4800	Conductivity (σ):	1.32	1.37	-4.11	5
4-7-2023	Head 1900	e'	39.8900	Relative Permittivity (ϵ_r):	39.89	40.00	-0.27	5
		e"	13.0700	Conductivity (σ):	1.38	1.40	-1.37	5
	Head 1850	e'	39.8600	Relative Permittivity (ϵ_r):	39.86	40.00	-0.35	5
		e"	13.2000	Conductivity (σ):	1.36	1.40	-3.01	5
	Head 1910	e'	39.8900	Relative Permittivity (ϵ_r):	39.89	40.00	-0.27	5
		e"	13.0500	Conductivity (σ):	1.39	1.40	-1.00	5
4-10-2023	Head 2450	e'	39.0800	Relative Permittivity (ϵ_r):	39.08	39.20	-0.31	5
		e"	13.1500	Conductivity (σ):	1.79	1.80	-0.48	5
	Head 2410	e'	39.1600	Relative Permittivity (ϵ_r):	39.16	39.28	-0.30	5
		e"	13.1800	Conductivity (σ):	1.77	1.76	0.33	5
	Head 2475	e'	39.0200	Relative Permittivity (ϵ_r):	39.02	39.17	-0.38	5
		e"	13.1300	Conductivity (σ):	1.81	1.83	-1.10	5

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 of 100MHZ to 6GHz frequency range 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.
For The System verification of 4MHz to 30MHz frequency range, The System verification must be performed before 24 hours.

System Performance Check Measurement Conditions (100MHz to 6GHz):

- 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 2.5 mm.
  For 5 GHz band - Distance between probe sensors and phantom surface was set to 1.4 mm
- The dipole input power (forward power) was 100 mW.
- The results are normalized to 1 W input power.

System Performance Check Measurement Conditions (4MHz to 30MHz):

- 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
- The DASY system with an E-Field Probe was used for the measurements.
- The CLA(Confined Loop Antennas) was mounted on the small tripod so that the CLA feed point was positioned below the center marking of the flat phantom section and the CLA was oriented parallel to the body axis (the long side of the phantom). The standard measuring distance was 0 mm separation distance from CLA center to the Phantom surface.
- The CLA input power (forward power) was 100 mW.
- The results are normalized to 1 W input power.

Reference Target SAR Values

The reference SAR values can be obtained from the calibration certificate of system validation dipoles.

System Dipole	Serial No.	Cal. Date	Cal.due date	Target SAR Values (W/kg)	
				1g/10g	Head
D750V3	1205	4-27-2021	4-27-2023	1g	8.66
				10g	5.65
D750V3	1122	2-24-2022	2-24-2023	1g	8.58
				10g	5.65
D835V2	4d174	9-21-2022	9-21-2023	1g	9.63
				10g	6.29
D1750V2	1125	11-30-2022	11-30-2023	1g	37.40
				10g	19.70
D1750V2	1180	9-21-2022	9-21-2023	1g	35.60
				10g	18.90
D1900V2	5d190	11-16-2022	11-16-2023	1g	39.70
				10g	20.70
D1900V2	5d199	3-25-2022	3-25-2024	1g	39.40
				10g	20.50
D2300V2	1115	4-23-2021	4-23-2023	1g	49.30
				10g	23.60
D2300V2	1090	11-15-2022	11-15-2023	1g	48.50
				10g	23.60
D2450V2	960	3-24-2022	3-24-2024	1g	51.90
				10g	24.00
D2600V2	1097	9-29-2021	9-29-2023	1g	57.10
				10g	25.50
D2600V2	1178	4-23-2021	4-23-2023	1g	56.60
				10g	25.40
D3500V2	1075	6-21-2021	6-21-2023	1g	66.20
				10g	24.90
D3700V2	1036	5-21-2021	5-21-2023	1g	67.90
				10g	24.30
D3900V2	1043	2-23-2022	2-23-2024	1g	70.10
				10g	24.30
D5GHzV2	1184	11-23-2022	11-23-2023	1g	79.00
				10g	22.90
				1g	81.60
				10g	23.10
				1g	79.50
				10g	22.60
D5GHzV2	1209	2-28-2023	2-28-2024	1g	80.40
				10g	22.90
				1g	83.10
				10g	23.60
				1g	81.20
				10g	22.90
CLA-13	1015	8-23-2022	8-23-2023	1g	0.55
				10g	0.34

Note(s):

1. For System Validation Dipole, Calibration interval applied every 2 years according to referencing KDB 865664 guidance.
2. For CLA, Calibration interval applied every year.
3. Refer to Appendix F that mentioned about justification

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.

SAR 1 Room

Date Tested	System Dipole		T.S. Liquid		Measured Results		Target (Ref. Value)	Delta ±10 %	Plot No.
	Type	Serial #			Zoom Scan to 100 mW	Normalize to 1 W			
4-17-2023	D1750V2	1125	Head	1g	3.55	35.5	37.40	-5.08	
				10g	1.91	19.1	19.70	-3.05	
4-17-2023	D1900V2	5d190	Head	1g	3.67	36.7	39.70	-7.56	1
				10g	1.93	19.3	20.70	-6.76	
5-2-2023	D1750V2	1125	Head	1g	3.55	35.5	37.40	-5.08	
				10g	1.86	18.6	19.70	-5.58	
5-2-2023	D1900V2	5d190	Head	1g	3.90	39.0	39.70	-1.76	
				10g	1.98	19.8	20.70	-4.35	

SAR 2 Room

Date Tested	System Dipole		T.S. Liquid		Measured Results		Target (Ref. Value)	Delta ±10 %	Plot No.
	Type	Serial #			Zoom Scan to 100 mW	Normalize to 1 W			
3-20-2023	D1900V2	5d199	Head	1g	4.01	40.1	39.40	1.78	
				10g	2.06	20.6	20.50	0.49	
3-23-2023	D1750V2	1180	Head	1g	3.39	33.9	35.60	-4.78	2
				10g	1.84	18.4	18.90	-2.65	
3-23-2023	D1900V2	5d199	Head	1g	4.09	40.9	39.40	3.81	
				10g	2.12	21.2	20.50	3.41	
3-27-2023	D750V3	1205	Head	1g	0.87	8.7	8.66	0.58	
				10g	0.58	5.8	5.65	3.19	
3-27-2023	D835V2	4d174	Head	1g	1.02	10.2	9.63	5.92	3
				10g	0.68	6.8	6.29	7.63	
3-31-2023	D750V3	1205	Head	1g	0.85	8.5	8.66	-1.85	4
				10g	0.56	5.6	5.65	-0.18	
4-4-2023	D750V3	1122	Head	1g	0.84	8.4	8.58	-2.10	5
				10g	0.56	5.6	5.65	-1.42	
4-4-2023	D835V2	4d174	Head	1g	1.00	10.0	9.63	3.53	
				10g	0.66	6.6	6.29	4.61	
4-10-2023	D750V3	1122	Head	1g	0.85	8.5	8.58	-1.05	
				10g	0.57	5.7	5.65	0.18	
4-10-2023	D835V2	4d174	Head	1g	1.01	10.1	9.63	4.88	
				10g	0.67	6.7	6.29	6.84	
4-14-2023	D750V3	1122	Head	1g	0.86	8.6	8.58	0.35	
				10g	0.57	5.7	5.65	1.42	
4-14-2023	D835V2	4d174	Head	1g	0.99	9.9	9.63	2.28	
				10g	0.65	6.5	6.29	3.97	
4-20-2023	D5GHzV2	1209	Head	1g	8.01	80.1	80.40	-0.37	
				10g	2.29	22.9	22.90	0.00	
4-20-2023	D5GHzV2	1209	Head	1g	8.75	87.5	83.10	5.29	
				10g	2.48	24.8	23.60	5.08	
4-20-2023	D5GHzV2	1209	Head	1g	8.42	84.2	81.20	3.69	
				10g	2.37	23.7	22.90	3.49	
4-22-2023	D2450V2	960	Head	1g	5.51	55.1	51.90	6.17	
				10g	2.59	25.9	24.00	7.92	

SAR 3 Room

Date Tested	System Dipole		T.S. Liquid		Measured Results		Target (Ref. Value)	Delta ±10 %	Plot No.
	Type	Serial #			Zoom Scan to 100 mW	Normalize to 1 W			
3-20-2023	D1750V2	1180	Head	1g	3.58	35.8	35.60	0.56	
				10g	1.97	19.7	18.90	4.23	
3-20-2023	D1900V2	5d199	Head	1g	4.00	40.0	39.40	1.52	
				10g	2.14	21.4	20.50	4.39	
3-24-2023	D1900V2	5d199	Head	1g	4.10	41.0	39.40	4.06	
				10g	2.21	22.1	20.50	7.80	
3-28-2023	D1750V2	1180	Head	1g	3.61	36.1	35.60	1.40	
				10g	2.03	20.3	18.90	7.41	
3-28-2023	D1900V2	5d199	Head	1g	4.05	40.5	39.40	2.79	
				10g	2.20	22.0	20.50	7.32	
4-3-2023	D1750V2	1125	Head	1g	3.36	33.6	35.60	-5.62	6
				10g	1.87	18.7	18.90	-1.06	
4-3-2023	D1900V2	5d190	Head	1g	4.10	41.0	39.70	3.27	
				10g	2.23	22.3	20.70	7.73	
4-7-2023	D1750V2	1125	Head	1g	3.66	36.6	35.60	2.81	
				10g	2.04	20.4	18.90	7.94	
4-10-2023	D1750V2	1125	Head	1g	3.65	36.5	35.60	2.53	
				10g	2.02	20.2	18.90	6.88	
4-10-2023	D1900V2	5d190	Head	1g	4.09	40.9	39.70	3.02	
				10g	2.22	22.2	20.70	7.25	
4-12-2023	D5GHzV2	1209	Head	1g	8.33	83.3	80.40	3.61	
				10g	2.43	24.3	22.90	6.11	
4-12-2023	D5GHzV2	1209	Head	1g	8.41	84.1	83.10	1.20	
				10g	2.49	24.9	23.60	5.51	
4-12-2023	D5GHzV2	1209	Head	1g	7.47	74.7	81.20	-8.00	7
				10g	2.17	21.7	22.90	-5.24	
4-17-2023	D2300V2	1090	Head	1g	4.59	45.9	48.50	-5.36	8
				10g	2.33	23.3	23.60	-1.27	
4-17-2023	D2600V2	1097	Head	1g	5.69	56.9	57.10	-0.35	
				10g	2.69	26.9	25.50	5.49	
4-21-2023	D1750V2	1125	Head	1g	3.60	36.0	37.40	-3.74	
				10g	1.97	19.7	19.70	0.00	
4-21-2023	D1900V2	5d190	Head	1g	4.17	41.7	39.70	5.04	
				10g	2.23	22.3	20.70	7.73	
4-21-2023	D2600V2	1097	Head	1g	5.75	57.5	57.10	0.70	
				10g	2.71	27.1	25.50	6.27	
4-25-2023	D1750V2	1125	Head	1g	3.59	35.9	37.40	-4.01	
				10g	1.89	18.9	19.70	-4.06	
4-25-2023	D1900V2	5d190	Head	1g	3.72	37.2	39.70	-6.30	
				10g	1.92	19.2	20.70	-7.25	
4-25-2023	D2600V2	1097	Head	1g	5.62	56.2	57.10	-1.58	
				10g	2.52	25.2	25.50	-1.18	
4-29-2023	D1900V2	5d190	Head	1g	4.17	41.7	39.70	5.04	
				10g	2.25	22.5	20.70	8.70	
5-2-2023	D2300V2	1090	Head	1g	4.71	47.1	48.50	-2.89	
				10g	2.23	22.3	23.60	-5.51	
5-2-2023	D2450V2	960	Head	1g	4.84	48.4	51.90	-6.74	9
				10g	2.23	11.0	24.00	-54.17	
5-4-2023	D1900V2	5d190	Head	1g	4.13	41.3	39.70	4.03	
				10g	2.13	21.3	20.70	2.90	
5-4-2023	D2600V2	1097	Head	1g	5.40	54.0	57.10	-5.43	
				10g	2.42	24.2	25.50	-5.10	
5-9-2023	D2600V2	1097	Head	1g	5.52	55.2	57.10	-3.33	
				10g	2.46	24.6	25.50	-3.53	
5-18-2023	D2450V2	939	Head	1g	5.28	52.8	53.00	-0.38	
				10g	2.43	24.3	24.70	-1.62	
5-22-2023	D2450V2	939	Head	1g	5.27	52.7	53.00	-0.57	
				10g	2.43	24.3	24.70	-1.62	

SAR 4 Room

Date Tested	System Dipole		T.S. Liquid		Measured Results		Target (Ref. Value)	Delta ±10 %	Plot No.
	Type	Serial #			Zoom Scan to 100 mW	Normalize to 1 W			
3-20-2023	D750V3	1205	Head	1g	0.89	8.9	8.66	2.54	
				10g	0.60	6.0	5.65	6.37	
3-20-2023	D835V2	4d174	Head	1g	0.98	9.8	9.63	2.08	
				10g	0.66	6.6	6.29	4.77	
3-24-2023	D750V3	1205	Head	1g	0.87	8.7	8.66	0.69	
				10g	0.59	5.9	5.65	3.54	
3-24-2023	D835V2	4d174	Head	1g	1.01	10.1	9.63	4.88	
				10g	0.67	6.7	6.29	6.68	
3-28-2023	D750V3	1205	Head	1g	0.88	8.8	8.66	1.27	
				10g	0.59	5.9	5.65	4.42	
3-28-2023	D835V2	4d174	Head	1g	0.99	9.9	9.63	2.80	
				10g	0.66	6.6	6.29	4.93	
4-3-2023	D750V3	1205	Head	1g	0.88	8.8	8.66	1.27	
				10g	0.58	5.8	5.65	2.65	
4-3-2023	D835V2	4d174	Head	1g	0.98	9.8	9.63	2.08	
				10g	0.65	6.5	6.29	2.54	
4-7-2023	D835V2	4d174	Head	1g	0.99	9.9	9.63	3.12	
				10g	0.66	6.6	6.29	4.93	
4-11-2023	D3500V2	1075	Head	1g	6.96	69.6	66.20	5.14	
				10g	2.70	27.0	24.90	8.43	
4-11-2023	D3700V2	1036	Head	1g	6.72	67.2	67.90	-1.03	
				10g	2.53	25.3	24.30	4.12	
4-15-2023	D3500V2	1075	Head	1g	6.85	68.5	66.20	3.47	
				10g	2.67	26.7	24.90	7.23	
4-15-2023	D3700V2	1036	Head	1g	6.35	63.5	67.90	-6.48	10
				10g	2.39	23.9	24.30	-1.65	
4-19-2023	D3500V2	1075	Head	1g	6.80	68.0	66.20	2.72	
				10g	2.62	26.2	24.90	5.22	
4-19-2023	D3700V2	1036	Head	1g	6.79	67.9	67.90	0.00	
				10g	2.54	25.4	24.30	4.53	
4-19-2023	D3900V2	1043	Head	1g	6.66	66.6	71.30	-6.59	
				10g	2.38	23.8	24.60	-3.25	
4-24-2023	D3500V2	1075	Head	1g	6.15	61.5	66.20	-7.10	11
				10g	2.34	23.4	24.90	-6.02	
4-24-2023	D3700V2	1036	Head	1g	6.42	64.2	67.90	-5.45	
				10g	2.37	23.7	24.30	-2.47	
4-24-2023	D3900V2	1043	Head	1g	6.60	66.0	71.30	-7.43	12
				10g	2.33	23.3	24.60	-5.28	
4-26-2023	D2300V2	1090	Head	1g	5.07	50.7	48.50	4.54	
				10g	2.48	24.8	23.60	5.08	
4-26-2023	D2450V2	960	Head	1g	5.04	50.4	51.90	-2.89	
				10g	2.38	23.8	24.00	-0.83	
5-1-2023	D3500V2	1075	Head	1g	6.67	66.7	66.20	0.76	
				10g	2.54	25.4	24.90	2.01	
5-1-2023	D3700V2	1036	Head	1g	6.66	66.6	67.90	-1.91	
				10g	2.46	24.6	24.30	1.23	
5-1-2023	D3900V2	1043	Head	1g	6.95	69.5	71.30	-2.52	
				10g	2.47	24.7	24.60	0.41	
5-9-2023	D3500V2	1075	Head	1g	6.54	65.4	66.20	-1.21	
				10g	2.49	24.9	24.90	0.00	
5-9-2023	D3700V2	1036	Head	1g	7.06	70.6	67.90	3.98	
				10g	2.59	25.9	24.30	6.58	
5-9-2023	D3900V2	1043	Head	1g	6.91	69.1	71.30	-3.09	
				10g	2.44	24.4	24.60	-0.81	
5-22-2023	D2450V2	939	Head	1g	5.31	53.1	53.00	0.19	
				10g	2.45	24.5	24.70	-0.81	

SAR 5 Room

Date Tested	System Dipole		T.S. Liquid		Measured Results		Target (Ref. Value)	Delta ±10 %	Plot No.
	Type	Serial #			Zoom Scan to 100 mW	Normalize to 1 W			
3-20-2023	D2300V2	1115	Head	1g	4.84	48.4	49.30	-1.83	13
				10g	2.45	24.5	23.60	3.81	
3-23-2023	D2300V2	1115	Head	1g	4.95	49.5	49.30	0.41	
				10g	2.50	25.0	23.60	5.93	
3-27-2023	D2300V2	1115	Head	1g	4.89	48.9	49.30	-0.81	
				10g	2.38	23.8	23.60	0.85	
3-27-2023	D2600V2	1097	Head	1g	5.52	55.2	57.10	-3.33	
				10g	2.53	25.3	25.50	-0.78	
4-3-2023	D2300V2	1090	Head	1g	4.91	49.1	48.50	1.24	
				10g	2.52	25.2	23.60	6.78	
4-3-2023	D2600V2	1097	Head	1g	5.59	55.9	57.10	-2.10	
				10g	2.69	26.9	25.50	5.49	
4-7-2023	D2600V2	1178	Head	1g	5.56	55.6	56.60	-1.77	14
				10g	2.67	26.7	25.40	5.12	
4-11-2023	D3500V2	1075	Head	1g	6.56	65.6	66.20	-0.91	
				10g	2.70	27.0	24.90	8.43	
4-11-2023	D3700V2	1036	Head	1g	6.42	64.2	67.90	-5.45	
				10g	2.54	25.4	24.30	4.53	
4-15-2023	D3500V2	1075	Head	1g	6.61	66.1	66.20	-0.15	
				10g	2.67	26.7	24.90	7.23	
4-15-2023	D3700V2	1036	Head	1g	6.75	67.5	67.90	-0.59	
				10g	2.62	26.2	24.30	7.82	
4-18-2023	D835V2	4d174	Head	1g	1.02	10.2	9.63	5.92	
				10g	0.65	6.5	6.29	2.86	
5-22-2023	D2450V2	939	Head	1g	5.16	51.6	53.00	-2.64	
				10g	2.51	25.1	24.70	1.62	

SAR 6 Room

Date Tested	System Dipole		T.S. Liquid		Measured Results		Target (Ref. Value)	Delta ±10 %	Plot No.
	Type	Serial #			Zoom Scan to 100 mW	Normalize to 1 W			
4-7-2023	D5GHzV2	1209	Head	1g	7.43	74.3	78.00	-4.74	
				10g	2.16	21.6	22.40	-3.57	
4-7-2023	D5GHzV2	1209	Head	1g	8.32	83.2	80.90	2.84	
				10g	2.41	24.1	23.10	4.33	
4-7-2023	D5GHzV2	1209	Head	1g	7.98	79.8	79.00	1.01	
				10g	2.31	23.1	22.40	3.13	
4-11-2023	D5GHzV2	1209	Head	1g	8.36	83.6	78.00	7.18	
				10g	2.43	24.3	22.40	8.48	
4-11-2023	D5GHzV2	1209	Head	1g	8.47	84.7	80.90	4.70	
				10g	2.46	24.6	23.10	6.49	
4-11-2023	D5GHzV2	1209	Head	1g	8.02	80.2	79.00	1.52	
				10g	2.32	23.2	22.40	3.57	
4-25-2023	D5GHzV2	1184	Head	1g	7.88	78.8	79.00	-0.25	
				10g	2.28	22.8	22.90	-0.44	
4-25-2023	D5GHzV2	1184	Head	1g	8.26	82.6	81.60	1.23	
				10g	2.37	23.7	23.10	2.60	
4-25-2023	D5GHzV2	1184	Head	1g	8.29	82.9	79.50	4.28	
				10g	2.38	23.8	22.60	5.31	
5-1-2023	D5GHzV2	1184	Head	1g	7.65	76.5	79.00	-3.16	
				10g	2.20	22.0	22.90	-3.93	
5-1-2023	D5GHzV2	1184	Head	1g	7.91	79.1	81.60	-3.06	
				10g	2.26	22.6	23.10	-2.16	
5-1-2023	D5GHzV2	1184	Head	1g	8.32	83.2	79.50	4.65	
				10g	2.39	23.9	22.60	5.75	
5-8-2023	D5GHzV2	1184	Head	1g	8.36	83.6	79.50	5.16	15
				10g	2.40	24.0	22.60	6.19	

SAR 7 Room

Date Tested	System Dipole		T.S. Liquid		Measured Results		Target (Ref. Value)	Delta ±10 %	Plot No.
	Type	Serial #			Zoom Scan to 100 mW	Normalize to 1 W			
3-21-2023	D2300V2	1090	Head	1g	4.60	46.0	48.50	-5.15	
				10g	2.17	21.7	23.60	-8.05	
3-21-2023	D2600V2	1097	Head	1g	5.26	52.6	57.10	-7.88	16
				10g	2.36	23.6	25.50	-7.45	
3-27-2023	D2300V2	1090	Head	1g	5.07	50.7	48.50	4.54	
				10g	2.45	24.5	23.60	3.81	
3-27-2023	D2600V2	1097	Head	1g	5.96	59.6	57.10	4.38	
				10g	2.73	27.3	25.50	7.06	
3-30-2023	D2450V2	960	Head	1g	5.30	53.0	51.90	2.12	
				10g	2.52	25.2	24.00	5.00	
4-3-2023	D2450V2	960	Head	1g	5.32	53.2	51.90	2.50	
				10g	2.53	25.3	24.00	5.42	
4-3-2023	D2600V2	1178	Head	1g	5.74	57.4	56.60	1.41	
				10g	2.65	26.5	25.40	4.33	
4-7-2023	D2600V2	1097	Head	1g	5.80	58.0	57.10	1.58	
				10g	2.65	26.5	25.50	3.92	
4-11-2023	D2600V2	1097	Head	1g	5.69	56.9	57.10	-0.35	
				10g	2.59	25.9	25.50	1.57	
4-17-2023	D2600V2	1097	Head	1g	5.77	57.7	57.10	1.05	
				10g	2.65	26.5	25.50	3.92	
4-21-2023	D2600V2	1097	Head	1g	5.44	54.4	57.10	-4.73	
				10g	2.46	24.6	25.50	-3.53	
4-25-2023	CLA-13	1015	Head	1g	0.06	0.6	0.55	7.66	17
				10g	0.04	0.4	0.34	5.88	
4-26-2023	D2600V2	1097	Head	1g	5.70	57.0	57.10	-0.18	
				10g	2.61	26.1	25.50	2.35	
5-1-2023	D2600V2	1097	Head	1g	5.81	58.1	57.10	1.75	
				10g	2.65	26.5	25.50	3.92	
5-10-2023	D2450V2	960	Head	1g	5.16	51.6	51.90	-0.58	
				10g	2.41	24.1	24.00	0.42	
5-10-2023	D2600V2	1097	Head	1g	5.48	54.8	57.10	-4.03	
				10g	2.49	24.9	25.50	-2.35	
5-22-2023	D2450V2	939	Head	1g	5.10	51.0	53.00	-3.77	18
				10g	2.38	23.8	24.70	-3.64	

SAR 9 Room

Date Tested	System Dipole		T.S. Liquid		Measured Results		Target (Ref. Value)	Delta ±10 %	Plot No.
	Type	Serial #			Zoom Scan to 100 mW	Normalize to 1 W			
3-22-2023	D1750V2	1180	Head	1g	3.44	34.4	35.60	-3.37	
				10g	1.92	19.2	18.90	1.59	
3-22-2023	D1900V2	5d199	Head	1g	3.92	39.2	39.40	-0.51	
				10g	2.10	21.0	20.50	2.44	
3-27-2023	D1750V2	1125	Head	1g	3.88	38.8	37.40	3.74	
				10g	2.14	21.4	19.70	8.63	
3-27-2023	D1900V2	5d199	Head	1g	3.77	37.7	39.40	-4.31	
				10g	2.01	20.1	20.50	-1.95	
4-3-2023	D1750V2	1125	Head	1g	3.86	38.6	37.40	3.21	
				10g	2.13	21.3	19.70	8.12	
4-3-2023	D1900V2	5d199	Head	1g	4.12	41.2	39.40	4.57	
				10g	2.22	22.2	20.50	8.29	
4-7-2023	D1750V2	1125	Head	1g	3.70	37.0	37.40	-1.07	
				10g	2.00	20.0	19.70	1.52	
4-7-2023	D1900V2	5d199	Head	1g	4.17	41.7	39.40	5.84	19
				10g	2.20	22.0	20.50	7.32	
4-10-2023	D2450V2	960	Head	1g	5.32	53.2	51.90	2.50	
				10g	2.59	25.9	24.00	7.92	

9. Conducted Output Power Measurements

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.

GSM850 Measured Results

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)			
					DSI = 0, 1, 2, 3			
					Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GSM (Voice)	CS1	1	128	824.2	31.06	22.03	33.00	23.97
			190	836.6	31.57	22.54		
			251	848.8	31.78	22.75		
GPRS (GMSK)	CS1	1	128	824.2	31.10	22.07	33.00	23.97
			190	836.6	31.48	22.45		
			251	848.8	31.66	22.63		
		2	128	824.2	30.70	24.68	32.50	**26.48**
			190	836.6	30.60	24.58		
			251	848.8	30.83	24.81		
		3	128	824.2	28.85	24.59	30.50	26.24
			190	836.6	28.70	24.44		
			251	848.8	29.28	25.02		
		4	128	824.2	27.48	24.47	28.50	25.49
			190	836.6	27.18	24.17		
			251	848.8	27.42	24.41		
EGPRS (8PSK)	MCS5	1	128	824.2	26.19	17.16	28.00	18.97
			190	836.6	26.57	17.54		
			251	848.8	26.85	17.82		
		2	128	824.2	24.66	18.64	26.00	19.98
			190	836.6	24.45	18.43		
			251	848.8	24.74	18.72		
		3	128	824.2	22.84	18.58	24.00	19.74
			190	836.6	22.54	18.28		
			251	848.8	22.92	18.66		
		4	128	824.2	21.82	18.81	23.00	19.99
			190	836.6	21.74	18.73		
			251	848.8	22.03	19.02		

Notes:

The worst-case configuration and mode for SAR testing is determined to be as follows:

- GMSK (GPRS) mode with 2 time slots for Max power, based on the Tune-up Procedure. Refer to §6.3.
- SAR is not required for EGPRS (8PSK) mode because the maximum output power and tune-up limit is ≤ 1/4dB higher than GMSK GPRS or the adjusted SAR of the highest reported SAR of GMSK GPRS is ≤ 1.2W/kg.

GSM1900 Measured Results

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)							
					DSI = 2, 3				DSI = 0, 1			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GSM (Voice)	CS1	1	512	1850.2	29.69	20.66	30.50	21.47	27.62	18.59	28.50	19.47
			661	1880.0	29.40	20.37			27.28	18.25		
			810	1909.8	29.63	20.60			27.41	18.38		
GPRS (GMSK)	CS1	1	512	1850.2	29.73	20.70	30.50	21.47	27.57	18.54	28.50	19.47
			661	1880.0	29.54	20.51			27.21	18.18		
			810	1909.8	29.50	20.47			27.71	18.68		
		2	512	1850.2	28.23	22.21	29.00	22.98	24.36	18.34	25.50	19.48
			661	1880.0	27.92	21.90			24.37	18.35		
			810	1909.8	27.99	21.97			24.34	18.32		
		3	512	1850.2	26.28	22.02	27.50	**23.24**	22.93	18.67	23.70	19.44
			661	1880.0	26.11	21.85			22.54	18.28		
			810	1909.8	26.25	21.99			22.53	18.27		
		4	512	1850.2	24.68	21.67	25.50	22.49	21.50	18.49	22.50	**19.49**
			661	1880.0	24.59	21.58			21.44	18.43		
			810	1909.8	24.65	21.64			21.36	18.35		
EGPRS (8PSK)	MCS5	1	512	1850.2	25.52	16.49	27.00	17.97	25.58	16.55	27.00	17.47
			661	1880.0	25.37	16.34			25.57	16.54		
			810	1909.8	25.50	16.47			25.63	16.60		
		2	512	1850.2	24.22	18.20	25.00	18.98	24.33	18.31	25.00	18.68
			661	1880.0	23.95	17.93			24.12	18.10		
			810	1909.8	24.06	18.04			24.19	18.17		
		3	512	1850.2	22.16	17.90	23.00	18.74	22.29	18.03	23.00	18.44
			661	1880.0	21.75	17.49			22.09	17.83		
			810	1909.8	21.87	17.61			22.16	17.90		
		4	512	1850.2	21.07	18.06	22.00	18.99	21.36	18.35	22.00	18.69
			661	1880.0	20.98	17.97			21.16	18.15		
			810	1909.8	20.99	17.98			21.14	18.13		

Notes:

The worst-case configuration and mode for SAR testing is determined to be as follows:

- GMSK (GPRS) mode with 3 time slots for DSI 2, 3, GMSK (GPRS) mode with 4 time slots for DSI 0,1 based on the Tune-up Procedure. Refer to §6.3.
- SAR is not required for EGPRS (8PSK) mode because the maximum output power and tune-up limit is ≤ 1/4dB higher than GMSK GPRS or the adjusted SAR of the highest reported SAR of GMSK GPRS is ≤ 1.2W/kg.

9.2. W-CDMA

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 specification. The DUT supports power Class 3, which has a nominal maximum output power of 24 dBm (+1.7/-3.7).

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 section 5.2 of 3GPP TS34.121. A summary of these settings are illustrated below:

	Mode	HSDPA	HSDPA	HSDPA	HSDPA
	Subtest	1	2	3	4
W-CDMA General Settings	Loopback Mode	Test Mode 1			
	Rel99 RMC	12.2kbps RMC			
	HSDPA FRC	H-Set 1			
	Power Control Algorithm	Algorithm 2			
	βc	2/15	11/15	15/15	15/15
	βd	15/15	15/15	8/15	4/15
	Bd (SF)	64			
	βc/βd	2/15	11/15	15/8	15/4
	βhs	4/15	24/15	30/15	30/15
	MPR (dB)	0	0	0.5	0.5
HSDPA Specific Settings	D_{ACK}	8			
	D_{NAK}	8			
	DCQI	8			
	Ack-Nack repetition factor	3			
	CQI Feedback (Table 5.2B.4)	4ms			
	CQI Repetition Factor (Table 5.2B.4)	2			
	Ahs=βhs/βc	30/15			

HSPA (HSDPA & 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 v13.
A summary of these settings are illustrated below:

	Mode	HSPA				
	Subtest	1	2	3	4	5
WCDMA General Settings	Loopback Mode	Test Mode 1				
	Rel99 RMC	12.2 kbps RMC				
	HSDPA FRC	H-Set 1				
	HSUPA Test	HSPA				
	Power Control Algorithm	Algorithm 2				Algorithm 1
	βc	11/15	6/15	15/15	2/15	15/15
	βd	15/15	15/15	9/15	15/15	0
	βec	209/225	12/15	30/15	2/15	5/15
	βc/βd	11/15	6/15	15/9	2/15	-
	βhs	22/15	12/15	30/15	4/15	5/15
	βed	1309/225	94/75	47/15	56/75	47/15
	CM (dB)	1	3	2	3	1
	MPR (dB)	0	2	1	2	0
HSDPA Specific Settings	DACK	8				0
	DNAK	8				0
	DCQI	8				0
	Ack-Nack repetition factor	3				
	CQI Feedback (Table 5.2B.4)	4ms				
	CQI Repetition Factor (Table 5.2B.4)	2				
	Ahs = βhs/βc	30/15				
HSUPA Specific Settings	E-DPDCH	6	8	8	5	0
	DHARQ	0	0	0	0	0
	AG Index	20	12	15	17	12
	ETFCI (from 34.121 Table C.11.1.3)	75	67	92	71	67
	Associated Max UL Data Rate kbps	242.1	174.9	482.8	205.8	308.9
	Reference E-TFCIs	5	5	2	5	1
	Reference E-TFCI	11	11	11	11	67
	Reference E-TFCI PO	4	4	4	4	18
	Reference E-TFCI	67	67	92	67	67
	Reference E-TFCI PO	18	18	18	18	18
	Reference E-TFCI	71	71	71	71	71
	Reference E-TFCI PO	23	23	23	23	23
	Reference E-TFCI	75	75	75	75	75
	Reference E-TFCI PO	26	26	26	26	26
	Reference E-TFCI	81	81	81	81	81
	Reference E-TFCI PO	27	27	27	27	27
	Maximum Channelization Codes	2xSF2				SF4

DC-HSDPA Setup Procedures used to establish the test signals

The following tests were completed according to procedures in section 7.3.13 of 3GPP TS34.108 v9.5.0. A summary of these settings are illustrated below:

Downlink Physical Channels are set as per 3GPP TS34.121-1 v9.0.0 E.5.0

Table E.5.0: Levels for HSDPA connection setup

Parameter During Connection setup	Unit	Value
P-CPICH_Ec/Ior	dB	-10
P-CCPCH and SCH_Ec/Ior	dB	-12
PICH _Ec/Ior	dB	-15
HS-PDSCH	dB	off
HS-SCCH_1	dB	off
DPCH_Ec/Ior	dB	-5
OCNS_Ec/Ior	dB	-3.1

Call is set up as per 3GPP TS34.108 v9.5.0 sub clause 7.3.13

The configurations of the fixed reference channels for HSDPA RF tests are described in 3GPP TS 34.121, annex C for FDD and 3GPP TS 34.122.

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

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

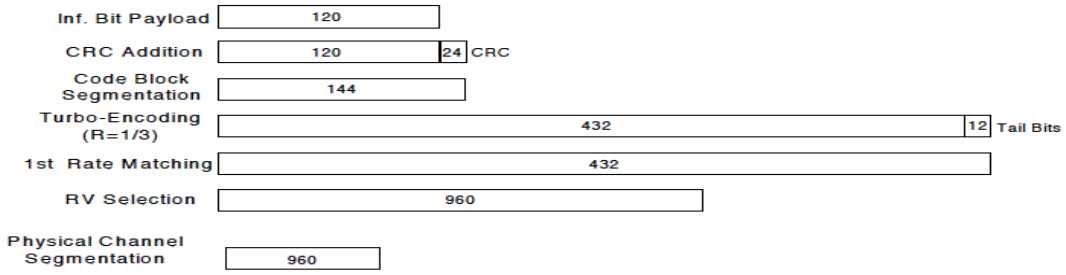


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

The following 4 Sub-tests for HSDPA were completed according to Release 8 procedures in section 5.2 of 3GPP TS34.121. A summary of subtest settings are illustrated below:

	Mode	HSDPA	HSDPA	HSDPA	HSDPA
	Subtest	1	2	3	4
WCDMA General Settings	Loopback Mode	Test Mode 1			
	Rel99 RMC	12.2kbps RMC			
	HSDPA FRC	H-Set 12			
	Power Control Algorithm	Algorithm2			
	βc	2/15	11/15	15/15	15/15
	βd	15/15	15/15	8/15	4/15
	βd (SF)	64			
	βc/βd	2/15	11/15	15/8	15/4
	βhs	4/15	24/15	30/15	30/15
	MPR (dB)	0	0	0.5	0.5
HSDPA Specific Settings	DACK	8			
	DNAK	8			
	DCQI	8			
	Ack-Nack Repetition factor	3			
	CQI Feedback	4ms			
	CQI Repetition Factor	2			
	Ahs = βhs/ βc	30/15			

HSPA+

HSPA+ is only supported to down link. Therefore, the RF conducted power is not measured.

W-CDMA Band II Measured Results

Mode		UL Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)					
				DSI = 2, 3			DSI = 0, 1		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	24.22	N/A	24.80	19.21	N/A	20.00
		9400	1880.0	24.02			19.21		
		9538	1907.6	24.00			19.22		
HSDPA	Subtest 1	9262	1852.4	23.22	0.00	23.80	18.43	0.00	19.00
		9400	1880.0	23.05			18.20		
		9538	1907.6	23.05			18.23		
	Subtest 2	9262	1852.4	23.18	0.00	23.80	18.44	0.00	19.00
		9400	1880.0	23.03			18.22		
		9538	1907.6	23.05			18.23		
	Subtest 3	9262	1852.4	22.73	0.50	23.30	17.90	0.50	18.50
		9400	1880.0	22.48			17.68		
		9538	1907.6	22.51			17.68		
	Subtest 4	9262	1852.4	22.72	0.50	23.30	17.91	0.50	18.50
		9400	1880.0	22.51			17.70		
		9538	1907.6	22.53			17.74		
HSUPA	Subtest 1	9262	1852.4	23.23	0.00	23.80	18.44	0.00	19.00
		9400	1880.0	23.00			18.21		
		9538	1907.6	23.03			18.20		
	Subtest 2	9262	1852.4	21.26	2.00	21.80	16.43	2.00	17.00
		9400	1880.0	21.03			16.22		
		9538	1907.6	21.06			16.27		
	Subtest 3	9262	1852.4	22.22	1.00	22.80	17.45	1.00	18.00
		9400	1880.0	22.03			17.23		
		9538	1907.6	22.07			17.23		
	Subtest 4	9262	1852.4	21.25	2.00	21.80	16.43	2.00	17.00
		9400	1880.0	21.04			16.20		
		9538	1907.6	21.05			16.23		
	Subtest 5	9262	1852.4	22.84	0.00	23.80	18.02	0.00	19.00
		9400	1880.0	22.63			17.80		
		9538	1907.6	22.64			17.83		
DC-HSDPA	Subtest 1	9262	1852.4	23.23	0.00	23.80	18.43	0.00	19.00
		9400	1880.0	23.07			18.23		
		9538	1907.6	23.09			18.27		
	Subtest 2	9262	1852.4	23.24	0.00	23.80	18.44	0.00	19.00
		9400	1880.0	23.04			18.24		
		9538	1907.6	23.09			18.27		
	Subtest 3	9262	1852.4	22.74	0.50	23.30	17.89	0.50	18.50
		9400	1880.0	22.55			17.68		
		9538	1907.6	22.56			17.75		
	Subtest 4	9262	1852.4	22.73	0.50	23.30	17.91	0.50	18.50
		9400	1880.0	22.57			17.74		
		9538	1907.6	22.63			17.80		

W-CDMA Band IV Measured Results

Mode		UL Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)					
				DSI = 2, 3			DSI = 0, 1		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	24.04	N/A	24.80	19.18	N/A	20.00
		1413	1732.6	23.97			19.16		
		1513	1752.6	23.90			19.11		
HSDPA	Subtest 1	1312	1712.4	23.07	0.00	23.80	18.29	0.00	19.00
		1413	1732.6	23.00			18.16		
		1513	1752.6	22.92			18.09		
	Subtest 2	1312	1712.4	23.06	0.00	23.80	18.25	0.00	19.00
		1413	1732.6	22.99			18.16		
		1513	1752.6	22.89			18.10		
	Subtest 3	1312	1712.4	22.54	0.50	23.30	17.75	0.50	18.50
		1413	1732.6	22.49			17.66		
		1513	1752.6	22.41			17.57		
	Subtest 4	1312	1712.4	22.52	0.50	23.30	17.75	0.50	18.50
		1413	1732.6	22.49			17.65		
		1513	1752.6	22.41			17.57		
HSUPA	Subtest 1	1312	1712.4	23.03	0.00	23.80	18.24	0.00	19.00
		1413	1732.6	22.97			18.14		
		1513	1752.6	22.92			18.09		
	Subtest 2	1312	1712.4	21.05	2.00	21.80	16.27	2.00	17.00
		1413	1732.6	20.98			16.17		
		1513	1752.6	20.90			16.14		
	Subtest 3	1312	1712.4	22.01	1.00	22.80	17.26	1.00	18.00
		1413	1732.6	21.99			17.20		
		1513	1752.6	21.93			17.13		
	Subtest 4	1312	1712.4	21.05	2.00	21.80	16.26	2.00	17.00
		1413	1732.6	21.02			16.18		
		1513	1752.6	20.91			16.13		
	Subtest 5	1312	1712.4	22.66	0.00	23.80	17.86	0.00	19.00
		1413	1732.6	22.57			17.73		
		1513	1752.6	22.51			17.72		
DC-HSDPA	Subtest 1	1312	1712.4	23.11	0.00	23.80	18.28	0.00	19.00
		1413	1732.6	23.05			18.19		
		1513	1752.6	22.93			18.12		
	Subtest 2	1312	1712.4	23.07	0.00	23.80	18.29	0.00	19.00
		1413	1732.6	23.03			18.18		
		1513	1752.6	22.94			18.13		
	Subtest 3	1312	1712.4	22.58	0.50	23.30	17.78	0.50	18.50
		1413	1732.6	22.51			17.69		
		1513	1752.6	22.43			17.60		
	Subtest 4	1312	1712.4	22.56	0.50	23.30	17.75	0.50	18.50
		1413	1732.6	22.51			17.67		
		1513	1752.6	22.42			17.59		

W-CDMA Band V Measured Results

Mode		UL Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)		
				DSI = 0, 1, 2, 3		
				Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	4132	826.4	24.69	N/A	25.50
		4183	836.6	24.54		
		4233	846.6	24.83		
HSDPA	Subtest 1	4132	826.4	23.69	0.00	24.50
		4183	836.6	23.54		
		4233	846.6	23.80		
	Subtest 2	4132	826.4	23.68	0.00	24.50
		4183	836.6	23.50		
		4233	846.6	23.72		
	Subtest 3	4132	826.4	23.19	0.50	24.00
		4183	836.6	23.02		
		4233	846.6	23.30		
	Subtest 4	4132	826.4	23.20	0.50	24.00
		4183	836.6	23.04		
		4233	846.6	23.31		
HSUPA	Subtest 1	4132	826.4	23.69	0.00	24.50
		4183	836.6	23.50		
		4233	846.6	23.77		
	Subtest 2	4132	826.4	21.67	2.00	22.50
		4183	836.6	21.49		
		4233	846.6	21.76		
	Subtest 3	4132	826.4	22.68	1.00	23.50
		4183	836.6	22.46		
		4233	846.6	22.73		
	Subtest 4	4132	826.4	21.66	2.00	22.50
		4183	836.6	21.46		
		4233	846.6	21.76		
	Subtest 5	4132	826.4	23.27	0.00	24.50
		4183	836.6	23.07		
		4233	846.6	23.32		
DC-HSDPA	Subtest 1	4132	826.4	23.69	0.00	24.50
		4183	836.6	23.52		
		4233	846.6	23.78		
	Subtest 2	4132	826.4	23.67	0.00	24.50
		4183	836.6	23.51		
		4233	846.6	23.80		
	Subtest 3	4132	826.4	23.20	0.50	24.00
		4183	836.6	23.04		
		4233	846.6	23.32		
	Subtest 4	4132	826.4	23.21	0.50	24.00
		4183	836.6	23.03		
		4233	846.6	23.32		

9.3. LTE

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

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

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

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

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

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

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

Maximum Output Power (Tune-up Limit) for LTE

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

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

- LTE Band 2 (1850 – 1910 MHz) is covered by LTE Band 25 (1850 – 1915 MHz)
- LTE Band 4 (1710 – 1755 MHz) is covered by LTE Band 66 (1710 – 1780 MHz)
- LTE Band 5 (824 – 849 MHz) is covered by LTE Band 26 (814 – 849 MHz)
- LTE Band 38 (2570 – 2620 MHz) is covered by LTE Band 41 (2496 – 2690 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 Higher order modulations. When the highest maximum output power for Higher order modulations are ≤ 0.5 dB higher than the QPSK or when the reported SAR for QPSK configuration is ≤ 1.45 W/kg.

LTE Band 7 (Ant B) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)									
				DSI = 2, 3					DSI = 0, 1				
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				20850	21100	21350			20850	21100	21350		
				2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	23.59	23.57	23.46	0.00	25.00	17.50	17.48	17.41	0.00	18.00
		1	49	23.61	23.50	23.48	0.00	25.00	17.55	17.45	17.42	0.00	18.00
		1	99	23.64	23.43	23.38	0.00	25.00	17.59	17.46	17.34	0.00	18.00
		50	0	22.74	22.56	22.53	1.00	24.00	17.68	17.56	17.46	0.00	18.00
		50	24	22.76	22.64	22.59	1.00	24.00	17.71	17.59	17.51	0.00	18.00
		50	50	22.70	22.58	22.55	1.00	24.00	17.65	17.52	17.51	0.00	18.00
		100	0	22.73	22.63	22.57	1.00	24.00	17.67	17.56	17.51	0.00	18.00
	16QAM	1	0	23.02	22.76	22.72	1.00	24.00	17.74	17.60	17.58	0.00	18.00
		1	49	23.06	22.80	22.75	1.00	24.00	17.79	17.67	17.67	0.00	18.00
		1	99	22.99	22.74	22.63	1.00	24.00	17.69	17.52	17.42	0.00	18.00
		50	0	21.76	21.58	21.55	2.00	23.00	17.70	17.57	17.47	0.00	18.00
		50	24	21.77	21.66	21.63	2.00	23.00	17.70	17.59	17.53	0.00	18.00
		50	50	21.72	21.63	21.57	2.00	23.00	17.67	17.58	17.52	0.00	18.00
		100	0	21.74	21.64	21.60	2.00	23.00	17.66	17.59	17.51	0.00	18.00
	64QAM	1	0	21.88	21.80	21.63	2.00	23.00	17.76	17.70	17.59	0.00	18.00
		1	49	21.79	21.78	21.64	2.00	23.00	17.73	17.65	17.59	0.00	18.00
		1	99	21.86	21.62	21.56	2.00	23.00	17.63	17.54	17.53	0.00	18.00
		50	0	20.74	20.57	20.53	3.00	22.00	17.65	17.51	17.45	0.00	18.00
		50	24	20.75	20.66	20.60	3.00	22.00	17.65	17.57	17.53	0.00	18.00
		50	50	20.69	20.60	20.55	3.00	22.00	17.61	17.54	17.50	0.00	18.00
		100	0	20.72	20.64	20.60	3.00	22.00	17.62	17.55	17.50	0.00	18.00
	256QAM	1	0	18.83	18.72	18.64	5.00	20.00	17.75	17.57	17.60	0.00	18.00
		1	49	18.87	18.72	18.67	5.00	20.00	17.80	17.59	17.64	0.00	18.00
		1	99	18.90	18.77	18.71	5.00	20.00	17.77	17.65	17.68	0.00	18.00
		50	0	18.72	18.56	18.51	5.00	20.00	17.65	17.52	17.44	0.00	18.00
		50	24	18.73	18.66	18.60	5.00	20.00	17.68	17.58	17.52	0.00	18.00
		50	50	18.70	18.61	18.56	5.00	20.00	17.63	17.55	17.50	0.00	18.00
		100	0	18.70	18.65	18.58	5.00	20.00	17.64	17.53	17.52	0.00	18.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				20825.00	21100.00	21375.00			20825.00	21100.00	21375.00		
				2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	23.00	23.04	23.06	0.00	25.00	17.51	17.48	17.56	0.00	18.00
		1	37	23.05	23.16	23.17	0.00	25.00	17.64	17.55	17.71	0.00	18.00
		1	74	23.03	23.16	23.17	0.00	25.00	17.68	17.49	17.61	0.00	18.00
		36	0	21.96	22.06	22.08	1.00	24.00	17.67	17.51	17.65	0.00	18.00
		36	20	21.97	22.06	22.09	1.00	24.00	17.65	17.49	17.65	0.00	18.00
		36	39	22.07	22.17	22.19	1.00	24.00	17.64	17.55	17.64	0.00	18.00
		75	0	21.98	22.08	22.11	1.00	24.00	17.67	17.50	17.65	0.00	18.00
	16QAM	1	0	22.21	22.33	22.45	1.00	24.00	17.67	17.62	17.71	0.00	18.00
		1	37	22.30	22.62	22.64	1.00	24.00	17.77	17.75	17.82	0.00	18.00
		1	74	22.27	22.51	22.59	1.00	24.00	17.79	17.72	17.61	0.00	18.00
		36	0	21.00	21.08	21.11	2.00	23.00	17.67	17.54	17.66	0.00	18.00
		36	20	21.01	21.09	21.11	2.00	23.00	17.67	17.52	17.67	0.00	18.00
		36	39	21.09	21.16	21.21	2.00	23.00	17.66	17.54	17.65	0.00	18.00
		75	0	21.02	21.10	21.14	2.00	23.00	17.70	17.54	17.66	0.00	18.00
	64QAM	1	0	21.11	21.23	21.12	2.00	23.00	17.78	17.67	17.72	0.00	18.00
		1	37	21.32	21.44	21.29	2.00	23.00	17.91	17.82	17.90	0.00	18.00
		1	74	21.23	21.44	21.25	2.00	23.00	17.87	17.72	17.82	0.00	18.00
		36	0	20.00	20.10	20.03	3.00	22.00	17.66	17.49	17.66	0.00	18.00
		36	20	20.02	20.12	20.01	3.00	22.00	17.67	17.50	17.65	0.00	18.00
		36	39	20.10	20.20	20.12	3.00	22.00	17.62	17.55	17.63	0.00	18.00
		75	0	20.04	20.13	20.04	3.00	22.00	17.67	17.51	17.68	0.00	18.00
	256QAM	1	0	18.20	18.25	18.18	5.00	20.00	17.82	17.61	17.80	0.00	18.00
		1	37	18.41	18.40	18.35	5.00	20.00	17.91	17.79	17.98	0.00	18.00
		1	74	18.38	18.47	18.39	5.00	20.00	17.96	17.86	17.94	0.00	18.00
		36	0	17.99	18.12	18.00	5.00	20.00	17.66	17.49	17.65	0.00	18.00
		36	20	18.01	18.12	18.05	5.00	20.00	17.65	17.49	17.65	0.00	18.00
		36	39	18.10	18.19	18.10	5.00	20.00	17.64	17.54	17.63	0.00	18.00
		75	0	18.03	18.12	18.03	5.00	20.00	17.64	17.47	17.64	0.00	18.00

LTE Band 7 (Ant B) Measured Results_(Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	23.22	23.24	23.21	0.00	25.00	17.56	17.47	17.56	0.00	18.00
		1	25	23.27	23.30	23.28	0.00	25.00	17.66	17.53	17.67	0.00	18.00
		1	49	23.26	23.31	23.23	0.00	25.00	17.60	17.45	17.56	0.00	18.00
		25	0	22.26	22.19	22.20	1.00	24.00	17.64	17.49	17.62	0.00	18.00
		25	12	22.29	22.29	22.27	1.00	24.00	17.65	17.52	17.65	0.00	18.00
		25	25	22.26	22.30	22.26	1.00	24.00	17.66	17.50	17.65	0.00	18.00
		50	0	22.26	22.30	22.26	1.00	24.00	17.68	17.50	17.67	0.00	18.00
	16QAM	1	0	22.60	22.59	22.57	1.00	24.00	17.62	17.67	17.65	0.00	18.00
		1	25	22.63	22.59	22.57	1.00	24.00	17.79	17.71	17.79	0.00	18.00
		1	49	22.65	22.62	22.61	1.00	24.00	17.72	17.72	17.83	0.00	18.00
		25	0	21.28	21.23	21.18	2.00	23.00	17.62	17.49	17.63	0.00	18.00
		25	12	21.30	21.33	21.30	2.00	23.00	17.65	17.53	17.66	0.00	18.00
		25	25	21.28	21.32	21.27	2.00	23.00	17.66	17.51	17.64	0.00	18.00
		50	0	21.26	21.29	21.27	2.00	23.00	17.69	17.52	17.68	0.00	18.00
	64QAM	1	0	21.47	21.42	21.32	2.00	23.00	17.68	17.66	17.70	0.00	18.00
		1	25	21.49	21.46	21.36	2.00	23.00	17.94	17.73	17.86	0.00	18.00
		1	49	21.50	21.44	21.32	2.00	23.00	17.81	17.69	17.80	0.00	18.00
		25	0	20.25	20.14	20.05	3.00	22.00	17.65	17.51	17.64	0.00	18.00
		25	12	20.28	20.23	20.21	3.00	22.00	17.68	17.51	17.67	0.00	18.00
		25	25	20.27	20.22	20.21	3.00	22.00	17.77	17.50	17.65	0.00	18.00
		50	0	20.30	20.21	20.20	3.00	22.00	17.76	17.54	17.66	0.00	18.00
	256QAM	1	0	18.30	18.22	18.20	5.00	20.00	17.85	17.66	17.73	0.00	18.00
		1	25	18.40	18.44	18.34	5.00	20.00	17.92	17.77	17.86	0.00	18.00
		1	49	18.36	18.39	18.28	5.00	20.00	17.83	17.73	17.77	0.00	18.00
		25	0	18.24	18.15	18.11	5.00	20.00	17.78	17.49	17.66	0.00	18.00
		25	12	18.29	18.24	18.26	5.00	20.00	17.85	17.53	17.69	0.00	18.00
		25	25	18.28	18.23	18.21	5.00	20.00	17.79	17.53	17.71	0.00	18.00
		50	0	18.25	18.22	18.20	5.00	20.00	17.77	17.48	17.68	0.00	18.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	23.08	23.02	23.01	0.00	25.00	17.60	17.52	17.52	0.00	18.00
		1	12	23.10	23.06	23.04	0.00	25.00	17.57	17.54	17.54	0.00	18.00
		1	24	23.08	23.09	23.09	0.00	25.00	17.67	17.57	17.65	0.00	18.00
		12	0	23.07	23.04	23.09	1.00	24.00	17.57	17.50	17.55	0.00	18.00
		12	7	23.07	23.08	23.07	1.00	24.00	17.56	17.50	17.55	0.00	18.00
		12	13	23.06	23.08	23.05	1.00	24.00	17.56	17.49	17.55	0.00	18.00
		25	0	22.06	22.06	22.03	1.00	24.00	17.64	17.50	17.63	0.00	18.00
	16QAM	1	0	22.27	22.33	22.29	1.00	24.00	17.74	17.78	17.73	0.00	18.00
		1	12	22.29	22.36	22.33	1.00	24.00	17.74	17.79	17.75	0.00	18.00
		1	24	22.39	22.37	22.38	1.00	24.00	17.86	17.82	17.82	0.00	18.00
		12	0	22.17	22.12	22.21	2.00	23.00	17.54	17.53	17.59	0.00	18.00
		12	7	22.17	22.12	22.20	2.00	23.00	17.54	17.57	17.58	0.00	18.00
		12	13	22.14	22.14	22.20	2.00	23.00	17.53	17.56	17.58	0.00	18.00
		25	0	21.09	21.07	21.09	2.00	23.00	17.65	17.52	17.65	0.00	18.00
	64QAM	1	0	21.12	21.26	21.14	2.00	23.00	17.69	17.71	17.76	0.00	18.00
		1	12	21.15	21.31	21.15	2.00	23.00	17.73	17.73	17.78	0.00	18.00
		1	24	21.21	21.34	21.13	2.00	23.00	17.78	17.79	17.82	0.00	18.00
		12	0	20.97	21.08	20.99	3.00	22.00	17.58	17.52	17.58	0.00	18.00
		12	7	20.98	21.08	21.00	3.00	22.00	17.55	17.52	17.59	0.00	18.00
		12	13	20.98	21.11	20.97	3.00	22.00	17.57	17.51	17.58	0.00	18.00
		25	0	19.96	20.06	19.96	3.00	22.00	17.66	17.52	17.62	0.00	18.00
	256QAM	1	0	18.18	18.33	18.14	5.00	20.00	17.72	17.69	17.72	0.00	18.00
		1	12	18.19	18.33	18.13	5.00	20.00	17.74	17.64	17.75	0.00	18.00
		1	24	18.22	18.40	18.34	5.00	20.00	17.86	17.77	17.92	0.00	18.00
		12	0	17.97	18.12	18.00	5.00	20.00	17.56	17.52	17.56	0.00	18.00
		12	7	17.97	18.08	17.97	5.00	20.00	17.55	17.51	17.54	0.00	18.00
		12	13	17.95	18.09	17.96	5.00	20.00	17.58	17.51	17.55	0.00	18.00
		25	0	17.95	18.07	17.94	5.00	20.00	17.65	17.50	17.60	0.00	18.00

LTE Band 7 (Ant F) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)														
				DSI = 3					DSI = 0, 1					DSI = 2				
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				20850	21100	21350			20850	21100	21350			20850	21100	21350		
				2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	23.21	23.21	23.25	0.00	24.00	18.10	18.11	18.27	0.00	20.00	17.09	17.15	17.16	0.00	19.00
		1	49	23.23	23.19	23.20	0.00	24.00	18.07	18.07	18.22	0.00	20.00	17.17	17.09	17.11	0.00	19.00
		1	99	23.19	23.18	23.21	0.00	24.00	18.01	18.03	18.17	0.00	20.00	17.10	17.10	17.21	0.00	19.00
		50	0	22.25	22.29	22.42	1.00	23.00	18.13	18.08	18.25	0.00	20.00	17.17	17.17	17.17	0.00	19.00
		50	24	22.35	22.34	22.45	1.00	23.00	18.19	18.15	18.34	0.00	20.00	17.25	17.20	17.21	0.00	19.00
		50	50	22.30	22.31	22.48	1.00	23.00	18.17	18.10	18.35	0.00	20.00	17.25	17.21	17.31	0.00	19.00
		100	0	22.34	22.32	22.40	1.00	23.00	18.20	18.15	18.34	0.00	20.00	17.23	17.21	17.21	0.00	19.00
	16QAM	1	0	22.61	22.66	22.71	1.00	23.00	18.54	18.51	18.58	0.00	20.00	17.40	17.55	17.55	0.00	19.00
		1	49	22.71	22.61	22.80	1.00	23.00	18.66	18.50	18.71	0.00	20.00	17.40	17.58	17.55	0.00	19.00
		1	99	22.61	22.63	22.85	1.00	23.00	18.42	18.43	18.69	0.00	20.00	17.37	17.54	17.51	0.00	19.00
		50	0	21.28	21.29	21.44	2.00	22.00	18.12	18.10	18.26	0.00	20.00	17.18	17.19	17.21	0.00	19.00
		50	24	21.37	21.35	21.45	2.00	22.00	18.21	18.20	18.36	0.00	20.00	17.26	17.21	17.23	0.00	19.00
		50	50	21.32	21.30	21.52	2.00	22.00	18.18	18.13	18.34	0.00	20.00	17.25	17.19	17.20	0.00	19.00
		100	0	21.36	21.34	21.47	2.00	22.00	18.20	18.18	18.36	0.00	20.00	17.24	17.20	17.23	0.00	19.00
	64QAM	1	0	21.41	21.44	21.52	2.00	22.00	18.23	18.30	18.39	0.00	20.00	17.41	17.37	17.34	0.00	19.00
		1	49	21.45	21.43	21.65	2.00	22.00	18.36	18.34	18.51	0.00	20.00	17.44	17.35	17.32	0.00	19.00
		1	99	21.39	21.43	21.64	2.00	22.00	18.27	18.22	18.50	0.00	20.00	17.34	17.29	17.34	0.00	19.00
		50	0	20.26	20.30	20.41	3.00	21.00	18.12	18.10	18.26	0.00	20.00	17.20	17.17	17.20	0.00	19.00
		50	24	20.37	20.36	20.45	3.00	21.00	18.22	18.18	18.34	0.00	20.00	17.26	17.20	17.21	0.00	19.00
		50	50	20.33	20.33	20.50	3.00	21.00	18.17	18.13	18.32	0.00	20.00	17.28	17.22	17.22	0.00	19.00
		100	0	20.36	20.37	20.43	3.00	21.00	18.21	18.17	18.32	0.00	20.00	17.27	17.21	17.20	0.00	19.00
	256QAM	1	0	18.44	18.47	18.57	5.00	19.00	18.29	18.35	18.44	0.00	20.00	17.34	17.34	17.40	0.00	19.00
		1	49	18.48	18.59	18.60	5.00	19.00	18.34	18.24	18.50	0.00	20.00	17.37	17.30	17.34	0.00	19.00
		1	99	18.51	18.51	18.70	5.00	19.00	18.38	18.41	18.59	0.00	20.00	17.41	17.42	17.39	0.00	19.00
		50	0	18.29	18.27	18.41	5.00	19.00	18.09	18.09	18.27	0.00	20.00	17.16	17.13	17.13	0.00	19.00
		50	24	18.56	18.35	18.43	5.00	19.00	18.19	18.15	18.34	0.00	20.00	17.27	17.19	17.19	0.00	19.00
		50	50	18.52	18.31	18.50	5.00	19.00	18.16	18.14	18.38	0.00	20.00	17.25	17.16	17.18	0.00	19.00
		100	0	18.39	18.34	18.42	5.00	19.00	18.17	18.14	18.37	0.00	20.00	17.25	17.20	17.19	0.00	19.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				20825.00	21100.00	21375.00			20825.00	21100.00	21375.00			20825.00	21100.00	21375.00		
				2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	23.22	23.17	23.25	0.00	24.00	18.09	18.27	18.09	0.00	20.00	17.10	17.12	17.18	0.00	19.00
		1	37	23.36	23.19	23.37	0.00	24.00	18.13	18.12	18.09	0.00	20.00	17.11	17.15	17.23	0.00	19.00
		1	74	23.38	23.21	23.38	0.00	24.00	18.07	18.08	18.08	0.00	20.00	17.07	17.10	17.21	0.00	19.00
		36	0	22.32	22.18	22.31	1.00	23.00	18.11	18.08	18.07	0.00	20.00	17.14	17.15	17.21	0.00	19.00
		36	20	22.33	22.18	22.33	1.00	23.00	18.17	18.04	18.06	0.00	20.00	17.15	17.09	17.27	0.00	19.00
		36	39	22.40	22.24	22.42	1.00	23.00	18.14	18.10	18.12	0.00	20.00	17.16	17.16	17.33	0.00	19.00
		75	0	22.35	22.19	22.35	1.00	23.00	18.18	18.06	18.06	0.00	20.00	17.11	17.12	17.23	0.00	19.00
	16QAM	1	0	22.47	22.39	22.43	1.00	23.00	18.37	18.46	18.53	0.00	20.00	17.50	17.54	17.53	0.00	19.00
		1	37	22.73	22.49	22.53	1.00	23.00	18.41	18.54	18.65	0.00	20.00	17.49	17.61	17.63	0.00	19.00
		1	74	22.65	22.41	22.57	1.00	23.00	18.34	18.49	18.48	0.00	20.00	17.51	17.55	17.55	0.00	19.00
		36	0	21.33	21.19	21.35	2.00	22.00	18.11	18.09	18.10	0.00	20.00	17.14	17.15	17.25	0.00	19.00
		36	20	21.37	21.21	21.36	2.00	22.00	18.22	18.10	18.08	0.00	20.00	17.13	17.16	17.30	0.00	19.00
		36	39	21.42	21.26	21.44	2.00	22.00	18.19	18.13	18.13	0.00	20.00	17.17	17.16	17.34	0.00	19.00
		75	0	21.38	21.21	21.37	2.00	22.00	18.23	18.08	18.07	0.00	20.00	17.15	17.13	17.26	0.00	19.00
	64QAM	1	0	21.46	21.42	21.38	2.00	22.00	18.18	18.31	18.08	0.00	20.00	17.25	17.31	17.17	0.00	19.00
		1	37	21.56	21.50	21.61	2.00	22.00	18.26	18.32	18.33	0.00	20.00	17.42	17.41	17.21	0.00	19.00
		1	74	21.57	21.47	21.61	2.00	22.00	18.22	18.27	18.29	0.00	20.00	17.37	17.36	17.21	0.00	19.00
		36	0	20.34	20.23	20.34	3.00	21.00	18.11	18.11	18.10	0.00	20.00	17.17	17.16	17.12	0.00	19.00
		36	20	20.37	20.20	20.37	3.00	21.00	18.19	18.07	18.07	0.00	20.00	17.14	17.14	17.13	0.00	19.00
		36	39	20.44	20.26	20.46	3.00	21.00	18.14	18.14	18.10	0.00	20.00	17.18	17.16	17.14	0.00	19.00
		75	0	20.36	20.20	20.38	3.00	21.00	18.21	18.08	18.06	0.00	20.00	17.16	17.13	17.15	0.00	19.00
	256QAM	1	0	18.50	18.47	18.58	5.00	19.00	18.20	18.25	18.23	0.00	20.00	17.39	17.31	17.23	0.00	19.00
		1	37	18.64	18.45	18.76	5.00	19.00	18.27	18.26	18.29	0.00	20.00	17.41	17.35	17.26	0.00	19.00
		1	74	18.74	18.53	18.85	5.00	19.00	18.33	18.35	18.36	0.00	20.00	17.51	17.36	17.30	0.00	19.00
		36	0	18.41	18.22	18.43	5.00	19.00	18.13	18.08	18.08	0.00	20.00	17.14	17.13	17.10	0.00	19.00
		36	20	18.42	18.22	18.42	5.00	19.00	18.18	18.05	18.06	0.00	20.00	17.10	17.12	17.14	0.00	19.00
		36	39	18.47	18.27	18.47	5.00	19.00	18.17	18.08	18.09	0.00	20.00	17.17	17.17	17.12	0.00	19.00
		75	0	18.41	18.21	18.40	5.00	19.00	18.18	18.05	18.05	0.00	20.00	17.10	17.12	17.14	0.00	19.00

LTE Band 7 (Ant F) Measured Results (Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				20800.00	21100.00	21400.00			20800.00	21100.00	21400.00			20800.00	21100.00	21400.00		
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	23.32	23.34	23.54	0.00	24.00	18.22	18.24	18.21	0.00	20.00	17.22	17.22	17.39	0.00	19.00
		1	25	23.38	23.35	23.62	0.00	24.00	18.28	18.23	18.23	0.00	20.00	17.28	17.22	17.46	0.00	19.00
		1	49	23.33	23.30	23.56	0.00	24.00	18.22	18.17	18.13	0.00	20.00	17.22	17.21	17.43	0.00	19.00
		25	0	22.30	22.28	22.51	1.00	23.00	18.19	18.16	18.15	0.00	20.00	17.27	17.20	17.41	0.00	19.00
		25	12	22.39	22.35	22.62	1.00	23.00	18.28	18.26	18.26	0.00	20.00	17.31	17.28	17.50	0.00	19.00
		25	25	22.36	22.33	22.59	1.00	23.00	18.26	18.22	18.21	0.00	20.00	17.28	17.26	17.46	0.00	19.00
		50	0	22.38	22.35	22.59	1.00	23.00	18.28	18.22	18.20	0.00	20.00	17.26	17.23	17.45	0.00	19.00
	16QAM	1	0	22.51	22.45	22.79	1.00	23.00	18.58	18.50	18.58	0.00	20.00	17.58	17.64	17.76	0.00	19.00
		1	25	22.54	22.50	22.75	1.00	23.00	18.53	18.51	18.61	0.00	20.00	17.56	17.60	17.74	0.00	19.00
		1	49	22.49	22.50	22.77	1.00	23.00	18.52	18.53	18.61	0.00	20.00	17.58	17.53	17.76	0.00	19.00
		25	0	21.32	21.30	21.54	2.00	22.00	18.21	18.17	18.17	0.00	20.00	17.27	17.22	17.40	0.00	19.00
		25	12	21.40	21.37	21.61	2.00	22.00	18.33	18.29	18.26	0.00	20.00	17.31	17.29	17.47	0.00	19.00
		25	25	21.40	21.33	21.59	2.00	22.00	18.28	18.22	18.24	0.00	20.00	17.28	17.24	17.50	0.00	19.00
		50	0	21.37	21.34	21.61	2.00	22.00	18.28	18.24	18.22	0.00	20.00	17.29	17.26	17.50	0.00	19.00
	64QAM	1	0	21.60	21.59	21.80	2.00	22.00	18.39	18.50	18.39	0.00	20.00	17.39	17.39	17.57	0.00	19.00
		1	25	21.60	21.58	21.86	2.00	22.00	18.42	18.40	18.40	0.00	20.00	17.46	17.41	17.63	0.00	19.00
		1	49	21.56	21.55	21.78	2.00	22.00	18.28	18.33	18.37	0.00	20.00	17.39	17.25	17.61	0.00	19.00
		25	0	20.32	20.32	20.54	3.00	21.00	18.21	18.18	18.21	0.00	20.00	17.29	17.22	17.41	0.00	19.00
		25	12	20.41	20.40	20.67	3.00	21.00	18.30	18.27	18.30	0.00	20.00	17.37	17.29	17.50	0.00	19.00
		25	25	20.39	20.41	20.65	3.00	21.00	18.30	18.24	18.23	0.00	20.00	17.32	17.27	17.51	0.00	19.00
		50	0	20.40	20.37	20.62	3.00	21.00	18.27	18.23	18.24	0.00	20.00	17.32	17.26	17.48	0.00	19.00
	256QAM	1	0	18.43	18.47	18.66	5.00	19.00	18.27	18.31	18.34	0.00	20.00	17.29	17.32	17.46	0.00	19.00
		1	25	18.52	18.61	18.81	5.00	19.00	18.36	18.42	18.49	0.00	20.00	17.41	17.41	17.57	0.00	19.00
		1	49	18.49	18.56	18.76	5.00	19.00	18.35	18.31	18.42	0.00	20.00	17.38	17.34	17.52	0.00	19.00
		25	0	18.34	18.35	18.57	5.00	19.00	18.17	18.20	18.20	0.00	20.00	17.23	17.18	17.38	0.00	19.00
		25	12	18.44	18.41	18.68	5.00	19.00	18.28	18.30	18.28	0.00	20.00	17.34	17.27	17.52	0.00	19.00
		25	25	18.38	18.41	18.63	5.00	19.00	18.25	18.28	18.24	0.00	20.00	17.32	17.24	17.48	0.00	19.00
		50	0	18.40	18.39	18.65	5.00	19.00	18.25	18.27	18.25	0.00	20.00	17.29	17.22	17.46	0.00	19.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				20775.00	21100.00	21425.00			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			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	23.20	23.18	23.24	0.00	24.00	18.04	18.09	18.04	0.00	20.00	17.10	17.11	17.07	0.00	19.00
		1	12	23.22	23.15	23.25	0.00	24.00	18.07	18.12	18.06	0.00	20.00	17.09	17.09	17.07	0.00	19.00
		1	24	23.33	23.18	23.40	0.00	24.00	18.10	18.11	18.10	0.00	20.00	17.12	17.10	17.12	0.00	19.00
		12	0	22.22	22.21	22.29	1.00	23.00	18.08	18.12	18.06	0.00	20.00	17.05	17.02	17.01	0.00	19.00
		12	7	22.25	22.16	22.29	1.00	23.00	18.04	18.08	18.04	0.00	20.00	17.03	17.00	17.03	0.00	19.00
		12	13	22.33	22.16	22.35	1.00	23.00	18.04	18.08	18.05	0.00	20.00	17.03	17.06	17.04	0.00	19.00
		25	0	22.27	22.17	22.29	1.00	23.00	18.04	18.07	18.05	0.00	20.00	17.08	17.06	17.08	0.00	19.00
	16QAM	1	0	22.29	22.36	22.49	1.00	23.00	18.54	18.54	18.42	0.00	20.00	17.50	17.49	17.45	0.00	19.00
		1	12	22.29	22.37	22.50	1.00	23.00	18.53	18.45	18.47	0.00	20.00	17.50	17.47	17.49	0.00	19.00
		1	24	22.43	22.44	22.56	1.00	23.00	18.44	18.47	18.49	0.00	20.00	17.50	17.51	17.46	0.00	19.00
		12	0	21.24	21.36	21.24	2.00	22.00	18.24	18.17	18.25	0.00	20.00	17.21	17.15	17.07	0.00	19.00
		12	7	21.27	21.25	21.20	2.00	22.00	18.18	18.15	18.23	0.00	20.00	17.20	17.15	17.05	0.00	19.00
		12	13	21.34	21.23	21.26	2.00	22.00	18.18	18.14	18.23	0.00	20.00	17.23	17.15	17.05	0.00	19.00
		25	0	21.29	21.17	21.32	2.00	22.00	18.09	18.04	18.04	0.00	20.00	17.13	17.07	17.11	0.00	19.00
	64QAM	1	0	21.48	21.41	21.48	2.00	22.00	18.28	18.30	18.28	0.00	20.00	17.30	17.27	17.29	0.00	19.00
		1	12	21.52	21.39	21.47	2.00	22.00	18.30	18.31	18.29	0.00	20.00	17.29	17.25	17.25	0.00	19.00
		1	24	21.60	21.45	21.61	2.00	22.00	18.29	18.35	18.28	0.00	20.00	17.33	17.32	17.32	0.00	19.00
		12	0	20.30	20.22	20.28	3.00	21.00	18.12	18.12	18.12	0.00	20.00	17.09	17.10	17.09	0.00	19.00
		12	7	20.29	20.21	20.29	3.00	21.00	18.12	18.11	18.10	0.00	20.00	17.10	17.10	17.08	0.00	19.00
		12	13	20.34	20.20	20.34	3.00	21.00	18.11	18.10	18.11	0.00	20.00	17.09	17.08	17.10	0.00	19.00
		25	0	20.29	20.19	20.33	3.00	21.00	18.08	18.07	18.05	0.00	20.00	17.12	17.10	17.08	0.00	19.00
	256QAM	1	0	18.52	18.44	18.64	5.00	19.00	18.28	18.25	18.25	0.00	20.00	17.29	17.27	17.35	0.00	19.00
		1	12	18.58	18.38	18.51	5.00	19.00	18.26	18.18	18.22	0.00	20.00	17.26	17.28	17.33	0.00	19.00
		1	24	18.69	18.44	18.62	5.00	19.00	18.39	18.26	18.27	0.00	20.00	17.28	17.39	17.37	0.00	19.00
		12	0	18.31	18.21	18.33	5.00	19.00	18.07	18.09	18.08	0.00	20.00	17.10	17.10	17.10	0.00	19.00
		12	7	18.35	18.18	18.37	5.00	19.00	18.06	18.05	18.04	0.00	20.00	17.08	17.11	17.08	0.00	19.00
		12	13	18.35	18.20	18.35	5.00	19.00	18.04	18.06	18.07	0.00	20.00	17.09	17.08	17.07	0.00	19.00
		25	0	18.35	18.20	18.35	5.00	19.00	18.05	18.07	18.04	0.00	20.00	17.07	17.08	17.10	0.00	19.00

LTE Band 12 Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				
				DSI = 0, 1, 2, 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				23060	23095	23130		
				704 MHz	707.5 MHz	711 MHz		
10 MHz	QPSK	1	0		23.66		0.00	25.50
		1	25		23.68		0.00	25.50
		1	49		23.81		0.00	25.50
		25	0		22.62		1.00	24.50
		25	12		22.73		1.00	24.50
		25	25		22.75		1.00	24.50
		50	0		22.75		1.00	24.50
	16QAM	1	0		23.02		1.00	24.50
		1	25		23.07		1.00	24.50
		1	49		23.25		1.00	24.50
		25	0		21.64		2.00	23.50
		25	12		21.75		2.00	23.50
		25	25		21.78		2.00	23.50
		50	0		21.71		2.00	23.50
	64QAM	1	0		21.75		2.00	23.50
		1	25		21.79		2.00	23.50
		1	49		21.89		2.00	23.50
		25	0		20.60		3.00	22.50
		25	12		20.69		3.00	22.50
		25	25		20.77		3.00	22.50
		50	0		20.69		3.00	22.50
	256QAM	1	0		18.76		5.00	20.50
		1	25		18.84		5.00	20.50
		1	49		18.90		5.00	20.50
		25	0		18.61		5.00	20.50
		25	12		18.71		5.00	20.50
		25	25		18.66		5.00	20.50
		50	0		18.69		5.00	20.50

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23035.00	23095.00	23155.00		
				701.5 MHz	707.5 MHz	713.5 MHz		
5 MHz	QPSK	1	0	23.66	23.57	23.82	0.00	25.50
		1	12	23.73	23.69	23.94	0.00	25.50
		1	24	23.63	23.74	23.82	0.00	25.50
		12	0	22.64	22.61	22.76	1.00	24.50
		12	7	22.73	22.71	22.89	1.00	24.50
		12	13	22.68	22.69	22.87	1.00	24.50
		25	0	22.67	22.67	22.85	1.00	24.50
	16QAM	1	0	22.78	22.80	23.09	1.00	24.50
		1	12	22.86	22.87	23.11	1.00	24.50
		1	24	22.74	22.89	23.04	1.00	24.50
		12	0	21.60	21.64	21.79	2.00	23.50
		12	7	21.71	21.74	21.92	2.00	23.50
		12	13	21.68	21.71	21.89	2.00	23.50
		25	0	21.66	21.69	21.86	2.00	23.50
	64QAM	1	0	21.74	21.75	21.98	2.00	23.50
		1	12	21.80	21.79	22.01	2.00	23.50
		1	24	21.73	21.75	22.00	2.00	23.50
		12	0	20.62	20.58	20.79	3.00	22.50
		12	7	20.73	20.70	20.89	3.00	22.50
		12	13	20.67	20.66	20.85	3.00	22.50
		25	0	20.67	20.65	20.83	3.00	22.50
	256QAM	1	0	18.80	18.67	18.85	5.00	20.50
		1	12	18.91	18.79	19.08	5.00	20.50
		1	24	18.79	18.75	18.98	5.00	20.50
		12	0	18.63	18.61	18.79	5.00	20.50
		12	7	18.71	18.71	18.87	5.00	20.50
		12	13	18.67	18.69	18.82	5.00	20.50
		25	0	18.70	18.69	18.83	5.00	20.50

LTE Band 12 Measured Results_(Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23025.00	23095.00	23165.00		
				700.5 MHz	707.5 MHz	714.5 MHz		
3 MHz	QPSK	1	0	23.59	23.55	23.82	0.00	25.50
		1	8	23.68	23.71	23.90	0.00	25.50
		1	14	23.61	23.63	23.82	0.00	25.50
		8	0	22.67	22.58	22.80	1.00	24.50
		8	4	22.71	22.68	22.82	1.00	24.50
		8	7	22.70	22.69	22.91	1.00	24.50
		15	0	22.66	22.66	22.81	1.00	24.50
	16QAM	1	0	22.81	22.78	23.07	1.00	24.50
		1	8	22.89	22.86	23.19	1.00	24.50
		1	14	22.75	22.75	23.03	1.00	24.50
		8	0	21.72	21.63	21.81	2.00	23.50
		8	4	21.75	21.74	21.84	2.00	23.50
		8	7	21.73	21.73	21.92	2.00	23.50
		15	0	21.68	21.70	21.78	2.00	23.50
	64QAM	1	0	21.69	21.86	22.01	2.00	23.50
		1	8	21.83	21.95	22.18	2.00	23.50
		1	14	21.71	21.84	22.05	2.00	23.50
		8	0	20.71	20.62	20.84	3.00	22.50
		8	4	20.73	20.72	20.88	3.00	22.50
		8	7	20.70	20.72	20.98	3.00	22.50
		15	0	20.66	20.67	20.79	3.00	22.50
	256QAM	1	0	18.74	18.62	18.94	5.00	20.50
		1	8	18.89	18.81	19.12	5.00	20.50
		1	14	18.72	18.73	18.99	5.00	20.50
		8	0	18.71	18.63	18.83	5.00	20.50
		8	4	18.75	18.75	18.89	5.00	20.50
		8	7	18.73	18.72	18.93	5.00	20.50
		15	0	18.68	18.71	18.82	5.00	20.50

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23017.00	23095.00	23173.00		
				699.7 MHz	707.5 MHz	715.3 MHz		
1.4 MHz	QPSK	1	0	23.64	23.61	23.86	0.00	25.50
		1	3	23.65	23.67	23.91	0.00	25.50
		1	5	23.62	23.65	23.92	0.00	25.50
		3	0	23.65	23.62	23.87	0.00	25.50
		3	1	23.66	23.68	23.89	0.00	25.50
		3	3	23.64	23.67	23.87	0.00	25.50
		6	0	22.65	22.65	22.78	1.00	24.50
	16QAM	1	0	22.82	22.81	23.04	1.00	24.50
		1	3	22.80	22.81	23.09	1.00	24.50
		1	5	22.74	22.87	23.05	1.00	24.50
		3	0	22.73	22.65	22.86	1.00	24.50
		3	1	22.72	22.72	22.88	1.00	24.50
		3	3	22.71	22.71	22.92	1.00	24.50
		6	0	21.78	21.64	21.75	2.00	23.50
	64QAM	1	0	21.73	21.75	21.98	2.00	23.50
		1	3	21.80	21.81	22.10	2.00	23.50
		1	5	21.70	21.80	22.07	2.00	23.50
		3	0	21.73	21.64	21.95	2.00	23.50
		3	1	21.73	21.68	21.96	2.00	23.50
		3	3	21.72	21.68	21.97	2.00	23.50
		6	0	20.61	20.63	20.83	3.00	22.50
	256QAM	1	0	18.79	18.76	18.87	5.00	20.50
		1	3	18.80	18.91	18.93	5.00	20.50
		1	5	18.75	18.88	18.92	5.00	20.50
		3	0	18.71	18.63	18.88	5.00	20.50
		3	1	18.73	18.75	18.91	5.00	20.50
		3	3	18.71	18.72	18.93	5.00	20.50
		6	0	18.58	18.61	18.77	5.00	20.50

LTE Band 13 Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
				DSI = 0, 1, 2, 3				
				Measured Pwr (dBm)				
				[redacted]	23230	[redacted]		
					782 MHz			
10 MHz	QPSK	1	0		23.89		0.00	25.50
		1	25		23.87		0.00	25.50
		1	49		23.69		0.00	25.50
		25	0		22.83		1.00	24.50
		25	12		22.82		1.00	24.50
		25	25		22.73		1.00	24.50
		50	0		22.84		1.00	24.50
	16QAM	1	0		23.22		1.00	24.50
		1	25		23.17		1.00	24.50
		1	49		23.03		1.00	24.50
		25	0		21.87		2.00	23.50
		25	12		21.85		2.00	23.50
		25	25		21.72		2.00	23.50
		50	0		21.86		2.00	23.50
	64QAM	1	0		22.11		2.00	23.50
		1	25		22.10		2.00	23.50
		1	49		21.94		2.00	23.50
		25	0		20.88		3.00	22.50
		25	12		20.85		3.00	22.50
		25	25		20.79		3.00	22.50
		50	0		20.85		3.00	22.50
	256QAM	1	0		18.92		5.00	20.50
		1	25		19.01		5.00	20.50
		1	49		18.81		5.00	20.50
		25	0		18.87		5.00	20.50
		25	12		18.82		5.00	20.50
		25	25		18.79		5.00	20.50
		50	0		18.82		5.00	20.50
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23205.00	23230.00	23255.00		
				779.5 MHz	782 MHz	784.5 MHz		
5 MHz	QPSK	1	0		23.79		0.00	25.50
		1	12		23.86		0.00	25.50
		1	24		23.74		0.00	25.50
		12	0		22.74		1.00	24.50
		12	7		22.80		1.00	24.50
		12	13		22.76		1.00	24.50
		25	0		22.76		1.00	24.50
	16QAM	1	0		23.21		1.00	24.50
		1	12		23.26		1.00	24.50
		1	24		23.16		1.00	24.50
		12	0		21.87		2.00	23.50
		12	7		21.91		2.00	23.50
		12	13		21.88		2.00	23.50
		25	0		21.78		2.00	23.50
	64QAM	1	0		22.02		2.00	23.50
		1	12		22.10		2.00	23.50
		1	24		21.95		2.00	23.50
		12	0		20.80		3.00	22.50
		12	7		20.84		3.00	22.50
		12	13		20.81		3.00	22.50
		25	0		20.79		3.00	22.50
	256QAM	1	0		18.90		5.00	20.50
		1	12		19.04		5.00	20.50
		1	24		18.81		5.00	20.50
		12	0		18.78		5.00	20.50
		12	7		18.80		5.00	20.50
		12	13		18.78		5.00	20.50
		25	0		18.79		5.00	20.50

LTE Band 14 Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
				DSI = 0, 1, 2, 3				
				Measured Pwr (dBm)				
				[redacted]	23330	[redacted]		
				[redacted]	793 MHz	[redacted]		
10 MHz	QPSK	1	0	[redacted]	23.69	[redacted]	0.00	25.50
		1	25	[redacted]	23.81	[redacted]	0.00	25.50
		1	49	[redacted]	23.83	[redacted]	0.00	25.50
		25	0	[redacted]	22.72	[redacted]	1.00	24.50
		25	12	[redacted]	22.84	[redacted]	1.00	24.50
		25	25	[redacted]	22.85	[redacted]	1.00	24.50
		50	0	[redacted]	22.89	[redacted]	1.00	24.50
	16QAM	1	0	[redacted]	23.12	[redacted]	1.00	24.50
		1	25	[redacted]	23.16	[redacted]	1.00	24.50
		1	49	[redacted]	23.27	[redacted]	1.00	24.50
		25	0	[redacted]	21.74	[redacted]	2.00	23.50
		25	12	[redacted]	21.83	[redacted]	2.00	23.50
		25	25	[redacted]	21.83	[redacted]	2.00	23.50
		50	0	[redacted]	21.83	[redacted]	2.00	23.50
	64QAM	1	0	[redacted]	21.88	[redacted]	2.00	23.50
		1	25	[redacted]	21.97	[redacted]	2.00	23.50
		1	49	[redacted]	22.01	[redacted]	2.00	23.50
		25	0	[redacted]	20.73	[redacted]	3.00	22.50
		25	12	[redacted]	20.81	[redacted]	3.00	22.50
		25	25	[redacted]	20.81	[redacted]	3.00	22.50
		50	0	[redacted]	20.81	[redacted]	3.00	22.50
	256QAM	1	0	[redacted]	18.78	[redacted]	5.00	20.50
		1	25	[redacted]	18.92	[redacted]	5.00	20.50
		1	49	[redacted]	18.90	[redacted]	5.00	20.50
		25	0	[redacted]	18.71	[redacted]	5.00	20.50
		25	12	[redacted]	18.79	[redacted]	5.00	20.50
		25	25	[redacted]	18.78	[redacted]	5.00	20.50
		50	0	[redacted]	18.79	[redacted]	5.00	20.50
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23305.00	23330.00	23355.00		
				790.5 MHz	793 MHz	795.5 MHz		
5 MHz	QPSK	1	0	[redacted]	23.75	[redacted]	0.00	25.50
		1	12	[redacted]	23.85	[redacted]	0.00	25.50
		1	24	[redacted]	23.78	[redacted]	0.00	25.50
		12	0	[redacted]	22.73	[redacted]	1.00	24.50
		12	7	[redacted]	22.86	[redacted]	1.00	24.50
		12	13	[redacted]	22.82	[redacted]	1.00	24.50
		25	0	[redacted]	22.82	[redacted]	1.00	24.50
	16QAM	1	0	[redacted]	23.06	[redacted]	1.00	24.50
		1	12	[redacted]	23.16	[redacted]	1.00	24.50
		1	24	[redacted]	23.14	[redacted]	1.00	24.50
		12	0	[redacted]	21.89	[redacted]	2.00	23.50
		12	7	[redacted]	22.00	[redacted]	2.00	23.50
		12	13	[redacted]	21.96	[redacted]	2.00	23.50
		25	0	[redacted]	21.88	[redacted]	2.00	23.50
	64QAM	1	0	[redacted]	21.88	[redacted]	2.00	23.50
		1	12	[redacted]	22.00	[redacted]	2.00	23.50
		1	24	[redacted]	21.98	[redacted]	2.00	23.50
		12	0	[redacted]	20.72	[redacted]	3.00	22.50
		12	7	[redacted]	20.83	[redacted]	3.00	22.50
		12	13	[redacted]	20.80	[redacted]	3.00	22.50
		25	0	[redacted]	20.78	[redacted]	3.00	22.50
	256QAM	1	0	[redacted]	18.78	[redacted]	5.00	20.50
		1	12	[redacted]	19.01	[redacted]	5.00	20.50
		1	24	[redacted]	18.89	[redacted]	5.00	20.50
		12	0	[redacted]	18.68	[redacted]	5.00	20.50
		12	7	[redacted]	18.82	[redacted]	5.00	20.50
		12	13	[redacted]	18.75	[redacted]	5.00	20.50
		25	0	[redacted]	18.76	[redacted]	5.00	20.50

LTE Band 25 (Ant B) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)									
				DSI = 2, 3					DSI = 0, 1				
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				26140	26365	26590			26140	26365	26590		
				1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	QPSK	1	0	23.62	23.37	23.39	0.00	25.00	19.18	19.00	18.93	0.00	20.00
		1	49	23.60	23.38	23.45	0.00	25.00	19.09	18.91	18.95	0.00	20.00
		1	99	23.48	23.34	23.38	0.00	25.00	18.98	18.85	18.91	0.00	20.00
		50	0	22.71	22.46	22.41	1.00	24.00	19.22	19.03	18.99	0.00	20.00
		50	24	22.67	22.45	22.50	1.00	24.00	19.20	19.03	19.04	0.00	20.00
		50	50	22.53	22.42	22.48	1.00	24.00	19.07	18.98	19.03	0.00	20.00
		100	0	22.57	22.46	22.50	1.00	24.00	19.11	19.01	19.05	0.00	20.00
	16QAM	1	0	22.89	22.66	22.68	1.00	24.00	19.54	19.35	19.34	0.00	20.00
		1	49	22.84	22.65	22.73	1.00	24.00	19.63	19.29	19.40	0.00	20.00
		1	99	22.71	22.62	22.63	1.00	24.00	19.37	19.19	19.37	0.00	20.00
		50	0	21.70	21.51	21.42	2.00	23.00	19.23	19.07	18.98	0.00	20.00
		50	24	21.68	21.48	21.51	2.00	23.00	19.21	19.02	19.06	0.00	20.00
		50	50	21.55	21.45	21.49	2.00	23.00	19.07	18.99	19.01	0.00	20.00
		100	0	21.58	21.46	21.52	2.00	23.00	19.10	19.01	19.07	0.00	20.00
	64QAM	1	0	21.76	21.55	21.66	2.00	23.00	19.33	19.16	19.14	0.00	20.00
		1	49	21.76	21.56	21.69	2.00	23.00	19.26	19.15	19.16	0.00	20.00
		1	99	21.68	21.49	21.69	2.00	23.00	19.08	19.05	19.08	0.00	20.00
		50	0	20.70	20.45	20.42	3.00	22.00	19.19	19.02	18.97	0.00	20.00
		50	24	20.65	20.45	20.50	3.00	22.00	19.19	19.01	19.05	0.00	20.00
		50	50	20.55	20.42	20.46	3.00	22.00	19.06	18.98	18.99	0.00	20.00
		100	0	20.56	20.44	20.49	3.00	22.00	19.11	19.00	19.05	0.00	20.00
	256QAM	1	0	18.88	18.71	18.67	5.00	20.00	19.40	19.26	19.12	0.00	20.00
		1	49	18.76	18.63	18.65	5.00	20.00	19.35	19.16	19.13	0.00	20.00
		1	99	18.72	18.69	18.74	5.00	20.00	19.22	19.21	19.15	0.00	20.00
		50	0	18.69	18.46	18.40	5.00	20.00	19.21	19.02	18.97	0.00	20.00
		50	24	18.70	18.46	18.48	5.00	20.00	19.19	19.02	19.05	0.00	20.00
		50	50	18.56	18.43	18.48	5.00	20.00	19.09	18.99	19.02	0.00	20.00
		100	0	18.59	18.45	18.53	5.00	20.00	19.09	19.01	19.03	0.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				26115.00	26365.00	26615.00			26115.00	26365.00	26615.00		
				1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	QPSK	1	0	23.60	23.45	23.42	0.00	25.00	19.18	19.17	19.16	0.00	20.00
		1	37	23.61	23.41	23.42	0.00	25.00	19.14	19.20	19.21	0.00	20.00
		1	74	23.59	23.33	23.43	0.00	25.00	19.11	19.10	19.11	0.00	20.00
		36	0	22.72	22.47	22.44	1.00	24.00	19.23	19.22	19.23	0.00	20.00
		36	20	22.60	22.43	22.42	1.00	24.00	19.10	19.20	19.21	0.00	20.00
		36	39	22.56	22.43	22.49	1.00	24.00	19.09	19.11	19.10	0.00	20.00
		75	0	22.58	22.45	22.43	1.00	24.00	19.10	19.19	19.21	0.00	20.00
	16QAM	1	0	22.84	22.60	22.56	1.00	24.00	19.33	19.35	19.31	0.00	20.00
		1	37	22.80	22.51	22.60	1.00	24.00	19.26	19.41	19.45	0.00	20.00
		1	74	22.74	22.48	22.53	1.00	24.00	19.22	19.28	19.22	0.00	20.00
		36	0	21.71	21.47	21.43	2.00	23.00	19.22	19.22	19.22	0.00	20.00
		36	20	21.58	21.44	21.42	2.00	23.00	19.14	19.21	19.22	0.00	20.00
		36	39	21.57	21.44	21.51	2.00	23.00	19.12	19.10	19.13	0.00	20.00
		75	0	21.58	21.46	21.44	2.00	23.00	19.13	19.21	19.21	0.00	20.00
	64QAM	1	0	21.84	21.52	21.57	2.00	23.00	19.35	19.29	19.09	0.00	20.00
		1	37	21.81	21.47	21.59	2.00	23.00	19.28	19.38	19.12	0.00	20.00
		1	74	21.78	21.44	21.52	2.00	23.00	19.29	19.24	19.11	0.00	20.00
		36	0	20.73	20.52	20.43	3.00	22.00	19.21	19.21	18.94	0.00	20.00
		36	20	20.61	20.46	20.41	3.00	22.00	19.13	19.20	18.91	0.00	20.00
		36	39	20.59	20.46	20.48	3.00	22.00	19.10	19.09	18.97	0.00	20.00
		75	0	20.60	20.46	20.41	3.00	22.00	19.11	19.18	18.94	0.00	20.00
	256QAM	1	0	18.85	18.65	18.61	5.00	20.00	19.25	19.43	19.03	0.00	20.00
		1	37	18.82	18.57	18.61	5.00	20.00	19.21	19.49	19.11	0.00	20.00
		1	74	18.73	18.61	18.67	5.00	20.00	19.14	19.38	19.14	0.00	20.00
		36	0	18.71	18.53	18.43	5.00	20.00	19.23	19.23	18.93	0.00	20.00
		36	20	18.63	18.47	18.41	5.00	20.00	19.13	19.21	18.92	0.00	20.00
		36	39	18.59	18.46	18.48	5.00	20.00	19.12	19.12	19.00	0.00	20.00
		75	0	18.62	18.50	18.40	5.00	20.00	19.13	19.19	18.94	0.00	20.00

LTE Band 25 (Ant B) Measured Results_(Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	23.66	23.39	23.62	0.00	25.00	19.17	18.94	19.16	0.00	20.00
		1	25	23.69	23.51	23.74	0.00	25.00	19.24	19.02	19.20	0.00	20.00
		1	49	23.59	23.44	23.58	0.00	25.00	19.13	18.91	19.11	0.00	20.00
		25	0	22.66	22.47	22.66	1.00	24.00	19.21	18.99	19.17	0.00	20.00
		25	12	22.69	22.46	22.68	1.00	24.00	19.22	19.02	19.20	0.00	20.00
		25	25	22.69	22.46	22.67	1.00	24.00	19.21	19.02	19.19	0.00	20.00
		50	0	22.71	22.49	22.67	1.00	24.00	19.23	19.02	19.21	0.00	20.00
	16QAM	1	0	22.85	22.68	22.76	1.00	24.00	19.34	19.13	19.30	0.00	20.00
		1	25	22.89	22.72	22.82	1.00	24.00	19.39	19.18	19.36	0.00	20.00
		1	49	22.77	22.64	22.76	1.00	24.00	19.36	19.12	19.32	0.00	20.00
		25	0	21.70	21.48	21.68	2.00	23.00	19.20	19.00	19.20	0.00	20.00
		25	12	21.69	21.51	21.68	2.00	23.00	19.21	19.00	19.22	0.00	20.00
		25	25	21.68	21.48	21.67	2.00	23.00	19.20	19.00	19.21	0.00	20.00
		50	0	21.72	21.48	21.68	2.00	23.00	19.23	19.02	19.20	0.00	20.00
	64QAM	1	0	21.83	21.66	21.75	2.00	23.00	19.34	19.12	19.28	0.00	20.00
		1	25	21.92	21.72	21.88	2.00	23.00	19.37	19.14	19.47	0.00	20.00
		1	49	21.79	21.68	21.78	2.00	23.00	19.31	19.18	19.35	0.00	20.00
		25	0	20.67	20.48	20.70	3.00	22.00	19.20	18.99	19.20	0.00	20.00
		25	12	20.69	20.51	20.69	3.00	22.00	19.22	19.02	19.22	0.00	20.00
		25	25	20.66	20.49	20.69	3.00	22.00	19.21	19.00	19.22	0.00	20.00
		50	0	20.68	20.51	20.69	3.00	22.00	19.22	19.00	19.22	0.00	20.00
	256QAM	1	0	18.89	18.76	18.84	5.00	20.00	19.45	19.31	19.41	0.00	20.00
		1	25	18.95	18.71	18.93	5.00	20.00	19.47	19.32	19.47	0.00	20.00
		1	49	18.77	18.61	18.76	5.00	20.00	19.36	19.19	19.31	0.00	20.00
		25	0	18.68	18.50	18.71	5.00	20.00	19.20	19.01	19.24	0.00	20.00
		25	12	18.74	18.54	18.75	5.00	20.00	19.24	19.02	19.29	0.00	20.00
		25	25	18.72	18.53	18.75	5.00	20.00	19.23	19.04	19.24	0.00	20.00
		50	0	18.68	18.51	18.70	5.00	20.00	19.22	19.01	19.22	0.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	23.80	23.51	23.58	0.00	25.00	19.27	19.08	19.09	0.00	20.00
		1	12	23.87	23.58	23.69	0.00	25.00	19.34	19.13	19.18	0.00	20.00
		1	24	23.81	23.48	23.62	0.00	25.00	19.26	19.04	19.13	0.00	20.00
		12	0	22.83	22.53	22.53	1.00	24.00	19.35	19.11	19.07	0.00	20.00
		12	7	22.83	22.55	22.57	1.00	24.00	19.39	19.12	19.13	0.00	20.00
		12	13	22.83	22.50	22.60	1.00	24.00	19.33	19.13	19.17	0.00	20.00
		25	0	22.81	22.52	22.50	1.00	24.00	19.34	19.08	19.04	0.00	20.00
	16QAM	1	0	22.83	22.67	22.67	1.00	24.00	19.51	19.17	19.37	0.00	20.00
		1	12	22.96	22.73	22.79	1.00	24.00	19.57	19.24	19.41	0.00	20.00
		1	24	22.84	22.63	22.70	1.00	24.00	19.47	19.16	19.30	0.00	20.00
		12	0	21.83	21.50	21.55	2.00	23.00	19.35	19.14	19.07	0.00	20.00
		12	7	21.86	21.54	21.58	2.00	23.00	19.39	19.15	19.08	0.00	20.00
		12	13	21.82	21.51	21.60	2.00	23.00	19.33	19.13	19.14	0.00	20.00
		25	0	21.83	21.54	21.56	2.00	23.00	19.36	19.09	19.06	0.00	20.00
	64QAM	1	0	21.95	21.62	21.66	2.00	23.00	19.43	19.10	19.23	0.00	20.00
		1	12	22.00	21.68	21.72	2.00	23.00	19.49	19.14	19.23	0.00	20.00
		1	24	21.91	21.63	21.71	2.00	23.00	19.47	19.06	19.19	0.00	20.00
		12	0	20.85	20.53	20.52	3.00	22.00	19.35	19.07	19.07	0.00	20.00
		12	7	20.87	20.57	20.57	3.00	22.00	19.43	19.08	19.12	0.00	20.00
		12	13	20.86	20.55	20.65	3.00	22.00	19.43	19.08	19.19	0.00	20.00
		25	0	20.82	20.52	20.54	3.00	22.00	19.38	19.04	19.07	0.00	20.00
	256QAM	1	0	19.00	18.67	18.60	5.00	20.00	19.47	19.14	19.10	0.00	20.00
		1	12	19.03	18.71	18.76	5.00	20.00	19.45	19.19	19.27	0.00	20.00
		1	24	18.94	18.66	18.66	5.00	20.00	19.36	19.08	19.21	0.00	20.00
		12	0	18.84	18.52	18.55	5.00	20.00	19.35	19.07	19.05	0.00	20.00
		12	7	18.83	18.55	18.57	5.00	20.00	19.38	19.09	19.08	0.00	20.00
		12	13	18.81	18.52	18.59	5.00	20.00	19.34	19.07	19.14	0.00	20.00
		25	0	18.82	18.54	18.53	5.00	20.00	19.36	19.08	19.04	0.00	20.00

LTE Band 25 (Ant B) Measured Results_(Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	23.78	23.48	23.53	0.00	25.00	19.30	19.00	19.03	0.00	20.00
		1	8	23.85	23.55	23.63	0.00	25.00	19.39	19.09	19.17	0.00	20.00
		1	14	23.76	23.48	23.56	0.00	25.00	19.27	18.99	19.04	0.00	20.00
		8	0	22.78	22.50	22.51	1.00	24.00	19.35	19.04	19.02	0.00	20.00
		8	4	22.84	22.54	22.56	1.00	24.00	19.39	19.06	19.05	0.00	20.00
		8	7	22.82	22.53	22.53	1.00	24.00	19.38	19.10	19.07	0.00	20.00
		15	0	22.82	22.51	22.53	1.00	24.00	19.36	19.08	19.04	0.00	20.00
	16QAM	1	0	22.95	22.71	22.67	1.00	24.00	19.54	19.16	19.16	0.00	20.00
		1	8	22.98	22.75	22.84	1.00	24.00	19.64	19.23	19.22	0.00	20.00
		1	14	22.95	22.71	22.69	1.00	24.00	19.54	19.22	19.21	0.00	20.00
		8	0	21.85	21.54	21.55	2.00	23.00	19.37	19.09	19.07	0.00	20.00
		8	4	21.87	21.57	21.58	2.00	23.00	19.42	19.14	19.12	0.00	20.00
		8	7	21.85	21.56	21.57	2.00	23.00	19.40	19.12	19.10	0.00	20.00
		15	0	21.82	21.53	21.54	2.00	23.00	19.32	19.07	19.04	0.00	20.00
	64QAM	1	0	22.08	21.66	21.68	2.00	23.00	19.49	19.10	19.17	0.00	20.00
		1	8	22.09	21.73	21.80	2.00	23.00	19.52	19.18	19.29	0.00	20.00
		1	14	22.03	21.63	21.72	2.00	23.00	19.44	19.06	19.22	0.00	20.00
		8	0	20.82	20.54	20.51	3.00	22.00	19.41	19.06	19.12	0.00	20.00
		8	4	20.83	20.58	20.54	3.00	22.00	19.44	19.10	19.16	0.00	20.00
		8	7	20.84	20.57	20.53	3.00	22.00	19.45	19.08	19.13	0.00	20.00
		15	0	20.83	20.53	20.53	3.00	22.00	19.42	19.07	19.08	0.00	20.00
	256QAM	1	0	18.83	18.61	18.62	5.00	20.00	19.42	19.06	19.04	0.00	20.00
		1	8	18.91	18.71	18.77	5.00	20.00	19.53	19.17	19.24	0.00	20.00
		1	14	18.82	18.64	18.67	5.00	20.00	19.39	19.14	19.17	0.00	20.00
		8	0	18.85	18.52	18.52	5.00	20.00	19.36	19.06	19.03	0.00	20.00
		8	4	18.84	18.54	18.55	5.00	20.00	19.37	19.10	19.08	0.00	20.00
		8	7	18.84	18.55	18.57	5.00	20.00	19.40	19.10	19.09	0.00	20.00
		15	0	18.80	18.50	18.52	5.00	20.00	19.37	19.06	19.03	0.00	20.00

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	23.81	23.50	23.54	0.00	25.00	19.31	19.04	19.11	0.00	20.00
		1	3	23.79	23.48	23.55	0.00	25.00	19.32	19.12	19.17	0.00	20.00
		1	5	23.80	23.45	23.48	0.00	25.00	19.32	19.05	19.13	0.00	20.00
		3	0	23.79	23.50	23.54	0.00	25.00	19.34	19.06	19.09	0.00	20.00
		3	1	23.80	23.49	23.55	0.00	25.00	19.33	19.05	19.09	0.00	20.00
		3	3	23.80	23.50	23.57	0.00	25.00	19.34	19.09	19.11	0.00	20.00
		6	0	22.77	22.46	22.56	1.00	24.00	19.34	19.05	19.11	0.00	20.00
	16QAM	1	0	22.99	22.63	22.70	1.00	24.00	19.45	19.19	19.25	0.00	20.00
		1	3	22.99	22.65	22.72	1.00	24.00	19.44	19.15	19.30	0.00	20.00
		1	5	22.96	22.59	22.71	1.00	24.00	19.43	19.14	19.23	0.00	20.00
		3	0	22.85	22.62	22.71	1.00	24.00	19.38	19.05	19.22	0.00	20.00
		3	1	22.89	22.59	22.67	1.00	24.00	19.41	19.12	19.19	0.00	20.00
		3	3	22.88	22.59	22.69	1.00	24.00	19.39	19.05	19.22	0.00	20.00
		6	0	21.81	21.49	21.51	2.00	23.00	19.45	19.03	19.10	0.00	20.00
	64QAM	1	0	21.93	21.59	21.77	2.00	23.00	19.51	19.20	19.25	0.00	20.00
		1	3	21.95	21.68	21.90	2.00	23.00	19.51	19.21	19.36	0.00	20.00
		1	5	21.96	21.57	21.82	2.00	23.00	19.51	19.17	19.34	0.00	20.00
		3	0	21.87	21.54	21.63	2.00	23.00	19.39	19.10	19.24	0.00	20.00
		3	1	21.85	21.59	21.65	2.00	23.00	19.43	19.11	19.24	0.00	20.00
		3	3	21.86	21.54	21.64	2.00	23.00	19.40	19.09	19.24	0.00	20.00
		6	0	20.80	20.55	20.57	3.00	22.00	19.36	19.07	19.07	0.00	20.00
	256QAM	1	0	18.88	18.52	18.65	5.00	20.00	19.40	19.07	19.17	0.00	20.00
		1	3	18.94	18.55	18.67	5.00	20.00	19.45	19.14	19.25	0.00	20.00
		1	5	18.89	18.51	18.62	5.00	20.00	19.40	19.08	19.20	0.00	20.00
		3	0	18.81	18.50	18.61	5.00	20.00	19.36	19.06	19.13	0.00	20.00
		3	1	18.81	18.50	18.60	5.00	20.00	19.36	19.05	19.15	0.00	20.00
		3	3	18.83	18.51	18.61	5.00	20.00	19.38	19.08	19.21	0.00	20.00
		6	0	18.71	18.53	18.70	5.00	20.00	19.35	19.16	19.09	0.00	20.00

LTE Band 25 (Ant F) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)									
				DSI = 2, 3					DSI = 0, 1				
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				26140	26365	26590			26140	26365	26590		
				1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	QPSK	1	0	22.54	22.23	22.24	0.00	23.50	20.00	19.59	19.61	0.00	21.00
		1	49	22.53	22.17	22.29	0.00	23.50	19.59	19.58	19.63	0.00	21.00
		1	99	22.40	22.18	22.26	0.00	23.50	19.52	19.56	19.62	0.00	21.00
		50	0	22.61	22.29	22.34	0.00	23.50	19.81	19.68	19.71	0.00	21.00
		50	24	22.55	22.29	22.35	0.00	23.50	19.67	19.67	19.71	0.00	21.00
		50	50	22.48	22.26	22.39	0.00	23.50	19.66	19.64	19.77	0.00	21.00
		100	0	22.50	22.29	22.32	0.00	23.50	19.73	19.66	19.70	0.00	21.00
	16QAM	1	0	22.94	22.53	22.59	0.00	23.50	19.93	19.95	19.91	0.00	21.00
		1	49	23.06	22.56	22.63	0.00	23.50	19.95	19.90	20.01	0.00	21.00
		1	99	22.78	22.47	22.59	0.00	23.50	19.87	19.80	19.91	0.00	21.00
		50	0	22.13	21.83	21.85	1.00	22.50	19.69	19.65	19.71	0.00	21.00
		50	24	22.05	21.83	21.87	1.00	22.50	19.67	19.64	19.71	0.00	21.00
		50	50	22.00	21.79	21.91	1.00	22.50	19.67	19.63	19.76	0.00	21.00
		100	0	22.04	21.79	21.87	1.00	22.50	19.67	19.66	19.68	0.00	21.00
	64QAM	1	0	22.26	21.96	22.22	1.00	22.50	19.77	19.81	19.85	0.00	21.00
		1	49	22.22	21.97	21.87	1.00	22.50	19.76	19.81	19.84	0.00	21.00
		1	99	22.10	21.94	21.91	1.00	22.50	19.77	19.78	19.77	0.00	21.00
		50	0	21.12	20.77	20.78	2.00	21.50	19.64	19.67	19.71	0.00	21.00
		50	24	21.03	20.78	20.77	2.00	21.50	19.64	19.67	19.71	0.00	21.00
		50	50	21.00	20.78	20.74	2.00	21.50	19.62	19.63	19.76	0.00	21.00
		100	0	21.03	20.78	20.78	2.00	21.50	19.65	19.68	19.71	0.00	21.00
	256QAM	1	0	19.29	19.00	19.04	3.00	20.50	19.02	18.95	18.95	1.00	20.00
		1	49	19.22	18.88	18.98	3.00	20.50	18.90	18.83	18.94	1.00	20.00
		1	99	19.16	18.96	18.99	3.00	20.50	19.00	18.90	19.10	1.00	20.00
		50	0	19.13	18.78	18.81	3.00	20.50	18.73	18.76	18.79	1.00	20.00
		50	24	19.05	18.81	18.79	3.00	20.50	18.75	18.76	18.81	1.00	20.00
		50	50	19.01	18.78	18.79	3.00	20.50	18.73	18.76	18.89	1.00	20.00
		100	0	19.06	18.78	18.79	3.00	20.50	18.72	18.76	18.83	1.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				26115.00	26365.00	26615.00			26115.00	26365.00	26615.00		
				1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	QPSK	1	0	22.39	22.23	22.25	0.00	23.50	19.86	19.69	19.72	0.00	21.00
		1	37	22.36	22.19	22.29	0.00	23.50	19.81	19.66	19.79	0.00	21.00
		1	74	22.33	22.17	22.26	0.00	23.50	19.79	19.65	19.72	0.00	21.00
		36	0	22.43	22.30	22.29	0.00	23.50	19.90	19.75	19.78	0.00	21.00
		36	20	22.41	22.25	22.29	0.00	23.50	19.88	19.73	19.76	0.00	21.00
		36	39	22.33	22.26	22.28	0.00	23.50	19.78	19.74	19.84	0.00	21.00
		75	0	22.33	22.27	22.29	0.00	23.50	19.80	19.75	19.85	0.00	21.00
	16QAM	1	0	22.69	22.47	22.62	0.00	23.50	20.20	20.05	20.06	0.00	21.00
		1	37	22.65	22.47	22.73	0.00	23.50	20.18	20.00	20.08	0.00	21.00
		1	74	22.66	22.43	22.68	0.00	23.50	20.17	19.97	20.09	0.00	21.00
		36	0	21.93	21.81	21.82	1.00	22.50	19.90	19.76	19.78	0.00	21.00
		36	20	21.93	21.79	21.82	1.00	22.50	19.89	19.74	19.76	0.00	21.00
		36	39	21.81	21.79	21.82	1.00	22.50	19.79	19.76	19.86	0.00	21.00
		75	0	21.85	21.79	21.79	1.00	22.50	19.79	19.75	19.88	0.00	21.00
	64QAM	1	0	22.07	21.86	21.95	1.00	22.50	19.98	19.80	19.90	0.00	21.00
		1	37	22.05	21.82	22.00	1.00	22.50	20.01	19.83	19.93	0.00	21.00
		1	74	22.05	21.79	21.96	1.00	22.50	20.02	19.74	19.91	0.00	21.00
		36	0	20.96	20.81	20.80	2.00	21.50	19.92	19.72	19.76	0.00	21.00
		36	20	20.95	20.77	20.79	2.00	21.50	19.90	19.73	19.78	0.00	21.00
		36	39	20.83	20.78	20.78	2.00	21.50	19.79	19.72	19.85	0.00	21.00
		75	0	20.85	20.78	20.78	2.00	21.50	19.81	19.75	19.86	0.00	21.00
	256QAM	1	0	19.08	18.98	18.96	3.00	20.50	19.12	18.95	18.94	1.00	20.00
		1	37	19.10	18.94	19.01	3.00	20.50	19.13	18.96	19.02	1.00	20.00
		1	74	18.95	18.99	19.00	3.00	20.50	19.07	19.02	19.12	1.00	20.00
		36	0	18.95	18.79	18.81	3.00	20.50	19.01	18.84	18.88	1.00	20.00
		36	20	18.96	18.77	18.80	3.00	20.50	18.98	18.85	18.87	1.00	20.00
		36	39	18.90	18.78	18.79	3.00	20.50	18.91	18.83	18.94	1.00	20.00
		75	0	18.87	18.76	18.79	3.00	20.50	18.90	18.83	18.95	1.00	20.00

LTE Band 25 (Ant F) Measured Results_(Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	22.67	22.45	22.28	0.00	23.50	19.98	19.81	19.81	0.00	21.00
		1	25	22.64	22.50	22.34	0.00	23.50	20.02	19.84	19.83	0.00	21.00
		1	49	22.60	22.46	22.26	0.00	23.50	19.94	19.78	19.78	0.00	21.00
		25	0	22.64	22.48	22.34	0.00	23.50	20.01	19.83	19.84	0.00	21.00
		25	12	22.67	22.52	22.36	0.00	23.50	20.03	19.87	19.89	0.00	21.00
		25	25	22.65	22.47	22.35	0.00	23.50	20.06	19.86	19.84	0.00	21.00
		50	0	22.64	22.48	22.38	0.00	23.50	20.02	19.86	19.85	0.00	21.00
	16QAM	1	0	22.99	22.80	22.69	0.00	23.50	20.39	20.23	20.18	0.00	21.00
		1	25	22.99	22.81	22.81	0.00	23.50	20.41	20.19	20.22	0.00	21.00
		1	49	22.90	22.79	22.77	0.00	23.50	20.38	20.24	20.21	0.00	21.00
		25	0	22.21	22.00	21.89	1.00	22.50	20.07	19.94	19.92	0.00	21.00
		25	12	22.22	22.04	21.90	1.00	22.50	20.11	19.96	19.98	0.00	21.00
		25	25	22.19	22.02	21.90	1.00	22.50	20.06	19.93	19.94	0.00	21.00
		50	0	22.18	22.00	21.90	1.00	22.50	20.08	19.90	19.88	0.00	21.00
	64QAM	1	0	22.25	22.14	22.28	1.00	22.50	20.14	19.95	19.90	0.00	21.00
		1	25	22.29	22.15	22.09	1.00	22.50	20.22	20.01	19.96	0.00	21.00
		1	49	22.24	22.09	22.08	1.00	22.50	20.14	19.95	19.90	0.00	21.00
		25	0	21.14	20.98	20.86	2.00	21.50	20.00	19.87	19.85	0.00	21.00
		25	12	21.18	21.01	20.86	2.00	21.50	20.05	19.87	19.85	0.00	21.00
		25	25	21.14	20.99	20.86	2.00	21.50	20.03	19.85	19.86	0.00	21.00
		50	0	21.16	21.00	20.85	2.00	21.50	20.01	19.86	19.84	0.00	21.00
	256QAM	1	0	19.29	19.05	19.06	3.00	20.50	19.20	19.04	19.01	1.00	20.00
		1	25	19.34	19.12	19.16	3.00	20.50	19.26	19.09	19.10	1.00	20.00
		1	49	19.27	19.06	18.96	3.00	20.50	19.19	19.02	19.04	1.00	20.00
		25	0	19.18	18.98	18.87	3.00	20.50	19.13	18.95	18.94	1.00	20.00
		25	12	19.20	19.01	18.91	3.00	20.50	19.15	18.96	18.98	1.00	20.00
		25	25	19.16	18.98	18.91	3.00	20.50	19.13	18.95	18.96	1.00	20.00
		50	0	19.16	19.40	18.88	3.00	20.50	19.13	18.92	18.93	1.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	22.59	22.40	22.56	0.00	23.50	19.99	19.77	19.90	0.00	21.00
		1	12	22.67	22.50	22.59	0.00	23.50	20.05	19.84	19.96	0.00	21.00
		1	24	22.57	22.42	22.54	0.00	23.50	19.96	19.79	19.91	0.00	21.00
		12	0	22.65	22.46	22.51	0.00	23.50	20.06	19.83	19.86	0.00	21.00
		12	7	22.68	22.48	22.64	0.00	23.50	20.10	19.87	19.95	0.00	21.00
		12	13	22.63	22.46	22.59	0.00	23.50	20.06	19.85	19.94	0.00	21.00
		25	0	22.65	22.48	22.59	0.00	23.50	20.06	19.87	19.94	0.00	21.00
	16QAM	1	0	22.97	22.80	22.97	0.00	23.50	20.34	20.16	20.28	0.00	21.00
		1	12	23.03	22.91	23.00	0.00	23.50	20.42	20.24	20.32	0.00	21.00
		1	24	22.94	22.81	22.95	0.00	23.50	20.38	20.23	20.27	0.00	21.00
		12	0	22.21	22.01	22.02	1.00	22.50	20.03	19.92	19.95	0.00	21.00
		12	7	22.25	22.04	22.14	1.00	22.50	20.06	19.94	20.09	0.00	21.00
		12	13	22.23	22.03	22.11	1.00	22.50	20.00	19.90	20.04	0.00	21.00
		25	0	22.18	21.97	22.10	1.00	22.50	20.11	19.87	20.00	0.00	21.00
	64QAM	1	0	22.31	22.11	22.22	1.00	22.50	20.16	19.98	20.08	0.00	21.00
		1	12	22.39	22.16	22.25	1.00	22.50	20.21	20.04	20.15	0.00	21.00
		1	24	22.32	22.08	22.20	1.00	22.50	20.15	19.95	20.06	0.00	21.00
		12	0	21.19	20.96	21.01	2.00	21.50	20.04	19.85	19.89	0.00	21.00
		12	7	21.21	20.99	21.11	2.00	21.50	20.06	19.89	20.00	0.00	21.00
		12	13	21.17	20.97	21.09	2.00	21.50	20.02	19.86	19.97	0.00	21.00
		25	0	21.19	20.94	21.10	2.00	21.50	20.04	19.85	19.97	0.00	21.00
	256QAM	1	0	19.21	18.99	19.12	3.00	20.50	19.25	18.95	19.05	1.00	20.00
		1	12	19.26	19.08	19.23	3.00	20.50	19.30	19.03	19.18	1.00	20.00
		1	24	19.18	18.99	19.17	3.00	20.50	19.27	18.98	19.12	1.00	20.00
		12	0	19.17	18.94	19.02	3.00	20.50	19.11	18.91	18.97	1.00	20.00
		12	7	19.18	18.98	19.12	3.00	20.50	19.15	18.98	19.05	1.00	20.00
		12	13	19.15	18.94	19.08	3.00	20.50	19.12	18.97	19.05	1.00	20.00
		25	0	19.17	18.93	19.10	3.00	20.50	19.13	18.94	19.05	1.00	20.00

LTE Band 25 (Ant F) Measured Results_(Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	22.57	22.34	22.50	0.00	23.50	19.99	19.77	19.69	0.00	21.00
		1	8	22.67	22.44	22.62	0.00	23.50	20.07	19.88	19.71	0.00	21.00
		1	14	22.57	22.35	22.50	0.00	23.50	19.97	19.80	19.69	0.00	21.00
		8	0	22.61	22.41	22.47	0.00	23.50	20.03	19.81	19.76	0.00	21.00
		8	4	22.66	22.43	22.58	0.00	23.50	20.08	19.88	19.77	0.00	21.00
		8	7	22.65	22.41	22.60	0.00	23.50	20.07	19.87	19.75	0.00	21.00
		15	0	22.64	22.41	22.58	0.00	23.50	20.04	19.83	19.72	0.00	21.00
	16QAM	1	0	22.96	22.70	22.83	0.00	23.50	20.26	20.10	19.99	0.00	21.00
		1	8	23.00	22.77	22.93	0.00	23.50	20.43	20.19	20.02	0.00	21.00
		1	14	22.94	22.71	22.86	0.00	23.50	20.32	20.08	19.97	0.00	21.00
		8	0	22.16	21.98	22.08	1.00	22.50	20.16	19.91	19.75	0.00	21.00
		8	4	22.20	22.01	22.22	1.00	22.50	20.20	19.93	19.77	0.00	21.00
		8	7	22.20	22.00	22.21	1.00	22.50	20.18	19.93	19.76	0.00	21.00
		15	0	22.17	21.96	22.17	1.00	22.50	20.12	19.86	19.72	0.00	21.00
	64QAM	1	0	22.25	22.09	22.17	1.00	22.50	20.14	19.94	19.83	0.00	21.00
		1	8	22.35	22.14	22.25	1.00	22.50	20.20	20.04	19.86	0.00	21.00
		1	14	22.24	22.09	22.15	1.00	22.50	20.13	19.92	19.83	0.00	21.00
		8	0	21.14	21.05	21.02	2.00	21.50	20.05	19.88	19.74	0.00	21.00
		8	4	21.17	21.07	21.13	2.00	21.50	20.11	19.90	19.78	0.00	21.00
		8	7	21.18	21.03	21.14	2.00	21.50	20.11	19.89	19.77	0.00	21.00
		15	0	21.10	20.99	21.06	2.00	21.50	20.05	19.82	19.74	0.00	21.00
	256QAM	1	0	19.27	19.01	19.10	3.00	20.50	19.19	19.06	19.13	1.00	20.00
		1	8	19.33	19.11	19.26	3.00	20.50	19.28	19.19	19.02	1.00	20.00
		1	14	19.25	19.02	19.18	3.00	20.50	19.19	19.07	19.00	1.00	20.00
		8	0	19.13	19.02	18.99	3.00	20.50	19.13	18.95	18.89	1.00	20.00
		8	4	19.18	18.99	19.09	3.00	20.50	19.17	19.02	18.88	1.00	20.00
		8	7	19.17	19.03	19.10	3.00	20.50	19.19	19.00	18.88	1.00	20.00
		15	0	19.14	18.97	19.03	3.00	20.50	19.16	18.95	18.86	1.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	22.52	22.34	22.50	0.00	23.50	19.96	19.82	19.91	0.00	21.00
		1	3	22.56	22.38	22.53	0.00	23.50	20.02	19.83	19.95	0.00	21.00
		1	5	22.59	22.36	22.49	0.00	23.50	19.97	19.79	19.93	0.00	21.00
		3	0	22.56	22.35	22.50	0.00	23.50	19.98	19.78	19.89	0.00	21.00
		3	1	22.61	22.36	22.50	0.00	23.50	20.01	19.80	19.92	0.00	21.00
		3	3	22.61	22.35	22.50	0.00	23.50	20.01	19.79	19.91	0.00	21.00
		6	0	22.57	22.36	22.51	0.00	23.50	20.00	19.79	19.92	0.00	21.00
	16QAM	1	0	22.79	22.71	22.84	0.00	23.50	20.36	20.10	20.21	0.00	21.00
		1	3	22.75	22.73	22.91	0.00	23.50	20.35	20.18	20.30	0.00	21.00
		1	5	22.80	22.77	22.88	0.00	23.50	20.30	20.16	20.23	0.00	21.00
		3	0	22.76	22.56	22.72	0.00	23.50	20.17	19.98	20.11	0.00	21.00
		3	1	22.80	22.60	22.70	0.00	23.50	20.17	19.96	20.13	0.00	21.00
		3	3	22.76	22.55	22.75	0.00	23.50	20.17	19.98	20.08	0.00	21.00
		6	0	22.14	21.98	22.12	1.00	22.50	20.05	19.89	20.00	0.00	21.00
	64QAM	1	0	22.23	21.99	22.13	1.00	22.50	20.16	19.87	20.01	0.00	21.00
		1	3	22.30	22.01	22.20	1.00	22.50	20.23	19.88	20.06	0.00	21.00
		1	5	22.23	21.96	22.19	1.00	22.50	20.14	19.83	20.05	0.00	21.00
		3	0	22.21	21.96	22.14	1.00	22.50	20.04	19.85	19.98	0.00	21.00
		3	1	22.22	21.96	22.11	1.00	22.50	20.07	19.84	19.96	0.00	21.00
		3	3	22.24	21.98	22.12	1.00	22.50	20.09	19.85	19.97	0.00	21.00
		6	0	21.18	20.94	21.08	2.00	21.50	19.99	19.83	19.98	0.00	21.00
	256QAM	1	0	19.23	18.94	19.11	3.00	20.50	19.31	19.01	19.08	1.00	20.00
		1	3	19.22	19.00	19.14	3.00	20.50	19.26	19.04	19.09	1.00	20.00
		1	5	19.19	18.91	19.11	3.00	20.50	19.29	18.97	19.05	1.00	20.00
		3	0	19.12	18.88	19.07	3.00	20.50	19.17	18.83	19.12	1.00	20.00
		3	1	19.16	18.88	19.05	3.00	20.50	19.18	18.87	19.13	1.00	20.00
		3	3	19.16	18.90	19.04	3.00	20.50	19.18	18.86	19.11	1.00	20.00
		6	0	19.01	18.94	19.00	3.00	20.50	19.06	18.94	19.18	1.00	20.00

LTE Band 26 Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
				DSI = 0, 1, 2, 3				
				Measured Pwr (dBm)				
				26765	26865	26965		
				821.5 MHz	831.5 MHz	841.5 MHz		
15 MHz	QPSK	1	0		23.91		0.00	25.50
		1	37		23.92		0.00	25.50
		1	74		23.86		0.00	25.50
		36	0		22.91		1.00	24.50
		36	20		22.98		1.00	24.50
		36	39		22.99		1.00	24.50
		75	0		22.99		1.00	24.50
	16QAM	1	0		23.34		1.00	24.50
		1	37		23.28		1.00	24.50
		1	74		23.23		1.00	24.50
		36	0		21.93		2.00	23.50
		36	20		21.99		2.00	23.50
		36	39		21.99		2.00	23.50
		75	0		22.01		2.00	23.50
	64QAM	1	0		22.03		2.00	23.50
		1	37		22.00		2.00	23.50
		1	74		22.01		2.00	23.50
		36	0		20.88		3.00	22.50
		36	20		20.93		3.00	22.50
		36	39		20.93		3.00	22.50
		75	0		20.94		3.00	22.50
	256QAM	1	0		19.05		5.00	20.50
		1	37		18.99		5.00	20.50
		1	74		19.17		5.00	20.50
		36	0		18.91		5.00	20.50
		36	20		18.97		5.00	20.50
		36	39		18.96		5.00	20.50
		75	0		18.97		5.00	20.50
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				26740.00	26865.00	26990.00		
				819 MHz	831.5 MHz	844 MHz		
10 MHz	QPSK	1	0	24.29	24.10	24.17	0.00	25.50
		1	25	24.23	24.14	24.30	0.00	25.50
		1	49	24.16	24.14	24.27	0.00	25.50
		25	0	23.17	23.04	23.18	1.00	24.50
		25	12	23.23	23.12	23.28	1.00	24.50
		25	25	23.19	23.11	23.24	1.00	24.50
		50	0	23.22	23.11	23.27	1.00	24.50
	16QAM	1	0	23.40	23.30	23.41	1.00	24.50
		1	25	23.41	23.31	23.44	1.00	24.50
		1	49	23.28	23.29	23.41	1.00	24.50
		25	0	22.17	22.04	22.18	2.00	23.50
		25	12	22.26	22.17	22.29	2.00	23.50
		25	25	22.21	22.15	22.28	2.00	23.50
		50	0	22.23	22.12	22.27	2.00	23.50
	64QAM	1	0	22.43	22.29	22.27	2.00	23.50
		1	25	22.44	22.29	22.38	2.00	23.50
		1	49	22.36	22.29	22.35	2.00	23.50
		25	0	21.19	21.05	21.20	3.00	22.50
		25	12	21.24	21.16	21.31	3.00	22.50
		25	25	21.23	21.11	21.30	3.00	22.50
		50	0	21.24	21.12	21.29	3.00	22.50
	256QAM	1	0	19.31	19.18	19.29	5.00	20.50
		1	25	19.37	19.27	19.41	5.00	20.50
		1	49	19.25	19.26	19.38	5.00	20.50
		25	0	19.18	19.05	19.21	5.00	20.50
		25	12	19.30	19.13	19.30	5.00	20.50
		25	25	19.22	19.13	19.28	5.00	20.50
		50	0	19.27	19.13	19.25	5.00	20.50

LTE Band 26 Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				26715.00	26865.00	27015.00		
				816.5 MHz	831.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	24.21	24.08	24.26	0.00	25.50
		1	12	24.22	24.16	24.38	0.00	25.50
		1	24	24.15	24.08	24.28	0.00	25.50
		12	0	23.26	23.00	23.20	1.00	24.50
		12	7	23.26	23.11	23.20	1.00	24.50
		12	13	23.22	23.10	23.27	1.00	24.50
		25	0	23.22	23.10	23.20	1.00	24.50
	16QAM	1	0	23.39	23.26	23.37	1.00	24.50
		1	12	23.48	23.37	23.46	1.00	24.50
		1	24	23.34	23.28	23.40	1.00	24.50
		12	0	22.30	22.06	22.20	2.00	23.50
		12	7	22.31	22.17	22.23	2.00	23.50
		12	13	22.26	22.13	22.30	2.00	23.50
		25	0	22.23	22.09	22.21	2.00	23.50
	64QAM	1	0	22.35	22.09	22.46	2.00	23.50
		1	12	22.48	22.20	22.50	2.00	23.50
		1	24	22.34	22.11	22.52	2.00	23.50
		12	0	21.26	21.02	21.21	3.00	22.50
		12	7	21.28	21.12	21.26	3.00	22.50
		12	13	21.25	21.10	21.31	3.00	22.50
		25	0	21.25	21.11	21.23	3.00	22.50
	256QAM	1	0	19.41	19.07	19.26	5.00	20.50
		1	12	19.50	19.31	19.41	5.00	20.50
		1	24	19.41	19.19	19.37	5.00	20.50
		12	0	19.27	19.04	19.20	5.00	20.50
		12	7	19.30	19.16	19.25	5.00	20.50
		12	13	19.26	19.14	19.28	5.00	20.50
		25	0	19.23	19.14	19.20	5.00	20.50
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				26705.00	26865.00	27025.00		
				815.5 MHz	831.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	24.18	23.99	24.21	0.00	25.50
		1	8	24.27	24.11	24.35	0.00	25.50
		1	14	24.17	24.01	24.24	0.00	25.50
		8	0	23.21	23.00	23.18	1.00	24.50
		8	4	23.26	23.13	23.22	1.00	24.50
		8	7	23.23	23.13	23.30	1.00	24.50
		15	0	23.22	23.07	23.21	1.00	24.50
	16QAM	1	0	23.43	23.21	23.47	1.00	24.50
		1	8	23.42	23.26	23.59	1.00	24.50
		1	14	23.30	23.14	23.43	1.00	24.50
		8	0	22.24	22.07	22.19	2.00	23.50
		8	4	22.29	22.17	22.25	2.00	23.50
		8	7	22.26	22.15	22.34	2.00	23.50
		15	0	22.23	22.10	22.23	2.00	23.50
	64QAM	1	0	22.46	22.17	22.43	2.00	23.50
		1	8	22.44	22.29	22.54	2.00	23.50
		1	14	22.40	22.17	22.48	2.00	23.50
		8	0	21.28	21.02	21.25	3.00	22.50
		8	4	21.32	21.12	21.27	3.00	22.50
		8	7	21.30	21.10	21.37	3.00	22.50
		15	0	21.23	21.08	21.20	3.00	22.50
	256QAM	1	0	19.33	19.11	19.34	5.00	20.50
		1	8	19.39	19.29	19.48	5.00	20.50
		1	14	19.28	19.20	19.41	5.00	20.50
		8	0	19.25	19.05	19.24	5.00	20.50
		8	4	19.31	19.16	19.30	5.00	20.50
		8	7	19.30	19.14	19.35	5.00	20.50
		15	0	19.24	19.10	19.22	5.00	20.50
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				26697.00	26865.00	27033.00		
				814.7 MHz	831.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	24.18	24.06	24.28	0.00	25.50
		1	3	24.23	24.06	24.30	0.00	25.50
		1	5	24.19	24.06	24.25	0.00	25.50
		3	0	24.24	24.05	24.26	0.00	25.50
		3	1	24.22	24.06	24.24	0.00	25.50
		3	3	24.21	24.04	24.27	0.00	25.50
		6	0	22.73	22.52	22.70	1.00	24.50
	16QAM	1	0	23.38	23.27	23.41	1.00	24.50
		1	3	23.39	23.21	23.52	1.00	24.50
		1	5	23.35	23.16	23.43	1.00	24.50
		3	0	23.32	23.12	23.40	1.00	24.50
		3	1	23.32	23.07	23.42	1.00	24.50
		3	3	23.31	23.12	23.39	1.00	24.50
		6	0	22.21	22.14	22.17	2.00	23.50
	64QAM	1	0	22.35	22.29	22.50	2.00	23.50
		1	3	22.36	22.32	22.55	2.00	23.50
		1	5	22.27	22.26	22.48	2.00	23.50
		3	0	22.28	22.18	22.32	2.00	23.50
		3	1	22.31	22.21	22.29	2.00	23.50
		3	3	22.31	22.18	22.33	2.00	23.50
		6	0	21.18	21.04	21.23	3.00	22.50
	256QAM	1	0	19.28	19.21	19.38	5.00	20.50
		1	3	19.26	19.21	19.38	5.00	20.50
		1	5	19.25	19.18	19.32	5.00	20.50
		3	0	19.24	19.12	19.33	5.00	20.50
		3	1	19.23	19.15	19.32	5.00	20.50
		3	3	19.22	19.15	19.33	5.00	20.50
		6	0	19.13	19.14	19.27	5.00	20.50

LTE Band 30 (Ant B) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)								
				DSI = 2, 3					DSI = 0, 1			
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit
				[redacted]	27710	[redacted]			[redacted]	27710		
					2310 MHz					2310 MHz		
10 MHz	QPSK	1	0		23.26		0.00	24.00		17.85	0.00	18.50
		1	25		23.24		0.00	24.00		17.82	0.00	18.50
		1	49		23.19		0.00	24.00		17.73	0.00	18.50
		25	0		22.33		1.00	23.00		17.88	0.00	18.50
		25	12		22.27		1.00	23.00		17.85	0.00	18.50
		25	25		22.22		1.00	23.00		17.82	0.00	18.50
		50	0		22.29		1.00	23.00		17.81	0.00	18.50
	16QAM	1	0		22.61		1.00	23.00		18.03	0.00	18.50
		1	25		22.59		1.00	23.00		17.99	0.00	18.50
		1	49		22.54		1.00	23.00		17.97	0.00	18.50
		25	0		21.31		2.00	22.00		17.84	0.00	18.50
		25	12		21.27		2.00	22.00		17.87	0.00	18.50
		25	25		21.26		2.00	22.00		17.81	0.00	18.50
		50	0		21.50		2.00	22.00		17.82	0.00	18.50
	64QAM	1	0		21.50		2.00	22.00		17.98	0.00	18.50
		1	25		21.53		2.00	22.00		17.94	0.00	18.50
		1	49		21.47		2.00	22.00		17.93	0.00	18.50
		25	0		20.31		3.00	21.00		17.88	0.00	18.50
		25	12		20.37		3.00	21.00		17.88	0.00	18.50
		25	25		20.30		3.00	21.00		17.87	0.00	18.50
		50	0		20.30		3.00	21.00		17.85	0.00	18.50
	256QAM	1	0		18.45		5.00	19.00		17.94	0.00	18.50
		1	25		18.48		5.00	19.00		17.98	0.00	18.50
		1	49		18.40		5.00	19.00		17.91	0.00	18.50
		25	0		18.34		5.00	19.00		17.86	0.00	18.50
		25	12		18.37		5.00	19.00		17.87	0.00	18.50
		25	25		18.31		5.00	19.00		17.85	0.00	18.50
		50	0		18.33		5.00	19.00		17.84	0.00	18.50
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				27685.00	27710.00	27735.00			27685.00	27710.00	27735.00		
				2307.5 MHz	2310 MHz	2312.5 MHz			2307.5 MHz	2310 MHz	2312.5 MHz		
5 MHz	QPSK	1	0		23.27		0.00	24.00		17.82		0.00	18.50
		1	12		23.26		0.00	24.00		17.81		0.00	18.50
		1	24		23.23		0.00	24.00		17.76		0.00	18.50
		12	0		22.28		1.00	23.00		17.81		0.00	18.50
		12	7		22.29		1.00	23.00		17.84		0.00	18.50
		12	13		22.27		1.00	23.00		17.80		0.00	18.50
		25	0		22.23		1.00	23.00		17.83		0.00	18.50
	16QAM	1	0		22.64		1.00	23.00		18.07		0.00	18.50
		1	12		22.69		1.00	23.00		18.10		0.00	18.50
		1	24		22.64		1.00	23.00		17.99		0.00	18.50
		12	0		21.31		2.00	22.00		17.89		0.00	18.50
		12	7		21.32		2.00	22.00		17.90		0.00	18.50
		12	13		21.30		2.00	22.00		17.89		0.00	18.50
		25	0		21.30		2.00	22.00		17.81		0.00	18.50
	64QAM	1	0		21.44		2.00	22.00		17.90		0.00	18.50
		1	12		21.49		2.00	22.00		17.93		0.00	18.50
		1	24		21.45		2.00	22.00		17.82		0.00	18.50
		12	0		20.34		3.00	21.00		17.83		0.00	18.50
		12	7		20.37		3.00	21.00		17.87		0.00	18.50
		12	13		20.34		3.00	21.00		17.82		0.00	18.50
		25	0		20.29		3.00	21.00		17.81		0.00	18.50
	256QAM	1	0		18.50		5.00	19.00		17.95		0.00	18.50
		1	12		18.55		5.00	19.00		18.06		0.00	18.50
		1	24		18.50		5.00	19.00		17.94		0.00	18.50
		12	0		18.30		5.00	19.00		17.77		0.00	18.50
		12	7		18.37		5.00	19.00		17.86		0.00	18.50
		12	13		18.30		5.00	19.00		17.80		0.00	18.50
		25	0		18.30		5.00	19.00		17.78		0.00	18.50

LTE Band 30 (Ant F) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)								
				DSI = 2, 3					DSI = 0, 1			
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit
				[redacted]	27710	[redacted]			[redacted]	27710		
					2310 MHz					2310 MHz		
10 MHz	QPSK	1	0		22.83		0.00	24.00		19.92	0.00	21.50
		1	25		22.81		0.00	24.00		19.90	0.00	21.50
		1	49		22.82		0.00	24.00		19.83	0.00	21.50
		25	0		21.80		1.00	23.00		19.87	0.00	21.50
		25	12		21.84		1.00	23.00		20.13	0.00	21.50
		25	25		21.75		1.00	23.00		19.89	0.00	21.50
		50	0		21.76		1.00	23.00		19.90	0.00	21.50
	16QAM	1	0		22.33		1.00	23.00		20.28	0.00	21.50
		1	25		22.21		1.00	23.00		20.23	0.00	21.50
		1	49		22.21		1.00	23.00		20.14	0.00	21.50
		25	0		20.83		2.00	22.00		19.88	0.00	21.50
		25	12		20.88		2.00	22.00		19.96	0.00	21.50
		25	25		20.78		2.00	22.00		19.91	0.00	21.50
		50	0		20.81		2.00	22.00		19.94	0.00	21.50
	64QAM	1	0		21.47		2.00	22.00		20.11	0.00	21.50
		1	25		21.46		2.00	22.00		20.06	0.00	21.50
		1	49		21.36		2.00	22.00		19.95	0.00	21.50
		25	0		20.33		3.00	21.00		19.00	1.00	20.50
		25	12		20.32		3.00	21.00		19.09	1.00	20.50
		25	25		20.26		3.00	21.00		19.02	1.00	20.50
		50	0		20.29		3.00	21.00		19.02	1.00	20.50
	256QAM	1	0		18.43		5.00	19.00		17.17	3.00	18.50
		1	25		18.43		5.00	19.00		17.24	3.00	18.50
		1	49		18.34		5.00	19.00		17.11	3.00	18.50
		25	0		18.29		5.00	19.00		17.00	3.00	18.50
		25	12		18.31		5.00	19.00		17.08	3.00	18.50
		25	25		18.29		5.00	19.00		17.02	3.00	18.50
		50	0		18.26		5.00	19.00		17.03	3.00	18.50

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				27685.00	27710.00	27735.00			27685.00	27710.00	27735.00		
				2307.5 MHz	2310 MHz	2312.5 MHz			2307.5 MHz	2310 MHz	2312.5 MHz		
5 MHz	QPSK	1	0		22.80		0.00	24.00		20.04		0.00	21.50
		1	12		22.82		0.00	24.00		20.08		0.00	21.50
		1	24		22.74		0.00	24.00		20.00		0.00	21.50
		12	0		21.77		1.00	23.00		19.98		0.00	21.50
		12	7		21.80		1.00	23.00		20.09		0.00	21.50
		12	13		21.77		1.00	23.00		20.05		0.00	21.50
		25	0		21.79		1.00	23.00		20.06		0.00	21.50
	16QAM	1	0		22.25		1.00	23.00		20.40		0.00	21.50
		1	12		22.29		1.00	23.00		20.41		0.00	21.50
		1	24		22.22		1.00	23.00		20.38		0.00	21.50
		12	0		20.77		2.00	22.00		20.01		0.00	21.50
		12	7		20.80		2.00	22.00		20.12		0.00	21.50
		12	13		20.74		2.00	22.00		20.08		0.00	21.50
		25	0		20.81		2.00	22.00		20.10		0.00	21.50
	64QAM	1	0		21.34		2.00	22.00		20.24		0.00	21.50
		1	12		21.30		2.00	22.00		20.31		0.00	21.50
		1	24		21.37		2.00	22.00		20.19		0.00	21.50
		12	0		20.31		3.00	21.00		19.10		1.00	20.50
		12	7		20.31		3.00	21.00		19.23		1.00	20.50
		12	13		20.25		3.00	21.00		19.19		1.00	20.50
		25	0		20.27		3.00	21.00		19.17		1.00	20.50
	256QAM	1	0		18.48		5.00	19.00		17.24		3.00	18.50
		1	12		18.42		5.00	19.00		17.36		3.00	18.50
		1	24		18.39		5.00	19.00		17.24		3.00	18.50
		12	0		18.29		5.00	19.00		17.13		3.00	18.50
		12	7		18.31		5.00	19.00		17.23		3.00	18.50
		12	13		18.28		5.00	19.00		17.19		3.00	18.50
		25	0		18.25		5.00	19.00		17.18		3.00	18.50

LTE Band 41 (Power Class 3) (Ant B) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)														
				DIS = 2, 3							DIS = 0, 1							
				Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
				39750	40185	40620	41055	41490			39750	40185	40620	41055	41490		
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
20 MHz	QPSK	1	0	23.01	23.04	23.14	23.44	23.03	0.00	25.00	18.95	18.76	18.95	19.35	18.98	0.00	20.00
		1	49	23.00	22.97	23.18	23.33	22.91	0.00	25.00	18.91	18.75	19.02	19.21	18.92	0.00	20.00
		1	99	22.99	22.96	23.35	23.32	22.89	0.00	25.00	18.85	18.70	19.12	19.18	18.91	0.00	20.00
		50	0	22.06	22.02	22.19	22.50	22.01	1.00	24.00	18.98	18.76	18.96	19.28	18.99	0.00	20.00
		50	24	22.09	21.96	22.31	22.47	22.00	1.00	24.00	18.99	18.76	19.09	19.26	18.99	0.00	20.00
		50	50	22.06	22.01	22.31	22.37	21.92	1.00	24.00	18.94	18.80	19.08	19.19	18.89	0.00	20.00
		100	0	22.08	21.94	22.29	22.47	22.01	1.00	24.00	18.96	18.77	19.09	19.26	18.97	0.00	20.00
	16QAM	1	0	22.11	22.05	22.24	22.55	22.05	1.00	24.00	18.94	18.75	18.78	19.39	18.98	0.00	20.00
		1	49	22.07	22.03	22.25	22.39	22.08	1.00	24.00	18.99	18.89	18.85	19.34	18.99	0.00	20.00
		1	99	22.08	22.02	22.44	22.48	22.05	1.00	24.00	18.98	18.65	18.99	19.30	18.88	0.00	20.00
		50	0	21.06	20.95	21.18	21.50	21.02	2.00	23.00	18.97	18.75	19.01	19.29	18.99	0.00	20.00
		50	24	21.09	20.98	21.30	21.48	21.03	2.00	23.00	18.99	18.76	19.10	19.27	18.98	0.00	20.00
		50	50	21.08	21.02	21.30	21.38	20.92	2.00	23.00	18.95	18.79	19.08	19.19	18.90	0.00	20.00
		100	0	21.07	20.96	21.30	21.46	21.00	2.00	23.00	18.97	18.75	19.10	19.29	18.99	0.00	20.00
	64QAM	1	0	20.90	20.82	20.97	21.34	21.01	2.00	23.00	18.90	18.92	18.96	19.32	19.04	0.00	20.00
		1	49	20.97	20.99	21.10	21.31	20.96	2.00	23.00	18.96	18.92	19.10	19.22	18.85	0.00	20.00
		1	99	20.84	20.86	21.22	21.27	20.99	2.00	23.00	18.80	18.89	19.21	19.18	18.94	0.00	20.00
		50	0	19.95	19.82	20.09	20.40	20.04	3.00	22.00	18.98	18.76	18.97	19.29	18.99	0.00	20.00
		50	24	20.00	19.85	20.24	20.39	20.05	3.00	22.00	18.98	18.77	19.07	19.31	19.01	0.00	20.00
		50	50	19.95	19.91	20.23	20.28	19.96	3.00	22.00	18.94	18.78	19.13	19.18	18.89	0.00	20.00
		100	0	19.96	19.87	20.20	20.39	20.04	3.00	22.00	18.96	18.75	19.09	19.29	18.98	0.00	20.00
	256QAM	1	0	18.01	17.89	18.09	18.42	17.94	5.00	20.00	18.78	18.54	18.81	19.16	18.79	0.00	20.00
		1	49	17.93	17.94	18.14	18.32	17.89	5.00	20.00	18.74	18.61	18.97	19.04	18.67	0.00	20.00
		1	99	18.08	17.97	18.32	18.29	17.86	5.00	20.00	18.77	18.50	19.06	18.96	18.63	0.00	20.00
		50	0	17.95	17.83	18.08	18.37	18.02	5.00	20.00	18.76	18.57	18.78	19.08	18.77	0.00	20.00
		50	24	17.99	17.86	18.24	18.35	18.02	5.00	20.00	18.76	18.55	18.88	19.07	18.78	0.00	20.00
		50	50	17.97	17.92	18.23	18.24	17.90	5.00	20.00	18.75	18.60	18.91	18.98	18.68	0.00	20.00
		100	0	17.98	17.83	18.21	18.36	18.00	5.00	20.00	18.76	18.55	18.89	19.07	18.77	0.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
				39750.00	40185.00	40620.00	41055.00	41490.00			39750.00	40185.00	40620.00	41055.00	41490.00		
				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	23.06	22.84	23.06	23.34	23.04	0.00	25.00	18.79	18.65	18.86	19.14	18.85	0.00	20.00
		1	37	23.03	22.85	23.13	23.32	23.04	0.00	25.00	18.81	18.69	18.95	19.13	18.81	0.00	20.00
		1	74	22.97	22.88	23.22	23.31	22.98	0.00	25.00	18.73	18.72	18.99	19.12	18.80	0.00	20.00
		36	0	22.06	21.85	22.11	22.42	22.09	1.00	24.00	18.83	18.66	18.87	19.18	18.89	0.00	20.00
		36	20	22.06	21.84	22.17	22.42	22.05	1.00	24.00	18.86	18.63	18.96	19.18	18.90	0.00	20.00
		36	39	22.04	21.91	22.18	22.31	21.97	1.00	24.00	18.81	18.70	19.00	19.08	18.80	0.00	20.00
		75	0	22.07	21.83	22.19	22.39	22.07	1.00	24.00	18.85	18.62	18.98	19.18	18.88	0.00	20.00
	16QAM	1	0	22.03	21.81	22.08	22.34	21.91	1.00	24.00	18.72	18.68	18.84	19.12	18.89	0.00	20.00
		1	37	22.13	21.83	22.12	22.29	21.95	1.00	24.00	18.82	18.74	18.90	19.10	18.89	0.00	20.00
		1	74	21.98	21.78	22.21	22.31	21.97	1.00	24.00	18.74	18.71	18.99	19.00	18.83	0.00	20.00
		36	0	21.06	20.83	21.10	21.43	21.09	2.00	23.00	18.85	18.68	18.92	19.21	18.91	0.00	20.00
		36	20	21.07	20.81	21.17	21.39	21.07	2.00	23.00	18.85	18.64	18.99	19.18	18.88	0.00	20.00
		36	39	21.06	20.91	21.19	21.31	20.98	2.00	23.00	18.82	18.72	19.01	19.10	18.79	0.00	20.00
		75	0	21.07	20.85	21.18	21.40	21.07	2.00	23.00	18.84	18.64	19.00	19.17	18.89	0.00	20.00
	64QAM	1	0	21.11	20.97	21.21	21.48	21.11	2.00	23.00	18.77	18.61	18.91	19.11	18.84	0.00	20.00
		1	37	21.01	20.89	21.27	21.46	21.06	2.00	23.00	18.75	18.66	19.00	19.13	18.85	0.00	20.00
		1	74	21.02	20.94	21.31	21.42	21.03	2.00	23.00	18.70	18.70	19.11	19.13	18.79	0.00	20.00
		36	0	20.17	19.97	20.21	20.51	20.20	3.00	22.00	18.86	18.69	18.93	19.22	18.95	0.00	20.00
		36	20	20.17	19.95	20.29	20.48	20.17	3.00	22.00	18.87	18.66	19.02	19.19	18.95	0.00	20.00
		36	39	20.14	20.02	20.29	20.39	20.09	3.00	22.00	18.83	18.74	19.05	19.12	18.85	0.00	20.00
		75	0	20.18	19.95	20.30	20.49	20.19	3.00	22.00	18.90	18.68	19.02	19.23	18.93	0.00	20.00
	256QAM	1	0	18.10	17.93	18.05	18.48	18.11	5.00	20.00	18.63	18.47	18.57	18.95	18.63	0.00	20.00
		1	37	18.19	18.06	18.28	18.47	18.09	5.00	20.00	18.59	18.45	18.67	18.96	18.68	0.00	20.00
		1	74	18.14	18.10	18.33	18.37	17.99	5.00	20.00	18.63	18.47	18.84	18.82	18.65	0.00	20.00
		36	0	18.19	17.98	18.24	18.48	18.17	5.00	20.00	18.71	18.51	18.76	19.03	18.74	0.00	20.00
		36	20	18.17	17.97	18.31	18.48	18.15	5.00	20.00	18.70	18.49	18.84	19.00	18.72	0.00	20.00
		36	39	18.16	18.05	18.33	18.40	18.07	5.00	20.00	18.67	18.55	18.85	18.92	18.64	0.00	20.00
		75	0	18.19	17.97	18.29	18.49	18.14	5.00	20.00	18.67	18.51	18.84	19.00	18.74	0.00	20.00

LTE Band 41 (Power Class 3) (Ant B) Measured Results_(Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
				39750.00	40185.00	40620.00	41055.00	41490.00			39750.00	40185.00	40620.00	41055.00	41490.00		
				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	23.10	22.96	23.21	23.44	23.10	0.00	25.00	18.89	18.77	19.02	19.27	18.93	0.00	20.00
		1	25	23.14	23.01	23.29	23.47	23.16	0.00	25.00	18.92	18.85	19.09	19.29	18.94	0.00	20.00
		1	49	23.09	22.98	23.25	23.36	23.06	0.00	25.00	18.89	18.74	19.05	19.18	18.86	0.00	20.00
		25	0	22.13	21.94	22.23	22.51	22.18	1.00	24.00	18.95	18.78	19.01	19.30	18.96	0.00	20.00
		25	12	22.17	21.97	22.37	22.54	22.21	1.00	24.00	18.99	18.78	19.13	19.35	18.98	0.00	20.00
		25	25	22.15	22.02	22.35	22.39	22.19	1.00	24.00	18.95	18.86	19.13	19.26	18.95	0.00	20.00
		50	0	22.13	21.92	22.33	22.50	22.21	1.00	24.00	18.93	18.73	19.10	19.31	18.94	0.00	20.00
	16QAM	1	0	22.24	21.86	22.28	22.55	21.99	1.00	24.00	18.84	18.86	18.99	19.22	18.89	0.00	20.00
		1	25	22.22	21.93	22.31	22.57	22.07	1.00	24.00	18.91	18.89	19.05	19.20	18.99	0.00	20.00
		1	49	22.19	21.81	22.27	22.47	21.98	1.00	24.00	18.93	18.79	19.07	19.20	18.92	0.00	20.00
		25	0	21.16	20.93	21.23	21.50	21.18	2.00	23.00	18.94	18.76	19.03	19.34	18.98	0.00	20.00
		25	12	21.18	20.98	21.37	21.52	21.19	2.00	23.00	18.99	18.82	19.15	19.37	19.01	0.00	20.00
		25	25	21.13	21.03	21.33	21.41	21.18	2.00	23.00	18.94	18.85	19.16	19.27	18.98	0.00	20.00
		50	0	21.13	20.91	21.33	21.50	21.19	2.00	23.00	18.94	18.72	19.09	19.33	18.98	0.00	20.00
	64QAM	1	0	21.19	20.97	21.34	21.52	21.16	2.00	23.00	18.89	18.81	19.03	19.42	18.99	0.00	20.00
		1	25	21.22	21.08	21.50	21.58	21.15	2.00	23.00	19.01	18.84	19.14	19.44	18.96	0.00	20.00
		1	49	21.16	21.08	21.41	21.46	21.02	2.00	23.00	19.00	18.82	19.11	19.19	18.83	0.00	20.00
		25	0	20.27	20.08	20.34	20.60	20.25	3.00	22.00	18.98	18.80	19.05	19.34	19.04	0.00	20.00
		25	12	20.28	20.11	20.44	20.63	20.28	3.00	22.00	19.01	18.82	19.17	19.35	19.07	0.00	20.00
		25	25	20.27	20.13	20.44	20.50	20.24	3.00	22.00	18.97	18.88	19.19	19.27	19.02	0.00	20.00
		50	0	20.26	20.08	20.43	20.58	20.24	3.00	22.00	18.95	18.80	19.17	19.32	19.04	0.00	20.00
	256QAM	1	0	18.15	18.00	18.21	18.46	18.18	5.00	20.00	18.69	18.60	18.78	19.01	18.77	0.00	20.00
		1	25	18.21	18.13	18.36	18.51	18.29	5.00	20.00	18.72	18.73	18.89	19.01	18.82	0.00	20.00
		1	49	18.16	18.08	18.29	18.36	18.10	5.00	20.00	18.62	18.65	18.93	18.95	18.66	0.00	20.00
		25	0	18.28	18.10	18.34	18.57	18.28	5.00	20.00	18.76	18.61	18.86	19.12	18.82	0.00	20.00
		25	12	18.32	18.11	18.45	18.59	18.27	5.00	20.00	18.79	18.62	18.95	19.15	18.83	0.00	20.00
		25	25	18.26	18.14	18.44	18.51	18.27	5.00	20.00	18.74	18.68	18.97	19.02	18.81	0.00	20.00
		50	0	18.28	18.10	18.41	18.59	18.23	5.00	20.00	18.78	18.57	18.95	19.10	18.83	0.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
				39750.00	40185.00	40620.00	41055.00	41490.00			39750.00	40185.00	40620.00	41055.00	41490.00		
				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	23.09	22.91	23.19	23.42	23.09	0.00	25.00	18.92	18.74	18.95	19.27	18.91	0.00	20.00
		1	12	23.16	22.99	23.28	23.47	23.14	0.00	25.00	18.96	18.80	19.05	19.31	18.94	0.00	20.00
		1	24	23.14	22.90	23.22	23.39	23.06	0.00	25.00	18.88	18.72	19.01	19.21	18.86	0.00	20.00
		12	0	22.12	21.89	22.19	22.52	22.16	1.00	24.00	18.95	18.75	18.98	19.33	18.98	0.00	20.00
		12	7	22.15	21.92	22.34	22.55	22.20	1.00	24.00	18.95	18.78	19.05	19.33	18.99	0.00	20.00
		12	13	22.12	21.98	22.29	22.50	22.18	1.00	24.00	18.92	18.80	19.07	19.30	18.98	0.00	20.00
		25	0	22.13	21.90	22.29	22.50	22.17	1.00	24.00	18.91	18.74	19.05	19.27	18.94	0.00	20.00
	16QAM	1	0	22.12	21.92	22.35	22.41	22.14	1.00	24.00	18.91	18.68	18.99	19.29	18.93	0.00	20.00
		1	12	22.17	22.00	22.42	22.53	22.17	1.00	24.00	19.00	18.78	19.10	19.34	18.98	0.00	20.00
		1	24	22.14	21.93	22.38	22.42	22.06	1.00	24.00	18.96	18.77	19.00	19.25	18.87	0.00	20.00
		12	0	21.10	20.95	21.14	21.55	21.24	2.00	23.00	18.92	18.68	19.04	19.33	19.10	0.00	20.00
		12	7	21.14	20.97	21.27	21.58	21.27	2.00	23.00	18.97	18.72	19.14	19.38	19.14	0.00	20.00
		12	13	21.10	21.03	21.24	21.55	21.23	2.00	23.00	18.92	18.88	19.13	19.31	18.99	0.00	20.00
		25	0	21.11	20.89	21.28	21.47	21.19	2.00	23.00	18.92	18.75	19.08	19.29	19.00	0.00	20.00
	64QAM	1	0	21.31	21.01	21.28	21.61	21.15	2.00	23.00	18.99	18.80	19.06	19.28	19.03	0.00	20.00
		1	12	21.36	21.11	21.37	21.63	21.26	2.00	23.00	19.11	18.91	19.12	19.40	19.06	0.00	20.00
		1	24	21.31	21.02	21.33	21.56	21.15	2.00	23.00	19.03	18.81	19.11	19.24	18.99	0.00	20.00
		12	0	20.23	20.08	20.32	20.58	20.23	3.00	22.00	18.95	18.77	19.03	19.33	19.01	0.00	20.00
		12	7	20.29	20.13	20.43	20.61	20.28	3.00	22.00	18.98	18.81	19.17	19.35	19.04	0.00	20.00
		12	13	20.27	20.18	20.41	20.58	20.23	3.00	22.00	18.97	18.87	19.15	19.31	19.00	0.00	20.00
		25	0	20.25	20.09	20.40	20.57	20.24	3.00	22.00	18.95	18.77	19.14	19.33	19.00	0.00	20.00
	256QAM	1	0	18.24	17.95	18.27	18.52	18.12	5.00	20.00	18.69	18.58	18.77	19.02	18.82	0.00	20.00
		1	12	18.39	18.17	18.43	18.52	18.17	5.00	20.00	18.74	18.71	18.95	19.02	18.87	0.00	20.00
		1	24	18.32	18.02	18.38	18.40	17.94	5.00	20.00	18.66	18.62	18.89	18.90	18.74	0.00	20.00
		12	0	18.28	18.09	18.33	18.57	18.18	5.00	20.00	18.73	18.56	18.84	19.12	18.79	0.00	20.00
		12	7	18.26	18.12	18.45	18.60	18.25	5.00	20.00	18.75	18.56	18.95	19.13	18.79	0.00	20.00
		12	13	18.27	18.15	18.39	18.55	18.23	5.00	20.00	18.77	18.62	18.92	19.10	18.76	0.00	20.00
		25	0	18.27	18.07	18.37	18.56	18.25	5.00	20.00	18.78	18.56	18.92	19.11	18.80	0.00	20.00

LTE Band 41 (Power Class 2) (Ant B) Measured Results

DSI	Modulation	BW (MHz)	Channel	Freq. (MHz)	RB/Offset	Output Power (dBm)	
						Tune-up Limit	Meas. Power
DSI = 0,1	QPSK	20	41055	2636.5	1/0	21.60	20.88
DSI = 2,3	QPSK	20	41055	2636.5	50/0	25.50	25.03

Notes:

Conducted Power measurement for LTE Band 41 Power Class 2 were performed with the highest SAR test configuration in Power Class 3 for each RF Exposure condition.

LTE Band 41 (Power Class 3) (Ant F) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)														
				DIS = 2, 3							DIS = 0, 1							
				Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
				39750	40185	40620	41055	41490			39750	40185	40620	41055	41490		
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
20 MHz	QPSK	1	0	23.20	23.05	23.80	23.70	23.39	0.00	25.00	20.47	20.42	21.10	20.48	20.63	0.00	22.00
		1	49	23.15	23.10	23.45	23.76	23.26	0.00	25.00	20.46	20.48	20.86	20.48	20.53	0.00	22.00
		1	99	23.08	23.12	23.59	23.74	23.22	0.00	25.00	20.43	20.46	21.01	20.42	20.49	0.00	22.00
		50	0	22.15	22.13	23.00	22.88	22.39	1.00	24.00	20.47	20.46	21.00	20.47	20.65	0.00	22.00
		50	24	22.23	22.19	22.60	22.88	22.37	1.00	24.00	20.54	20.56	20.92	20.54	20.64	0.00	22.00
		50	50	22.19	22.17	22.60	22.78	22.27	1.00	24.00	20.49	20.52	20.92	20.50	20.50	0.00	22.00
		100	0	22.21	22.21	22.57	22.86	22.37	1.00	24.00	20.53	20.55	20.94	20.55	20.62	0.00	22.00
	16QAM	1	0	22.29	22.17	22.46	22.93	22.41	1.00	24.00	20.48	20.63	20.88	20.63	20.72	0.00	22.00
		1	49	22.36	22.21	22.52	22.86	22.30	1.00	24.00	20.46	20.70	21.14	20.75	20.69	0.00	22.00
		1	99	22.22	22.19	22.68	22.82	22.27	1.00	24.00	20.44	20.65	21.16	20.54	20.60	0.00	22.00
		50	0	21.14	21.11	21.49	21.89	21.41	2.00	23.00	20.47	20.47	20.83	20.47	20.63	0.00	22.00
		50	24	21.22	21.21	21.59	21.89	21.40	2.00	23.00	20.56	20.54	20.95	20.55	20.62	0.00	22.00
		50	50	21.18	21.15	21.61	21.78	21.28	2.00	23.00	20.50	20.51	20.94	20.50	20.50	0.00	22.00
		100	0	21.23	21.18	21.59	21.88	21.39	2.00	23.00	20.55	20.56	20.90	20.55	20.61	0.00	22.00
	64QAM	1	0	21.15	21.12	21.39	21.93	21.46	2.00	23.00	20.57	20.53	20.85	20.45	20.69	0.00	22.00
		1	49	21.44	21.13	21.44	21.85	21.27	2.00	23.00	20.53	20.61	20.91	20.59	20.61	0.00	22.00
		1	99	21.10	21.22	21.72	21.81	21.22	2.00	23.00	20.44	20.63	21.02	20.39	20.58	0.00	22.00
		50	0	20.15	20.12	20.47	20.87	20.41	3.00	22.00	20.29	20.31	20.65	20.27	20.47	0.00	22.00
		50	24	20.21	20.20	20.59	20.89	20.41	3.00	22.00	20.37	20.38	20.76	20.36	20.45	0.00	22.00
		50	50	20.17	20.16	20.58	20.77	20.27	3.00	22.00	20.32	20.34	20.77	20.32	20.31	0.00	22.00
		100	0	20.23	20.19	20.57	20.88	20.37	3.00	22.00	20.37	20.39	20.76	20.35	20.45	0.00	22.00
	256QAM	1	0	18.18	17.93	18.36	18.79	18.31	5.00	20.00	18.31	18.38	18.58	18.32	18.54	2.00	20.00
		1	49	18.16	18.09	18.54	18.71	18.27	5.00	20.00	18.43	18.39	18.72	18.21	18.37	2.00	20.00
		1	99	18.27	18.18	18.58	18.65	18.19	5.00	20.00	18.32	18.60	18.93	18.20	18.27	2.00	20.00
		50	0	18.15	18.13	18.44	18.86	18.37	5.00	20.00	18.25	18.29	18.66	18.26	18.45	2.00	20.00
		50	24	18.21	18.20	18.56	18.88	18.36	5.00	20.00	18.34	18.37	18.74	18.34	18.43	2.00	20.00
		50	50	18.20	18.19	18.55	18.76	18.26	5.00	20.00	18.30	18.36	18.75	18.34	18.29	2.00	20.00
		100	0	18.20	18.19	18.55	18.85	18.37	5.00	20.00	18.36	18.36	18.74	18.35	18.39	2.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
				39750.00	40185.00	40620.00	41055.00	41490.00			39750.00	40185.00	40620.00	41055.00	41490.00		
				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	23.27	23.24	23.49	23.90	23.31	0.00	25.00	20.41	20.38	20.66	21.04	20.56	0.00	22.00
		1	37	23.26	23.25	23.57	23.86	23.22	0.00	25.00	20.42	20.37	20.75	21.05	20.47	0.00	22.00
		1	74	23.18	23.31	23.71	23.83	23.22	0.00	25.00	20.35	20.48	20.86	20.99	20.46	0.00	22.00
		36	0	22.25	22.24	22.60	22.95	22.37	1.00	24.00	20.41	20.37	20.70	21.11	20.56	0.00	22.00
		36	20	22.32	22.22	22.64	22.93	22.34	1.00	24.00	20.48	20.39	20.77	21.08	20.55	0.00	22.00
		36	39	22.29	22.31	22.68	22.83	22.23	1.00	24.00	20.45	20.42	20.81	20.97	20.43	0.00	22.00
		75	0	22.33	22.30	22.61	22.94	22.32	1.00	24.00	20.44	20.45	20.81	21.09	20.55	0.00	22.00
	16QAM	1	0	22.31	22.27	22.43	22.89	22.33	1.00	24.00	20.28	20.43	20.67	20.96	20.54	0.00	22.00
		1	37	22.32	22.31	22.46	22.87	22.29	1.00	24.00	20.37	20.43	20.74	20.97	20.49	0.00	22.00
		1	74	22.22	22.39	22.67	22.81	22.24	1.00	24.00	20.30	20.54	20.90	20.90	20.47	0.00	22.00
		36	0	21.26	21.25	21.56	21.97	21.38	2.00	23.00	20.40	20.38	20.72	21.11	20.58	0.00	22.00
		36	20	21.30	21.23	21.64	21.93	21.34	2.00	23.00	20.49	20.38	20.80	21.08	20.54	0.00	22.00
		36	39	21.29	21.31	21.64	21.85	21.27	2.00	23.00	20.46	20.48	20.81	21.00	20.46	0.00	22.00
		75	0	21.33	21.31	21.63	21.94	21.37	2.00	23.00	20.51	20.45	20.80	21.10	20.54	0.00	22.00
	64QAM	1	0	21.16	21.20	21.48	21.79	21.27	2.00	23.00	20.43	20.41	20.63	21.06	20.59	0.00	22.00
		1	37	21.19	21.26	21.53	21.69	21.24	2.00	23.00	20.46	20.32	20.72	21.00	20.53	0.00	22.00
		1	74	21.19	21.29	21.61	21.76	21.19	2.00	23.00	20.37	20.44	20.95	20.97	20.52	0.00	22.00
		36	0	20.25	20.24	20.55	20.91	20.38	3.00	22.00	20.20	20.24	20.57	20.92	20.44	0.00	22.00
		36	20	20.31	20.22	20.62	20.88	20.32	3.00	22.00	20.29	20.22	20.68	20.89	20.40	0.00	22.00
		36	39	20.26	20.31	20.67	20.79	20.23	3.00	22.00	20.27	20.28	20.68	20.79	20.29	0.00	22.00
		75	0	20.33	20.30	20.63	20.91	20.37	3.00	22.00	20.30	20.29	20.68	20.93	20.38	0.00	22.00
	256QAM	1	0	18.22	18.24	18.38	18.84	18.28	5.00	20.00	18.23	18.25	18.40	18.90	18.41	2.00	20.00
		1	37	18.22	18.23	18.56	18.82	18.25	5.00	20.00	18.30	18.35	18.59	18.78	18.39	2.00	20.00
		1	74	18.22	18.42	18.63	18.72	18.16	5.00	20.00	18.40	18.36	18.67	18.78	18.26	2.00	20.00
		36	0	18.23	18.24	18.54	18.90	18.37	5.00	20.00	18.22	18.21	18.54	18.92	18.40	2.00	20.00
		36	20	18.31	18.23	18.61	18.88	18.33	5.00	20.00	18.26	18.19	18.65	18.88	18.37	2.00	20.00
		36	39	18.29	18.30	18.62	18.77	18.23	5.00	20.00	18.25	18.27	18.64	18.82	18.27	2.00	20.00
		75	0	18.31	18.31	18.62	18.87	18.34	5.00	20.00	18.28	18.29	18.66	18.90	18.37	2.00	20.00

LTE Band 41 (Power Class 3) (Ant F) Measured Results_(Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
				39750.00	40185.00	40620.00	41055.00	41490.00			39750.00	40185.00	40620.00	41055.00	41490.00		
				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	23.38	23.36	23.62	23.92	23.35	0.00	25.00	20.48	20.54	20.84	21.20	20.60	0.00	22.00
		1	25	23.41	23.40	23.69	23.97	23.35	0.00	25.00	20.53	20.60	20.96	21.21	20.62	0.00	22.00
		1	49	23.32	23.34	23.67	23.83	23.27	0.00	25.00	20.45	20.52	20.92	21.09	20.51	0.00	22.00
		25	0	22.45	22.36	22.70	22.98	22.44	1.00	24.00	20.59	20.51	20.91	21.22	20.66	0.00	22.00
		25	12	22.45	22.46	22.81	23.01	22.43	1.00	24.00	20.59	20.59	21.01	21.26	20.67	0.00	22.00
		25	25	22.39	22.42	22.77	22.88	22.32	1.00	24.00	20.58	20.58	21.00	21.14	20.56	0.00	22.00
		50	0	22.40	22.42	22.77	22.99	22.39	1.00	24.00	20.57	20.59	20.95	21.22	20.62	0.00	22.00
	16QAM	1	0	22.47	22.45	22.75	23.00	22.42	1.00	24.00	20.64	20.39	20.76	21.05	20.69	0.00	22.00
		1	25	22.52	22.47	22.79	23.03	22.50	1.00	24.00	20.63	20.49	20.80	21.14	20.70	0.00	22.00
		1	49	22.49	22.45	22.80	22.97	22.36	1.00	24.00	20.62	20.37	20.84	21.04	20.58	0.00	22.00
		25	0	21.45	21.33	21.72	22.02	21.50	2.00	23.00	20.59	20.52	20.86	21.23	20.61	0.00	22.00
		25	12	21.42	21.47	21.83	21.99	21.49	2.00	23.00	20.59	20.61	20.98	21.24	20.64	0.00	22.00
		25	25	21.40	21.44	21.81	21.92	21.37	2.00	23.00	20.57	20.59	20.95	21.14	20.49	0.00	22.00
		50	0	21.44	21.41	21.74	21.99	21.40	2.00	23.00	20.59	20.59	20.95	21.23	20.62	0.00	22.00
	64QAM	1	0	21.35	21.39	21.72	21.93	21.29	2.00	23.00	20.50	20.60	20.78	21.20	20.65	0.00	22.00
		1	25	21.37	21.38	21.77	21.96	21.31	2.00	23.00	20.55	20.70	20.83	21.22	20.62	0.00	22.00
		1	49	21.28	21.35	21.71	21.72	21.23	2.00	23.00	20.51	20.68	20.84	21.15	20.55	0.00	22.00
		25	0	20.44	20.33	20.69	20.97	20.40	3.00	22.00	20.38	20.32	20.70	21.07	20.45	0.00	22.00
		25	12	20.47	20.44	20.80	21.01	20.41	3.00	22.00	20.40	20.43	20.80	21.08	20.48	0.00	22.00
		25	25	20.42	20.41	20.77	20.88	20.35	3.00	22.00	20.38	20.39	20.77	20.97	20.35	0.00	22.00
		50	0	20.41	20.43	20.78	20.96	20.41	3.00	22.00	20.38	20.39	20.76	21.06	20.45	0.00	22.00
	256QAM	1	0	18.36	18.41	18.53	18.93	18.41	5.00	20.00	18.23	18.17	18.53	18.99	18.42	2.00	20.00
		1	25	18.43	18.55	18.73	18.91	18.49	5.00	20.00	18.40	18.40	18.70	19.03	18.43	2.00	20.00
		1	49	18.39	18.46	18.65	18.79	18.30	5.00	20.00	18.23	18.24	18.59	18.88	18.27	2.00	20.00
		25	0	18.43	18.36	18.68	18.95	18.44	5.00	20.00	18.36	18.34	18.69	19.12	18.47	2.00	20.00
		25	12	18.46	18.45	18.78	19.01	18.47	5.00	20.00	18.43	18.41	18.77	19.10	18.46	2.00	20.00
		25	25	18.43	18.42	18.77	18.87	18.30	5.00	20.00	18.38	18.40	18.77	18.98	18.35	2.00	20.00
		50	0	18.39	18.39	18.75	18.97	18.41	5.00	20.00	18.36	18.40	18.77	19.08	18.42	2.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
				39750.00	40185.00	40620.00	41055.00	41490.00			39750.00	40185.00	40620.00	41055.00	41490.00		
				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	23.37	23.33	23.62	23.91	23.34	0.00	25.00	20.48	20.47	20.86	21.17	20.60	0.00	22.00
		1	12	23.41	23.44	23.72	24.00	23.41	0.00	25.00	20.55	20.54	20.97	21.27	20.66	0.00	22.00
		1	24	23.32	23.34	23.68	23.87	23.30	0.00	25.00	20.47	20.48	20.90	21.14	20.57	0.00	22.00
		12	0	22.40	22.30	22.64	22.98	22.40	1.00	24.00	20.56	20.47	20.87	21.22	20.63	0.00	22.00
		12	7	22.42	22.39	22.75	23.00	22.41	1.00	24.00	20.57	20.60	20.98	21.22	20.65	0.00	22.00
		12	13	22.39	22.37	22.75	22.95	22.29	1.00	24.00	20.53	20.56	20.96	21.22	20.56	0.00	22.00
		25	0	22.38	22.37	22.70	22.95	22.38	1.00	24.00	20.56	20.57	20.94	21.19	20.62	0.00	22.00
	16QAM	1	0	22.39	22.34	22.65	22.93	22.34	1.00	24.00	20.49	20.53	20.91	21.19	20.64	0.00	22.00
		1	12	22.46	22.47	22.80	23.01	22.44	1.00	24.00	20.58	20.63	21.01	21.26	20.69	0.00	22.00
		1	24	22.36	22.37	22.69	22.90	22.36	1.00	24.00	20.49	20.53	20.93	21.15	20.58	0.00	22.00
		12	0	21.47	21.19	21.71	21.98	21.40	2.00	23.00	20.51	20.52	20.86	21.21	20.61	0.00	22.00
		12	7	21.49	21.29	21.82	22.01	21.44	2.00	23.00	20.56	20.63	20.99	21.23	20.66	0.00	22.00
		12	13	21.43	21.25	21.79	21.97	21.34	2.00	23.00	20.52	20.63	20.97	21.20	20.53	0.00	22.00
		25	0	21.37	21.39	21.72	21.93	21.37	2.00	23.00	20.54	20.58	20.91	21.26	20.56	0.00	22.00
	64QAM	1	0	21.42	21.31	21.70	21.95	21.37	2.00	23.00	20.60	20.50	20.95	21.25	20.66	0.00	22.00
		1	12	21.45	21.47	21.77	21.97	21.44	2.00	23.00	20.69	20.62	21.03	21.31	20.70	0.00	22.00
		1	24	21.37	21.41	21.68	21.86	21.30	2.00	23.00	20.60	20.57	20.98	21.20	20.57	0.00	22.00
		12	0	20.36	20.33	20.62	20.94	20.39	3.00	22.00	20.35	20.29	20.66	21.02	20.45	0.00	22.00
		12	7	20.44	20.40	20.74	21.02	20.43	3.00	22.00	20.38	20.44	20.81	21.04	20.47	0.00	22.00
		12	13	20.38	20.39	20.73	20.95	20.28	3.00	22.00	20.34	20.38	20.78	20.98	20.35	0.00	22.00
		25	0	20.39	20.38	20.74	20.95	20.39	3.00	22.00	20.38	20.38	20.75	20.99	20.43	0.00	22.00
	256QAM	1	0	18.22	18.24	18.54	18.98	18.39	5.00	20.00	18.24	18.22	18.63	18.95	18.32	2.00	20.00
		1	12	18.41	18.45	18.72	19.02	18.43	5.00	20.00	18.39	18.32	18.76	19.02	18.38	2.00	20.00
		1	24	18.34	18.36	18.71	18.85	18.30	5.00	20.00	18.33	18.26	18.71	18.88	18.29	2.00	20.00
		12	0	18.40	18.28	18.60	18.97	18.37	5.00	20.00	18.36	18.30	18.66	19.05	18.41	2.00	20.00
		12	7	18.40	18.39	18.74	19.02	18.43	5.00	20.00	18.41	18.42	18.79	19.05	18.47	2.00	20.00
		12	13	18.33	18.37	18.68	18.94	18.32	5.00	20.00	18.34	18.41	18.73	19.04	18.37	2.00	20.00
		25	0	18.37	18.40	18.70	18.94	18.38	5.00	20.00	18.38	18.39	18.73	19.02	18.44	2.00	20.00

LTE Band 41 (Power Class 2) (Ant F) Measured Results

DSI	Modulation	BW (MHz)	Channel	Freq. (MHz)	RB/Offset	Output Power (dBm)	
						Tune-up Limit	Meas. Power
DSI = 0,1	QPSK	20	40620	2593.0	50/0	23.60	22.67
DSI = 2,3	QPSK	20	40620	2593.0	1/0	26.50	25.39

Notes:

Conducted Power measurement for LTE Band 41 Power Class 2 were performed with the highest SAR test configuration in Power Class 3 for each RF Exposure condition.

LTE Band 48 Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)											
				DIS = 2, 3						DIS = 0, 1					
				Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit
				55340	55773	56207	56640			55340	55773	56207	56640		
				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	22.07	22.11	22.22	22.25	0.00	23.00	20.28	20.11	20.13	20.26	0.00	21.00
		1	49	22.28	22.19	22.24	22.25	0.00	23.00	20.29	20.20	20.25	20.25	0.00	21.00
		1	99	22.11	22.17	22.19	22.16	0.00	23.00	20.23	20.20	20.23	20.20	0.00	21.00
		50	0	22.11	22.26	22.33	22.33	0.00	23.00	20.35	20.28	20.39	20.37	0.00	21.00
		50	24	22.35	22.28	22.33	22.31	0.00	23.00	20.44	20.31	20.33	20.38	0.00	21.00
		50	50	22.22	22.30	22.33	22.32	0.00	23.00	20.25	20.34	20.41	20.35	0.00	21.00
		100	0	22.19	22.26	22.34	22.32	0.00	23.00	20.22	20.30	20.40	20.37	0.00	21.00
	16QAM	1	0	22.18	22.22	22.30	22.28	0.00	23.00	20.15	20.23	20.30	20.07	0.00	21.00
		1	49	22.28	22.34	22.40	22.28	0.00	23.00	20.25	20.37	20.26	20.11	0.00	21.00
		1	99	22.23	22.26	22.29	22.16	0.00	23.00	20.20	20.29	20.28	19.99	0.00	21.00
		50	0	21.92	22.10	22.19	22.14	0.00	23.00	20.13	20.29	20.39	20.37	0.00	21.00
		50	24	22.05	22.10	22.18	22.17	0.00	23.00	20.22	20.31	20.42	20.35	0.00	21.00
		50	50	22.01	22.09	22.18	22.13	0.00	23.00	20.29	20.32	20.41	20.34	0.00	21.00
		100	0	22.04	22.09	22.18	22.18	0.00	23.00	20.27	20.31	20.42	20.34	0.00	21.00
	64QAM	1	0	21.91	21.95	22.12	21.96	0.00	23.00	20.18	20.17	20.20	20.26	0.00	21.00
		1	49	21.93	22.03	22.23	22.08	0.00	23.00	20.21	20.22	20.29	20.27	0.00	21.00
		1	99	21.94	22.02	22.10	21.95	0.00	23.00	20.24	20.29	20.20	20.11	0.00	21.00
		50	0	20.95	21.07	21.20	21.18	1.00	22.00	20.11	20.27	20.35	20.35	0.00	21.00
		50	24	21.03	21.08	21.18	21.17	1.00	22.00	20.21	20.30	20.37	20.33	0.00	21.00
		50	50	21.05	21.09	21.18	21.17	1.00	22.00	20.21	20.30	20.37	20.31	0.00	21.00
		100	0	21.03	21.08	21.18	21.14	1.00	22.00	20.21	20.28	20.36	20.30	0.00	21.00
	256QAM	1	0	18.98	18.94	19.10	19.12	3.00	20.00	18.78	18.85	19.10	19.11	1.00	20.00
		1	49	19.06	18.95	19.10	19.07	3.00	20.00	18.84	18.93	18.99	19.17	1.00	20.00
		1	99	19.14	19.02	19.00	19.02	3.00	20.00	18.91	19.00	19.02	19.12	1.00	20.00
		50	0	18.91	19.08	19.19	19.15	3.00	20.00	18.93	19.07	19.16	19.14	1.00	20.00
		50	24	19.03	19.08	19.20	19.14	3.00	20.00	19.03	19.08	19.19	19.15	1.00	20.00
		50	50	19.04	19.08	19.19	19.11	3.00	20.00	19.03	19.10	19.18	19.14	1.00	20.00
		100	0	19.03	19.08	19.16	19.14	3.00	20.00	19.01	19.09	19.17	19.13	1.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit
				55315.00	55765.00	56215.00	56665.00			55315.00	55765.00	56215.00	56665.00		
				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	22.05	22.18	22.26	22.21	0.00	23.00	20.05	20.11	20.21	20.16	0.00	21.00
		1	37	22.11	22.18	22.22	22.20	0.00	23.00	20.09	20.22	20.18	20.17	0.00	21.00
		1	74	22.06	22.15	22.14	22.10	0.00	23.00	20.07	20.20	20.11	20.10	0.00	21.00
		36	0	22.16	22.24	22.31	22.28	0.00	23.00	20.18	20.28	20.31	20.27	0.00	21.00
		36	20	22.17	22.24	22.28	22.25	0.00	23.00	20.20	20.26	20.31	20.26	0.00	21.00
		36	39	22.17	22.24	22.27	22.24	0.00	23.00	20.19	20.27	20.29	20.27	0.00	21.00
		75	0	22.17	22.25	22.28	22.27	0.00	23.00	20.18	20.26	20.28	20.26	0.00	21.00
	16QAM	1	0	22.02	22.14	22.26	22.10	0.00	23.00	20.08	20.15	20.24	20.14	0.00	21.00
		1	37	22.04	22.20	22.27	22.18	0.00	23.00	20.12	20.16	20.28	20.14	0.00	21.00
		1	74	22.03	22.12	22.23	22.05	0.00	23.00	20.09	20.13	20.17	20.01	0.00	21.00
		36	0	21.99	22.07	22.14	22.10	0.00	23.00	20.17	20.26	20.33	20.29	0.00	21.00
		36	20	21.99	22.06	22.13	22.09	0.00	23.00	20.19	20.27	20.29	20.27	0.00	21.00
		36	39	21.99	22.07	22.10	22.08	0.00	23.00	20.19	20.26	20.30	20.27	0.00	21.00
		75	0	21.98	22.08	22.12	22.08	0.00	23.00	20.18	20.29	20.29	20.29	0.00	21.00
	64QAM	1	0	21.84	21.91	22.00	21.93	0.00	23.00	20.00	20.15	20.25	20.09	0.00	21.00
		1	37	21.89	21.94	21.98	21.87	0.00	23.00	20.06	20.13	20.23	20.10	0.00	21.00
		1	74	21.85	21.91	21.92	21.85	0.00	23.00	20.00	20.04	20.14	19.97	0.00	21.00
		36	0	21.00	21.06	21.13	21.09	1.00	22.00	20.15	20.23	20.32	20.23	0.00	21.00
		36	20	21.00	21.08	21.10	21.07	1.00	22.00	20.15	20.24	20.27	20.22	0.00	21.00
		36	39	21.02	21.09	21.11	21.08	1.00	22.00	20.17	20.24	20.26	20.21	0.00	21.00
		75	0	21.03	21.06	21.13	21.10	1.00	22.00	20.15	20.25	20.27	20.24	0.00	21.00
	256QAM	1	0	18.86	18.87	19.00	18.99	3.00	20.00	18.87	18.94	18.99	18.95	1.00	20.00
		1	37	19.02	19.03	19.01	18.97	3.00	20.00	18.96	18.93	19.00	18.94	1.00	20.00
		1	74	18.98	19.08	18.99	19.01	3.00	20.00	18.98	19.04	18.94	18.90	1.00	20.00
		36	0	18.98	19.04	19.11	19.09	3.00	20.00	18.98	19.05	19.10	19.04	1.00	20.00
		36	20	18.98	19.06	19.11	19.09	3.00	20.00	18.98	19.04	19.10	19.04	1.00	20.00
		36	39	19.01	19.06	19.07	19.07	3.00	20.00	18.98	19.06	19.08	19.03	1.00	20.00
		75	0	19.01	19.06	19.11	19.09	3.00	20.00	18.99	19.06	19.10	19.05	1.00	20.00

LTE Band 48 Measured Results_(Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit
				55290.00	55757.00	56223.00	56690.00			55290.00	55757.00	56223.00	56690.00		
				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	22.22	22.13	22.39	22.37	0.00	23.00	20.20	20.25	20.21	20.36	0.00	20.50
		1	25	22.31	22.13	22.41	22.38	0.00	23.00	20.28	20.34	20.30	20.38	0.00	20.50
		1	49	22.26	22.13	22.39	22.34	0.00	23.00	20.19	20.30	20.22	20.30	0.00	20.50
		25	0	22.32	22.06	22.38	22.35	0.00	23.00	20.28	20.37	20.28	20.38	0.00	20.50
		25	12	22.33	22.13	22.43	22.44	0.00	23.00	20.33	20.42	20.32	20.41	0.00	20.50
		25	25	22.33	22.22	22.41	22.37	0.00	23.00	20.34	20.39	20.35	20.40	0.00	20.50
		50	0	22.31	22.10	22.39	22.34	0.00	23.00	20.30	20.38	20.32	20.38	0.00	20.50
	16QAM	1	0	22.19	22.05	22.33	22.35	0.00	23.00	20.22	20.24	20.22	20.38	0.00	20.50
		1	25	22.19	22.15	22.41	22.37	0.00	23.00	20.29	20.40	20.30	20.44	0.00	20.50
		1	49	22.35	22.19	22.45	22.33	0.00	23.00	20.27	20.37	20.23	20.30	0.00	20.50
		25	0	22.11	21.90	22.20	22.18	0.00	23.00	20.29	20.38	20.27	20.36	0.00	20.50
		25	12	22.15	21.96	22.24	22.21	0.00	23.00	20.35	20.41	20.34	20.44	0.00	20.50
		25	25	22.10	22.05	22.20	22.19	0.00	23.00	20.33	20.40	20.33	20.39	0.00	20.50
		50	0	22.11	21.94	22.19	22.16	0.00	23.00	20.31	20.35	20.29	20.35	0.00	20.50
	64QAM	1	0	22.16	21.92	22.07	22.05	0.00	23.00	20.29	20.30	20.27	20.45	0.00	20.50
		1	25	22.15	22.02	22.13	22.16	0.00	23.00	20.41	20.32	20.43	20.44	0.00	20.50
		1	49	22.05	22.01	22.14	22.09	0.00	23.00	20.29	20.32	20.23	20.35	0.00	20.50
		25	0	21.11	20.90	21.20	21.16	1.00	22.00	20.27	20.37	20.29	20.37	0.00	20.50
		25	12	21.13	20.95	21.23	21.18	1.00	22.00	20.34	20.41	20.32	20.40	0.00	20.50
		25	25	21.12	21.06	21.20	21.15	1.00	22.00	20.32	20.38	20.32	20.41	0.00	20.50
		50	0	21.08	20.93	21.22	21.16	1.00	22.00	20.29	20.34	20.31	20.42	0.00	20.50
	256QAM	1	0	18.83	18.77	19.14	19.14	3.00	20.00	19.05	19.06	18.99	19.07	1.00	19.50
		1	25	19.02	18.90	19.23	19.18	3.00	20.00	19.10	19.13	19.05	19.24	1.00	19.50
		1	49	19.04	18.91	19.17	19.06	3.00	20.00	19.02	19.09	18.93	19.08	1.00	19.50
		25	0	19.13	18.89	19.22	19.24	3.00	20.00	19.09	19.16	19.10	19.21	1.00	19.50
		25	12	19.14	18.93	19.25	19.24	3.00	20.00	19.14	19.19	19.15	19.27	1.00	19.50
		25	25	19.17	19.02	19.22	19.21	3.00	20.00	19.12	19.19	19.15	19.19	1.00	19.50
		50	0	19.13	18.92	19.23	19.20	3.00	20.00	19.09	19.16	19.13	19.19	1.00	19.50
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit
				55265.00	55748.00	56232.00	56715.00			39750.00	40185.00	41055.00	41490.00		
				3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz			2506 MHz	2549.5 MHz	2636.5 MHz	2680 MHz		
5 MHz	QPSK	1	0	22.27	22.28	22.35	22.31	0.00	23.00	20.18	20.27	20.33	20.31	0.00	20.50
		1	12	22.36	22.37	22.41	22.37	0.00	23.00	20.19	20.36	20.27	20.41	0.00	20.50
		1	24	22.29	22.29	22.34	22.26	0.00	23.00	20.30	20.29	20.32	20.34	0.00	20.50
		12	0	22.30	22.35	22.38	22.34	0.00	23.00	20.22	20.38	20.24	20.39	0.00	20.50
		12	7	22.35	22.39	22.42	22.40	0.00	23.00	20.19	20.40	20.23	20.39	0.00	20.50
		12	13	22.32	22.37	22.40	22.37	0.00	23.00	20.22	20.37	20.24	20.38	0.00	20.50
		25	0	22.31	22.35	22.38	22.37	0.00	23.00	20.29	20.34	20.30	20.37	0.00	20.50
	16QAM	1	0	22.27	22.27	22.44	22.27	0.00	23.00	20.31	20.25	20.07	20.38	0.00	20.50
		1	12	22.36	22.34	22.43	22.32	0.00	23.00	20.34	20.33	20.06	20.45	0.00	20.50
		1	24	22.28	22.39	22.31	22.25	0.00	23.00	20.38	20.24	20.13	20.35	0.00	20.50
		12	0	22.08	22.17	22.24	22.14	0.00	23.00	20.22	20.31	20.23	20.41	0.00	20.50
		12	7	22.12	22.21	22.28	22.16	0.00	23.00	20.18	20.33	20.20	20.47	0.00	20.50
		12	13	22.09	22.18	22.26	22.14	0.00	23.00	20.17	20.34	20.21	20.40	0.00	20.50
		25	0	22.09	22.17	22.17	22.17	0.00	23.00	20.30	20.34	20.32	20.38	0.00	20.50
	64QAM	1	0	22.04	22.09	22.15	22.15	0.00	23.00	20.31	20.37	20.21	20.39	0.00	20.50
		1	12	22.18	22.19	22.19	22.18	0.00	23.00	20.35	20.47	20.27	20.46	0.00	20.50
		1	24	22.10	22.10	22.15	22.11	0.00	23.00	20.39	20.34	20.29	20.42	0.00	20.50
		12	0	21.08	21.15	21.16	21.15	1.00	22.00	20.29	20.35	20.27	20.38	0.00	20.50
		12	7	21.13	21.18	21.21	21.18	1.00	22.00	20.23	20.38	20.22	20.40	0.00	20.50
		12	13	21.10	21.15	21.20	21.15	1.00	22.00	20.25	20.36	20.20	20.39	0.00	20.50
		25	0	21.08	21.17	21.17	21.16	1.00	22.00	20.27	20.36	20.28	20.40	0.00	20.50
	256QAM	1	0	19.08	19.10	19.12	19.15	3.00	20.00	19.09	19.05	18.98	19.20	1.00	19.50
		1	12	19.15	19.25	19.19	19.20	3.00	20.00	19.12	19.22	18.97	19.24	1.00	19.50
		1	24	19.08	19.21	19.11	19.14	3.00	20.00	19.27	19.20	19.06	19.13	1.00	19.50
		12	0	19.11	19.16	19.20	19.20	3.00	20.00	19.09	19.15	19.07	19.20	1.00	19.50
		12	7	19.13	19.19	19.22	19.21	3.00	20.00	19.04	19.22	19.08	19.22	1.00	19.50
		12	13	19.10	19.19	19.19	19.17	3.00	20.00	19.04	19.16	19.06	19.19	1.00	19.50
		25	0	19.12	19.18	19.17	19.15	3.00	20.00	19.08	19.16	19.10	19.19	1.00	19.50

LTE Band 66 (Ant B) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)									
				DSI = 2, 3					DSI = 0, 1				
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				132072	132322	132572			132072	132322	132572		
				1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	23.58	23.48	23.32	0.00	25.00	19.00	18.83	18.66	0.00	20.00
		1	49	23.51	23.41	23.19	0.00	25.00	19.00	18.85	18.77	0.00	20.00
		1	99	23.61	23.40	23.04	0.00	25.00	19.08	18.96	18.84	0.00	20.00
		50	0	22.56	22.42	22.37	1.00	24.00	19.03	18.87	18.80	0.00	20.00
		50	24	22.62	22.49	22.34	1.00	24.00	19.04	18.92	18.79	0.00	20.00
		50	50	22.65	22.47	22.27	1.00	24.00	19.08	18.86	18.83	0.00	20.00
		100	0	22.63	22.49	22.34	1.00	24.00	19.07	18.92	18.78	0.00	20.00
	16QAM	1	0	23.01	22.85	22.76	1.00	24.00	19.26	19.01	19.02	0.00	20.00
		1	49	22.89	22.85	22.50	1.00	24.00	19.24	19.00	19.05	0.00	20.00
		1	99	23.00	22.81	22.46	1.00	24.00	19.12	18.90	18.85	0.00	20.00
		50	0	21.60	21.44	21.39	2.00	23.00	19.06	18.88	18.82	0.00	20.00
		50	24	21.67	21.51	21.39	2.00	23.00	19.09	18.94	18.79	0.00	20.00
		50	50	21.66	21.49	21.45	2.00	23.00	19.03	18.89	18.82	0.00	20.00
		100	0	21.64	21.50	21.38	2.00	23.00	19.07	18.92	18.79	0.00	20.00
	64QAM	1	0	21.80	21.66	21.56	2.00	23.00	19.22	18.94	19.06	0.00	20.00
		1	49	21.80	21.59	21.56	2.00	23.00	19.12	19.01	19.05	0.00	20.00
		1	99	21.75	21.59	21.54	2.00	23.00	19.06	19.04	18.90	0.00	20.00
		50	0	20.57	20.41	20.35	3.00	22.00	18.92	18.90	18.82	0.00	20.00
		50	24	20.66	20.46	20.35	3.00	22.00	18.95	18.94	18.81	0.00	20.00
		50	50	20.63	20.45	20.40	3.00	22.00	18.89	18.90	18.83	0.00	20.00
		100	0	20.64	20.45	20.34	3.00	22.00	18.94	18.94	18.78	0.00	20.00
	256QAM	1	0	18.82	18.65	18.52	5.00	20.00	19.13	19.16	18.97	0.00	20.00
		1	49	18.79	18.62	18.54	5.00	20.00	19.05	19.14	19.02	0.00	20.00
		1	99	18.81	18.68	18.58	5.00	20.00	19.12	19.13	18.98	0.00	20.00
		50	0	18.58	18.43	18.35	5.00	20.00	18.91	18.90	18.82	0.00	20.00
		50	24	18.64	18.50	18.35	5.00	20.00	18.97	18.97	18.81	0.00	20.00
		50	50	18.65	18.45	18.38	5.00	20.00	18.91	18.90	18.85	0.00	20.00
		100	0	18.65	18.46	18.35	5.00	20.00	18.94	18.92	18.82	0.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				132047.00	132322.00	132597.00			132047.00	132322.00	132597.00		
				1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	23.74	23.59	23.50	0.00	25.00	19.01	18.90	18.80	0.00	20.00
		1	37	23.70	23.53	23.48	0.00	25.00	18.98	18.84	18.76	0.00	20.00
		1	74	23.77	23.59	23.40	0.00	25.00	18.97	18.82	18.68	0.00	20.00
		36	0	22.79	22.53	22.49	1.00	24.00	19.07	18.84	18.78	0.00	20.00
		36	20	22.77	22.59	22.56	1.00	24.00	19.05	18.91	18.84	0.00	20.00
		36	39	22.76	22.58	22.55	1.00	24.00	19.01	18.87	18.80	0.00	20.00
		75	0	22.76	22.58	22.55	1.00	24.00	19.05	18.88	18.81	0.00	20.00
	16QAM	1	0	23.04	22.83	22.83	1.00	24.00	19.20	18.99	18.94	0.00	20.00
		1	37	23.02	22.75	22.79	1.00	24.00	19.16	18.97	18.99	0.00	20.00
		1	74	23.05	22.83	22.76	1.00	24.00	19.12	18.89	18.87	0.00	20.00
		36	0	21.83	21.58	21.53	2.00	23.00	19.10	18.88	18.79	0.00	20.00
		36	20	21.81	21.62	21.58	2.00	23.00	19.09	18.91	18.84	0.00	20.00
		36	39	21.79	21.61	21.58	2.00	23.00	19.04	18.90	18.82	0.00	20.00
		75	0	21.81	21.61	21.58	2.00	23.00	19.06	18.92	18.84	0.00	20.00
	64QAM	1	0	21.93	21.72	21.69	2.00	23.00	19.15	18.96	18.97	0.00	20.00
		1	37	21.91	21.71	21.69	2.00	23.00	19.16	18.92	18.94	0.00	20.00
		1	74	21.97	21.69	21.65	2.00	23.00	19.12	18.92	18.86	0.00	20.00
		36	0	20.79	20.55	20.51	3.00	22.00	19.08	18.80	18.78	0.00	20.00
		36	20	20.78	20.62	20.57	3.00	22.00	19.04	18.87	18.83	0.00	20.00
		36	39	20.77	20.60	20.55	3.00	22.00	19.03	18.82	18.83	0.00	20.00
		75	0	20.77	20.60	20.57	3.00	22.00	19.02	18.86	18.82	0.00	20.00
	256QAM	1	0	18.92	18.68	18.49	5.00	20.00	19.00	18.95	18.82	0.00	20.00
		1	37	18.87	18.71	18.59	5.00	20.00	19.04	18.97	18.82	0.00	20.00
		1	74	18.95	18.77	18.57	5.00	20.00	19.02	19.00	18.84	0.00	20.00
		36	0	18.80	18.55	18.49	5.00	20.00	19.07	18.82	18.78	0.00	20.00
		36	20	18.80	18.64	18.58	5.00	20.00	19.03	18.87	18.81	0.00	20.00
		36	39	18.77	18.63	18.57	5.00	20.00	19.01	18.84	18.80	0.00	20.00
		75	0	18.79	18.62	18.59	5.00	20.00	19.04	18.86	18.81	0.00	20.00

LTE Band 66 (Ant B) Measured Results_(Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	23.90	23.68	23.61	0.00	25.00	19.14	19.00	18.89	0.00	20.00
		1	25	23.90	23.75	23.69	0.00	25.00	19.18	18.99	18.92	0.00	20.00
		1	49	23.88	23.68	23.65	0.00	25.00	19.09	18.93	18.84	0.00	20.00
		25	0	22.90	22.61	22.62	1.00	24.00	19.19	18.97	18.85	0.00	20.00
		25	12	22.92	22.73	22.71	1.00	24.00	19.18	19.01	18.93	0.00	20.00
		25	25	22.89	22.72	22.68	1.00	24.00	19.17	18.98	18.89	0.00	20.00
		50	0	22.90	22.72	22.67	1.00	24.00	19.19	19.00	18.92	0.00	20.00
	16QAM	1	0	23.27	23.06	23.11	1.00	24.00	19.25	19.13	19.02	0.00	20.00
		1	25	23.26	23.08	23.05	1.00	24.00	19.31	19.14	19.03	0.00	20.00
		1	49	23.20	23.06	23.07	1.00	24.00	19.23	19.02	18.96	0.00	20.00
		25	0	21.93	21.69	21.64	2.00	23.00	19.20	18.96	18.89	0.00	20.00
		25	12	21.96	21.75	21.72	2.00	23.00	19.21	19.02	18.93	0.00	20.00
		25	25	21.93	21.76	21.71	2.00	23.00	19.14	18.99	18.92	0.00	20.00
		50	0	21.90	21.73	21.69	2.00	23.00	19.17	19.02	18.93	0.00	20.00
	64QAM	1	0	22.07	21.80	21.83	2.00	23.00	19.29	19.00	19.09	0.00	20.00
		1	25	22.11	21.85	21.88	2.00	23.00	19.39	19.06	19.16	0.00	20.00
		1	49	22.03	21.79	21.88	2.00	23.00	19.28	18.97	19.09	0.00	20.00
		25	0	20.91	20.61	20.57	3.00	22.00	19.16	18.90	18.90	0.00	20.00
		25	12	20.92	20.74	20.70	3.00	22.00	19.15	19.03	18.97	0.00	20.00
		25	25	20.89	20.71	20.68	3.00	22.00	19.12	18.94	18.95	0.00	20.00
		50	0	20.90	20.72	20.68	3.00	22.00	19.14	18.95	18.97	0.00	20.00
	256QAM	1	0	18.93	18.71	18.76	5.00	20.00	19.20	19.00	18.98	0.00	20.00
		1	25	19.04	18.82	18.86	5.00	20.00	19.31	19.09	19.10	0.00	20.00
		1	49	18.98	18.79	18.84	5.00	20.00	19.28	18.99	19.00	0.00	20.00
		25	0	18.92	18.66	18.56	5.00	20.00	19.15	18.90	18.89	0.00	20.00
		25	12	18.94	18.78	18.68	5.00	20.00	19.16	19.01	18.94	0.00	20.00
		25	25	18.92	18.73	18.67	5.00	20.00	19.13	18.95	18.92	0.00	20.00
		50	0	18.91	18.71	18.69	5.00	20.00	19.15	18.93	18.95	0.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	23.66	23.65	23.58	0.00	25.00	19.14	18.93	18.81	0.00	20.00
		1	12	23.54	23.77	23.68	0.00	25.00	19.17	19.01	18.90	0.00	20.00
		1	24	23.63	23.67	23.62	0.00	25.00	19.07	18.93	18.82	0.00	20.00
		12	0	22.83	22.61	22.57	1.00	24.00	19.10	18.90	18.84	0.00	20.00
		12	7	22.93	22.74	22.59	1.00	24.00	19.18	19.02	18.84	0.00	20.00
		12	13	22.89	22.71	22.64	1.00	24.00	19.16	18.97	18.89	0.00	20.00
		25	0	22.90	22.70	22.57	1.00	24.00	19.15	19.01	18.82	0.00	20.00
	16QAM	1	0	23.23	23.02	23.08	1.00	24.00	19.27	19.08	19.00	0.00	20.00
		1	12	23.20	23.16	23.15	1.00	24.00	19.43	19.16	19.07	0.00	20.00
		1	24	23.23	23.09	23.12	1.00	24.00	19.32	19.07	18.92	0.00	20.00
		12	0	21.85	21.66	21.66	2.00	23.00	19.16	18.96	18.87	0.00	20.00
		12	7	21.95	21.76	21.69	2.00	23.00	19.29	19.05	18.89	0.00	20.00
		12	13	21.93	21.73	21.73	2.00	23.00	19.24	19.03	18.94	0.00	20.00
		25	0	21.91	21.75	21.61	2.00	23.00	19.20	19.00	18.83	0.00	20.00
	64QAM	1	0	22.03	21.76	21.75	2.00	23.00	19.16	19.03	19.03	0.00	20.00
		1	12	22.12	21.86	21.84	2.00	23.00	19.28	19.10	19.15	0.00	20.00
		1	24	22.08	21.81	21.77	2.00	23.00	19.16	19.00	19.10	0.00	20.00
		12	0	20.83	20.62	20.58	3.00	22.00	19.09	18.86	18.90	0.00	20.00
		12	7	20.96	20.79	20.61	3.00	22.00	19.21	18.99	18.90	0.00	20.00
		12	13	20.94	20.73	20.67	3.00	22.00	19.15	18.95	18.95	0.00	20.00
		25	0	20.92	20.70	20.57	3.00	22.00	19.15	18.96	18.87	0.00	20.00
	256QAM	1	0	18.99	18.66	18.76	5.00	20.00	19.11	19.01	18.99	0.00	20.00
		1	12	19.12	18.80	18.89	5.00	20.00	19.27	19.13	19.16	0.00	20.00
		1	24	19.03	18.74	18.81	5.00	20.00	19.21	19.09	19.07	0.00	20.00
		12	0	18.84	18.65	18.56	5.00	20.00	19.10	18.87	18.85	0.00	20.00
		12	7	18.95	18.73	18.59	5.00	20.00	19.22	18.99	18.88	0.00	20.00
		12	13	18.91	18.72	18.63	5.00	20.00	19.17	18.94	18.93	0.00	20.00
		25	0	18.90	18.70	18.54	5.00	20.00	19.18	18.96	18.81	0.00	20.00

LTE Band 66 (Ant B) Measured Results_(Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	23.67	23.65	23.55	0.00	25.00	18.92	18.91	18.82	0.00	20.00
		1	8	23.66	23.73	23.68	0.00	25.00	18.93	18.90	18.82	0.00	20.00
		1	14	23.61	23.66	23.58	0.00	25.00	18.88	18.89	18.80	0.00	20.00
		8	0	22.90	22.68	22.55	1.00	24.00	18.94	18.94	18.84	0.00	20.00
		8	4	22.94	22.70	22.59	1.00	24.00	18.95	18.92	18.85	0.00	20.00
		8	7	22.90	22.69	22.57	1.00	24.00	18.93	18.91	18.82	0.00	20.00
		15	0	22.89	22.69	22.54	1.00	24.00	18.93	18.91	18.85	0.00	20.00
	16QAM	1	0	23.15	23.02	23.02	1.00	24.00	19.10	19.10	18.97	0.00	20.00
		1	8	23.19	23.08	23.13	1.00	24.00	19.09	19.10	19.03	0.00	20.00
		1	14	23.16	23.02	23.09	1.00	24.00	19.06	19.06	18.98	0.00	20.00
		8	0	22.01	21.69	21.62	2.00	23.00	18.97	18.97	18.87	0.00	20.00
		8	4	22.05	21.73	21.69	2.00	23.00	18.99	18.96	18.87	0.00	20.00
		8	7	22.06	21.71	21.66	2.00	23.00	18.98	18.93	18.86	0.00	20.00
		15	0	21.93	21.71	21.62	2.00	23.00	18.93	18.91	18.83	0.00	20.00
	64QAM	1	0	21.98	21.80	21.78	2.00	23.00	19.34	19.10	19.00	0.00	20.00
		1	8	22.13	21.92	21.88	2.00	23.00	19.43	19.10	19.11	0.00	20.00
		1	14	22.04	21.88	21.76	2.00	23.00	19.34	19.03	18.98	0.00	20.00
		8	0	20.91	20.74	20.63	3.00	22.00	19.12	19.00	18.88	0.00	20.00
		8	4	20.96	20.75	20.66	3.00	22.00	19.15	19.02	18.90	0.00	20.00
		8	7	20.95	20.76	20.67	3.00	22.00	19.17	19.02	18.88	0.00	20.00
		15	0	20.92	20.75	20.56	3.00	22.00	19.14	18.96	18.88	0.00	20.00
	256QAM	1	0	18.91	18.79	18.60	5.00	20.00	19.19	19.03	18.94	0.00	20.00
		1	8	19.09	18.87	18.80	5.00	20.00	19.25	19.12	19.08	0.00	20.00
		1	14	19.00	18.70	18.69	5.00	20.00	19.21	19.02	18.97	0.00	20.00
		8	0	18.93	18.71	18.56	5.00	20.00	19.16	18.98	18.81	0.00	20.00
		8	4	18.98	18.75	18.59	5.00	20.00	19.18	19.00	18.81	0.00	20.00
		8	7	18.96	18.73	18.61	5.00	20.00	19.18	19.00	18.80	0.00	20.00
		15	0	18.92	18.72	18.58	5.00	20.00	19.14	18.97	18.79	0.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	23.53	23.66	23.56	0.00	25.00	19.16	18.92	18.88	0.00	20.00
		1	3	23.56	23.68	23.58	0.00	25.00	19.18	18.96	18.90	0.00	20.00
		1	5	23.58	23.65	23.55	0.00	25.00	19.15	18.92	18.88	0.00	20.00
		3	0	23.55	23.66	23.60	0.00	25.00	19.17	18.94	18.91	0.00	20.00
		3	1	23.56	23.66	23.61	0.00	25.00	19.17	18.95	18.91	0.00	20.00
		3	3	23.56	23.66	23.61	0.00	25.00	19.13	18.95	18.91	0.00	20.00
		6	0	22.85	22.65	22.58	1.00	24.00	19.14	18.95	18.90	0.00	20.00
	16QAM	1	0	23.11	23.05	22.84	1.00	24.00	19.36	19.02	19.05	0.00	20.00
		1	3	23.14	23.03	22.82	1.00	24.00	19.28	19.08	19.09	0.00	20.00
		1	5	23.13	22.99	22.82	1.00	24.00	19.27	19.05	19.06	0.00	20.00
		3	0	22.92	22.87	22.79	1.00	24.00	19.24	19.01	18.96	0.00	20.00
		3	1	22.91	22.88	22.78	1.00	24.00	19.23	19.03	18.99	0.00	20.00
		3	3	22.94	22.87	22.76	1.00	24.00	19.21	19.02	18.98	0.00	20.00
		6	0	21.89	21.74	21.67	2.00	23.00	19.23	18.88	18.98	0.00	20.00
	64QAM	1	0	22.16	21.81	21.78	2.00	23.00	19.31	19.06	19.03	0.00	20.00
		1	3	22.12	21.82	21.94	2.00	23.00	19.32	19.07	19.06	0.00	20.00
		1	5	22.15	21.74	21.74	2.00	23.00	19.25	19.04	18.99	0.00	20.00
		3	0	21.98	21.80	21.72	2.00	23.00	19.21	18.88	18.90	0.00	20.00
		3	1	22.00	21.80	21.74	2.00	23.00	19.23	18.87	18.94	0.00	20.00
		3	3	22.03	21.81	21.73	2.00	23.00	19.20	18.90	18.96	0.00	20.00
		6	0	20.97	20.64	20.56	3.00	22.00	19.12	18.97	18.95	0.00	20.00
	256QAM	1	0	19.04	18.80	18.70	5.00	20.00	19.20	19.02	18.94	0.00	20.00
		1	3	19.06	18.77	18.72	5.00	20.00	19.24	19.08	19.02	0.00	20.00
		1	5	18.96	18.68	18.69	5.00	20.00	19.14	19.04	18.96	0.00	20.00
		3	0	18.92	18.65	18.61	5.00	20.00	19.17	18.96	18.93	0.00	20.00
		3	1	18.98	18.69	18.64	5.00	20.00	19.17	18.97	18.91	0.00	20.00
		3	3	18.92	18.70	18.62	5.00	20.00	19.25	18.95	18.91	0.00	20.00
		6	0	18.90	18.70	18.65	5.00	20.00	19.17	18.81	19.07	0.00	20.00

LTE Band 66 (Ant F) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)									
				DSI = 2, 3					DSI = 0, 1				
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				132072	132322	132572			132072	132322	132572		
				1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	22.40	22.42	22.59	0.00	23.50	19.55	19.79	19.98	0.00	21.00
		1	49	22.42	22.43	22.58	0.00	23.50	19.57	19.76	20.00	0.00	21.00
		1	99	22.50	22.50	22.61	0.00	23.50	19.68	19.81	20.01	0.00	21.00
		50	0	22.52	22.53	22.71	0.00	23.50	19.54	19.75	20.10	0.00	21.00
		50	24	22.45	22.45	22.66	0.00	23.50	19.66	19.78	20.01	0.00	21.00
		50	50	22.43	22.43	22.64	0.00	23.50	19.67	19.86	20.00	0.00	21.00
		100	0	22.43	22.44	22.64	0.00	23.50	19.64	19.78	20.02	0.00	21.00
	16QAM	1	0	22.83	22.74	22.89	0.00	23.50	19.97	20.03	20.23	0.00	21.00
		1	49	22.83	22.76	22.96	0.00	23.50	19.98	20.13	20.40	0.00	21.00
		1	99	22.92	22.79	22.86	0.00	23.50	20.09	20.17	20.28	0.00	21.00
		50	0	21.94	21.94	22.15	0.00	23.50	19.56	19.76	20.00	0.00	21.00
		50	24	21.95	21.96	22.07	0.00	23.50	19.66	19.77	20.02	0.00	21.00
		50	50	22.04	22.05	22.01	0.00	23.50	19.69	19.88	20.08	0.00	21.00
		100	0	21.95	21.95	22.16	0.00	23.50	19.68	19.77	19.98	0.00	21.00
	64QAM	1	0	22.17	22.20	22.24	0.00	23.50	19.78	20.00	20.14	0.00	21.00
		1	49	22.15	22.21	22.34	0.00	23.50	19.95	20.02	20.19	0.00	21.00
		1	99	22.27	22.23	22.33	0.00	23.50	20.02	20.07	20.16	0.00	21.00
		50	0	20.91	20.94	21.12	1.00	22.50	19.75	19.80	20.00	0.00	21.00
		50	24	20.96	20.96	21.14	1.00	22.50	19.77	19.81	20.03	0.00	21.00
		50	50	21.02	21.03	21.21	1.00	22.50	19.83	19.87	20.11	0.00	21.00
		100	0	20.93	20.95	21.15	1.00	22.50	19.76	19.78	20.01	0.00	21.00
	256QAM	1	0	19.14	19.19	19.29	3.00	20.50	19.01	19.02	19.32	1.00	20.00
		1	49	19.17	19.26	19.34	3.00	20.50	19.05	19.11	19.38	1.00	20.00
		1	99	19.30	19.34	19.37	3.00	20.50	19.17	19.19	19.35	1.00	20.00
		50	0	18.97	18.98	19.15	3.00	20.50	18.86	18.90	19.10	1.00	20.00
		50	24	18.97	18.97	19.17	3.00	20.50	18.90	18.91	19.12	1.00	20.00
		50	50	19.04	19.06	19.21	3.00	20.50	18.94	18.98	19.17	1.00	20.00
		100	0	18.96	18.96	19.16	3.00	20.50	18.86	18.89	19.09	1.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				132047.00	132322.00	132597.00			132047.00	132322.00	132597.00		
				1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	22.21	22.43	22.78	0.00	23.50	19.57	19.82	20.12	0.00	21.00
		1	37	22.25	22.48	22.73	0.00	23.50	19.60	19.89	20.09	0.00	21.00
		1	74	22.35	22.55	22.67	0.00	23.50	19.71	19.92	20.03	0.00	21.00
		36	0	22.17	22.48	22.70	0.00	23.50	19.60	19.85	20.07	0.00	21.00
		36	20	22.20	22.46	22.61	0.00	23.50	19.70	19.85	20.07	0.00	21.00
		36	39	22.37	22.56	22.72	0.00	23.50	19.72	19.94	20.15	0.00	21.00
		75	0	22.31	22.47	22.71	0.00	23.50	19.69	19.85	20.07	0.00	21.00
	16QAM	1	0	22.31	22.56	22.86	0.00	23.50	19.72	19.98	20.25	0.00	21.00
		1	37	22.27	22.64	22.65	0.00	23.50	19.81	19.96	20.28	0.00	21.00
		1	74	22.52	22.69	22.87	0.00	23.50	19.88	20.04	20.24	0.00	21.00
		36	0	21.31	21.97	21.96	0.00	23.50	19.59	19.84	20.08	0.00	21.00
		36	20	21.40	21.95	21.77	0.00	23.50	19.70	19.83	20.08	0.00	21.00
		36	39	21.65	22.06	21.89	0.00	23.50	19.72	19.90	20.14	0.00	21.00
		75	0	21.55	21.97	21.97	0.00	23.50	19.72	19.84	20.07	0.00	21.00
	64QAM	1	0	21.89	22.10	22.29	0.00	23.50	19.72	20.03	20.30	0.00	21.00
		1	37	21.79	22.13	22.04	0.00	23.50	19.77	20.06	20.36	0.00	21.00
		1	74	22.03	22.22	22.27	0.00	23.50	19.93	20.14	20.31	0.00	21.00
		36	0	20.67	20.98	21.20	1.00	22.50	19.62	19.89	20.11	0.00	21.00
		36	20	20.72	20.95	21.10	1.00	22.50	19.73	19.89	20.11	0.00	21.00
		36	39	20.84	21.04	21.20	1.00	22.50	19.75	19.99	20.18	0.00	21.00
		75	0	20.82	20.97	21.20	1.00	22.50	19.72	19.90	20.10	0.00	21.00
	256QAM	1	0	18.77	19.01	19.30	3.00	20.50	18.82	19.05	19.25	1.00	20.00
		1	37	18.88	19.09	19.33	3.00	20.50	18.91	19.17	19.22	1.00	20.00
		1	74	18.91	19.13	19.45	3.00	20.50	19.03	19.25	19.35	1.00	20.00
		36	0	18.71	18.98	19.22	3.00	20.50	18.69	19.02	19.20	1.00	20.00
		36	20	18.79	19.00	19.22	3.00	20.50	18.80	19.00	19.20	1.00	20.00
		36	39	18.82	19.08	19.29	3.00	20.50	18.83	19.08	19.26	1.00	20.00
		75	0	18.80	18.99	19.22	3.00	20.50	18.81	19.01	19.21	1.00	20.00

LTE Band 66 (Ant F) Measured Results_(Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	22.30	22.55	22.83	0.00	23.50	19.70	19.91	20.18	0.00	21.00
		1	25	22.33	22.66	22.89	0.00	23.50	19.79	20.01	20.28	0.00	21.00
		1	49	22.33	22.61	22.86	0.00	23.50	19.76	19.99	20.23	0.00	21.00
		25	0	22.18	22.55	22.80	0.00	23.50	19.67	19.95	20.19	0.00	21.00
		25	12	22.13	22.57	22.80	0.00	23.50	19.79	20.00	20.23	0.00	21.00
		25	25	22.36	22.65	22.89	0.00	23.50	19.77	20.02	20.27	0.00	21.00
		50	0	22.27	22.58	22.80	0.00	23.50	19.75	19.93	20.22	0.00	21.00
	16QAM	1	0	22.35	22.69	23.04	0.00	23.50	19.81	20.06	20.36	0.00	21.00
		1	25	22.08	22.77	22.83	0.00	23.50	19.83	20.17	20.41	0.00	21.00
		1	49	22.49	22.71	23.03	0.00	23.50	19.87	20.10	20.37	0.00	21.00
		25	0	21.33	22.07	21.98	0.00	23.50	19.68	19.94	20.20	0.00	21.00
		25	12	21.33	22.10	21.97	0.00	23.50	19.79	19.97	20.23	0.00	21.00
		25	25	21.55	22.16	22.18	0.00	23.50	19.79	20.04	20.29	0.00	21.00
		50	0	21.47	22.07	22.10	0.00	23.50	19.79	19.96	20.18	0.00	21.00
	64QAM	1	0	22.01	22.26	22.51	0.00	23.50	19.78	20.14	20.36	0.00	21.00
		1	25	21.66	22.37	22.18	0.00	23.50	19.87	20.24	20.47	0.00	21.00
		1	49	21.99	22.31	22.50	0.00	23.50	19.91	20.18	20.38	0.00	21.00
		25	0	20.67	21.05	21.24	1.00	22.50	19.68	19.95	20.22	0.00	21.00
		25	12	20.63	21.10	21.20	1.00	22.50	19.81	20.00	20.27	0.00	21.00
		25	25	20.85	21.14	21.40	1.00	22.50	19.81	20.07	20.33	0.00	21.00
		50	0	20.77	21.05	21.29	1.00	22.50	19.83	19.98	20.23	0.00	21.00
	256QAM	1	0	18.93	19.15	19.39	3.00	20.50	18.90	19.12	19.44	1.00	20.00
		1	25	18.88	19.31	19.47	3.00	20.50	18.83	19.27	19.50	1.00	20.00
		1	49	19.05	19.26	19.46	3.00	20.50	19.03	19.19	19.50	1.00	20.00
		25	0	18.85	19.08	19.34	3.00	20.50	18.83	19.09	19.35	1.00	20.00
		25	12	18.87	19.12	19.37	3.00	20.50	18.80	19.10	19.40	1.00	20.00
		25	25	18.90	19.20	19.41	3.00	20.50	18.94	19.16	19.44	1.00	20.00
		50	0	18.91	19.08	19.31	3.00	20.50	18.91	19.08	19.34	1.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	22.25	22.51	22.77	0.00	23.50	19.60	19.94	20.19	0.00	21.00
		1	12	22.36	22.67	22.89	0.00	23.50	19.71	20.01	20.30	0.00	21.00
		1	24	22.28	22.57	22.83	0.00	23.50	19.65	19.99	20.22	0.00	21.00
		12	0	22.08	22.55	22.80	0.00	23.50	19.71	19.90	20.18	0.00	21.00
		12	7	22.04	22.57	22.84	0.00	23.50	19.77	19.95	20.25	0.00	21.00
		12	13	22.05	22.62	22.89	0.00	23.50	19.72	20.01	20.29	0.00	21.00
		25	0	22.06	22.52	22.79	0.00	23.50	19.70	19.94	20.19	0.00	21.00
	16QAM	1	0	22.24	22.69	22.93	0.00	23.50	19.85	20.01	20.36	0.00	21.00
		1	12	22.13	22.91	23.07	0.00	23.50	19.94	20.14	20.51	0.00	21.00
		1	24	22.34	22.79	23.09	0.00	23.50	19.89	20.08	20.34	0.00	21.00
		12	0	21.31	22.00	22.09	0.00	23.50	19.69	19.85	20.17	0.00	21.00
		12	7	21.29	22.06	22.15	0.00	23.50	19.78	19.98	20.23	0.00	21.00
		12	13	21.28	22.14	22.24	0.00	23.50	19.74	20.01	20.25	0.00	21.00
		25	0	21.27	22.05	22.21	0.00	23.50	19.73	19.91	20.17	0.00	21.00
	64QAM	1	0	21.76	22.19	22.54	0.00	23.50	19.88	20.02	20.44	0.00	21.00
		1	12	21.52	22.29	22.41	0.00	23.50	19.94	20.19	20.57	0.00	21.00
		1	24	21.68	22.19	22.62	0.00	23.50	19.94	20.11	20.47	0.00	21.00
		12	0	20.53	21.08	21.31	1.00	22.50	19.81	19.99	20.26	0.00	21.00
		12	7	20.49	21.10	21.36	1.00	22.50	19.84	20.01	20.27	0.00	21.00
		12	13	20.50	21.18	21.43	1.00	22.50	19.81	20.08	20.31	0.00	21.00
		25	0	20.50	21.05	21.33	1.00	22.50	19.78	19.98	20.23	0.00	21.00
	256QAM	1	0	18.91	19.12	19.41	3.00	20.50	18.90	19.13	19.46	1.00	20.00
		1	12	18.79	19.30	19.57	3.00	20.50	18.71	19.26	19.58	1.00	20.00
		1	24	19.01	19.18	19.50	3.00	20.50	18.89	19.19	19.50	1.00	20.00
		12	0	18.76	19.08	19.33	3.00	20.50	18.71	19.08	19.37	1.00	20.00
		12	7	18.73	19.12	19.39	3.00	20.50	18.65	19.11	19.42	1.00	20.00
		12	13	18.74	19.19	19.42	3.00	20.50	18.68	19.16	19.46	1.00	20.00
		25	0	18.76	19.06	19.33	3.00	20.50	18.71	19.04	19.35	1.00	20.00

LTE Band 66 (Ant F) Measured Results_(Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	22.22	22.50	22.78	0.00	23.50	19.66	19.87	20.20	0.00	21.00
		1	8	22.30	22.64	22.91	0.00	23.50	19.72	20.01	20.32	0.00	21.00
		1	14	22.24	22.56	22.80	0.00	23.50	19.65	19.90	20.21	0.00	21.00
		8	0	22.17	22.50	22.79	0.00	23.50	19.68	19.91	20.20	0.00	21.00
		8	4	22.17	22.55	22.83	0.00	23.50	19.71	19.93	20.22	0.00	21.00
		8	7	22.16	22.60	22.81	0.00	23.50	19.70	20.03	20.25	0.00	21.00
		15	0	22.14	22.51	22.79	0.00	23.50	19.67	19.89	20.21	0.00	21.00
	16QAM	1	0	22.21	22.65	22.92	0.00	23.50	19.82	19.97	20.32	0.00	21.00
		1	8	22.27	22.79	23.10	0.00	23.50	19.88	20.11	20.49	0.00	21.00
		1	14	22.26	22.82	22.95	0.00	23.50	19.73	20.04	20.29	0.00	21.00
		8	0	21.33	22.05	22.29	0.00	23.50	19.73	19.97	20.20	0.00	21.00
		8	4	21.36	22.12	22.34	0.00	23.50	19.75	19.99	20.22	0.00	21.00
		8	7	21.37	22.16	22.36	0.00	23.50	19.75	20.10	20.20	0.00	21.00
		15	0	21.34	22.04	22.32	0.00	23.50	19.70	19.93	20.21	0.00	21.00
	64QAM	1	0	21.79	22.22	22.41	0.00	23.50	19.81	20.23	20.40	0.00	21.00
		1	8	21.63	22.31	22.52	0.00	23.50	19.89	20.28	20.55	0.00	21.00
		1	14	21.61	22.22	22.56	0.00	23.50	19.81	20.24	20.43	0.00	21.00
		8	0	20.46	21.05	21.32	1.00	22.50	19.79	19.92	20.23	0.00	21.00
		8	4	20.48	21.10	21.36	1.00	22.50	19.83	19.99	20.28	0.00	21.00
		8	7	20.47	21.18	21.36	1.00	22.50	19.85	20.05	20.28	0.00	21.00
		15	0	20.44	21.04	21.34	1.00	22.50	19.75	19.96	20.21	0.00	21.00
	256QAM	1	0	18.70	19.15	19.45	3.00	20.50	18.81	19.14	19.40	1.00	20.00
		1	8	18.76	19.37	19.59	3.00	20.50	18.85	19.23	19.60	1.00	20.00
		1	14	18.78	19.28	19.48	3.00	20.50	18.89	19.16	19.50	1.00	20.00
		8	0	18.67	19.04	19.36	3.00	20.50	18.76	19.05	19.32	1.00	20.00
		8	4	18.69	19.14	19.38	3.00	20.50	18.74	19.12	19.37	1.00	20.00
		8	7	18.71	19.16	19.39	3.00	20.50	18.75	19.17	19.35	1.00	20.00
		15	0	18.69	19.05	19.33	3.00	20.50	18.73	19.07	19.33	1.00	20.00
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (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	22.22	22.56	22.78	0.00	23.50	19.62	19.96	20.22	0.00	21.00
		1	3	22.29	22.56	22.82	0.00	23.50	19.64	19.97	20.24	0.00	21.00
		1	5	22.22	22.51	22.77	0.00	23.50	19.62	19.98	20.23	0.00	21.00
		3	0	22.23	22.54	22.80	0.00	23.50	19.62	19.96	20.23	0.00	21.00
		3	1	22.24	22.56	22.81	0.00	23.50	19.66	19.97	20.22	0.00	21.00
		3	3	22.23	22.57	22.81	0.00	23.50	19.63	19.94	20.23	0.00	21.00
		6	0	22.22	22.54	22.78	0.00	23.50	19.63	19.94	20.21	0.00	21.00
	16QAM	1	0	22.28	22.73	22.93	0.00	23.50	19.79	20.02	20.28	0.00	21.00
		1	3	22.32	22.71	22.90	0.00	23.50	19.82	20.23	20.32	0.00	21.00
		1	5	22.28	22.73	22.89	0.00	23.50	19.80	20.09	20.27	0.00	21.00
		3	0	22.19	22.61	22.90	0.00	23.50	19.63	20.02	20.31	0.00	21.00
		3	1	22.19	22.61	22.89	0.00	23.50	19.64	20.02	20.31	0.00	21.00
		3	3	22.19	22.64	22.88	0.00	23.50	19.63	20.01	20.32	0.00	21.00
		6	0	21.28	22.08	22.42	0.00	23.50	19.65	20.01	20.21	0.00	21.00
	64QAM	1	0	21.25	22.30	22.57	0.00	23.50	19.92	20.16	20.29	0.00	21.00
		1	3	21.38	22.29	22.53	0.00	23.50	19.98	20.24	20.35	0.00	21.00
		1	5	21.20	22.28	22.54	0.00	23.50	19.96	20.14	20.30	0.00	21.00
		3	0	21.19	22.17	22.39	1.00	22.50	19.81	20.17	20.37	0.00	21.00
		3	1	21.23	22.17	22.39	1.00	22.50	19.81	20.15	20.36	0.00	21.00
		3	3	21.20	22.17	22.39	1.00	22.50	19.82	20.17	20.35	0.00	21.00
		6	0	20.36	21.09	21.34	1.00	22.50	19.73	20.09	20.31	0.00	21.00
	256QAM	1	0	18.61	19.22	19.40	3.00	20.50	18.69	19.23	19.40	1.00	20.00
		1	3	18.66	19.25	19.47	3.00	20.50	18.73	19.26	19.46	1.00	20.00
		1	5	18.68	19.20	19.44	3.00	20.50	18.70	19.12	19.41	1.00	20.00
		3	0	18.62	19.15	19.40	3.00	20.50	18.63	19.11	19.39	1.00	20.00
		3	1	18.63	19.15	19.42	3.00	20.50	18.64	19.14	19.42	1.00	20.00
		3	3	18.64	19.15	19.45	3.00	20.50	18.64	19.15	19.37	1.00	20.00
		6	0	18.56	19.17	19.40	3.00	20.50	18.70	19.06	19.31	1.00	20.00

LTE Band 71 Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)		
				DSI = 0, 1, 2, 3		
				Measured Pwr (dBm)	MPR	Tune-up Limit
				133297		
				680.5 MHz		
20 MHz	QPSK	1	0	24.07	0.00	25.50
		1	49	24.08	0.00	25.50
		1	99	23.89	0.00	25.50
		50	0	23.11	1.00	24.50
		50	24	23.06	1.00	24.50
		50	50	22.97	1.00	24.50
		100	0	23.05	1.00	24.50
	16QAM	1	0	23.35	1.00	24.50
		1	49	23.40	1.00	24.50
		1	99	23.19	1.00	24.50
		50	0	22.12	2.00	23.50
		50	24	22.07	2.00	23.50
		50	50	21.98	2.00	23.50
		100	0	22.04	2.00	23.50
	64QAM	1	0	22.24	2.00	23.50
		1	49	22.24	2.00	23.50
		1	99	21.98	2.00	23.50
		50	0	21.07	3.00	22.50
		50	24	21.04	3.00	22.50
		50	50	20.96	3.00	22.50
		100	0	21.03	3.00	22.50
	256QAM	1	0	19.26	5.00	20.50
		1	49	19.24	5.00	20.50
		1	99	19.14	5.00	20.50
		50	0	19.09	5.00	20.50
		50	24	19.07	5.00	20.50
		50	50	19.00	5.00	20.50
		100	0	19.04	5.00	20.50
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)	MPR	Tune-up Limit
				133297.00		
				680.5 MHz		
15 MHz	QPSK	1	0	24.12	0.00	25.50
		1	37	24.14	0.00	25.50
		1	74	23.95	0.00	25.50
		36	0	23.14	1.00	24.50
		36	20	23.11	1.00	24.50
		36	39	23.03	1.00	24.50
		75	0	23.09	1.00	24.50
	16QAM	1	0	23.41	1.00	24.50
		1	37	23.43	1.00	24.50
		1	74	23.27	1.00	24.50
		36	0	22.12	2.00	23.50
		36	20	22.11	2.00	23.50
		36	39	22.03	2.00	23.50
		75	0	22.07	2.00	23.50
	64QAM	1	0	22.31	2.00	23.50
		1	37	22.27	2.00	23.50
		1	74	22.02	2.00	23.50
		36	0	21.08	3.00	22.50
		36	20	21.04	3.00	22.50
		36	39	20.93	3.00	22.50
		75	0	21.04	3.00	22.50
	256QAM	1	0	19.30	5.00	20.50
		1	37	19.26	5.00	20.50
		1	74	19.11	5.00	20.50
		36	0	19.11	5.00	20.50
		36	20	19.03	5.00	20.50
		36	39	18.96	5.00	20.50
		75	0	19.04	5.00	20.50

LTE Band 71 Measured Results_(Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				133172.00	133297.00	133422.00		
				668 MHz	680.5 MHz	693 MHz		
10 MHz	QPSK	1	0	24.40	24.21	24.06	0.00	25.50
		1	25	24.35	24.22	24.02	0.00	25.50
		1	49	24.27	24.04	23.92	0.00	25.50
		25	0	23.36	23.20	23.09	1.00	24.50
		25	12	23.42	23.18	23.08	1.00	24.50
		25	25	23.38	23.10	23.00	1.00	24.50
		50	0	23.41	23.14	23.07	1.00	24.50
	16QAM	1	0	23.76	23.33	23.38	1.00	24.50
		1	25	23.64	23.33	23.32	1.00	24.50
		1	49	23.63	23.19	23.21	1.00	24.50
		25	0	22.38	22.21	22.10	2.00	23.50
		25	12	22.44	22.20	22.09	2.00	23.50
		25	25	22.45	22.13	21.98	2.00	23.50
		50	0	22.40	22.18	22.06	2.00	23.50
	64QAM	1	0	22.51	22.47	22.17	2.00	23.50
		1	25	22.52	22.40	22.14	2.00	23.50
		1	49	22.35	22.19	21.94	2.00	23.50
		25	0	21.35	21.19	21.01	3.00	22.50
		25	12	21.40	21.17	21.00	3.00	22.50
		25	25	21.31	21.04	20.85	3.00	22.50
		50	0	21.38	21.12	20.97	3.00	22.50
	256QAM	1	0	19.38	19.26	19.07	5.00	20.50
		1	25	19.37	19.32	19.03	5.00	20.50
		1	49	19.24	19.07	18.80	5.00	20.50
		25	0	19.31	19.15	18.97	5.00	20.50
		25	12	19.36	19.14	18.97	5.00	20.50
		25	25	19.31	19.06	18.80	5.00	20.50
		50	0	19.33	19.10	18.96	5.00	20.50

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				133147.00	133297.00	133447.00		
				665.5 MHz	680.5 MHz	695.5 MHz		
5 MHz	QPSK	1	0	24.38	24.20	23.88	0.00	25.50
		1	12	24.40	24.28	23.95	0.00	25.50
		1	24	24.33	24.18	23.83	0.00	25.50
		12	0	23.36	23.21	23.00	1.00	24.50
		12	7	23.45	23.24	22.99	1.00	24.50
		12	13	23.38	23.19	22.94	1.00	24.50
		25	0	23.39	23.19	22.98	1.00	24.50
	16QAM	1	0	23.76	23.63	23.33	1.00	24.50
		1	12	23.81	23.75	23.34	1.00	24.50
		1	24	23.74	23.66	23.25	1.00	24.50
		12	0	22.36	22.25	22.02	2.00	23.50
		12	7	22.44	22.28	22.02	2.00	23.50
		12	13	22.38	22.24	21.97	2.00	23.50
		25	0	22.41	22.22	21.98	2.00	23.50
	64QAM	1	0	22.45	22.43	21.99	2.00	23.50
		1	12	22.46	22.52	22.05	2.00	23.50
		1	24	22.40	22.36	21.89	2.00	23.50
		12	0	21.34	21.21	20.91	3.00	22.50
		12	7	21.43	21.24	20.94	3.00	22.50
		12	13	21.39	21.18	20.87	3.00	22.50
		25	0	21.40	21.18	20.88	3.00	22.50
	256QAM	1	0	19.48	19.28	18.93	5.00	20.50
		1	12	19.58	19.39	18.95	5.00	20.50
		1	24	19.46	19.20	18.74	5.00	20.50
		12	0	19.30	19.18	18.86	5.00	20.50
		12	7	19.40	19.18	18.90	5.00	20.50
		12	13	19.35	19.15	18.84	5.00	20.50
		25	0	19.34	19.16	18.83	5.00	20.50

9.4. NR (Sub 6GHz)

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

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

SAR test exclusion can be applied for testing overlapping NR bands as follows:

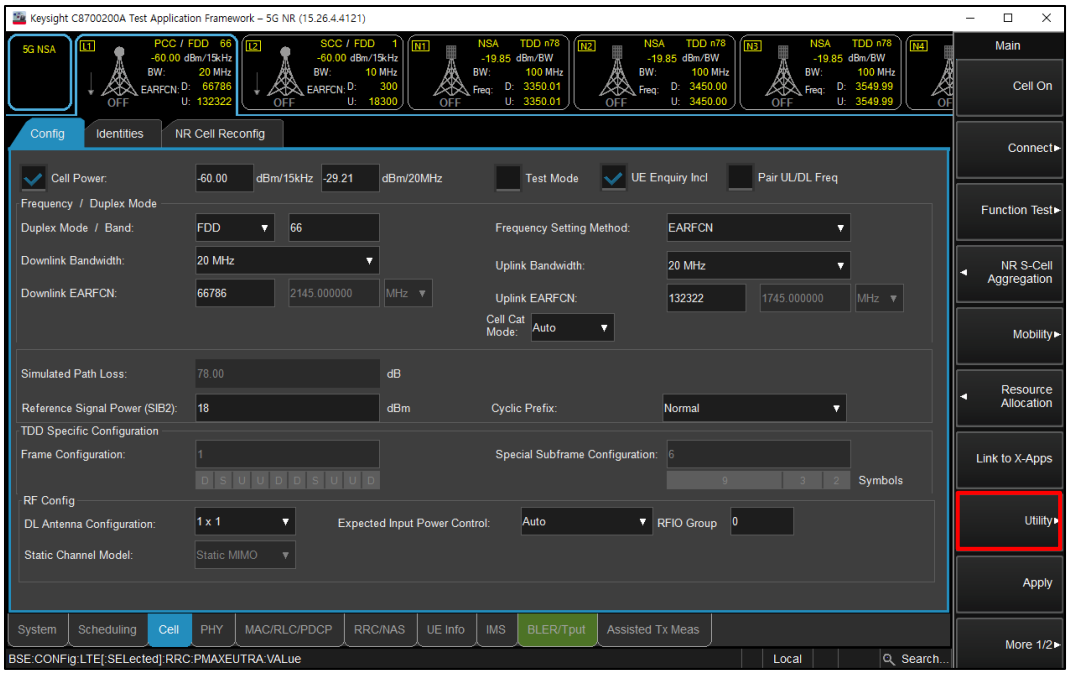
a) The maximum output power, including tolerance, for the smaller band must be ≤ the larger band to qualify for the SAR test exclusion.
b) The channel bandwidth and other operating parameters for the smaller band must be fully supported by the larger band.

- NR Band n2 (1850 – 1910 MHz) is covered by NR Band n25 (1850 – 1915 MHz)
- NR Band n5 (824 – 849 MHz) is covered by NR Band n26 (814 – 849 MHz)
- NR Band n38 (2570 – 2620 MHz) is covered by NR Band n41 (2496 – 2690 MHz)

Procedures used to establish power measurement for NR Bands

Switching to NSA mode or SA mode

- Click the “Utility” button in the right of Test application screen
- Select “5G NR NSA” in the “TA Mode Switch” for NSA mode
- Select “5G NR Standalone” in the “TA Mode Switch” for SA mode

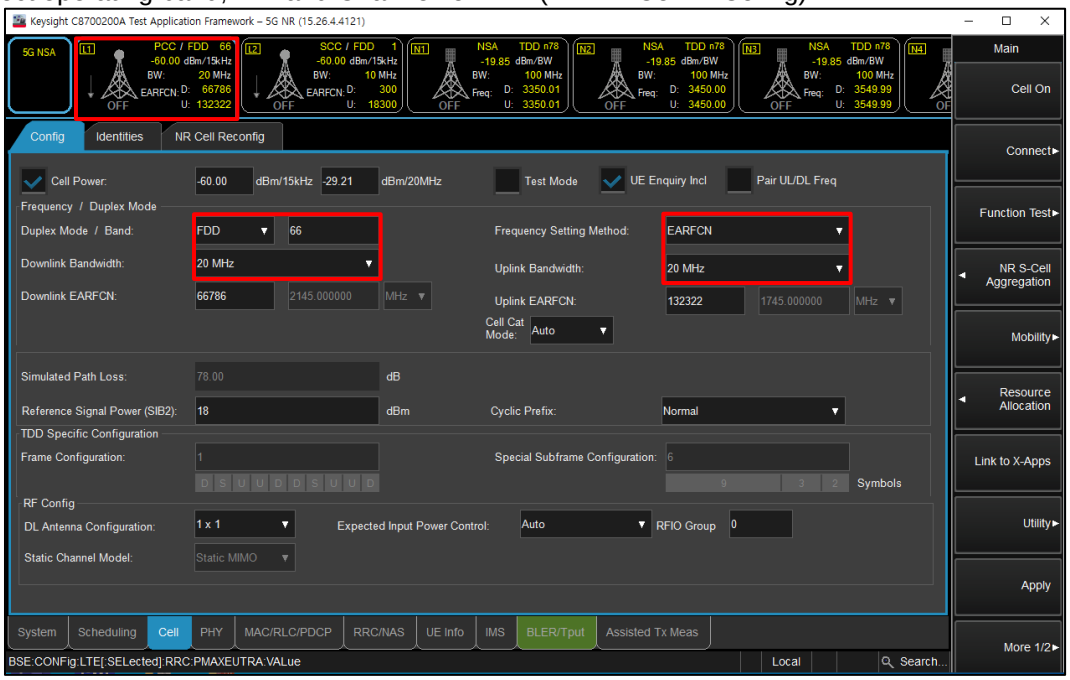


(Figure 1-1)

(Figure 1-2)

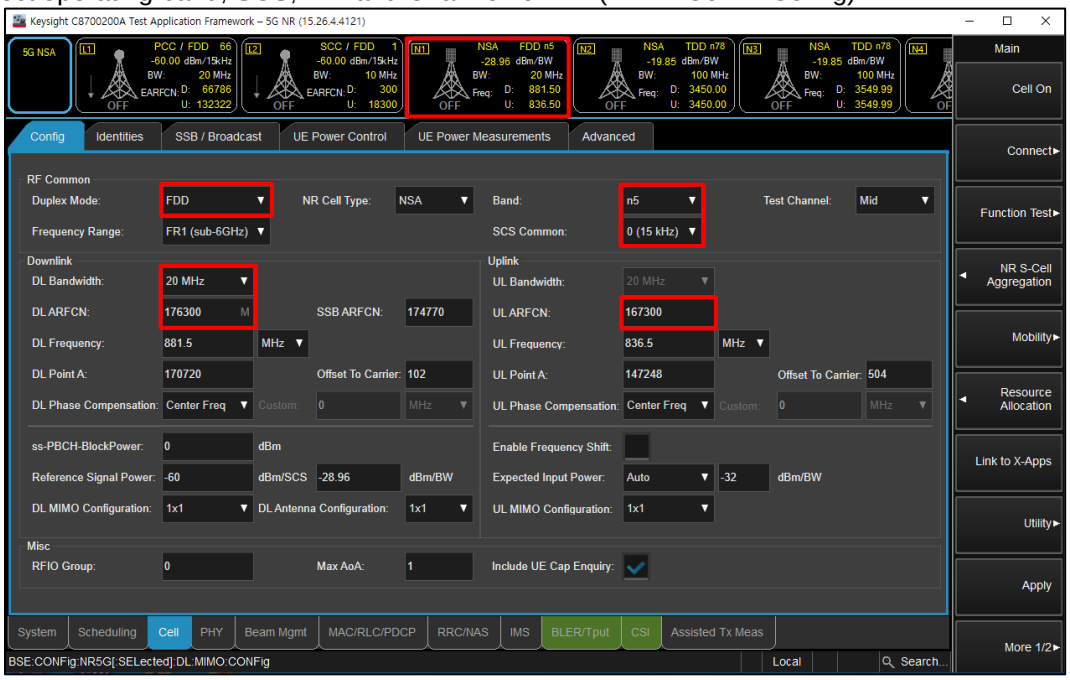
NSA Mode

- Select operating band, BW and Channel for LTE (LTE -> Cell -> Config)



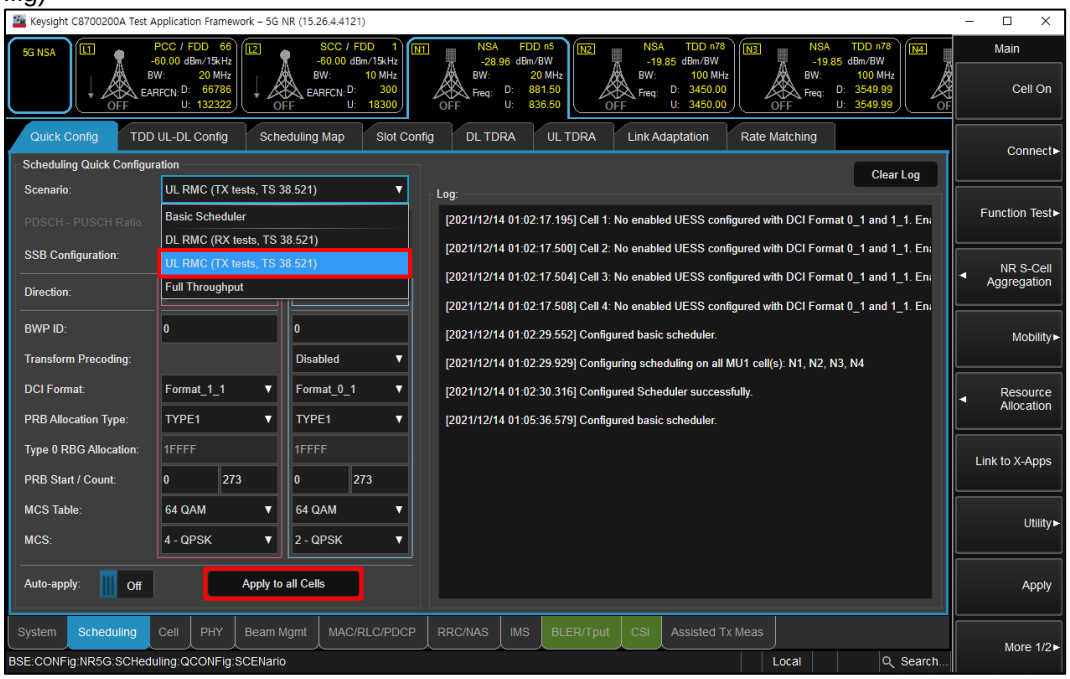
(Figure 2-1)

- Select operating band, SCS, BW and Channel for NR (NR -> Cell -> Config)



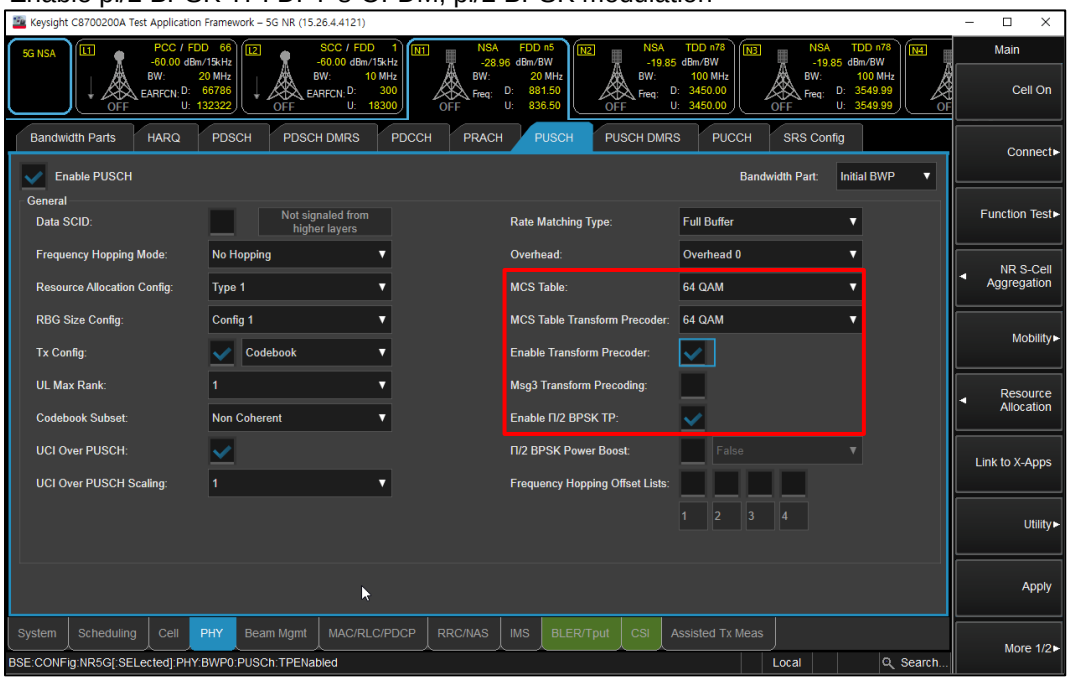
(Figure 2-2)

- Select “UL RMC (TX tests, TS 38.521)” for maximum power RB scheduling (NR -> Scheduling -> Quick Config)



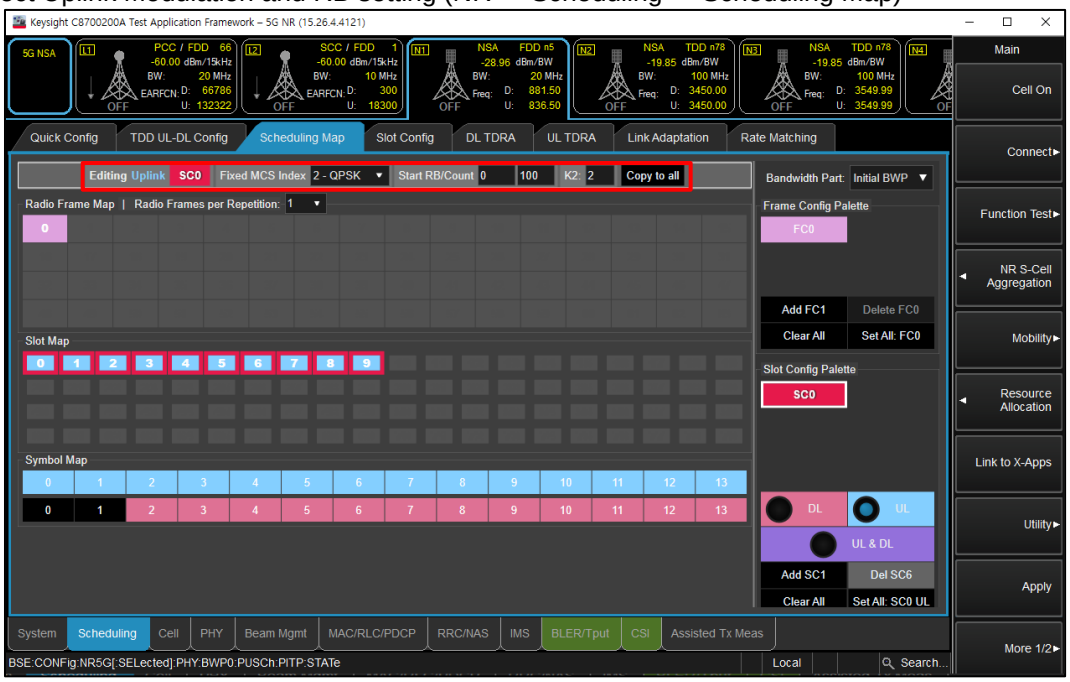
(Figure 2-3)

- To set waveform for NR Band (NR -> PHY -> PUSCH)
  - Select highest modulation in the MCS Table and MCS Table Transform Precoder
  - Enable Transform Precoder: DFT-s-OFDM / disable for CP-OFDM
  - Enable pi/2 BPSK TP: DFT-s-OFDM, pi/2 BPSK modulation



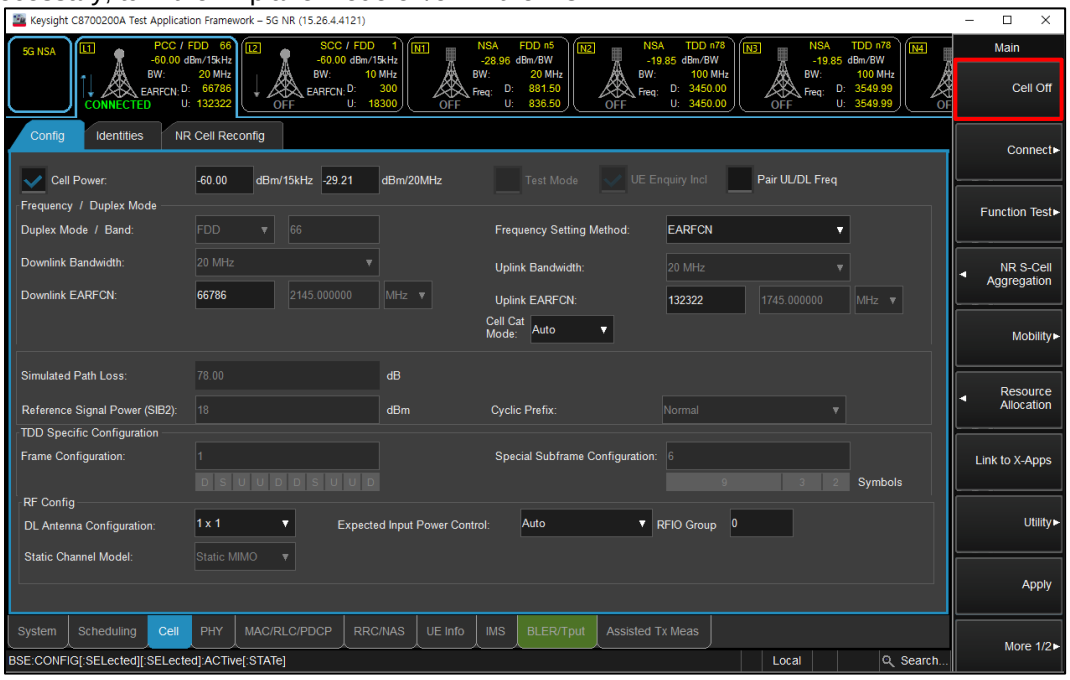
(Figure 2-4)

- Select Uplink Modulation and RB setting (NR -> Scheduling -> Scheduling Map)



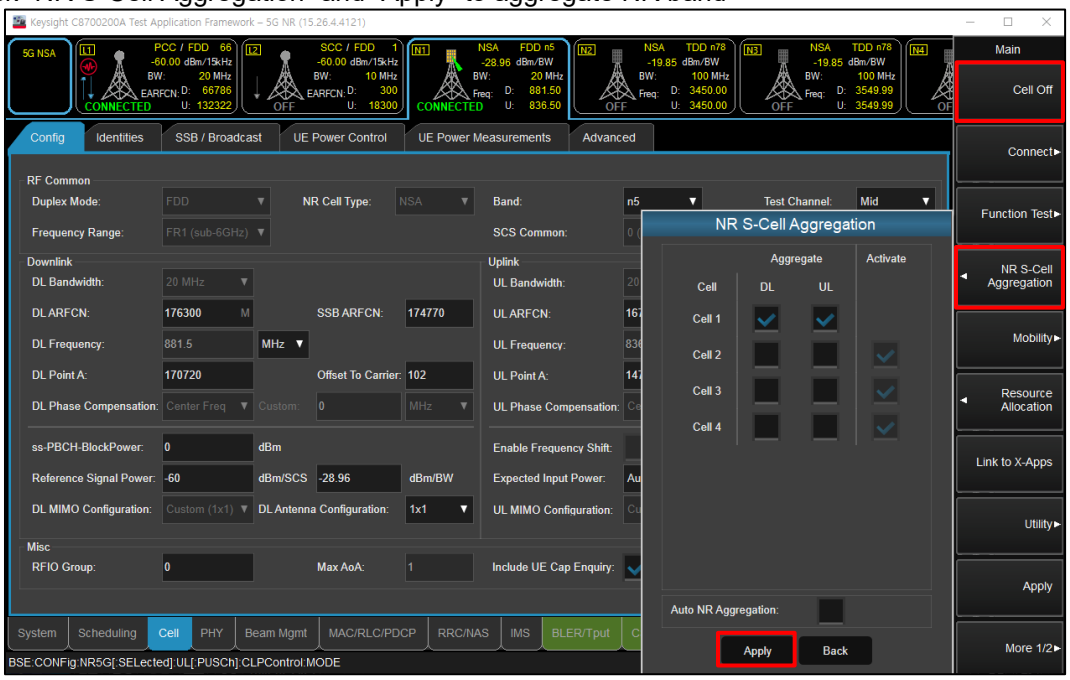
(Figure 2-5)

- Click “Cell On” button in the right of Test application screen in the LTE tab
- If necessary, turn the Airplane Mode on/off in the DUT



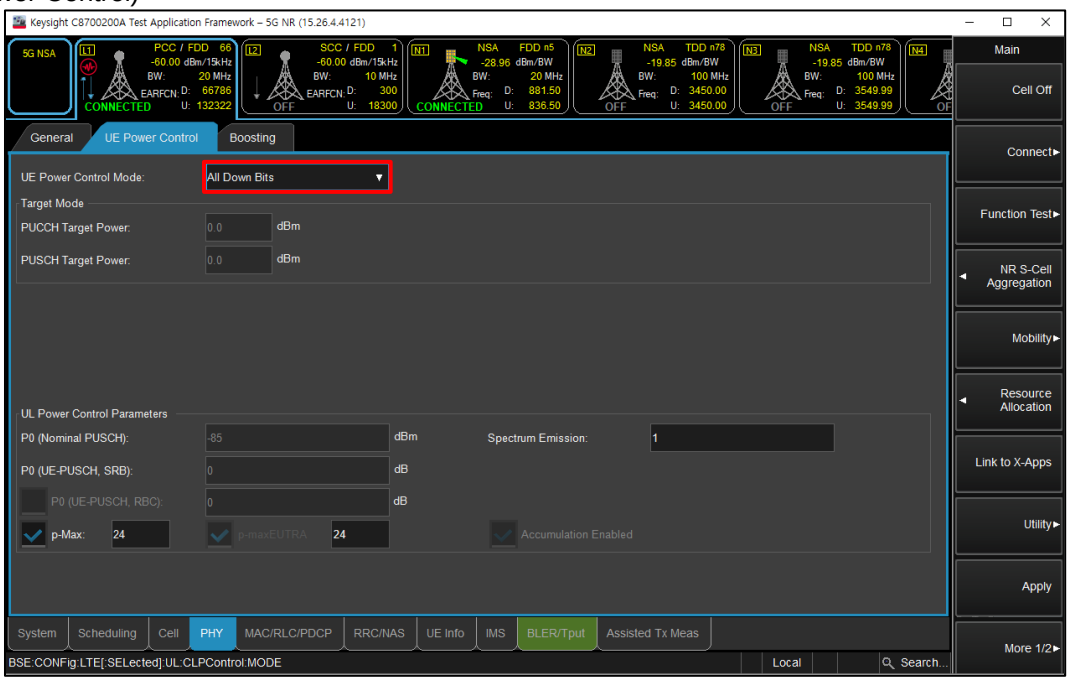
(Figure 2-6)

- Click “Cell On” button in the right of Test application screen in the NR tab
- Click “NR S-Cell Aggregation” and “Apply” to aggregate NR band



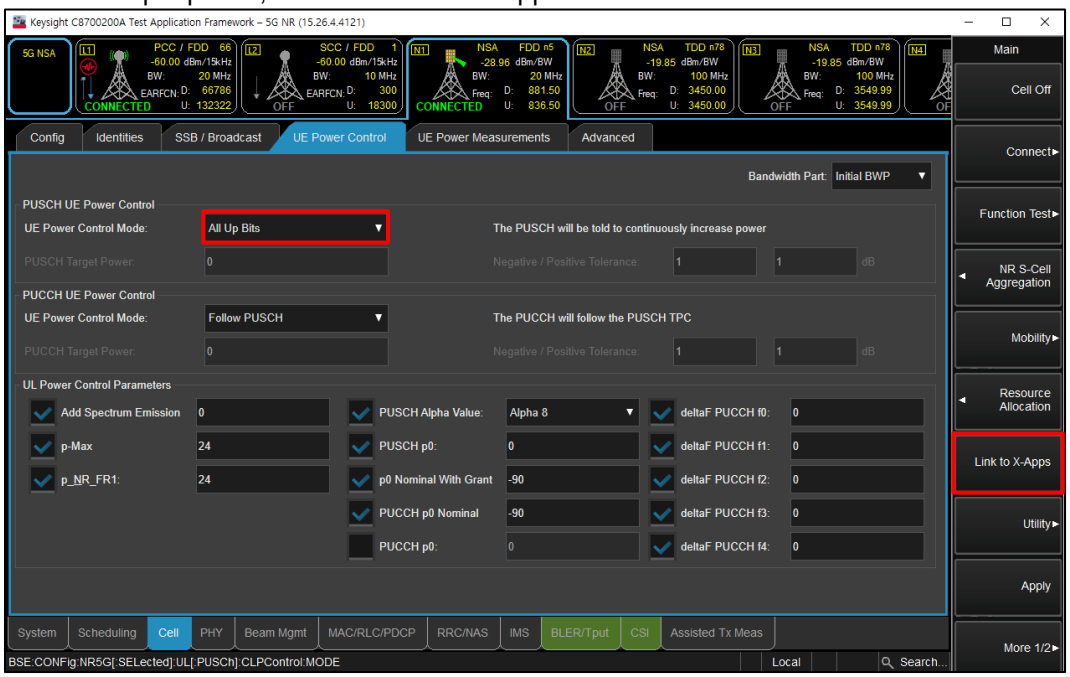
(Figure 2-7)

- Select “All Down Bits” of UL Power control Mode in LTE tab for NR maximum power (LTE -> PHY -> UE Power Control)



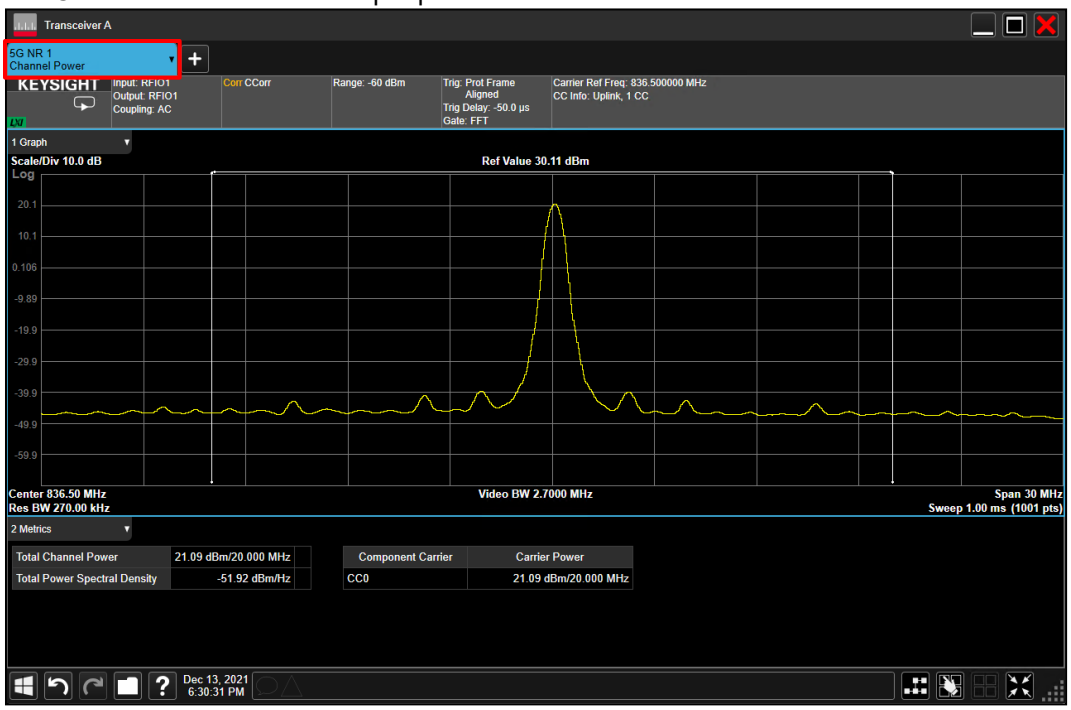
(Figure 2-8)

- Select “All Up Bits” of UL Power control Mode in NR tab for NR maximum power (NR -> Cell -> UE Power Control)
- To read the output power, click the “Link to X-Apps”



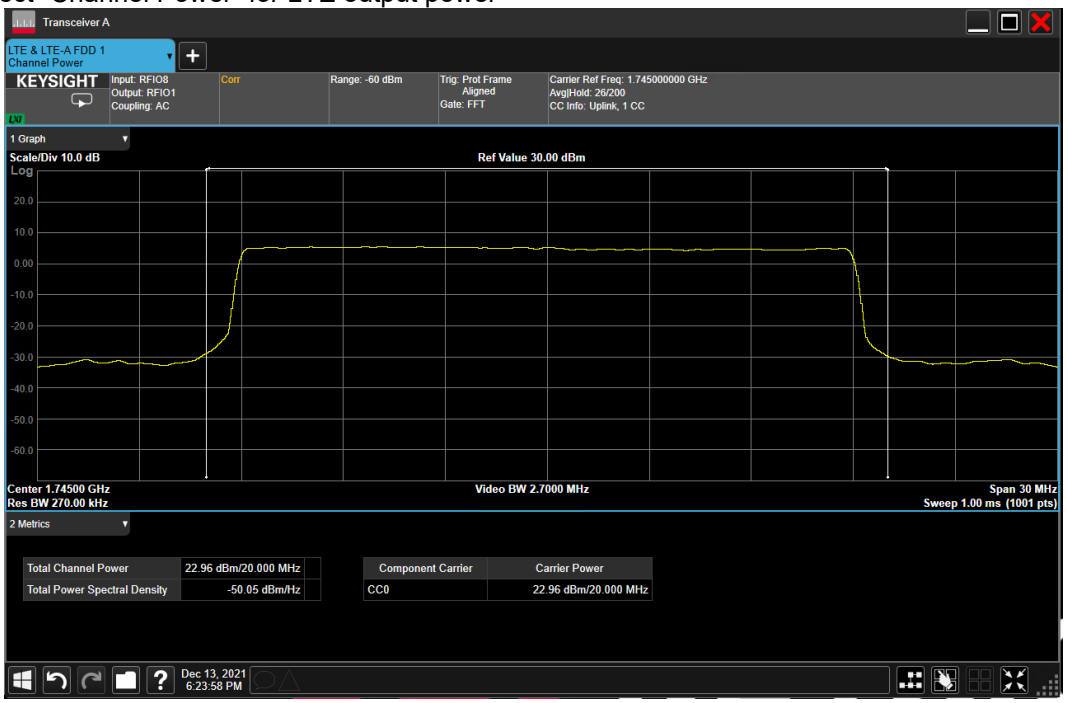
(Figure 2-9)

- Select “Channel Power” for NR output power



(Figure 2-10)

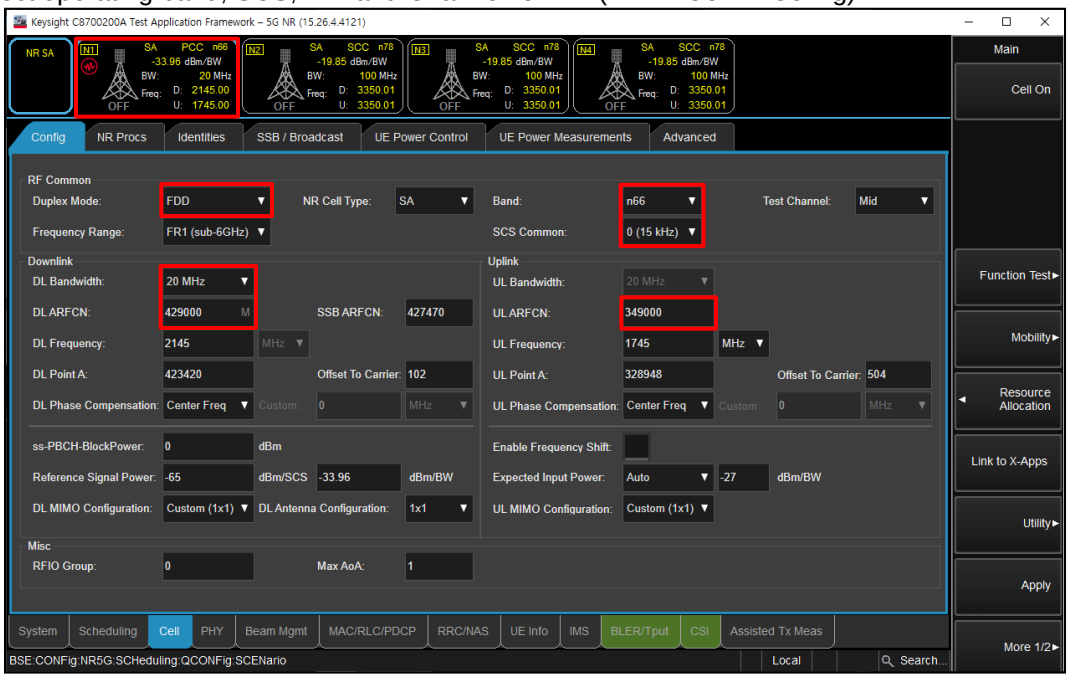
- Select “Channel Power” for LTE output power



(Figure 2-11)

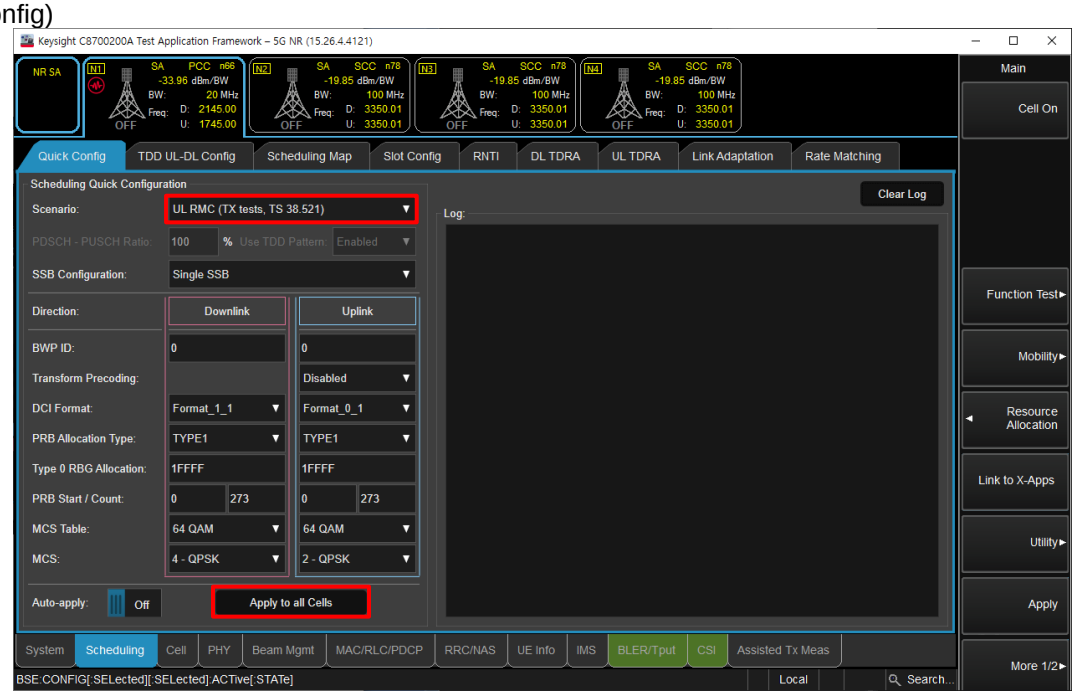
SA Mode

- Select operating band, SCS, BW and Channel for NR (NR -> Cell -> Config)



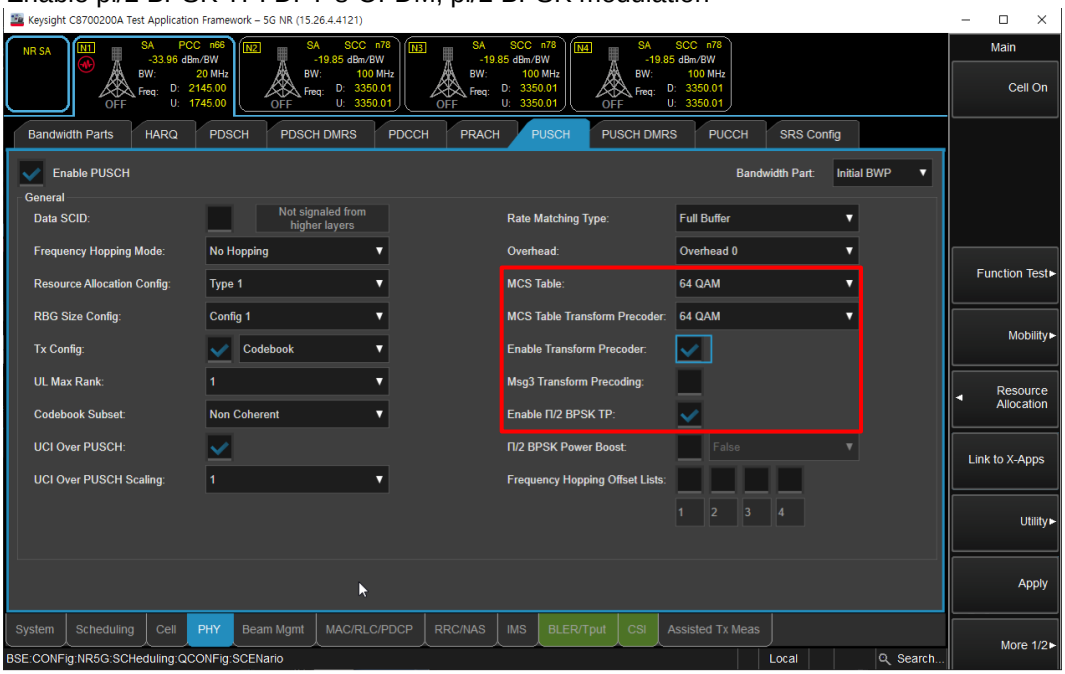
(Figure 3-1)

- Select “UL RMC (TX tests, TS 38.521)” for maximum power RB scheduling (NR -> Scheduling -> Quick Config)



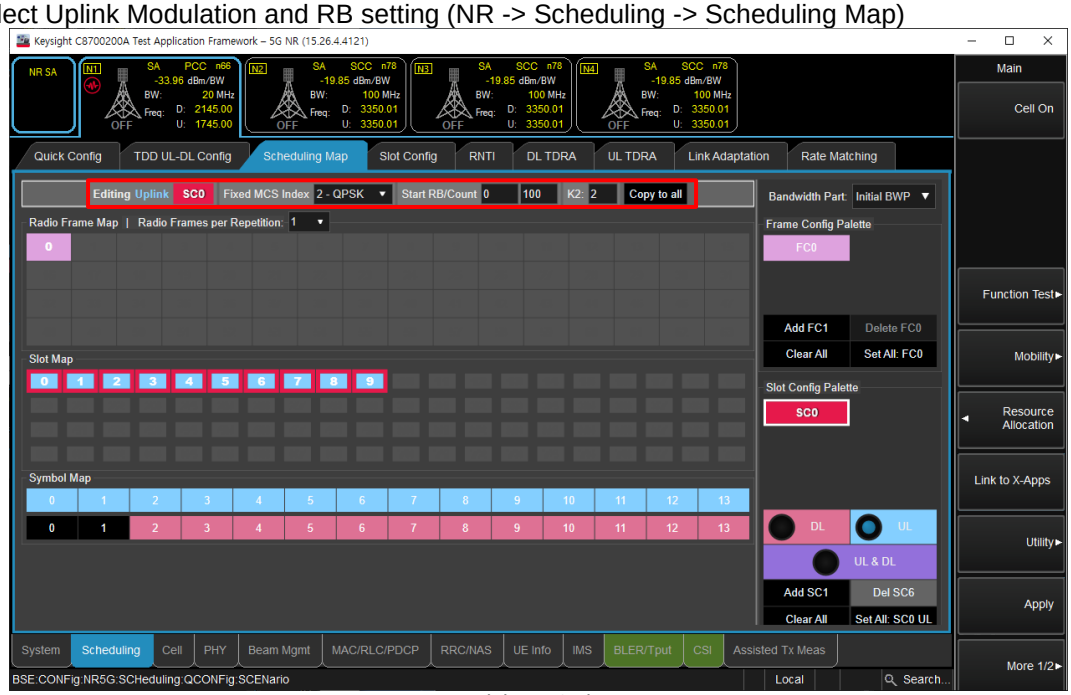
(Figure 3-2)

- To set waveform for NR Band (NR -> PHY -> PUSCH)
  - Select highest modulation in the MCS Table and MCS Table Transform Precoder
  - Enable Transform Precoder: DFT-s-OFDM / disable for CP-OFDM
  - Enable pi/2 BPSK TP: DFT-s-OFDM, pi/2 BPSK modulation



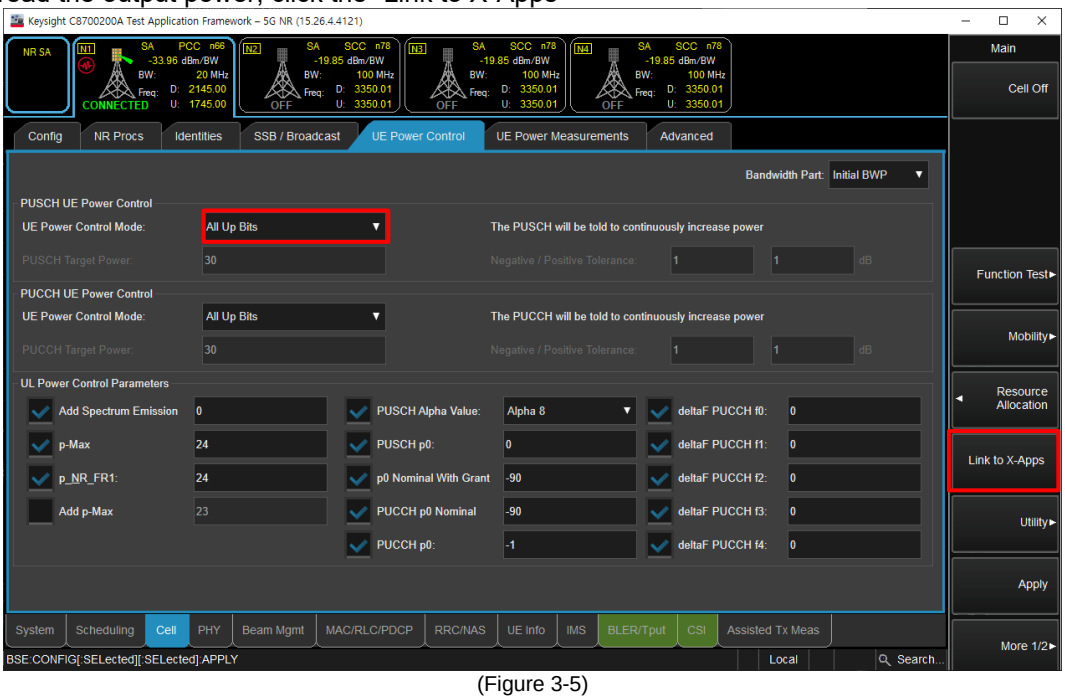
(Figure 3-3)

- Select Uplink Modulation and RB setting (NR -> Scheduling -> Scheduling Map)



(Figure 3-4)

- Click “Cell On” button in the right of Test application screen
- If necessary, turn the Airplane Mode on/off in the DUT
- Select “All Up Bits” of UL Power control Mode (Cell -> UE Power Control)
- To read the output power, click the “Link to X-Apps”



(Figure 3-5)

- Select “Channel Power”

(Figure 3-6)

NR Band n7 (Ant B) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)									
					DSI = 2, 3					DSI = 1, 2				
					Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					504000	507000	510000			504000	507000	510000		
					2520 MHz	2535 MHz	2550 MHz			2520 MHz	2535 MHz	2550 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	[redacted]	22.70	[redacted]	0.00	24.00	[redacted]	18.13	[redacted]	0.00	19.00
			1	108		23.11		0.00	24.00		17.78		0.00	19.00
			1	214		23.24		0.00	24.00		18.04		0.00	19.00
			108	0		22.32		0.50	23.50		18.05		0.00	19.00
			108	54		23.18		0.00	24.00		17.94		0.00	19.00
			108	108		22.31		0.50	23.50		18.00		0.00	19.00
			216	0		22.32		0.50	23.50		18.07		0.00	19.00
		QPSK	1	1		22.80		0.00	24.00		18.07		0.00	19.00
			1	108		23.26		0.00	24.00		17.97		0.00	19.00
			1	214		23.33		0.00	24.00		18.15		0.00	19.00
			108	0		22.39		1.00	23.00		18.08		0.00	19.00
			108	54		23.20		0.00	24.00		18.11		0.00	19.00
			108	108		22.33		1.00	23.00		18.07		0.00	19.00
			216	0		22.33		1.00	23.00		18.11		0.00	19.00
		16QAM	1	1		22.10		1.00	23.00		18.28		0.00	19.00
			1	108		22.24		1.00	23.00		17.91		0.00	19.00
			1	214		22.41		1.00	23.00		18.14		0.00	19.00
		64QAM	1	1		21.14		2.50	21.50		18.30		0.00	19.00
		256QAM	1	1		18.53		4.50	19.50		17.72		0.00	19.00
	CP-OFDM	QPSK	1	1		21.93		1.50	22.50		18.31		0.00	19.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					503000.00	507000.00	511000.00			503000.00	507000.00	511000.00		
					2515 MHz	2535 MHz	2555 MHz			2515 MHz	2535 MHz	2555 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	[redacted]	23.10	[redacted]	0.00	24.00	[redacted]	17.96	[redacted]	0.00	19.00
			1	80		22.96		0.00	24.00		17.70		0.00	19.00
			1	158		23.10		0.00	24.00		17.86		0.00	19.00
			80	0		22.06		0.50	23.50		17.80		0.00	19.00
			80	40		23.00		0.00	24.00		17.82		0.00	19.00
			80	80		21.96		0.50	23.50		17.77		0.00	19.00
			160	0		22.11		0.50	23.50		17.82		0.00	19.00
		QPSK	1	1		23.28		0.00	24.00		18.00		0.00	19.00
			1	80		23.11		0.00	24.00		17.82		0.00	19.00
			1	158		23.13		0.00	24.00		17.93		0.00	19.00
			80	0		22.16		1.00	23.00		17.88		0.00	19.00
			80	40		23.02		0.00	24.00		17.86		0.00	19.00
			80	80		22.02		1.00	23.00		17.83		0.00	19.00
			160	0		22.06		1.00	23.00		17.87		0.00	19.00
		16QAM	1	1		22.19		1.00	23.00		18.03		0.00	19.00
		64QAM	1	1		20.87		2.50	21.50		18.13		0.00	19.00
		256QAM	1	1		18.23		4.50	19.50		17.47		0.00	19.00
	CP-OFDM	QPSK	1	1		21.79		1.50	22.50		18.10		0.00	19.00

NR Band n7 (Ant B) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					502500.00	507000.00	511500.00			502500.00	507000.00	511500.00		
					2512.5 MHz	2535 MHz	2557.5 MHz			2512.5 MHz	2535 MHz	2557.5 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.05		0.00	24.00		17.70		0.00	19.00
			1	67		22.94		0.00	24.00		17.49		0.00	19.00
			1	131		23.06		0.00	24.00		17.66		0.00	19.00
			64	0		22.10		0.50	23.50		17.68		0.00	19.00
			64	35		23.04		0.00	24.00		17.68		0.00	19.00
			64	69		22.03		0.50	23.50		17.70		0.00	19.00
			128	0		22.10		0.50	23.50		17.72		0.00	19.00
		QPSK	1	1		23.14		0.00	24.00		17.82		0.00	19.00
			1	67		23.05		0.00	24.00		17.63		0.00	19.00
			1	131		23.14		0.00	24.00		17.72		0.00	19.00
			64	0		22.09		1.00	23.00		17.73		0.00	19.00
			64	35		23.03		0.00	24.00		17.66		0.00	19.00
			64	69		22.07		1.00	23.00		17.68		0.00	19.00
			128	0		22.09		1.00	23.00		17.73		0.00	19.00
		16QAM	1	1		22.18		1.00	23.00		17.81		0.00	19.00
		64QAM	1	1		20.75		2.50	21.50		17.87		0.00	19.00
		256QAM	1	1		18.61		4.50	19.50		17.65		0.00	19.00
	CP-OFDM	QPSK	1	1		21.62		1.50	22.50		18.00		0.00	19.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					502000.00	507000.00	512000.00			502000.00	507000.00	512000.00		
					2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.23	22.91	23.02	0.00	24.00	18.07	17.92	18.00	0.00	19.00
			1	53	23.13	22.94	22.49	0.00	24.00	18.06	17.84	18.25	0.00	19.00
			1	104	22.45	22.95	21.99	0.00	24.00	17.98	17.91	18.28	0.00	19.00
			50	0	22.42	22.12	22.31	0.50	23.50	18.21	18.06	18.22	0.00	19.00
			50	28	22.90	23.12	23.36	0.00	24.00	18.23	18.03	18.26	0.00	19.00
			50	56	22.41	22.07	22.42	0.50	23.50	18.19	17.98	18.29	0.00	19.00
			100	0	22.42	22.09	22.40	0.50	23.50	18.22	18.07	18.24	0.00	19.00
		QPSK	1	1	23.15	22.89	23.20	0.00	24.00	18.20	17.99	18.07	0.00	19.00
			1	53	23.09	23.05	23.22	0.00	24.00	18.18	18.03	18.29	0.00	19.00
			1	104	22.47	23.14	22.77	0.00	24.00	18.08	18.03	18.33	0.00	19.00
			50	0	22.41	22.13	22.39	1.00	23.00	18.27	18.04	18.24	0.00	19.00
			50	28	22.89	23.13	23.36	0.00	24.00	18.23	18.06	18.24	0.00	19.00
			50	56	22.41	22.09	22.45	1.00	23.00	18.23	18.02	18.31	0.00	19.00
			100	0	22.50	22.19	22.42	1.00	23.00	18.28	18.05	18.28	0.00	19.00
		16QAM	1	1	22.18	21.82	22.18	1.00	23.00	18.22	18.05	18.02	0.00	19.00
		64QAM	1	1	21.06	20.77	20.96	2.50	21.50	18.38	18.21	18.31	0.00	19.00
		256QAM	1	1	18.43	18.16	18.28	4.50	19.50	17.68	17.52	17.62	0.00	19.00
	CP-OFDM	QPSK	1	1	21.52	21.52	21.76	1.50	22.50	18.23	18.03	18.18	0.00	19.00

NR Band n7 (Ant B) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					501500.00	507000.00	512500.00			501500.00	507000.00	512500.00		
					2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.09	22.80	23.19	0.00	24.00	18.14	17.95	18.08	0.00	19.00
			1	40	22.98	23.20	22.87	0.00	24.00	18.12	17.89	18.17	0.00	19.00
			1	77	22.45	23.28	22.48	0.00	24.00	18.12	17.94	18.31	0.00	19.00
			36	0	22.27	21.99	22.34	0.50	23.50	18.22	18.03	18.26	0.00	19.00
			36	22	23.12	23.03	23.45	0.00	24.00	18.24	18.05	18.33	0.00	19.00
			36	43	22.31	22.00	22.39	0.50	23.50	18.21	18.03	18.35	0.00	19.00
			75	0	22.33	22.05	22.49	0.50	23.50	18.29	18.04	18.41	0.00	19.00
		QPSK	1	1	23.06	23.02	23.28	0.00	24.00	18.18	18.04	18.21	0.00	19.00
			1	40	23.04	22.97	23.34	0.00	24.00	18.24	17.98	18.34	0.00	19.00
			1	77	22.56	23.12	22.99	0.00	24.00	18.25	18.10	18.38	0.00	19.00
			36	0	22.34	22.09	22.38	1.00	23.00	18.29	18.04	18.27	0.00	19.00
			36	22	23.12	23.05	23.41	0.00	24.00	18.31	18.04	18.36	0.00	19.00
			36	43	22.34	22.09	22.48	1.00	23.00	18.29	18.05	18.38	0.00	19.00
			75	0	22.35	22.13	22.51	1.00	23.00	18.32	18.04	18.40	0.00	19.00
		16QAM	1	1	22.11	22.13	22.28	1.00	23.00	18.25	18.06	18.10	0.00	19.00
		64QAM	1	1	20.97	20.75	20.99	2.50	21.50	18.44	18.19	18.40	0.00	19.00
		256QAM	1	1	17.62	18.06	18.29	4.50	19.50	17.72	17.51	17.72	0.00	19.00
	CP-OFDM	QPSK	1	1	21.66	21.58	21.81	1.50	22.50	18.22	18.07	18.26	0.00	19.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					501000.00	507000.00	513000.00			501000.00	507000.00	513000.00		
					2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.79	22.93	22.85	0.00	24.00	18.13	17.81	17.61	0.00	19.00
			1	26	23.09	22.95	22.83	0.00	24.00	18.04	17.80	17.64	0.00	19.00
			1	50	22.78	22.95	22.29	0.00	24.00	18.05	17.78	17.76	0.00	19.00
			25	0	22.19	22.03	22.33	0.50	23.50	18.15	17.86	17.70	0.00	19.00
			25	14	22.22	23.03	23.18	0.00	24.00	18.16	17.90	17.70	0.00	19.00
			25	27	22.19	22.07	22.40	0.50	23.50	18.12	17.84	17.79	0.00	19.00
			50	0	22.20	22.03	22.32	0.50	23.50	18.12	17.87	17.75	0.00	19.00
		QPSK	1	1	22.85	23.00	23.04	0.00	24.00	18.23	17.87	17.70	0.00	19.00
			1	26	23.17	23.05	23.12	0.00	24.00	18.20	17.90	17.76	0.00	19.00
			1	50	22.89	23.06	22.66	0.00	24.00	18.24	17.33	17.93	0.00	19.00
			25	0	22.26	22.09	22.33	1.00	23.00	18.20	17.30	17.76	0.00	19.00
			25	14	23.23	23.04	23.06	0.00	24.00	18.18	17.30	17.71	0.00	19.00
			25	27	22.25	22.07	22.39	1.00	23.00	18.10	17.32	17.80	0.00	19.00
			50	0	22.23	22.06	22.32	1.00	23.00	18.16	17.32	17.68	0.00	19.00
		16QAM	1	1	21.74	22.07	22.08	1.00	23.00	18.28	17.42	17.75	0.00	19.00
		64QAM	1	1	21.03	20.74	20.97	2.50	21.50	18.44	17.51	17.90	0.00	19.00
		256QAM	1	1	18.34	18.02	18.28	4.50	19.50	17.70	16.80	17.21	0.00	19.00
	CP-OFDM	QPSK	1	1	21.33	21.57	21.40	1.50	22.50	18.25	17.32	17.82	0.00	19.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					500500.00	507000.00	513500.00			500500.00	507000.00	513500.00		
					2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.77	22.91	23.00	0.00	24.00	17.50	17.14	18.33	0.00	19.00
			1	13	22.87	22.93	22.68	0.00	24.00	17.51	17.23	18.47	0.00	19.00
			1	23	23.07	22.95	22.44	0.00	24.00	17.51	17.25	18.39	0.00	19.00
			12	0	22.33	22.00	22.36	0.50	23.50	17.58	17.88	18.29	0.00	19.00
			12	7	23.26	23.04	23.20	0.00	24.00	17.60	17.23	18.40	0.00	19.00
			12	13	22.32	22.10	22.42	0.50	23.50	17.64	17.37	18.26	0.00	19.00
			25	0	22.35	22.04	22.36	0.50	23.50	17.56	17.28	18.21	0.00	19.00
		QPSK	1	1	22.74	22.97	23.02	0.00	24.00	17.65	17.26	18.21	0.00	19.00
			1	13	22.91	23.05	22.79	0.00	24.00	17.59	17.31	18.24	0.00	19.00
			1	23	23.17	23.05	22.60	0.00	24.00	17.62	17.32	18.22	0.00	19.00
			12	0	22.50	22.02	22.35	1.00	23.00	17.70	17.25	18.20	0.00	19.00
			12	7	22.28	23.06	23.18	0.00	24.00	17.60	17.32	18.25	0.00	19.00
			12	13	22.39	22.13	22.39	1.00	23.00	17.67	17.38	18.27	0.00	19.00
			25	0	22.29	22.05	22.23	1.00	23.00	17.58	17.32	18.26	0.00	19.00
		16QAM	1	1	21.91	22.07	22.12	1.00	23.00	17.75	17.31	18.31	0.00	19.00
		64QAM	1	1	20.70	20.78	20.97	2.50	21.50	17.87	17.52	18.42	0.00	19.00
		256QAM	1	1	18.16	17.99	17.67	4.50	19.50	17.17	16.72	17.70	0.00	19.00
	CP-OFDM	QPSK	1	1	21.50	21.58	21.59	1.50	22.50	17.71	17.31	18.24	0.00	19.00

NR Band n7 (Ant F) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)														
					DSI = 3					DSI = 0, 1					DSI = 2				
					Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					504000	507000	510000			504000	507000	510000			504000	507000	510000		
					2520 MHz	2535 MHz	2550 MHz			2520 MHz	2535 MHz	2550 MHz			2520 MHz	2535 MHz	2550 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.30		0.00	24.00		19.41		0.00	20.00		18.3		0.0	19.0
			1	108		23.33		0.00	24.00		19.36		0.00	20.00		18.4		0.0	19.0
			1	214		23.49		0.00	24.00		19.52		0.00	20.00		18.5		0.0	19.0
			108	0		22.34		0.00	24.00		19.40		0.00	20.00		18.4		0.0	19.0
			108	54		23.39		0.00	24.00		19.42		0.00	20.00		18.4		0.0	19.0
			108	108		22.41		0.00	24.00		19.44		0.00	20.00		18.4		0.0	19.0
			216	0		22.42		0.00	24.00		19.39		0.00	20.00		18.4		0.0	19.0
		QPSK	1	1		23.47		0.00	24.00		19.49		0.00	20.00		18.4		0.0	19.0
			1	108		23.39		0.00	24.00		19.51		0.00	20.00		18.4		0.0	19.0
			1	214		23.58		0.00	24.00		19.62		0.00	20.00		18.6		0.0	19.0
			108	0		23.36		0.00	24.00		19.35		0.00	20.00		18.3		0.0	19.0
			108	54		23.39		0.00	24.00		19.48		0.00	20.00		18.5		0.0	19.0
			108	108		22.46		0.00	24.00		19.47		0.00	20.00		18.4		0.0	19.0
			216	0		22.43		0.00	24.00		19.46		0.00	20.00		18.4		0.0	19.0
		16QAM	1	1		22.40		0.00	24.00		19.49		0.00	20.00		18.4		0.0	19.0
			1	108		22.50		0.00	24.00		19.50		0.00	20.00		18.4		0.0	19.0
			1	214		22.58		0.00	24.00		19.66		0.00	20.00		18.5		0.0	19.0
		64QAM	1	1		21.13		2.00	22.00		19.62		0.00	20.00		18.5		0.0	19.0
		256QAM	1	1		17.52		4.50	19.50		19.05		0.00	20.00		18.0		0.0	19.0
	CP-OFDM	QPSK	1	1		22.00		1.50	22.50		19.44		0.00	20.00		18.4		0.0	19.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					503000.00	507000.00	511000.00			503000.00	507000.00	511000.00			503000	507000	511000		
					2515 MHz	2535 MHz	2555 MHz			2515 MHz	2535 MHz	2555 MHz			2515 MHz	2535 MHz	2555 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.42		0.00	24.00		19.48		0.00	20.00		18.5		0.0	19.0
			1	80		23.40		0.00	24.00		19.43		0.00	20.00		18.5		0.0	19.0
			1	158		23.49		0.00	24.00		19.49		0.00	20.00		18.4		0.0	19.0
			80	0		22.44		0.00	24.00		19.41		0.00	20.00		18.5		0.0	19.0
			80	40		23.38		0.00	24.00		19.31		0.00	20.00		18.5		0.0	19.0
			80	80		22.47		0.00	24.00		19.38		0.00	20.00		18.4		0.0	19.0
			160	0		22.45		0.00	24.00		19.37		0.00	20.00		18.3		0.0	19.0
		QPSK	1	1		23.54		0.00	24.00		19.51		0.00	20.00		18.5		0.0	19.0
			1	80		23.47		0.00	24.00		19.46		0.00	20.00		18.4		0.0	19.0
			1	158		23.56		0.00	24.00		19.57		0.00	20.00		18.5		0.0	19.0
			80	0		22.48		0.00	24.00		19.39		0.00	20.00		18.4		0.0	19.0
			80	40		23.43		0.00	24.00		19.33		0.00	20.00		18.3		0.0	19.0
			80	80		22.47		0.00	24.00		19.42		0.00	20.00		18.4		0.0	19.0
			160	0		22.45		0.00	24.00		19.43		0.00	20.00		18.4		0.0	19.0
		16QAM	1	1		22.53		0.00	24.00		19.60		0.00	20.00		18.3		0.0	19.0
		64QAM	1	1		21.27		2.00	22.00		19.65		0.00	20.00		18.6		0.0	19.0
		256QAM	1	1		18.58		4.50	19.50		18.60		0.00	20.00		17.9		0.0	19.0
	CP-OFDM	QPSK	1	1		22.10		1.50	22.50		19.53		0.00	20.00		18.5		0.0	19.0

NR Band n7 (Ant F) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					502500.00	507000.00	511500.00			502500.00	507000.00	511500.00			502500.00	507000.00	511500.00		
					2512.5 MHz	2535 MHz	2557.5 MHz			2512.5 MHz	2535 MHz	2557.5 MHz			2512.5 MHz	2535 MHz	2557.5 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.26		0.00	24.00		19.21		0.00	20.00		18.15		0.00	19.0
			1	67		23.26		0.00	24.00		19.20		0.00	20.00		18.14		0.00	19.0
			1	131		23.29		0.00	24.00		19.31		0.00	20.00		18.27		0.00	19.0
			64	0		22.34		0.00	24.00		19.32		0.00	20.00		18.27		0.00	19.0
			64	35		23.33		0.00	24.00		19.29		0.00	20.00		18.24		0.00	19.0
			64	69		22.38		0.00	24.00		19.35		0.00	20.00		18.24		0.00	19.0
			128	0		22.33		0.00	24.00		19.30		0.00	20.00		18.27		0.00	19.0
		QPSK	1	1		23.39		0.00	24.00		19.30		0.00	20.00		18.24		0.00	19.0
			1	67		23.28		0.00	24.00		19.24		0.00	20.00		18.22		0.00	19.0
			1	131		23.44		0.00	24.00		19.40		0.00	20.00		18.33		0.00	19.0
			64	0		22.38		0.00	24.00		19.27		0.00	20.00		18.28		0.00	19.0
			64	35		23.34		0.00	24.00		19.25		0.00	20.00		18.22		0.00	19.0
			64	69		22.42		0.00	24.00		19.33		0.00	20.00		18.29		0.00	19.0
			128	0		22.38		0.00	24.00		19.30		0.00	20.00		18.27		0.00	19.0
		16QAM	1	1		22.35		0.00	24.00		19.35		0.00	20.00		18.15		0.00	19.0
		64QAM	1	1		21.04		2.00	22.00		19.45		0.00	20.00		18.40		0.00	19.0
		256QAM	1	1		18.80		4.50	19.50		18.78		0.00	20.00		18.12		0.00	19.0
	CP-OFDM	QPSK	1	1		21.89		1.50	22.50		19.34		0.00	20.00		18.28		0.00	19.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					502000.00	507000.00	512000.00			502000.00	507000.00	512000.00			502000.00	507000.00	512000.00		
					2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz			2510 MHz	2535 MHz	2560 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.74	23.03	23.19	0.00	24.00	19.08	18.97	19.14	0.00	20.00	18.06	17.95	18.14	0.00	19.0
			1	53	23.14	23.08	23.34	0.00	24.00	19.16	19.00	19.32	0.00	20.00	17.98	17.98	18.34	0.00	19.0
			1	104	23.15	23.13	22.88	0.00	24.00	19.09	19.01	19.55	0.00	20.00	18.00	18.08	18.52	0.00	19.0
			50	0	22.31	22.19	22.44	0.00	24.00	19.23	19.11	19.32	0.00	20.00	18.11	18.05	18.34	0.00	19.0
			50	28	23.21	23.18	23.60	0.00	24.00	19.20	19.10	19.42	0.00	20.00	18.21	18.06	18.40	0.00	19.0
			50	56	22.33	22.12	22.64	0.00	24.00	19.23	19.05	19.55	0.00	20.00	18.19	18.03	18.52	0.00	19.0
			100	0	22.38	22.21	22.56	0.00	24.00	19.28	19.10	19.58	0.00	20.00	18.22	18.07	18.47	0.00	19.0
		QPSK	1	1	22.77	23.15	23.34	0.00	24.00	19.19	19.07	19.23	0.00	20.00	18.12	18.06	18.23	0.00	19.0
			1	53	23.24	23.15	23.56	0.00	24.00	19.25	19.07	19.43	0.00	20.00	18.19	18.06	18.38	0.00	19.0
			1	104	23.28	23.19	22.88	0.00	24.00	19.19	19.11	19.57	0.00	20.00	18.14	18.04	18.59	0.00	19.0
			50	0	22.40	22.20	22.50	0.00	24.00	19.28	19.14	19.40	0.00	20.00	18.19	18.09	18.31	0.00	19.0
			50	28	23.25	23.19	23.57	0.00	24.00	19.27	19.11	19.45	0.00	20.00	18.23	18.08	18.47	0.00	19.0
			50	56	22.31	22.15	22.64	0.00	24.00	19.21	19.06	19.57	0.00	20.00	18.24	18.04	18.53	0.00	19.0
			100	0	22.40	22.24	22.59	0.00	24.00	19.27	19.16	19.50	0.00	20.00	18.23	18.12	18.46	0.00	19.0
		16QAM	1	1	21.70	22.16	22.34	0.00	24.00	19.26	19.11	19.29	0.00	20.00	18.15	17.89	18.21	0.00	19.0
		64QAM	1	1	20.90	20.85	21.00	2.00	22.00	19.37	19.28	19.39	0.00	20.00	18.29	18.23	18.36	0.00	19.0
		256QAM	1	1	18.36	18.23	18.38	4.50	19.50	18.31	18.24	18.33	0.00	20.00	17.67	17.58	17.70	0.00	19.0
	CP-OFDM	QPSK	1	1	21.21	21.73	21.81	1.50	22.50	19.27	19.12	19.28	0.00	20.00	18.20	18.05	18.24	0.00	19.0

NR Band n7 (Ant F) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					501500.00	507000.00	512500.00			501500.00	507000.00	512500.00			501500.00	507000.00	512500.00		
					2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.01	23.02	23.29	0.00	24.00	19.11	18.94	19.22	0.00	20.00	18.09	18.03	18.23	0.00	19.0
			1	40	23.07	23.02	23.45	0.00	24.00	19.11	18.96	19.35	0.00	20.00	18.02	17.97	18.37	0.00	19.0
			1	77	23.02	23.15	22.91	0.00	24.00	19.10	19.08	19.56	0.00	20.00	17.97	18.07	18.60	0.00	19.0
			36	0	22.21	22.13	23.21	0.00	24.00	19.19	19.10	19.42	0.00	20.00	18.22	18.04	18.41	0.00	19.0
			36	22	23.25	23.13	23.34	0.00	24.00	19.20	19.03	19.46	0.00	20.00	18.22	18.04	18.39	0.00	19.0
			36	43	22.24	22.12	23.00	0.00	24.00	19.22	19.07	19.55	0.00	20.00	18.19	18.06	18.53	0.00	19.0
			75	0	22.27	22.17	22.91	0.00	24.00	19.23	19.15	19.50	0.00	20.00	18.19	18.12	18.45	0.00	19.0
		QPSK	1	1	22.94	23.10	23.37	0.00	24.00	19.23	19.11	19.35	0.00	20.00	18.02	18.09	18.30	0.00	19.0
			1	40	23.24	23.09	23.50	0.00	24.00	19.23	19.02	19.48	0.00	20.00	18.13	18.08	18.41	0.00	19.0
			1	77	23.20	23.14	22.80	0.00	24.00	19.24	19.12	19.67	0.00	20.00	18.12	18.13	18.62	0.00	19.0
			36	0	22.29	22.19	22.55	0.00	24.00	19.20	19.08	19.49	0.00	20.00	18.22	18.07	18.47	0.00	19.0
			36	22	23.31	23.14	23.55	0.00	24.00	19.22	19.06	19.47	0.00	20.00	18.19	18.08	18.40	0.00	19.0
			36	43	22.32	22.15	22.62	0.00	24.00	19.25	19.05	19.55	0.00	20.00	18.19	18.04	18.52	0.00	19.0
			75	0	22.32	22.23	22.54	0.00	24.00	19.26	19.08	19.49	0.00	20.00	18.22	18.10	18.48	0.00	19.0
		16QAM	1	1	21.97	22.11	22.36	0.00	24.00	19.29	19.05	19.39	0.00	20.00	18.19	17.96	18.30	0.00	19.0
		64QAM	1	1	20.87	20.82	21.07	2.00	22.00	19.35	19.27	19.53	0.00	20.00	18.29	18.23	18.46	0.00	19.0
		256QAM	1	1	18.30	18.17	18.37	4.50	19.50	17.88	18.12	18.43	0.00	20.00	17.56	17.55	17.80	0.00	19.0
	CP-OFDM	QPSK	1	1	21.73	21.69	21.88	1.50	22.50	19.32	19.12	19.35	0.00	20.00	18.22	18.08	18.33	0.00	19.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					501000.00	507000.00	513000.00			501000.00	507000.00	513000.00			501000.00	507000.00	513000.00		
					2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.01	23.00	23.16	0.00	24.00	18.95	18.93	19.26	0.00	20.00	17.88	17.78	18.22	0.00	19.0
			1	26	23.02	23.09	22.76	0.00	24.00	18.90	18.98	19.37	0.00	20.00	17.84	17.89	18.36	0.00	19.0
			1	50	22.98	23.13	22.16	0.00	24.00	18.89	19.04	19.46	0.00	20.00	17.84	17.98	18.46	0.00	19.0
			25	0	22.05	22.07	22.46	0.00	24.00	19.04	19.00	19.42	0.00	20.00	17.94	17.94	18.32	0.00	19.0
			25	14	23.11	23.08	23.45	0.00	24.00	19.02	19.01	19.34	0.00	20.00	17.96	17.96	18.35	0.00	19.0
			25	27	22.07	22.03	22.43	0.00	24.00	18.99	19.00	19.37	0.00	20.00	17.90	17.92	18.33	0.00	19.0
			50	0	22.09	22.07	22.48	0.00	24.00	19.02	18.96	19.39	0.00	20.00	17.96	18.01	18.32	0.00	19.0
		QPSK	1	1	22.99	23.07	23.37	0.00	24.00	19.00	19.01	19.31	0.00	20.00	17.92	17.92	18.28	0.00	19.0
			1	26	23.10	23.11	23.36	0.00	24.00	19.02	19.01	19.43	0.00	20.00	18.01	18.00	18.40	0.00	19.0
			1	50	23.09	23.16	22.77	0.00	24.00	19.02	19.06	19.51	0.00	20.00	17.96	18.08	18.44	0.00	19.0
			25	0	23.13	22.11	23.10	0.00	24.00	19.03	19.03	19.43	0.00	20.00	17.96	17.99	18.40	0.00	19.0
			25	14	22.11	23.07	23.42	0.00	24.00	18.98	18.97	19.42	0.00	20.00	17.95	17.92	18.38	0.00	19.0
			25	27	22.08	22.09	22.48	0.00	24.00	19.04	18.99	19.37	0.00	20.00	17.98	17.93	18.34	0.00	19.0
			50	0	22.11	22.08	22.46	0.00	24.00	19.01	18.98	19.40	0.00	20.00	17.94	17.93	18.36	0.00	19.0
		16QAM	1	1	22.00	22.11	22.33	0.00	24.00	19.08	19.08	19.36	0.00	20.00	18.02	17.88	18.32	0.00	19.0
		64QAM	1	1	20.69	20.80	21.09	2.00	22.00	19.22	19.19	19.49	0.00	20.00	18.08	18.10	18.43	0.00	19.0
		256QAM	1	1	18.05	18.08	18.38	4.50	19.50	18.07	18.03	18.37	0.00	20.00	17.41	17.40	17.78	0.00	19.0
	CP-OFDM	QPSK	1	1	21.45	21.62	21.79	1.50	22.50	19.09	19.02	19.29	0.00	20.00	17.99	17.89	18.29	0.00	19.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					500500.00	507000.00	513500.00			500500.00	507000.00	513500.00			500500.00	507000.00	513500.00		
					2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.00	22.93	23.30	0.00	24.00	18.98	18.95	19.31	0.00	20.00	17.94	17.83	18.30	0.00	19.0
			1	13	23.04	22.98	23.18	0.00	24.00	18.99	18.95	19.38	0.00	20.00	17.97	17.88	18.38	0.00	19.0
			1	23	23.06	23.02	22.90	0.00	24.00	18.94	18.95	19.43	0.00	20.00	17.98	17.87	18.47	0.00	19.0
			12	0	22.11	21.98	22.41	0.00	24.00	19.00	18.91	19.29	0.00	20.00	17.99	17.90	18.36	0.00	19.0
			12	7	23.13	23.07	23.43	0.00	24.00	19.08	19.01	19.37	0.00	20.00	18.00	17.96	18.36	0.00	19.0
			12	13	22.17	22.11	22.57	0.00	24.00	19.10	19.01	19.49	0.00	20.00	18.08	18.01	18.54	0.00	19.0
			25	0	22.15	22.06	22.46	0.00	24.00	19.10	18.97	19.40	0.00	20.00	18.04	17.93	18.38	0.00	19.0
		QPSK	1	1	23.08	23.03	23.43	0.00	24.00	19.05	18.95	19.42	0.00	20.00	18.02	17.95	18.35	0.00	19.0
			1	13	23.16	23.04	23.32	0.00	24.00	19.08	18.99	19.45	0.00	20.00	18.03	17.96	18.38	0.00	19.0
			1	23	23.11	23.04	23.13	0.00	24.00	19.02	18.98	19.50	0.00	20.00	18.04	17.98	18.49	0.00	19.0
			12	0	22.11	22.03	22.44	0.00	24.00	19.01	18.98	19.34	0.00	20.00	18.02	17.92	18.35	0.00	19.0
			12	7	23.13	23.10	23.47	0.00	24.00	19.07	19.05	19.40	0.00	20.00	18.07	17.96	18.39	0.00	19.0
			12	13	22.25	22.12	22.62	0.00	24.00	19.12	19.03	19.53	0.00	20.00	18.13	17.97	18.50	0.00	19.0
			25	0	22.12	22.05	22.45	0.00	24.00	19.06	19.00	19.40	0.00	20.00	18.04	17.98	18.39	0.00	19.0
		16QAM	1	1	22.16	22.14	22.42	0.00	24.00	19.17	19.03	19.44	0.00	20.00	18.02	17.90	18.35	0.00	19.0
		64QAM	1	1	20.80	20.75	21.10	2.00	22.00	19.23	19.16	19.56	0.00	20.00	18.20	18.10	18.54	0.00	19.0
		256QAM	1	1	18.12	18.02	18.46	4.50	19.50	18.09	18.04	18.40	0.00	20.00	17.49	17.35	17.82	0.00	19.0
	CP-OFDM	QPSK	1	1	21.62	21.61	21.92	1.50	22.50	19.10	18.99	19.35	0.00	20.00	18.02	17.93	18.37	0.00	19.0

NR Band n12 Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
					DSI = 0, 1, 2, 3				
					Measured Pwr (dBm)				
					141300	141500	141700		
					706.5 MHz	707.5 MHz	708.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	[redacted]	24.40	[redacted]	0.00	25.50
			1	40		24.33		0.00	25.50
			1	77		24.12		0.00	25.50
			36	0		23.49		0.50	25.00
			36	22		24.49		0.00	25.50
			36	43		23.44		0.50	25.00
			75	0		23.51		0.50	25.00
		QPSK	1	1		24.57		0.00	25.50
			1	40		24.53		0.00	25.50
			1	77		24.33		0.00	25.50
			36	0		23.57		1.00	24.50
			36	22		24.51		0.00	25.50
			36	43		23.45		1.00	24.50
			75	0		23.52		1.00	24.50
		16QAM	1	1		23.59		1.00	24.50
			1	40		23.41		1.00	24.50
			1	77		23.24		1.00	24.50
		64QAM	1	1		22.25		2.50	23.00
		256QAM	1	1		19.64		4.50	21.00
	CP-OFDM	QPSK	1	1		22.85		1.50	24.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					140800.00	141500.00	142200.00		
					704 MHz	707.5 MHz	711 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	[redacted]	24.38	[redacted]	0.00	25.50
			1	26		24.26		0.00	25.50
			1	50		24.15		0.00	25.50
			25	0		23.39		0.50	25.00
			25	14		24.37		0.00	25.50
			25	27		23.25		0.50	25.00
			50	0		23.41		0.50	25.00
		QPSK	1	1		24.47		0.00	25.50
			1	26		24.34		0.00	25.50
			1	50		24.29		0.00	25.50
			25	0		23.44		1.00	24.50
			25	14		24.40		0.00	25.50
			25	27		23.29		1.00	24.50
			50	0		23.40		1.00	24.50
		16QAM	1	1		23.39		1.00	24.50
		64QAM	1	1		22.10		2.50	23.00
		256QAM	1	1		19.39		4.50	21.00
	CP-OFDM	QPSK	1	1		22.40		1.50	24.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					140300.00	141500.00	142700.00		
					701.5 MHz	707.5 MHz	713.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.34	24.32	24.09	0.00	25.50
			1	13	24.31	24.30	24.03	0.00	25.50
			1	23	24.32	24.16	23.96	0.00	25.50
			12	0	23.43	23.40	23.19	0.50	25.00
			12	7	24.44	24.36	24.09	0.00	25.50
			12	13	23.37	23.36	23.06	0.50	25.00
			25	0	23.44	23.37	23.13	0.50	25.00
		QPSK	1	1	24.45	24.35	24.23	0.00	25.50
			1	13	24.57	24.37	24.16	0.00	25.50
			1	23	24.49	24.33	24.17	0.00	25.50
			12	0	23.46	23.41	23.26	1.00	24.50
			12	7	24.46	24.40	24.10	0.00	25.50
			12	13	23.44	23.37	23.12	1.00	24.50
			25	0	23.43	23.41	23.13	1.00	24.50
		16QAM	1	1	23.46	23.40	23.16	1.00	24.50
		64QAM	1	1	22.10	22.08	21.90	2.50	23.00
		256QAM	1	1	19.46	19.41	19.18	4.50	21.00
	CP-OFDM	QPSK	1	1	22.88	22.84	23.20	1.50	24.00

NR Band n25 (Ant B) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)									
					DSI = 2, 3					DSI = 0, 1				
					Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					374000	376500	379000			374000	376500	379000		
					1870 MHz	1882.5 MHz	1895 MHz			1870 MHz	1882.5 MHz	1895 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.95		0.00	24.50		19.24		0.00	20.00
			1	108		23.80		0.00	24.50		19.15		0.00	20.00
			1	214		23.75		0.00	24.50		18.99		0.00	20.00
			108	0		23.01		0.50	24.00		19.33		0.00	20.00
			108	54		23.92		0.00	24.50		19.24		0.00	20.00
			108	108		22.98		0.00	24.50		19.25		0.00	20.00
			216	0		22.97		0.00	24.50		19.26		0.00	20.00
		QPSK	1	1		24.21		0.00	24.50		19.49		0.00	20.00
			1	108		24.18		0.00	24.50		19.28		0.00	20.00
			1	214		23.98		0.00	24.50		19.14		0.00	20.00
			108	0		23.08		1.00	23.50		19.38		0.00	20.00
			108	54		24.13		0.00	24.50		19.40		0.00	20.00
			108	108		22.96		1.00	23.50		19.26		0.00	20.00
			216	0		23.00		1.00	23.50		19.29		0.00	20.00
		16QAM	1	1		23.12		1.00	23.50		19.47		0.00	20.00
			1	108		23.02		1.00	23.50		19.31		0.00	20.00
			1	214		22.88		1.00	23.50		19.09		0.00	20.00
		64QAM	1	1		21.83		2.50	22.00		19.53		0.00	20.00
		256QAM	1	1		19.16		4.50	20.00		18.92		0.00	20.00
	CP-OFDM	QPSK	1	1		22.56		1.50	23.00		19.38		0.00	20.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					373000.00	376500.00	380000.00			373000.00	376500.00	380000.00		
					1865 MHz	1882.5 MHz	1900 MHz			1865 MHz	1882.5 MHz	1900 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1		24.12		0.00	24.50		19.45		0.00	20.00
			1	80		24.12		0.00	24.50		19.37		0.00	20.00
			1	158		24.04		0.00	24.50		19.23		0.00	20.00
			80	0		23.20		0.50	24.00		19.21		0.00	20.00
			80	40		24.18		0.00	24.50		19.53		0.00	20.00
			80	80		23.22		0.50	24.00		19.42		0.00	20.00
			160	0		23.21		0.50	24.00		19.35		0.00	20.00
		QPSK	1	1		24.30		0.00	24.50		19.50		0.00	20.00
			1	80		24.22		0.00	24.50		19.49		0.00	20.00
			1	158		24.17		0.00	24.50		19.35		0.00	20.00
			80	0		23.28		1.00	23.50		19.48		0.00	20.00
			80	40		24.14		0.00	24.50		19.41		0.00	20.00
			80	80		23.24		1.00	23.50		19.44		0.00	20.00
			160	0		23.26		1.00	23.50		19.48		0.00	20.00
		16QAM	1	1		23.31		1.00	23.50		19.48		0.00	20.00
		64QAM	1	1		21.98		2.50	22.00		19.68		0.00	20.00
		256QAM	1	1		19.36		4.50	20.00		19.10		0.00	20.00
	CP-OFDM	QPSK	1	1		22.78		1.50	23.00		19.59		0.00	20.00

NR Band n25 (Ant B) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					372500.00	376500.00	380500.00			372500.00	376500.00	380500.00		
					1862.5 MHz	1882.5 MHz	1902.5 MHz			1862.5 MHz	1882.5 MHz	1902.5 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.94		0.00	24.50		19.39		0.00	20.00
			1	67		23.81		0.00	24.50		19.25		0.00	20.00
			1	131		23.76		0.00	24.50		19.23		0.00	20.00
			64	0		23.09		0.50	24.00		19.47		0.00	20.00
			64	35		24.03		0.00	24.50		19.43		0.00	20.00
			64	69		22.97		0.50	24.00		19.38		0.00	20.00
			128	0		23.03		0.50	24.00		19.44		0.00	20.00
		QPSK	1	1		24.11		0.00	24.50		19.53		0.00	20.00
			1	67		24.00		0.00	24.50		19.36		0.00	20.00
			1	131		23.90		0.00	24.50		19.28		0.00	20.00
			64	0		23.06		1.00	23.50		19.45		0.00	20.00
			64	35		24.05		0.00	24.50		19.45		0.00	20.00
			64	69		22.95		1.00	23.50		19.37		0.00	20.00
			128	0		23.09		1.00	23.50		19.46		0.00	20.00
		16QAM	1	1		23.04		1.00	23.50		19.41		0.00	20.00
		64QAM	1	1		21.87		2.50	22.00		19.70		0.00	20.00
		256QAM	1	1		19.39		4.50	20.00		19.32		0.00	20.00
	CP-OFDM	QPSK	1	1		22.60		1.50	23.00		19.53		0.00	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					372000.00	376500.00	381000.00			372000.00	376500.00	381000.00		
					1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.98	24.04	23.68	0.00	24.50	19.50	19.35	19.26	0.00	20.00
			1	53	24.21	23.56	23.72	0.00	24.50	19.47	19.23	19.17	0.00	20.00
			1	104	24.10	23.56	22.84	0.00	24.50	19.35	19.22	19.09	0.00	20.00
			50	0	23.39	23.19	23.03	0.50	24.00	19.62	19.46	19.32	0.00	20.00
			50	28	24.32	23.69	23.89	0.00	24.50	19.62	19.41	19.28	0.00	20.00
			50	56	23.32	23.16	23.01	0.50	24.00	19.55	19.35	19.23	0.00	20.00
			100	0	23.39	23.19	23.07	0.50	24.00	19.63	19.40	19.28	0.00	20.00
		QPSK	1	1	24.04	24.12	23.92	0.00	24.50	19.62	19.43	19.34	0.00	20.00
			1	53	24.34	23.70	23.99	0.00	24.50	19.60	19.36	19.27	0.00	20.00
			1	104	24.24	23.67	23.21	0.00	24.50	19.43	19.24	19.10	0.00	20.00
			50	0	23.43	23.18	23.10	1.00	23.50	19.64	19.42	19.33	0.00	20.00
			50	28	24.34	23.72	23.97	0.00	24.50	19.61	19.39	19.26	0.00	20.00
			50	56	23.37	23.15	23.03	1.00	23.50	19.60	19.34	19.22	0.00	20.00
			100	0	23.39	23.23	23.10	1.00	23.50	19.60	19.46	19.33	0.00	20.00
		16QAM	1	1	23.01	23.13	22.87	1.00	23.50	19.67	19.43	19.37	0.00	20.00
		64QAM	1	1	21.98	21.91	21.73	2.50	22.00	19.85	19.60	19.49	0.00	20.00
		256QAM	1	1	19.45	19.29	19.18	4.50	20.00	19.17	18.95	18.85	0.00	20.00
	CP-OFDM	QPSK	1	1	22.37	21.87	22.35	1.50	23.00	19.67	19.50	19.32	0.00	20.00

NR Band n25 (Ant B) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					371500.00	376500.00	381500.00			371500.00	376500.00	381500.00		
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.11	23.09	23.88	0.00	24.50	19.58	19.39	19.29	0.00	20.00
			1	40	24.24	22.46	23.81	0.00	24.50	19.51	19.30	19.18	0.00	20.00
			1	77	24.15	22.42	23.18	0.00	24.50	19.42	19.22	19.15	0.00	20.00
			36	0	23.43	23.14	23.03	0.50	24.00	19.70	19.17	19.39	0.00	20.00
			36	22	24.40	23.89	23.90	0.00	24.50	19.61	19.43	19.32	0.00	20.00
			36	43	23.39	23.09	23.01	0.50	24.00	19.62	19.39	19.34	0.00	20.00
			75	0	23.42	23.15	23.00	0.50	24.00	19.67	19.34	19.39	0.00	20.00
		QPSK	1	1	24.23	24.18	24.02	0.00	24.50	19.74	19.47	19.42	0.00	20.00
			1	40	24.37	23.74	23.93	0.00	24.50	19.65	19.31	19.29	0.00	20.00
			1	77	24.28	23.73	23.22	0.00	24.50	19.56	19.29	19.27	0.00	20.00
			36	0	23.14	23.19	23.07	1.00	23.50	19.71	19.43	19.42	0.00	20.00
			36	22	23.43	23.86	23.94	0.00	24.50	19.69	19.39	19.39	0.00	20.00
			36	43	23.39	23.18	23.02	1.00	23.50	19.65	19.41	19.33	0.00	20.00
			75	0	23.46	23.15	23.03	1.00	23.50	19.65	19.44	19.39	0.00	20.00
		16QAM	1	1	23.28	23.10	23.04	1.00	23.50	19.66	19.40	19.34	0.00	20.00
		64QAM	1	1	21.27	21.91	21.73	2.50	22.00	19.95	19.65	19.49	0.00	20.00
		256QAM	1	1	19.48	19.21	19.06	4.50	20.00	19.23	18.95	18.91	0.00	20.00
	CP-OFDM	QPSK	1	1	22.89	22.68	22.54	1.50	23.00	19.79	19.54	19.45	0.00	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					371000.00	376500.00	382000.00			371000.00	376500.00	382000.00		
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.08	23.44	23.64	0.00	24.50	19.43	19.17	19.05	0.00	20.00
			1	26	23.96	22.77	23.38	0.00	24.50	19.43	19.19	19.04	0.00	20.00
			1	50	24.04	22.72	22.69	0.00	24.50	19.35	19.09	19.02	0.00	20.00
			25	0	23.22	23.00	22.83	0.50	24.00	19.57	19.30	19.14	0.00	20.00
			25	14	24.22	23.77	23.82	0.00	24.50	19.51	19.27	19.08	0.00	20.00
			25	27	23.21	22.97	22.80	0.50	24.00	19.47	19.27	19.08	0.00	20.00
			50	0	23.24	23.03	22.86	0.50	24.00	19.51	19.30	19.13	0.00	20.00
		QPSK	1	1	24.13	24.01	23.74	0.00	24.50	19.49	19.29	19.14	0.00	20.00
			1	26	24.02	23.53	23.54	0.00	24.50	19.47	19.25	19.13	0.00	20.00
			1	50	24.17	23.57	22.82	0.00	24.50	19.45	19.23	19.01	0.00	20.00
			25	0	23.30	23.03	22.87	1.00	23.50	19.53	19.32	19.15	0.00	20.00
			25	14	24.24	23.68	23.77	0.00	24.50	19.53	19.30	19.14	0.00	20.00
			25	27	23.26	22.99	22.84	1.00	23.50	19.45	19.28	19.12	0.00	20.00
			50	0	23.25	23.05	22.86	1.00	23.50	19.53	19.27	19.09	0.00	20.00
		16QAM	1	1	23.22	22.92	22.83	1.00	23.50	19.45	19.23	19.11	0.00	20.00
		64QAM	1	1	21.98	21.72	21.56	2.50	22.00	19.71	19.46	19.31	0.00	20.00
		256QAM	1	1	18.28	19.02	18.84	4.50	20.00	19.00	18.07	18.59	0.00	20.00
	CP-OFDM	QPSK	1	1	22.05	21.00	22.34	1.50	23.00	19.56	19.42	19.13	0.00	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					370500.00	376500.00	382500.00			370500.00	376500.00	382500.00		
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.99	23.75	23.41	0.00	24.50	19.40	19.24	18.93	0.00	20.00
			1	13	23.73	23.40	22.93	0.00	24.50	19.32	19.15	18.94	0.00	20.00
			1	23	23.85	23.51	22.58	0.00	24.50	19.39	19.22	18.90	0.00	20.00
			12	0	23.24	23.02	22.82	0.50	24.00	19.44	19.31	19.06	0.00	20.00
			12	7	24.14	23.86	23.75	0.00	24.50	19.46	19.26	19.02	0.00	20.00
			12	13	23.19	23.04	22.77	0.50	24.00	19.45	19.25	19.01	0.00	20.00
			25	0	23.20	23.06	22.80	0.50	24.00	19.49	19.29	19.02	0.00	20.00
		QPSK	1	1	24.03	23.84	23.70	0.00	24.50	19.52	19.33	19.01	0.00	20.00
			1	13	23.84	23.46	23.32	0.00	24.50	19.48	19.27	19.03	0.00	20.00
			1	23	23.91	23.64	22.94	0.00	24.50	19.49	19.30	19.01	0.00	20.00
			12	0	23.20	23.04	22.85	1.00	23.50	19.50	19.31	19.01	0.00	20.00
			12	7	24.20	23.85	22.85	0.00	24.50	19.47	19.26	19.05	0.00	20.00
			12	13	23.22	23.06	22.84	1.00	23.50	19.47	19.31	19.02	0.00	20.00
			25	0	23.22	23.07	22.81	1.00	23.50	19.50	19.27	19.03	0.00	20.00
		16QAM	1	1	23.08	22.93	22.75	1.00	23.50	19.54	19.37	19.02	0.00	20.00
		64QAM	1	1	21.99	21.81	21.53	2.50	22.00	19.70	19.52	19.20	0.00	20.00
		256QAM	1	1	18.91	19.05	18.83	4.50	20.00	18.98	18.82	17.84	0.00	20.00
	CP-OFDM	QPSK	1	1	22.52	22.37	22.75	1.50	23.00	19.52	19.34	19.04	0.00	20.00

NR Band n25 (Ant F) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)								
					DSI = 2, 3					DSI = 0, 1			
					Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					374000	376500	379000			374000	376500	379000		
					1870 MHz	1882.5 MHz	1895 MHz			1870 MHz	1882.5 MHz	1895 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1		22.92		0.00	23.50		20.27		0.00	21.00
			1	108		22.71		0.00	23.50		19.99		0.00	21.00
			1	214		22.46		0.00	23.50		19.83		0.00	21.00
			108	0		22.42		0.00	23.50		20.24		0.00	21.00
			108	54		22.71		0.00	23.50		20.11		0.00	21.00
			108	108		22.21		0.00	23.50		20.07		0.00	21.00
			216	0		22.27		0.00	23.50		20.12		0.00	21.00
		QPSK	1	1		22.72		0.00	23.50		20.27		0.00	21.00
			1	108		22.78		0.00	23.50		20.29		0.00	21.00
			1	214		22.61		0.00	23.50		19.96		0.00	21.00
			108	0		22.51		0.00	23.50		20.29		0.00	21.00
			108	54		22.46		0.00	23.50		20.14		0.00	21.00
			108	108		22.21		0.00	23.50		20.12		0.00	21.00
			216	0		22.30		0.00	23.50		20.37		0.00	21.00
		16QAM	1	1		22.52		0.00	23.50		20.39		0.00	21.00
			1	108		22.30		0.00	23.50		20.10		0.00	21.00
			1	214		22.12		0.00	23.50		19.87		0.00	21.00
		64QAM	1	1		21.16		2.00	21.50		20.50		0.00	21.00
		256QAM	1	1		18.57		4.00	19.50		18.47		2.00	19.00
	CP-OFDM	QPSK	1	1		22.01		1.00	22.50		20.37		0.00	21.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					373000.00	376500.00	380000.00			373000.00	376500.00	380000.00		
					1865 MHz	1882.5 MHz	1900 MHz			1865 MHz	1882.5 MHz	1900 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1		22.84		0.00	23.50		20.25		0.00	21.00
			1	80		22.68		0.00	23.50		20.06		0.00	21.00
			1	158		22.47		0.00	23.50		19.96		0.00	21.00
			80	0		22.32		0.00	23.50		20.28		0.00	21.00
			80	40		22.69		0.00	23.50		20.16		0.00	21.00
			80	80		22.16		0.00	23.50		20.08		0.00	21.00
			160	0		22.24		0.00	23.50		20.17		0.00	21.00
		QPSK	1	1		22.90		0.00	23.50		20.35		0.00	21.00
			1	80		22.81		0.00	23.50		20.22		0.00	21.00
			1	158		22.62		0.00	23.50		20.11		0.00	21.00
			80	0		22.35		0.00	23.50		20.31		0.00	21.00
			80	40		22.72		0.00	23.50		20.17		0.00	21.00
			80	80		22.22		0.00	23.50		20.11		0.00	21.00
			160	0		22.24		0.00	23.50		20.18		0.00	21.00
		16QAM	1	1		22.49		0.00	23.50		20.37		0.00	21.00
		64QAM	1	1		21.09		2.00	21.50		20.48		0.00	21.00
		256QAM	1	1		18.49		4.00	19.50		18.50		2.00	19.00
	CP-OFDM	QPSK	1	1		21.91		1.00	22.50		20.38		0.00	21.00

NR Band n25 (Ant F) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					372500.00	376500.00	380500.00			372500.00	376500.00	380500.00		
					1862.5 MHz	1882.5 MHz	1902.5 MHz			1862.5 MHz	1882.5 MHz	1902.5 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	[redacted]	22.55	[redacted]	0.00	23.50	[redacted]	20.04	[redacted]	0.00	21.00
			1	67		22.41		0.00	23.50		19.88		0.00	21.00
			1	131		22.45		0.00	23.50		19.94		0.00	21.00
			64	0		22.21		0.00	23.50		20.16		0.00	21.00
			64	35		22.67		0.00	23.50		20.13		0.00	21.00
			64	69		22.13		0.00	23.50		20.04		0.00	21.00
			128	0		22.21		0.00	23.50		20.15		0.00	21.00
		QPSK	1	1		22.75		0.00	23.50		20.19		0.00	21.00
			1	67		22.69		0.00	23.50		20.02		0.00	21.00
			1	131		22.58		0.00	23.50		19.98		0.00	21.00
			64	0		22.22		0.00	23.50		20.12		0.00	21.00
			64	35		22.70		0.00	23.50		20.12		0.00	21.00
			64	69		22.19		0.00	23.50		20.08		0.00	21.00
			128	0		22.27		0.00	23.50		20.14		0.00	21.00
		16QAM	1	1		22.33		0.00	23.50		20.19		0.00	21.00
		64QAM	1	1		20.97		2.00	21.50		20.35		0.00	21.00
		256QAM	1	1		18.61		4.00	19.50		18.59		2.00	19.00
	CP-OFDM	QPSK	1	1		21.76		1.00	22.50		20.22		0.00	21.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					372000.00	376500.00	381000.00			372000.00	376500.00	381000.00		
					1860 MHz	1882.5 MHz	1905 MHz			1860 MHz	1882.5 MHz	1905 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.77	22.63	22.59	0.00	23.50	20.08	19.98	19.96	0.00	21.00
			1	53	22.62	22.51	22.45	0.00	23.50	20.05	19.82	19.82	0.00	21.00
			1	104	22.60	22.55	22.42	0.00	23.50	19.97	19.95	19.81	0.00	21.00
			50	0	22.39	22.22	22.11	0.00	23.50	20.25	20.03	19.99	0.00	21.00
			50	28	22.83	22.68	22.61	0.00	23.50	20.24	20.04	20.04	0.00	21.00
			50	56	22.26	22.19	22.11	0.00	23.50	20.18	20.05	20.01	0.00	21.00
			100	0	22.33	22.23	22.11	0.00	23.50	20.24	20.07	20.01	0.00	21.00
		QPSK	1	1	22.85	22.75	22.64	0.00	23.50	20.24	20.11	20.06	0.00	21.00
			1	53	22.77	22.68	22.57	0.00	23.50	20.13	20.01	19.99	0.00	21.00
			1	104	22.68	22.60	22.49	0.00	23.50	20.03	19.97	19.87	0.00	21.00
			50	0	22.42	22.21	22.16	0.00	23.50	20.27	20.08	20.02	0.00	21.00
			50	28	22.86	22.71	22.61	0.00	23.50	20.24	20.10	20.05	0.00	21.00
			50	56	22.37	22.17	22.08	0.00	23.50	20.23	20.05	19.96	0.00	21.00
			100	0	22.38	22.23	22.13	0.00	23.50	20.21	20.08	20.05	0.00	21.00
		16QAM	1	1	22.32	22.28	22.24	0.00	23.50	20.14	20.09	20.12	0.00	21.00
		64QAM	1	1	21.13	20.91	20.86	2.00	21.50	20.44	20.24	20.20	0.00	21.00
		256QAM	1	1	18.49	18.28	18.18	4.00	19.50	18.41	18.20	18.16	2.00	19.00
	CP-OFDM	QPSK	1	1	21.86	21.75	21.70	1.00	22.50	20.36	20.11	20.11	0.00	21.00

NR Band n25 (Ant F) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					371500.00	376500.00	381500.00			371500.00	376500.00	381500.00		
					1857.5 MHz	1882.5 MHz	1907.5 MHz			1857.5 MHz	1882.5 MHz	1907.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.78	22.62	22.51	0.00	23.50	20.30	20.06	19.98	0.00	21.00
			1	40	22.72	22.54	22.44	0.00	23.50	20.20	19.94	19.89	0.00	21.00
			1	77	22.80	22.61	22.44	0.00	23.50	20.22	20.04	19.89	0.00	21.00
			36	0	22.41	22.25	22.09	0.00	23.50	20.36	20.17	20.00	0.00	21.00
			36	22	22.82	22.69	22.58	0.00	23.50	20.30	20.12	20.01	0.00	21.00
			36	43	22.34	22.17	22.09	0.00	23.50	20.29	20.11	19.96	0.00	21.00
			75	0	22.42	22.20	22.09	0.00	23.50	20.31	20.13	20.02	0.00	21.00
		QPSK	1	1	22.97	22.79	22.66	0.00	23.50	20.33	20.14	19.99	0.00	21.00
			1	40	22.86	22.65	22.60	0.00	23.50	20.25	20.03	19.94	0.00	21.00
			1	77	22.82	22.66	22.52	0.00	23.50	20.19	20.05	19.87	0.00	21.00
			36	0	22.42	22.25	22.12	0.00	23.50	20.23	20.14	20.03	0.00	21.00
			36	22	22.90	22.70	22.63	0.00	23.50	20.31	20.14	19.99	0.00	21.00
			36	43	22.36	22.19	22.09	0.00	23.50	20.25	20.09	20.00	0.00	21.00
			75	0	22.41	22.25	22.15	0.00	23.50	20.35	20.11	20.00	0.00	21.00
		16QAM	1	1	22.41	22.28	22.19	0.00	23.50	20.27	20.15	20.06	0.00	21.00
		64QAM	1	1	21.20	20.97	20.83	2.00	21.50	20.54	20.34	20.18	0.00	21.00
		256QAM	1	1	18.46	18.27	18.17	4.00	19.50	18.39	18.24	18.11	2.00	19.00
	CP-OFDM	QPSK	1	1	22.02	21.77	21.65	1.00	22.50	20.42	20.10	20.07	0.00	21.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					371000.00	376500.00	382000.00			371000.00	376500.00	382000.00		
					1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.74	22.52	22.25	0.00	23.50	20.14	19.89	19.57	0.00	21.00
			1	26	22.77	22.45	22.19	0.00	23.50	20.20	19.87	19.56	0.00	21.00
			1	50	22.70	22.35	22.16	0.00	23.50	20.14	19.93	19.63	0.00	21.00
			25	0	22.33	22.09	21.79	0.00	23.50	20.20	19.93	19.72	0.00	21.00
			25	14	22.78	22.53	22.29	0.00	23.50	20.22	19.95	19.70	0.00	21.00
			25	27	22.26	22.06	21.77	0.00	23.50	20.22	19.94	19.68	0.00	21.00
			50	0	22.34	22.06	21.84	0.00	23.50	20.19	19.96	19.67	0.00	21.00
		QPSK	1	1	22.79	22.52	22.28	0.00	23.50	20.19	19.98	19.70	0.00	21.00
			1	26	22.79	22.50	22.31	0.00	23.50	20.19	19.97	19.68	0.00	21.00
			1	50	22.71	22.50	22.25	0.00	23.50	20.11	19.85	19.66	0.00	21.00
			25	0	22.33	22.07	21.85	0.00	23.50	20.21	19.96	19.68	0.00	21.00
			25	14	22.83	22.60	22.35	0.00	23.50	20.20	19.93	19.67	0.00	21.00
			25	27	22.31	22.07	21.80	0.00	23.50	20.21	19.91	19.66	0.00	21.00
			50	0	22.35	22.07	21.82	0.00	23.50	20.21	19.93	19.67	0.00	21.00
		16QAM	1	1	22.30	22.07	21.67	0.00	23.50	20.17	19.96	19.67	0.00	21.00
		64QAM	1	1	21.07	20.78	20.52	2.00	21.50	20.41	20.15	19.90	0.00	21.00
		256QAM	1	1	18.34	18.09	17.82	4.00	19.50	18.30	18.01	17.76	2.00	19.00
	CP-OFDM	QPSK	1	1	21.84	21.58	21.33	1.00	22.50	20.17	19.96	19.73	0.00	21.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					370500.00	376500.00	382500.00			370500.00	376500.00	382500.00		
					1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.68	22.50	22.15	0.00	23.50	20.15	19.92	19.53	0.00	21.00
			1	13	22.62	22.40	22.22	0.00	23.50	20.04	19.86	19.54	0.00	21.00
			1	23	22.67	22.45	22.11	0.00	23.50	20.11	19.91	19.51	0.00	21.00
			12	0	22.20	22.04	22.12	0.00	23.50	20.16	19.96	19.65	0.00	21.00
			12	7	22.70	22.53	22.22	0.00	23.50	20.11	19.94	19.61	0.00	21.00
			12	13	22.22	22.04	21.75	0.00	23.50	20.16	19.94	19.66	0.00	21.00
			25	0	22.28	22.04	21.76	0.00	23.50	20.17	20.00	19.63	0.00	21.00
		QPSK	1	1	22.80	22.56	22.26	0.00	23.50	20.24	20.03	19.62	0.00	21.00
			1	13	22.70	22.48	22.28	0.00	23.50	20.08	19.95	19.60	0.00	21.00
			1	23	22.73	22.54	22.23	0.00	23.50	20.17	20.00	19.61	0.00	21.00
			12	0	22.29	22.10	21.81	0.00	23.50	20.18	20.00	19.69	0.00	21.00
			12	7	22.74	22.50	22.27	0.00	23.50	20.14	19.94	19.68	0.00	21.00
			12	13	22.27	22.07	21.79	0.00	23.50	20.18	19.98	19.68	0.00	21.00
			25	0	22.27	22.08	21.79	0.00	23.50	20.15	19.95	19.66	0.00	21.00
		16QAM	1	1	22.37	22.10	21.79	0.00	23.50	20.17	19.99	19.64	0.00	21.00
		64QAM	1	1	21.03	20.82	20.50	2.00	21.50	20.38	20.18	19.86	0.00	21.00
		256QAM	1	1	18.31	18.11	17.84	4.00	19.50	18.25	18.06	17.79	2.00	19.00
	CP-OFDM	QPSK	1	1	21.83	21.57	21.31	1.00	22.50	20.23	20.03	19.68	0.00	21.00

NR Band n26 Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				
					DSI = 0, 1, 2, 3				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					164800	166300	167800		
					824 MHz	831.5 MHz	839 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	[redacted]	24.07	[redacted]	0.00	25.50
			1	53		24.38		0.00	25.50
			1	104		24.14		0.00	25.50
			50	0		23.38		0.50	25.00
			50	28		24.39		0.00	25.50
			50	56		23.31		0.50	25.00
			100	0		23.45		0.50	25.00
		QPSK	1	1		24.22		0.00	25.50
			1	53		24.46		0.00	25.50
			1	104		24.29		0.00	25.50
			50	0		23.39		1.00	24.50
			50	28		24.41		0.00	25.50
			50	56		23.36		1.00	24.50
			100	0		23.49		1.00	24.50
		16QAM	1	1		23.12		1.00	24.50
			1	53		23.48		1.00	24.50
			1	104		23.16		1.00	24.50
		64QAM	1	1		21.95		2.50	23.00
		256QAM	1	1		19.30		4.50	21.00
	CP-OFDM	QPSK	1	1		22.61		1.50	24.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					164300.00	166300.00	168300.00		
					821.5 MHz	831.5 MHz	841.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	[redacted]	24.11	[redacted]	0.00	25.50
			1	40		24.30		0.00	25.50
			1	77		24.13		0.00	25.50
			36	0		23.35		0.50	25.00
			36	22		24.32		0.00	25.50
			36	43		23.28		0.50	25.00
			75	0		23.37		0.50	25.00
		QPSK	1	1		24.29		0.00	25.50
			1	40		24.38		0.00	25.50
			1	77		24.28		0.00	25.50
			36	0		23.89		1.00	24.50
			36	22		24.46		0.00	25.50
			36	43		23.83		1.00	24.50
			75	0		24.32		1.00	24.50
		16QAM	1	1		23.15		1.00	24.50
		64QAM	1	1		21.89		2.50	23.00
		256QAM	1	1		19.32		4.50	21.00
	CP-OFDM	QPSK	1	1		22.68		1.50	24.00

NR Band n26 Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					163800.00	166300.00	168800.00		
					819 MHz	831.5 MHz	844 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1		24.03		0.00	25.50
			1	26		24.23		0.00	25.50
			1	50		24.13		0.00	25.50
			25	0		23.23		0.50	25.00
			25	14		24.31		0.00	25.50
			25	27		23.26		0.50	25.00
			50	0		23.28		0.50	25.00
		QPSK	1	1		24.11		0.00	25.50
			1	26		24.30		0.00	25.50
			1	50		24.24		0.00	25.50
			25	0		23.22		1.00	24.50
			25	14		24.30		0.00	25.50
			25	27		23.25		1.00	24.50
			50	0		23.33		1.00	24.50
		16QAM	1	1		23.07		1.00	24.50
		64QAM	1	1		21.83		2.50	23.00
		256QAM	1	1		19.20		4.50	21.00
	CP-OFDM	QPSK	1	1		22.55		1.50	24.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					163300.00	166300.00	169300.00		
					816.5 MHz	831.5 MHz	846.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.98	24.10	24.16	0.00	25.50
			1	13	24.06	24.23	24.13	0.00	25.50
			1	23	24.03	24.20	24.11	0.00	25.50
			12	0	23.13	23.23	23.26	0.50	25.00
			12	7	24.06	24.26	24.20	0.00	25.50
			12	13	23.15	23.30	23.20	0.50	25.00
			25	0	23.23	23.29	23.24	0.50	25.00
		QPSK	1	1	24.14	24.19	24.26	0.00	25.50
			1	13	24.29	24.31	24.24	0.00	25.50
			1	23	24.23	24.33	24.25	0.00	25.50
			12	0	23.15	23.23	23.26	1.00	24.50
			12	7	24.16	24.31	24.25	0.00	25.50
			12	13	23.22	23.27	23.23	1.00	24.50
			25	0	23.22	23.26	23.24	1.00	24.50
		16QAM	1	1	23.14	23.21	23.19	1.00	24.50
		64QAM	1	1	21.86	21.91	21.93	2.50	23.00
		256QAM	1	1	19.11	19.26	19.24	4.50	21.00
	CP-OFDM	QPSK	1	1	22.60	22.65	22.69	1.50	24.00

NR Band n30 (Ant B) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)								
					DSI = 2, 3					DSI = 0, 1			
					Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit
						462000					462000		
						2310 MHz					2310 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1		21.86		0.00	23.50		17.72	0.00	18.50
			1	26		22.16		0.00	23.50		17.71	0.00	18.50
			1	50		21.95		0.00	23.50		17.73	0.00	18.50
			25	0		21.79		0.50	23.00		17.75	0.00	18.50
			25	14		22.78		0.00	23.50		17.76	0.00	18.50
			25	27		21.78		0.50	23.00		17.76	0.00	18.50
			50	0		21.71		0.50	23.00		17.78	0.00	18.50
		QPSK	1	1		21.81		0.00	23.50		17.77	0.00	18.50
			1	26		22.12		0.00	23.50		17.78	0.00	18.50
			1	50		21.96		0.00	23.50		17.74	0.00	18.50
			25	0		21.84		1.00	22.50		17.78	0.00	18.50
			25	14		22.85		0.00	23.50		17.81	0.00	18.50
			25	27		21.87		1.00	22.50		17.72	0.00	18.50
			50	0		21.47		1.00	22.50		17.73	0.00	18.50
		16QAM	1	1		20.82		1.00	22.50		17.80	0.00	18.50
			1	26		21.18		1.00	22.50		17.78	0.00	18.50
			1	50		21.03		1.00	22.50		17.79	0.00	18.50
		64QAM	1	1		20.00		2.50	21.00		17.94	0.00	18.50
		256QAM	1	1		17.85		4.50	19.00		17.23	0.00	18.50
	CP-OFDM	QPSK	1	1		21.45		1.50	22.00		17.74	0.00	18.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					461500.00	462000.00	462500.00			461500.00	462000.00	462500.00		
					2307.5 MHz	2310 MHz	2312.5 MHz			2307.5 MHz	2310 MHz	2312.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.53	22.60	22.49	0.00	23.50	17.57	17.54	17.61	0.00	18.50
			1	13	22.62	22.62	22.11	0.00	23.50	17.60	17.66	17.69	0.00	18.50
			1	23	22.56	22.59	22.11	0.00	23.50	17.56	17.45	17.58	0.00	18.50
			12	0	21.68	21.70	21.68	0.50	23.00	17.68	17.65	17.73	0.00	18.50
			12	7	22.66	22.38	22.12	0.00	23.50	17.73	17.70	17.73	0.00	18.50
			12	13	21.65	21.72	21.40	0.50	23.00	17.68	17.64	17.72	0.00	18.50
			25	0	21.68	21.63	21.35	0.50	23.00	17.69	17.71	17.73	0.00	18.50
		QPSK	1	1	22.30	22.14	22.03	0.00	23.50	17.70	17.62	17.72	0.00	18.50
			1	13	22.20	22.04	21.69	0.00	23.50	17.73	17.73	17.73	0.00	18.50
			1	23	22.39	21.99	21.75	0.00	23.50	17.67	17.67	17.71	0.00	18.50
			12	0	21.64	21.68	21.39	1.00	22.50	17.71	17.73	17.77	0.00	18.50
			12	7	22.59	22.20	22.04	0.00	23.50	17.75	17.71	17.78	0.00	18.50
			12	13	21.78	21.43	21.28	1.00	22.50	17.74	17.70	17.75	0.00	18.50
			25	0	21.64	21.43	21.15	1.00	22.50	17.72	17.71	17.73	0.00	18.50
		16QAM	1	1	21.73	21.36	21.19	1.00	22.50	17.75	17.66	17.69	0.00	18.50
		64QAM	1	1	20.30	20.13	19.96	2.50	21.00	17.87	17.78	17.85	0.00	18.50
		256QAM	1	1	17.64	17.74	17.73	4.50	19.00	17.15	17.12	17.16	0.00	18.50
	CP-OFDM	QPSK	1	1	21.23	21.30	21.31	1.50	22.00	17.70	17.69	17.74	0.00	18.50

NR Band n30 (Ant F) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)								
					DSI = 2, 3					DSI = 0, 1			
					Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit
						462000					462000		
						2310 MHz					2310 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	[redacted]	22.61	[redacted]	0.00	23.50	[redacted]	20.52	[redacted]	0.00	21.50
			1	26		22.75		0.00	23.50		20.63		0.00	21.50
			1	50		22.67		0.00	23.50		20.60		0.00	21.50
			25	0		21.73		0.50	23.00		20.65		0.50	21.00
			25	14		22.70		0.00	23.50		20.66		0.00	21.50
			25	27		21.68		0.50	23.00		20.65		0.50	21.00
			50	0		21.71		0.50	23.00		20.65		0.50	21.00
		QPSK	1	1		22.71		0.00	23.50		20.65		0.00	21.50
			1	26		22.76		0.00	23.50		20.74		0.00	21.50
			1	50		22.74		0.00	23.50		20.69		0.00	21.50
			25	0		21.74		1.00	22.50		20.67		0.00	21.50
			25	14		22.76		0.00	23.50		20.70		0.00	21.50
			25	27		21.76		1.00	22.50		20.63		0.00	21.50
			50	0		21.75		1.00	22.50		20.68		0.00	21.50
		16QAM	1	1		21.83		1.00	22.50		20.67		0.00	21.50
			1	26		21.91		1.00	22.50		20.76		0.00	21.50
			1	50		21.85		1.00	22.50		20.74		0.00	21.50
		64QAM	1	1		20.45		2.50	21.00		20.45		0.00	21.50
		256QAM	1	1		17.66		4.50	19.00		17.67		3.00	18.50
	CP-OFDM	QPSK	1	1		21.30		1.50	22.00		20.68		0.00	21.50

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					461500.00	462000.00	462500.00			461500.00	462000.00	462500.00		
					2307.5 MHz	2310 MHz	2312.5 MHz			2307.5 MHz	2310 MHz	2312.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.51	22.72	22.67	0.00	23.50	20.45	20.54	20.58	0.00	21.50
			1	13	22.56	22.73	22.69	0.00	23.50	20.48	20.59	20.64	0.00	21.50
			1	23	22.63	22.66	22.65	0.00	23.50	20.52	20.55	20.55	0.00	21.50
			12	0	21.66	22.68	22.66	0.50	23.00	20.51	20.65	20.63	0.50	21.00
			12	7	22.65	21.75	22.71	0.00	23.50	20.54	20.70	20.69	0.00	21.50
			12	13	21.75	21.75	21.70	0.50	23.00	20.62	20.62	20.65	0.50	21.00
			25	0	21.72	21.79	21.68	0.50	23.00	20.62	20.67	20.68	0.50	21.00
		QPSK	1	1	22.58	22.77	22.68	0.00	23.50	20.54	20.69	20.68	0.00	21.50
			1	13	22.67	22.80	22.77	0.00	23.50	20.59	20.70	20.76	0.00	21.50
			1	23	22.64	22.70	22.65	0.00	23.50	20.61	20.61	20.61	0.00	21.50
			12	0	21.68	21.79	21.71	1.00	22.50	20.54	20.64	20.67	0.00	21.50
			12	7	22.70	22.84	22.75	0.00	23.50	20.56	20.70	20.69	0.00	21.50
			12	13	21.74	21.80	21.70	1.00	22.50	20.64	20.68	20.68	0.00	21.50
			25	0	21.73	21.77	21.72	1.00	22.50	20.65	20.67	20.68	0.00	21.50
		16QAM	1	1	21.70	21.78	21.79	0.00	23.50	20.58	20.75	20.72	0.00	21.50
		64QAM	1	1	20.35	20.52	20.50	2.50	21.00	20.37	20.44	20.44	0.00	21.50
		256QAM	1	1	17.64	17.76	17.71	4.50	19.00	17.61	17.72	17.74	3.50	18.00
	CP-OFDM	QPSK	1	1	21.27	21.30	21.35	1.50	22.00	20.54	20.65	20.69	0.00	21.50

NR Band n41 (SA mode Ant B) (Voice/data/SRS0) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)											
					DSI = 2, 3						DSI = 0, 1					
					Measured Pwr (dBm)			MPR	Tune-up Limit		Measured Pwr (dBm)			MPR	Tune-up Limit	
					509202	518598	528000				509202	518598	528000			
					2546.01 MHz	2592.99 MHz	2640 MHz				2546.01 MHz	2592.99 MHz	2640 MHz			
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1		20.15		0.00	21.00			17.07		0.00	18.00	
			1	137		19.74		0.00	21.00			16.61		0.00	18.00	
			1	271		19.45		0.00	21.00			16.36		0.00	18.00	
			135	0		19.95		0.00	21.00			16.82		0.00	18.00	
			135	69		19.71		0.00	21.00			16.65		0.00	18.00	
			135	138		19.48		0.00	21.00			16.45		0.00	18.00	
			270	0		19.74		0.00	21.00			16.68		0.00	18.00	
		QPSK	1	1		20.17		0.00	21.00			17.13		0.00	18.00	
			1	137		19.69		0.00	21.00			16.58		0.00	18.00	
			1	271		19.48		0.00	21.00			16.36		0.00	18.00	
			135	0		19.95		0.00	21.00			16.86		0.00	18.00	
			135	69		19.71		0.00	21.00			16.65		0.00	18.00	
			135	138		19.48		0.00	21.00			16.40		0.00	18.00	
			270	0		19.69		0.00	21.00			16.65		0.00	18.00	
		16QAM	1	1		20.15		0.00	21.00			17.07		0.00	18.00	
			1	137		19.67		0.00	21.00			16.55		0.00	18.00	
			1	271		19.49		0.00	21.00			16.35		0.00	18.00	
		64QAM	1	1		20.40		0.00	21.00			17.35		0.00	18.00	
		256QAM	1	1		20.12		0.00	21.00			17.32		0.00	18.00	
	CP-OFDM	QPSK	1	1		20.10		0.00	21.00			17.04		0.00	18.00	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					508200.00		528996.00			508200.00		528996.00		
					2541 MHz		2644.98 MHz			2541 MHz		2644.98 MHz		
90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.88		19.45	0.00	21.00	16.72		16.56	0.00	18.00
			1	123	20.06		19.39	0.00	21.00	16.94		16.47	0.00	18.00
			1	243	20.03		19.71	0.00	21.00	16.88		16.49	0.00	18.00
			120	0	20.00		19.43	0.00	21.00	16.89		16.47	0.00	18.00
			120	63	20.04		19.45	0.00	21.00	16.96		16.52	0.00	18.00
			120	125	20.02		19.55	0.00	21.00	16.98		16.54	0.00	18.00
			243	0	20.05		19.46	0.00	21.00	16.96		16.47	0.00	18.00
		QPSK	1	1	19.84		19.55	0.00	21.00	16.80		16.53	0.00	18.00
			1	123	19.97		19.42	0.00	21.00	16.91		16.51	0.00	18.00
			1	243	20.05		19.53	0.00	21.00	16.93		16.49	0.00	18.00
			120	0	20.00		19.43	0.00	21.00	16.90		16.46	0.00	18.00
			120	63	20.04		19.48	0.00	21.00	16.98		16.52	0.00	18.00
			120	125	20.02		19.52	0.00	21.00	17.00		16.48	0.00	18.00
			243	0	20.03		19.46	0.00	21.00	16.95		16.43	0.00	18.00
		16QAM	1	1	19.95		19.47	0.00	21.00	16.91		16.45	0.00	18.00
		64QAM	1	1	20.08		19.54	0.00	21.00	17.04		16.49	0.00	18.00
		256QAM	1	1	19.98		19.66	0.00	21.00	16.94		16.56	0.00	18.00
	CP-OFDM	QPSK	1	1	19.87		19.64	0.00	21.00	16.87		16.32	0.00	18.00

Notes:

NR Band n41 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n41 (SA mode Ant B) (Voice/data/SRS0) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					507204.00				529998.00			507204.00				529998.00		
					2536.02 MHz				2649.99 MHz			2536.02 MHz				2649.99 MHz		
80 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.85				19.42	0.00	21.00	16.83				16.39	0.00	18.00
			1	109	19.86				19.40	0.00	21.00	16.81				16.39	0.00	18.00
			1	215	19.92				19.56	0.00	21.00	16.82				16.41	0.00	18.00
			108	0	20.04				19.61	0.00	21.00	16.94				16.45	0.00	18.00
			108	55	19.99				19.42	0.00	21.00	16.92				16.54	0.00	18.00
			108	109	19.97				19.49	0.00	21.00	16.82				16.48	0.00	18.00
			216	0	20.02				19.57	0.00	21.00	16.88				16.40	0.00	18.00
		QPSK	1	1	19.93				19.32	0.00	21.00	16.87				16.41	0.00	18.00
			1	109	19.94				19.25	0.00	21.00	16.92				16.42	0.00	18.00
			1	215	19.86				19.55	0.00	21.00	16.85				16.47	0.00	18.00
			108	0	19.91				19.27	0.00	21.00	16.85				16.35	0.00	18.00
			108	55	19.94				19.36	0.00	21.00	16.85				16.38	0.00	18.00
			108	109	19.89				19.49	0.00	21.00	16.84				16.43	0.00	18.00
			216	0	19.96				19.40	0.00	21.00	16.91				16.44	0.00	18.00
		16QAM	1	1	19.89				19.56	0.00	21.00	16.86				16.42	0.00	18.00
		64QAM	1	1	19.84				19.60	0.00	21.00	16.79				16.43	0.00	18.00
		256QAM	1	1	20.22				19.52	0.00	21.00	17.26				16.46	0.00	18.00
	CP-OFDM	QPSK	1	1	19.84				19.52	0.00	21.00	16.72				16.52	0.00	18.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					506202.00				531000.00			506202.00				531000.00		
					2531.01 MHz				2655 MHz			2531.01 MHz				2655 MHz		
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.95				19.41	0.00	21.00	16.86				16.53	0.00	18.00
			1	95	20.05				19.54	0.00	21.00	16.91				16.76	0.00	18.00
			1	187	19.66				19.45	0.00	21.00	16.94				16.81	0.00	18.00
			90	0	19.94				19.48	0.00	21.00	16.86				16.60	0.00	18.00
			90	50	19.98				19.54	0.00	21.00	16.87				16.62	0.00	18.00
			90	99	19.95				19.53	0.00	21.00	16.85				16.65	0.00	18.00
			180	0	19.87				19.36	0.00	21.00	16.84				16.51	0.00	18.00
		QPSK	1	1	19.90				19.36	0.00	21.00	16.80				16.47	0.00	18.00
			1	95	20.01				19.34	0.00	21.00	16.81				16.46	0.00	18.00
			1	187	20.08				19.42	0.00	21.00	16.59				16.54	0.00	18.00
			90	0	19.68				19.45	0.00	21.00	16.90				16.55	0.00	18.00
			90	50	19.94				19.43	0.00	21.00	16.92				16.64	0.00	18.00
			90	99	19.92				19.51	0.00	21.00	16.73				16.62	0.00	18.00
			180	0	19.98				19.34	0.00	21.00	16.79				16.48	0.00	18.00
		16QAM	1	1	20.04				19.71	0.00	21.00	16.82				16.76	0.00	18.00
		64QAM	1	1	19.95				19.41	0.00	21.00	17.00				16.54	0.00	18.00
		256QAM	1	1	20.07				19.69	0.00	21.00	16.82				16.76	0.00	18.00
	CP-OFDM	QPSK	1	1	19.88				19.37	0.00	21.00	16.90				16.49	0.00	18.00

Notes:

NR Band n41 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n41 (SA mode Ant B) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					505200.00	518598.00	531996.00			505200.00	518598.00	531996.00		
					2526 MHz	2592.99 MHz	2659.98 MHz			2526 MHz	2592.99 MHz	2659.98 MHz		
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.19	20.15	19.62	0.00	21.00	17.10	16.81	16.69	0.00	18.00
			1	81	20.23	20.13	19.73	0.00	21.00	17.20	16.82	16.82	0.00	18.00
			1	160	20.27	20.21	19.87	0.00	21.00	17.24	16.60	16.85	0.00	18.00
			81	0	20.24	20.01	19.58	0.00	21.00	17.15	16.62	16.63	0.00	18.00
			81	41	20.20	20.04	19.73	0.00	21.00	17.19	16.85	16.73	0.00	18.00
			81	81	20.20	20.10	19.72	0.00	21.00	17.22	16.71	16.81	0.00	18.00
			162	0	20.22	19.84	19.67	0.00	21.00	17.18	16.83	16.71	0.00	18.00
		QPSK	1	1	20.12	19.21	19.61	0.00	21.00	17.10	17.14	16.62	0.00	18.00
			1	81	20.26	19.82	19.72	0.00	21.00	17.21	16.92	16.82	0.00	18.00
			1	160	20.30	19.59	19.89	0.00	21.00	17.23	16.63	16.94	0.00	18.00
			81	0	20.24	20.00	19.56	0.00	21.00	17.24	16.98	16.65	0.00	18.00
			81	41	20.26	19.84	19.74	0.00	21.00	17.25	16.84	16.69	0.00	18.00
			81	81	20.26	19.95	19.71	0.00	21.00	17.20	16.70	16.78	0.00	18.00
			162	0	20.23	19.92	19.72	0.00	21.00	17.21	16.85	16.70	0.00	18.00
		16QAM	1	1	20.12	19.87	19.88	0.00	21.00	17.05	17.63	16.69	0.00	18.00
		64QAM	1	1	20.28	20.22	19.93	0.00	21.00	17.12	17.08	16.69	0.00	18.00
		256QAM	1	1	20.20	20.07	19.88	0.00	21.00	17.15	17.06	16.74	0.00	18.00
	CP-OFDM	QPSK	1	1	20.06	19.88	19.53	0.00	21.00	16.93	17.16	16.50	0.00	18.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					504204.00	518598.00	532998.00			504204.00	518598.00	532998.00		
					2512.02 MHz	2592.99 MHz	2664.99 MHz			2512.02 MHz	2592.99 MHz	2664.99 MHz		
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.92	19.85	19.31	0.00	21.00	16.87	16.94	16.26	0.00	18.00
			1	67	20.07	19.72	19.49	0.00	21.00	17.00	16.76	16.45	0.00	18.00
			1	131	19.98	19.48	19.16	0.00	21.00	16.86	16.56	16.10	0.00	18.00
			64	0	19.96	19.66	19.44	0.00	21.00	16.93	16.68	16.34	0.00	18.00
			64	35	19.96	19.61	19.51	0.00	21.00	16.91	16.67	16.39	0.00	18.00
			64	69	19.70	18.91	18.99	0.00	21.00	16.58	15.93	16.40	0.00	18.00
			128	0	19.85	19.44	19.29	0.00	21.00	16.86	16.38	16.21	0.00	18.00
		QPSK	1	1	20.00	19.88	19.50	0.00	21.00	16.90	16.85	16.32	0.00	18.00
			1	67	20.08	19.65	19.56	0.00	21.00	17.05	16.64	16.24	0.00	18.00
			1	131	20.00	19.50	19.26	0.00	21.00	16.91	16.49	16.12	0.00	18.00
			64	0	20.01	19.69	19.57	0.00	21.00	16.98	16.67	16.43	0.00	18.00
			64	35	20.04	19.64	19.58	0.00	21.00	16.94	16.59	16.44	0.00	18.00
			64	69	20.05	18.93	19.05	0.00	21.00	16.65	15.89	15.88	0.00	18.00
			128	0	20.08	19.45	19.30	0.00	21.00	16.82	16.38	16.23	0.00	18.00
		16QAM	1	1	19.83	20.16	19.48	0.00	21.00	17.19	17.14	16.39	0.00	18.00
		64QAM	1	1	20.08	19.75	19.37	0.00	21.00	17.16	16.71	16.37	0.00	18.00
		256QAM	1	1	19.42	18.98	19.58	0.00	21.00	17.04	16.78	16.63	0.00	18.00
	CP-OFDM	QPSK	1	1	20.02	19.93	19.40	0.00	21.00	16.93	16.92	16.23	0.00	18.00

Notes:

NR Band n41 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n41 (SA mode Ant B) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					503202.00	513468.00		523734.00	534000.00			503202.00	513468.00		523734.00	534000.00		
					2516.01 MHz	2567.34 MHz		2618.67 MHz	2670 MHz			2516.01 MHz	2567.34 MHz		2618.67 MHz	2670 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.21	20.22		19.82	19.59	0.00	21.00	17.12	17.28		16.74	16.63	0.00	18.00
			1	53	20.19	20.04		19.62	19.71	0.00	21.00	17.12	17.28		16.67	16.77	0.00	18.00
			1	104	20.08	20.15		19.72	19.81	0.00	21.00	17.28	17.24		16.82	16.82	0.00	18.00
			50	0	20.03	20.04		19.65	19.60	0.00	21.00	16.95	17.06		16.67	16.63	0.00	18.00
			50	28	20.12	20.12		19.72	19.72	0.00	21.00	16.95	17.20		16.74	16.72	0.00	18.00
			50	56	20.25	20.21		19.68	19.67	0.00	21.00	16.94	17.13		16.51	16.51	0.00	18.00
			100	0	20.22	20.08		19.54	19.57	0.00	21.00	17.14	16.77		16.54	16.49	0.00	18.00
		QPSK	1	1	20.21	20.25		19.68	19.48	0.00	21.00	17.12	17.23		16.52	16.54	0.00	18.00
			1	53	20.28	20.24		19.72	19.62	0.00	21.00	17.24	17.31		16.87	16.76	0.00	18.00
			1	104	20.14	20.28		19.67	19.72	0.00	21.00	17.32	17.42		16.74	16.65	0.00	18.00
			50	0	20.02	20.09		19.82	19.82	0.00	21.00	16.98	17.07		16.67	16.63	0.00	18.00
			50	28	20.15	20.08		19.76	19.65	0.00	21.00	16.95	17.04		16.72	16.68	0.00	18.00
			50	56	20.15	20.14		19.64	19.63	0.00	21.00	17.01	16.67		16.65	16.62	0.00	18.00
			100	0	20.24	20.21		19.58	19.52	0.00	21.00	17.15	16.73		16.54	16.51	0.00	18.00
		16QAM	1	1	20.11	20.38		19.63	19.47	0.00	21.00	17.08	17.37		16.62	16.41	0.00	18.00
		64QAM	1	1	20.01	20.46		19.63	19.82	0.00	21.00	17.28	17.45		16.92	16.80	0.00	18.00
		256QAM	1	1	18.55	19.38		19.85	19.19	0.00	21.00	17.38	17.37		16.83	16.87	0.00	18.00
	CP-OFDM	QPSK	1	1	20.04	20.31		19.55	19.53	0.00	21.00	17.05	17.30		16.62	16.53	0.00	18.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					502200.00	510402.00	518598.00	526800.00	534996.00			502200.00	510402.00	518598.00	526800.00	534996.00		
					2511 MHz	2552.01 MHz	2592.99 MHz	2634 MHz	2674.98 MHz			2511 MHz	2552.01 MHz	2592.99 MHz	2634 MHz	2674.98 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.22	20.10	19.87	19.54	19.58	0.00	21.00	17.07	17.11	16.91	16.48	16.65	0.00	18.00
			1	39	20.20	20.25	19.71	19.75	19.76	0.00	21.00	17.21	17.29	16.79	16.49	16.81	0.00	18.00
			1	76	20.18	20.21	19.67	19.62	19.64	0.00	21.00	17.18	17.31	16.84	16.52	16.67	0.00	18.00
			36	0	20.02	20.09	19.62	19.57	19.62	0.00	21.00	17.02	17.08	16.80	16.41	16.64	0.00	18.00
			36	21	20.21	20.12	19.76	19.76	19.75	0.00	21.00	17.10	17.12	16.82	16.42	16.67	0.00	18.00
			36	42	20.34	20.21	19.67	19.67	19.72	0.00	21.00	17.21	17.24	16.79	16.48	16.72	0.00	18.00
			75	0	20.13	19.80	19.51	19.38	19.43	0.00	21.00	17.28	17.31	16.53	16.35	16.45	0.00	18.00
		QPSK	1	1	20.21	20.13	19.92	19.56	19.70	0.00	21.00	17.16	17.15	16.92	16.43	16.71	0.00	18.00
			1	39	20.18	20.15	19.79	19.68	19.67	0.00	21.00	17.21	17.32	16.87	16.48	16.78	0.00	18.00
			1	76	20.24	20.09	19.76	19.65	19.65	0.00	21.00	17.28	17.28	16.82	16.51	16.65	0.00	18.00
			36	0	20.07	20.11	19.68	19.47	19.62	0.00	21.00	17.12	17.05	16.78	16.38	16.56	0.00	18.00
			36	21	20.21	20.18	19.56	19.54	19.58	0.00	21.00	17.08	17.21	16.82	16.32	16.62	0.00	18.00
			36	42	20.15	19.54	19.75	19.50	19.31	0.00	21.00	17.21	17.15	16.35	16.48	16.72	0.00	18.00
			75	0	20.14	19.83	19.52	19.54	19.42	0.00	21.00	17.18	17.21	16.54	16.38	16.65	0.00	18.00
		16QAM	1	1	19.94	19.40	19.82	19.78	19.49	0.00	21.00	17.28	17.21	16.91	16.73	16.75	0.00	18.00
		64QAM	1	1	18.75	18.58	19.95	19.60	19.43	0.00	21.00	17.17	17.10	16.92	16.60	16.05	0.00	18.00
		256QAM	1	1	18.56	18.55	19.16	19.69	19.31	0.00	21.00	17.30	17.48	16.90	16.69	16.20	0.00	18.00
	CP-OFDM	QPSK	1	1	20.05	19.52	19.86	19.46	19.63	0.00	21.00	16.97	17.01	16.78	16.48	16.61	0.00	18.00

Notes:

NR Band n41 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n41 (SA mode Ant B) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					501204.00	509898.00	518598.00	527298.00	535998.00			501204.00	509898.00	518598.00	527298.00	535998.00		
					2506.02 MHz	2549.49 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz			2506.02 MHz	2549.49 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.04	20.08	19.78	19.24	19.49	0.00	21.00	16.99	17.22	16.74	16.41	16.48	0.00	18.00
			1	26	19.99	19.98	19.67	19.19	19.54	0.00	21.00	16.94	17.09	16.68	16.25	16.52	0.00	18.00
			1	49	20.08	20.06	19.61	19.27	19.61	0.00	21.00	17.03	17.18	16.59	16.37	16.54	0.00	18.00
			25	0	20.07	20.05	19.69	19.31	19.57	0.00	21.00	17.02	17.09	16.68	16.32	16.49	0.00	18.00
			25	13	20.01	20.09	19.68	19.26	19.67	0.00	21.00	16.95	17.11	16.67	16.28	16.56	0.00	18.00
			25	26	20.07	20.09	19.57	19.28	19.61	0.00	21.00	17.01	17.02	16.51	16.28	16.55	0.00	18.00
			50	0	20.02	20.15	19.65	19.28	19.64	0.00	21.00	16.96	17.08	16.61	16.33	16.57	0.00	18.00
		QPSK	1	1	20.04	20.11	19.72	19.25	19.58	0.00	21.00	16.97	17.07	16.68	16.31	16.45	0.00	18.00
			1	26	19.91	20.01	19.59	19.18	19.57	0.00	21.00	16.85	17.01	16.58	16.20	16.53	0.00	18.00
			1	49	20.08	20.13	19.53	19.32	19.66	0.00	21.00	17.01	17.09	16.52	16.32	16.59	0.00	18.00
			25	0	20.04	20.04	19.72	19.31	19.52	0.00	21.00	16.97	17.01	16.62	16.28	16.47	0.00	18.00
			25	13	20.03	20.14	19.65	19.26	19.59	0.00	21.00	16.94	17.06	16.64	16.29	16.57	0.00	18.00
			25	26	20.12	20.07	19.51	19.27	19.62	0.00	21.00	17.01	17.03	16.49	16.28	16.59	0.00	18.00
			50	0	20.07	20.11	19.65	19.32	19.64	0.00	21.00	16.99	17.06	16.64	16.26	16.58	0.00	18.00
		16QAM	1	1	19.95	20.20	19.99	19.44	19.92	0.00	21.00	16.96	16.91	17.01	16.46	16.94	0.00	18.00
		64QAM	1	1	18.99	20.31	20.03	19.28	19.47	0.00	21.00	17.07	17.21	16.95	16.25	16.45	0.00	18.00
		256QAM	1	1	18.57	20.55	19.83	19.37	19.52	0.00	21.00	17.26	17.15	16.84	16.39	16.51	0.00	18.00
	CP-OFDM	QPSK	1	1	19.98	20.09	19.65	19.37	19.45	0.00	21.00	16.97	17.12	16.66	16.38	16.47	0.00	18.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					500700.00	509652.00	518598.00	527550.00	536496.00			500700.00	509652.00	518598.00	527550.00	536496.00		
					2503.5 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz			2503.5 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.15	20.08	19.79	19.44	19.58	0.00	21.00	17.04	17.11	16.74	16.45	16.48	0.00	18.00
			1	19	20.02	20.04	19.69	19.27	19.65	0.00	21.00	16.94	17.09	16.63	16.33	16.53	0.00	18.00
			1	36	20.11	20.13	19.66	19.44	19.72	0.00	21.00	17.03	17.19	16.59	16.51	16.64	0.00	18.00
			18	0	20.15	20.07	19.77	19.38	19.69	0.00	21.00	17.09	17.07	16.74	16.34	16.62	0.00	18.00
			18	10	20.09	20.12	19.68	19.29	19.68	0.00	21.00	17.02	17.12	16.67	16.27	16.58	0.00	18.00
			18	20	20.11	20.13	19.59	19.30	19.64	0.00	21.00	17.06	17.09	16.54	16.28	16.60	0.00	18.00
			36	0	20.08	20.12	19.74	19.37	19.67	0.00	21.00	17.03	17.15	16.67	16.33	16.58	0.00	18.00
		QPSK	1	1	20.22	20.14	19.87	19.40	19.62	0.00	21.00	17.12	17.09	16.74	16.36	16.54	0.00	18.00
			1	19	20.10	20.10	19.70	19.28	19.63	0.00	21.00	16.99	17.04	16.60	16.25	16.59	0.00	18.00
			1	36	20.08	20.17	19.65	19.46	19.67	0.00	21.00	17.02	17.17	16.55	16.40	16.65	0.00	18.00
			18	0	20.14	20.08	19.74	19.34	19.69	0.00	21.00	17.07	17.04	16.73	16.33	16.64	0.00	18.00
			18	10	20.04	20.16	19.72	19.31	19.58	0.00	21.00	17.05	17.08	16.66	16.30	16.55	0.00	18.00
			18	20	20.10	20.13	19.61	19.34	19.62	0.00	21.00	17.06	17.12	16.59	16.31	16.58	0.00	18.00
			36	0	20.06	20.18	19.69	19.33	19.62	0.00	21.00	17.01	17.12	16.64	16.28	16.62	0.00	18.00
		16QAM	1	1	20.03	20.06	19.74	19.50	19.65	0.00	21.00	16.97	17.11	16.78	16.52	16.69	0.00	18.00
		64QAM	1	1	19.64	20.15	19.85	19.51	19.38	0.00	21.00	17.12	17.07	16.82	16.51	16.36	0.00	18.00
		256QAM	1	1	18.51	19.72	20.10	19.56	19.66	0.00	21.00	17.28	17.39	17.08	16.55	16.67	0.00	18.00
	CP-OFDM	QPSK	1	1	20.04	20.01	19.59	19.32	19.50	0.00	21.00	17.03	17.07	16.64	16.32	16.53	0.00	18.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					500202.00	509400.00	518598.00	527802.00	537000.00			500202.00	509400.00	518598.00	527802.00	537000.00		
					2501.01 MHz	2547 MHz	2592.99 MHz	2639.01 MHz	2685 MHz			2501.01 MHz	2547 MHz	2592.99 MHz	2639.01 MHz	2685 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.02	19.94	19.65	19.22	19.61	0.00	21.00	16.98	16.99	16.61	16.27	16.53	0.00	18.00
			1	12	20.03	19.97	19.62	19.29	19.63	0.00	21.00	16.97	17.04	16.58	16.39	16.57	0.00	18.00
			1	22	20.02	19.99	19.62	19.34	19.66	0.00	21.00	16.99	17.01	16.61	16.41	16.57	0.00	18.00
			12	0	19.95	19.97	19.65	19.24	19.55	0.00	21.00	16.88	16.98	16.59	16.23	16.47	0.00	18.00
			12	6	19.92	20.11	19.63	19.31	19.57	0.00	21.00	16.89	17.04	16.57	16.38	16.51	0.00	18.00
			12	12	19.91	20.10	19.63	19.34	19.61	0.00	21.00	16.89	17.11	16.62	16.33	16.57	0.00	18.00
			24	0	19.92	20.04	19.62	19.37	19.57	0.00	21.00	16.84	17.09	16.57	16.35	16.55	0.00	18.00
		QPSK	1	1	19.91	20.05	19.66	19.28	19.62	0.00	21.00	16.82	17.02	16.63	16.23	16.58	0.00	18.00
			1	12	19.94	20.13	19.63	19.33	19.57	0.00	21.00	16.83	17.11	16.64	16.36	16.58	0.00	18.00
			1	22	19.96	20.12	19.62	19.40	19.66	0.00	21.00	16.86	17.10	16.62	16.34	16.58	0.00	18.00
			12	0	19.95	19.99	19.60	19.22	19.55	0.00	21.00	16.87	16.95	16.62	16.17	16.54	0.00	18.00
			12	6	19.92	20.08	19.64	19.33	19.58	0.00	21.00	16.88	17.07	16.58	16.35	16.54	0.00	18.00
			12	12	19.94	20.06	19.62	19.34	19.58	0.00	21.00	16.89	17.07	16.61	16.37	16.55	0.00	18.00
			24	0	19.89	20.05	19.62	19.35	19.54	0.00	21.00	16.88	17.03	16.61	16.34	16.53	0.00	18.00
		16QAM	1	1	19.91	19.74	19.66	19.56	19.82	0.00	21.00	16.88	16.76	16.74	16.59	16.79	0.00	18.00
		64QAM	1	1	19.94	20.21	19.36	19.24	19.64	0.00	21.00	16.89	17.25	16.35	16.25	16.61	0.00	18.00
		256QAM	1	1	18.82	19.69	19.79	19.41	19.66	0.00	21.00	17.17	17.15	16.78	16.43	16.69	0.00	18.00
	CP-OFDM	QPSK	1	1	19.75	19.94	19.48	19.21	19.48	0.00	21.00	16.77	16.85	16.52	16.32	16.45	0.00	18.00

Notes:

NR Band n41 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n41 (SA mode Ant F) (SRS1) Measured Results

BW (MHz)	Modulation	Mode	Maximum Allowed Average Power (dBm)														
			DSI =2, 3							DSI =0, 1							
			Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			509202		518598		528000			509202		518598		528000		
			2546.01 MHz		2592.99 MHz		2640 MHz			2546.01 MHz		2592.99 MHz		2640 MHz		
100 MHz	DFT-s-OFDM	SRS CW			19.79			0.00	21.00			18.67			0.00	20.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			508200.00				528996.00			508200.00				528996.00		
			2541 MHz				2644.98 MHz			2541 MHz				2644.98 MHz		
90 MHz	DFT-s-OFDM	SRS CW	20.28				20.07	0.00	21.00	19.01				18.85	0.00	20.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			507204.00				529998.00			507204.00				529998.00		
			2536.02 MHz				2649.99 MHz			2536.02 MHz				2649.99 MHz		
80 MHz	DFT-s-OFDM	SRS CW	20.35				19.97	0.00	21.00	18.79				18.51	0.00	20.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			526202.00				531000.00			526202.00				531000.00		
			2631.01 MHz				2655 MHz			2631.01 MHz				2655 MHz		
70 MHz	DFT-s-OFDM	SRS CW	20.25				20.07	0.00	21.00	18.73				18.53	0.00	20.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			505200.00		518598.00		531996.00			505200.00		518598.00		531996.00		
			2526 MHz		2592.99 MHz		2659.98 MHz			2526 MHz		2592.99 MHz		2659.98 MHz		
60 MHz	DFT-s-OFDM	SRS CW	20.42		20.41		20.09	0.00	21.00	18.94		18.83		18.59	0.00	20.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			504204.00		518598.00		532998.00			504204.00		518598.00		532998.00		
			2512.02 MHz		2592.99 MHz		2664.99 MHz			2512.02 MHz		2592.99 MHz		2664.99 MHz		
50 MHz	DFT-s-OFDM	SRS CW	20.62		20.49		20.25	0.00	21.00	19.15		19.05		18.87	0.00	20.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			503202.00	513468.00		523734.00	534000.00			503202.00	513468.00		523734.00	534000.00		
			2516.01 MHz	2567.34 MHz		2618.67 MHz	2670 MHz			2516.01 MHz	2567.34 MHz		2618.67 MHz	2670 MHz		
40 MHz	DFT-s-OFDM	SRS CW	20.65	20.60		20.26	20.31	0.00	21.00	19.25	19.16		18.81	18.63	0.00	20.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			502200.00	510402.00	518598.00	526800.00	534996.00			502200.00	510402.00	518598.00	526800.00	534996.00		
			2511 MHz	2552.01 MHz	2592.99 MHz	2634 MHz	2674.98 MHz			2511 MHz	2552.01 MHz	2592.99 MHz	2634 MHz	2674.98 MHz		
30 MHz	DFT-s-OFDM	SRS CW	20.73	20.65	20.42	20.29	20.28	0.00	21.00	18.96	18.86	18.87	18.79	18.92	0.00	20.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			501204.00	509898.00	518598.00	527298.00	535998.00			501204.00	509898.00	518598.00	527298.00	535998.00		
			2506.02 MHz	2549.49 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz			2506.02 MHz	2549.49 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz		
20 MHz	DFT-s-OFDM	SRS CW	20.61	20.52	20.42	20.21	20.22	0.00	21.00	19.19	19.12	19.01	18.76	18.92	0.00	20.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			500700.00	509652.00	518598.00	527550.00	536496.00			500700.00	509652.00	518598.00	527550.00	536496.00		
			2503.5 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz			2503.5 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz		
15 MHz	DFT-s-OFDM	SRS CW	20.63	20.52	20.40	20.20	20.16	0.00	21.00	19.23	19.19	19.36	19.21	19.14	0.00	20.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			500202.00	509400.00	518598.00	527802.00	537000.00			500202.00	509400.00	518598.00	527802.00	537000.00		
			2501.01 MHz	2547 MHz	2592.99 MHz	2639.01 MHz	2685 MHz			2501.01 MHz	2547 MHz	2592.99 MHz	2639.01 MHz	2685 MHz		
10 MHz	DFT-s-OFDM	SRS CW	20.50	20.43	20.31	20.11	20.13	0.00	21.00	19.52	19.49	19.36	19.15	19.16	0.00	20.00

Notes:

NR Band n41 (SRS1) were measured output power through FTM mode provided by manufacturer.

NR Band n41 (SA mode Ant C) (SRS2) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)					
		DSI =0, 1, 2, 3					
		Measured Pwr (dBm)					Tune-up Limit
		509202		518598		528000	
		2546.01 MHz		2592.99 MHz		2640 MHz	
100 MHz	SRS CW			12.21			13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		508200.00				528996.00	
		2541 MHz				2644.98 MHz	
90 MHz	SRS CW	12.35				12.10	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		507204.00				529998.00	
		2536.02 MHz				2649.99 MHz	
80 MHz	SRS CW	12.26				12.08	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		526202.00				531000.00	
		2631.01 MHz				2655 MHz	
70 MHz	SRS CW	12.13				12.18	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		505200.00		518598.00		531996.00	
		2526 MHz		2592.99 MHz		2659.98 MHz	
60 MHz	SRS CW	12.25		12.43		12.18	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		503202.00	513468.00		523734.00	534000.00	
		2516.01 MHz	2567.34 MHz		2618.67 MHz	2670 MHz	
50 MHz	SRS CW	12.20		12.49		12.28	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		503202.00	513468.00		523734.00	534000.00	
		2516.01 MHz	2567.34 MHz		2618.67 MHz	2670 MHz	
40 MHz	SRS CW	12.29	12.73		12.38	12.40	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		502200.00	510402.00	518598.00	526800.00	534996.00	
		2511 MHz	2552.01 MHz	2592.99 MHz	2634 MHz	2674.98 MHz	
30 MHz	SRS CW	12.25	12.73	12.52	12.38	12.40	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		501204.00	509898.00	518598.00	527298.00	535998.00	
		2506.02 MHz	2549.49 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz	
20 MHz	SRS CW	12.15	12.60	12.52	12.23	12.33	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		500700.00	509652.00	518598.00	527550.00	536496.00	
		2503.5 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz	
15 MHz	SRS CW	12.17	12.59	12.54	12.22	12.27	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		500202.00	509400.00	518598.00	527802.00	537000.00	
		2501.01 MHz	2547 MHz	2592.99 MHz	2639.01 MHz	2685 MHz	
10 MHz	SRS CW	11.90	12.49	12.40	12.22	12.18	13.00

Notes:

NR Band n41 (SRS2) & NR Band n41-NSA (SRS3) were measured output power through FTM mode provided by manufacturer.

NR Band n41 (SA mode Ant H) (SRS3) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)					
		DSI = 0, 1, 3, 4					
		Measured Pwr (dBm)					Tune-up Limit
		509202.00		518598.00		528000.00	
		2546.01 MHz		2592.99 MHz		2640 MHz	
100 MHz	SRS CW			11.12			13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		508200.00				528996.00	
		2541 MHz				2644.98 MHz	
90 MHz	SRS CW	11.15				11.67	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		507204.00				529998.00	
		2536.02 MHz				2649.99 MHz	
80 MHz	SRS CW	11.17				11.70	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		526202.00				531000.00	
		2631.01 MHz				2655 MHz	
70 MHz	SRS CW	11.20				11.87	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		505200.00		518598.00		531996.00	
		2526 MHz		2592.99 MHz		2659.98 MHz	
60 MHz	SRS CW	11.37		11.25		11.98	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		504204.00		518598.00		532998.00	
		2512.02 MHz		2592.99 MHz		2664.99 MHz	
50 MHz	SRS CW	11.59		11.36		12.06	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		503202.00	513468.00		523734.00	534000.00	
		2516.01 MHz	2567.34 MHz		2618.67 MHz	2670 MHz	
40 MHz	SRS CW	11.82	11.38		11.44	12.28	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		502200.00	510402.00	518598.00	526800.00	534996.00	
		2511 MHz	2552.01 MHz	2592.99 MHz	2634 MHz	2674.98 MHz	
30 MHz	SRS CW	11.93	11.46	11.45	11.64	12.38	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		501204.00	509898.00	518598.00	527298.00	535998.00	
		2506.02 MHz	2549.49 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz	
20 MHz	SRS CW	11.88	11.32	11.37	11.61	12.28	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		500700.00	509652.00	518598.00	527550.00	536496.00	
		2503.5 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz	
15 MHz	SRS CW	11.98	11.40	11.39	11.58	12.31	13.00
BW (MHz)	Mode	Measured Pwr (dBm)					Tune-up Limit
		500202.00	509400.00	518598.00	527802.00	537000.00	
		2501.01 MHz	2547 MHz	2592.99 MHz	2639.01 MHz	2685 MHz	
10 MHz	SRS CW	11.88	11.31	11.19	11.50	12.32	13.00

Notes:

NR Band n41 (SRS3) & NR Band n41-NSA (SRS2) were measured output power through FTM mode provided by manufacturer.

NR Band n41 (NSA mode Ant F) (Voice/data/SRS0) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)											
					DSI = 2, 3						DSI = 0, 1					
					Measured Pwr (dBm)			MPR	Tune-up Limit		Measured Pwr (dBm)			MPR	Tune-up Limit	
					509202	518598	528000				509202	518598	528000			
					2546.01 MHz	2592.99 MHz	2640 MHz				2546.01 MHz	2592.99 MHz	2640 MHz			
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1		20.14		0.00	21.00			18.97		0.00	20.00	
			1	137		19.89		0.00	21.00			18.77		0.00	20.00	
			1	271		19.73		0.00	21.00			18.59		0.00	20.00	
			135	0		20.01		0.00	21.00			18.94		0.00	20.00	
			135	69		19.94		0.00	21.00			18.79		0.00	20.00	
			135	138		19.73		0.00	21.00			18.65		0.00	20.00	
			270	0		19.73		0.00	21.00			18.84		0.00	20.00	
		QPSK	1	1		20.09		0.00	21.00			19.00		0.00	20.00	
			1	137		19.91		0.00	21.00			18.81		0.00	20.00	
			1	271		19.67		0.00	21.00			18.98		0.00	20.00	
			135	0		20.02		0.00	21.00			18.88		0.00	20.00	
			135	69		19.89		0.00	21.00			18.69		0.00	20.00	
			135	138		19.71		0.00	21.00			18.87		0.00	20.00	
			270	0		19.90		0.00	21.00			19.23		0.00	20.00	
		16QAM	1	1		20.08		0.00	21.00			19.20		0.00	20.00	
			1	137		19.77		0.00	21.00			18.94		0.00	20.00	
			1	271		19.67		0.00	21.00			18.74		0.00	20.00	
		64QAM	1	1		20.05		0.00	21.00			19.16		0.00	20.00	
		256QAM	1	1		20.23		0.00	21.00			19.41		0.00	20.00	
	CP-OFDM	QPSK	1	1		20.27		0.00	21.00			19.00		0.00	20.00	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					508200.00		528996.00			508200.00		528996.00		
					2541 MHz		2644.98 MHz			2541 MHz		2644.98 MHz		
90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.01		19.77	0.00	21.00	18.91		18.70	0.00	20.00
			1	123	19.98		19.66	0.00	21.00	18.84		18.58	0.00	20.00
			1	243	19.87		19.60	0.00	21.00	18.83		18.56	0.00	20.00
			120	0	19.90		19.64	0.00	21.00	18.87		18.60	0.00	20.00
			120	63	19.93		19.70	0.00	21.00	18.84		18.72	0.00	20.00
			120	125	19.95		19.64	0.00	21.00	18.79		18.66	0.00	20.00
			243	0	19.82		19.65	0.00	21.00	18.86		18.69	0.00	20.00
		QPSK	1	1	19.98		19.74	0.00	21.00	18.88		18.68	0.00	20.00
			1	123	19.97		19.70	0.00	21.00	18.79		18.66	0.00	20.00
			1	243	19.88		19.72	0.00	21.00	18.82		18.56	0.00	20.00
			120	0	19.98		19.60	0.00	21.00	18.84		18.60	0.00	20.00
			120	63	19.96		19.66	0.00	21.00	18.89		18.69	0.00	20.00
			120	125	19.85		19.63	0.00	21.00	18.79		18.66	0.00	20.00
			243	0	19.93		19.69	0.00	21.00	18.83		18.68	0.00	20.00
		16QAM	1	1	19.97		19.77	0.00	21.00	18.87		18.74	0.00	20.00
		64QAM	1	1	20.11		19.84	0.00	21.00	18.90		18.78	0.00	20.00
		256QAM	1	1	20.30		19.87	0.00	21.00	19.19		18.83	0.00	20.00
	CP-OFDM	QPSK	1	1	19.77		19.73	0.00	21.00	19.06		18.67	0.00	20.00

Notes:

NR Band n41 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n41 (NSA mode Ant F) (Voice/data/SRS0) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					507204.00				529998.00			507204.00				529998.00		
					2536.02 MHz				2649.99 MHz			2536.02 MHz				2649.99 MHz		
80 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.93				19.68	0.00	21.00	19.00				18.66	0.00	20.00
			1	109	19.88				19.69	0.00	21.00	18.95				18.63	0.00	20.00
			1	215	19.80				19.59	0.00	21.00	18.88				18.58	0.00	20.00
			108	0	19.93				19.68	0.00	21.00	18.96				18.75	0.00	20.00
			108	55	19.98				19.66	0.00	21.00	18.99				18.64	0.00	20.00
			108	109	19.91				19.62	0.00	21.00	18.93				18.66	0.00	20.00
			216	0	19.92				19.67	0.00	21.00	18.95				18.67	0.00	20.00
		QPSK	1	1	19.98				19.78	0.00	21.00	19.02				18.59	0.00	20.00
			1	109	19.88				19.67	0.00	21.00	19.01				18.58	0.00	20.00
			1	215	19.85				19.60	0.00	21.00	18.87				18.55	0.00	20.00
			108	0	19.90				19.76	0.00	21.00	18.92				18.70	0.00	20.00
			108	55	19.94				19.68	0.00	21.00	18.96				18.67	0.00	20.00
			108	109	19.92				19.62	0.00	21.00	18.95				18.64	0.00	20.00
			216	0	19.95				19.70	0.00	21.00	18.93				18.63	0.00	20.00
		16QAM	1	1	20.01				19.62	0.00	21.00	18.83				18.72	0.00	20.00
		64QAM	1	1	20.05				19.72	0.00	21.00	19.29				18.71	0.00	20.00
		256QAM	1	1	19.90				19.94	0.00	21.00	18.99				18.88	0.00	20.00
	CP-OFDM	QPSK	1	1	19.89				19.57	0.00	21.00	18.93				18.66	0.00	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					506202.00				531000.00			506202.00				531000.00		
					2531.01 MHz				2655 MHz			2531.01 MHz				2655 MHz		
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.99				19.67	0.00	21.00	19.12				18.66	0.00	20.00
			1	95	19.87				19.64	0.00	21.00	18.91				18.73	0.00	20.00
			1	187	19.94				19.50	0.00	21.00	19.05				18.71	0.00	20.00
			90	0	19.97				19.68	0.00	21.00	18.96				18.72	0.00	20.00
			90	50	19.90				19.71	0.00	21.00	18.89				18.74	0.00	20.00
			90	99	19.98				19.61	0.00	21.00	19.00				18.63	0.00	20.00
			180	0	19.94				19.77	0.00	21.00	19.00				18.75	0.00	20.00
		QPSK	1	1	20.04				19.64	0.00	21.00	18.99				18.70	0.00	20.00
			1	95	19.96				19.71	0.00	21.00	18.87				18.75	0.00	20.00
			1	187	20.04				19.60	0.00	21.00	18.88				18.56	0.00	20.00
			90	0	19.97				19.66	0.00	21.00	18.96				18.64	0.00	20.00
			90	50	19.88				19.75	0.00	21.00	18.92				18.74	0.00	20.00
			90	99	19.97				19.63	0.00	21.00	19.00				18.64	0.00	20.00
			180	0	19.99				19.71	0.00	21.00	19.00				18.77	0.00	20.00
		16QAM	1	1	19.82				19.74	0.00	21.00	19.17				18.73	0.00	20.00
		64QAM	1	1	20.15				19.72	0.00	21.00	19.09				18.75	0.00	20.00
		256QAM	1	1	20.11				19.93	0.00	21.00	19.21				18.80	0.00	20.00
	CP-OFDM	QPSK	1	1	19.79				19.77	0.00	21.00	19.05				18.64	0.00	20.00

Notes:

NR Band n41 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n41 (NSA mode Ant F) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					505200.00	518598.00	531996.00			505200.00	518598.00	531996.00		
					2526 MHz	2592.99 MHz	2659.98 MHz			2526 MHz	2592.99 MHz	2659.98 MHz		
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.10	19.99	19.71	0.00	21.00	19.27	19.19	18.81	0.00	20.00
			1	81	20.07	19.94	19.67	0.00	21.00	19.18	19.04	18.79	0.00	20.00
			1	160	20.05	19.77	19.66	0.00	21.00	19.15	18.90	18.82	0.00	20.00
			81	0	20.03	19.92	19.68	0.00	21.00	19.15	19.05	18.77	0.00	20.00
			81	41	19.98	19.94	19.66	0.00	21.00	19.08	19.07	18.73	0.00	20.00
			81	81	19.93	19.89	19.71	0.00	21.00	19.03	19.00	18.82	0.00	20.00
			162	0	19.98	19.93	19.68	0.00	21.00	19.13	19.07	18.75	0.00	20.00
		QPSK	1	1	20.07	20.16	19.75	0.00	21.00	19.26	19.23	18.84	0.00	20.00
			1	81	19.92	19.96	19.64	0.00	21.00	19.19	19.12	18.86	0.00	20.00
			1	160	19.94	19.86	19.71	0.00	21.00	19.20	18.99	18.87	0.00	20.00
			81	0	20.06	19.87	19.70	0.00	21.00	19.18	19.02	18.78	0.00	20.00
			81	41	19.97	19.92	19.66	0.00	21.00	19.08	19.03	18.77	0.00	20.00
			81	81	19.94	19.83	19.76	0.00	21.00	19.06	18.96	18.82	0.00	20.00
			162	0	19.97	19.93	19.65	0.00	21.00	19.07	19.04	18.79	0.00	20.00
		16QAM	1	1	20.28	19.92	19.28	0.00	21.00	19.30	19.11	18.67	0.00	20.00
		64QAM	1	1	20.10	20.02	19.70	0.00	21.00	19.24	19.24	18.81	0.00	20.00
		256QAM	1	1	20.07	20.23	19.94	0.00	21.00	19.66	19.33	18.79	0.00	20.00
	CP-OFDM	QPSK	1	1	19.98	19.95	19.91	0.00	21.00	19.28	18.97	18.63	0.00	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					504204.00	518598.00	532998.00			504204.00	518598.00	532998.00		
					2512.02 MHz	2592.99 MHz	2664.99 MHz			2512.02 MHz	2592.99 MHz	2664.99 MHz		
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.26	20.12	19.83	0.00	21.00	19.16	18.99	18.87	0.00	20.00
			1	67	20.13	19.99	19.83	0.00	21.00	19.08	18.83	18.80	0.00	20.00
			1	131	20.03	19.99	19.81	0.00	21.00	18.95	18.86	18.84	0.00	20.00
			64	0	20.26	20.00	19.79	0.00	21.00	19.18	18.93	18.80	0.00	20.00
			64	35	20.21	20.04	19.80	0.00	21.00	19.12	18.99	18.76	0.00	20.00
			64	69	20.12	19.97	19.81	0.00	21.00	19.05	18.93	18.78	0.00	20.00
			128	0	20.22	20.03	19.80	0.00	21.00	19.18	19.00	18.81	0.00	20.00
		QPSK	1	1	20.22	20.12	19.90	0.00	21.00	19.19	19.08	18.88	0.00	20.00
			1	67	20.13	19.94	19.90	0.00	21.00	19.05	18.88	18.93	0.00	20.00
			1	131	20.07	19.93	19.92	0.00	21.00	19.03	18.93	18.92	0.00	20.00
			64	0	20.22	19.95	19.80	0.00	21.00	19.15	19.06	18.80	0.00	20.00
			64	35	20.18	20.05	19.81	0.00	21.00	19.12	19.10	18.76	0.00	20.00
			64	69	20.10	19.96	19.80	0.00	21.00	19.05	19.01	18.81	0.00	20.00
			128	0	20.14	20.04	19.84	0.00	21.00	19.15	19.03	18.78	0.00	20.00
		16QAM	1	1	20.10	20.04	19.93	0.00	21.00	19.15	19.08	18.87	0.00	20.00
		64QAM	1	1	20.20	20.16	20.04	0.00	21.00	19.23	19.16	19.05	0.00	20.00
		256QAM	1	1	20.37	19.89	19.90	0.00	21.00	19.41	18.89	18.90	0.00	20.00
	CP-OFDM	QPSK	1	1	20.19	20.00	19.71	0.00	21.00	19.19	18.96	18.70	0.00	20.00

Notes:

NR Band n41 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n41 (NSA mode Ant F) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					503202.00	513468.00		523734.00	534000.00			503202.00	513468.00		523734.00	534000.00		
					2516.01 MHz	2567.34 MHz		2618.67 MHz	2670 MHz			2516.01 MHz	2567.34 MHz		2618.67 MHz	2670 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.49	20.44		19.97	19.98	0.00	21.00	19.40	19.45		18.84	18.89	0.00	20.00
			1	53	20.33	20.16		19.76	19.88	0.00	21.00	19.23	19.20		18.66	18.82	0.00	20.00
			1	104	20.36	20.23		20.02	19.91	0.00	21.00	19.33	19.21		18.90	18.84	0.00	20.00
			50	0	20.29	20.29		19.87	19.86	0.00	21.00	19.28	19.25		18.79	18.81	0.00	20.00
			50	28	20.30	20.17		19.77	19.89	0.00	21.00	19.21	19.22		18.66	18.83	0.00	20.00
			50	56	20.29	20.22		19.92	19.94	0.00	21.00	19.25	19.18		18.82	18.92	0.00	20.00
			100	0	20.27	20.20		19.92	19.93	0.00	21.00	19.23	19.23		18.80	18.87	0.00	20.00
		QPSK	1	1	20.42	20.32		19.95	19.92	0.00	21.00	19.35	19.36		18.88	18.94	0.00	20.00
			1	53	20.20	20.11		19.72	19.88	0.00	21.00	19.19	19.15		18.62	18.90	0.00	20.00
			1	104	20.31	20.16		19.96	19.86	0.00	21.00	19.32	19.19		18.88	18.86	0.00	20.00
			50	0	20.29	20.22		19.81	19.87	0.00	21.00	19.29	19.28		18.70	18.88	0.00	20.00
			50	28	20.25	20.14		19.78	19.85	0.00	21.00	19.26	19.14		18.72	18.86	0.00	20.00
			50	56	20.60	20.18		19.90	19.92	0.00	21.00	19.24	19.20		18.80	18.91	0.00	20.00
			100	0	20.30	20.20		19.93	19.93	0.00	21.00	19.25	19.22		18.85	18.88	0.00	20.00
		16QAM	1	1	20.40	20.66		20.11	20.07	0.00	21.00	19.22	19.62		19.08	19.04	0.00	20.00
		64QAM	1	1	20.31	20.46		20.00	20.10	0.00	21.00	19.22	19.50		18.98	19.13	0.00	20.00
		256QAM	1	1	20.37	20.32		20.23	20.03	0.00	21.00	19.28	19.41		19.16	19.02	0.00	20.00
	CP-OFDM	QPSK	1	1	20.37	20.18		19.99	19.83	0.00	21.00	19.22	19.23		18.95	18.83	0.00	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					502200.00	510402.00	518598.00	526800.00	534996.00			502200.00	510402.00	518598.00	526800.00	534996.00		
					2511 MHz	2552.01 MHz	2592.99 MHz	2634 MHz	2674.98 MHz			2511 MHz	2552.01 MHz	2592.99 MHz	2634 MHz	2674.98 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.32	20.28	20.16	19.93	20.07	0.00	21.00	19.35	19.23	19.20	18.92	19.07	0.00	20.00
			1	39	20.20	20.19	20.05	19.86	19.94	0.00	21.00	19.24	19.21	19.06	18.81	18.94	0.00	20.00
			1	76	20.31	20.22	20.10	20.05	20.06	0.00	21.00	19.34	19.20	19.08	19.04	19.03	0.00	20.00
			36	0	20.23	20.15	20.08	19.88	19.95	0.00	21.00	19.23	19.15	19.05	18.88	18.96	0.00	20.00
			36	21	20.22	20.20	20.00	19.87	19.89	0.00	21.00	19.22	19.15	19.02	18.85	18.85	0.00	20.00
			36	42	20.24	20.16	20.04	20.00	20.00	0.00	21.00	19.23	19.21	19.06	18.98	18.97	0.00	20.00
			75	0	20.30	20.20	20.08	19.88	19.93	0.00	21.00	19.23	19.23	19.00	18.91	18.94	0.00	20.00
		QPSK	1	1	20.26	20.21	20.13	19.90	19.94	0.00	21.00	19.33	19.16	19.06	18.86	18.99	0.00	20.00
			1	39	20.19	20.15	20.04	19.87	19.90	0.00	21.00	19.20	19.13	19.16	18.84	18.87	0.00	20.00
			1	76	20.24	20.19	20.11	20.10	20.00	0.00	21.00	19.38	19.20	19.05	19.03	18.98	0.00	20.00
			36	0	20.27	20.25	20.03	19.93	19.96	0.00	21.00	19.16	19.14	19.08	18.91	18.95	0.00	20.00
			36	21	20.25	20.20	20.00	19.83	19.90	0.00	21.00	19.17	19.16	19.07	18.88	18.98	0.00	20.00
			36	42	20.29	20.22	20.03	19.95	20.03	0.00	21.00	19.21	19.16	19.02	18.93	19.00	0.00	20.00
			75	0	20.28	20.20	20.07	19.90	19.90	0.00	21.00	19.24	19.19	18.98	18.88	18.90	0.00	20.00
		16QAM	1	1	20.55	20.20	20.27	19.80	20.08	0.00	21.00	19.56	19.13	19.24	18.79	18.99	0.00	20.00
		64QAM	1	1	20.27	20.41	20.15	19.83	19.94	0.00	21.00	19.23	19.40	19.10	18.80	18.92	0.00	20.00
		256QAM	1	1	20.66	20.30	20.28	20.03	19.98	0.00	21.00	19.62	19.28	19.25	19.04	19.03	0.00	20.00
	CP-OFDM	QPSK	1	1	20.18	20.24	20.14	19.75	20.00	0.00	21.00	19.14	19.27	19.17	18.71	18.88	0.00	20.00

Notes:

NR Band n41 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n41 (NSA mode Ant F) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					501204.00	509898.00	518598.00	527298.00	535998.00			501204.00	509898.00	518598.00	527298.00	535998.00		
					2506.02 MHz	2549.49 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz			2506.02 MHz	2549.49 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.28	20.20	20.13	19.92	19.86	0.00	21.00	19.37	19.20	19.20	18.91	19.02	0.00	20.00
			1	26	20.20	20.17	20.02	19.87	19.79	0.00	21.00	19.26	19.11	19.04	18.87	18.88	0.00	20.00
			1	49	20.23	20.16	20.08	19.97	19.70	0.00	21.00	19.30	19.13	18.99	18.88	18.89	0.00	20.00
			25	0	20.26	20.15	20.13	19.86	19.81	0.00	21.00	19.35	19.10	19.08	18.85	18.85	0.00	20.00
			25	13	20.20	20.17	20.10	19.93	19.80	0.00	21.00	19.26	19.17	19.04	18.89	18.84	0.00	20.00
			25	26	20.18	20.13	20.09	19.88	19.81	0.00	21.00	19.37	19.11	19.05	18.87	18.84	0.00	20.00
			50	0	20.25	20.22	20.12	19.90	19.82	0.00	21.00	19.31	19.18	19.09	18.89	18.92	0.00	20.00
		QPSK	1	1	20.29	20.22	20.22	19.87	19.86	0.00	21.00	19.24	19.25	19.18	18.90	18.92	0.00	20.00
			1	26	20.19	20.16	20.07	19.87	19.81	0.00	21.00	19.11	19.21	19.13	18.80	18.90	0.00	20.00
			1	49	20.22	20.18	20.04	19.98	19.74	0.00	21.00	19.14	19.20	19.08	18.91	18.84	0.00	20.00
			25	0	20.22	20.08	20.10	19.80	19.82	0.00	21.00	19.18	19.12	19.10	18.78	18.86	0.00	20.00
			25	13	20.18	20.13	20.06	19.88	19.84	0.00	21.00	19.09	19.17	19.07	18.84	18.90	0.00	20.00
			25	26	20.22	20.20	20.07	19.84	19.81	0.00	21.00	19.10	19.10	19.00	18.85	18.89	0.00	20.00
			50	0	20.23	20.19	20.15	19.93	19.85	0.00	21.00	19.12	19.16	19.06	18.83	18.75	0.00	20.00
		16QAM	1	1	20.39	20.46	20.11	20.04	19.80	0.00	21.00	19.28	19.48	19.09	19.08	18.67	0.00	20.00
		64QAM	1	1	20.26	20.23	20.32	19.97	20.05	0.00	21.00	19.13	19.23	19.33	18.96	19.05	0.00	20.00
		256QAM	1	1	20.55	20.26	20.31	20.12	20.21	0.00	21.00	19.50	19.26	19.23	19.06	19.21	0.00	20.00
	CP-OFDM	QPSK	1	1	20.24	20.06	20.11	19.87	19.93	0.00	21.00	19.15	19.08	19.08	18.82	18.78	0.00	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					500700.00	509652.00	518598.00	527550.00	536496.00			500700.00	509652.00	518598.00	527550.00	536496.00		
					2503.5 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz			2503.5 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.22	20.23	20.11	19.82	19.94	0.00	21.00	19.28	19.19	19.08	18.91	18.97	0.00	20.00
			1	19	20.14	20.15	20.09	19.81	19.82	0.00	21.00	19.15	19.14	18.95	18.84	18.77	0.00	20.00
			1	36	20.17	20.17	19.98	19.78	19.81	0.00	21.00	19.21	19.18	18.98	18.87	18.79	0.00	20.00
			18	0	20.20	20.08	20.04	19.77	19.85	0.00	21.00	19.17	19.08	19.05	18.75	18.80	0.00	20.00
			18	10	20.13	20.12	19.97	19.81	19.88	0.00	21.00	19.16	19.12	19.00	18.82	18.86	0.00	20.00
			18	20	20.12	20.09	20.40	19.83	19.81	0.00	21.00	19.17	19.07	18.95	18.77	18.84	0.00	20.00
			36	0	20.13	20.12	20.03	19.86	19.84	0.00	21.00	19.18	19.11	19.01	18.79	18.78	0.00	20.00
		QPSK	1	1	20.25	20.14	20.14	19.82	19.99	0.00	21.00	19.25	19.11	19.18	18.81	18.88	0.00	20.00
			1	19	20.15	20.02	20.00	19.76	19.85	0.00	21.00	19.08	19.02	19.04	18.77	18.79	0.00	20.00
			1	36	20.15	20.04	20.04	19.78	19.87	0.00	21.00	19.16	19.09	19.01	18.79	18.76	0.00	20.00
			18	0	20.16	20.05	20.80	19.84	19.92	0.00	21.00	19.20	19.08	19.04	18.72	18.81	0.00	20.00
			18	10	20.13	20.09	19.97	19.81	19.80	0.00	21.00	19.18	19.05	18.98	18.77	18.76	0.00	20.00
			18	20	20.13	20.12	19.96	19.73	19.76	0.00	21.00	19.17	19.06	19.01	18.75	18.73	0.00	20.00
			36	0	20.13	20.15	20.01	19.80	19.85	0.00	21.00	19.16	19.12	19.02	18.82	18.77	0.00	20.00
		16QAM	1	1	20.09	20.06	20.16	19.84	19.91	0.00	21.00	19.15	19.10	19.22	18.80	18.89	0.00	20.00
		64QAM	1	1	20.23	20.11	20.18	19.85	19.99	0.00	21.00	19.33	19.15	19.15	18.84	19.00	0.00	20.00
		256QAM	1	1	20.27	20.40	20.17	19.96	20.06	0.00	21.00	19.37	19.41	19.17	18.97	19.12	0.00	20.00
	CP-OFDM	QPSK	1	1	20.37	20.12	20.00	19.71	19.86	0.00	21.00	19.53	19.05	19.02	18.69	18.80	0.00	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					500202.00	509400.00	518598.00	527802.00	537000.00			500202.00	509400.00	518598.00	527802.00	537000.00		
					2501.01 MHz	2547 MHz	2592.99 MHz	2639.01 MHz	2685 MHz			2501.01 MHz	2547 MHz	2592.99 MHz	2639.01 MHz	2685 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.16	20.06	19.96	19.88	19.78	0.00	21.00	19.15	19.11	18.88	18.88	18.82	0.00	20.00
			1	12	20.12	20.08	20.05	19.87	19.82	0.00	21.00	19.13	19.15	19.00	18.84	18.87	0.00	20.00
			1	22	20.16	20.09	20.03	19.86	19.85	0.00	21.00	19.09	19.13	19.02	18.92	18.88	0.00	20.00
			12	0	20.11	20.01	19.90	19.90	19.76	0.00	21.00	19.15	19.00	19.04	18.78	18.73	0.00	20.00
			12	6	20.15	20.06	20.00	19.79	19.84	0.00	21.00	19.13	19.11	18.98	18.75	18.72	0.00	20.00
			12	12	20.16	20.15	20.02	19.74	19.85	0.00	21.00	19.17	19.12	18.94	18.77	18.81	0.00	20.00
			24	0	20.14	20.12	19.99	19.77	19.86	0.00	21.00	19.16	19.10	19.00	18.76	18.76	0.00	20.00
		QPSK	1	1	20.23	20.03	20.01	19.87	19.77	0.00	21.00	19.23	19.00	18.89	18.85	18.75	0.00	20.00
			1	12	20.20	20.17	19.98	19.40	19.78	0.00	21.00	19.19	19.04	19.00	18.77	18.80	0.00	20.00
			1	22	20.20	20.18	20.02	19.50	19.80	0.00	21.00	19.17	19.13	19.05	18.91	18.82	0.00	20.00
			12	0	20.14	20.07	19.89	19.40	19.88	0.00	21.00	19.12	18.99	18.84	18.75	18.74	0.00	20.00
			12	6	20.15	20.09	19.97	19.77	19.88	0.00	21.00	19.16	19.10	18.97	18.71	18.83	0.00	20.00
			12	12	20.16	20.11	19.96	19.77	19.84	0.00	21.00	19.19	19.09	18.98	18.78	18.84	0.00	20.00
			24	0	20.14	20.23	20.00	19.77	19.71	0.00	21.00	19.11	19.11	19.16	18.77	18.71	0.00	20.00
		16QAM	1	1	20.09	20.07	20.14	19.76	19.77	0.00	21.00	19.09	19.23	19.11	19.00	18.69	0.00	20.00
		64QAM	1	1	20.21	19.97	19.71	19.77	19.72	0.00	21.00	19.23	19.16	18.72	18.89	18.71	0.00	20.00
		256QAM	1	1	20.40	20.30	19.86	19.97	19.98	0.00	21.00	19.43	19.11	18.81	18.72	18.91	0.00	20.00
	CP-OFDM	QPSK	1	1	20.13	19.90	19.84	19.73	19.78	0.00	21.00	19.15	18.99	18.80	18.67	18.81	0.00	20.00

Notes:

NR Band n41 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n41 (NSA mode Ant B) (SRS1) Measured Results

BW (MHz)	Modulation	Mode	Maximum Allowed Average Power (dBm)														
			DSI =2, 3							DSI =0, 1							
			Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			509202		518598		528000			509202		518598		528000		
			2546.01 MHz		2592.99 MHz		2640 MHz			2546.01 MHz		2592.99 MHz		2640 MHz		
100 MHz	DFT-s-OFDM	SRS CW			19.69			0.00	21.00			16.67			0.00	18.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			508200.00				528996.00			508200.00				528996.00		
			2541 MHz				2644.98 MHz			2541 MHz				2644.98 MHz		
90 MHz	DFT-s-OFDM	SRS CW	19.90				19.37	0.00	21.00	16.93				16.39	0.00	18.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			507204.00				529998.00			507204.00				529998.00		
			2536.02 MHz				2649.99 MHz			2536.02 MHz				2649.99 MHz		
80 MHz	DFT-s-OFDM	SRS CW	19.87				19.37	0.00	21.00	16.84				16.41	0.00	18.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			526202.00				531000.00			526202.00				531000.00		
			2631.01 MHz				2655 MHz			2631.01 MHz				2655 MHz		
70 MHz	DFT-s-OFDM	SRS CW	19.83				19.51	0.00	21.00	16.74				16.43	0.00	18.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			505200.00		518598.00		531996.00			505200.00		518598.00		531996.00		
			2526 MHz		2592.99 MHz		2659.98 MHz			2526 MHz		2592.99 MHz		2659.98 MHz		
60 MHz	DFT-s-OFDM	SRS CW	19.95		19.56		19.57	0.00	21.00	16.94		16.58		16.50	0.00	18.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			504204.00		518598.00		532998.00			504204.00		518598.00		532998.00		
			2512.02 MHz		2592.99 MHz		2664.99 MHz			2512.02 MHz		2592.99 MHz		2664.99 MHz		
50 MHz	DFT-s-OFDM	SRS CW	20.08		19.66		19.60	0.00	21.00	17.05		16.60		16.58	0.00	18.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			503202.00	513468.00		523734.00	534000.00			503202.00	513468.00		523734.00	534000.00		
			2516.01 MHz	2567.34 MHz		2618.67 MHz	2670 MHz			2516.01 MHz	2567.34 MHz		2618.67 MHz	2670 MHz		
40 MHz	DFT-s-OFDM	SRS CW	20.16	20.04		19.54	19.78	0.00	21.00	17.19	16.99		16.53	16.80	0.00	18.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			502200.00	510402.00	518598.00	526800.00	534996.00			502200.00	510402.00	518598.00	526800.00	534996.00		
			2511 MHz	2552.01 MHz	2592.99 MHz	2634 MHz	2674.98 MHz			2511 MHz	2552.01 MHz	2592.99 MHz	2634 MHz	2674.98 MHz		
30 MHz	DFT-s-OFDM	SRS CW	20.22	20.18	19.72	19.55	19.87	0.00	21.00	17.21	17.18	16.67	16.55	16.82	0.00	18.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			501204.00	509898.00	518598.00	527298.00	535998.00			501204.00	509898.00	518598.00	527298.00	535998.00		
			2506.02 MHz	2549.49 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz			2506.02 MHz	2549.49 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz		
20 MHz	DFT-s-OFDM	SRS CW	20.14	20.14	19.68	19.36	19.77	0.00	21.00	17.10	17.10	16.68	16.36	16.76	0.00	18.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			500700.00	509652.00	518598.00	527550.00	536496.00			500700.00	509652.00	518598.00	527550.00	536496.00		
			2503.5 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz			2503.5 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz		
15 MHz	DFT-s-OFDM	SRS CW	20.17	20.17	19.69	19.37	19.83	0.00	21.00	17.12	17.13	16.66	16.37	16.78	0.00	18.00
BW (MHz)	Modulation	Mode	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
			500202.00	509400.00	518598.00	527802.00	537000.00			500202.00	509400.00	518598.00	527802.00	537000.00		
			2501.01 MHz	2547 MHz	2592.99 MHz	2639.01 MHz	2685 MHz			2501.01 MHz	2547 MHz	2592.99 MHz	2639.01 MHz	2685 MHz		
10 MHz	DFT-s-OFDM	SRS CW	19.99	20.10	19.61	19.37	19.72	0.00	21.00	16.99	17.07	16.56	16.37	16.72	0.00	18.00

Notes:

1. NR Band n41 (SRS1) were measured output power through FTM mode provided by manufacturer.
2. For SRS2 and SRS3 of NR Band n41-NSA, Please refer to output power of SRS2 and SRS3 of NR Band n41-SA. (NR band n41-NSA SRS2 = NR Band n41-SA SRS3, NR Band n41-NSA SRS3 = NR Bans n41-SA SAR2)

NR Band n48 (SA mode Ant F) (Voice/data/SRS0) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)											
					DSI = 2, 3						DSI = 0, 1					
					Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit
					638000	641666	[redacted]	645332			638000	641666	[redacted]	645332		
					3570 MHz	3624.99 MHz		3679.98 MHz			3570 MHz	3624.99 MHz		3679.98 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.48	19.53		19.34	0.00	20.00	18.15	18.07		18.25	0.00	19.00
			1	53	19.39	19.56		19.44	0.00	20.00	18.13	18.03		18.32	0.00	19.00
			1	104	19.37	19.54		19.60	0.00	20.00	18.13	18.02		18.46	0.00	19.00
			50	0	19.48	19.61		19.47	0.00	20.00	18.16	18.07		18.26	0.00	19.00
			50	28	19.61	19.61		19.62	0.00	20.00	18.12	18.10		18.33	0.00	19.00
			50	56	19.40	19.48		19.60	0.00	20.00	18.03	18.08		18.30	0.00	19.00
			100	0	19.46	19.64		19.51	0.00	20.00	18.12	18.10		18.13	0.00	19.00
		QPSK	1	1	19.59	19.68		19.50	0.00	20.00	18.07	18.22		18.16	0.00	19.00
			1	53	19.50	19.65		19.62	0.00	20.00	18.07	18.17		18.19	0.00	19.00
			1	104	19.52	19.58		19.73	0.00	20.00	18.07	18.26		18.32	0.00	19.00
			50	0	19.53	19.64		19.55	0.00	20.00	18.12	18.22		18.12	0.00	19.00
			50	28	19.45	19.65		19.66	0.00	20.00	18.06	18.19		18.17	0.00	19.00
			50	56	19.34	19.55		19.65	0.00	20.00	18.15	18.22		18.23	0.00	19.00
			100	0	19.42	19.65		19.55	0.00	20.00	18.15	18.22		18.05	0.00	19.00
		16QAM	1	1	19.60	19.31		19.53	0.00	20.00	18.06	18.27		18.02	0.00	19.00
			1	53	19.75	19.25		19.57	0.00	20.00	18.03	18.28		18.09	0.00	19.00
			1	104	18.99	19.24		19.61	0.00	20.00	17.92	18.33		18.19	0.00	19.00
		64QAM	1	1	19.54	19.72		19.58	0.00	20.00	18.21	18.35		18.16	0.00	19.00
		256QAM	1	1	18.71	19.20		18.91	0.00	20.00	18.12	18.30		18.34	0.00	19.00
	CP-OFDM	QPSK	1	1	19.55	19.74		19.65	0.00	20.00	18.14	18.21		18.23	0.00	19.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit
					637668	640334	643000	645666			637668	640334	643000	645666		
					3565.02 MHz	3605.01 MHz	3645 MHz	3684.99 MHz			3565.02 MHz	3605.01 MHz	3645 MHz	3684.99 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.62	19.10	19.21	19.42	0.00	20.00	18.33	18.12	18.33	18.40	0.00	19.00
			1	39	19.58	19.29	19.19	19.45	0.00	20.00	18.28	17.98	18.19	18.51	0.00	19.00
			1	76	19.30	19.11	19.32	19.46	0.00	20.00	18.14	18.04	18.18	18.50	0.00	19.00
			36	0	19.48	19.22	19.18	19.35	0.00	20.00	18.22	18.12	18.26	18.35	0.00	19.00
			36	21	19.42	19.05	19.16	19.45	0.00	20.00	18.20	18.00	18.04	18.46	0.00	19.00
			36	42	19.27	19.00	19.18	19.44	0.00	20.00	18.09	17.98	18.04	18.45	0.00	19.00
			75	0	19.43	19.11	19.18	19.49	0.00	20.00	18.17	18.09	18.09	18.40	0.00	19.00
		QPSK	1	1	19.34	19.30	19.24	19.39	0.00	20.00	18.28	18.25	18.24	18.32	0.00	19.00
			1	39	19.27	19.11	19.20	19.47	0.00	20.00	18.19	18.07	18.02	18.45	0.00	19.00
			1	76	19.12	19.16	19.36	19.47	0.00	20.00	18.12	18.01	18.21	18.46	0.00	19.00
			36	0	19.27	19.20	19.17	19.32	0.00	20.00	18.22	18.19	18.14	18.36	0.00	19.00
			36	21	19.29	19.07	19.19	19.43	0.00	20.00	18.21	18.09	18.16	18.47	0.00	19.00
			36	42	19.08	19.07	19.15	19.39	0.00	20.00	18.08	18.06	18.12	18.46	0.00	19.00
			75	0	19.24	19.08	19.23	19.43	0.00	20.00	18.15	18.07	18.12	18.47	0.00	19.00
		16QAM	1	1	19.23	19.34	19.56	19.45	0.00	20.00	18.00	18.01	18.44	18.40	0.00	19.00
		64QAM	1	1	19.00	19.28	19.44	19.45	0.00	20.00	18.48	18.00	18.43	18.00	0.00	19.00
		256QAM	1	1	19.27	19.45	18.80	18.87	0.00	20.00	18.57	18.49	18.53	18.73	0.00	19.00
	CP-OFDM	QPSK	1	1	19.44	19.41	19.36	19.45	0.00	20.00	18.30	18.47	18.31	18.57	0.00	19.00

Notes:

NR Band n48 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n48 (SA mode Ant F) (Voice/data/SRS0) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit
					637334.00	640222.00	643112.00	646000.00			637334.00	643112.00	646000.00	529998.00		
					3560.01 MHz	3603.33 MHz	3646.68 MHz	3690 MHz			3560.01 MHz	3646.68 MHz	3690 MHz	2649.99 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.47	19.29	19.26	19.58	0.00	20.00	18.27	18.19	18.12	18.32	0.00	19.00
			1	26	19.41	19.12	19.21	19.59	0.00	20.00	18.26	18.02	18.08	18.27	0.00	19.00
			1	49	19.44	19.21	19.35	19.62	0.00	20.00	18.30	18.06	18.26	18.40	0.00	19.00
			25	0	19.54	19.29	19.45	19.54	0.00	20.00	18.19	18.08	18.26	18.35	0.00	19.00
			25	13	19.54	19.25	19.32	19.58	0.00	20.00	18.21	18.04	18.07	18.29	0.00	19.00
			25	26	19.55	19.33	19.43	19.61	0.00	20.00	18.23	18.08	18.23	18.41	0.00	19.00
			50	0	19.51	19.25	19.32	19.61	0.00	20.00	18.21	18.04	18.12	18.35	0.00	19.00
		QPSK	1	1	19.55	19.48	19.34	19.62	0.00	20.00	18.24	18.11	18.06	18.41	0.00	19.00
			1	26	19.44	19.31	19.28	19.53	0.00	20.00	18.18	17.96	18.01	18.40	0.00	19.00
			1	49	19.56	19.37	19.42	19.65	0.00	20.00	18.23	18.02	18.24	18.48	0.00	19.00
			25	0	19.57	19.40	19.16	19.62	0.00	20.00	18.19	18.13	18.09	18.33	0.00	19.00
			25	13	19.55	19.31	19.22	19.60	0.00	20.00	18.19	18.01	18.02	18.38	0.00	19.00
			25	26	19.60	19.37	19.35	19.59	0.00	20.00	18.22	18.02	18.19	18.39	0.00	19.00
			50	0	19.59	19.37	19.26	19.61	0.00	20.00	18.19	18.06	18.08	18.36	0.00	19.00
		16QAM	1	1	19.61	19.07	19.17	19.56	0.00	20.00	18.10	18.25	17.99	18.29	0.00	19.00
		64QAM	1	1	19.92	19.61	19.38	19.81	0.00	20.00	18.40	18.23	18.09	18.42	0.00	19.00
		256QAM	1	1	18.99	18.82	18.87	19.22	0.00	20.00	18.39	18.42	18.21	18.25	0.00	19.00
	CP-OFDM	QPSK	1	1	19.57	19.51	19.32	19.66	0.00	20.00	18.17	18.34	18.16	18.25	0.00	19.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit
					637168.00	640166.00	643166.00	646166.00			637168.00	640166.00	643166.00	646166.00		
					3557.52 MHz	3602.49 MHz	3647.49 MHz	3692.49 MHz			3557.52 MHz	3602.49 MHz	3647.49 MHz	3692.49 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.29	19.07	19.14	19.18	0.00	20.00	18.25	17.99	17.90	18.39	0.00	19.00
			1	26	19.34	19.05	19.28	19.33	0.00	20.00	18.35	17.98	18.17	18.51	0.00	19.00
			1	49	19.27	19.15	19.25	19.19	0.00	20.00	18.20	18.08	18.15	18.37	0.00	19.00
			25	0	19.38	19.14	19.15	19.23	0.00	20.00	18.29	18.11	18.02	18.36	0.00	19.00
			25	13	19.42	19.03	19.23	19.27	0.00	20.00	18.27	18.03	18.08	18.41	0.00	19.00
			25	26	18.99	19.11	19.26	18.89	0.00	20.00	18.31	18.07	18.12	18.04	0.00	19.00
			50	0	19.20	19.15	19.28	19.13	0.00	20.00	18.11	18.05	18.08	18.20	0.00	19.00
		QPSK	1	1	19.35	19.19	19.27	19.34	0.00	20.00	18.21	18.15	18.07	18.39	0.00	19.00
			1	26	19.39	19.17	19.41	19.44	0.00	20.00	18.26	18.07	18.25	18.04	0.00	19.00
			1	49	19.29	19.24	19.38	19.33	0.00	20.00	18.29	18.15	18.26	18.20	0.00	19.00
			25	0	19.34	19.21	19.29	19.38	0.00	20.00	18.28	18.12	18.08	18.12	0.00	19.00
			25	13	19.35	19.18	19.26	19.41	0.00	20.00	18.27	18.04	18.10	18.21	0.00	19.00
			25	26	18.82	19.27	19.31	19.03	0.00	20.00	17.95	18.08	18.11	18.35	0.00	19.00
			50	0	18.99	19.25	19.33	19.19	0.00	20.00	18.14	18.07	18.08	18.36	0.00	19.00
		16QAM	1	1	19.21	19.25	18.98	19.59	0.00	20.00	17.95	18.12	18.14	18.29	0.00	19.00
		64QAM	1	1	19.18	19.48	19.29	19.66	0.00	20.00	18.36	18.28	18.18	18.42	0.00	19.00
		256QAM	1	1	18.89	18.81	18.68	19.01	0.00	20.00	18.36	18.36	18.21	18.25	0.00	19.00
	CP-OFDM	QPSK	1	1	19.41	19.37	19.15	19.46	0.00	20.00	18.31	18.17	18.24	18.18	0.00	19.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit
					637000	640110	643222	646332			637000	640110	643222	646332		
					3555 MHz	3601.65 MHz	3648.33 MHz	3694.98 MHz			3555 MHz	3601.65 MHz	3648.33 MHz	3694.98 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	18.4	18.0	18.2	18.2	0.0	19.0	19.3	19.3	18.9	19.2	0.0	20.0
			1	12	18.2	18.1	18.2	18.2	0.0	19.0	19.2	19.4	19.0	19.4	0.0	20.0
			1	22	18.2	18.1	18.2	18.4	0.0	19.0	19.3	19.0	19.1	19.2	0.0	20.0
			12	0	18.3	18.0	18.1	18.3	0.0	19.0	19.9	19.0	19.0	19.2	0.0	20.0
			12	6	18.2	18.1	18.1	18.3	0.0	19.0	19.3	19.3	19.4	19.7	0.0	20.0
			12	12	18.2	18.1	18.1	18.0	0.0	19.0	19.3	19.4	19.2	19.2	0.0	20.0
			24	0	18.2	18.1	18.1	18.1	0.0	19.0	19.4	19.3	18.9	19.5	0.0	20.0
		QPSK	1	1	18.3	18.0	18.1	18.0	0.0	19.0	19.3	19.4	19.2	19.5	0.0	20.0
			1	12	18.2	18.1	18.1	18.1	0.0	19.0	19.3	19.4	19.1	19.3	0.0	20.0
			1	22	18.2	18.1	18.1	18.2	0.0	19.0	19.0	19.2	19.1	19.4	0.0	20.0
			12	0	18.3	18.1	18.0	18.0	0.0	19.0	19.4	19.2	19.1	19.4	0.0	20.0
			12	6	18.2	18.1	18.1	18.0	0.0	19.0	19.5	19.2	19.0	19.5	0.0	20.0
			12	12	18.2	18.0	18.1	18.0	0.0	19.0	19.4	19.0	19.1	19.0	0.0	20.0
			24	0	18.3	18.1	18.0	18.0	0.0	19.0	19.3	19.2	19.5	19.3	0.0	20.0
		16QAM	1	1	18.2	17.9	17.9	17.8	0.0	19.0	19.3	19.4	19.6	19.3	0.0	20.0
		64QAM	1	1	18.5	18.1	18.1	18.0	0.0	19.0	19.7	19.2	19.0	19.4	0.0	20.0
		256QAM	1	1	18.5	18.2	18.2	18.1	0.0	19.0	19.0	18.6	19.4	18.6	0.0	20.0
	CP-OFDM	QPSK	1	1	18.3	18.1	18.2	18.2	0.0	19.0	19.4	19.6	19.4	19.1	0.0	20.0

Notes:

NR Band n48 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n48 (SA mode Ant D) (SRS1) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)				
		DSI =0, 1, 2, 3				
		Measured Pwr (dBm)				Tune-up Limit
		638000	641666		645332	
		3570 MHz	3624.99 MHz		3679.98 MHz	
40 MHz	SRS CW	15.81	15.53		15.25	16.00
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		637668.00	640334.00	643000.00	645666.00	
		3565.02 MHz	3605.01 MHz	3645 MHz	3684.99 MHz	
30 MHz	SRS CW	15.89	15.69	15.34	15.21	16.00
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		637334.00	640222.00	643112.00	646000.00	
		3560.01 MHz	3603.33 MHz	3646.68 MHz	3690 MHz	
20 MHz	SRS CW	15.67	14.47	14.19	14.01	16.00
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		637168.00	640166.00	643166.00	646166.00	
		3557.52 MHz	3602.49 MHz	3647.49 MHz	3692.49 MHz	
15 MHz	SRS CW	14.78	14.46	14.17	13.89	16.00
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		637000.00	640110.00	643222.00	646332.00	
		3555 MHz	3601.65 MHz	3648.33 MHz	3694.98 MHz	
10 MHz	SRS CW	14.59	14.43	14.13	13.76	16.00

NR Band n48 (SA mode Ant G) (SRS2) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)				
		DSI =0, 1, 2, 3				
		Measured Pwr (dBm)				Tune-up Limit
		638000	641666		645332	
		3570 MHz	3624.99 MHz		3679.98 MHz	
40 MHz	SRS CW	15.67	15.44		15.58	16.00
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		637668.00	640334.00	643000.00	645666.00	
		3565.02 MHz	3605.01 MHz	3645 MHz	3684.99 MHz	
30 MHz	SRS CW	15.76	15.52	15.42	15.56	16.00
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		637334.00	640222.00	643112.00	646000.00	
		3560.01 MHz	3603.33 MHz	3646.68 MHz	3690 MHz	
20 MHz	SRS CW	15.60	15.31	15.28	15.51	16.00
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		637168.00	640166.00	643166.00	646166.00	
		3557.52 MHz	3602.49 MHz	3647.49 MHz	3692.49 MHz	
15 MHz	SRS CW	15.59	15.33	15.30	15.51	16.00
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		637000.00	640110.00	643222.00	646332.00	
		3555 MHz	3601.65 MHz	3648.33 MHz	3694.98 MHz	
10 MHz	SRS CW	15.46	15.28	15.31	15.41	16.00

NR Band n48 (SA mode Ant A) (SRS3) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)				
		DSI =0, 1, 2, 3				
		Measured Pwr (dBm)				Tune-up Limit
		638000	641666		645332	
		3570 MHz	3624.99 MHz		3679.98 MHz	
40 MHz	SRS CW	15.60	15.16		14.98	16.00
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		637668.00	640334.00	643000.00	645666.00	
		3565.02 MHz	3605.01 MHz	3645 MHz	3684.99 MHz	
30 MHz	SRS CW	15.53	15.23	15.03	14.92	16.00
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		637334.00	640222.00	643112.00	646000.00	
		3560.01 MHz	3603.33 MHz	3646.68 MHz	3690 MHz	
20 MHz	SRS CW	15.48	15.11	15.18	14.80	16.00
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		637168.00	640166.00	643166.00	646166.00	
		3557.52 MHz	3602.49 MHz	3647.49 MHz	3692.49 MHz	
15 MHz	SRS CW	15.44	15.13	14.93	14.76	16.00
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		637000.00	640110.00	643222.00	646332.00	
		3555 MHz	3601.65 MHz	3648.33 MHz	3694.98 MHz	
10 MHz	SRS CW	15.32	15.11	14.87	14.48	16.00

Notes:

NR Band n48 (SRS1) & (SRS2) were measured output power through FTM mode provided by manufacturer.

NR Band n66 (Ant B) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)								
					DSI = 2, 3					DSI = 0, 1			
					Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					346000	349000	352000			346000	349000	352000		
					1730 MHz	1745 MHz	1760 MHz			1730 MHz	1745 MHz	1760 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.26		0.00	24.50		18.83		0.00	20.00
			1	108		23.39		0.00	24.50		19.03		0.00	20.00
			1	214		23.45		0.00	24.50		19.15		0.00	20.00
			108	0		22.39		0.50	24.00		18.97		0.00	20.00
			108	54		23.45		0.00	24.50		19.03		0.00	20.00
			108	108		22.61		0.50	24.00		19.19		0.00	20.00
			216	0		22.61		0.50	24.00		19.10		0.00	20.00
		QPSK	1	1		23.34		0.00	24.50		18.92		0.00	20.00
			1	108		23.56		0.00	24.50		19.07		0.00	20.00
			1	214		23.57		0.00	24.50		19.15		0.00	20.00
			108	0		22.46		1.00	23.50		18.99		0.00	20.00
			108	54		23.46		0.00	24.50		19.15		0.00	20.00
			108	108		22.65		1.00	23.50		19.13		0.00	20.00
			216	0		22.61		1.00	23.50		19.14		0.00	20.00
		16QAM	1	1		22.43		1.00	23.50		18.89		0.00	20.00
			1	108		22.52		1.00	23.50		18.99		0.00	20.00
			1	214		22.63		1.00	23.50		19.11		0.00	20.00
		64QAM	1	1		21.03		2.50	22.00		19.08		0.00	20.00
		256QAM	1	1		18.34		4.50	20.00		18.44		0.00	20.00
	CP-OFDM	QPSK	1	1		21.89		1.50	23.00		19.12		0.00	20.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					345000.00	349000.00	353000.00			345000.00	349000.00	353000.00		
					1725 MHz	1745 MHz	1765 MHz			1725 MHz	1745 MHz	1765 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.40		0.00	24.50		18.83		0.00	20.00
			1	80		23.45		0.00	24.50		18.91		0.00	20.00
			1	158		23.59		0.00	24.50		19.03		0.00	20.00
			80	0		22.57		0.50	24.00		19.00		0.00	20.00
			80	40		23.51		0.00	24.50		18.94		0.00	20.00
			80	80		22.75		0.50	24.00		19.12		0.00	20.00
			160	0		22.54		0.50	24.00		18.94		0.00	20.00
		QPSK	1	1		23.53		0.00	24.50		18.96		0.00	20.00
			1	80		23.63		0.00	24.50		18.99		0.00	20.00
			1	158		23.72		0.00	24.50		19.12		0.00	20.00
			80	0		22.65		1.00	23.50		19.00		0.00	20.00
			80	40		23.53		0.00	24.50		18.96		0.00	20.00
			80	80		22.79		1.00	23.50		19.13		0.00	20.00
			160	0		22.64		1.00	23.50		18.98		0.00	20.00
		16QAM	1	1		22.58		1.00	23.50		18.83		0.00	20.00
		64QAM	1	1		21.20		2.50	22.00		19.04		0.00	20.00
		256QAM	1	1		18.59		4.50	20.00		18.42		0.00	20.00
	CP-OFDM	QPSK	1	1		22.03		1.50	23.00		18.90		0.00	20.00

NR Band n66 (Ant B) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					344500.00	349000.00	353500.00			344500.00	349000.00	353500.00		
					1722.5 MHz	1745 MHz	1767.5 MHz			1722.5 MHz	1745 MHz	1767.5 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.43		0.00	24.50		18.72		0.00	20.00
			1	67		23.12		0.00	24.50		18.55		0.00	20.00
			1	131		23.61		0.00	24.50		19.03		0.00	20.00
			64	0		22.40		0.50	24.00		18.80		0.00	20.00
			64	35		23.42		0.00	24.50		18.69		0.00	20.00
			64	69		22.47		0.50	24.00		18.82		0.00	20.00
			128	0		22.51		0.50	24.00		18.76		0.00	20.00
		QPSK	1	1		23.44		0.00	24.50		18.96		0.00	20.00
			1	67		23.23		0.00	24.50		18.71		0.00	20.00
			1	131		22.35		0.00	24.50		19.14		0.00	20.00
			64	0		22.39		1.00	23.50		18.80		0.00	20.00
			64	35		23.32		0.00	24.50		18.75		0.00	20.00
			64	69		22.42		1.00	23.50		18.81		0.00	20.00
			128	0		22.39		1.00	23.50		18.73		0.00	20.00
		16QAM	1	1		22.58		1.00	23.50		18.86		0.00	20.00
		64QAM	1	1		21.26		2.50	22.00		19.09		0.00	20.00
		256QAM	1	1		18.57		4.50	20.00		17.84		0.00	20.00
	CP-OFDM	QPSK	1	1		21.97		1.50	23.00		18.97		0.00	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					344000.00	349000.00	354000.00			344000.00	349000.00	354000.00		
					1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.20	23.32	23.45	0.00	24.50	18.66	18.75	18.89	0.00	20.00
			1	53	23.18	23.29	23.44	0.00	24.50	18.64	18.75	18.86	0.00	20.00
			1	104	23.30	23.44	23.47	0.00	24.50	18.73	18.90	19.02	0.00	20.00
			50	0	22.41	22.55	22.51	0.50	24.00	18.84	18.92	19.00	0.00	20.00
			50	28	23.36	23.52	23.63	0.00	24.50	18.78	18.89	18.92	0.00	20.00
			50	56	22.47	22.46	22.70	0.50	24.00	18.86	18.88	19.12	0.00	20.00
			100	0	22.37	22.50	22.61	0.50	24.00	18.79	18.91	19.00	0.00	20.00
		QPSK	1	1	23.31	23.44	23.56	0.00	24.50	18.78	18.90	18.94	0.00	20.00
			1	53	23.32	23.40	23.52	0.00	24.50	18.75	18.85	18.96	0.00	20.00
			1	104	23.44	23.53	23.57	0.00	24.50	18.89	18.96	19.14	0.00	20.00
			50	0	22.42	22.56	22.56	1.00	23.50	18.78	18.91	18.91	0.00	20.00
			50	28	23.36	23.54	23.66	0.00	24.50	18.77	18.93	19.03	0.00	20.00
			50	56	22.47	22.50	22.68	1.00	23.50	18.85	18.91	19.10	0.00	20.00
			100	0	22.42	22.56	22.67	1.00	23.50	18.83	18.90	19.00	0.00	20.00
		16QAM	1	1	22.36	22.44	22.66	1.00	23.50	18.68	18.93	19.02	0.00	20.00
		64QAM	1	1	21.03	21.17	21.25	2.50	22.00	18.90	19.01	19.11	0.00	20.00
		256QAM	1	1	18.32	18.48	18.60	4.50	20.00	18.23	18.31	18.11	0.00	20.00
	CP-OFDM	QPSK	1	1	21.88	21.93	22.06	1.50	23.00	18.79	18.89	19.01	0.00	20.00

NR Band n66 (Ant B) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					343500.00	349000.00	354500.00			343500.00	349000.00	354500.00		
					1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.29	23.31	23.52	0.00	24.50	18.66	18.82	18.89	0.00	20.00
			1	40	23.30	23.33	23.49	0.00	24.50	18.71	18.77	18.88	0.00	20.00
			1	77	23.44	23.51	23.40	0.00	24.50	18.84	18.90	19.05	0.00	20.00
			36	0	22.38	22.60	22.59	0.50	24.00	18.75	18.99	19.00	0.00	20.00
			36	22	23.41	23.55	23.68	0.00	24.50	18.82	18.92	19.02	0.00	20.00
			36	43	22.43	22.50	22.66	0.50	24.00	18.83	18.95	19.03	0.00	20.00
			75	0	22.49	22.57	22.68	0.50	24.00	18.82	19.00	19.03	0.00	20.00
		QPSK	1	1	23.38	23.46	23.57	0.00	24.50	18.78	18.89	18.97	0.00	20.00
			1	40	23.37	23.47	23.59	0.00	24.50	18.80	18.85	19.03	0.00	20.00
			1	77	23.53	23.59	23.45	0.00	24.50	18.91	19.02	19.14	0.00	20.00
			36	0	22.43	22.59	22.63	1.00	23.50	18.77	18.92	19.01	0.00	20.00
			36	22	23.43	23.55	23.73	0.00	24.50	18.82	18.91	19.04	0.00	20.00
			36	43	22.49	22.57	22.69	1.00	23.50	18.83	18.92	19.09	0.00	20.00
			75	0	22.52	22.60	22.73	1.00	23.50	18.87	18.88	19.07	0.00	20.00
		16QAM	1	1	22.41	22.38	22.60	1.00	23.50	18.72	18.93	19.02	0.00	20.00
		64QAM	1	1	21.04	21.24	21.28	2.50	22.00	18.90	19.07	19.15	0.00	20.00
		256QAM	1	1	18.37	18.57	18.58	4.50	20.00	18.22	18.39	18.43	0.00	20.00
	CP-OFDM	QPSK	1	1	21.91	21.98	20.69	1.50	23.00	18.80	18.96	19.05	0.00	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					343000.00	349000.00	355000.00			343000.00	349000.00	355000.00		
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.20	23.19	23.53	0.00	24.50	18.62	18.67	18.92	0.00	20.00
			1	26	23.32	23.15	23.43	0.00	24.50	18.73	18.74	18.88	0.00	20.00
			1	50	23.29	23.26	23.18	0.00	24.50	18.68	18.73	18.95	0.00	20.00
			25	0	22.28	22.40	22.60	0.50	24.00	18.66	18.80	18.98	0.00	20.00
			25	14	23.41	23.43	23.53	0.00	24.50	18.66	18.81	18.95	0.00	20.00
			25	27	22.38	22.39	22.60	0.50	24.00	18.77	18.79	18.96	0.00	20.00
			50	0	22.41	22.40	22.60	0.50	24.00	18.78	18.80	18.96	0.00	20.00
		QPSK	1	1	23.34	23.31	23.58	0.00	24.50	18.71	18.71	19.03	0.00	20.00
			1	26	23.44	23.37	23.52	0.00	24.50	18.79	18.83	18.96	0.00	20.00
			1	50	23.37	23.36	23.22	0.00	24.50	18.76	18.78	19.00	0.00	20.00
			25	0	22.31	22.56	22.62	1.00	23.50	18.71	18.77	19.00	0.00	20.00
			25	14	23.43	23.68	23.36	0.00	24.50	18.77	18.81	18.98	0.00	20.00
			25	27	22.45	22.41	22.60	1.00	23.50	18.77	18.80	18.96	0.00	20.00
			50	0	22.40	22.32	22.60	1.00	23.50	18.73	18.78	18.99	0.00	20.00
		16QAM	1	1	22.34	22.35	22.64	1.00	23.50	18.65	18.76	19.06	0.00	20.00
		64QAM	1	1	21.02	20.99	21.29	2.50	22.00	18.84	18.89	19.17	0.00	20.00
		256QAM	1	1	18.19	18.30	18.47	4.50	20.00	18.16	18.23	18.43	0.00	20.00
	CP-OFDM	QPSK	1	1	21.82	21.78	21.72	1.50	23.00	18.70	18.75	19.00	0.00	20.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					342500.00	349000.00	355500.00			342500.00	349000.00	355500.00		
					1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.16	23.12	23.47	0.00	24.50	18.55	18.71	18.85	0.00	20.00
			1	13	23.16	22.88	23.07	0.00	24.50	18.54	18.71	18.92	0.00	20.00
			1	23	23.23	23.06	22.98	0.00	24.50	18.65	18.67	18.90	0.00	20.00
			12	0	22.26	22.43	22.59	0.50	24.00	18.61	18.77	18.93	0.00	20.00
			12	7	23.24	23.25	23.55	0.00	24.50	18.61	18.82	18.89	0.00	20.00
			12	13	22.36	22.38	22.68	0.50	24.00	18.73	18.79	19.00	0.00	20.00
			25	0	22.31	22.56	22.56	0.50	24.00	18.62	18.80	18.92	0.00	20.00
		QPSK	1	1	23.25	23.35	23.54	0.00	24.50	18.65	18.80	18.93	0.00	20.00
			1	13	23.29	23.02	23.18	0.00	24.50	18.63	18.76	19.01	0.00	20.00
			1	23	23.31	23.16	23.04	0.00	24.50	18.69	18.77	19.00	0.00	20.00
			12	0	22.31	22.43	22.58	1.00	23.50	18.63	18.78	18.92	0.00	20.00
			12	7	23.13	23.41	23.54	0.00	24.50	18.65	18.80	18.93	0.00	20.00
			12	13	22.81	22.42	22.68	1.00	23.50	18.74	18.81	19.01	0.00	20.00
			25	0	23.01	22.42	22.62	1.00	23.50	18.63	18.77	18.95	0.00	20.00
		16QAM	1	1	22.21	22.31	22.49	1.00	23.50	18.68	18.78	18.91	0.00	20.00
		64QAM	1	1	20.54	21.04	21.22	2.50	22.00	18.80	18.93	19.09	0.00	20.00
		256QAM	1	1	18.25	18.18	17.53	4.50	20.00	18.09	18.28	18.42	0.00	20.00
	CP-OFDM	QPSK	1	1	21.73	21.86	21.48	1.50	23.00	18.62	18.79	18.89	0.00	20.00

NR Band n66 (Ant F) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)								
					DSI = 2, 3					DSI = 0, 1			
					Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					346000	349000	352000			346000	349000	352000		
					1730 MHz	1745 MHz	1760 MHz			1730 MHz	1745 MHz	1760 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	[redacted]	22.21	[redacted]	0.00	23.50	[redacted]	19.54	[redacted]	0.00	21.00
			1	108		22.47		0.00	23.50		19.81		0.00	21.00
			1	214		22.48		0.00	23.50		19.86		0.00	21.00
			108	0		21.98		0.00	23.50		19.81		0.00	21.00
			108	54		22.57		0.00	23.50		19.95		0.00	21.00
			108	108		22.08		0.00	23.50		19.99		0.00	21.00
			216	0		22.11		0.00	23.50		20.01		0.00	21.00
		QPSK	1	1		22.36		0.00	23.50		19.74		0.00	21.00
			1	108		22.58		0.00	23.50		19.90		0.00	21.00
			1	214		22.62		0.00	23.50		19.94		0.00	21.00
			108	0		22.01		0.00	23.50		19.87		0.00	21.00
			108	54		22.37		0.00	23.50		20.00		0.00	21.00
			108	108		22.36		0.00	23.50		19.94		0.00	21.00
			216	0		22.15		0.00	23.50		19.98		0.00	21.00
		16QAM	1	1		21.89		0.00	23.50		19.71		0.00	21.00
			1	108		22.08		0.00	23.50		20.01		0.00	21.00
			1	214		22.18		0.00	23.50		20.01		0.00	21.00
		64QAM	1	1		20.55		2.00	21.50		19.93		0.00	21.00
		256QAM	1	1		17.85		4.50	19.00		17.74		2.00	19.00
	CP-OFDM	QPSK	1	1		21.52		0.00	23.50		19.76		0.00	21.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					345000.00	349000.00	353000.00			345000.00	349000.00	353000.00		
					1725 MHz	1745 MHz	1765 MHz			1725 MHz	1745 MHz	1765 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	[redacted]	22.36	[redacted]	0.00	23.50	[redacted]	19.65	[redacted]	0.00	21.00
			1	80		22.37		0.00	23.50		19.83		0.00	21.00
			1	158		22.41		0.00	23.50		19.87		0.00	21.00
			80	0		21.95		0.00	23.50		19.86		0.00	21.00
			80	40		22.57		0.00	23.50		19.96		0.00	21.00
			80	80		22.12		0.00	23.50		20.04		0.00	21.00
			160	0		22.13		0.00	23.50		19.97		0.00	21.00
		QPSK	1	1		22.47		0.00	23.50		19.75		0.00	21.00
			1	80		22.59		0.00	23.50		19.91		0.00	21.00
			1	158		22.71		0.00	23.50		19.94		0.00	21.00
			80	0		21.97		0.00	23.50		19.90		0.00	21.00
			80	40		22.61		0.00	23.50		19.99		0.00	21.00
			80	80		22.18		0.00	23.50		20.04		0.00	21.00
			160	0		22.15		0.00	23.50		19.99		0.00	21.00
		16QAM	1	1		21.96		0.00	23.50		19.80		0.00	21.00
		64QAM	1	1		20.67		2.00	21.50		20.04		0.00	21.00
		256QAM	1	1		17.98		4.50	19.00		17.96		2.00	19.00
	CP-OFDM	QPSK	1	1		21.51		0.00	23.50		19.88		0.00	21.00

NR Band n66 (Ant F) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					344500.00	349000.00	353500.00			344500.00	349000.00	353500.00		
					1722.5 MHz	1745 MHz	1767.5 MHz			1722.5 MHz	1745 MHz	1767.5 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1		22.54		0.00	23.50		20.02		0.00	21.00
			1	67		22.24		0.00	23.50		19.66		0.00	21.00
			1	131		22.70		0.00	23.50		20.15		0.00	21.00
			64	0		21.96		0.00	23.50		19.92		0.00	21.00
			64	35		22.39		0.00	23.50		19.93		0.00	21.00
			64	69		22.01		0.00	23.50		19.90		0.00	21.00
			128	0		21.96		0.00	23.50		19.91		0.00	21.00
		QPSK	1	1		22.70		0.00	23.50		20.11		0.00	21.00
			1	67		22.38		0.00	23.50		19.84		0.00	21.00
			1	131		22.94		0.00	23.50		20.34		0.00	21.00
			64	0		21.98		0.00	23.50		19.88		0.00	21.00
			64	35		22.45		0.00	23.50		19.92		0.00	21.00
			64	69		21.97		0.00	23.50		19.95		0.00	21.00
			128	0		21.97		0.00	23.50		19.92		0.00	21.00
		16QAM	1	1		22.17		0.00	23.50		20.10		0.00	21.00
		64QAM	1	1		20.90		2.00	21.50		20.32		0.00	21.00
		256QAM	1	1		18.18		4.50	19.00		18.17		2.00	19.00
	CP-OFDM	QPSK	1	1		21.66		0.00	23.50		20.15		0.00	21.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					344000.00	349000.00	354000.00			344000.00	349000.00	354000.00		
					1720 MHz	1745 MHz	1770 MHz			1720 MHz	1745 MHz	1770 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.18	22.33	22.36	0.00	23.50	19.67	19.80	19.74	0.00	21.00
			1	53	22.07	22.29	22.49	0.00	23.50	19.53	19.74	19.88	0.00	21.00
			1	104	22.36	22.41	22.56	0.00	23.50	19.76	19.82	19.92	0.00	21.00
			50	0	21.74	21.95	22.45	0.00	23.50	19.75	19.87	20.01	0.00	21.00
			50	28	22.29	22.42	22.59	0.00	23.50	19.73	19.90	20.02	0.00	21.00
			50	56	21.78	21.96	22.02	0.00	23.50	19.78	19.91	19.97	0.00	21.00
			100	0	21.78	21.92	22.06	0.00	23.50	19.72	19.89	19.98	0.00	21.00
		QPSK	1	1	22.25	22.45	22.53	0.00	23.50	19.72	19.89	19.87	0.00	21.00
			1	53	22.24	22.39	22.55	0.00	23.50	19.68	19.84	19.98	0.00	21.00
			1	104	22.48	22.57	22.66	0.00	23.50	19.87	20.00	20.11	0.00	21.00
			50	0	21.81	21.96	22.03	0.00	23.50	19.74	19.89	19.94	0.00	21.00
			50	28	22.28	22.46	22.55	0.00	23.50	19.73	19.86	20.02	0.00	21.00
			50	56	21.88	21.94	22.14	0.00	23.50	19.82	19.89	20.04	0.00	21.00
			100	0	21.83	21.93	22.11	0.00	23.50	19.74	19.90	20.04	0.00	21.00
		16QAM	1	1	21.81	21.96	21.95	0.00	23.50	19.80	19.96	19.81	0.00	21.00
		64QAM	1	1	20.43	20.62	20.76	2.00	21.50	19.87	20.06	20.14	0.00	21.00
		256QAM	1	1	17.77	17.93	18.01	4.50	19.00	17.77	17.95	17.97	2.00	19.00
	CP-OFDM	QPSK	1	1	21.31	21.48	21.52	0.00	23.50	19.79	19.91	19.99	0.00	21.00

NR Band n66 (Ant F) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					343500.00	349000.00	354500.00			343500.00	349000.00	354500.00		
					1717.5 MHz	1745 MHz	1772.5 MHz			1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.23	22.40	22.50	0.00	23.50	19.64	19.77	19.82	0.00	21.00
			1	40	22.19	22.33	22.46	0.00	23.50	19.58	19.66	19.78	0.00	21.00
			1	77	22.32	22.42	22.55	0.00	23.50	19.63	19.74	19.89	0.00	21.00
			36	0	21.83	22.01	22.10	0.00	23.50	19.69	19.88	20.00	0.00	21.00
			36	22	22.33	22.46	22.56	0.00	23.50	19.79	19.84	19.92	0.00	21.00
			36	43	21.87	21.98	22.16	0.00	23.50	19.77	19.85	20.05	0.00	21.00
			75	0	21.85	22.00	22.08	0.00	23.50	19.73	19.90	19.93	0.00	21.00
		QPSK	1	1	22.31	22.50	22.59	0.00	23.50	19.72	19.85	20.01	0.00	21.00
			1	40	22.34	22.43	22.56	0.00	23.50	19.69	19.81	19.89	0.00	21.00
			1	77	22.37	22.50	22.64	0.00	23.50	19.74	19.84	19.97	0.00	21.00
			36	0	21.87	22.00	22.12	0.00	23.50	19.78	19.90	20.03	0.00	21.00
			36	22	22.36	22.47	22.53	0.00	23.50	19.78	19.87	20.00	0.00	21.00
			36	43	21.92	21.98	22.22	0.00	23.50	19.82	19.90	20.06	0.00	21.00
			75	0	21.90	21.98	22.10	0.00	23.50	19.77	19.88	20.00	0.00	21.00
		16QAM	1	1	21.91	21.99	22.14	0.00	23.50	19.80	19.93	19.96	0.00	21.00
		64QAM	1	1	20.52	20.67	20.80	2.00	21.50	19.90	20.02	20.19	0.00	21.00
		256QAM	1	1	17.83	17.96	18.05	4.50	19.00	17.79	17.94	18.04	2.00	19.00
	CP-OFDM	QPSK	1	1	21.32	21.50	21.64	0.00	23.50	19.78	19.93	20.02	0.00	21.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					343000.00	349000.00	355000.00			343000.00	349000.00	355000.00		
					1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.13	22.25	22.43	0.00	23.50	19.52	19.73	19.85	0.00	21.00
			1	26	22.15	22.32	22.58	0.00	23.50	19.49	19.72	19.95	0.00	21.00
			1	50	22.14	22.26	22.45	0.00	23.50	19.45	19.67	19.89	0.00	21.00
			25	0	21.68	21.85	21.99	0.00	23.50	19.55	19.74	19.87	0.00	21.00
			25	14	22.17	22.38	22.62	0.00	23.50	19.58	19.79	20.01	0.00	21.00
			25	27	21.74	21.85	22.12	0.00	23.50	19.60	19.84	20.00	0.00	21.00
			50	0	21.69	21.87	22.07	0.00	23.50	19.58	19.79	19.97	0.00	21.00
		QPSK	1	1	22.19	22.37	22.55	0.00	23.50	19.56	19.78	19.94	0.00	21.00
			1	26	22.22	22.37	22.66	0.00	23.50	19.59	19.80	20.02	0.00	21.00
			1	50	22.20	22.36	22.60	0.00	23.50	19.50	19.72	19.95	0.00	21.00
			25	0	21.70	21.85	22.01	0.00	23.50	19.48	19.80	19.91	0.00	21.00
			25	14	22.22	22.34	22.63	0.00	23.50	19.58	19.78	20.02	0.00	21.00
			25	27	21.72	21.87	22.12	0.00	23.50	19.57	19.78	20.03	0.00	21.00
			50	0	21.71	21.88	22.09	0.00	23.50	19.55	19.80	20.00	0.00	21.00
		16QAM	1	1	21.80	21.94	22.12	0.00	23.50	19.64	19.83	19.92	0.00	21.00
		64QAM	1	1	20.35	20.59	20.72	2.00	21.50	19.71	19.97	20.05	0.00	21.00
		256QAM	1	1	17.67	17.84	18.01	4.50	19.00	17.62	17.85	17.99	2.00	19.00
	CP-OFDM	QPSK	1	1	21.22	22.41	21.54	0.00	23.50	19.60	19.82	19.88	0.00	21.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					342500.00	349000.00	355500.00			342500.00	349000.00	355500.00		
					1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	21.99	22.32	22.54	0.00	23.50	19.28	19.53	19.85	0.00	21.00
			1	13	22.08	22.32	22.52	0.00	23.50	19.34	19.53	19.86	0.00	21.00
			1	23	22.02	22.32	22.48	0.00	23.50	19.34	19.52	19.80	0.00	21.00
			12	0	21.59	22.13	22.08	0.00	23.50	19.38	19.64	19.90	0.00	21.00
			12	7	22.12	21.86	22.60	0.00	23.50	19.43	19.64	19.92	0.00	21.00
			12	13	21.64	21.91	22.10	0.00	23.50	19.44	19.65	19.91	0.00	21.00
			25	0	21.63	21.91	22.09	0.00	23.50	19.44	19.65	19.92	0.00	21.00
		QPSK	1	1	22.14	22.38	22.61	0.00	23.50	19.36	19.68	19.92	0.00	21.00
			1	13	22.13	22.40	22.59	0.00	23.50	19.41	19.74	19.95	0.00	21.00
			1	23	22.08	22.40	22.61	0.00	23.50	19.40	19.65	19.93	0.00	21.00
			12	0	21.62	21.88	22.08	0.00	23.50	19.44	19.70	19.92	0.00	21.00
			12	7	22.12	22.40	22.65	0.00	23.50	19.47	19.71	19.94	0.00	21.00
			12	13	21.67	21.86	22.10	0.00	23.50	19.46	19.68	19.92	0.00	21.00
			25	0	21.65	21.88	22.08	0.00	23.50	19.45	19.72	19.94	0.00	21.00
		16QAM	1	1	21.66	21.95	22.16	0.00	23.50	19.45	19.83	20.01	0.00	21.00
		64QAM	1	1	20.29	20.56	20.78	2.00	21.50	19.57	19.82	20.09	0.00	21.00
		256QAM	1	1	17.56	17.86	18.10	4.50	19.00	17.47	17.72	18.01	2.00	19.00
	CP-OFDM	QPSK	1	1	21.13	21.38	21.53	0.00	23.50	19.43	19.69	19.93	0.00	21.00

NR Band n71 Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				
					DSI = 0, 1, 2, 3				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					134600	136100	137600		
					673 MHz	680.5 MHz	688 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	[redacted]	24.73	[redacted]	0.00	25.50
			1	53		24.63		0.00	25.50
			1	104		24.47		0.00	25.50
			50	0		23.77		0.50	25.00
			50	28		24.68		0.00	25.50
			50	56		23.57		0.50	25.00
			100	0		23.73		0.50	25.00
		QPSK	1	1		24.90		0.00	25.50
			1	53		24.72		0.00	25.50
			1	104		24.59		0.00	25.50
			50	0		23.79		1.00	24.50
			50	28		24.65		0.00	25.50
			50	56		23.64		1.00	24.50
			100	0		23.74		1.00	24.50
		16QAM	1	1		23.86		1.00	24.50
			1	53		23.73		1.00	24.50
			1	104		23.60		1.00	24.50
		64QAM	1	1		22.56		2.50	23.00
		256QAM	1	1		19.76		4.50	21.00
	CP-OFDM	QPSK	1	1		23.25		1.50	24.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					134100.00	136100.00	138100.00		
					670.5 MHz	680.5 MHz	690.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	[redacted]	24.75	[redacted]	0.00	25.50
			1	40		24.69		0.00	25.50
			1	77		24.51		0.00	25.50
			36	0		23.81		0.50	25.00
			36	22		24.73		0.00	25.50
			36	43		23.68		0.50	25.00
			75	0		23.82		0.50	25.00
		QPSK	1	1		24.93		0.00	25.50
			1	40		24.82		0.00	25.50
			1	77		24.71		0.00	25.50
			36	0		23.82		1.00	24.50
			36	22		24.76		0.00	25.50
			36	43		23.74		1.00	24.50
			75	0		23.81		1.00	24.50
		16QAM	1	1		23.94		1.00	24.50
		64QAM	1	1		22.59		2.50	23.00
		256QAM	1	1		19.89		4.50	21.00
	CP-OFDM	QPSK	1	1		23.32		1.50	24.00

NR Band n71 Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					133600.00	136100.00	138600.00		
					668 MHz	680.5 MHz	693 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.83	24.61	24.52	0.00	25.50
			1	26	24.74	24.57	24.52	0.00	25.50
			1	50	24.74	24.50	24.48	0.00	25.50
			25	0	23.91	23.70	23.50	0.50	25.00
			25	14	24.96	24.67	24.46	0.00	25.50
			25	27	23.86	23.61	23.43	0.50	25.00
			50	0	23.90	23.67	23.45	0.50	25.00
		QPSK	1	1	24.98	24.79	24.57	0.00	25.50
			1	26	24.88	24.71	24.55	0.00	25.50
			1	50	24.88	24.59	24.46	0.00	25.50
			25	0	23.93	23.72	23.57	1.00	24.50
			25	14	24.94	24.64	24.45	0.00	25.50
			25	27	23.91	23.65	23.42	1.00	24.50
			50	0	23.93	23.67	23.51	1.00	24.50
		16QAM	1	1	23.89	23.75	23.58	1.00	24.50
		64QAM	1	1	22.68	22.46	22.25	2.50	23.00
		256QAM	1	1	19.94	19.76	19.56	4.50	21.00
	CP-OFDM	QPSK	1	1	21.81	22.70	22.97	1.50	24.00

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					133100.00	136100.00	139100.00		
					665.5 MHz	680.5 MHz	695.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.81	24.57	24.45	0.00	25.50
			1	13	24.82	24.66	24.51	0.00	25.50
			1	23	24.73	24.53	24.45	0.00	25.50
			12	0	23.93	23.80	23.47	0.50	25.00
			12	7	24.92	23.61	24.50	0.00	25.50
			12	13	23.92	23.56	23.48	0.50	25.00
			25	0	23.90	23.66	23.48	0.50	25.00
		QPSK	1	1	25.02	24.67	24.52	0.00	25.50
			1	13	24.95	24.70	24.56	0.00	25.50
			1	23	24.88	24.60	24.38	0.00	25.50
			12	0	24.00	23.68	23.50	1.00	24.50
			12	7	24.99	24.72	24.51	0.00	25.50
			12	13	23.96	23.64	23.48	1.00	24.50
			25	0	23.95	23.68	23.51	1.00	24.50
		16QAM	1	1	23.99	23.74	23.55	1.00	24.50
		64QAM	1	1	22.73	22.37	22.21	2.50	23.00
		256QAM	1	1	19.95	19.66	19.49	4.50	21.00
	CP-OFDM	QPSK	1	1	23.39	23.11	22.90	1.50	24.00

NR Band n77-DoD (SA mode Ant F) (Voice/data/SRS0) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)											
					DSI = 3				DSI = 0, 1				DSI = 2			
					Measured Pwr (dBm)		MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit
					633334.00	3500.01 MHz			633334.00	3500.01 MHz			633334	3500.01 MHz		
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.79		0.00	19.00	17.26		0.00	18.50	16.8		0.0	18.0
			1	137	18.05		0.00	19.00	17.46		0.00	18.50	17.1		0.0	18.0
			1	271	18.37		0.00	19.00	17.77		0.00	18.50	17.3		0.0	18.0
			135	0	18.08		0.00	19.00	17.52		0.00	18.50	17.0		0.0	18.0
			135	69	18.00		0.00	19.00	17.61		0.00	18.50	17.1		0.0	18.0
			135	138	18.12		0.00	19.00	17.60		0.00	18.50	17.1		0.0	18.0
			270	0	18.09		0.00	19.00	17.62		0.00	18.50	17.1		0.0	18.0
		QPSK	1	1	17.84		0.00	19.00	17.31		0.00	18.50	16.8		0.0	18.0
			1	137	18.09		0.00	19.00	17.62		0.00	18.50	17.1		0.0	18.0
			1	271	18.38		0.00	19.00	17.89		0.00	18.50	17.3		0.0	18.0
			135	0	18.11		0.00	19.00	17.57		0.00	18.50	17.0		0.0	18.0
			135	69	18.18		0.00	19.00	17.65		0.00	18.50	17.1		0.0	18.0
			135	138	18.17		0.00	19.00	17.61		0.00	18.50	17.1		0.0	18.0
			270	0	18.17		0.00	19.00	17.65		0.00	18.50	17.0		0.0	18.0
		16QAM	1	1	18.04		0.00	19.00	17.32		0.00	18.50	16.9		0.0	18.0
			1	137	18.32		0.00	19.00	17.58		0.00	18.50	17.2		0.0	18.0
			1	271	18.57		0.00	19.00	17.79		0.00	18.50	17.5		0.0	18.0
		64QAM	1	1	17.77		0.00	19.00	17.31		0.00	18.50	16.7		0.0	18.0
		256QAM	1	1	18.01		0.00	19.00	17.37		0.00	18.50	16.9		0.0	18.0
	CP-OFDM	QPSK	1	1	18.15		0.00	19.00	17.31		0.00	18.50	16.9		0.0	18.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					633000.00	633334.00	633666.00			633000.00	633334.00	633666.00			633000	633334	633666		
					3495 MHz	3500.01 MHz	3504.99 MHz			3495 MHz	3500.01 MHz	3504.99 MHz			3495 MHz	3500.01 MHz	3504.99 MHz		
90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.92			0.00	19.00	17.32			0.00	18.50	16.8			0.0	18.0
			1	123	18.09			0.00	19.00	17.52			0.00	18.50	17.1			0.0	18.0
			1	243	18.29			0.00	19.00	17.71			0.00	18.50	17.3			0.0	18.0
			120	0	18.10			0.00	19.00	17.53			0.00	18.50	17.0			0.0	18.0
			120	63	18.12			0.00	19.00	17.57			0.00	18.50	16.9			0.0	18.0
			120	125	18.14			0.00	19.00	17.57			0.00	18.50	16.9			0.0	18.0
			243	0	18.07			0.00	19.00	17.57			0.00	18.50	17.1			0.0	18.0
		QPSK	1	1	17.98			0.00	19.00	17.54			0.00	18.50	17.1			0.0	18.0
			1	123	18.17			0.00	19.00	17.54			0.00	18.50	17.1			0.0	18.0
			1	243	18.36			0.00	19.00	17.81			0.00	18.50	17.3			0.0	18.0
			120	0	18.09			0.00	19.00	17.50			0.00	18.50	17.1			0.0	18.0
			120	63	18.08			0.00	19.00	17.57			0.00	18.50	17.0			0.0	18.0
			120	125	18.09			0.00	19.00	17.59			0.00	18.50	17.0			0.0	18.0
			243	0	18.10			0.00	19.00	17.52			0.00	18.50	17.1			0.0	18.0
		16QAM	1	1	17.94			0.00	19.00	17.39			0.00	18.50	16.9			0.0	18.0
		64QAM	1	1	17.62			0.00	19.00	17.11			0.00	18.50	16.7			0.0	18.0
		256QAM	1	1	17.84			0.00	19.00	17.31			0.00	18.50	16.8			0.0	18.0
	CP-OFDM	QPSK	1	1	17.86			0.00	19.00	17.31			0.00	18.50	16.7			0.0	18.0

Notes:

NR Band n77-DoD (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n77-DoD (SA mode Ant F) (Voice/data/SRS0) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					632668.00	633334.00	634000.00			632668.00	633334.00	634000.00			632668	633334	634000		
					3490.02 MHz	3500.01 MHz	3510 MHz			3490.02 MHz	3500.01 MHz	3510 MHz			3490.02 MHz	3500.01 MHz	3510 MHz		
80 MHz	DFT-s-OFDM	π/2 BPSK	1	1		17.99		0.00	19.00		17.55		0.00	18.50		17.2		0.0	18.0
			1	109		18.12		0.00	19.00		17.63		0.00	18.50		17.1		0.0	18.0
			1	215		18.15		0.00	19.00		17.62		0.00	18.50		17.0		0.0	18.0
			108	0		18.00		0.00	19.00		17.56		0.00	18.50		17.0		0.0	18.0
			108	55		18.05		0.00	19.00		17.56		0.00	18.50		17.1		0.0	18.0
			108	109		18.06		0.00	19.00		17.57		0.00	18.50		16.9		0.0	18.0
			216	0		18.08		0.00	19.00		17.59		0.00	18.50		17.0		0.0	18.0
		QPSK	1	1		17.98		0.00	19.00		17.49		0.00	18.50		17.0		0.0	18.0
			1	109		18.08		0.00	19.00		17.59		0.00	18.50		17.1		0.0	18.0
			1	215		18.09		0.00	19.00		17.57		0.00	18.50		17.0		0.0	18.0
			108	0		18.04		0.00	19.00		17.55		0.00	18.50		17.0		0.0	18.0
			108	55		18.07		0.00	19.00		17.54		0.00	18.50		17.1		0.0	18.0
			108	109		18.06		0.00	19.00		17.60		0.00	18.50		17.2		0.0	18.0
			216	0		18.09		0.00	19.00		17.58		0.00	18.50		17.0		0.0	18.0
		16QAM	1	1		17.99		0.00	19.00		17.42		0.00	18.50		16.8		0.0	18.0
		64QAM	1	1		17.72		0.00	19.00		17.15		0.00	18.50		16.6		0.0	18.0
		256QAM	1	1		18.15		0.00	19.00		17.68		0.00	18.50		17.3		0.0	18.0
	CP-OFDM	QPSK	1	1		17.97		0.00	19.00		17.45		0.00	18.50		17.0		0.0	18.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					632334.00	633334.00	634332.00			632334.00	633334.00	634332.00			632334	633334	634332		
					3485.01 MHz	3500.01 MHz	3514.98 MHz			3485.01 MHz	3500.01 MHz	3514.98 MHz			3485.01 MHz	3500.01 MHz	3514.98 MHz		
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1		17.99		0.00	19.00		17.45		0.00	18.50		16.9		0.0	18.0
			1	95		18.02		0.00	19.00		17.50		0.00	18.50		17.1		0.0	18.0
			1	188		18.09		0.00	19.00		17.56		0.00	18.50		17.2		0.0	18.0
			90	0		18.04		0.00	19.00		17.55		0.00	18.50		17.2		0.0	18.0
			90	50		18.04		0.00	19.00		17.55		0.00	18.50		17.0		0.0	18.0
			90	99		18.07		0.00	19.00		17.62		0.00	18.50		17.1		0.0	18.0
			180	0		18.05		0.00	19.00		17.53		0.00	18.50		16.9		0.0	18.0
		QPSK	1	1		17.96		0.00	19.00		17.51		0.00	18.50		17.2		0.0	18.0
			1	95		18.01		0.00	19.00		17.56		0.00	18.50		17.2		0.0	18.0
			1	188		18.08		0.00	19.00		17.62		0.00	18.50		17.2		0.0	18.0
			90	0		18.07		0.00	19.00		17.53		0.00	18.50		17.2		0.0	18.0
			90	50		18.11		0.00	19.00		17.56		0.00	18.50		17.2		0.0	18.0
			90	99		18.12		0.00	19.00		17.59		0.00	18.50		17.1		0.0	18.0
			180	0		18.12		0.00	19.00		17.59		0.00	18.50		17.2		0.0	18.0
		16QAM	1	1		18.04		0.00	19.00		17.54		0.00	18.50		16.9		0.0	18.0
		64QAM	1	1		17.81		0.00	19.00		17.33		0.00	18.50		16.8		0.0	18.0
		256QAM	1	1		17.98		0.00	19.00		17.49		0.00	18.50		17.1		0.0	18.0
	CP-OFDM	QPSK	1	1		17.88		0.00	19.00		17.43		0.00	18.50		16.9		0.0	18.0

Notes:

NR Band n77-DoD (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n77-DoD (SA mode Ant F) (Voice/data/SRS0) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					632000.00	633334.00	634666.00			632000.00	633334.00	634666.00			632000	633334	634666		
					3480 MHz	3500.01 MHz	3519.99 MHz			3480 MHz	3500.01 MHz	3519.99 MHz			3480 MHz	3500.01 MHz	3519.99 MHz		
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1		17.93		0.00	19.00		17.43		0.00	18.50		16.8		0.0	18.0
			1	81		18.16		0.00	19.00		17.66		0.00	18.50		17.2		0.0	18.0
			1	160		18.18		0.00	19.00		17.62		0.00	18.50		17.2		0.0	18.0
			81	0		18.11		0.00	19.00		17.55		0.00	18.50		17.1		0.0	18.0
			81	41		18.17		0.00	19.00		17.56		0.00	18.50		17.1		0.0	18.0
			81	81		18.17		0.00	19.00		17.56		0.00	18.50		16.9		0.0	18.0
			162	0		18.16		0.00	19.00		17.54		0.00	18.50		17.0		0.0	18.0
		QPSK	1	1		17.97		0.00	19.00		17.48		0.00	18.50		17.0		0.0	18.0
			1	81		18.18		0.00	19.00		17.63		0.00	18.50		17.0		0.0	18.0
			1	160		18.22		0.00	19.00		17.66		0.00	18.50		17.0		0.0	18.0
			81	0		18.11		0.00	19.00		17.51		0.00	18.50		17.0		0.0	18.0
			81	41		18.17		0.00	19.00		17.55		0.00	18.50		17.0		0.0	18.0
			81	81		18.17		0.00	19.00		17.63		0.00	18.50		17.1		0.0	18.0
			162	0		18.15		0.00	19.00		17.58		0.00	18.50		17.2		0.0	18.0
		16QAM	1	1		17.73		0.00	19.00		17.20		0.00	18.50		16.8		0.0	18.0
		64QAM	1	1		17.75		0.00	19.00		17.21		0.00	18.50		16.7		0.0	18.0
		256QAM	1	1		18.08		0.00	19.00		17.55		0.00	18.50		17.1		0.0	18.0
	CP-OFDM	QPSK	1	1		18.03		0.00	19.00		17.31		0.00	18.50		16.8		0.0	18.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					631668.00	633334.00	635000.00			631668.00	633334.00	635000.00			631668	633334	635000		
					3475.02 MHz	3500.01 MHz	3525 MHz			3475.02 MHz	3500.01 MHz	3525 MHz			3475.02 MHz	3500.01 MHz	3525 MHz		
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.41		17.88	0.00	18.50	17.95		18.29	0.00	19.00	16.8		17.3	0.0	18.0
			1	67	17.51		17.76	0.00	18.50	18.07		18.25	0.00	19.00	17.1		17.4	0.0	18.0
			1	131	17.55		17.85	0.00	18.50	18.04		18.32	0.00	19.00	17.0		17.4	0.0	18.0
			64	0	17.56		17.73	0.00	18.50	18.02		18.19	0.00	19.00	16.9		17.1	0.0	18.0
			64	35	17.52		17.81	0.00	18.50	18.08		18.25	0.00	19.00	17.0		17.2	0.0	18.0
			64	69	17.51		17.79	0.00	18.50	17.99		18.24	0.00	19.00	17.0		17.4	0.0	18.0
			128	0	17.42		17.76	0.00	18.50	17.95		18.27	0.00	19.00	17.0		17.3	0.0	18.0
		QPSK	1	1	17.34		17.85	0.00	18.50	17.93		18.31	0.00	19.00	16.9		17.4	0.0	18.0
			1	67	17.51		17.76	0.00	18.50	18.00		18.23	0.00	19.00	17.0		17.2	0.0	18.0
			1	131	17.53		17.92	0.00	18.50	18.08		18.38	0.00	19.00	17.0		17.3	0.0	18.0
			64	0	17.46		17.72	0.00	18.50	17.98		18.17	0.00	19.00	17.1		17.2	0.0	18.0
			64	35	17.52		17.76	0.00	18.50	18.04		18.26	0.00	19.00	16.9		17.1	0.0	18.0
			64	69	17.43		17.81	0.00	18.50	18.05		18.24	0.00	19.00	16.8		17.4	0.0	18.0
			128	0	17.39		17.73	0.00	18.50	17.94		18.23	0.00	19.00	16.8		17.1	0.0	18.0
		16QAM	1	1	17.55		17.88	0.00	18.50	18.08		18.24	0.00	19.00	17.0		17.5	0.0	18.0
		64QAM	1	1	16.96		17.46	0.00	18.50	17.54		17.93	0.00	19.00	16.4		17.1	0.0	18.0
		256QAM	1	1	17.21		17.65	0.00	18.50	17.74		18.15	0.00	19.00	16.7		17.2	0.0	18.0
	CP-OFDM	QPSK	1	1	17.36		17.77	0.00	18.50	17.85		18.25	0.00	19.00	16.8		17.4	0.0	18.0

Notes:

NR Band n77-DoD (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n77-DoD (SA mode Ant F) (Voice/data/SRS0) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					631334.00	633334.00	635332.00			631334.00	633334.00	635332.00			631334	633334	635332		
					3470.01 MHz	3500.01 MHz	3529.98 MHz			3470.01 MHz	3500.01 MHz	3529.98 MHz			3470.01 MHz	3500.01 MHz	3529.98 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	18.31		18.71	0.00	19.00	17.65		18.28	0.00	18.50	17.1		17.8	0.0	18.0
			1	53	18.35		18.64	0.00	19.00	17.75		18.17	0.00	18.50	17.2		17.6	0.0	18.0
			1	104	18.57		18.88	0.00	19.00	17.94		18.30	0.00	18.50	17.5		17.8	0.0	18.0
			50	0	18.31		18.60	0.00	19.00	17.77		18.31	0.00	18.50	17.2		17.8	0.0	18.0
			50	28	18.39		18.63	0.00	19.00	17.84		18.13	0.00	18.50	17.5		17.6	0.0	18.0
			50	56	18.53		18.71	0.00	19.00	18.01		18.23	0.00	18.50	17.5		17.8	0.0	18.0
			100	0	18.41		18.63	0.00	19.00	17.88		18.19	0.00	18.50	17.4		17.6	0.0	18.0
		QPSK	1	1	18.30		18.71	0.00	19.00	17.75		18.17	0.00	18.50	17.4		17.7	0.0	18.0
			1	53	18.33		18.61	0.00	19.00	17.78		18.08	0.00	18.50	17.3		17.7	0.0	18.0
			1	104	18.57		18.87	0.00	19.00	18.02		18.38	0.00	18.50	17.5		17.7	0.0	18.0
			50	0	18.35		18.60	0.00	19.00	17.74		18.09	0.00	18.50	17.2		17.5	0.0	18.0
			50	28	18.39		18.62	0.00	19.00	17.73		18.12	0.00	18.50	17.3		17.5	0.0	18.0
			50	56	18.55		18.75	0.00	19.00	17.93		18.20	0.00	18.50	17.5		17.6	0.0	18.0
			100	0	18.46		18.67	0.00	19.00	17.85		18.16	0.00	18.50	17.3		17.7	0.0	18.0
		16QAM	1	1	18.44		18.72	0.00	19.00	17.91		18.20	0.00	18.50	17.5		17.6	0.0	18.0
		64QAM	1	1	17.99		18.30	0.00	19.00	17.47		17.75	0.00	18.50	17.1		17.2	0.0	18.0
		256QAM	1	1	18.42		18.83	0.00	19.00	17.86		18.28	0.00	18.50	17.5		17.8	0.0	18.0
	CP-OFDM	QPSK	1	1	18.20		18.66	0.00	19.00	17.71		18.13	0.00	18.50	17.4		17.7	0.0	18.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					631000.00	633334.00	635666.00			631000.00	633334.00	635666.00			631000	633334	635666		
					3465 MHz	3500.01 MHz	3534.99 MHz			3465 MHz	3500.01 MHz	3534.99 MHz			3465 MHz	3500.01 MHz	3534.99 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	18.29	18.49	18.71	0.00	19.00	17.79	18.08	18.19	0.00	18.50	17.3	17.5	17.5	0.0	18.0
			1	39	18.33	18.47	18.59	0.00	19.00	17.78	17.98	18.03	0.00	18.50	17.4	17.5	17.6	0.0	18.0
			1	76	18.42	18.63	18.79	0.00	19.00	17.89	18.15	18.29	0.00	18.50	17.3	17.7	17.8	0.0	18.0
			36	0	18.29	18.45	18.64	0.00	19.00	17.84	17.93	18.10	0.00	18.50	17.4	17.5	17.6	0.0	18.0
			36	21	18.26	18.48	18.55	0.00	19.00	17.71	17.95	18.08	0.00	18.50	17.2	17.6	17.5	0.0	18.0
			36	42	18.42	18.47	18.70	0.00	19.00	17.88	18.03	18.16	0.00	18.50	17.2	17.5	17.8	0.0	18.0
			75	0	18.30	18.55	18.62	0.00	19.00	17.80	18.02	18.10	0.00	18.50	17.4	17.5	17.7	0.0	18.0
		QPSK	1	1	18.19	18.53	18.73	0.00	19.00	17.70	18.04	18.22	0.00	18.50	17.2	17.5	17.7	0.0	18.0
			1	39	18.19	18.47	18.62	0.00	19.00	17.69	18.02	18.09	0.00	18.50	17.2	17.4	17.6	0.0	18.0
			1	76	18.36	18.48	18.83	0.00	19.00	17.85	18.11	18.32	0.00	18.50	17.3	17.6	17.8	0.0	18.0
			36	0	18.31	18.57	18.64	0.00	19.00	17.77	17.92	18.13	0.00	18.50	17.2	17.4	17.5	0.0	18.0
			36	21	18.25	18.43	18.56	0.00	19.00	17.70	17.93	18.06	0.00	18.50	17.2	17.6	17.7	0.0	18.0
			36	42	18.36	18.49	18.61	0.00	19.00	17.85	18.01	18.14	0.00	18.50	17.2	17.4	17.5	0.0	18.0
			75	0	18.30	18.50	18.62	0.00	19.00	17.76	18.04	18.11	0.00	18.50	17.3	17.4	17.6	0.0	18.0
		16QAM	1	1	18.08	18.48	18.80	0.00	19.00	17.59	17.95	18.31	0.00	18.50	17.2	17.6	17.7	0.0	18.0
		64QAM	1	1	17.91	18.28	18.41	0.00	19.00	17.42	17.73	17.88	0.00	18.50	17.1	17.1	17.3	0.0	18.0
		256QAM	1	1	17.89	18.52	18.62	0.00	19.00	17.78	17.99	18.20	0.00	18.50	17.2	17.4	17.6	0.0	18.0
	CP-OFDM	QPSK	1	1	18.24	18.54	18.65	0.00	19.00	17.75	18.08	18.17	0.00	18.50	17.2	17.7	17.7	0.0	18.0

Notes:

NR Band n77-DoD (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n77-DoD (SA mode Ant F) (Voice/data/SRS0) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					630668.00	633334.00	636000.00			630668.00	633334.00	636000.00			630668	633334	636000		
					3460.02 MHz	3500.01 MHz	3540 MHz			3460.02 MHz	3500.01 MHz	3540 MHz			3460.02 MHz	3500.01 MHz	3540 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	18.29	18.34	18.57	0.00	19.00	17.68	17.88	17.89	0.00	18.50	17.3	17.3	17.4	0.0	18.0
			1	26	18.21	18.38	18.58	0.00	19.00	17.65	17.89	17.95	0.00	18.50	17.1	17.3	17.6	0.0	18.0
			1	49	18.29	18.39	18.66	0.00	19.00	17.79	17.82	17.99	0.00	18.50	17.3	17.5	17.6	0.0	18.0
			25	0	18.16	18.43	18.51	0.00	19.00	17.65	17.92	18.01	0.00	18.50	17.2	17.4	17.6	0.0	18.0
			25	13	18.18	18.41	18.52	0.00	19.00	17.63	17.93	17.99	0.00	18.50	17.0	17.5	17.5	0.0	18.0
			25	26	18.19	18.45	18.54	0.00	19.00	17.65	17.95	17.98	0.00	18.50	17.1	17.5	17.6	0.0	18.0
			50	0	18.14	18.36	18.49	0.00	19.00	17.67	17.93	17.96	0.00	18.50	17.1	17.4	17.4	0.0	18.0
		QPSK	1	1	18.23	18.36	18.54	0.00	19.00	17.70	17.84	18.03	0.00	18.50	17.2	17.5	17.5	0.0	18.0
			1	26	18.17	18.28	18.53	0.00	19.00	17.67	17.85	18.00	0.00	18.50	17.1	17.3	17.7	0.0	18.0
			1	49	18.25	18.34	18.63	0.00	19.00	17.72	17.94	18.06	0.00	18.50	17.1	17.3	17.7	0.0	18.0
			25	0	18.15	18.42	18.54	0.00	19.00	17.62	17.91	18.02	0.00	18.50	17.3	17.3	17.5	0.0	18.0
			25	13	18.17	18.43	18.50	0.00	19.00	17.64	17.93	17.99	0.00	18.50	17.2	17.3	17.6	0.0	18.0
			25	26	18.16	18.38	18.47	0.00	19.00	17.69	17.84	17.99	0.00	18.50	17.3	17.4	17.6	0.0	18.0
			50	0	18.16	18.39	18.48	0.00	19.00	17.64	17.91	17.99	0.00	18.50	17.1	17.4	17.5	0.0	18.0
		16QAM	1	1	18.46	18.02	18.59	0.00	19.00	17.97	17.53	18.13	0.00	18.50	17.5	17.1	17.8	0.0	18.0
		64QAM	1	1	17.81	18.05	18.13	0.00	19.00	17.36	17.81	17.65	0.00	18.50	16.9	17.3	17.2	0.0	18.0
		256QAM	1	1	18.38	18.37	18.58	0.00	19.00	17.86	17.83	18.08	0.00	18.50	17.5	17.3	17.6	0.0	18.0
	CP-OFDM	QPSK	1	1	18.19	18.40	18.50	0.00	19.00	17.76	17.84	18.01	0.00	18.50	17.4	17.3	17.6	0.0	18.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					630500.00	633334.00	636166.00			630500.00	633334.00	636166.00			630500	633334	636166		
					3457.5 MHz	3500.01 MHz	3542.49 MHz			3457.5 MHz	3500.01 MHz	3542.49 MHz			3457.5 MHz	3500.01 MHz	3542.49 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	18.14	18.38	18.43	0.00	19.00	17.53	17.83	18.00	0.00	18.50	16.9	17.3	17.5	0.0	18.0
			1	19	18.15	18.32	18.40	0.00	19.00	17.56	17.81	17.97	0.00	18.50	17.0	17.4	17.6	0.0	18.0
			1	36	18.21	18.35	18.58	0.00	19.00	17.64	17.79	18.12	0.00	18.50	17.1	17.3	17.6	0.0	18.0
			18	0	18.09	18.33	18.46	0.00	19.00	17.53	17.83	18.00	0.00	18.50	17.0	17.2	17.5	0.0	18.0
			18	10	18.07	18.38	18.40	0.00	19.00	17.50	17.86	17.95	0.00	18.50	17.1	17.4	17.4	0.0	18.0
			18	20	18.15	18.35	18.46	0.00	19.00	17.57	17.82	17.97	0.00	18.50	17.2	17.3	17.4	0.0	18.0
			36	0	18.07	18.32	18.45	0.00	19.00	17.56	17.81	17.94	0.00	18.50	17.1	17.2	17.5	0.0	18.0
		QPSK	1	1	18.07	18.40	18.48	0.00	19.00	17.58	17.96	17.94	0.00	18.50	17.1	17.5	17.6	0.0	18.0
			1	19	18.06	18.42	18.43	0.00	19.00	17.56	17.94	17.96	0.00	18.50	17.0	17.4	17.5	0.0	18.0
			1	36	18.19	18.43	18.61	0.00	19.00	17.68	17.95	18.11	0.00	18.50	17.3	17.5	17.7	0.0	18.0
			18	0	18.05	18.30	18.45	0.00	19.00	17.51	17.79	17.99	0.00	18.50	16.9	17.2	17.6	0.0	18.0
			18	10	18.05	18.37	18.46	0.00	19.00	17.50	17.84	17.93	0.00	18.50	16.9	17.5	17.5	0.0	18.0
			18	20	18.11	18.35	18.50	0.00	19.00	17.57	17.83	17.97	0.00	18.50	17.2	17.3	17.3	0.0	18.0
			36	0	18.07	18.33	18.42	0.00	19.00	17.54	17.80	17.93	0.00	18.50	17.1	17.3	17.4	0.0	18.0
		16QAM	1	1	18.31	18.53	18.58	0.00	19.00	17.78	17.87	18.07	0.00	18.50	17.3	17.3	17.4	0.0	18.0
		64QAM	1	1	17.84	18.14	18.19	0.00	19.00	17.34	17.71	17.74	0.00	18.50	16.9	17.2	17.1	0.0	18.0
		256QAM	1	1	18.16	17.97	18.60	0.00	19.00	17.65	17.61	18.12	0.00	18.50	17.1	17.1	17.6	0.0	18.0
	CP-OFDM	QPSK	1	1	17.97	18.40	18.45	0.00	19.00	17.53	17.93	18.02	0.00	18.50	17.1	17.4	17.6	0.0	18.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					630334.00	633334.00	636332.00			630334.00	633334.00	636332.00			630334	633334	636332		
					3455.01 MHz	3500.01 MHz	3544.98 MHz			3455.01 MHz	3500.01 MHz	3544.98 MHz			3455.01 MHz	3500.01 MHz	3544.98 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.98	18.30	18.36	0.00	19.00	17.52	17.84	17.84	0.00	18.50	16.9	17.5	17.4	0.0	18.0
			1	12	17.96	18.26	18.48	0.00	19.00	17.50	17.82	17.94	0.00	18.50	17.1	17.4	17.4	0.0	18.0
			1	22	17.99	18.41	18.51	0.00	19.00	17.55	17.79	17.95	0.00	18.50	17.0	17.4	17.5	0.0	18.0
			12	0	17.97	18.24	18.40	0.00	19.00	17.47	17.70	17.85	0.00	18.50	16.9	17.3	17.3	0.0	18.0
			12	6	17.98	18.34	18.42	0.00	19.00	17.50	17.76	17.84	0.00	18.50	16.9	17.1	17.3	0.0	18.0
			12	12	18.01	18.38	18.52	0.00	19.00	17.52	17.75	18.00	0.00	18.50	17.0	17.1	17.4	0.0	18.0
			24	0	18.00	18.20	18.39	0.00	19.00	17.50	17.73	17.84	0.00	18.50	17.1	17.1	17.2	0.0	18.0
		QPSK	1	1	17.95	18.20	18.33	0.00	19.00	17.43	17.75	17.82	0.00	18.50	16.9	17.2	17.4	0.0	18.0
			1	12	17.92	18.28	18.45	0.00	19.00	17.42	17.73	17.90	0.00	18.50	17.0	17.2	17.4	0.0	18.0
			1	22	17.93	18.34	18.49	0.00	19.00	17.45	17.85	17.96	0.00	18.50	17.0	17.4	17.4	0.0	18.0
			12	0	17.97	18.20	18.40	0.00	19.00	17.50	17.71	17.89	0.00	18.50	17.0	17.1	17.3	0.0	18.0
			12	6	18.01	18.19	18.40	0.00	19.00	17.47	17.84	17.86	0.00	18.50	16.9	17.3	17.4	0.0	18.0
			12	12	17.99	18.17	18.50	0.00	19.00	17.47	17.94	17.97	0.00	18.50	17.0	17.4	17.5	0.0	18.0
			24	0	18.01	18.24	18.35	0.00	19.00	17.47	17.71	17.88	0.00	18.50	16.9	17.3	17.3	0.0	18.0
		16QAM	1	1	18.21	18.50	18.35	0.00	19.00	17.71	18.02	17.98	0.00	18.50	17.1	17.6	17.5	0.0	18.0
		64QAM	1	1	17.70	17.73	18.13	0.00	19.00	17.19	17.23	17.62	0.00	18.50	16.6	16.8	17.2	0.0	18.0
		256QAM	1	1	18.18	18.21	18.20	0.00	19.00	17.66	17.72	17.69	0.00	18.50	17.2	17.4	17.2	0.0	18.0
	CP-OFDM	QPSK	1	1	18.12	18.19	18.46	0.00	19.00	17.60	17.71	17.90	0.00	18.50	17.0	17.3	17.4	0.0	18.0

Notes:

NR Band n77-DoD (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n77 (SA mode Ant F) (Voice/data/SRS0) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)													
					DSI = 3					DSI = 0, 1					DSI = 2			
					Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					650000.00	656600.00	662000.00			650000.00	656600.00	662000.00			650000	656600	662000		
					3750 MHz	3840 MHz	3930 MHz			3750 MHz	3840 MHz	3930 MHz			3750 MHz	3840 MHz	3930 MHz		
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.63		17.99	0.00	19.00	17.11		17.91	0.00	18.50	16.7		17.4	0.0	18.0
			1	137	17.94		17.83	0.00	19.00	17.33		17.64	0.00	18.50	17.0		17.2	0.0	18.0
			1	271	17.94		17.85	0.00	19.00	17.36		17.59	0.00	18.50	17.0		17.1	0.0	18.0
			135	0	17.75		17.98	0.00	19.00	17.15		17.81	0.00	18.50	16.7		17.3	0.0	18.0
			135	69	17.88		17.88	0.00	19.00	17.36		17.63	0.00	18.50	16.9		17.2	0.0	18.0
			135	138	17.85		17.81	0.00	19.00	17.30		17.55	0.00	18.50	16.9		17.1	0.0	18.0
			270	0	17.73		17.97	0.00	19.00	17.11		17.67	0.00	18.50	16.7		17.2	0.0	18.0
		QPSK	1	1	17.59		18.13	0.00	19.00	17.07		17.76	0.00	18.50	16.6		17.2	0.0	18.0
			1	137	17.82		18.14	0.00	19.00	17.32		17.72	0.00	18.50	16.9		17.2	0.0	18.0
			1	271	17.89		18.16	0.00	19.00	17.34		17.78	0.00	18.50	16.9		17.3	0.0	18.0
			135	0	17.73		18.24	0.00	19.00	17.10		17.74	0.00	18.50	16.7		17.3	0.0	18.0
			135	69	17.86		18.27	0.00	19.00	17.30		17.78	0.00	18.50	16.8		17.3	0.0	18.0
			135	138	17.83		18.09	0.00	19.00	17.25		17.57	0.00	18.50	16.8		17.2	0.0	18.0
			270	0	17.76		18.20	0.00	19.00	17.21		17.63	0.00	18.50	16.7		17.2	0.0	18.0
		16QAM	1	1	17.65		18.48	0.00	19.00	17.07		18.00	0.00	18.50	16.6		17.5	0.0	18.0
			1	137	17.90		18.20	0.00	19.00	17.38		17.75	0.00	18.50	16.9		17.5	0.0	18.0
			1	271	17.90		18.11	0.00	19.00	17.42		17.64	0.00	18.50	16.9		17.2	0.0	18.0
		64QAM	1	1	17.87		18.42	0.00	19.00	17.38		17.93	0.00	18.50	16.8		17.1	0.0	18.0
		256QAM	1	1	17.70		18.51	0.00	19.00	17.21		17.97	0.00	18.50	16.7		17.5	0.0	18.0
	CP-OFDM	QPSK	1	1	17.60		18.42	0.00	19.00	17.11		17.82	0.00	18.50	16.6		17.3	0.0	18.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					649668.00	656600.00	662332.00			649668.00	656000.00	662332.00			649668	656000	662332		
					3745.02 MHz	3840 MHz	3934.98 MHz			3745.02 MHz	3840 MHz	3934.98 MHz			3745.02 MHz	3840 MHz	3934.98 MHz		
90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.59	17.86	18.04	0.00	19.00	17.02	17.24	17.70	0.00	18.50	16.6	16.7	17.2	0.0	18.0
			1	123	17.89	18.28	17.97	0.00	19.00	17.31	17.67	17.57	0.00	18.50	16.8	17.2	17.1	0.0	18.0
			1	243	17.92	18.31	17.96	0.00	19.00	17.39	17.65	17.50	0.00	18.50	16.9	17.2	17.0	0.0	18.0
			120	0	17.64	18.06	18.03	0.00	19.00	17.11	17.51	17.64	0.00	18.50	16.5	17.1	17.2	0.0	18.0
			120	63	17.80	18.11	17.88	0.00	19.00	17.34	17.53	17.50	0.00	18.50	16.8	17.0	16.9	0.0	18.0
			120	125	17.81	18.13	17.86	0.00	19.00	17.32	17.58	17.36	0.00	18.50	16.8	17.1	16.9	0.0	18.0
			243	0	17.76	18.12	17.86	0.00	19.00	17.31	17.57	17.40	0.00	18.50	16.9	17.0	16.9	0.0	18.0
		QPSK	1	1	17.56	18.01	18.10	0.00	19.00	17.01	17.35	17.73	0.00	18.50	16.5	16.9	17.3	0.0	18.0
			1	123	17.85	17.98	17.93	0.00	19.00	17.31	17.38	17.43	0.00	18.50	16.8	16.8	17.0	0.0	18.0
			1	243	17.64	17.95	17.97	0.00	19.00	17.34	17.38	17.44	0.00	18.50	16.8	16.8	17.0	0.0	18.0
			120	0	17.78	18.08	18.06	0.00	19.00	17.11	17.57	17.56	0.00	18.50	16.6	17.1	17.1	0.0	18.0
			120	63	17.79	18.12	17.90	0.00	19.00	17.29	17.58	17.45	0.00	18.50	16.8	17.1	16.9	0.0	18.0
			120	125	17.79	18.16	17.86	0.00	19.00	17.31	17.52	17.37	0.00	18.50	16.8	17.0	16.8	0.0	18.0
			243	0	17.77	18.05	17.93	0.00	19.00	17.25	17.61	17.48	0.00	18.50	16.8	17.2	17.0	0.0	18.0
		16QAM	1	1	17.70	17.44	17.88	0.00	19.00	17.07	17.63	17.53	0.00	18.50	16.6	17.1	17.0	0.0	18.0
		64QAM	1	1	17.14	17.50	17.96	0.00	19.00	16.63	17.21	17.49	0.00	18.50	16.2	16.6	17.0	0.0	18.0
		256QAM	1	1	17.67	17.51	18.16	0.00	19.00	16.64	17.21	17.68	0.00	18.50	16.2	16.8	17.1	0.0	18.0
	CP-OFDM	QPSK	1	1	17.61	17.48	18.25	0.00	19.00	17.06	17.47	17.76	0.00	18.50	16.6	16.9	17.3	0.0	18.0

Notes:

NR Band n77 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer

NR Band n77 (SA mode Ant F) (Voice/data/SRS0) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					649334.00	656000.00	662666.00			649334.00	656000.00	662666.00			649334	656000	662666		
					3740.01 MHz	3840 MHz	3939.99 MHz			3740.01 MHz	3840 MHz	3939.99 MHz			3740.01 MHz	3840 MHz	3939.99 MHz		
80 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.58	17.76	17.86	0.00	19.00	17.09	17.15	17.42	0.00	18.50	16.6	16.7	16.9	0.0	18.0
			1	109	17.86	18.15	17.72	0.00	19.00	17.29	17.56	17.30	0.00	18.50	16.8	17.1	16.9	0.0	18.0
			1	215	17.85	17.99	17.77	0.00	19.00	17.33	17.39	17.27	0.00	18.50	16.9	16.9	16.8	0.0	18.0
			108	0	17.63	18.01	17.85	0.00	19.00	17.14	17.41	17.40	0.00	18.50	16.6	16.8	16.8	0.0	18.0
			108	55	17.79	18.18	17.79	0.00	19.00	17.26	17.59	17.35	0.00	18.50	16.8	17.2	16.8	0.0	18.0
			108	109	17.77	18.14	17.71	0.00	19.00	17.26	17.64	17.22	0.00	18.50	16.7	17.2	16.6	0.0	18.0
			216	0	17.79	18.07	17.81	0.00	19.00	17.27	17.49	17.31	0.00	18.50	16.8	17.1	16.8	0.0	18.0
		QPSK	1	1	17.53	17.82	17.85	0.00	19.00	17.03	17.32	17.34	0.00	18.50	16.6	16.8	16.9	0.0	18.0
			1	109	17.83	18.19	17.66	0.00	19.00	17.27	17.70	17.14	0.00	18.50	16.8	17.3	16.7	0.0	18.0
			1	215	17.80	18.11	17.80	0.00	19.00	17.25	17.59	17.16	0.00	18.50	16.8	17.2	16.7	0.0	18.0
			108	0	17.65	18.02	17.86	0.00	19.00	17.07	17.52	17.34	0.00	18.50	16.6	17.0	16.9	0.0	18.0
			108	55	17.80	18.17	17.88	0.00	19.00	17.26	17.62	17.32	0.00	18.50	16.8	17.2	16.8	0.0	18.0
			108	109	17.77	18.16	17.81	0.00	19.00	17.25	17.61	17.22	0.00	18.50	16.7	17.2	16.7	0.0	18.0
			216	0	17.75	18.02	17.85	0.00	19.00	17.26	17.49	17.32	0.00	18.50	16.7	17.0	16.9	0.0	18.0
		16QAM	1	1	17.63	17.78	18.09	0.00	19.00	17.08	17.28	17.58	0.00	18.50	16.7	16.8	17.1	0.0	18.0
		64QAM	1	1	17.34	17.45	17.66	0.00	19.00	16.78	16.94	17.10	0.00	18.50	16.3	16.5	16.5	0.0	18.0
		256QAM	1	1	17.35	17.63	17.88	0.00	19.00	16.80	17.12	17.40	0.00	18.50	16.4	16.6	16.9	0.0	18.0
	CP-OFDM	QPSK	1	1	17.68	17.78	17.99	0.00	19.00	17.38	17.25	17.45	0.00	18.50	16.9	16.7	16.9	0.0	18.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit
					649000.00	653666.00	658334.00	663000.00			649000.00	653666.00	658334.00	663000.00			649000	653666	658334	663000		
					3735 MHz	3804.99 MHz	3875.01 MHz	3945 MHz			3735 MHz	3804.99 MHz	3875.01 MHz	3945 MHz			3735 MHz	3804.99 MHz	3875.01 MHz	3945 MHz		
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.53	17.49	18.27	17.93	0.00	19.00	16.93	17.05	17.60	17.56	0.00	18.50	16.5	16.5	17.1	17.1	0.0	18.0
			1	95	17.74	17.87	18.23	17.73	0.00	19.00	17.18	17.42	17.57	17.28	0.00	18.50	16.6	16.9	17.0	16.8	0.0	18.0
			1	188	17.68	17.99	17.92	17.73	0.00	19.00	17.16	17.56	17.33	17.35	0.00	18.50	16.6	17.0	16.8	16.9	0.0	18.0
			90	0	17.58	17.67	18.18	17.82	0.00	19.00	17.01	17.18	17.66	17.35	0.00	18.50	16.4	16.7	17.1	16.8	0.0	18.0
			90	50	17.69	17.90	18.17	17.79	0.00	19.00	17.15	17.42	17.56	17.33	0.00	18.50	16.7	17.0	17.1	16.8	0.0	18.0
			90	99	17.72	17.98	18.07	17.81	0.00	19.00	17.17	17.47	17.49	17.32	0.00	18.50	16.6	16.9	17.0	16.8	0.0	18.0
			180	0	17.74	17.90	18.25	17.93	0.00	19.00	17.16	17.39	17.66	17.43	0.00	18.50	16.6	16.9	17.2	16.9	0.0	18.0
		QPSK	1	1	17.64	17.64	18.27	17.98	0.00	19.00	17.04	17.16	17.74	17.53	0.00	18.50	16.5	16.6	17.3	17.1	0.0	18.0
			1	95	17.80	18.00	18.23	17.78	0.00	19.00	17.29	17.46	17.73	17.28	0.00	18.50	16.8	17.0	17.2	16.7	0.0	18.0
			1	188	17.75	18.11	17.94	17.85	0.00	19.00	17.17	17.60	17.42	17.34	0.00	18.50	16.6	17.1	17.0	16.8	0.0	18.0
			90	0	17.59	17.68	18.16	17.90	0.00	19.00	17.03	17.18	17.71	17.40	0.00	18.50	16.5	16.8	17.3	16.9	0.0	18.0
			90	50	17.73	17.97	18.11	17.83	0.00	19.00	17.18	17.37	17.56	17.30	0.00	18.50	16.6	16.9	17.1	16.8	0.0	18.0
			90	99	17.75	18.03	18.02	17.79	0.00	19.00	17.22	17.49	17.45	17.31	0.00	18.50	16.8	17.0	17.0	16.9	0.0	18.0
			180	0	17.72	17.93	18.20	17.93	0.00	19.00	17.17	17.33	17.67	17.43	0.00	18.50	16.7	16.9	17.1	16.9	0.0	18.0
		16QAM	1	1	17.53	17.43	18.41	18.04	0.00	19.00	16.99	16.89	17.83	17.52	0.00	18.50	16.4	16.4	17.4	17.1	0.0	18.0
		64QAM	1	1	17.37	17.22	18.12	17.72	0.00	19.00	16.83	16.70	17.52	17.25	0.00	18.50	16.3	16.1	17.1	16.8	0.0	18.0
		256QAM	1	1	17.75	17.45	18.14	18.18	0.00	19.00	17.22	16.90	17.64	17.64	0.00	18.50	16.8	16.4	17.1	17.1	0.0	18.0
	CP-OFDM	QPSK	1	1	17.56	17.56	18.21	18.13	0.00	19.00	17.07	17.02	17.64	17.57	0.00	18.50	16.6	16.6	17.2	17.0	0.0	18.0

Notes:

NR Band n77 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n77 (SA mode Ant F) (Voice/data/SRS0) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					648668.00	653556.00		658444.00	663332.00			648668.00	653556.00		658444.00	663332.00			648668	653556		658444	663332		
					3730.02 MHz	3803.34 MHz		3876.66 MHz	3949.98 MHz			3730.02 MHz	3803.34 MHz		3876.66 MHz	3949.98 MHz			3730.02 MHz	3803.34 MHz		3876.66 MHz	3949.98 MHz		
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.68	17.73		18.55	18.02	0.00	19.00	17.10	17.29		18.01	17.59	0.00	18.50	16.6	16.8		17.5	17.0	0.0	18.0
			1	81	17.81	18.01		18.38	17.92	0.00	19.00	17.24	17.52		17.85	17.47	0.00	18.50	16.8	17.0		17.4	17.0	0.0	18.0
			1	160	17.85	18.40		18.18	18.04	0.00	19.00	17.34	17.88		17.70	17.55	0.00	18.50	16.9	17.4		17.2	17.0	0.0	18.0
			81	0	17.69	17.89		18.40	18.06	0.00	19.00	17.15	17.38		17.91	17.52	0.00	18.50	16.6	16.9		17.4	17.0	0.0	18.0
			81	41	17.81	18.10		18.36	17.96	0.00	19.00	17.29	17.63		17.87	17.49	0.00	18.50	16.9	17.1		17.4	16.9	0.0	18.0
			81	81	17.86	18.29		18.30	18.03	0.00	19.00	17.32	17.77		17.76	17.53	0.00	18.50	16.9	17.3		17.2	17.0	0.0	18.0
			162	0	17.86	18.11		18.33	17.98	0.00	19.00	17.29	17.62		17.82	17.49	0.00	18.50	16.7	17.2		17.3	17.1	0.0	18.0
		QPSK	1	1	17.86	17.78		18.56	18.07	0.00	19.00	17.27	17.32		17.99	17.57	0.00	18.50	16.8	16.8		17.5	17.0	0.0	18.0
			1	81	17.88	18.08		18.33	17.92	0.00	19.00	17.36	17.52		17.84	17.48	0.00	18.50	16.8	17.0		17.4	17.0	0.0	18.0
			1	160	17.93	18.41		18.13	18.03	0.00	19.00	17.45	17.89		17.64	17.55	0.00	18.50	17.0	17.5		17.2	17.0	0.0	18.0
			81	0	17.72	17.88		18.44	18.05	0.00	19.00	17.17	17.37		17.95	17.55	0.00	18.50	16.6	16.9		17.5	17.0	0.0	18.0
			81	41	17.83	18.12		18.34	18.00	0.00	19.00	17.27	17.64		17.82	17.48	0.00	18.50	16.9	17.2		17.3	16.9	0.0	18.0
			81	81	17.85	18.28		18.29	18.05	0.00	19.00	17.29	17.76		17.76	17.51	0.00	18.50	16.9	17.3		17.2	17.1	0.0	18.0
			162	0	17.82	18.11		18.38	18.02	0.00	19.00	17.31	17.65		17.86	17.54	0.00	18.50	16.8	17.2		17.4	17.0	0.0	18.0
		16QAM	1	1	17.80	17.89		18.64	17.83	0.00	19.00	17.28	17.35		18.12	17.33	0.00	18.50	16.8	16.8		17.7	16.8	0.0	18.0
		64QAM	1	1	17.36	17.63		18.22	17.69	0.00	19.00	16.81	17.15		17.72	17.12	0.00	18.50	16.4	16.6		17.2	16.6	0.0	18.0
		256QAM	1	1	17.68	17.88		18.50	18.05	0.00	19.00	17.11	17.39		18.01	17.55	0.00	18.50	16.6	16.9		17.5	17.1	0.0	18.0
	CP-OFDM	QPSK	1	1	17.59	17.92		18.64	18.05	0.00	19.00	17.12	17.32		18.09	17.57	0.00	18.50	16.6	16.7		17.6	17.1	0.0	18.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit	Measured Pwr (dBm)						MPR	Tune-up Limit	Measured Pwr (dBm)						MPR	Tune-up Limit
					648334.00	652166.00	656000.00		659834.00	663666.00			648334.00	652166.00	656000.00		659834.00	663666.00			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			3725.01 MHz	3782.49 MHz	3840 MHz		3897.51 MHz	3954.99 MHz		
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.82	17.77	18.18		18.44	18.42	0.00	19.00	17.19	17.24	17.75		17.79	17.98	0.00	18.50	16.7	16.8	17.2		17.3	17.4	0.0	18.0
			1	67	17.95	18.04	18.38		18.20	18.47	0.00	19.00	17.30	17.43	17.94		17.60	18.06	0.00	18.50	16.8	16.9	17.5		17.1	17.6	0.0	18.0
			1	131	17.89	18.27	18.48		18.12	18.40	0.00	19.00	17.25	17.72	18.01		17.60	17.99	0.00	18.50	16.7	17.1	17.5		17.0	17.5	0.0	18.0
			64	0	17.82	17.84	18.33		18.34	18.43	0.00	19.00	17.18	17.28	17.85		17.76	17.95	0.00	18.50	16.8	16.8	17.3		17.2	17.4	0.0	18.0
			64	35	17.95	17.98	18.42		18.31	18.41	0.00	19.00	17.32	17.46	17.94		17.83	17.97	0.00	18.50	16.9	16.9	17.4		17.3	17.5	0.0	18.0
			64	69	17.89	18.04	18.40		18.24	18.44	0.00	19.00	17.32	17.52	17.97		17.66	17.94	0.00	18.50	16.7	17.0	17.5		17.1	17.4	0.0	18.0
			128	0	17.90	17.96	18.41		18.36	18.40	0.00	19.00	17.34	17.42	17.93		17.76	17.93	0.00	18.50	16.9	17.0	17.4		17.3	17.4	0.0	18.0
		QPSK	1	1	17.82	17.77	18.23		18.39	18.50	0.00	19.00	17.24	17.26	17.70		17.81	17.98	0.00	18.50	16.7	16.8	17.2		17.2	17.5	0.0	18.0
			1	67	17.98	18.02	18.46		18.16	18.52	0.00	19.00	17.42	17.44	17.93		17.64	18.04	0.00	18.50	17.0	16.9	17.5		17.2	17.6	0.0	18.0
			1	131	17.94	18.24	18.45		18.18	18.46	0.00	19.00	17.31	17.77	18.01		17.63	17.93	0.00	18.50	16.8	17.2	17.5		17.1	17.4	0.0	18.0
			64	0	17.83	17.83	18.35		18.31	18.45	0.00	19.00	17.21	17.35	17.87		17.79	17.97	0.00	18.50	16.7	16.8	17.5		17.4	17.4	0.0	18.0
			64	35	17.89	17.97	18.41		18.36	18.36	0.00	19.00	17.37	17.43	17.97		17.78	17.97	0.00	18.50	16.9	17.0	17.4		17.3	17.5	0.0	18.0
			64	69	17.89	18.03	18.44		18.24	18.45	0.00	19.00	17.31	17.52	17.96		17.69	17.96	0.00	18.50	16.8	17.1	17.5		17.3	17.4	0.0	18.0
			128	0	17.87	17.94	18.45		18.33	18.39	0.00	19.00	17.31	17.40	17.89		17.79	17.96	0.00	18.50	16.8	16.9	17.5		17.3	17.4	0.0	18.0
		16QAM	1	1	17.75	17.78	17.99		18.34	18.21	0.00	19.00	17.18	17.27	17.55		17.76	17.74	0.00	18.50	16.7	16.7	17.1		17.2	17.3	0.0	18.0
		64QAM	1	1	17.87	17.27	17.91		18.08	18.27	0.00	19.00	17.21	16.69	17.45		17.59	17.77	0.00	18.50	16.7	16.3	17.0		17.1	17.3	0.0	18.0
		256QAM	1	1	17.53	17.65	18.34		18.34	18.35	0.00	19.00	17.01	17.12	17.79		17.79	17.86	0.00	18.50	16.5	16.7	17.3		17.3	17.4	0.0	18.0
	CP-OFDM	QPSK	1	1	17.98	17.71	18.21		18.77	18.79	0.00	19.00	17.42	17.23	17.66		18.11	18.28	0.00	18.50	16.9	16.7	17.2		17.6	17.8	0.0	18.0

Notes:

NR Band n77 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n77 (SA mode Ant F) (Voice/data/SRS0) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit	Measured Pwr (dBm)						MPR	Tune-up Limit	Measured Pwr (dBm)						MPR	Tune-up Limit
					648000.00	651200.00	654400.00	657600.00	660800.00	664000.00			648000.00	651200.00	654400.00	657600.00	660800.00	664000.00			648000	651200	654400	657600	660800	664000		
					3720 MHz	3768 MHz	3816 MHz	3864 MHz	3912 MHz	3960 MHz			3720 MHz	3768 MHz	3816 MHz	3864 MHz	3912 MHz	3960 MHz			3720 MHz	3768 MHz	3816 MHz	3864 MHz	3912 MHz	3960 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	18.17	17.92	18.48	18.68	18.65	18.68	0.00	19.00	17.59	17.54	17.85	18.26	17.98	18.27	0.00	18.50	17.1	17.0	17.3	17.8	17.4	17.8	0.0	18.0
			1	53	18.04	18.04	18.43	18.60	18.36	18.67	0.00	19.00	17.43	17.55	17.84	18.15	17.82	18.29	0.00	18.50	16.9	17.1	17.4	17.7	17.3	17.9	0.0	18.0
			1	104	18.13	18.17	18.56	18.48	18.34	18.78	0.00	19.00	17.56	17.75	18.05	17.99	17.78	18.28	0.00	18.50	17.1	17.2	17.6	17.5	17.3	17.8	0.0	18.0
			50	0	18.12	17.93	18.32	18.68	18.49	18.71	0.00	19.00	17.46	17.49	17.79	18.17	17.93	18.19	0.00	18.50	17.0	17.0	17.2	17.7	17.4	17.8	0.0	18.0
			50	28	18.06	17.99	18.38	18.63	18.34	18.72	0.00	19.00	17.45	17.49	17.83	18.16	17.78	18.24	0.00	18.50	17.0	17.0	17.4	17.7	17.3	17.7	0.0	18.0
			50	56	18.07	18.05	18.48	18.49	18.23	18.72	0.00	19.00	17.51	17.52	17.96	18.11	17.73	18.22	0.00	18.50	17.1	17.0	17.4	17.6	17.3	17.7	0.0	18.0
			100	0	18.06	18.03	18.44	18.68	18.32	18.76	0.00	19.00	17.53	17.48	17.89	18.19	17.81	18.27	0.00	18.50	17.0	17.0	17.4	17.7	17.2	17.8	0.0	18.0
		QPSK	1	1	18.23	17.98	18.43	18.77	18.50	18.76	0.00	19.00	17.67	17.46	17.88	18.28	17.96	18.30	0.00	18.50	17.2	16.9	17.3	17.8	17.5	17.7	0.0	18.0
			1	53	17.98	17.99	18.41	18.63	18.25	18.74	0.00	19.00	17.48	17.48	17.91	18.17	17.75	18.27	0.00	18.50	17.0	17.0	17.4	17.7	17.3	17.8	0.0	18.0
			1	104	18.14	18.17	18.59	18.52	18.24	18.78	0.00	19.00	17.60	17.72	18.04	18.01	17.69	18.32	0.00	18.50	17.0	17.3	17.6	17.5	17.3	17.8	0.0	18.0
			50	0	18.09	17.96	18.28	18.68	18.43	18.74	0.00	19.00	17.52	17.43	17.83	18.17	17.96	18.21	0.00	18.50	17.1	16.9	17.4	17.6	17.4	17.7	0.0	18.0
			50	28	18.04	18.04	18.39	18.66	18.35	18.70	0.00	19.00	17.51	17.53	17.88	18.14	17.79	18.26	0.00	18.50	17.0	17.1	17.3	17.7	17.2	17.7	0.0	18.0
			50	56	18.14	18.02	18.48	18.55	18.24	18.68	0.00	19.00	17.60	17.52	17.95	18.08	17.76	18.25	0.00	18.50	17.2	17.0	17.4	17.5	17.3	17.8	0.0	18.0
			100	0	18.07	18.08	18.40	18.63	18.36	18.75	0.00	19.00	17.54	17.52	17.88	18.16	17.88	18.31	0.00	18.50	17.1	17.0	17.4	17.7	17.5	17.8	0.0	18.0
		16QAM	1	1	18.31	17.74	18.71	18.84	18.65	18.82	0.00	19.00	17.75	17.29	18.21	18.40	18.11	18.35	0.00	18.50	17.2	16.8	17.7	17.8	17.6	17.9	0.0	18.0
		64QAM	1	1	18.03	17.57	18.21	18.45	18.35	18.33	0.00	19.00	17.49	17.11	17.69	17.95	17.86	17.82	0.00	18.50	17.0	16.5	17.2	17.4	17.3	17.4	0.0	18.0
		256QAM	1	1	18.15	18.04	18.28	18.74	18.42	18.77	0.00	19.00	17.57	17.56	17.76	18.18	17.89	18.33	0.00	18.50	17.1	17.0	17.2	17.6	17.3	17.8	0.0	18.0
	CP-OFDM	QPSK	1	1	18.12	18.09	18.32	18.78	18.48	18.72	0.00	19.00	17.67	17.58	17.88	18.29	18.01	18.24	0.00	18.50	17.2	17.1	17.4	17.8	17.4	17.7	0.0	18.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit	Measured Pwr (dBm)						MPR	Tune-up Limit	Measured Pwr (dBm)						MPR	Tune-up Limit
					647668.00	651000.00	654334.00	657666.00	661000.00	664332.00			647668.00	651000.00	654334.00	657666.00	661000.00	664332.00			647668	651000	654334	657666	661000	664332		
					3715.02 MHz	3765 MHz	3815.01 MHz	3864.99 MHz	3915 MHz	3964.98 MHz			3715.02 MHz	3765 MHz	3815.01 MHz	3864.99 MHz	3915 MHz	3964.98 MHz			3715.02 MHz	3765 MHz	3815.01 MHz	3864.99 MHz	3915 MHz	3964.98 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	18.08	17.77	18.31	18.71	18.32	18.63	0.00	19.00	17.49	17.36	17.70	17.30	17.62	18.12	0.00	18.50	17.1	16.9	17.2	16.8	17.2	17.7	0.0	18.0
			1	39	18.08	17.88	18.36	18.59	18.22	18.66	0.00	19.00	17.48	17.38	17.81	17.30	17.64	18.13	0.00	18.50	17.0	16.9	17.4	16.8	17.2	17.7	0.0	18.0
			1	76	18.11	18.03	18.53	18.39	18.18	18.57	0.00	19.00	17.56	17.54	17.93	17.79	17.61	18.16	0.00	18.50	17.1	17.0	17.4	17.3	17.1	17.7	0.0	18.0
			36	0	18.03	17.96	18.33	18.53	18.18	18.57	0.00	19.00	17.47	17.38	17.73	17.38	17.72	18.11	0.00	18.50	17.0	16.9	17.3	16.8	17.2	17.7	0.0	18.0
			36	21	18.02	17.93	18.36	18.48	18.15	18.48	0.00	19.00	17.48	17.37	17.85	17.36	17.67	18.04	0.00	18.50	17.1	16.8	17.4	16.8	17.2	17.5	0.0	18.0
			36	42	18.06	18.02	18.47	18.41	18.10	18.55	0.00	19.00	17.49	17.51	17.96	17.31	17.62	18.09	0.00	18.50	16.9	17.0	17.5	16.8	17.1	17.6	0.0	18.0
			75	0	18.07	17.89	18.39	18.52	18.20	18.62	0.00	19.00	17.52	17.43	17.92	17.40	17.71	18.18	0.00	18.50	17.1	17.0	17.4	16.8	17.3	17.7	0.0	18.0
		QPSK	1	1	18.12	17.89	18.26	18.49	18.30	18.66	0.00	19.00	17.60	17.38	17.73	17.40	17.79	18.19	0.00	18.50	17.1	16.9	17.3	16.9	17.3	17.7	0.0	18.0
			1	39	18.08	17.94	18.36	18.46	18.15	18.65	0.00	19.00	17.55	17.46	17.79	17.41	17.69	18.21	0.00	18.50	17.1	16.9	17.4	16.9	17.2	17.7	0.0	18.0
			1	76	18.17	18.07	18.51	18.45	18.08	18.66	0.00	19.00	17.65	17.58	17.95	17.20	17.65	18.17	0.00	18.50	17.2	17.1	17.5	16.8	17.2	17.7	0.0	18.0
			36	0	18.00	17.90	18.32	18.57	18.14	18.53	0.00	19.00	17.48	17.38	17.75	17.40	17.71	18.09	0.00	18.50	17.0	16.9	17.2	16.9	17.3	17.6	0.0	18.0
			36	21	18.05	17.87	18.20	18.51	18.16	18.46	0.00	19.00	17.52	17.36	17.83	17.37	17.66	18.03	0.00	18.50	17.0	16.8	17.3	16.9	17.1	17.5	0.0	18.0
			36	42	18.08	18.04	18.49	18.43	18.13	18.49	0.00	19.00	17.56	17.47	18.01	17.32	17.64	18.11	0.00	18.50	17.1	17.0	17.5	16.8	17.1	17.6	0.0	18.0
			75	0	18.06	17.93	18.42	18.52	18.20	18.49	0.00	19.00	17.52	17.39	17.90	17.44	17.73	18.16	0.00	18.50	17.1	16.9	17.4	17.0	17.2	17.7	0.0	18.0
		16QAM	1	1	17.99	17.64	18.26	18.59	18.46	18.19	0.00	19.00	17.49	17.15	17.79	17.42	17.93	18.12	0.00	18.50	17.0	16.7	17.2	16.9	17.4	17.6	0.0	18.0
		64QAM	1	1	17.78	17.81	18.11	18.44	18.10	18.58	0.00	19.00	17.26	17.31	17.53	16.99	17.56	17.99	0.00	18.50	16.8	16.8	17.0	16.5	17.0	17.5	0.0	18.0
		256QAM	1	1	18.18	17.93	18.28	18.64	18.01	18.63	0.00	19.00	17.63	17.39	17.74	17.29	17.96	18.06	0.00	18.50	17.1	16.9	17.2	16.8	17.4	17.6	0.0	18.0
	CP-OFDM	QPSK	1	1	17.96	17.77	18.20	18.51	18.35	18.66	0.00	19.00	17.43	17.22	17.65	17.51	17.78	18.14	0.00	18.50	16.9	16.7	17.1	17.1	17.3	17.7	0.0	18.0

Notes:

NR Band n77 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n77 (SA mode Ant F) (Voice/data/SRS0) Measured Results_(Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit	Measured Pwr (dBm)						MPR	Tune-up Limit	Measured Pwr (dBm)						MPR	Tune-up Limit
					647334.00	650800.00	654266.00	657734.00	661200.00	664666.00			647334.00	650800.00	654266.00	657734.00	661200.00	664666.00			647334	650800	654266	657734	661200	664666		
					3710.01 MHz	3762 MHz	3813.99 MHz	3866.01 MHz	3918 MHz	3969.99 MHz			3710.01 MHz	3762 MHz	3813.99 MHz	3866.01 MHz	3918 MHz	3969.99 MHz			3710.01 MHz	3762 MHz	3813.99 MHz	3866.01 MHz	3918 MHz	3969.99 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.70	17.75	18.17	18.54	18.23	18.55	0.00	19.00	17.34	17.31	17.74	18.04	17.73	18.06	0.00	18.50	16.9	16.7	17.3	17.6	17.2	17.5	0.0	18.0
			1	26	17.70	17.71	18.20	18.38	18.19	18.45	0.00	19.00	17.29	17.33	17.78	17.93	17.71	17.98	0.00	18.50	16.8	16.8	17.2	17.4	17.3	17.5	0.0	18.0
			1	49	17.77	17.88	18.46	18.51	18.12	18.51	0.00	19.00	17.34	17.50	17.91	17.98	17.65	18.02	0.00	18.50	16.9	17.0	17.4	17.6	17.2	17.6	0.0	18.0
			25	0	17.70	17.80	18.28	18.52	18.22	18.52	0.00	19.00	17.26	17.37	17.85	18.09	17.80	18.01	0.00	18.50	16.8	16.9	17.4	17.7	17.4	17.4	0.0	18.0
			25	13	17.72	17.76	18.25	18.42	18.22	18.46	0.00	19.00	17.24	17.33	17.82	17.99	17.82	17.96	0.00	18.50	16.8	16.8	17.3	17.6	17.4	17.5	0.0	18.0
			25	26	17.85	17.92	18.30	18.49	18.16	18.52	0.00	19.00	17.31	17.46	17.89	18.06	17.71	18.02	0.00	18.50	16.8	17.0	17.3	17.5	17.2	17.5	0.0	18.0
			50	0	17.77	17.80	18.26	18.46	18.23	18.59	0.00	19.00	17.29	17.32	17.86	18.00	17.78	17.99	0.00	18.50	16.8	16.8	17.4	17.5	17.3	17.5	0.0	18.0
		QPSK	1	1	17.81	17.78	18.17	18.60	18.18	18.65	0.00	19.00	17.36	17.38	17.77	18.15	17.74	18.09	0.00	18.50	16.9	16.9	17.4	17.6	17.2	17.5	0.0	18.0
			1	26	17.80	17.73	18.24	18.49	18.18	18.48	0.00	19.00	17.30	17.35	17.83	18.05	17.67	17.99	0.00	18.50	16.8	16.8	17.3	17.6	17.3	17.4	0.0	18.0
			1	49	17.85	17.91	18.45	18.54	18.18	18.61	0.00	19.00	17.45	17.53	18.03	18.10	17.65	18.04	0.00	18.50	17.0	17.0	17.5	17.6	17.2	17.6	0.0	18.0
			25	0	17.73	17.78	18.26	18.55	18.28	18.55	0.00	19.00	17.31	17.35	17.83	18.11	17.77	18.09	0.00	18.50	16.8	16.9	17.4	17.6	17.3	17.6	0.0	18.0
			25	13	17.78	17.79	18.31	18.48	18.23	18.45	0.00	19.00	17.36	17.32	17.79	17.98	17.76	17.96	0.00	18.50	16.8	16.9	17.3	17.6	17.2	17.5	0.0	18.0
			25	26	17.80	17.91	18.31	18.50	18.18	18.53	0.00	19.00	17.48	17.46	17.87	17.99	17.65	18.00	0.00	18.50	16.9	17.0	17.4	17.5	17.2	17.6	0.0	18.0
			50	0	17.79	17.81	18.32	18.46	18.25	18.50	0.00	19.00	17.34	17.37	17.83	17.99	17.80	18.00	0.00	18.50	16.9	16.8	17.3	17.5	17.3	17.4	0.0	18.0
		16QAM	1	1	18.14	17.72	17.96	18.61	18.25	18.80	0.00	19.00	17.50	17.28	17.89	17.90	17.64	17.88	0.00	18.50	17.0	16.8	17.4	17.4	17.1	17.4	0.0	18.0
		64QAM	1	1	17.53	17.66	18.10	18.44	18.22	18.81	0.00	19.00	17.42	17.29	17.61	17.88	17.51	18.13	0.00	18.50	17.0	16.8	17.1	17.5	17.0	17.6	0.0	18.0
		256QAM	1	1	17.60	17.67	17.94	18.60	18.19	18.64	0.00	19.00	17.62	17.34	17.56	18.22	17.85	18.12	0.00	18.50	17.1	16.9	17.0	17.8	17.3	17.6	0.0	18.0
	CP-OFDM	QPSK	1	1	17.80	17.70	18.20	18.55	18.21	18.69	0.00	19.00	17.39	17.36	17.83	18.09	17.79	18.05	0.00	18.50	16.8	16.8	17.4	17.5	17.3	17.5	0.0	18.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit	Measured Pwr (dBm)						MPR	Tune-up Limit	Measured Pwr (dBm)						MPR	Tune-up Limit
					647168.00	650700.00	654234.00	657766.00	661300.00	664832.00			647168.00	650700.00	654234.00	657766.00	661300.00	664832.00			647168	650700	654234	657766	661300	664832		
					3707.52 MHz	3760.5 MHz	3813.51 MHz	3866.49 MHz	3919.5 MHz	3972.48 MHz			3707.52 MHz	3760.5 MHz	3813.51 MHz	3866.49 MHz	3919.5 MHz	3972.48 MHz			3707.52 MHz	3760.5 MHz	3813.51 MHz	3866.49 MHz	3919.5 MHz	3972.48 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.86	17.83	18.20	18.65	18.30	18.55	0.00	19.00	17.30	17.40	17.76	17.95	17.67	18.01	0.00	18.50	16.8	16.9	17.2	17.4	17.2	17.6	0.0	18.0
			1	19	17.82	17.79	18.22	18.42	18.22	18.51	0.00	19.00	17.28	17.38	17.79	17.81	17.64	17.96	0.00	18.50	16.8	17.0	17.2	17.4	17.2	17.4	0.0	18.0
			1	36	17.88	18.05	18.36	18.59	18.25	18.57	0.00	19.00	17.33	17.56	17.95	17.92	17.68	18.01	0.00	18.50	16.8	17.1	17.4	17.4	17.1	17.4	0.0	18.0
			18	0	17.77	17.85	18.28	18.55	18.24	18.49	0.00	19.00	17.24	17.36	17.83	18.04	17.70	17.99	0.00	18.50	16.8	16.9	17.3	17.6	17.2	17.5	0.0	18.0
			18	10	17.76	17.78	18.23	18.48	18.24	18.51	0.00	19.00	17.26	17.32	17.80	17.98	17.68	18.00	0.00	18.50	16.8	16.9	17.3	17.6	17.2	17.4	0.0	18.0
			18	20	17.86	17.87	18.33	18.47	18.18	18.49	0.00	19.00	17.36	17.39	17.81	17.94	17.62	18.05	0.00	18.50	16.9	16.8	17.3	17.4	17.1	17.6	0.0	18.0
			36	0	17.83	17.80	18.30	18.45	18.26	18.47	0.00	19.00	17.32	17.34	17.82	17.93	17.70	18.02	0.00	18.50	16.9	16.8	17.3	17.4	17.1	17.5	0.0	18.0
		QPSK	1	1	17.83	17.95	18.27	18.72	18.34	18.60	0.00	19.00	17.41	17.42	17.75	18.08	17.71	18.11	0.00	18.50	16.9	17.0	17.2	17.7	17.3	17.6	0.0	18.0
			1	19	17.77	17.87	18.32	18.53	18.29	18.51	0.00	19.00	17.33	17.35	17.75	17.82	17.64	18.04	0.00	18.50	16.9	16.8	17.3	17.3	17.1	17.6	0.0	18.0
			1	36	17.83	18.06	18.37	18.68	18.29	18.52	0.00	19.00	17.45	17.56	17.83	18.04	17.66	18.13	0.00	18.50	17.0	17.0	17.3	17.5	17.2	17.6	0.0	18.0
			18	0	17.76	17.80	18.30	18.57	18.26	18.50	0.00	19.00	17.45	17.31	17.82	18.01	17.75	18.04	0.00	18.50	17.0	16.8	17.3	17.6	17.2	17.5	0.0	18.0
			18	10	17.76	17.82	18.31	18.50	18.20	18.49	0.00	19.00	17.29	17.30	17.81	17.93	17.71	18.03	0.00	18.50	16.7	16.8	17.4	17.4	17.2	17.5	0.0	18.0
			18	20	17.87	17.86	18.31	18.52	18.23	18.53	0.00	19.00	17.38	17.33	17.82	17.95	17.64	18.03	0.00	18.50	16.8	16.8	17.3	17.4	17.2	17.5	0.0	18.0
			36	0	17.85	17.86	18.31	18.52	18.29	18.51	0.00	19.00	17.35	17.32	17.83	17.92	17.77	18.04	0.00	18.50	16.8	16.8	17.3	17.5	17.3	17.5	0.0	18.0
		16QAM	1	1	17.90	18.01	18.40	18.83	18.50	18.52	0.00	19.00	17.09	17.78	17.63	18.40	17.75	18.26	0.00	18.50	16.7	17.2	17.1	17.9	17.3	17.8	0.0	18.0
		64QAM	1	1	17.66	17.79	17.99	18.37	18.12	18.40	0.00	19.00	17.05	16.96	17.69	17.90	17.99	17.86	0.00	18.50	16.5	16.5	17.1	17.5	17.4	17.4	0.0	18.0
		256QAM	1	1	17.99	17.66	18.40	18.62	18.32	18.59	0.00	19.00	17.26	17.38	17.78	18.20	17.65	18.16	0.00	18.50	16.8	16.9	17.3	17.7	17.2	17.7	0.0	18.0
	CP-OFDM	QPSK	1	1	17.89	17.74	18.30	18.65	18.50	18.68	0.00	19.00	17.28	17.32	17.75	17.99	17.82	18.12	0.00	18.50	16.8	16.8	17.3	17.5	17.3	17.7	0.0	18.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit	Measured Pwr (dBm)						MPR	Tune-up Limit	Measured Pwr (dBm)						MPR	Tune-up Limit
					647000.00	650600.00	654200.00	657800.00	661400.00	665000.00			647000.00	650600.00	654200.00	657800.00	661400.00	665000.00			647000	650600	654200	657800	661400	665000		
					3705 MHz	3759 MHz	3813 MHz	3867 MHz	3921 MHz	3975 MHz			3705 MHz	3759 MHz	3813 MHz	3867 MHz	3921 MHz	3975 MHz			3705 MHz	3759 MHz	3813 MHz	3867 MHz	3921 MHz	3975 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.66	17.66	18.02	18.40	18.09	18.32	0.00	19.00	17.22	17.20	17.54	17.85	17.55	17.83	0.00	18.50	16.7	16.7	17.0	17.4	17.1	17.3	0.0	18.0
			1	12	17.69	17.72	18.11	18.45	18.16	18.31	0.00	19.00	17.28	17.28	17.63	17.88	17.65	17.82	0.00	18.50	16.8	16.8	17.1	17.4	17.1	17.3	0.0	18.0
			1	22	17.67	17.65	18.08	18.29	17.99	18.33	0.00	19.00	17.26	17.24	17.56	17.73	17.47	17.90	0.00	18.50	16.8	16.7	17.1	17.2	17.0	17.3	0.0	18.0
			12	0	17.64	17.71	18.06	18.34	18.08	18.31	0.00	19.00	17.27	17.22	17.60	17.78	17.61	17.86	0.00	18.50	16.7	16.7	17.2	17.2	17.1	17.4	0.0	18.0
			12	6	17.72	17.68	18.08	18.34	18.07	18.32	0.00	19.00	17.27	17.20	17.60	17.80	17.65	17.86	0.00	18.50	16.8	16.6	17.0	17.4	17.1	17.3	0.0	18.0
			12	12	17.75	17.72	18.04	18.34	18.12	18.36	0.00	19.00	17.24	17.23	17.61	17.81	17.63	17.87	0.00	18.50	16.8	16.8	17.2	17.3	17.1	17.4	0.0	18.0
			24	0	17.74	17.73	18.07	18.33	18.09	18.37	0.00	19.00	17.19	17.26	17.61	17.83	17.60	17.86	0.00	18.50	16.7	16.7	17.1	17.3	17.1	17.3	0.0	18.0
		QPSK	1	1	17.67	17.66	18.06	18.35	18.09	18.36	0.00	19.00	17.24	17.28	17.73	17.92	17.60	17.85	0.00	18.50	16.7	16.7	17.3	17.5	17.2	17.4	0.0	18.0
			1	12	17.72	17.75	18.04	18.43	18.10	18.32	0.00	19.00	17.22	17.32	17.79	17.93	17.69	17.84	0.00	18.50	16.8	16.9	17.2	17.4	17.1	17.3	0.0	18.0
			1	22	17.74	17.71	18.05	18.29	17.96	18.39	0.00	19.00	17.22	17.27	17.76	17.74	17.55	17.94	0.00	18.50	16.8	16.8	17.3	17.2	17.0	17.4	0.0	18.0
			12	0	17.71	17.73	18.07	18.35	18.08	18.33	0.00	19.00	17.25	17.22	17.63	17.86	17.63	17.90	0.00	18.50	16.8	16.7	17.1	17.4	17.2	17.3	0.0	18.0
			12	6	17.73	17.68	18.08	18.34	18.13	18.35	0.00	19.00	17.24	17.26	17.64	17.82	17.66	17.88	0.00	18.50	16.7	16.8	17.1	17.3	17.2	17.5	0.0	18.0
			12	12	17.70	17.67	18.10	18.28	18.09	18.35	0.00	19.00	17.28	17.25	17.58	17.82	17.59	17.90	0.00	18.50	16.8	16.8	17.1	17.3	17.2	17.4	0.0	18.0
			24	0	17.76	17.65	18.07	18.37	18.14	18.35	0.00	19.00	17.27	17.23	17.58	17.83	17.63	17.89	0.00	18.50	16.8	16.8	17.1	17.4	17.1	17.3	0.0	18.0
		16QAM	1	1	17.75	17.73	18.24	18.11	18.40	18.40	0.00	19.00	17.10	17.21	17.66	17.57	17.79	17.81	0.00	18.50	16.6	16.6	17.2	17.0	17.3	17.2	0.0	18.0
		64QAM	1	1	17.74	17.65	17.89	18.22	17.65	18.13	0.00	19.00	16.88	17.08	17.28	17.55	17.37	17.75	0.00	18.50	16.4	16.6	16.8	17.0	16.8	17.2	0.0	18.0
		256QAM	1	1	17.56	17.83	17.92	18.31	18.13	18.35	0.00	19.00	17.33	17.11	17.47	17.90	17.55	17.92	0.00	18.50	16.8	16.7	16.9	17.3	17.1	17.4	0.0	18.0
	CP-OFDM	QPSK	1	1	17.67	17.73	18.08	18.47	18.26	18.30	0.00	19.00	17.16	17.26	17.55	17.80	17.70	17.92	0.00	18.50	16.7	16.8	17.1	17.3	17.2	17.4	0.0	18.0

Notes:

NR Band n77 (Voice/data/SRS0) were measured output power through FTM mode provided by manufacturer.

NR Band n77-DoD (SRS1) & NR Band n77 (SRS1) Ant D Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm) - NR Band n77-DoD (SRS1)				Maximum Allowed Average Power (dBm) - NR Band n77 (SRS1)						
		DSI = 0, 1, 2, 3				DSI = 0, 1, 2, 3						
		Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
			633334			650000		656000		662000		
			3500.01 MHz			3750 MHz		3840 MHz		3930 MHz		
100 MHz	SRS CW		15.50		16.00	15.25				14.07		16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		633000.00	633334.00	633666.00		649668.00		656000.00		662332.00		
		3495 MHz	3500.01 MHz	3504.99 MHz		3745.02 MHz		3840 MHz		3934.98 MHz		
90 MHz	SRS CW		15.32		16.00	15.24		14.60		13.96		16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		632668.00	633334.00	634000.00		649334.00		656000.00		662666.00		
		3490.02 MHz	3500.01 MHz	3510 MHz		3740.01 MHz		3840 MHz		3939.99 MHz		
80 MHz	SRS CW		15.33		16.00	15.27		14.59		13.93		16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		632334.00	633334.00	634332.00		649000.00	653666.00			658334.00	663000.00	
		3485.01 MHz	3500.01 MHz	3514.98 MHz		3735 MHz	3804.99 MHz			3875.01 MHz	3945 MHz	
70 MHz	SRS CW		15.34		16.00	15.33	14.67			14.32	13.95	16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		632000.00	633334.00	634666.00		648668.00	653556.00			658444.00	663332.00	
		3480 MHz	3500.01 MHz	3519.99 MHz		3730.02 MHz	3803.34 MHz			3876.66 MHz	3949.98 MHz	
60 MHz	SRS CW		15.38		16.00	15.41	14.73			14.44	14.10	16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		631668.00	633334.00	635000.00		648334.00	652166.00	656000.00		659834.00	663666.00	
		3475.02 MHz	3500.01 MHz	3525 MHz		3725.01 MHz	3782.49 MHz	3840 MHz		3897.51 MHz	3954.99 MHz	
50 MHz	SRS CW	15.15		15.47	16.00	15.61	14.86	14.70		14.17	14.49	16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		631334.00	633334.00	635332.00		648000.00	651200.00	654400.00	657600.00	660800.00	664000.00	
		3470.01 MHz	3500.01 MHz	3529.98 MHz		3720 MHz	3768 MHz	3816 MHz	3864 MHz	3912 MHz	3960 MHz	
40 MHz	SRS CW	15.52		15.87	16.00	15.91	15.19	14.93	14.81	14.34	14.75	16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		631000.00	633334.00	635666.00		647668.00	651000.00	654334.00	657666.00	661000.00	664332.00	
		3465 MHz	3500.01 MHz	3534.99 MHz		3715.02 MHz	3765 MHz	3815.01 MHz	3864.99 MHz	3915 MHz	3964.98 MHz	
30 MHz	SRS CW	15.42	15.71	15.85	16.00	15.88	15.16	14.97	14.72	14.34	14.79	16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		630668.00	633334.00	636000.00		647334.00	650800.00	654266.00	657734.00	661200.00	664666.00	
		3460.02 MHz	3500.01 MHz	3540 MHz		3710.01 MHz	3762 MHz	3813.99 MHz	3866.01 MHz	3918 MHz	3969.99 MHz	
20 MHz	SRS CW	15.31	15.53	15.72	16.00	15.87	15.17	15.87	14.74	14.35	14.57	16.00

Notes:

NR Band n77-DoD (SRS1) & NR Band n77 (SRS1) were measured output power through FTM mode provided by manufacturer.

NR Band n77-DoD (SRS2) & NR Band n77 (SRS2) Ant G Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm) - NR Band n77-DoD (SRS2)				Maximum Allowed Average Power (dBm) - NR Band n77 (SRS2)						
		DSI = 0, 1, 2, 3				DSI = 0, 1, 2, 3						
		Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
			633334.00			650000.00		656000.00		662000.00		
			3500.01 MHz			3750 MHz		3840 MHz		3930 MHz		
100 MHz	SRS CW		15.72		16.00	15.28				14.57		16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		633000.00	633334.00	633666.00		649668.00		656000.00		662332.00		
		3495 MHz	3500.01 MHz	3504.99 MHz		3745.02 MHz		3840 MHz		3934.98 MHz		
90 MHz	SRS CW		15.63		16.00	15.47		14.94		14.69		16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		632668.00	633334.00	634000.00		649334.00		656000.00		662666.00		
		3490.02 MHz	3500.01 MHz	3510 MHz		3740.01 MHz		3840 MHz		3939.99 MHz		
80 MHz	SRS CW		15.66		16.00	15.46		14.97		14.57		16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		632334.00	633334.00	634332.00		649000.00	653666.00			658334.00	663000.00	
		3485.01 MHz	3500.01 MHz	3514.98 MHz		3735 MHz	3804.99 MHz			3875.01 MHz	3945 MHz	
70 MHz	SRS CW		15.62		16.00	15.43	14.48			14.98	14.60	16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		632000.00	633334.00	634666.00		648668.00	653556.00			658444.00	663332.00	
		3480 MHz	3500.01 MHz	3519.99 MHz		3730.02 MHz	3803.34 MHz			3876.66 MHz	3949.98 MHz	
60 MHz	SRS CW		15.70		16.00	15.43	14.49			15.12	14.74	16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		631668.00	633334.00	635000.00		648334.00	652166.00	656000.00		659834.00	663666.00	
		3475.02 MHz	3500.01 MHz	3525 MHz		3725.01 MHz	3782.49 MHz	3840 MHz		3897.51 MHz	3954.99 MHz	
50 MHz	SRS CW	15.55		15.83	16.00	15.36	14.25	14.66		14.92	15.82	16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		631334.00	633334.00	635332.00		648000.00	651200.00	654400.00	657600.00	660800.00	664000.00	
		3470.01 MHz	3500.01 MHz	3529.98 MHz		3720 MHz	3768 MHz	3816 MHz	3864 MHz	3912 MHz	3960 MHz	
40 MHz	SRS CW	15.88		15.93	16.00	15.73	14.38	14.65	14.94	15.02	15.89	16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		631000.00	633334.00	635666.00		647668.00	651000.00	654334.00	657666.00	661000.00	664332.00	
		3465 MHz	3500.01 MHz	3534.99 MHz		3715.02 MHz	3765 MHz	3815.01 MHz	3864.99 MHz	3915 MHz	3964.98 MHz	
30 MHz	SRS CW	15.76	15.89	15.98	16.00	15.67	14.33	14.66	14.79	15.03	15.92	16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		630668.00	633334.00	636000.00		647334.00	650800.00	654266.00	657734.00	661200.00	664666.00	
		3460.02 MHz	3500.01 MHz	3540 MHz		3710.01 MHz	3762 MHz	3813.99 MHz	3866.01 MHz	3918 MHz	3969.99 MHz	
20 MHz	SRS CW	15.64	15.96	15.96	16.00	15.48	14.22	14.76	14.84	15.08	15.93	16.00

Notes:

NR Band n77-DoD (SRS2) & NR Band n77 (SRS2) were measured output power through FTM mode provided by manufacturer.

NR Band n77-DoD (SRS3) & NR Band n77 (SRS3) Ant A Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm) - NR Band n77-DoD (SRS3)				Maximum Allowed Average Power (dBm) - NR Band n77 (SRS3)						
		DSI = 0, 1, 2, 3				DSI = 0, 1, 2, 3						
		Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
			633334.00			650000.00		656000.00		662000.00		
			3500.01 MHz			3750 MHz		3840 MHz		3930 MHz		
100 MHz	SRS CW		15.45		16.00	15.78				14.51		16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		633000.00	633334.00	633666.00		649668.00		656000.00		662332.00		
		3495 MHz	3500.01 MHz	3504.99 MHz		3745.02 MHz		3840 MHz		3934.98 MHz		
90 MHz	SRS CW		15.44		16.00	15.67		14.94		13.74		16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		632668.00	633334.00	634000.00		649334.00		656000.00		662666.00		
		3490.02 MHz	3500.01 MHz	3510 MHz		3740.01 MHz		3840 MHz		3939.99 MHz		
80 MHz	SRS CW		15.41		16.00	15.72		14.96		13.59		16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		632334.00	633334.00	634332.00		649000.00	653666.00			658334.00	663000.00	
		3485.01 MHz	3500.01 MHz	3514.98 MHz		3735 MHz	3804.99 MHz			3875.01 MHz	3945 MHz	
70 MHz	SRS CW		15.40		16.00	15.78	15.18			14.49	13.62	16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		632000.00	633334.00	634666.00		648668.00	653556.00			658444.00	663332.00	
		3480 MHz	3500.01 MHz	3519.99 MHz		3730.02 MHz	3803.34 MHz			3876.66 MHz	3949.98 MHz	
60 MHz	SRS CW		15.46		16.00	15.84	15.24			14.62	13.77	16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		631668.00	633334.00	635000.00		648334.00	652166.00	656000.00		659834.00	663666.00	
		3475.02 MHz	3500.01 MHz	3525 MHz		3725.01 MHz	3782.49 MHz	3840 MHz		3897.51 MHz	3954.99 MHz	
50 MHz	SRS CW	15.19		15.68	16.00	15.98	15.40	15.12		14.27	14.09	16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		631334.00	633334.00	635332.00		648000.00	651200.00	654400.00	657600.00	660800.00	664000.00	
		3470.01 MHz	3500.01 MHz	3529.98 MHz		3720 MHz	3768 MHz	3816 MHz	3864 MHz	3912 MHz	3960 MHz	
40 MHz	SRS CW	15.49		15.94	16.00	15.98	15.65	15.43	15.11	14.31	14.23	16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		631000.00	633334.00	635666.00		647668.00	651000.00	654334.00	657666.00	661000.00	664332.00	
		3465 MHz	3500.01 MHz	3534.99 MHz		3715.02 MHz	3765 MHz	3815.01 MHz	3864.99 MHz	3915 MHz	3964.98 MHz	
30 MHz	SRS CW	15.36	15.77	15.93	16.00	15.91	15.66	15.51	15.06	14.41	14.29	16.00
BW (MHz)	Mode	Measured Pwr (dBm)			Tune-up Limit	Measured Pwr (dBm)						Tune-up Limit
		630668.00	633334.00	636000.00		647334.00	650800.00	654266.00	657734.00	661200.00	664666.00	
		3460.02 MHz	3500.01 MHz	3540 MHz		3710.01 MHz	3762 MHz	3813.99 MHz	3866.01 MHz	3918 MHz	3969.99 MHz	
20 MHz	SRS CW	15.27	15.68	15.95	16.00	15.94	15.64	15.56	15.04	14.31	14.05	16.00

Notes:

NR Band n77-DoD (SRS3) & NR Band n77 (SRS3) were measured output power through FTM mode provided by manufacturer

9.5. Wi-Fi 2.4 GHz (DTS Band)

WLAN SISO output power results

Antenna	Mode	Data Rate	Ch #	Freq. (MHz)	WLAN mode power					
					Maximum Allowed Average power (dBm)					
					DSI = 0,1			DSI = 2,3		
					Meas. Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Meas. Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
WiFi 2.4G Ant.G	802.11b	1 Mbps	1	2412.0	18.38	19.0	Yes	17.27	18.0	Yes
			6	2437.0	18.74			17.63		
			11	2462.0	18.53			17.35		
	802.11g	6 Mbps	Not Required			18.0	No	Not Required	18.0	No
	802.11n	6.5 Mbps				18.0			18.0	
	802.11ac	6.5 Mbps				18.0			18.0	
	802.11ax	7.3 Mbps				16.0			16.0	

WLAN MIMO output power results

Antenna	Mode	Data Rate	Ch #	Freq. (MHz)	WLAN mode power					
					Maximum Allowed Average power (dBm)					
					DSI = 0,1			DSI = 2,3		
					Meas. Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Meas. Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
WiFi 2.4G (MIMO) Ant.H	802.11b	1 Mbps	1	2412.0	18.28	19.0	Yes	17.62	18.0	Yes
			6	2437.0	18.07			17.70		
			11	2462.0	18.33			17.80		
	802.11g	6 Mbps	Not Required			18.0	No	Not Required	18.0	No
	802.11n	6.5 Mbps				18.0			18.0	
	802.11ac	6.5 Mbps				18.0			18.0	
	802.11ax	7.3 Mbps				16.0			16.0	
WiFi 2.4G (MIMO Ant.G	802.11b	1 Mbps	1	2412.0	18.04	19.0	Yes	17.42	18.0	Yes
			6	2437.0	18.35			17.73		
			11	2462.0	18.05			17.35		
	802.11g	6 Mbps	Not Required			18.0	No	Not Required	18.0	No
	802.11n	6.5 Mbps				18.0			18.0	
	802.11ac	6.5 Mbps				18.0			18.0	
	802.11ax	7.3 Mbps				16.0			16.0	

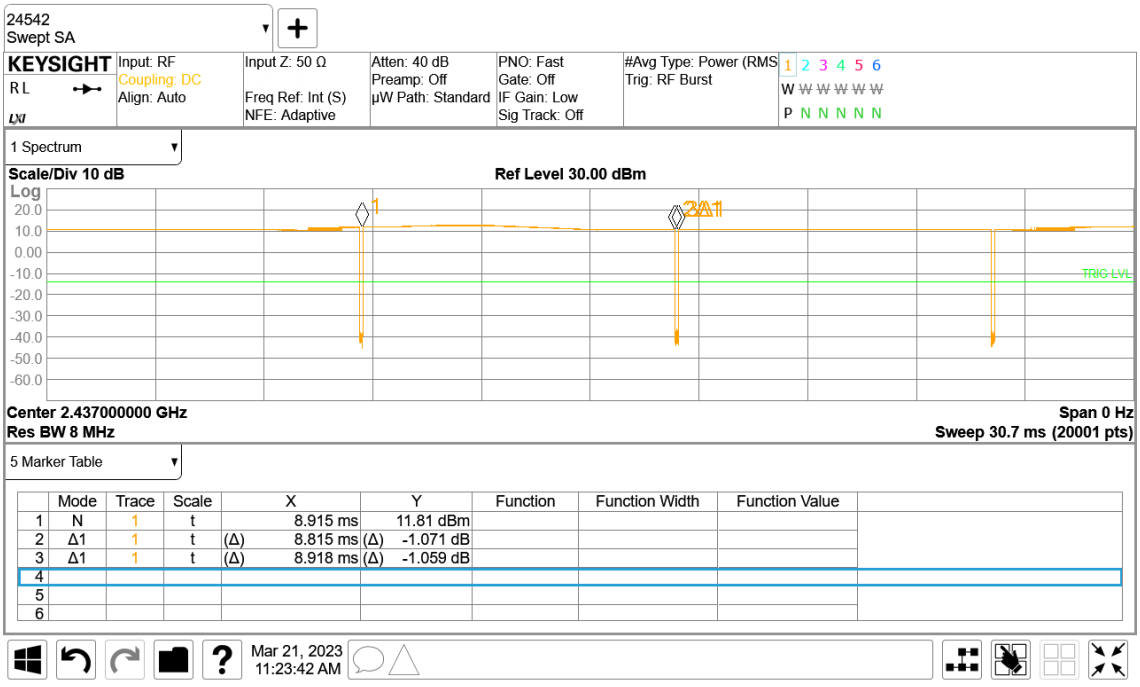
Note(s):

1. SAR is not required for 802.11g/n modes when the adjusted SAR for 802.11b is < 1.2 W/kg.
2. For "Not required", 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 802.11n/g/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.

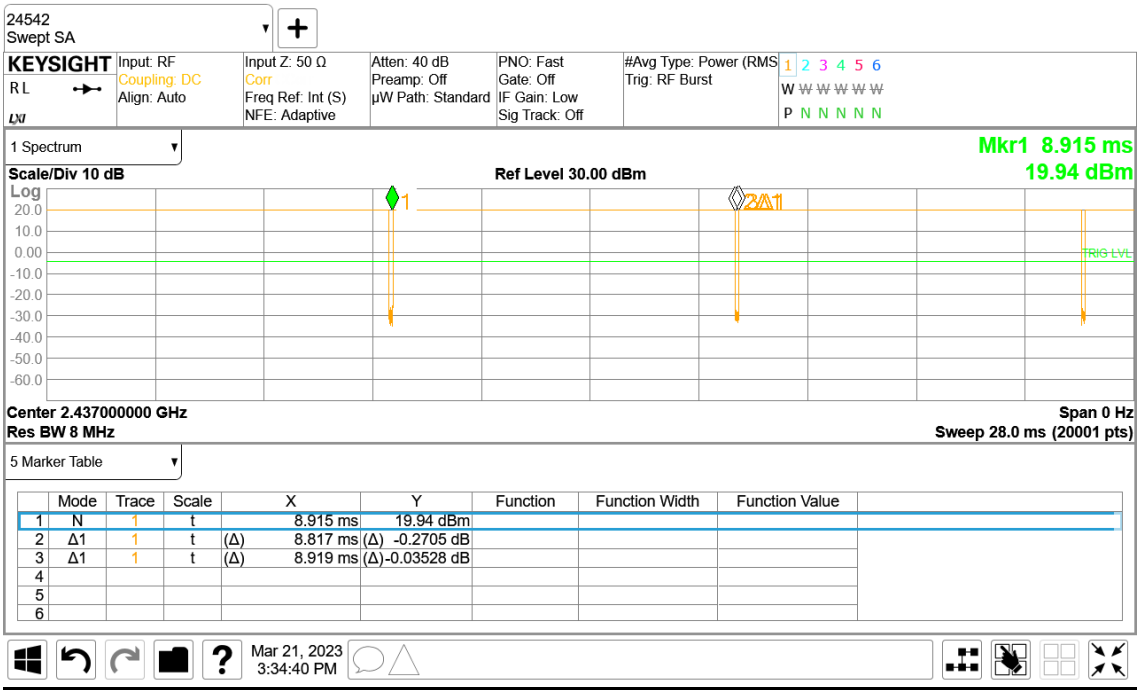
Duty Factor Measured Results

Mode	T on (ms)	Period (ms)	Maximum Duty Cyle	Measured Duty Cycle	Crest Factor (maximum duty/ measured duty cycle)
802.11b-SISO	8.815	8.918	100.00%	98.8%	1.01
802.11b-MIMO	8.817	8.919	100.00%	98.9%	1.01

Duty Cycle plots (802.11b-SISO)



Duty Cycle plots (802.11b-MIMO)



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

WLAN MIMO Ant.H output power results

Antenna	Band (GHz)	Mode	Data Rate	Ch #	Freq. (MHz)	WLAN mode power					
						Maximum Allowed Averag power (dBm)					
						DSI = 0,1			DSI = 2, 3		
						Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
5GHz MIMO Ant.H	5.3 (UNII 2A)	802.11a	6 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11n (HT20)	6.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11n (HT40)	13.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT20)	6.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT40)	13.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT80)	29.3 Mbps	58	5290.0	16.72	17.0	Yes	17.08	18.0	Yes
		802.11ax (HE20)	7.3 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE40)	14.6 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE80)	36.0 Mbps	Not Required			17.0	No	Not Required	18.0	No
	UNII 1 & UNII 2A	802.11ac (VHT160)	58.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE160)	72.0 Mbps	Not Required			17.0	No	Not Required	18.0	No
	5.5 (U-NII 2C)	802.11a	6 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11n (HT20)	6.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11n (HT40)	13.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT20)	6.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT40)	13.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT80)	29.3 Mbps	106	5530.0	16.64	17.0	Yes	16.81	18.0	Yes
				122	5610.0	16.70			16.70		
				138	5690.0	16.71			17.07		
		802.11ac (VHT160)	58.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE20)	7.3 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE40)	14.6 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE80)	36.0 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE160)	72.0 Mbps	Not Required			17.0	No	Not Required	18.0	No

Note(s):

1. For "Not required", 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.
2. When the same transmission mode configurations have the same maximum output power on the same channel for the 802.11 a/g/n/ac/ax modes, the channel in the lower order/sequence 802.11 mode (i.e. a, g, n ac then ax) is selected.
3. When the specified maximum output power is the same for both UNII band I and UNII band 2A, begin SAR measurement in UNII band 2A; and if the highest *reported* SAR for UNII band 2A is
   - ≤ 1.2 W/kg, SAR is not required for UNII band I
   - > 1.2 W/kg, both bands should be tested independently for SAR.

WLAN MIMO Ant.H output power results_(Continued)

Antenna	Band (GHz)	Mode	Data Rate	Ch #	Freq. (MHz)	WLAN mode power					
						Maximum Allowed Averag power (dBm)					
						DSI = 0,1			DSI = 2, 3		
						Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
5GHz MIMO Ant.H	5.8 (UNII 3)	802.11a	6 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11n (HT20)	6.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11n (HT40)	13.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT20)	6.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT40)	13.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT80)	29.3 Mbps	155	5775.0	16.33	17.0	Yes	16.53	18.0	Yes
		802.11ax (HE20)	7.3 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE40)	14.6 Mbps	Not Required			17.0	No	Not Required	18.0	NO
		802.11ax (HE80)	36.0 Mbps	Not Required			17.0	No	Not Required	18.0	No
	5.9 (U-NII 4)	802.11a	6 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11n (HT20)	6.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11n (HT40)	13.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT20)	6.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT40)	13.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT80)	29.3 Mbps	171	5855.0	16.37	17.0	Yes	16.82	18.0	Yes
		802.11ax (HE20)	7.3 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE40)	14.6 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE80)	30.6 Mbps	Not Required			17.0	No	Not Required	18.0	No
	UNII 3 & UNII 4	802.11ac (VHT160)	58.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE160)	72.0 Mbps	Not Required			17.0	No	Not Required	18.0	No

Note(s):

1. For "Not required", 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.
2. When the same transmission mode configurations have the same maximum output power on the same channel for the 802.11 a/g/n/ac/ax modes, the channel in the lower order/sequence 802.11 mode (i.e. a, g, n ac then ax) is selected.
3. When the specified maximum output power is the same for both UNII band I and UNII band 2A, begin SAR measurement in UNII band 2A; and if the highest *reported* SAR for UNII band 2A is
   - ≤ 1.2 W/kg, SAR is not required for UNII band I
   - > 1.2 W/kg, both bands should be tested independently for SAR.

WLAN MIMO Ant.J output power results

Antenna	Band (GHz)	Mode	Data Rate	Ch #	Freq. (MHz)	WLAN mode power					
						Maximum Allowed Averag power (dBm)					
						DSI = 0,1			DSI = 2, 3		
						Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
5GHz MIMO Ant.J	5.3 (UNII 2A)	802.11a	6 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11n (HT20)	6.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11n (HT40)	13.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT20)	6.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT40)	13.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT80)	29.3 Mbps	58	5290.0	15.44	17.0	Yes	16.77	18.0	Yes
		802.11ax (HE20)	7.3 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE40)	14.6 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE80)	36.0 Mbps	Not Required			17.0	No	Not Required	18.0	No
	UNII 1 & UNII 2A	802.11ac (VHT160)	58.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE160)	72.0 Mbps	Not Required			17.0	No	Not Required	18.0	No
	5.5 (U-NII 2C)	802.11a	6 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11n (HT20)	6.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11n (HT40)	13.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT20)	6.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT40)	13.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT80)	29.3 Mbps	106	5530.0	15.85	17.0	Yes	16.91	18.0	Yes
				122	5610.0	16.40			17.04		
				138	5690.0	16.11			17.27		
		802.11ac (VHT160)	58.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE20)	7.3 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE40)	14.6 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE80)	36.0 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE160)	72.0 Mbps	Not Required			17.0	No	Not Required	18.0	No

Note(s):

1. For “Not required”, 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.
2. When the same transmission mode configurations have the same maximum output power on the same channel for the 802.11 a/g/n/ac/ax modes, the channel in the lower order/sequence 802.11 mode (i.e. a, g, n ac then ax) is selected.
3. When the specified maximum output power is the same for both UNII band I and UNII band 2A, begin SAR measurement in UNII band 2A; and if the highest *reported* SAR for UNII band 2A is
   - ≤ 1.2 W/kg, SAR is not required for UNII band I
   - > 1.2 W/kg, both bands should be tested independently for SAR.

WLAN MIMO Ant.J output power results_(Continued)

Antenna	Band (GHz)	Mode	Data Rate	Ch #	Freq. (MHz)	WLAN mode power					
						Maximum Allowed Averag power (dBm)					
						DSI = 0,1			DSI = 2, 3		
						Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
5GHz MIMO Ant.J	5.8 (UNII 3)	802.11a	6 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11n (HT20)	6.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11n (HT40)	13.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT20)	6.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT40)	13.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT80)	29.3 Mbps	155	5775.0	15.68	17.0	Yes	17.68	18.0	Yes
		802.11ax (HE20)	7.3 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE40)	14.6 Mbps	Not Required			17.0	No	Not Required	18.0	NO
		802.11ax (HE80)	36.0 Mbps	Not Required			17.0	No	Not Required	18.0	No
	5.9 (U-NII 4)	802.11a	6 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11n (HT20)	6.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11n (HT40)	13.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT20)	6.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT40)	13.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ac (VHT80)	29.3 Mbps	171	5855.0	15.86	17.0	Yes	17.19	18.0	Yes
		802.11ax (HE20)	7.3 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE40)	14.6 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE80)	30.6 Mbps	Not Required			17.0	No	Not Required	18.0	No
	UNII 3 & UNII 4	802.11ac (VHT160)	58.5 Mbps	Not Required			17.0	No	Not Required	18.0	No
		802.11ax (HE160)	72.0 Mbps	Not Required			17.0	No	Not Required	18.0	No

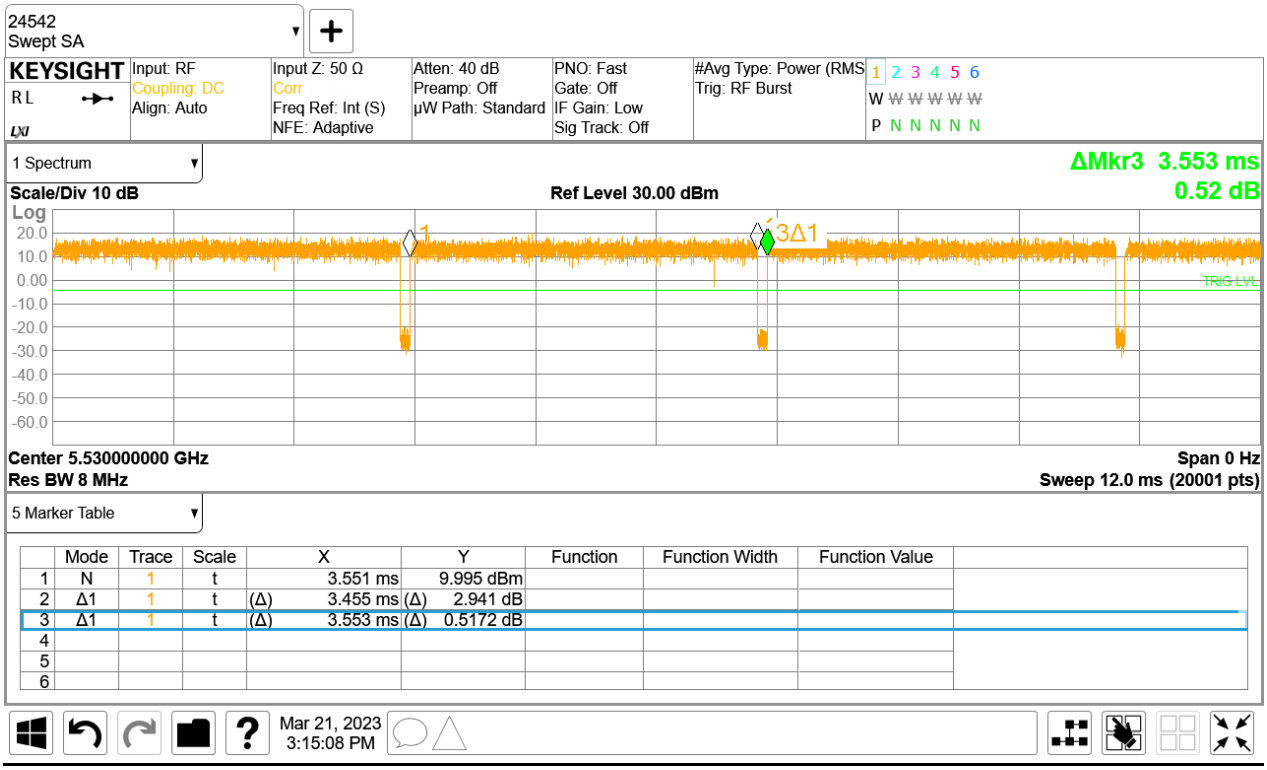
Note(s):

1. For "Not required", 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.
2. When the same transmission mode configurations have the same maximum output power on the same channel for the 802.11 a/g/n/ac/ax modes, the channel in the lower order/sequence 802.11 mode (i.e. a, g, n ac then ax) is selected.
3. When the specified maximum output power is the same for both UNII band I and UNII band 2A, begin SAR measurement in UNII band 2A; and if the highest *reported* SAR for UNII band 2A is
   - ≤ 1.2 W/kg, SAR is not required for UNII band I
   - > 1.2 W/kg, both bands should be tested independently for SAR.

Duty Factor Measured Results

Mode	T on (ms)	Period (ms)	Maximum Duty Cyle	Measured Duty Cycle	Crest Factor (maximum duty/ measured duty cycle)
802.11ax VHT80 MIMO	3.455	3.553	100.00%	97.2%	1.03

Duty Cycle plots (802.11ax VHT80-MIMO)



9.7. Bluetooth

Bluetooth SISO output power Results

Band (GHz)	Antenna	Mode	Ch #	Freq. (MHz)	Maximum Allowed Average power (dBm) DSI = 0, 1, 2, 3		SAR test
					Meas Pwr	Tune-up Limit	
2.4	BT Ant.H	Bluetooth(1Mbps)	0	2402	16.67	18.0	No
			39	2441	17.86		
			78	2480	16.13		
		Bluetooth(EDR)	0	2402	13.89	15.5	No
			39	2441	14.90		
			78	2480	13.15		
		Bluetooth(LE) (1M/2M)	0	2402	16.56	18.0	Yes
			19	2440	17.57		
			39	2480	15.76		
		Bluetooth(LE) (125/500kbps)	0	2402	7.19	9.0	No
			19	2441	8.46		
			39	2480	7.21		
2.4	BT Ant.G	Bluetooth(1Mbps)	0	2402	15.07	16.0	No
			39	2441	14.99		
			78	2480	14.37		
		Bluetooth(EDR)	0	2402	12.28	13.0	No
			39	2441	12.48		
			78	2480	11.30		
		Bluetooth(LE) (1M/2M)	0	2402	14.94	16.0	Yes
			19	2440	15.13		
			39	2480	14.15		
		Bluetooth(LE) (125/500kbps)	0	2402	5.87	7.0	No
			19	2440	6.06		
			39	2480	4.97		

Duty Factor Measured Results

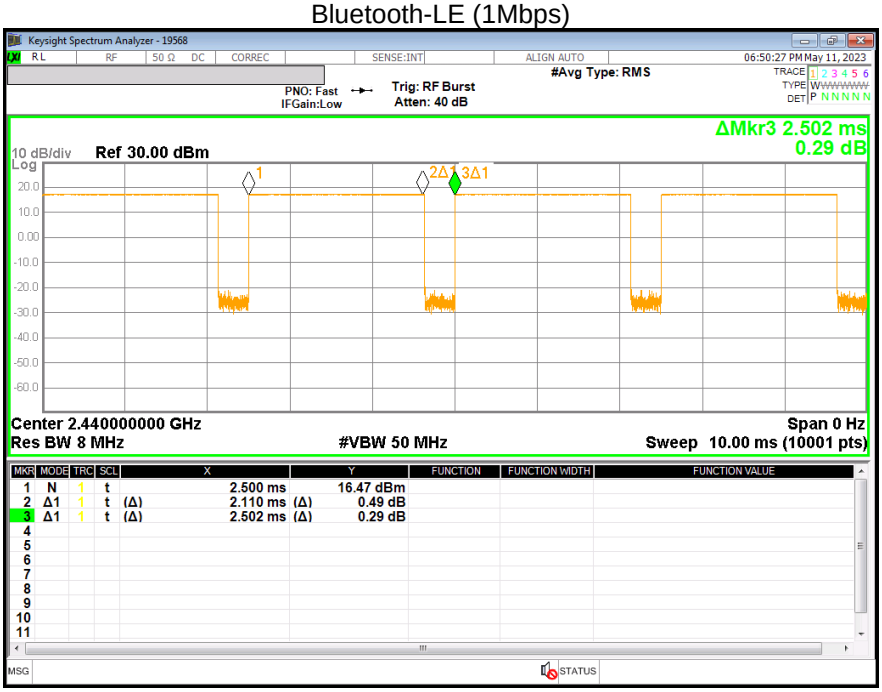
Mode	Type	T on (ms)	Period (ms)	Maximum Duty Cyle	Measured Duty Cycle	Crest Factor (maximum duty/ measured duty cycle)
LE-1M	255pkt	2.110	2.502	87.00%	84.30%	1.03

Note(s):

Maximum Duty Cycle is mentioned in Operational description. Detail of BT Duty Cycle refer to Operational description.

Duty Cycle plots

Bluetooth-LE (1Mbps)



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
- Wi-Fi Duty Cycle scaling factor = 1 / Duty cycle (%)
- BT Duty Cycle scaling factor = Maximum Duty cycle / 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.

When the separation distance required for body-worn accessory testing is greater than or equal to that tested for hotspot mode, using the same wireless mode test configuration for voice and data, the hotspot SAR data may be used to support body-worn accessory SAR compliance for that particular configuration.

KDB 648474 D04 Handset SAR (Phablet Only):

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

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

KDB 941225 D01 SAR test for 3G devices:

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

KDB 941225 D05 SAR for LTE Devices:

SAR test reduction is applied using the following criteria:

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

configuration, the middle channel of the group of overlapping channels should be selected for testing; therefore, the requirement for H, M and L channels may not fully apply.

KDB 248227 D01 SAR meas for 802.11:

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

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

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

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

10.1. Folder Closed (Phablet) SAR Results

10.1.1. GSM 850

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Head	GPRS 2 Slots	0	Left Touch	190	836.6	32.50	30.60	0.109	0.169	
				Left Tilt	190	836.6	32.50	30.60	0.051	0.079	
				Right Touch	190	836.6	32.50	30.60	0.116	0.180	
				Right Tilt	190	836.6	32.50	30.60	0.019	0.029	
	Body-worn & Hotspot	GPRS 2 Slots	10	Rear	190	836.6	32.50	30.60	0.142	0.220	
				Front	190	836.6	32.50	30.60	0.038	0.059	
	Hotspot	GPRS 2 Slots	10	Left	190	836.6	32.50	30.60	0.208	0.322	1
				Bottom	190	836.6	32.50	30.60	0.058	0.090	
				Right	190	836.6	32.50	30.60	0.036	0.056	

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A)	Head	GPRS 2 Slots	0	Left Touch	190	836.6	32.50	30.60	0.122	0.189	2
				Left Tilt	190	836.6	32.50	30.60	0.057	0.088	
				Right Touch	190	836.6	32.50	30.60	0.116	0.180	
				Right Tilt	190	836.6	32.50	30.60	0.078	0.121	
	Body-worn & Hotspot	GPRS 2 Slots	10	Rear	190	836.6	32.50	30.60	0.168	0.260	3
				Front	190	836.6	32.50	30.60	0.040	0.062	
	Hotspot	GPRS 2 Slots	10	Left	190	836.6	32.50	30.60	0.083	0.129	
				Bottom	190	836.6	32.50	30.60	0.061	0.094	

10.1.2. GSM 1900

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Head	GPRS 3 Slots	0	Left Touch	661	1880.0	27.50	26.11	0.012	0.017	
				Left Tilt	661	1880.0	27.50	26.11	0.018	0.025	
				Right Touch	661	1880.0	27.50	26.11	0.049	0.067	4
				Right Tilt	661	1880.0	27.50	26.11	0.016	0.022	
	Body-worn & Hotspot	GPRS 4 Slots	10	Rear	661	1880.0	22.50	21.44	0.181	0.231	
				Front	661	1880.0	22.50	21.44	0.110	0.140	
	Hotspot	GPRS 4 Slots	10	Left	661	1880.0	22.50	21.44	0.113	0.144	
				Bottom	661	1880.0	22.50	21.44	0.333	0.425	5
				Right	661	1880.0	22.50	21.44	0.021	0.027	

10.1.3. WCDMA Band II

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Head	Rel 99 RMC	0	Left Touch	9400	1880.0	24.80	24.02	0.087	0.104	
				Left Tilt	9400	1880.0	24.80	24.02	0.081	0.097	
				Right Touch	9400	1880.0	24.80	24.02	0.101	0.121	6
				Right Tilt	9400	1880.0	24.80	24.02	0.077	0.093	
	Body-worn & Hotspot	Rel 99 RMC	10	Rear	9400	1880.0	20.00	19.21	0.233	0.279	
				Front	9400	1880.0	20.00	19.21	0.156	0.187	
	Hotspot	Rel 99 RMC	10	Left	9400	1880.0	20.00	19.21	0.250	0.300	
				Bottom	9400	1880.0	20.00	19.21	0.499	0.599	7
				Right	9400	1880.0	20.00	19.21	0.023	0.028	

10.1.4. WCDMA Band IV

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Head	Rel 99 RMC	0	Left Touch	1413	1732.6	24.80	23.97	0.062	0.075	
				Left Tilt	1413	1732.6	24.80	23.97	0.065	0.079	
				Right Touch	1413	1732.6	24.80	23.97	0.051	0.062	
				Right Tilt	1413	1732.6	24.80	23.97	0.099	0.120	8
	Body-worn & Hotspot	Rel 99 RMC	10	Rear	1413	1732.6	20.00	19.16	0.459	0.557	
				Front	1413	1732.6	20.00	19.16	0.142	0.172	
	Hotspot	Rel 99 RMC	10	Left	1413	1732.6	20.00	19.16	0.161	0.195	
				Bottom	1413	1732.6	20.00	19.16	0.622	0.755	9
				Right	1413	1732.6	20.00	19.16	0.047	0.057	

10.1.5. WCDMA Band V

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Head	Rel 99 RMC	0	Left Touch	4183	836.6	25.50	24.54	0.141	0.176	
				Left Tilt	4183	836.6	25.50	24.54	0.069	0.086	
				Right Touch	4183	836.6	25.50	24.54	0.128	0.160	
				Right Tilt	4183	836.6	25.50	24.54	0.082	0.102	
	Body-worn & Hotspot	Rel 99 RMC	10	Rear	4183	836.6	25.50	24.54	0.290	0.362	10
				Front	4183	836.6	25.50	24.54	0.073	0.091	
	Hotspot	Rel 99 RMC	10	Left	4183	836.6	25.50	24.54	0.154	0.192	
				Bottom	4183	836.6	25.50	24.54	0.110	0.137	
				Right	4183	836.6	25.50	24.54	0.059	0.074	

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A)	Head	Rel 99 RMC	0	Left Touch	4183	836.6	25.50	24.54	0.115	0.143	
				Left Tilt	4183	836.6	25.50	24.54	0.063	0.079	
				Right Touch	4183	836.6	25.50	24.54	0.147	0.183	11
				Right Tilt	4183	836.6	25.50	24.54	0.116	0.145	
	Body-worn & Hotspot	Rel 99 RMC	10	Rear	4183	836.6	25.50	24.54	0.423	0.528	12
				Front	4183	836.6	25.50	24.54	0.158	0.197	
	Hotspot	Rel 99 RMC	10	Left	4183	836.6	25.50	24.54	0.295	0.368	
				Bottom	4183	836.6	25.50	24.54	0.115	0.143	

10.1.6. LTE Band 7 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Head	QPSK	0	Left Touch	20850	2510.0	1	99	25.00	23.64	0.051	0.070	
							50	24	24.00	22.76	0.053	0.071	
				Left Tilt	20850	2510.0	1	99	25.00	23.64	0.031	0.042	
							50	24	24.00	22.76	0.032	0.043	
				Right Touch	20850	2510.0	1	99	25.00	23.64	0.073	0.100	13
							50	24	24.00	22.76	0.056	0.075	
				Right Tilt	20850	2510.0	1	99	25.00	23.64	0.025	0.034	
							50	24	24.00	22.76	0.014	0.019	
	Body-worn & Hotspot	QPSK	10	Rear	20850	2510.0	1	99	18.00	17.61	0.340	0.372	
							50	24	18.00	17.71	0.345	0.369	
				Front	20850	2510.0	1	99	18.00	17.61	0.069	0.075	
							50	24	18.00	17.71	0.069	0.074	
	Hotspot	QPSK	10	Left	20850	2510.0	1	99	18.00	17.61	0.068	0.074	
							50	24	18.00	17.71	0.069	0.074	
				Bottom	20850	2510.0	1	99	18.00	17.61	0.382	0.418	14
							50	24	18.00	17.71	0.378	0.404	
				Right	20850	2510.0	1	99	18.00	17.61	0.015	0.016	
							50	24	18.00	17.71	0.017	0.018	

LTE Band 7 (20MHz Bandwidth

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Head	QPSK	0	Left Touch	20850	2510.0	1	0	24.00	23.21	0.551	0.661	
							50	50	23.00	22.30	0.442	0.519	
					21100	2535.0	1	0	24.00	23.21	0.615	0.738	
							50	50	23.00	22.31	0.498	0.584	
					21350	2560.0	1	0	24.00	23.25	0.720	0.856	
							50	50	23.00	22.48	0.580	0.654	
				Left Tilt	20850	2510.0	1	0	24.00	23.21	0.753	0.903	
							50	50	23.00	22.30	0.612	0.719	
					21100	2535.0	1	0	24.00	23.21	0.838	1.005	
							50	50	23.00	22.31	0.684	0.802	
					21350	2560.0	1	0	24.00	23.25	0.974	1.158	15
							50	50	23.00	22.48	0.803	0.905	
							100	0	23.00	22.40	0.800	0.919	
				Right Touch	21350	2560.0	1	0	24.00	23.25	0.645	0.767	
							50	50	23.00	22.48	0.531	0.599	
				Right Tilt	20850	2510.0	1	0	24.00	23.21	0.649	0.778	
					21100	2535.0	1	0	24.00	23.21	0.721	0.865	
					21350	2560.0	1	0	24.00	23.25	0.778	0.925	
							50	50	23.00	22.48	0.662	0.746	
	Body-worn & Hotspot	QPSK	10	Rear	21350	2560.0	1	0	20.00	18.27	0.222	0.331	
							50	50	20.00	18.35	0.227	0.332	16
				Front	21350	2560.0	1	0	20.00	18.27	0.080	0.119	
							50	50	20.00	18.35	0.080	0.117	
	Hotspot	QPSK	10	Top	21350	2560.0	1	0	20.00	18.27	0.347	0.517	17
							50	50	20.00	18.35	0.353	0.516	
				Right	21350	2560.0	1	0	20.00	18.27	0.072	0.107	
							50	50	20.00	18.35	0.076	0.111	

10.1.7. LTE Band 12 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Head	QPSK	0	Left Touch	23095	707.5	1	49	25.50	23.81	0.142	0.210	18
							25	25	24.50	22.75	0.095	0.142	
				Left Tilt	23095	707.5	1	49	25.50	23.81	0.081	0.120	
							25	25	24.50	22.75	0.060	0.090	
				Right Touch	23095	707.5	1	49	25.50	23.81	0.115	0.170	
							25	25	24.50	22.75	0.088	0.132	
				Right Tilt	23095	707.5	1	49	25.50	23.81	0.065	0.096	
							25	25	24.50	22.75	0.053	0.079	
	Body-worn & Hotspot	QPSK	10	Rear	23095	707.5	1	49	25.50	23.81	0.166	0.245	
							25	25	24.50	22.75	0.130	0.195	
				Front	23095	707.5	1	49	25.50	23.81	0.138	0.204	
							25	25	24.50	22.75	0.110	0.165	
	Hotspot	QPSK	10	Left	23095	707.5	1	49	25.50	23.81	0.315	0.465	19
							25	25	24.50	22.75	0.252	0.377	
				Bottom	23095	707.5	1	49	25.50	23.81	0.056	0.083	
							25	25	24.50	22.75	0.043	0.064	
				Right	23095	707.5	1	49	25.50	23.81	0.102	0.151	
							25	25	24.50	22.75	0.086	0.129	

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A)	Head	QPSK	0	Left Touch	23095	707.5	1	49	25.50	23.81	0.088	0.130	
							25	25	24.50	22.75	0.069	0.103	
				Left Tilt	23095	707.5	1	49	25.50	23.81	0.071	0.105	
							25	25	24.50	22.75	0.052	0.078	
				Right Touch	23095	707.5	1	49	25.50	23.81	0.095	0.140	
							25	25	24.50	22.75	0.073	0.109	
				Right Tilt	23095	707.5	1	49	25.50	23.81	0.070	0.103	
							25	25	24.50	22.75	0.045	0.067	
	Body-worn & Hotspot	QPSK	10	Rear	23095	707.5	1	49	25.50	23.81	0.174	0.257	
							25	25	24.50	22.75	0.134	0.200	
				Front	23095	707.5	1	49	25.50	23.81	0.130	0.192	
							25	25	24.50	22.75	0.102	0.153	
	Hotspot	QPSK	10	Left	23095	707.5	1	49	25.50	23.81	0.253	0.373	20
							25	25	24.50	22.75	0.204	0.305	
				Bottom	23095	707.5	1	49	25.50	23.81	0.049	0.072	
							25	25	24.50	22.75	0.036	0.054	

10.1.8. LTE Band 13 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Head	QPSK	0	Left Touch	23230	782.0	1	0	25.50	23.89	0.133	0.193	
							25	0	24.50	22.83	0.107	0.157	
				Left Tilt	23230	782.0	1	0	25.50	23.89	0.072	0.104	
							25	0	24.50	22.83	0.059	0.087	
				Right Touch	23230	782.0	1	0	25.50	23.89	0.134	0.194	
							25	0	24.50	22.83	0.137	0.201	
				Right Tilt	23230	782.0	1	0	25.50	23.89	0.073	0.106	
							25	0	24.50	22.83	0.070	0.103	
	Body-worn & Hotspot	QPSK	10	Rear	23230	782.0	1	0	25.50	23.89	0.252	0.365	
							25	0	24.50	22.83	0.240	0.353	
				Front	23230	782.0	1	0	25.50	23.89	0.157	0.227	
							25	0	24.50	22.83	0.150	0.220	
	Hotspot	QPSK	10	Left	23230	782.0	1	0	25.50	23.89	0.400	0.580	21
							25	0	24.50	22.83	0.338	0.496	
				Bottom	23230	782.0	1	0	25.50	23.89	0.118	0.171	
							25	0	24.50	22.83	0.110	0.162	
				Right	23230	782.0	1	0	25.50	23.89	0.167	0.242	
							25	0	24.50	22.83	0.164	0.241	

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A)	Head	QPSK	0	Left Touch	23230	782.0	1	0	25.50	23.89	0.085	0.123	
							25	0	24.50	22.83	0.102	0.150	
				Left Tilt	23230	782.0	1	0	25.50	23.89	0.054	0.078	
							25	0	24.50	22.83	0.059	0.087	
				Right Touch	23230	782.0	1	0	25.50	23.89	0.116	0.168	
							25	0	24.50	22.83	0.138	0.203	22
				Right Tilt	23230	782.0	1	0	25.50	23.89	0.067	0.097	
							25	0	24.50	22.83	0.081	0.119	
	Body-worn & Hotspot	QPSK	10	Rear	23230	782.0	1	0	25.50	23.89	0.233	0.338	
							25	0	24.50	22.83	0.236	0.347	
				Front	23230	782.0	1	0	25.50	23.89	0.133	0.193	
							25	0	24.50	22.83	0.144	0.212	
	Hotspot	QPSK	10	Left	23230	782.0	1	0	25.50	23.89	0.347	0.503	23
							25	0	24.50	22.83	0.338	0.496	
				Bottom	23230	782.0	1	0	25.50	23.89	0.104	0.151	
							25	0	24.50	22.83	0.102	0.150	

10.1.9. LTE Band 14 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Head	QPSK	0	Left Touch	23330	793.0	1	49	25.50	23.83	0.105	0.154	
							25	25	24.50	22.85	0.091	0.133	
				Left Tilt	23330	793.0	1	49	25.50	23.83	0.056	0.082	
							25	25	24.50	22.85	0.044	0.064	
				Right Touch	23330	793.0	1	49	25.50	23.83	0.169	0.248	24
							25	25	24.50	22.85	0.140	0.205	
				Right Tilt	23330	793.0	1	49	25.50	23.83	0.076	0.112	
							25	25	24.50	22.85	0.064	0.094	
	Body-worn & Hotspot	QPSK	10	Rear	23330	793.0	1	49	25.50	23.83	0.291	0.427	
							25	25	24.50	22.85	0.252	0.368	
				Front	23330	793.0	1	49	25.50	23.83	0.165	0.242	
							25	25	24.50	22.85	0.116	0.170	
	Hotspot	QPSK	10	Left	23330	793.0	1	49	25.50	23.83	0.355	0.521	25
							25	25	24.50	22.85	0.291	0.425	
				Bottom	23330	793.0	1	49	25.50	23.83	0.143	0.210	
							25	25	24.50	22.85	0.115	0.168	
				Right	23330	793.0	1	49	25.50	23.83	0.164	0.241	
							25	25	24.50	22.85	0.133	0.194	

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A)	Head	QPSK	0	Left Touch	23330	793.0	1	49	25.50	23.83	0.092	0.135	
							25	25	24.50	22.85	0.089	0.130	
				Left Tilt	23330	793.0	1	49	25.50	23.83	0.057	0.084	
							25	25	24.50	22.85	0.046	0.067	
				Right Touch	23330	793.0	1	49	25.50	23.83	0.149	0.219	
							25	25	24.50	22.85	0.120	0.175	
				Right Tilt	23330	793.0	1	49	25.50	23.83	0.080	0.118	
							25	25	24.50	22.85	0.069	0.101	
	Body-worn & Hotspot	QPSK	10	Rear	23330	793.0	1	49	25.50	23.83	0.335	0.492	
							25	25	24.50	22.85	0.260	0.380	
				Front	23330	793.0	1	49	25.50	23.83	0.168	0.247	
							25	25	24.50	22.85	0.132	0.193	
	Hotspot	QPSK	10	Left	23330	793.0	1	49	25.50	23.83	0.393	0.577	26
							25	25	24.50	22.85	0.307	0.449	
				Bottom	23330	793.0	1	49	25.50	23.83	0.134	0.197	
							25	25	24.50	22.85	0.111	0.162	

10.1.10. LTE Band 25 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Head	QPSK	0	Left Touch	26140	1860.0	1	0	25.00	23.62	0.059	0.081	
							50	0	24.00	22.71	0.063	0.084	
				Left Tilt	26140	1860.0	1	0	25.00	23.62	0.064	0.088	
							50	0	24.00	22.71	0.052	0.070	
				Right Touch	26140	1860.0	1	0	25.00	23.62	0.099	0.136	
							50	0	24.00	22.71	0.085	0.114	
				Right Tilt	26140	1860.0	1	0	25.00	23.62	0.103	0.142	
							50	0	24.00	22.71	0.084	0.113	
	Body-worn & Hotspot	QPSK	10	Rear	26140	1860.0	1	0	20.00	19.18	0.246	0.297	
							50	0	20.00	19.22	0.236	0.282	
				Front	26140	1860.0	1	0	20.00	19.18	0.143	0.173	
							50	0	20.00	19.22	0.148	0.177	
	Hotspot	QPSK	10	Left	26140	1860.0	1	0	20.00	19.18	0.210	0.254	
							50	0	20.00	19.22	0.215	0.257	
				Bottom	26140	1860.0	1	0	20.00	19.18	0.547	0.661	27
							50	0	20.00	19.22	0.543	0.650	
				Right	26140	1860.0	1	0	20.00	19.18	0.029	0.035	
							50	0	20.00	19.22	0.027	0.032	

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Head	QPSK	0	Left Touch	26140	1860.0	1	0	23.50	22.54	0.453	0.565	
							50	0	23.50	22.61	0.454	0.557	
				Left Tilt	26140	1860.0	1	0	23.50	22.54	0.552	0.689	
							50	0	23.50	22.61	0.557	0.684	
				Right Touch	26140	1860.0	1	0	23.50	22.54	0.522	0.651	
							50	0	23.50	22.61	0.522	0.641	
				Right Tilt	26140	1860.0	1	0	23.50	22.54	0.622	0.776	28
							50	0	23.50	22.61	0.630	0.773	
	Body-worn & Hotspot	QPSK	10	Rear	26140	1860.0	1	0	21.00	20.00	0.365	0.460	
							50	0	21.00	19.81	0.366	0.481	
				Front	26140	1860.0	1	0	21.00	20.00	0.093	0.117	
							50	0	21.00	19.81	0.094	0.124	
	Hotspot	QPSK	10	Top	26140	1860.0	1	0	21.00	20.00	0.530	0.667	
							50	0	21.00	19.81	0.523	0.688	29
				Right	26140	1860.0	1	0	21.00	20.00	0.072	0.091	
							50	0	21.00	19.81	0.073	0.096	

10.1.11. LTE Band 26 (15MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Head	QPSK	0	Left Touch	26865	831.5	1	37	25.50	23.92	0.142	0.204	
							36	39	24.50	22.99	0.118	0.167	
				Left Tilt	26865	831.5	1	37	25.50	23.92	0.065	0.094	
							36	39	24.50	22.99	0.054	0.076	
				Right Touch	26865	831.5	1	37	25.50	23.92	0.156	0.224	
							36	39	24.50	22.99	0.117	0.166	
				Right Tilt	26865	831.5	1	37	25.50	23.92	0.090	0.129	
							36	39	24.50	22.99	0.071	0.101	
	Body-worn & Hotspot	QPSK	10	Rear	26865	831.5	1	37	25.5	23.9	0.244	0.351	
							36	39	24.5	23.0	0.201	0.285	
				Front	26865	831.5	1	37	25.5	23.9	0.064	0.092	
							36	39	24.5	23.0	0.057	0.081	
	Hotspot	QPSK	10	Left	26865	831.5	1	37	25.5	23.9	0.272	0.391	30
							36	39	24.5	23.0	0.206	0.292	
				Bottom	26865	831.5	1	37	25.5	23.9	0.096	0.138	
							36	39	24.5	23.0	0.081	0.115	
				Right	26865	831.5	1	37	25.5	23.9	0.175	0.252	
							36	39	24.5	23.0	0.127	0.180	

UL CA (Intraband-contiguous)_5B test results

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-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	
Ant.(A+B)	Head	QPSK	0	Right Touch	20525	836.5	1	49	20597	843.7	1	0	25.50	24.89	0.127	0.146	
	Body-worn & Hotspot	QPSK	10	Rear	20525	836.5	1	49	20597	843.7	1	0	25.50	24.95	0.297	0.337	31

Note(s):

UL CA_5B performed SAR test at worst configuration of LTE Band 26 instead of LTE Band 5.

LTE Band 26 (15MHz Bandwidth)_(Continued)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A)	Head	QPSK	0	Left Touch	26865	831.5	1	37	25.50	23.92	0.118	0.170	
							36	39	24.50	22.99	0.106	0.150	
				Left Tilt	26865	831.5	1	37	25.50	23.92	0.074	0.106	
							36	39	24.50	22.99	0.059	0.084	
				Right Touch	26865	831.5	1	37	25.50	23.92	0.128	0.184	
							36	39	24.50	22.99	0.160	0.227	32
				Right Tilt	26865	831.5	1	37	25.50	23.92	0.085	0.122	
							36	39	24.50	22.99	0.065	0.092	
	Body-worn & Hotspot	QPSK	10	Rear	26865	831.5	1	37	25.50	23.92	0.341	0.491	33
							36	39	24.50	22.99	0.282	0.399	
				Front	26865	831.5	1	37	25.50	23.92	0.167	0.240	
							36	39	24.50	22.99	0.124	0.176	
	Hotspot	QPSK	10	Left	26865	831.5	1	37	25.50	23.92	0.294	0.423	
							36	39	24.50	22.99	0.235	0.333	
				Bottom	26865	831.5	1	37	25.50	23.92	0.094	0.135	
							36	39	24.50	22.99	0.096	0.136	

UL CA (Intraband-contiguous)_5B test results

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-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	
Ant.(A)	Head	QPSK	0	Right Touch	20525	836.5	1	49	20597	843.7	1	0	25.50	24.87	0.143	0.165	
	Body-worn & Hotspot	QPSK	10	Rear	20525	836.5	1	49	20597	843.7	1	0	25.50	24.91	0.388	0.444	34

Note(s):

UL CA_5B performed SAR test at worst configuration of LTE Band 26 instead of LTE Band 5.

10.1.12. LTE Band 30 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Head	QPSK	0	Left Touch	27710	2310.0	1	0	24.00	23.26	0.027	0.032	
							25	0	23.00	22.33	0.022	0.026	
				Left Tilt	27710	2310.0	1	0	24.00	23.26	0.019	0.023	
							25	0	23.00	22.33	0.014	0.016	
				Right Touch	27710	2310.0	1	0	24.00	23.26	0.040	0.047	
							25	0	23.00	22.33	0.029	0.034	
				Right Tilt	27710	2310.0	1	0	24.00	23.26	0.009	0.011	
							25	0	23.00	22.33	0.004	0.005	
	Body-worn & Hotspot	QPSK	10	Rear	27710	2310.0	1	0	18.50	17.85	0.269	0.312	
							25	0	18.50	17.88	0.261	0.301	
				Front	27710	2310.0	1	0	18.50	17.85	0.086	0.100	
							25	0	18.50	17.88	0.084	0.097	
	Hotspot	QPSK	10	Left	27710	2310.0	1	0	18.50	17.85	0.051	0.059	
							25	0	18.50	17.88	0.052	0.060	
				Bottom	27710	2310.0	1	0	18.50	17.85	0.390	0.453	35
							25	0	18.50	17.88	0.384	0.443	
				Right	27710	2310.0	1	0	18.50	17.85	0.020	0.023	
							25	0	18.50	17.88	0.019	0.022	

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Head	QPSK	0	Left Touch	27710	2310.0	1	0	24.00	22.83	0.333	0.436	
							25	12	23.00	21.84	0.257	0.336	
				Left Tilt	27710	2310.0	1	0	24.00	22.83	0.438	0.573	36
							25	12	23.00	21.84	0.361	0.472	
				Right Touch	27710	2310.0	1	0	24.00	22.83	0.338	0.443	
							25	12	23.00	21.84	0.285	0.372	
				Right Tilt	27710	2310.0	1	0	24.00	22.83	0.427	0.559	
							25	12	23.00	21.84	0.337	0.440	
	Body-worn & Hotspot	QPSK	10	Rear	27710	2310.0	1	0	21.50	19.92	0.331	0.476	
							25	12	21.50	20.13	0.332	0.455	
				Front	27710	2310.0	1	0	21.50	19.92	0.087	0.125	
							25	12	21.50	20.13	0.084	0.115	
	Hotspot	QPSK	10	Top	27710	2310.0	1	0	21.50	19.92	0.470	0.676	37
							25	12	21.50	20.13	0.463	0.635	
				Right	27710	2310.0	1	0	21.50	19.92	0.087	0.125	
							25	12	21.50	20.13	0.086	0.118	

10.1.13. LTE Band 41 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Head	QPSK	0	Left Touch	41055	2636.5	1	0	25.00	23.44	0.000	0.000	
							50	0	24.00	22.50	0.015	0.021	
				Left Tilt	41055	2636.5	1	0	25.00	23.44	0.006	0.009	
							50	0	24.00	22.50	0.000	0.000	
				Right Touch	41055	2636.5	1	0	25.00	23.44	0.009	0.013	
							50	0	24.00	22.50	0.007	0.010	
				Right Tilt	41055	2636.5	1	0	25.00	23.44	0.009	0.013	
							50	0	24.00	22.50	0.009	0.013	
	Body-worn & Hotspot	QPSK	10	Rear	41055	2636.5	1	0	20.00	19.35	0.267	0.310	
							50	0	20.00	19.28	0.276	0.326	
				Front	41055	2636.5	1	0	20.00	19.35	0.049	0.057	
							50	0	20.00	19.28	0.049	0.058	
	Hotspot	QPSK	10	Left	41055	2636.5	1	0	20.00	19.35	0.069	0.080	
							50	0	20.00	19.28	0.068	0.080	
				Bottom	41055	2636.5	1	0	20.00	19.35	0.509	0.591	
							50	0	20.00	19.28	0.472	0.557	
				Right	41055	2636.5	1	0	20.00	19.35	0.022	0.026	
							50	0	20.00	19.28	0.023	0.027	

LTE Band 41 Power Class 2

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Head	QPSK	0	Left Touch	41055	2636.5	50	0	25.50	25.03	<0.001	<0.001	
	Body-worn & Hotspot	QPSK	10	Bottom	41055	2636.5	1	0	21.60	20.88	0.502	0.593	38

Note(s):

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.

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)	Fram Avg. Power (dBm)	Reported SAR (W/kg)	Duty Cycle	Tune-up Power (dBm)	Fram Avg. Power (dBm)	Reported SAR (W/kg)		
Ant.(B)	Head	43.3	25.5	153.6	0.001	63.3	24.0	159.0	0.021	0.020	-95.1
	Body-worn & Hotspot	43.3	21.6	62.6	0.593	63.3	20.0	63.3	0.591	0.584	1.5

Note(s):

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 or 3.5 W/kg (1-g or 10-g respectively)

LTE Band 41 (20MHz Bandwidth) (continued)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Head	QPSK	0	Left Touch	40620	2593.0	1	0	25.00	23.80	0.280	0.369	
							50	0	24.00	23.00	0.236	0.297	
				Left Tilt	40620	2593.0	1	0	25.00	23.80	0.394	0.519	
							50	0	24.00	23.00	0.306	0.385	
				Right Touch	40620	2593.0	1	0	25.00	23.80	0.266	0.351	
							50	0	24.00	23.00	0.222	0.279	
				Right Tilt	40620	2593.0	1	0	25.00	23.80	0.308	0.406	
							50	0	24.00	23.00	0.254	0.320	
	Body-worn & Hotspot	QPSK	10	Rear	40620	2593.0	1	0	22.00	21.10	0.260	0.320	
							50	0	22.00	21.00	0.261	0.329	
				Front	40620	2593.0	1	0	22.00	21.10	0.081	0.100	
							50	0	22.00	21.00	0.081	0.102	
	Hotspot	QPSK	10	Top	40620	2593.0	1	0	22.00	21.10	0.360	0.443	
							50	0	22.00	21.00	0.360	0.453	39
				Right	40620	2593.0	1	0	22.00	21.10	0.074	0.091	
							50	0	22.00	21.00	0.076	0.096	

LTE Band 41 Power Class 2

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Head	QPSK	0	Left Tilt	40620	2593.0	1	0	26.50	25.39	0.418	0.540	40
	Body-worn & Hotspot	QPSK	10	Top	40620	2593.0	50	0	23.60	22.67	0.342	0.424	

Note(s):

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.

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)	Fram Avg. Power (dBm)	Reported SAR (W/kg)	Duty Cycle	Tune-up Power (dBm)	Fram Avg. Power (dBm)	Reported SAR (W/kg)		
Ant.(F)	Head	43.3	26.5	193.4	0.540	63.3	25.0	200.2	0.519	0.501	7.7
	Body-worn & Hotspot	43.3	23.6	99.2	0.424	63.3	22.0	100.3	0.453	0.448	-5.3

Note(s):

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 or 3.5 W/kg (1-g or 10-g respectively)

UL CA (Intraband-contiguous)_41C test results

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-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	
Ant.(B)	Head	QPSK	0	Left Touch	41055	2636.5	50	0	40857	2616.7	50	50	24.00	22.47	0.040	0.057	
	Body-worn & Hotspot	QPSK	10	Bottom	41055	2636.5	1	0	40857	2616.7	1	99	20.00	19.28	0.476	0.562	41

UL CA (Intraband-contiguous)_41C test results

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-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	
Ant.(F)	Head	QPSK	0	Left Tilt	40620	2593.0	1	0	40422	2573.2	1	99	25.00	23.70	0.562	0.758	42
	Body-worn & Hotspot	QPSK	10	Top	40620	2593.0	50	0	40422	2573.2	50	50	22.00	21.15	0.299	0.364	

10.1.14. LTE Band 48 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Head	QPSK	0	Left Touch	55340	3560.0	1	99	23.00	22.28	0.154	0.182	
							50	50	23.00	22.35	0.155	0.180	
				Left Tilt	55340	3560.0	1	99	23.00	22.28	0.268	0.316	
							50	50	23.00	22.35	0.269	0.312	
				Right Touch	55340	3560.0	1	99	23.00	22.28	0.310	0.366	
							50	50	23.00	22.35	0.275	0.319	
				Right Tilt	55340	3560.0	1	99	23.00	22.28	0.416	0.491	43
							50	50	23.00	22.35	0.418	0.485	
	Body-worn & Hotspot	QPSK	10	Rear	55340	3560.0	1	99	21.00	20.29	0.233	0.274	
							50	50	21.00	20.44	0.237	0.270	
				Front	55340	3560.0	1	99	21.00	20.29	0.019	0.022	
							50	50	21.00	20.44	0.018	0.020	
	Hotspot	QPSK	10	Top	55340	3560.0	1	99	21.00	20.29	0.220	0.259	
							50	50	21.00	20.44	0.249	0.283	44
				Right	55340	3560.0	1	99	21.00	20.29	0.053	0.062	
							50	50	21.00	20.44	0.053	0.060	

UL CA (Intraband-contiguous)_48C test results

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-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	
Ant.(F)	Head	QPSK	0	Right Tilt	55340	3560.0	1	99	55538	3579.8	1	0	23.00	22.17	0.431	0.522	45
	Body-worn & Hotspot	QPSK	10	Top	55340	3560.0	50	50	55538	3579.8	50	0	21.00	20.31	0.278	0.326	

10.1.15. LTE Band 66 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Head	QPSK	0	Left Touch	132072	1720.0	1	99	25.00	23.61	0.085	0.117	
							50	50	24.00	22.65	0.075	0.102	
				Left Tilt	132072	1720.0	1	99	25.00	23.61	0.067	0.092	
							50	50	24.00	22.65	0.051	0.070	
				Right Touch	132072	1720.0	1	99	25.00	23.61	0.053	0.073	
							50	50	24.00	22.65	0.038	0.052	
				Right Tilt	132072	1720.0	1	99	25.00	23.61	0.061	0.083	
							50	50	24.00	22.65	0.031	0.042	
	Body-worn & Hotspot	QPSK	10	Rear	132072	1720.0	1	99	20.00	19.08	0.379	0.468	
							50	50	20.00	19.08	0.382	0.472	
				Front	132072	1720.0	1	99	20.00	19.08	0.129	0.159	
							50	50	20.00	19.08	0.136	0.168	
	Hotspot	QPSK	10	Left	132072	1720.0	1	99	20.00	19.08	0.103	0.127	
							50	50	20.00	19.08	0.108	0.133	
				Bottom	132072	1720.0	1	99	20.00	19.08	0.629	0.777	46
							50	50	20.00	19.08	0.623	0.770	
				Right	132072	1720.0	1	99	20.00	19.08	0.042	0.052	
							50	50	20.00	19.08	0.043	0.053	

UL CA (Intraband-contiguous)_66B test results

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-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	
Ant.(B)	Head	QPSK	0	Left Touch	132047	1717.5	1	74	132140	1726.8	1	0	25.00	24.38	0.024	0.028	
	Body-worn & Hotspot	QPSK	10	Bottom	132047	1717.5	1	74	132140	1726.8	1	0	20.00	19.03	0.664	0.830	47

UL CA (Intraband-contiguous)_66C test results

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-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	
Ant.(B)	Head	QPSK	0	Left Touch	132072	1720.0	1	99	132270	1739.8	1	0	25.00	24.24	0.110	0.131	
	Body-worn & Hotspot	QPSK	10	Bottom	132072	1720.0	1	99	132270	1739.8	1	0	20.00	18.91	0.609	0.783	48

LTE Band 66 (20MHz Bandwidth)_(Continued)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Head	QPSK	0	Left Touch	132572	1770.0	1	99	23.50	22.61	0.584	0.717	
							50	0	23.50	22.71	0.598	0.717	
				Left Tilt	132072	1720.0	1	99	23.50	22.50	0.814	1.025	49
							50	50	23.50	22.52	0.803	1.006	
					132322	1745.0	1	99	23.50	22.50	0.803	1.011	
							50	50	23.50	22.53	0.783	0.979	
					132572	1770.0	1	99	23.50	22.61	0.764	0.938	
							50	0	23.50	22.71	0.789	0.946	
							100	0	23.50	22.64	0.805	0.981	
				Right Touch	132572	1770.0	1	99	23.50	22.61	0.646	0.793	
							50	0	23.50	22.71	0.634	0.760	
				Right Tilt	132072	1720.0	1	99	23.50	22.50	0.775	0.976	
							50	50	23.50	22.52	0.765	0.959	
					132322	1745.0	1	99	23.50	22.50	0.771	0.971	
							50	50	23.50	22.53	0.773	0.966	
					132572	1770.0	1	99	23.50	22.61	0.783	0.961	
							50	0	23.50	22.71	0.747	0.896	
							100	0	23.50	22.64	0.781	0.952	
	Body-worn & Hotspot	QPSK	10	Rear	132572	1770.0	1	99	21.00	20.01	0.383	0.481	
							50	0	21.00	20.10	0.400	0.492	
				Front	132572	1770.0	1	99	21.00	20.01	0.140	0.176	
							50	0	21.00	20.10	0.137	0.169	
	Hotspot	QPSK	10	Top	132572	1770.0	1	99	21.00	20.01	0.525	0.659	
							50	0	21.00	20.10	0.546	0.672	50
				Right	132572	1770.0	1	99	21.00	20.01	0.089	0.112	
							50	0	21.00	20.10	0.086	0.106	

UL CA (Intraband-contiguous)_66B test results

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-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	
Ant.(F)	Head	QPSK	0	Left Tilt	132047	1717.5	1	74	132140	1726.8	1	0	23.50	22.51	0.807	1.014	51
	Body-worn & Hotspot	QPSK	10	Top	132597	1772.5	36	0	132504	1763.2	12	13	21.00	20.12	0.590	0.723	

UL CA (Intraband-contiguous)_66C test results

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	PCC UL				SCC UL				Power (dBm)		1-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	
Ant.(F)	Head	QPSK	0	Left Tilt	132072	1720.0	1	99	132270	1739.8	1	0	23.50	22.52	0.718	0.900	52
	Body-worn & Hotspot	QPSK	10	Top	1325720	1770.0	50	0	132374	1750.2	50	50	21.00	19.35	0.482	0.705	

10.1.16. LTE Band 71 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Head	QPSK	0	Left Touch	133297	680.5	1	49	25.50	24.08	0.107	0.148	
							50	0	24.50	23.11	0.069	0.095	
				Left Tilt	133297	680.5	1	49	25.50	24.08	0.052	0.072	
							50	0	24.50	23.11	0.032	0.044	
				Right Touch	133297	680.5	1	49	25.50	24.08	0.129	0.179	53
							50	0	24.50	23.11	0.084	0.116	
				Right Tilt	133297	680.5	1	49	25.50	24.08	0.077	0.107	
							50	0	24.50	23.11	0.047	0.065	
	Body-worn & Hotspot	QPSK	10	Rear	133297	680.5	1	49	25.50	24.08	0.127	0.176	
							50	0	24.50	23.11	0.093	0.128	
				Front	133297	680.5	1	49	25.50	24.08	0.081	0.112	
							50	0	24.50	23.11	0.056	0.077	
	Hotspot	QPSK	10	Left	133297	680.5	1	49	25.50	24.08	0.316	0.438	54
							50	0	24.50	23.11	0.228	0.314	
				Bottom	133297	680.5	1	49	25.50	24.08	0.042	0.058	
							50	0	24.50	23.11	0.031	0.043	
				Right	133297	680.5	1	49	25.50	24.08	0.175	0.243	
							50	0	24.50	23.11	0.108	0.149	

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A)	Head	QPSK	0	Left Touch	133297	680.5	1	49	25.50	24.08	0.051	0.071	
							50	0	24.50	23.11	0.030	0.041	
				Left Tilt	133297	680.5	1	49	25.50	24.08	0.032	0.044	
							50	0	24.50	23.11	0.019	0.026	
				Right Touch	133297	680.5	1	49	25.50	24.08	0.054	0.075	
							50	0	24.50	23.11	0.032	0.044	
				Right Tilt	133297	680.5	1	49	25.50	24.08	0.034	0.047	
							50	0	24.50	23.11	0.021	0.029	
	Body-worn & Hotspot	QPSK	10	Rear	133297	680.5	1	49	25.50	24.08	0.122	0.169	
							50	0	24.50	23.11	0.087	0.120	
				Front	133297	680.5	1	49	25.50	24.08	0.094	0.130	
							50	0	24.50	23.11	0.069	0.095	
	Hotspot	QPSK	10	Left	133297	680.5	1	49	25.50	24.08	0.270	0.374	55
							50	0	24.50	23.11	0.177	0.244	
				Bottom	133297	680.5	1	49	25.50	24.08	0.023	0.032	
							50	0	24.50	23.11	0.019	0.026	

10.1.17. NR Band n7 (40MHz Bandwidth)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Head	DFT-s-OFDM	QPSK	0	Left Touch	507000	2535.0	1	214	24.00	23.33	0.004	0.005	
								108	54	24.00	23.20	0.004	0.005	
					Left Tilt	507000	2535.0	1	214	24.00	23.33	0.027	0.031	
								108	54	24.00	23.20	0.003	0.003	
					Right Touch	507000	2535.0	1	214	24.00	23.33	0.072	0.084	
								108	54	24.00	23.20	0.055	0.066	
					Right Tilt	507000	2535.0	1	214	24.00	23.33	0.005	0.006	
								108	54	24.00	23.20	<0.001	<0.001	
		CP-OFDM	QPSK	0	Right Touch	507000	2535.0	1	1	22.50	21.93	0.028	0.032	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	507000	2535.0	1	214	19.00	18.15	0.408	0.496	
								108	54	19.00	18.11	0.336	0.412	
					Front	507000	2535.0	1	214	19.00	18.15	0.064	0.078	
								108	54	19.00	18.11	0.057	0.070	
	Hotspot	DFT-s-OFDM	QPSK	10	Left	507000	2535.0	1	214	19.00	18.15	0.064	0.077	
								108	54	19.00	18.11	0.090	0.110	
					Bottom	507000	2535.0	1	214	19.00	18.15	0.579	0.704	56
								108	54	19.00	18.11	0.497	0.610	
					Right	507000	2535.0	1	214	19.00	18.15	0.026	0.031	
								108	54	19.00	18.11	0.020	0.025	
		CP-OFDM	QPSK	10	Bottom	507000	2535	1	1	19.00	18.31	0.510	0.598	

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Head	DFT-s-OFDM	QPSK	0	Left Touch	507000	2535.0	1	214	24.00	23.58	0.509	0.561	
								108	54	24.00	23.39	0.502	0.578	
					Left Tilt	507000	2535.0	1	214	24.00	23.58	0.580	0.639	57
								108	54	24.00	23.39	0.540	0.621	
					Right Touch	507000	2535.0	1	214	24.00	23.58	0.370	0.408	
								108	54	24.00	23.39	0.362	0.417	
					Right Tilt	507000	2535.0	1	214	24.00	23.58	0.529	0.583	
								108	54	24.00	23.39	0.493	0.567	
		CP-OFDM	QPSK	0	Left Tilt	507000	2535.0	1	1	22.50	22.00	0.328	0.368	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	507000	2535.0	1	214	20.00	19.62	0.199	0.217	
								108	54	20.00	19.48	0.188	0.212	
					Front	507000	2535.0	1	214	20.00	19.62	0.058	0.063	
								108	54	20.00	19.48	0.052	0.058	
	Hotspot	DFT-s-OFDM	QPSK	10	Top	507000	2535.0	1	214	20.00	19.62	0.264	0.288	58
								108	54	20.00	19.48	0.246	0.277	
					Right	507000	2535.0	1	214	20.00	19.62	0.045	0.050	
								108	54	20.00	19.48	0.044	0.049	
		CP-OFDM	QPSK	10	Top	507000	2535.0	1	1	20.00	19.44	0.252	0.287	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

10.1.18. NR Band n12 (15MHz Bandwidth)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Head	DFT-s-OFDM	QPSK	0	Left Touch	141500	707.5	1	1	25.50	24.57	0.120	0.149	59
								36	22	25.50	24.51	0.106	0.133	
					Left Tilt	141500	707.5	1	1	25.50	24.57	0.067	0.083	
								36	22	25.50	24.51	0.063	0.079	
					Right Touch	141500	707.5	1	1	25.50	24.57	0.103	0.128	
								36	22	25.50	24.51	0.118	0.148	
					Right Tilt	141500	707.5	1	1	25.50	24.57	0.052	0.065	
								36	22	25.50	24.51	0.069	0.087	
		CP-OFDM	QPSK	0	Left Touch	141500	707.5	1	1	24.00	22.85	0.070	0.092	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	141500	707.5	1	1	25.50	24.57	0.186	0.230	
								36	22	25.50	24.51	0.202	0.254	
					Front	141500	707.5	1	1	25.50	24.57	0.112	0.139	
								36	22	25.50	24.51	0.150	0.188	
	Hotspot	DFT-s-OFDM	QPSK	10	Left	141500	707.5	1	1	25.50	24.57	0.324	0.401	
								36	22	25.50	24.51	0.377	0.474	60
					Bottom	141500	707.5	1	1	25.50	24.57	0.043	0.053	
								36	22	25.50	24.51	0.066	0.083	
					Right	141500	707.5	1	1	25.50	24.57	0.116	0.144	
								36	22	25.50	24.51	0.162	0.203	
		CP-OFDM	QPSK	10	Left	141500	707.5	1	1	24.00	22.85	0.227	0.296	

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A)	Head	DFT-s-OFDM	QPSK	0	Left Touch	141500	707.5	1	1	25.50	24.57	0.077	0.095	
								36	22	25.50	24.51	0.098	0.123	
					Left Tilt	141500	707.5	1	1	25.50	24.57	0.046	0.057	
								36	22	25.50	24.51	0.071	0.089	
					Right Touch	141500	707.5	1	1	25.50	24.57	0.107	0.133	
								36	22	25.50	24.51	0.100	0.126	
					Right Tilt	141500	707.5	1	1	25.50	24.57	0.061	0.075	
								36	22	25.50	24.51	0.055	0.069	
		CP-OFDM	QPSK	0	Right Touch	141500	707.5	1	1	24.00	22.85	0.087	0.114	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	141500	707.5	1	1	25.50	24.57	0.195	0.242	
								36	22	25.50	24.51	0.201	0.252	
					Front	141500	707.5	1	1	25.50	24.57	0.093	0.115	
								36	22	25.50	24.51	0.130	0.163	
	Hotspot	DFT-s-OFDM	QPSK	10	Left	141500	707.5	1	1	25.50	24.57	0.260	0.322	
								36	22	25.50	24.51	0.288	0.362	61
					Bottom	141500	707.5	1	1	25.50	24.57	0.041	0.051	
								36	22	25.50	24.51	0.043	0.054	
		CP-OFDM	QPSK	10	Left	141500	707.5	1	1	24.00	22.85	0.216	0.281	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

10.1.19. NR Band n25 (40MHz Bandwidth)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Head	DFT-s-OFDM	QPSK	0	Left Touch	376500	1882.5	1	1	24.50	24.21	0.032	0.034	
								108	54	24.50	24.13	0.029	0.031	
					Left Tilt	376500	1882.5	1	1	24.50	24.21	0.019	0.020	
								108	54	24.50	24.13	0.017	0.018	
					Right Touch	376500	1882.5	1	1	24.50	24.21	0.079	0.084	
								108	54	24.50	24.13	0.083	0.090	
					Right Tilt	376500	1882.5	1	1	24.50	24.21	0.016	0.017	
								108	54	24.50	24.13	0.016	0.017	
		CP-OFDM	QPSK	0	Right Touch	376500	1882.5	1	1	23.00	22.56	0.040	0.044	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	376500	1882.5	1	1	20.00	19.49	0.223	0.251	
								108	54	20.00	19.40	0.185	0.212	
					Front	376500	1882.5	1	1	20.00	19.49	0.090	0.101	
								108	54	20.00	19.40	0.108	0.124	
	Hotspot	DFT-s-OFDM	QPSK	10	Left	376500	1882.5	1	1	20.00	19.49	0.202	0.227	
								108	54	20.00	19.40	0.177	0.203	
					Bottom	376500	1882.5	1	1	20.00	19.49	0.540	0.607	62
								108	54	20.00	19.40	0.499	0.573	
					Right	376500	1882.5	1	1	20.00	19.49	0.028	0.032	
								108	54	20.00	19.40	0.023	0.026	
		CP-OFDM	QPSK	10	Bottom	376500	1882.5	1	1	20.00	19.38	0.475	0.548	

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Head	DFT-s-OFDM	QPSK	0	Left Touch	376500	1882.5	1	108	23.50	22.78	0.494	0.583	
								108	0	23.50	22.51	0.428	0.538	
					Left Tilt	376500	1882.5	1	108	23.50	22.78	0.679	0.801	
								108	0	23.50	22.51	0.581	0.730	
					Right Touch	376500	1882.5	1	108	23.50	22.78	0.549	0.648	
								108	0	23.50	22.51	0.476	0.598	
					Right Tilt	376500	1882.5	1	108	23.50	22.78	0.684	0.807	63
								108	0	23.50	22.51	0.601	0.755	
		CP-OFDM	QPSK	0	Right Tilt	376500	1882.5	1	1	22.50	22.01	0.488	0.546	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	376500	1882.5	1	108	21.00	20.29	0.343	0.404	
								108	0	21.00	20.29	0.343	0.404	
					Front	376500	1882.5	1	108	21.00	20.29	0.085	0.100	
								108	0	21.00	20.29	0.084	0.099	
	Hotspot	DFT-s-OFDM	QPSK	10	Top	376500	1882.5	1	108	21.00	20.29	0.591	0.696	64
								108	0	21.00	20.29	0.583	0.687	
					Right	376500	1882.5	1	108	21.00	20.29	0.093	0.110	
								108	0	21.00	20.29	0.091	0.108	
		CP-OFDM	QPSK	10	Top	376500	1882.5	1	1	21.00	20.37	0.572	0.661	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

10.1.20. NR Band n26 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Head	DFT-s-OFDM	QPSK	0	Left Touch	166300	831.5	1	53	25.50	24.46	0.127	0.161	
								50	28	25.50	24.41	0.125	0.161	
					Left Tilt	166300	831.5	1	53	25.50	24.46	0.069	0.088	
								50	28	25.50	24.41	0.071	0.092	
					Right Touch	166300	831.5	1	53	25.50	24.46	0.062	0.078	
								50	28	25.50	24.41	0.064	0.082	
					Right Tilt	166300	831.5	1	53	25.50	24.46	0.053	0.067	
								50	28	25.50	24.41	0.055	0.070	
		CP-OFDM	QPSK	0	Left Touch	166300	831.5	1	1	24.00	22.73	0.088	0.118	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	166300	831.5	1	53	25.50	24.46	0.287	0.365	
								50	28	25.50	24.41	0.287	0.369	65
					Front	166300	831.5	1	53	25.50	24.46	0.148	0.188	
								50	28	25.50	24.41	0.151	0.194	
	Hotspot	DFT-s-OFDM	QPSK	10	Left	166300	831.5	1	53	25.50	24.46	0.139	0.177	
								50	28	25.50	24.41	0.139	0.179	
					Bottom	166300	831.5	1	53	25.50	24.46	0.093	0.118	
								50	28	25.50	24.41	0.095	0.122	
					Right	166300	831.5	1	53	25.50	24.46	0.076	0.096	
								50	28	25.50	24.41	0.077	0.099	
		CP-OFDM	QPSK	10	Rear	166300	831.5	1	1	24.00	22.61	0.199	0.274	

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A)	Head	DFT-s-OFDM	QPSK	0	Left Touch	166300	831.5	1	53	25.50	24.46	0.110	0.140	
								50	28	25.50	24.41	0.111	0.143	
					Left Tilt	166300	831.5	1	53	25.50	24.46	0.060	0.076	
								50	28	25.50	24.41	0.061	0.078	
					Right Touch	166300	831.5	1	53	25.50	24.46	0.135	0.172	66
								50	28	25.50	24.41	0.130	0.167	
					Right Tilt	166300	831.5	1	53	25.50	24.46	0.067	0.086	
								50	28	25.50	24.41	0.067	0.086	
		CP-OFDM	QPSK	0	Right Touch	166300	831.5	1	1	24.00	22.61	0.095	0.131	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	166300	831.5	1	53	25.50	24.46	0.416	0.529	
								50	28	25.50	24.41	0.420	0.540	67
					Front	166300	831.5	1	53	25.50	24.46	0.157	0.199	
								50	28	25.50	24.41	0.156	0.201	
	Hotspot	DFT-s-OFDM	QPSK	10	Left	166300	831.5	1	53	25.50	24.46	0.296	0.376	
								50	28	25.50	24.41	0.293	0.377	
					Bottom	166300	831.5	1	53	25.50	24.46	0.097	0.123	
								50	28	25.50	24.41	0.099	0.127	
		CP-OFDM	QPSK	10	Rear	166300	831.5	1	1	24.00	22.61	0.284	0.391	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

10.1.21. NR Band n30 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Head	DFT-s-OFDM	QPSK	0	Left Touch	462000	2310.0	1	26	23.50	22.12	0.011	0.015	
								25	14	23.50	22.85	0.019	0.023	
					Left Tilt	462000	2310.0	1	26	23.50	22.12	0.004	0.005	
								25	14	23.50	22.85	0.027	0.032	
					Right Touch	462000	2310.0	1	26	23.50	22.12	0.030	0.041	
								25	14	23.50	22.85	0.029	0.034	
					Right Tilt	462000	2310.0	1	26	23.50	22.12	0.008	0.012	
								25	14	23.50	22.85	0.006	0.006	
		CP-OFDM	QPSK	0	Right Touch	462000	2310.0	1	1	22.00	21.30	0.026	0.031	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	462000	2310.0	1	26	18.50	17.78	0.326	0.385	
								25	14	18.50	17.81	0.325	0.381	
					Front	462000	2310.0	1	26	18.50	17.78	0.065	0.077	
								25	14	18.50	17.81	0.065	0.077	
	Hotspot	DFT-s-OFDM	QPSK	10	Left	462000	2310.0	1	26	18.50	17.78	0.036	0.043	
								25	14	18.50	17.81	0.036	0.042	
					Bottom	462000	2310.0	1	26	18.50	17.78	0.461	0.544	
								25	14	18.50	17.81	0.471	0.552	68
					Right	462000	2310.0	1	26	18.50	17.78	0.021	0.025	
								25	14	18.50	17.81	0.021	0.025	
		CP-OFDM	QPSK	10	Bottom	462000	2310.0	1	1	18.50	17.74	0.444	0.529	

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Head	DFT-s-OFDM	QPSK	0	Left Touch	462000	2310.0	1	26	23.50	22.76	0.322	0.382	
								25	14	23.50	22.76	0.346	0.410	
					Left Tilt	462000	2310.0	1	26	23.50	22.76	0.447	0.530	69
								25	14	23.50	22.76	0.412	0.489	
					Right Touch	462000	2310.0	1	26	23.50	22.76	0.267	0.317	
								25	14	23.50	22.76	0.334	0.396	
					Right Tilt	462000	2310.0	1	26	23.50	22.76	0.395	0.468	
								25	14	23.50	22.76	0.372	0.441	
		CP-OFDM	QPSK	0	Left Tilt	462000	2310.0	1	1	22.00	21.45	0.292	0.331	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	462000	2310.0	1	26	21.50	20.74	0.573	0.683	
								25	14	21.50	20.70	0.554	0.666	
					Front	462000	2310.0	1	26	21.50	20.74	0.107	0.127	
								25	14	21.50	20.70	0.108	0.130	
	Hotspot	DFT-s-OFDM	QPSK	10	Top	462000	2310.0	1	26	21.50	20.74	0.601	0.716	
								25	14	21.50	20.70	0.604	0.726	70
					Right	462000	2310.0	1	26	21.50	20.74	0.147	0.175	
								25	14	21.50	20.70	0.134	0.161	
		CP-OFDM	QPSK	10	Top	462000	2310.0	1	1	22.00	21.45	0.456	0.518	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

10.1.22. NR Band n41-SA mode (100MHz Bandwidth)

(Voice/data/SRS0)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Head	DFT-s-OFDM	QPSK	0	Left Touch	518598	2593.0	1	1	21.00	20.17	0.004	0.005	
								135	0	21.00	19.95	0.006	0.008	
					Left Tilt	518598	2593.0	1	1	21.00	20.17	0.003	0.004	
								135	0	21.00	19.95	0.006	0.008	
					Right Touch	518598	2593.0	1	1	21.00	20.17	0.004	0.005	
								135	0	21.00	19.95	0.030	0.038	71
					Right Tilt	518598	2593.0	1	1	21.00	20.17	0.004	0.005	
								135	0	21.00	19.95	0.006	0.008	
		CP-OFDM	QPSK	0	Right Touch	518598	2593.0	1	1	20.00	20.10	0.002	0.002	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	518598	2593.0	1	1	18.00	17.13	0.121	0.148	
								135	0	18.00	16.86	0.134	0.174	
					Front	518598	2593.0	1	1	18.00	17.13	0.013	0.016	
								135	0	18.00	16.86	0.017	0.022	
	Hotspot	DFT-s-OFDM	QPSK	10	Left	518598	2593.0	1	1	18.00	17.13	0.033	0.040	
								135	0	18.00	16.86	0.026	0.034	
					Bottom	518598	2593.0	1	1	18.00	17.13	0.179	0.219	
								135	0	18.00	16.86	0.227	0.295	72
					Right	518598	2593.0	1	1	18.00	17.13	0.006	0.007	
								135	0	18.00	16.86	0.010	0.013	
		CP-OFDM	QPSK	10	Bottom	518598	2593.0	1	1	18.00	17.04	0.161	0.201	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

(SRS1/SRS2/SRS3)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F) -SRS1-	Head	SRS CW	0	Left Touch	518598	2593.0	21.00	19.79	0.180	0.238	
				Left Tilt	518598	2593.0	21.00	19.79	0.257	0.340	
				Right Touch	518598	2593.0	21.00	19.79	0.212	0.280	
				Right Tilt	518598	2593.0	21.00	19.79	0.260	0.344	73
	Body-worn & Hotspot	SRS CW	10	Rear	518598	2593.0	20.00	18.67	0.146	0.198	
				Front	518598	2593.0	20.00	18.67	0.055	0.075	
	Hotspot	SRS CW	10	Top	518598	2593.0	20.00	18.67	0.264	0.359	74
				Right	518598	2593.0	20.00	18.67	0.052	0.071	
Ant.(C) -SRS2-	Head	SRS CW	0	Left Touch	518598	2593.0	13.00	12.21	0.000	0.000	
				Left Tilt	518598	2593.0	13.00	12.21	0.000	0.000	
				Right Touch	518598	2593.0	13.00	12.21	0.009	0.011	
				Right Tilt	518598	2593.0	13.00	12.21	0.012	0.014	
	Body-worn & Hotspot	SRS CW	10	Rear	518598	2593.0	13.00	12.21	0.014	0.017	
				Front	518598	2593.0	13.00	12.21	0.000	0.000	
	Hotspot	SRS CW	10	Left	518598	2593.0	13.00	12.21	0.000	0.000	
				Bottom	518598	2593.0	13.00	12.21	0.016	0.019	
				Right	518598	2593.0	13.00	12.21	0.000	0.000	
Ant.(H) -SRS3-	Head	SRS CW	0	Left Touch	518598	2593.0	13.00	11.12	0.017	0.026	
				Left Tilt	518598	2593.0	13.00	11.12	0.005	0.008	
				Right Touch	518598	2593.0	13.00	11.12	0.000	0.000	
				Right Tilt	518598	2593.0	13.00	11.12	0.000	0.000	
	Body-worn & Hotspot	SRS CW	10	Rear	518598	2593.0	13.00	11.12	0.016	0.025	
				Front	518598	2593.0	13.00	11.12	0.003	0.005	
	Hotspot			Left	518598	2593.0	13.00	11.12	0.015	0.023	

10.1.23. NR Band n41-NSA mode (100MHz Bandwidth)

(Voice/data/SRS0)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Head	DFT-s-OFDM	QPSK	0	Left Touch	518598	2593.0	1	1	21.00	20.09	0.269	0.332	
								135	0	21.00	20.02	0.239	0.300	
					Left Tilt	518598	2593.0	1	1	21.00	20.09	0.361	0.445	75
								135	0	21.00	20.02	0.289	0.362	
					Right Touch	518598	2593.0	1	1	21.00	20.09	0.223	0.275	
								135	0	21.00	20.02	0.205	0.257	
					Right Tilt	518598	2593.0	1	1	21.00	20.09	0.280	0.345	
								135	0	21.00	20.02	0.270	0.338	
		CP-OFDM	QPSK	0	Left Tilt	518598	2593.0	1	1	21.00	20.27	0.298	0.353	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	518598	2593.0	1	1	20.00	19.00	0.188	0.237	
								135	0	20.00	18.88	0.187	0.242	
					Front	518598	2593.0	1	1	20.00	19.00	0.056	0.070	
								135	0	20.00	18.88	0.055	0.071	
	Hotspot	DFT-s-OFDM	QPSK	10	Top	518598	2593.0	1	1	20.00	19.00	0.223	0.281	
								135	0	20.00	18.88	0.244	0.316	76
					Right	518598	2593.0	1	1	20.00	19.00	0.054	0.068	
								135	0	20.00	18.88	0.061	0.079	
		CP-OFDM	QPSK	10	Top	518598	2593.0	1	1	20.00	19.00	0.208	0.262	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

(SRS1/SRS2/SRS3)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B) -SRS1-	Head	SRS CW	0	Left Touch	518598	2593.0	21.00	19.69	0.003	0.004	
				Left Tilt	518598	2593.0	21.00	19.69	0.003	0.004	
				Right Touch	518598	2593.0	21.00	19.69	0.002	0.003	
				Right Tilt	518598	2593.0	21.00	19.69	0.002	0.003	
	Body-worn & Hotspot	SRS CW	10	Rear	518598	2593.0	18.00	16.67	0.176	0.239	
				Front	518598	2593.0	18.00	16.67	0.028	0.038	
	Hotspot	SRS CW	10	Left	518598	2593.0	18.00	16.67	0.291	0.395	77
				Bottom	518598	2593.0	18.00	16.67	0.284	0.386	
				Right	518598	2593.0	18.00	16.67	0.010	0.014	
Ant.(C) -SRS3-	Head	SRS CW	0	Left Touch	518598	2593.0	13.00	12.21	0.000	0.000	
				Left Tilt	518598	2593.0	13.00	12.21	0.000	0.000	
				Right Touch	518598	2593.0	13.00	12.21	0.009	0.011	
				Right Tilt	518598	2593.0	13.00	12.21	0.012	0.014	
	Body-worn & Hotspot	SRS CW	10	Rear	518598	2593.0	13.00	12.21	0.014	0.017	
				Front	518598	2593.0	13.00	12.21	0.000	0.000	
	Hotspot	SRS CW	10	Left	518598	2593.0	13.00	12.21	0.000	0.000	
				Bottom	518598	2593.0	13.00	12.21	0.016	0.019	
				Right	518598	2593.0	13.00	12.21	0.000	0.000	
Ant.(H) -SRS2-	Head	SRS CW	0	Left Touch	518598	2593.0	13.00	11.12	0.017	0.026	78
				Left Tilt	518598	2593.0	13.00	11.12	0.005	0.008	
				Right Touch	518598	2593.0	13.00	11.12	0.000	0.000	
				Right Tilt	518598	2593.0	13.00	11.12	0.000	0.000	
	Body-worn & Hotspot	SRS CW	10	Rear	518598	2593.0	13.00	11.12	0.016	0.025	
				Front	518598	2593.0	13.00	11.12	0.003	0.005	
	Hotspot			Left	518598	2593.0	13.00	11.12	0.015	0.023	

Note(s):

Ant.(C) has support both SRS2(SA) and SRS3(NSA) with same target power. so SAR data are same.
Ant.(H) has support both SRS3(SA) and SRS2(NSA) with same target power. so SAR data are same.

10.1.24. NR Band n48 (40MHz Bandwidth)

(Voice/data/SRS0)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Head	DFT-s-OFDM	QPSK	0	Left Touch	645332	3680.0	1	104	20.00	19.73	0.284	0.302	
								50	56	20.00	19.68	0.311	0.335	
					Left Tilt	645332	3680.0	1	104	20.00	19.73	0.359	0.382	
								50	56	20.00	19.68	0.364	0.392	
					Right Touch	645332	3680.0	1	104	20.00	19.73	0.523	0.557	
								50	56	20.00	19.68	0.500	0.538	
					Right Tilt	638000	3570.0	1	104	20.00	19.52	0.644	0.719	
								50	56	20.00	19.34	0.558	0.650	
						641666	3625.0	1	104	20.00	19.73	0.637	0.678	
								50	56	20.00	19.65	0.695	0.753	
						645332	3680.0	1	104	20.00	19.73	0.695	0.740	
								50	56	20.00	19.68	0.786	0.846	79
		CP-OFDM	QPSK	0	Right Tilt	645332	3680.0	1	1	20.00	19.65	0.695	0.753	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	645332	3680.0	1	104	19.00	18.32	0.268	0.313	
								50	56	19.00	18.23	0.262	0.313	
					Front	645332	3680.0	1	104	19.00	18.32	0.063	0.074	
								50	56	19.00	18.23	0.063	0.075	
	Hotspot	DFT-s-OFDM	QPSK	10	Top	645332	3680.0	1	104	19.00	18.32	0.381	0.446	
								50	56	19.00	18.23	0.384	0.458	80
					Right	645332	3680.0	1	104	19.00	18.32	0.056	0.065	
								50	56	19.00	18.23	0.055	0.066	
		CP-OFDM	QPSK	10	Top	645332	3680.0	1	1	19.00	18.23	0.377	0.450	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

(SRS1/SRS2/SRS3)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Ant.(D) -SRS1-	Head	SRS CW	0	Left Touch	638000	3570.0	16.00	15.81	0.000	0.000	
				Left Tilt	638000	3570.0	16.00	15.81	0.000	0.000	
				Right Touch	638000	3570.0	16.00	15.81	0.000	0.000	
				Right Tilt	638000	3570.0	16.00	15.81	0.000	0.000	
	Body-worn & Hotspot	SRS CW	10	Rear	638000	3570.0	16.00	15.81	0.127	0.133	
				Front	638000	3570.0	16.00	15.81	0.016	0.016	
	Hotspot	SRS CW	10	Bottom	638000	3570.0	16.00	15.81	0.226	0.236	81
				Right	638000	3570.0	16.00	15.81	0.000	0.000	
Ant.(G) -SRS2-	Head	SRS CW	0	Left Touch	638000	3570.0	16.00	15.67	0.222	0.240	
				Left Tilt	638000	3570.0	16.00	15.67	0.289	0.312	82
				Right Touch	638000	3570.0	16.00	15.67	0.146	0.158	
				Right Tilt	638000	3570.0	16.00	15.67	0.192	0.207	
	Body-worn & Hotspot	SRS CW	10	Rear	638000	3570.0	16.00	15.67	0.181	0.195	
				Front	638000	3570.0	16.00	15.67	0.039	0.042	
	Hotspot	SRS CW	10	Top	638000	3570.0	16.00	15.67	0.117	0.126	
				Left	638000	3570.0	16.00	15.67	0.018	0.019	
				Right	638000	3570.0	16.00	15.67	0.009	0.010	
Ant.(A) -SRS3-	Head	SRS CW	0	Left Touch	638000	3570.0	16.00	15.60	<0.001	<0.001	
				Left Tilt	638000	3570.0	16.00	15.60	<0.001	<0.001	
				Right Touch	638000	3570.0	16.00	15.60	<0.001	<0.001	
				Right Tilt	638000	3570.0	16.00	15.60	<0.001	<0.001	
	Body-worn & Hotspot	SRS CW	10	Rear	638000	3570.0	16.00	15.60	0.054	0.059	
				Front	638000	3570.0	16.00	15.60	0.017	0.019	
	Hotspot	SRS CW	10	Left	638000	3570.0	16.00	15.60	0.047	0.052	
				Bottom	638000	3570.0	16.00	15.60	0.125	0.137	

10.1.25. NR Band n66 (40MHz Bandwidth)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Head	DFT-s-OFDM	QPSK	0	Left Touch	349000	1745.0	1	214	24.50	23.57	0.081	0.100	
								108	54	24.50	23.46	0.080	0.102	
					Left Tilt	349000	1745.0	1	214	24.50	23.57	0.028	0.034	
								108	54	24.50	23.46	0.039	0.049	
					Right Touch	349000	1745.0	1	214	24.50	23.57	0.056	0.069	
								108	54	24.50	23.46	0.060	0.076	
					Right Tilt	349000	1745.0	1	214	24.50	23.57	0.039	0.049	
								108	54	24.50	23.46	0.038	0.049	
		CP-OFDM	QPSK	0	Left Touch	349000	1745.0	1	1	23.00	21.89	0.048	0.061	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	349000	1745.0	1	214	20.00	19.15	0.359	0.437	
								108	54	20.00	19.15	0.383	0.466	
					Front	349000	1745.0	1	214	20.00	19.15	0.154	0.187	
								108	54	20.00	19.15	0.156	0.190	
	Hotspot	DFT-s-OFDM	QPSK	10	Left	349000	1745.0	1	214	20.00	19.15	0.136	0.165	
								108	54	20.00	19.15	0.136	0.165	
					Bottom	349000	1745.0	1	214	20.00	19.15	0.520	0.632	
								108	54	20.00	19.15	0.527	0.641	83
					Right	349000	1745.0	1	214	20.00	19.15	0.052	0.063	
								108	54	20.00	19.15	0.057	0.069	
		CP-OFDM	QPSK	10	Bottom	349000	1745.0	1	1	20.00	19.12	0.516	0.632	

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Head	DFT-s-OFDM	QPSK	0	Left Touch	349000	1745.0	1	214	23.50	22.62	0.494	0.605	
								108	54	23.50	22.37	0.533	0.691	
					Left Tilt	349000	1745.0	1	214	23.50	22.62	0.804	0.985	
								108	54	23.50	22.37	0.813	1.055	
								216	0	23.50	22.15	0.722	0.985	
					Right Touch	349000	1745.0	1	214	23.50	22.62	0.526	0.644	
								108	54	23.50	22.37	0.536	0.695	
					Right Tilt	349000	1745.0	1	214	23.50	22.62	0.825	1.010	
								108	54	23.50	22.37	0.833	1.081	84
								216	0	23.50	22.15	0.741	1.011	
		CP-OFDM	QPSK	0	Right Tilt	349000	1745.0	1	1	23.50	21.52	0.631	0.995	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	349000	1745.0	1	214	21.00	19.94	0.315	0.402	
								108	54	21.00	20.00	0.286	0.360	
					Front	349000	1745.0	1	214	21.00	19.94	0.138	0.176	
								108	54	21.00	20.00	0.140	0.176	
	Hotspot	DFT-s-OFDM	QPSK	10	Top	349000	1745.0	1	214	21.00	19.94	0.606	0.774	
								108	54	21.00	20.00	0.635	0.799	85
					Right	349000	1745.0	1	214	21.00	19.94	0.105	0.134	
								108	54	21.00	20.00	0.107	0.135	
		CP-OFDM	QPSK	10	Top	349000	1745.0	1	1	21.00	19.76	0.512	0.681	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

10.1.26. NR Band n71 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Head	DFT-s-OFDM	QPSK	0	Left Touch	136100	680.5	1	1	25.50	24.90	0.090	0.104	
								50	28	25.50	24.65	0.111	0.135	
					Left Tilt	136100	680.5	1	1	25.50	24.90	0.050	0.057	
								50	28	25.50	24.65	0.065	0.079	
					Right Touch	136100	680.5	1	1	25.50	24.90	0.109	0.125	
								50	28	25.50	24.65	0.139	0.169	86
					Right Tilt	136100	680.5	1	1	25.50	24.90	0.057	0.066	
								50	28	25.50	24.65	0.076	0.092	
		CP-OFDM	QPSK	0	Right Touch	136100	680.5	1	1	24.00	23.25	0.073	0.087	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	136100	680.5	1	1	25.50	24.90	0.151	0.173	
								50	28	25.50	24.65	0.167	0.203	
					Front	136100	680.5	1	1	25.50	24.90	0.141	0.162	
								50	28	25.50	24.65	0.166	0.202	
	Hotspot	DFT-s-OFDM	QPSK	10	Left	136100	680.5	1	1	25.50	24.90	0.292	0.335	
								50	28	25.50	24.65	0.354	0.431	87
					Bottom	136100	680.5	1	1	25.50	24.90	0.038	0.044	
								50	28	25.50	24.65	0.058	0.070	
					Right	136100	680.5	1	1	25.50	24.90	0.130	0.149	
								50	28	25.50	24.65	0.152	0.185	
		CP-OFDM	QPSK	10	Left	136100	680.5	1	1	24.00	23.25	0.202	0.240	

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A)	Head	DFT-s-OFDM	QPSK	0	Left Touch	136100	680.5	1	1	25.50	24.90	0.041	0.047	
								50	28	25.50	24.65	0.057	0.069	
					Left Tilt	136100	680.5	1	1	25.50	24.90	0.021	0.024	
								50	28	25.50	24.65	0.029	0.035	
					Right Touch	136100	680.5	1	1	25.50	24.90	0.044	0.051	
								50	28	25.50	24.65	0.063	0.076	
					Right Tilt	136100	680.5	1	1	25.50	24.90	0.024	0.027	
								50	28	25.50	24.65	0.024	0.029	
		CP-OFDM	QPSK	0	Right Touch	136100	680.5	1	1	24.00	23.25	0.030	0.036	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	136100	680.5	1	1	25.50	24.90	0.130	0.149	
								50	28	25.50	24.65	0.142	0.173	
					Front	136100	680.5	1	1	25.50	24.90	0.092	0.106	
								50	28	25.50	24.65	0.102	0.124	
	Hotspot	DFT-s-OFDM	QPSK	10	Left	136100	680.5	1	1	25.50	24.90	0.156	0.179	
								50	28	25.50	24.65	0.203	0.247	88
					Bottom	136100	680.5	1	1	25.50	24.90	0.028	0.032	
								50	28	25.50	24.65	0.034	0.042	
		CP-OFDM	QPSK	10	Left	136100	680.5	1	1	24.00	23.25	0.106	0.126	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

10.1.27. NR Band n77 (100MHz Bandwidth)

(Voice/data/SRS0)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Note.	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
Ant.(F)	Head	DFT-s-OFDM	QPSK	0	Left Touch	662000	3930.0	1	271	19.00	18.16	0.266	0.323		
								135	69	19.00	18.27	0.278	0.329		
					Left Tilt	650000	3750.0	1	271	19.00	17.89	0.309	0.399		
								135	69	19.00	17.86	0.272	0.354		
						662000	3930.0	1	271	19.00	18.16	0.384	0.466		
								135	69	19.00	18.27	0.383	0.453		
					Right Touch	650000	3750.0	1	271	19.00	17.89	0.410	0.529		
								135	69	19.00	17.86	0.326	0.424		
						662000	3930.0	1	271	19.00	18.16	0.568	0.689		
								135	69	19.00	18.27	0.573	0.678		
					Right Tilt	633334	3500.0	1	271	19.00	18.38	0.322	0.371	1	
						650000	3750.0	1	271	19.00	17.89	0.685	0.884		
								135	69	19.00	17.86	0.644	0.837		
						662000	3930.0	1	271	19.00	18.16	0.770	0.934		89
								135	69	19.00	18.27	0.722	0.854		
								270	0	19.00	18.20	0.718	0.863		
		CP-OFDM	QPSK	0	Right Tilt	662000	3930.0	1	1	19.00	18.20	0.742	0.892	2	
	Body-worn & Hotspot	DFT-s-OFDM	QPSK	10	Rear	650000	3750.0	1	271	18.50	17.78	0.308	0.364		
								135	69	18.50	17.78	0.162	0.191		
					Front	650000	3750.0	1	271	18.50	17.78	0.084	0.099		
								135	69	18.50	17.78	0.067	0.079		
	Hotspot	DFT-s-OFDM	QPSK	10	Top	633334	3500.0	1	271	18.50	17.89	0.221	0.254	1	
						650000	3750.0	1	271	18.50	17.34	0.290	0.379		
								135	69	18.50	17.30	0.294	0.388		
						662000	3930.0	1	271	18.50	17.78	0.445	0.525		90
								135	69	18.50	17.78	0.253	0.299		
					Right	650000	3750.0	1	271	18.50	17.78	0.033	0.039		
								135	69	18.50	17.78	0.024	0.028		
		CP-OFDM	QPSK	10	Top	662000	3930.0	1	1	18.50	17.78	0.255	0.301	2	

Note(s):

1. NR Band-Dod n77 are tested at worst configuration of NR Band n77 band.
2. CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in standalone exposure conditions.
3. NR Band n77 tested using FTM mode.

NR Band n77 (100MHz Bandwidth) (Continued)

(SRS1/SRS2/SRS3)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Note.	Plot No.
							Tune-up limit	Meas.	Meas.	Scaled		
Ant.(D) -SRS1-	Head	SRS CW	0	Left Touch	633334	3500.0	16.00	15.37	0.000	0.000		
					650000	3750.0	16.00	15.25	0.000	0.000	1	
				Left Tilt	633334	3500.0	16.00	15.37	0.000	0.000		
				Right Touch	633334	3500.0	16.00	15.37	0.000	0.000		
				Right Tilt	633334	3500.0	16.00	15.37	0.000	0.000		
	Body-worn & Hotspot	SRS CW	10	Rear	633334	3500.0	16.00	15.37	0.112	0.129		
				Front	633334	3500.0	16.00	15.37	0.009	0.011		
	Hotspot	SRS CW	10	Bottom	633334	3500.0	16.00	15.37	0.210	0.243		91
					650000	3750.0	16.00	15.25	0.183	0.217	1	
				Right	633334	3500.0	16.00	15.37	0.006	0.007		
Ant.(G) -SRS2-	Head	SRS CW	0	Left Touch	650000	3750.0	16.00	15.28	0.167	0.197		
				Left Tilt	633334	3500.0	16.00	15.72	0.173	0.185	2	
					650000	3750.0	16.00	15.28	0.216	0.255		92
				Right Touch	650000	3750.0	16.00	15.28	0.113	0.133		
				Right Tilt	650000	3750.0	16.00	15.28	0.119	0.140		
	Body-worn & Hotspot	SRS CW	10	Rear	633334	3500.0	16.00	15.72	0.140	0.149		
					650000	3750.0	16.00	15.28	0.098	0.116	1	
				Front	633334	3500.0	16.00	15.72	0.031	0.033		
	Hotspot	SRS CW	10	Top	633334	3500.0	16.00	15.72	0.098	0.105		
				Left	633334	3500.0	16.00	15.72	0.010	0.011		
				Right	633334	3500.0	16.00	15.72	0.006	0.006		
Ant.(A) -SRS3-	Head	SRS CW	0	Left Touch	650000	3750.0	16.00	15.78	0.000	0.000		
				Left Tilt	650000	3750.0	16.00	15.78	0.000	0.000		
				Right Touch	633334	3500.0	16.00	15.45	0.000	0.000	2	
					650000	3750.0	16.00	15.78	0.014	0.015		
				Right Tilt	650000	3750.0	16.00	15.78	0.002	0.002		
	Body-worn & Hotspot	SRS CW	10	Rear	650000	3750.0	16.00	15.78	0.055	0.058		
				Front	650000	3750.0	16.00	15.78	0.050	0.052		
	Hotspot	SRS CW	10	Left	650000	3750.0	16.00	15.78	0.147	0.155		
				Bottom	633334	3500.0	16.00	15.45	0.142	0.161	2	
					650000	3750.0	16.00	15.78	0.157	0.165		

Note(s):

1. NR Band n77 are tested at worst configuration of NR Band n77-DoD band.
2. NR Band n77-Dod are tested at worst configuration of NR Band n77 band.
3. NR Band n77 tested using FTM mode.

10.1.28. Wi-Fi (DTS Band)

DTS SISO Ant.G SAR results

Antenna	Frequency Band	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
WLAN SISO Ant.G	2.4GHz	802.11b 1 Mbps	Head	0	Left Touch	6	2437.0	0.278	98.8%	18.0	17.63	0.178	0.196	4	
					Left Tilt	6	2437.0	0.348	98.8%	18.0	17.63	0.210	0.231	1	
					Right Touch	6	2437.0	0.320	98.8%	18.0	17.63	0.180	0.198	4	
					Rightt Tilt	6	2437.0	0.249	98.8%	18.0	17.63	0.199	0.219	4	
			Body-worn & Hotspot	10	Rear	6	2437.0	0.365	98.8%	19.0	18.74	0.275	0.295	1	
					Front	6	2437.0	0.127	98.8%	19.0	18.74	0.097	0.104	4	
			Hotspot	10	Top	6	2437.0	0.467	98.8%	19.0	18.74	0.381	0.409		93
					Left	6	2437.0	0.185	98.8%	19.0	18.74	0.150	0.161	2	
					Right	6	2437.0	0.094	98.8%	19.0	18.74	0.065	0.070	4	

DTS MIMO Ant.H+G SAR results

Antenna	Frequency Band	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
WLAN MIMO	2.4GHz	802.11b 1 Mbps	Head	0	Left Touch	11	2462.0	0.911	98.9%	18.0	17.35	0.565	0.664	4	
					Left Tilt	11	2462.0	0.912	98.9%	18.0	17.35	0.609	0.716	2	
					Right Touch	11	2462.0	0.984	98.9%	18.0	17.35	0.557	0.654		
					Rightt Tilt	11	2462.0	0.634	98.9%	18.0	17.35	0.670	0.787	4	94
			Body-worn & Hotspot	10	Rear	6	2437.0	0.363	98.9%	19.0	18.35	0.286	0.336		
					Front	6	2437.0	0.174	98.9%	19.0	18.35	0.148	0.174	4	
			Hotspot	10	Top	6	2437.0	0.523	98.9%	19.0	18.35	0.422	0.496		95
					Left	6	2437.0	0.279	98.9%	19.0	18.35	0.241	0.283	2	
					Right	6	2437.0	0.029	98.9%	19.0	18.35	0.020	0.023	4	

Note(s):

1. When the Highest reported SAR is ≤ 0.4 or 1.0 W/kg (1-g or 10-g respectively). Therefore, further SAR measurements within this exposure condition are not required.
2. Highest reported SAR is > 0.4 or 1.0 W/kg (1-g or 10-g respectively). Due to the highest reported SAR for this test position, other test positions in this exposure condition were evaluated until a SAR ≤ 0.8 or 2.0 W/kg (1-g or 10-g respectively) was reported.
3. Testing for a second channel was required because the reported SAR for this test position was > 0.8 or 2.0 W/kg (1-g or 10-g respectively).
4. Additional testing required in order satisfying FCC simultaneous transmission limit criteria.

10.1.29. Wi-Fi (U-NII Bands)

U-NII 2A MIMO Ant.H+J SAR results

Antenna	Frequency Band	Mode	RF Exposure Conditions	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)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled		
WLAN MIMO Ant.H	5.3 GHz U-NII 2A	802.11ac VHT 80 29.3 Mbps	Head	0	Left Touch	58	5290.0	0.127	97.2%	18.0	17.08	0.085	0.108			4	
					Left Tilt	58	5290.0	0.112	97.2%	18.0	17.08						
					Right Touch	58	5290.0	0.227	97.2%	18.0	17.08	0.164	0.208			1	96
					Right Tilt	58	5290.0	0.059	97.2%	18.0	17.08						
			Body-worn	10	Rear	58	5290.0	0.755	97.2%	17.0	16.72						
					Front	58	5290.0	0.034	97.2%	17.0	16.72	0.024	0.026			2	
			Product Specific 10-g	0	Rear	58	5290.0	7.210	97.2%	17.0	16.72						
					Front	58	5290.0	0.708	97.2%	17.0	16.72			0.124	0.136	4	
					Top	58	5290.0	0.564	97.2%	17.0	16.72						
					Left	58	5290.0	3.810	97.2%	17.0	16.72			0.574	0.630	2	
					Right	58	5290.0	0.114	97.2%	17.0	16.72			0.034	0.037	4	
WLAN MIMO Ant.J	5.3 GHz U-NII 2A	802.11ac VHT 80 29.3 Mbps	Head	0	Left Touch	58	5290.0	0.127	97.2%	18.0	16.77						
					Left Tilt	58	5290.0	0.112	97.2%	18.0	16.77	0.072	0.098			4	
					Right Touch	58	5290.0	0.227	97.2%	18.0	16.77						
					Right Tilt	58	5290.0	0.059	97.2%	18.0	16.77	0.039	0.053			4	
			Body-worn	10	Rear	58	5290.0	0.755	97.2%	17.0	15.44	0.595	0.876				97
					Front	58	5290.0	0.034	97.2%	17.0	15.44						
			Product Specific 10-g	0	Rear	58	5290.0	7.210	97.2%	17.0	15.44			1.090	1.605		98
					Front	58	5290.0	0.708	97.2%	17.0	15.44						
					Top	58	5290.0	0.564	97.2%	17.0	15.44			0.178	0.262	4	
					Left	58	5290.0	3.810	97.2%	17.0	15.44						
					Right	58	5290.0	0.114	97.2%	17.0	15.44						

U-NII 2C MIMO Ant.H+J SAR results

Antenna	Frequency Band	Mode	RF Exposure Conditions	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)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled		
WLAN MIMO Ant.H	5.5 GHz U-NII 2C	802.11ac VHT 80 29.3 Mbps	Head	0	Left Touch	138	5690.0	0.291	97.2%	18.0	17.07	0.200	0.255			4	
					Left Tilt	138	5690.0	0.123	97.2%	18.0	17.07						
					Right Touch	138	5690.0	0.421	97.2%	18.0	17.07	0.310	0.395			1	99
					Right Tilt	138	5690.0	0.101	97.2%	18.0	17.07						
			Body-worn	10	Rear	122	5610.0	0.830	97.2%	17.0	16.70						
						138	5690.0	0.900	97.2%	17.0	16.71						
					Front	138	5690.0	0.120	97.2%	17.0	16.71	0.021	0.023			2	
			Product Specific 10-g	0	Rear	138	5690.0	5.690	97.2%	17.0	16.71						
					Front	138	5690.0	0.911	97.2%	17.0	16.71			0.178	0.196	4	
					Top	138	5690.0	0.540	97.2%	17.0	16.71						
					Left	138	5690.0	6.310	97.2%	17.0	16.71			0.920	1.011		
					Right	138	5690.0	0.092	97.2%	17.0	16.71			0.028	0.031	4	
WLAN MIMO Ant.J	5.5 GHz U-NII 2C	802.11ac VHT 80 29.3 Mbps	Head	0	Left Touch	138	5690.0	0.291	97.2%	18.0	17.27						
					Left Tilt	138	5690.0	0.123	97.2%	18.0	17.27	0.097	0.118			4	
					Right Touch	138	5690.0	0.421	97.2%	18.0	17.27						
					Right Tilt	138	5690.0	0.101	97.2%	18.0	17.27	0.082	0.100			4	
			Body-worn	10	Rear	122	5610.0	0.830	97.2%	17.0	16.40	0.613	0.724			3	
						138	5690.0	0.900	97.2%	17.0	16.11	0.690	0.871				100
					Front	138	5690.0	0.120	97.2%	17.0	16.11						
			Product Specific 10-g	0	Rear	138	5690.0	5.690	97.2%	17.0	16.11			1.030	1.300	2	101
					Front	138	5690.0	0.911	97.2%	17.0	16.11						
					Top	138	5690.0	0.540	97.2%	17.0	16.11			0.097	0.122	4	
					Left	138	5690.0	6.310	97.2%	17.0	16.11						
					Right	138	5690.0	0.092	97.2%	17.0	16.11						

Note(s):

1. When the Highest reported SAR is ≤ 0.4 or 1.0 W/kg (1-g or 10-g respectively). Therefore, further SAR measurements within this exposure condition are not required.
2. Highest reported SAR is > 0.4 or 1.0 W/kg (1-g or 10-g respectively). Due to the highest reported SAR for this test position, other test positions in this exposure condition were evaluated until a SAR ≤ 0.8 or 2.0 W/kg (1-g or 10-g respectively) was reported.
3. Testing for a second channel was required because the reported SAR for this test position was > 0.8 or 2.0 W/kg (1-g or 10-g respectively).
4. Additional testing required in order satisfying FCC simultaneous transmission limit criteria.

Wi-Fi (U-NII Bands) (Continued)

U-NII 3 MIMO Ant.H+J SAR results

Antenna	Frequency Band	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Power (dBm)		1-g SAR (W/kg)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
WLAN MIMO Ant.H	5.8 GHz U-NII 3	802.11ac VHT 80 29.3 Mbps	Head	0	Left Touch	155	5775.0	0.295	97.2%	18.0	16.53	0.140	0.202	4	
					Left Tilt	155	5775.0	0.162	97.2%	18.0	16.53				
					Right Touch	155	5775.0	0.312	97.2%	18.0	16.53	0.233	0.336	1	102
					Right Tilt	155	5775.0	0.119	97.2%	18.0	16.53				
			Body-worn & Hotspot	10	Rear	155	5775.0	1.230	97.2%	17.0	16.33				
					Front	155	5775.0	0.020	97.2%	17.0	16.33				
			Hotspot	10	Top	155	5775.0	0.304	97.2%	17.0	16.33				
					Left	155	5775.0	0.110	97.2%	17.0	16.33	0.085	0.102	4	
					Right	155	5775.0	0.069	97.2%	17.0	16.33	0.051	0.061	4	
WLAN MIMO Ant.J	5.8 GHz U-NII 3	802.11ac VHT 80 29.3 Mbps	Head	0	Left Touch	155	5775.0	0.295	97.2%	18.0	17.69				
					Left Tilt	155	5775.0	0.162	97.2%	18.0	17.69	0.070	0.077	4	
					Right Touch	155	5775.0	0.312	97.2%	18.0	17.69				
					Right Tilt	155	5775.0	0.119	97.2%	18.0	17.69	0.082	0.091	4	
			Body-worn & Hotspot	10	Rear	155	5775.0	1.230	97.2%	17.0	15.68	0.702	0.978		103
					Front	155	5775.0	0.039	97.2%	17.0	15.68	0.013	0.018	4	
			Hotspot	10	Top	155	5775.0	0.304	97.2%	17.0	15.68	0.237	0.330	2	
					Left	155	5775.0	0.110	97.2%	17.0	15.68				
					Right	155	5775.0	0.069	97.2%	17.0	15.68				

U-NII 4 MIMO Ant.H+J SAR results

Antenna	Frequency Band	Mode	RF Exposure Conditions	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)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled		
WLAN MIMO Ant.H	5.9 GHz U-NII 4	802.11ac VHT 80 29.3 Mbps	Head	0	Left Touch	171	5855.0	0.258	97.2%	18.0	16.85	0.101	0.135			4	
					Left Tilt	171	5855.0	0.115	97.2%	18.0	16.85						
					Right Touch	171	5855.0	0.301	97.2%	18.0	16.85	0.215	0.288			1	104
					Right Tilt	171	5855.0	0.297	97.2%	18.0	16.85						
			Body-worn	10	Rear	171	5855.0	0.720	97.2%	17.0	16.37						
					Front	171	5855.0	0.013	97.2%	17.0	16.37	0.007	0.008			2	
			Product Specific 10-g	0	Rear	171	5855.0	7.430	97.2%	17.0	16.37						
					Front	171	5855.0	0.851	97.2%	17.0	16.37			0.156	0.185	4	
					Top	171	5855.0	0.817	97.2%	17.0	16.37						
					Left	171	5855.0	4.990	97.2%	17.0	16.37			0.692	0.823	2	
					Right	171	5855.0	0.100	97.2%	17.0	16.37						
WLAN MIMO Ant.J	5.9 GHz U-NII 4	802.11ac VHT 80 29.3 Mbps	Head	0	Left Touch	171	5855.0	0.258	97.2%	18.0	17.19						
					Left Tilt	171	5855.0	0.115	97.2%	18.0	17.19	0.047	0.058			4	
					Right Touch	171	5855.0	0.301	97.2%	18.0	17.19						
					Right Tilt	171	5855.0	0.297	97.2%	18.0	17.19	0.087	0.108			4	
			Body-worn	10	Rear	171	5855.0	0.720	97.2%	17.0	15.86	0.601	0.804				105
					Front	171	5855.0	0.013	97.2%	17.0	15.86						
			Product Specific 10-g	0	Rear	171	5855.0	7.430	97.2%	17.0	15.86			0.784	1.048		106
					Front	171	5855.0	0.851	97.2%	17.0	15.86						
					Top	171	5855.0	0.817	97.2%	17.0	15.86			0.198	0.265	4	
					Left	171	5855.0	4.990	97.2%	17.0	15.86						
					Right	171	5855.0	0.100	97.2%	17.0	15.86			0.033	0.044	4	

Note(s):

1. When the Highest reported SAR is ≤ 0.4 or 1.0 W/kg (1-g or 10-g respectively). Therefore, further SAR measurements within this exposure condition are not required.
2. Highest reported SAR is > 0.4 or 1.0 W/kg (1-g or 10-g respectively). Due to the highest reported SAR for this test position, other test positions in this exposure condition were evaluated until a SAR ≤ 0.8 or 2.0 W/kg (1-g or 10-g respectively) was reported.
3. Testing for a second channel was required because the reported SAR for this test position was > 0.8 or 2.0 W/kg (1-g or 10-g respectively).
4. Additional testing required in order satisfying FCC simultaneous transmission limit criteria.

10.1.30. Bluetooth

Bluetooth SISO SAR results

Antenna	Frequency Band	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
BT SISO Ant.H	2.4GHz	LE, 1M	Head	0	Left Touch	19	2440.0	84.3%	18.00	17.57	0.087	0.099	
					Left Tilt	19	2440.0	84.3%	18.00	17.57	0.050	0.057	
					Right Touch	19	2440.0	84.3%	18.00	17.57	0.054	0.062	
					Rightt Tilt	19	2440.0	84.3%	18.00	17.57	0.061	0.070	
			Body-worn & Hotspot	10	Rear	19	2440.0	84.3%	18.00	17.57	0.062	0.071	
					Front	19	2440.0	84.3%	18.00	17.57	0.014	0.016	
			Hotspot	10	Left	19	2440.0	84.3%	18.00	17.57	0.069	0.078	107
BT SISO Ant.G	2.4GHz	LE, 1M	Head	0	Left Touch	19	2440.0	84.3%	16.00	15.13	0.089	0.112	
					Left Tilt	19	2440.0	84.3%	16.00	15.13	0.109	0.138	
					Right Touch	19	2440.0	84.3%	16.00	15.13	0.093	0.117	
					Rightt Tilt	19	2440.0	84.3%	16.00	15.13	0.128	0.161	108
			Body-worn & Hotspot	10	Rear	19	2440.0	84.3%	16.00	15.13	0.054	0.068	
					Front	19	2440.0	84.3%	16.00	15.13	0.014	0.017	
			Hotspot	10	Top	19	2440.0	84.3%	16.00	15.13	0.091	0.115	109
					Left	19	2440.0	84.3%	16.00	15.13	0.011	0.014	
					Right	19	2440.0	84.3%	16.00	15.13	0.003	0.004	

10.1.31. NFC

Antenna	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Test setup		Freq. (MHz)	10-g SAR (W/kg)	Plot No.
					Type	Bitrate		Meas.	
NFC	PBRS	Product Specific 10-g	0	Rear	A	106	13.6	0.013	
					B	106	13.6	0.014	
					F	212	13.6	0.014	110
					F	424	13.6	0.014	
				Front	F	212	13.6	0.000	
				Left	F	212	13.6	0.000	
				Bottom	F	212	13.6	0.000	
				Right	F	212	13.6	0.000	

10.2. Folder Opened (UMPC Mini Tablet) SAR Results

10.2.1. GSM 850

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Body	GPRS 2 Slots	10	Rear	190	836.6	32.50	30.60	0.418	0.647	1
				Front	190	836.6	32.50	30.60	0.342	0.530	
				Left	190	836.6	32.50	30.60	0.134	0.208	
				Bottom	190	836.6	32.50	30.60	0.216	0.335	
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		10-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	GPRS 2 Slots	0	Rear	190	836.6	32.50	30.60	0.881	1.365	2
				Front	190	836.6	32.50	30.60	0.810	1.255	
				Left	190	836.6	32.50	30.60	0.648	1.004	
				Bottom	190	836.6	32.50	30.60	0.556	0.861	

10.2.2. GSM 1900

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Body	GPRS 4 Slots	10	Rear	661	1880.0	22.50	21.44	0.234	0.299	
				Front	661	1880.0	22.50	21.44	0.135	0.172	
				Left	661	1880.0	22.50	21.44	0.049	0.063	
				Bottom	661	1880.0	22.50	21.44	0.393	0.502	3
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		10-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	GPRS 4 Slots	0	Rear	661	1880.0	22.50	21.44	0.721	0.920	
				Front	661	1880.0	22.50	21.44	0.670	0.855	
				Left	661	1880.0	22.50	21.44	0.101	0.129	
				Bottom	661	1880.0	22.50	21.44	1.260	1.608	4

10.2.3. WCDMA Band II

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Body	Rel.99 RMC	10	Rear	9400	1880.0	20.00	19.21	0.313	0.375	
				Front	9400	1880.0	20.00	19.21	0.241	0.289	
				Left	9400	1880.0	20.00	19.21	0.190	0.228	
				Bottom	9400	1880.0	20.00	19.21	0.635	0.762	5
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		10-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	Rel.99 RMC	0	Rear	9400	1880.0	20.00	19.21	1.230	1.475	
				Front	9400	1880.0	20.00	19.21	0.911	1.093	
				Left	9400	1880.0	20.00	19.21	0.537	0.644	
				Bottom	9262	1852.4	20.00	19.21	2.000	2.399	
					9400	1880.0	20.00	19.21	2.210	2.651	
					9538	1907.6	20.00	19.22	2.260	2.705	6

10.2.4. WCDMA Band IV

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Body	Rel.99 RMC	10	Rear	1413	1732.6	20.00	19.16	0.306	0.371	
				Front	1413	1732.6	20.00	19.16	0.235	0.285	
				Left	1413	1732.6	20.00	19.16	0.110	0.133	
				Bottom	1413	1732.6	20.00	19.16	0.518	0.629	7
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		10-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	Rel.99 RMC	0	Rear	1413	1732.6	20.00	19.16	1.240	1.505	
				Front	1413	1732.6	20.00	19.16	0.999	1.212	
				Left	1413	1732.6	20.00	19.16	0.258	0.313	
				Bottom	1312	1712.4	20.00	19.18	2.060	2.488	
					1413	1732.6	20.00	19.16	1.960	2.378	
					1513	1752.6	20.00	19.11	2.200	2.700	8

10.2.5. WCDMA Band V

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Body	Rel.99 RMC	10	Rear	4132	826.4	25.50	24.69	0.711	0.857	
					4183	836.6	25.50	24.54	0.741	0.924	9
					4233	846.6	25.50	24.83	0.755	0.881	
				Front	4183	836.6	25.50	24.54	0.435	0.543	
				Left	4183	836.6	25.50	24.54	0.166	0.207	
				Bottom	4183	836.6	25.50	24.54	0.222	0.277	
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		10-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	Rel.99 RMC	0	Rear	4183	836.6	25.50	24.54	1.170	1.459	
				Front	4183	836.6	25.50	24.54	1.040	1.297	
				Left	4183	836.6	25.50	24.54	1.360	1.696	10
				Bottom	4183	836.6	25.50	24.54	1.030	1.285	

10.2.6. LTE Band 7 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Body	QPSK	10	Rear	20850	2510.0	1	99	18.00	17.59	0.492	0.541	
							50	24	18.00	17.71	0.504	0.539	
				Front	20850	2510.0	1	99	18.00	17.59	0.230	0.253	
							50	24	18.00	17.71	0.238	0.254	
				Left	20850	2510.0	1	99	18.00	17.59	0.097	0.107	
							50	24	18.00	17.71	0.101	0.108	
				Bottom	20850	2510.0	1	99	18.00	17.59	0.627	0.689	11
							50	24	18.00	17.71	0.642	0.686	
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	QPSK	0	Rear	20850	2510.0	1	99	18.00	17.59	1.280	1.407	
							50	24	18.00	17.71	1.320	1.411	
				Front	20850	2510.0	1	99	18.00	17.59	0.815	0.896	
							50	24	18.00	17.71	0.840	0.898	
				Left	20850	2510.0	1	99	18.00	17.59	0.190	0.209	
							50	24	18.00	17.71	0.194	0.207	
				Bottom	20850	2510.0	1	99	18.00	17.59	2.260	2.484	
							50	24	18.00	17.71	2.270	2.427	
							100	0	18.00	17.67	2.350	2.536	
					21100	2535.0	1	99	18.00	17.46	2.560	2.899	
							50	24	18.00	17.59	2.580	2.835	
					21350	2560.0	1	99	18.00	17.34	2.610	3.038	12
							50	24	18.00	17.51	2.670	2.989	

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Body	QPSK	10	Rear	21350	2560.0	1	0	20.00	18.27	0.300	0.447	
							50	50	20.00	18.35	0.304	0.445	
				Front	21350	2560.0	1	0	20.00	18.27	0.136	0.203	
							50	50	20.00	18.35	0.137	0.200	
				Top	21350	2560.0	1	0	20.00	18.27	0.399	0.594	
							50	50	20.00	18.35	0.415	0.607	
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	QPSK	0	Rear	21350	2560.0	1	0	20.00	18.27	0.358	0.533	
							50	50	20.00	18.35	0.396	0.579	
				Front	21350	2560.0	1	0	20.00	18.27	0.574	0.855	
							50	50	20.00	18.35	0.586	0.857	
				Top	21350	2560.0	1	0	20.00	18.27	1.280	1.906	13
							50	50	20.00	18.35	1.300	1.901	

10.2.7. LTE Band 12 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Body	QPSK	10	Rear	23095	707.5	1	49	25.50	23.81	0.397	0.586	14
							25	25	24.50	22.75	0.316	0.473	
				Front	23095	707.5	1	49	25.50	23.81	0.309	0.456	
							25	25	24.50	22.75	0.246	0.368	
				Left	23095	707.5	1	49	25.50	23.81	0.257	0.379	
							25	25	24.50	22.75	0.208	0.311	
				Bottom	23095	707.5	1	49	25.50	23.81	0.192	0.283	
							25	25	24.50	22.75	0.159	0.238	
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	QPSK	0	Rear	23095	707.5	1	49	25.50	23.81	0.826	1.219	
							25	25	24.50	22.75	0.663	0.992	
				Front	23095	707.5	1	49	25.50	23.81	0.960	1.417	
							25	25	24.50	22.75	0.720	1.077	
				Left	23095	707.5	1	49	25.50	23.81	1.170	1.727	15
							25	25	24.50	22.75	0.943	1.411	
				Bottom	23095	707.5	1	49	25.50	23.81	0.740	1.092	
							25	25	24.50	22.75	0.592	0.886	

10.2.8. LTE Band 13 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Body	QPSK	10	Rear	23230	782.0	1	0	25.50	23.89	0.422	0.611	16
							25	0	24.50	22.83	0.364	0.535	
				Front	23230	782.0	1	0	25.50	23.89	0.334	0.484	
							25	0	24.50	22.83	0.291	0.427	
				Left	23230	782.0	1	0	25.50	23.89	0.348	0.504	
							25	0	24.50	22.83	0.295	0.433	
				Bottom	23230	782.0	1	0	25.50	23.89	0.321	0.465	
							25	0	24.50	22.83	0.288	0.423	
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	QPSK	0	Rear	23230	782.0	1	0	25.50	23.89	0.888	1.287	
							25	0	24.50	22.83	0.830	1.219	
				Front	23230	782.0	1	0	25.50	23.89	1.130	1.637	
							25	0	24.50	22.83	0.912	1.340	
				Left	23230	782.0	1	0	25.50	23.89	1.420	2.057	17
							25	0	24.50	22.83	1.200	1.763	
				Bottom	23230	782.0	1	0	25.50	23.89	1.100	1.594	
							25	0	24.50	22.83	1.030	1.513	

10.2.9. LTE Band 14 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Body	QPSK	10	Rear	23330	793.0	1	49	25.50	23.83	0.422	0.620	
							25	25	24.50	22.85	0.334	0.488	
				Front	23330	793.0	1	49	25.50	23.83	0.332	0.488	
							25	25	24.50	22.85	0.263	0.385	
				Left	23330	793.0	1	49	25.50	23.83	0.285	0.419	
							25	25	24.50	22.85	0.240	0.351	
				Bottom	23330	793.0	1	49	25.50	23.83	0.483	0.709	18
							25	25	24.50	22.85	0.377	0.551	
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	QPSK	0	Rear	23330	793.0	1	49	25.50	23.83	0.958	1.407	
							25	25	24.50	22.85	0.766	1.120	
				Front	23330	793.0	1	49	25.50	23.83	0.970	1.425	
							25	25	24.50	22.85	0.778	1.138	
				Left	23330	793.0	1	49	25.50	23.83	1.430	2.101	
							25	25	24.50	22.85	1.110	1.623	
				Bottom	23330	793.0	1	49	25.50	23.83	1.480	2.174	19
							25	25	24.50	22.85	1.190	1.740	

10.2.10. LTE Band 25 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Body	QPSK	10	Rear	26140	1860.0	1	0	20.00	19.18	0.409	0.494	
							50	0	20.00	19.22	0.416	0.498	
				Front	26140	1860.0	1	0	20.00	19.18	0.223	0.269	
							50	0	20.00	19.22	0.227	0.272	
				Left	26140	1860.0	1	0	20.00	19.18	0.160	0.193	
							50	0	20.00	19.22	0.162	0.194	
				Bottom	26140	1860.0	1	0	20.00	19.18	0.568	0.686	
							50	0	20.00	19.22	0.581	0.695	20
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	QPSK	0	Rear	26140	1860.0	1	0	20.00	19.18	0.917	1.108	
							50	0	20.00	19.22	0.945	1.131	
				Front	26140	1860.0	1	0	20.00	19.18	0.788	0.952	
							50	0	20.00	19.22	0.809	0.968	
				Left	26140	1860.0	1	0	20.00	19.18	0.442	0.534	
							50	0	20.00	19.22	0.454	0.543	
				Bottom	26140	1860.0	1	0	20.00	19.18	1.740	2.102	
							50	0	20.00	19.22	1.780	2.130	
							100	0	20.00	19.11	1.780	2.185	
					26365	1882.5	1	0	20.00	19.00	1.900	2.392	
							50	0	20.00	19.03	1.900	2.375	
					26590	1905.0	1	0	20.00	18.93	1.890	2.418	
							50	0	20.00	18.99	1.930	2.435	21

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Body	QPSK	10	Rear	26140	1860.0	1	0	21.00	20.00	0.368	0.463	
							50	0	21.00	19.81	0.374	0.492	
				Front	26140	1860.0	1	0	21.00	20.00	0.247	0.311	
							50	0	21.00	19.81	0.295	0.388	
				Top	26140	1860.0	1	0	21.00	20.00	0.518	0.652	
							50	0	21.00	19.81	0.525	0.690	
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	QPSK	0	Rear	26140	1860.0	1	0	21.00	20.00	0.963	1.212	
							50	0	21.00	19.81	1.000	1.315	
				Front	26140	1860.0	1	0	21.00	20.00	0.738	0.929	
							50	0	21.00	19.81	0.739	0.972	
				Top	26140	1860.0	1	0	21.00	20.00	1.630	2.052	
							50	0	21.00	19.81	1.665	2.190	
							100	0	21.00	19.73	1.630	2.184	
					26365	1882.5	1	0	21.00	19.59	1.710	2.366	
							50	0	21.00	19.68	1.750	2.372	
					26590	1905.0	1	0	21.00	19.61	1.770	2.438	22
							50	0	21.00	19.71	1.780	2.396	

10.2.11. LTE Band 26 (15MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Body	QPSK	10	Rear	26865	831.5	1	37	25.50	23.92	0.464	0.668	23
							36	39	24.50	22.99	0.373	0.528	
				Front	26865	831.5	1	37	25.50	23.92	0.364	0.524	
							36	39	24.50	22.99	0.290	0.411	
				Left	26865	831.5	1	37	25.50	23.92	0.154	0.222	
							36	39	24.50	22.99	0.120	0.170	
				Bottom	26865	831.5	1	37	25.50	23.92	0.251	0.361	
							36	39	24.50	22.99	0.185	0.262	
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	QPSK	0	Rear	26865	831.5	1	37	25.50	23.92	0.955	1.374	
							36	39	24.50	22.99	0.769	1.089	
				Front	26865	831.5	1	37	25.50	23.92	1.010	1.453	
							36	39	24.50	22.99	0.787	1.114	
				Left	26865	831.5	1	37	25.50	23.92	1.340	1.928	24
							36	39	24.50	22.99	1.010	1.430	
				Bottom	26865	831.5	1	37	25.50	23.92	1.000	1.439	
							36	39	24.50	22.99	0.813	1.151	

UL CA (Intraband-contiguous)_5B test results

Antenna	RF Exposure Conditions	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.(A+B)	Body	QPSK	10	Rear	20525	836.5	1	49	20597	843.7	1	0	25.50	23.99	0.493	0.698			25
	Extremity	QPSK	0	Left	20525	836.5	1	49	20597	843.7	1	0	25.50	23.99			1.270	1.798	

Note(s):

UL CA_5B performed SAR test at worst configuration of LTE Band 26 instead of LTE Band 5.

10.2.12. LTE Band 30 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Body	QPSK	10	Rear	27710	2310.0	1	0	18.50	17.85	0.285	0.331	
							25	0	18.50	17.88	0.287	0.331	
				Front	27710	2310.0	1	0	18.50	17.85	0.145	0.168	
							25	0	18.50	17.88	0.187	0.216	
				Left	27710	2310.0	1	0	18.50	17.85	0.069	0.080	
							25	0	18.50	17.88	0.071	0.082	
				Bottom	27710	2310.0	1	0	18.50	17.85	0.499	0.580	
							25	0	18.50	17.88	0.488	0.563	
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	QPSK	0	Rear	27710	2310.0	1	0	18.50	17.85	0.985	1.144	
							25	0	18.50	17.88	0.992	1.144	
				Front	27710	2310.0	1	0	18.50	17.85	0.824	0.957	
							25	0	18.50	17.88	0.825	0.952	
				Left	27710	2310.0	1	0	18.50	17.85	0.110	0.128	
							25	0	18.50	17.88	0.111	0.128	
				Bottom	27710	2310.0	1	0	18.50	17.85	1.950	2.265	
							25	0	18.50	17.88	1.950	2.249	
							50	0	18.50	17.81	1.960	2.298	

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Body	QPSK	10	Rear	27710	2310.0	1	0	21.50	19.92	0.324	0.466	
							25	12	21.50	20.13	0.319	0.437	
				Front	27710	2310.0	1	0	21.50	19.92	0.276	0.397	
							25	12	21.50	20.13	0.275	0.377	
				Top	27710	2310.0	1	0	21.50	19.92	0.577	0.830	26
							25	12	21.50	20.13	0.573	0.786	
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	QPSK	0	Rear	27710	2310.0	1	0	21.50	19.92	0.888	1.278	
							25	12	21.50	20.13	0.889	1.219	
				Front	27710	2310.0	1	0	21.50	19.92	0.887	1.276	
							25	12	21.50	20.13	1.050	1.439	
				Top	27710	2310.0	1	0	21.50	19.92	2.080	2.993	
							25	12	21.50	20.13	2.170	2.975	
							50	0	21.50	19.90	2.150	3.108	27

10.2.13. LTE Band 41 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Body	QPSK	10	Rear	41055	2636.5	1	0	20.00	19.35	0.405	0.470	
							50	0	20.00	19.28	0.395	0.466	
				Front	41055	2636.5	1	0	20.00	19.35	0.201	0.233	
							50	0	20.00	19.28	0.196	0.231	
				Left	41055	2636.5	1	0	20.00	19.35	0.059	0.069	
							50	0	20.00	19.28	0.059	0.070	
				Bottom	39750	2506.0	1	0	20.00	18.95	0.546	0.695	
							50	0	20.00	18.98	0.538	0.680	
					40185	2549.5	1	0	20.00	18.76	0.658	0.875	
							50	0	20.00	18.76	0.669	0.890	28
					40620	2593.0	1	0	20.00	18.95	0.680	0.866	
							50	0	20.00	18.96	0.694	0.882	
					41055	2636.5	1	0	20.00	19.35	0.616	0.715	
							50	0	20.00	19.28	0.616	0.727	
							100	0	20.00	19.26	0.499	0.592	
					41490	2680.0	1	0	20.00	18.98	0.569	0.720	
							50	0	20.00	18.99	0.560	0.707	
Ant.(B)	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	QPSK	0	Rear	41055	2636.5	1	0	20.00	19.35	1.020	1.185	
							50	0	20.00	19.28	1.020	1.204	
				Front	41055	2636.5	1	0	20.00	19.35	0.763	0.886	
							50	0	20.00	19.28	0.758	0.895	
				Left	41055	2636.5	1	0	20.00	19.35	0.140	0.163	
							50	0	20.00	19.28	0.136	0.161	
				Bottom	39750	2506.0	1	0	20.00	18.95	1.120	1.426	
							50	0	20.00	18.98	1.630	2.062	
					40185	2549.5	1	0	20.00	18.76	1.870	2.488	
							50	0	20.00	18.76	1.900	2.528	29
					40620	2593.0	1	0	20.00	18.95	1.870	2.381	
							50	0	20.00	18.96	1.850	2.351	
					41055	2636.5	1	0	20.00	19.35	1.910	2.218	
							50	0	20.00	19.28	1.920	2.266	
							100	0	20.00	19.26	1.920	2.277	
					41490	2680.0	1	0	20.00	18.98	1.930	2.441	
							50	0	20.00	18.99	1.920	2.423	

LTE Band 41 Power Class 2

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
Ant.(B)	Body	QPSK	10	Bottom	40185	2549.5	50	0	21.60	20.84	0.480	0.572			
	Extremity	QPSK	0	Bottom	40185	2636.5	50	0	21.60	20.84			1.870	2.228	

Note(s):

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.

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)	Fram Avg. Power (dBm)	Reported SAR (W/kg)	Duty Cycle	Tune-up Power (dBm)	Fram Avg. Power (dBm)	Reported SAR (W/kg)		
Ant.(F)	Body	43.3	21.6	62.6	0.572	63.3	20.0	63.3	0.890	0.880	-35.0
	Extremity	43.3	21.6	62.6	2.228	63.3	20.0	63.3	2.528	2.500	-10.9

Note(s):

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 or 3.5 W/kg (1-g or 10-g respectively)

LTE Band 41 (20MHz Bandwidth) (continued)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Body	QPSK	10	Rear	40620	2593.0	1	0	22.00	21.10	0.294	0.362	
							50	0	22.00	21.00	0.297	0.374	
				Front	40620	2593.0	1	0	22.00	21.10	0.136	0.167	
							50	0	22.00	21.00	0.134	0.169	
				Top	40620	2593.0	1	0	22.00	21.10	0.407	0.501	
							50	0	22.00	21.00	0.410	0.516	30
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	QPSK	0	Rear	40620	2593.0	1	0	22.00	21.10	0.374	0.460	
							50	0	22.00	21.00	0.383	0.482	
				Front	40620	2593.0	1	0	22.00	21.10	0.627	0.771	
							50	0	22.00	21.00	0.643	0.809	
				Top	39750	2506.0	1	0	22.00	20.47	1.320	1.877	
							50	0	22.00	20.47	1.400	1.991	
					40185	2549.5	1	0	22.00	20.42	1.630	2.345	
							50	0	22.00	20.46	1.680	2.395	
					40620	2593.0	1	0	22.00	21.10	1.960	2.411	31
							50	0	22.00	21.00	1.790	2.253	
							100	0	22.00	20.94	1.700	2.170	
					41055	2636.5	1	0	22.00	20.48	1.560	2.214	
							50	0	22.00	20.47	1.530	2.176	
					41490	2680.0	1	0	22.00	20.63	1.290	1.768	
							50	0	22.00	20.65	1.280	1.747	

LTE Band 41 Power Class 2

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
Ant.(F)	Body	QPSK	10	Top	40620	2593.0	50	0	23.60	22.67	0.387	0.479			
	Extremity	QPSK	0	Top	40620	2593.0	1	0	23.60	22.67			1.390	1.722	

Note(s):

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.

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)	Fram Avg. Power (dBm)	Reported SAR (W/kg)	Duty Cycle	Tune-up Power (dBm)	Fram Avg. Power (dBm)	Reported SAR (W/kg)		
Ant.(F)	Body	43.3	23.6	99.2	0.479	63.3	22.0	100.3	0.516	0.510	-6.1
	Extremity	43.3	23.6	99.2	1.992	63.3	22.0	100.3	2.395	2.368	-15.9

Note(s):

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 or 3.5 W/kg (1-g or 10-g respectively)

UL CA (Intraband-contiguous)_41C test results

Antenna	RF Exposure Conditions	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.(B)	Body	QPSK	10	Bottom	40185	2636.5	50	0	39987	2529.7	50	50	20.00	18.82	0.594	0.779			32
	Extremity	QPSK	0	Bottom	40185	2636.5	50	0	39987	2529.7	50	50	20.00	18.82			2.000	2.624	

UL CA (Intraband-contiguous)_41C test results

Antenna	RF Exposure Conditions	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.(F)	Body	QPSK	10	Top	40620	2593.0	50	0	40422	2573.2	50	50	22.00	20.87	0.617	0.800			33
	Extremity	QPSK	0	Top	40185	2549.5	50	0	39987	2529.7	50	50	22.00	20.37			1.470	2.140	

10.2.14. LTE Band 48 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Body	QPSK	10	Rear	55340	3560.0	1	99	21.00	20.29	0.236	0.278	
							50	50	21.00	20.44	0.241	0.274	
				Front	55340	3560.0	1	99	21.00	20.29	0.138	0.163	
							50	50	21.00	20.44	0.141	0.160	
				Top	55340	3560.0	1	99	21.00	20.29	0.275	0.324	
							50	50	21.00	20.44	0.286	0.325	34
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	QPSK	0	Rear	55340	3560.0	1	99	21.00	20.29	0.521	0.614	
							50	50	21.00	20.44	0.532	0.605	
				Front	55340	3560.0	1	99	21.00	20.29	0.957	1.127	
							50	50	21.00	20.44	0.960	1.092	
				Top	55340	3560.0	1	99	21.00	20.29	1.940	2.285	
							50	50	21.00	20.44	1.900	2.161	
					55773	3603.3	1	99	21.00	20.20	2.370	2.849	
							50	50	21.00	20.31	2.180	2.555	
					56207	3646.7	1	99	21.00	20.25	2.400	2.852	35
							50	50	21.00	20.33	2.230	2.602	
							100	0	21.00	20.40	2.400	2.756	
					56640	3690.0	1	99	21.00	20.25	2.000	2.377	
							50	50	21.00	20.38	1.940	2.238	

UL CA (Intraband-contiguous)_48C test results

Antenna	RF Exposure Conditions	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.(F)	Body	QPSK	10	Top	55340	3560.0	50	50	55538	3579.8	50	0	21.00	20.31	0.360	0.422			36
	Extremity	QPSK	0	Top	56207	3646.7	1	99	56405	3666.5	1	0	21.00	20.20			2.260	2.717	

10.2.15. LTE Band 66 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Body	QPSK	10	Rear	132072	1720.0	1	99	20.00	19.08	0.375	0.463	
							50	50	20.00	19.08	0.381	0.471	
				Front	132072	1720.0	1	99	20.00	19.08	0.211	0.261	
							50	50	20.00	19.08	0.214	0.264	
				Left	132072	1720.0	1	99	20.00	19.08	0.108	0.133	
							50	50	20.00	19.08	0.111	0.137	
				Bottom	132072	1720.0	1	99	20.00	19.08	0.451	0.557	
							50	50	20.00	19.08	0.454	0.561	37
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	QPSK	0	Rear	132072	1720.0	1	99	20.00	19.08	0.967	1.195	
							50	50	20.00	19.08	0.992	1.226	
				Front	132072	1720.0	1	99	20.00	19.08	0.858	1.060	
							50	50	20.00	19.08	0.879	1.086	
				Left	132072	1720.0	1	99	20.00	19.08	0.240	0.297	
							50	50	20.00	19.08	0.249	0.308	
				Bottom	132072	1720.0	1	99	20.00	19.08	1.710	2.113	38
							50	50	20.00	19.08	1.370	1.693	
					132322	1745.0	1	99	20.00	18.96	1.420	1.804	
					132572	1770.0	1	99	20.00	18.84	1.600	2.090	

UL CA (Intraband-contiguous)_66B test results

Antenna	RF Exposure Conditions	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.(B)	Body	QPSK	10	Bottom	132047	1717.5	36	39	132140	1726.8	12	0	20.00	19.18	0.429	0.518			
	Extremity	QPSK	0	Bottom	132047	1717.5	1	74	132140	1726.8	1	0	20.00	19.03			1.940	2.426	39

UL CA (Intraband-contiguous)_66C test results

Antenna	RF Exposure Conditions	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.(B)	Body	QPSK	10	Bottom	132072	1720.0	50	50	132270	1739.8	50	0	20.00	18.91	0.465	0.598			40
	Extremity	QPSK	0	Bottom	132072	1720.0	1	99	132270	1739.8	1	0	20.00	18.91			1.650	2.121	

LTE Band 66 (20MHz Bandwidth)_(Continued)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Body	QPSK	10	Rear	132572	1770.0	1	99	21.00	20.01	0.384	0.482	
							50	0	21.00	20.10	0.388	0.477	
				Front	132572	1770.0	1	99	21.00	20.01	0.253	0.318	
							50	0	21.00	20.10	0.262	0.322	
				Top	132572	1770.0	1	99	21.00	20.01	0.571	0.717	
							50	0	21.00	20.10	0.589	0.725	41
Ant.(F)	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	QPSK	0	Rear	132572	1770.0	1	99	21.00	20.01	1.000	1.256	
							50	0	21.00	20.10	1.030	1.267	
				Front	132572	1770.0	1	99	21.00	20.01	0.780	0.980	
							50	0	21.00	20.10	0.811	0.998	
				Top	132572	1770.0	1	99	21.00	20.01	1.540	1.934	
							50	0	21.00	20.10	1.590	1.956	42

UL CA (Intraband-contiguous)_66B test results

Antenna	RF Exposure Conditions	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.(F)	Body	QPSK	10	Top	132597	1772.5	36	0	132504	1763.2	12	13	21.00	20.12	0.502	0.615			
	Extremity	QPSK	0	Top	132597	1772.5	36	0	132504	1763.2	12	13	21.00	20.12			1.550	1.898	43

UL CA (Intraband-contiguous)_66C test results

Antenna	RF Exposure Conditions	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.(F)	Body	QPSK	10	Top	132572	1770.0	50	0	132374	1750.2	50	50	21.00	19.85	0.622	0.811			44
	Extremity	QPSK	0	Top	132572	1770.0	50	0	132374	1750.2	50	50	21.00	19.85			1.630	2.124	

10.2.16. LTE Band 71 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Body	QPSK	10	Rear	133297	680.5	1	49	25.50	24.08	0.335	0.465	
							50	0	24.50	23.11	0.268	0.369	
				Front	133297	680.5	1	49	25.50	24.08	0.270	0.374	
							50	0	24.50	23.11	0.213	0.293	
				Left	133297	680.5	1	49	25.50	24.08	0.362	0.502	45
							50	0	24.50	23.11	0.272	0.375	
				Bottom	133297	680.5	1	49	25.50	24.08	0.249	0.345	
							50	0	24.50	23.11	0.196	0.270	
	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	QPSK	0	Rear	133297	680.5	1	49	25.50	24.08	0.726	1.007	
							50	0	24.50	23.11	0.566	0.780	
				Front	133297	680.5	1	49	25.50	24.08	0.962	1.334	
							50	0	24.50	23.11	0.758	1.044	
				Left	133297	680.5	1	49	25.50	24.08	1.140	1.581	46
							50	0	24.50	23.11	0.962	1.325	
				Bottom	133297	680.5	1	49	25.50	24.08	0.816	1.132	
							50	0	24.50	23.11	0.667	0.919	

10.2.17. NR Band n7 (40MHz Bandwidth)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Body	DFT-s-OFDM	QPSK	10	Rear	507000	2535.0	1	214	19.00	18.15	0.626	0.761	
								108	54	19.00	18.11	0.602	0.739	
					Front	507000	2535.0	1	214	19.00	18.15	0.412	0.501	
								108	54	19.00	18.11	0.384	0.471	
					Left	507000	2535.0	1	214	19.00	18.15	0.106	0.129	
								108	54	19.00	18.11	0.110	0.135	
					Bottom	507000	2535.0	1	214	19.00	18.15	0.827	1.006	
								108	54	19.00	18.11	0.868	1.065	
								216	0	19.00	18.11	0.874	1.073	47
		CP-OFDM	QPSK	10	Bottom	507000	2535.0	1	1	19.00	18.31	0.632	0.741	
	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	DFT-s-OFDM	QPSK	0	Rear	507000	2535.0	1	214	19.00	18.15	2.230	2.712	
								108	54	19.00	18.11	2.280	2.799	
								216	0	19.00	18.11	2.300	2.823	48
					Front	507000	2535.0	1	214	19.00	18.15	0.561	0.682	
								108	54	19.00	18.11	0.525	0.644	
					Left	507000	2535.0	1	214	19.00	18.15	0.209	0.254	
								108	54	19.00	18.11	0.257	0.315	
					Bottom	507000	2535.0	1	214	19.00	18.15	2.170	2.639	
								108	54	19.00	18.11	2.160	2.651	
								216	0	19.00	18.11	2.210	2.713	
		CP-OFDM	QPSK	0	Rear	507000	2535.0	1	1	19.00	18.31	1.460	1.711	

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Body	DFT-s-OFDM	QPSK	10	Rear	507000	2535.0	1	214	20.00	19.62	0.381	0.416	
								108	54	20.00	19.48	0.374	0.422	
					Front	507000	2535.0	1	214	20.00	19.62	0.207	0.226	
								108	54	20.00	19.48	0.199	0.224	
					Top	507000	2535.0	1	214	20.00	19.62	0.447	0.488	
								108	54	20.00	19.48	0.459	0.517	
		CP-OFDM	QPSK	10	Top	507000	2535.0	1	1	20.00	19.44	0.418	0.476	
	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	DFT-s-OFDM	QPSK	0	Rear	507000	2535.0	1	214	20.00	19.62	0.453	0.494	
								108	54	20.00	19.48	0.441	0.497	
					Front	507000	2535.0	1	214	20.00	19.62	0.608	0.664	
								108	54	20.00	19.48	0.610	0.688	
					Top	507000	2535.0	1	214	20.00	19.62	1.900	2.074	
								108	54	20.00	19.48	1.980	2.232	
								216	0	20.00	19.46	2.000	2.265	49
		CP-OFDM	QPSK	0	Top	507000	2535.0	1	1	20.00	19.44	1.930	2.196	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

10.2.18. NR Band n12 (15MHz Bandwidth)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Body	DFT-s-OFDM	QPSK	10	Rear	141500	707.5	1	1	25.50	24.57	0.416	0.515	
								36	22	25.50	24.51	0.434	0.545	50
					Front	141500	707.5	1	1	25.50	24.57	0.254	0.315	
								36	22	25.50	24.51	0.274	0.344	
					Left	141500	707.5	1	1	25.50	24.57	0.280	0.347	
								36	22	25.50	24.51	0.274	0.344	
					Bottom	141500	707.5	1	1	25.50	24.57	0.206	0.255	
								36	22	25.50	24.51	0.188	0.236	
		CP-OFDM	QPSK	10	Rear	141500	707.5	1	1	24.00	22.85	0.303	0.395	
Ant.(A+B)	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	DFT-s-OFDM	QPSK	0	Rear	141500	707.5	1	1	25.50	24.57	0.983	1.218	
								36	22	25.50	24.51	1.040	1.306	
					Front	141500	707.5	1	1	25.50	24.57	0.762	0.944	
								36	22	25.50	24.51	0.927	1.164	
					Left	141500	707.5	1	1	25.50	24.57	1.090	1.350	
								36	22	25.50	24.51	1.100	1.382	51
					Bottom	141500	707.5	1	1	25.50	24.57	0.861	1.067	
								36	22	25.50	24.51	0.918	1.153	
		CP-OFDM	QPSK	0	Left	141500	707.5	1	1	24.00	22.85	0.598	0.779	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

10.2.19. NR Band n25 (40MHz Bandwidth)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Body	DFT-s-OFDM	QPSK	10	Rear	376500	1882.5	1	1	20.00	19.49	0.236	0.265	
								108	54	20.00	19.40	0.250	0.287	
					Front	376500	1882.5	1	1	20.00	19.49	0.186	0.209	
								108	54	20.00	19.40	0.187	0.215	
					Left	376500	1882.5	1	1	20.00	19.49	0.107	0.120	
								108	54	20.00	19.40	0.110	0.126	
					Bottom	376500	1882.5	1	1	20.00	19.49	0.465	0.523	
								108	54	20.00	19.40	0.497	0.571	
		CP-OFDM	QPSK	10	Bottom	376500	1882.5	1	1	20.00	19.38	0.435	0.502	
	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	DFT-s-OFDM	QPSK	0	Rear	376500	1882.5	1	1	20.00	19.49	0.690	0.776	
								108	54	20.00	19.40	0.746	0.857	
					Front	376500	1882.5	1	1	20.00	19.49	0.842	0.947	
								108	54	20.00	19.40	0.888	1.020	
					Left	376500	1882.5	1	1	20.00	19.49	0.283	0.318	
								108	54	20.00	19.40	0.318	0.365	
					Bottom	376500	1882.5	1	1	20.00	19.49	1.610	1.811	
								108	54	20.00	19.40	1.700	1.952	52
		CP-OFDM	QPSK	0	Bottom	376500	1882.5	1	1	20.00	19.38	1.280	1.476	

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Body	DFT-s-OFDM	QPSK	10	Rear	376500	1882.5	1	108	21.00	20.29	0.452	0.532	
								108	0	21.00	20.29	0.459	0.541	
					Front	376500	1882.5	1	108	21.00	20.29	0.297	0.350	
								108	0	21.00	20.29	0.299	0.352	
					Top	376500	1882.5	1	108	21.00	20.29	0.567	0.668	
								108	0	21.00	20.29	0.568	0.669	53
		CP-OFDM	QPSK	10	Top	376500	1882.5	1	1	21.00	20.37	0.476	0.550	
	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	DFT-s-OFDM	QPSK	0	Rear	376500	1882.5	1	108	21.00	20.29	1.230	1.448	
								108	0	21.00	20.29	1.220	1.437	
					Front	376500	1882.5	1	108	21.00	20.29	1.170	1.378	
								108	0	21.00	20.29	1.160	1.366	
					Top	376500	1882.5	1	108	21.00	20.29	1.810	2.131	
								108	0	21.00	20.29	1.850	2.179	54
								216	0	21.00	20.37	1.720	1.989	
		CP-OFDM	QPSK	0	Top	376500	1882.5	1	1	21.00	20.37	1.760	2.035	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

10.2.20. NR Band n26 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Body	DFT-s-OFDM	QPSK	10	Rear	166300	831.5	1	53	25.50	24.46	0.523	0.665	
								50	28	25.50	24.41	0.523	0.672	55
					Front	166300	831.5	1	53	25.50	24.46	0.358	0.455	
								50	28	25.50	24.41	0.356	0.458	
					Left	166300	831.5	1	53	25.50	24.46	0.161	0.205	
								50	28	25.50	24.41	0.159	0.204	
					Bottom	166300	831.5	1	53	25.50	24.46	0.224	0.285	
								50	28	25.50	24.41	0.234	0.301	
		CP-OFDM	QPSK	10	Rear	166300	831.5	1	1	24.00	22.61	0.352	0.485	
Ant.(A+B)	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	DFT-s-OFDM	QPSK	0	Rear	166300	831.5	1	53	25.50	24.46	1.210	1.537	
								50	28	25.50	24.41	1.220	1.568	
					Front	166300	831.5	1	53	25.50	24.46	1.090	1.385	
								50	28	25.50	24.41	1.130	1.452	
					Left	166300	831.5	1	53	25.50	24.46	1.410	1.792	
								50	28	25.50	24.41	1.430	1.838	56
					Bottom	166300	831.5	1	53	25.50	24.46	1.310	1.664	
								50	28	25.50	24.41	1.350	1.735	
		CP-OFDM	QPSK	0	Left	166300	831.5	1	1	24.00	22.61	0.989	1.362	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

10.2.21. NR Band n30 (10MHz Bandwidth)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Body	DFT-s-OFDM	QPSK	10	Rear	462000	2310.0	1	26	18.50	17.78	0.467	0.551	
								25	14	18.50	17.81	0.469	0.550	
					Front	462000	2310.0	1	26	18.50	17.78	0.312	0.368	
								25	14	18.50	17.81	0.332	0.389	
					Left	462000	2310.0	1	26	18.50	17.78	0.072	0.085	
								25	14	18.50	17.81	0.070	0.082	
					Bottom	462000	2310.0	1	26	18.50	17.78	0.636	0.751	
								25	14	18.50	17.81	0.645	0.756	57
		CP-OFDM	QPSK	10	Bottom	462000	2310.0	50	0	18.50	17.74	0.590	0.703	
	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	DFT-s-OFDM	QPSK	0	Rear	462000	2310.0	1	26	18.50	17.78	1.080	1.275	
								25	14	18.50	17.81	1.080	1.266	
					Front	462000	2310.0	1	26	18.50	17.78	0.545	0.643	
								25	14	18.50	17.81	0.490	0.574	
					Left	462000	2310.0	1	26	18.50	17.78	0.144	0.170	
								25	14	18.50	17.81	0.142	0.166	
					Bottom	462000	2310.0	1	26	18.50	17.78	2.380	2.809	
								25	14	18.50	17.81	2.450	2.872	
								50	0	18.50	17.73	2.500	2.985	58
		CP-OFDM	QPSK	0	Bottom	462000	2310.0	50	0	18.50	17.74	2.330	2.776	

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Body	DFT-s-OFDM	QPSK	10	Rear	462000	2310.0	1	26	21.50	20.74	0.294	0.350	
								25	14	21.50	20.70	0.294	0.353	
					Front	462000	2310.0	1	26	21.50	20.74	0.206	0.245	
								25	14	21.50	20.70	0.209	0.251	
					Top	462000	2310.0	1	26	21.50	20.74	0.515	0.613	
								25	14	21.50	20.70	0.530	0.637	
		CP-OFDM	QPSK	10	Top	462000	2310.0	1	1	21.50	20.68	0.467	0.564	
	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	DFT-s-OFDM	QPSK	0	Rear	462000	2310.0	1	26	21.50	20.74	0.964	1.148	
								25	14	21.50	20.70	0.980	1.178	
					Front	462000	2310.0	1	26	21.50	20.74	1.050	1.251	
								25	14	21.50	20.70	1.070	1.286	
					Top	462000	2310.0	1	26	21.50	20.74	2.190	2.609	
								25	14	21.50	20.70	2.270	2.729	59
								50	0	21.50	20.68	1.980	2.391	
		CP-OFDM	QPSK	0	Top	462000	2310.0	1	1	21.50	20.68	2.230	2.693	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

10.2.22. NR Band n41-SA mode (100MHz Bandwidth)

(Voice/data/SRS0)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Body	DFT-s-OFDM	QPSK	10	Rear	518598	2593.0	1	1	18.00	17.13	0.198	0.242	
								135	0	18.00	16.86	0.271	0.352	
					Front	518598	2593.0	1	1	18.00	17.13	0.110	0.134	
								135	0	18.00	16.86	0.140	0.182	
					Left	518598	2593.0	1	1	18.00	17.13	0.040	0.049	
								135	0	18.00	16.86	0.027	0.035	
					Bottom	518598	2593.0	1	1	18.00	17.13	0.326	0.398	60
								135	0	18.00	16.86	0.296	0.385	
		CP-OFDM	QPSK	10	Bottom	518598	2593.0	1	1	18.00	17.04	0.238	0.297	
	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	DFT-s-OFDM	QPSK	0	Rear	518598	2593.0	1	1	18.00	17.13	0.741	0.905	
								135	0	18.00	16.86	0.643	0.836	
					Front	518598	2593.0	1	1	18.00	17.13	0.478	0.584	
								135	0	18.00	16.86	0.465	0.605	
					Left	518598	2593.0	1	1	18.00	17.13	0.079	0.097	
								135	0	18.00	16.86	0.073	0.095	
					Bottom	518598	2593.0	1	1	18.00	17.13	1.250	1.527	
								135	0	18.00	16.86	1.190	1.547	61
		CP-OFDM	QPSK	0	Bottom	518598	2593.0	1	1	18.00	17.04	1.130	1.410	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

(SRS1/SRS2/SRS3)

RF Exposure Conditions	Modulation	Dist. (mm)	Antenna	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Body	SRS CW	10	Ant.(F) -SRS1-	Rear	518598	2593.0	20.00	18.67	0.207	0.281	
				Front	518598	2593.0	20.00	18.67	0.141	0.192	
				Top	518598	2593.0	20.00	18.67	0.410	0.557	62
			Ant.(C) -SRS2-	Rear	518598	2593.0	13.00	12.21	0.013	0.016	
				Front	518598	2593.0	13.00	12.21	0.008	0.010	
				Bottom	518598	2593.0	13.00	12.21	0.000	0.000	
			Ant.(H) -SRS3-	Rear	518598	2593.0	13.00	11.12	0.012	0.019	
				Front	518598	2593.0	13.00	11.12	0.011	0.017	
				Top	518598	2593.0	13.00	11.12	0.000	0.000	
				Left	518598	2593.0	13.00	11.12	0.023	0.035	
RF Exposure Conditions	Modulation	Dist. (mm)	Antenna	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		10-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Extremity 10-g	SRS CW	0	Ant.(F) -SRS1-	Rear	518598	2593.0	20.00	18.67	0.540	0.733	
				Front	518598	2593.0	20.00	18.67	0.745	1.012	
				Top	518598	2593.0	20.00	18.67	1.610	2.187	63
			Ant.(C) -SRS2-	Rear	518598	2593.0	13.00	12.21	0.104	0.125	
				Front	518598	2593.0	13.00	12.21	0.046	0.055	
				Bottom	518598	2593.0	13.00	12.21	0.000	0.000	
			Ant.(H) -SRS3-	Rear	518598	2593.0	13.00	11.12	0.062	0.096	
				Front	518598	2593.0	13.00	11.12	0.125	0.193	
				Top	518598	2593.0	13.00	11.12	0.020	0.031	
				Left	518598	2593.0	13.00	11.12	0.111	0.171	

10.2.23. NR Band n41-NSA mode (100MHz Bandwidth)

(Voice/data/SRS0)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Body	DFT-s-OFDM	QPSK	10	Rear	518598	2593.0	1	1	20.00	19.00	0.211	0.266	
								135	0	20.00	18.88	0.206	0.267	
					Front	518598	2593.0	1	1	20.00	19.00	0.191	0.240	
								135	0	20.00	18.88	0.142	0.184	
					Top	518598	2593.0	1	1	20.00	19.00	0.499	0.628	64
								135	0	20.00	18.88	0.469	0.607	
		CP-OFDM	QPSK	10	Top	518598	2593.0	1	1	20.00	19.00	0.309	0.389	
	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	DFT-s-OFDM	QPSK	0	Rear	518598	2593.0	1	1	20.00	19.00	0.501	0.631	
								135	0	20.00	18.88	0.546	0.707	
					Front	518598	2593.0	1	1	20.00	19.00	0.680	0.856	
								135	0	20.00	18.88	0.599	0.775	
					Top	518598	2593.0	1	1	20.00	19.00	1.770	2.228	
								135	0	20.00	18.88	1.780	2.304	65
								270	0	20.00	19.23	1.450	1.731	
		CP-OFDM	QPSK	0	Top	518598	2593.0	1	1	20.00	19.00	1.530	1.926	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

(SRS1/SRS2/SRS3)

RF Exposure Conditions	Modulation	Dist. (mm)	Antenna	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Body	SRS CW	10	Ant.(B) -SRS1-	Rear	518598	2593.0	18.00	16.70	0.193	0.260	
				Front	518598	2593.0	18.00	16.70	0.154	0.208	
				Left	518598	2593.0	18.00	16.70	0.040	0.054	
				Bottom	518598	2593.0	18.00	16.70	0.471	0.635	66
			Ant.(C) -SRS3-	Rear	518598	2593.0	13.00	12.21	0.013	0.016	
				Front	518598	2593.0	13.00	12.21	0.008	0.010	
				Bottom	518598	2593.0	13.00	12.21	0.000	0.000	
			Ant.(H) -SRS2-	Rear	518598	2593.0	13.00	11.12	0.012	0.019	
				Front	518598	2593.0	13.00	11.12	0.011	0.017	
				Top	518598	2593.0	13.00	11.12	0.000	0.000	
				Left	518598	2593.0	13.00	11.12	0.023	0.035	
RF Exposure Conditions	Modulation	Dist. (mm)	Antenna	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		10-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Extremity 10-g	SRS CW	0	Ant.(B) -SRS1-	Rear	518598	2593.0	18.00	16.70	0.708	0.955	
				Front	518598	2593.0	18.00	16.70	0.551	0.743	
				Left	518598	2593.0	18.00	16.70	0.100	0.135	
				Bottom	518598	2593.0	18.00	16.70	1.340	1.808	67
			Ant.(C) -SRS3-	Rear	518598	2593.0	13.00	12.21	0.104	0.125	
				Front	518598	2593.0	13.00	12.21	0.046	0.055	
				Bottom	518598	2593.0	13.00	12.21	0.000	0.000	
			Ant.(H) -SRS2-	Rear	518598	2593.0	13.00	11.12	0.062	0.096	
				Front	518598	2593.0	13.00	11.12	0.125	0.193	
				Top	518598	2593.0	13.00	11.12	0.020	0.031	
				Left	518598	2593.0	13.00	11.12	0.111	0.171	

Note(s):

Ant.(C) has support both SRS2(SA) and SRS3(NSA) with same target power. so SAR data are same.
Ant.(H) has support both SRS3(SA) and SRS2(NSA) with same target power. so SAR data are same.

10.2.24. NR Band n48 (40MHz Bandwidth)

(Voice/data/SRS0)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Body	DFT-s-OFDM	QPSK	10	Rear	645332	3680.0	1	104	19.00	18.32	0.309	0.361	
								50	56	19.00	18.23	0.225	0.269	
					Front	645332	3680.0	1	104	19.00	18.32	0.124	0.145	
								50	56	19.00	18.23	0.122	0.146	
					Top	645332	3680.0	1	104	19.00	18.32	0.439	0.513	
								50	56	19.00	18.23	0.449	0.536	68
		CP-OFDM	QPSK	10	Top	645332	3680.0	1	1	19.00	18.23	0.428	0.511	
	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	DFT-s-OFDM	QPSK	0	Rear	645332	3680.0	1	104	19.00	18.32	0.627	0.733	
								50	56	19.00	18.23	0.687	0.820	
					Front	645332	3680.0	1	104	19.00	18.32	0.903	1.056	
								50	56	19.00	18.23	0.915	1.092	
					Top	638000	3570.0	1	104	19.00	18.07	1.640	2.032	69
								50	56	19.00	18.15	1.530	1.861	
						641666	3625.0	1	104	19.00	18.26	1.360	1.613	
								50	56	19.00	18.22	1.400	1.675	
						645332	3680.0	1	104	19.00	18.32	1.440	1.684	
								50	56	19.00	18.23	1.410	1.684	
		CP-OFDM	QPSK	0	Top	638000	3570.0	1	1	19.00	18.14	1.550	1.889	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

(SRS1/SRS2/SRS3)

RF Exposure Conditions	Modulation	Dist. (mm)	Antenna	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Body	SRS CW	10	Ant.(D) -SRS1-	Rear	638000	3570.0	16.00	15.81	0.106	0.111	
				Front	638000	3570.0	16.00	15.81	0.094	0.098	
				Bottom	638000	3570.0	16.00	15.81	0.260	0.272	
			Ant.(G) -SRS2-	Rear	638000	3570.0	16.00	15.67	0.149	0.161	
				Front	638000	3570.0	16.00	15.67	0.087	0.094	
				Top	638000	3570.0	16.00	15.67	0.296	0.319	70
				Left	638000	3570.0	16.00	15.67	0.050	0.054	
			Ant.(A) -SRS3-	Rear	638000	3570.0	16.00	15.60	0.064	0.070	
				Front	638000	3570.0	16.00	15.60	0.075	0.082	
				Left	638000	3570.0	16.00	15.60	0.079	0.087	
				Bottom	638000	3570.0	16.00	15.60	0.110	0.121	
RF Exposure Conditions	Modulation	Dist. (mm)	Antenna	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		10-g SAR (W/kg)		Plot No.
							Tune-up limit	Meas.	Meas.	Scaled	
Extremity 10-g	SRS CW	0	Ant.(D) -SRS1-	Rear	638000	3570.0	16.00	15.81	0.307	0.321	
				Front	638000	3570.0	16.00	15.81	0.296	0.309	
				Bottom	638000	3570.0	16.00	15.81	0.254	0.265	
			Ant.(G) -SRS2-	Rear	638000	3570.0	16.00	15.67	0.398	0.429	
				Front	638000	3570.0	16.00	15.67	0.336	0.363	
				Top	638000	3570.0	16.00	15.67	0.920	0.993	71
				Left	638000	3570.0	16.00	15.67	0.104	0.112	
			Ant.(A) -SRS3-	Rear	638000	3570.0	16.00	15.60	0.235	0.258	
				Front	638000	3570.0	16.00	15.60	0.434	0.476	
				Left	638000	3570.0	16.00	15.60	0.206	0.226	
				Bottom	638000	3570.0	16.00	15.60	0.371	0.407	

10.2.25. NR Band n66 (40MHz Bandwidth)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(B)	Body	DFT-s-OFDM	QPSK	10	Rear	349000	1745.0	1	214	20.00	19.15	0.453	0.551	
								108	54	20.00	19.15	0.428	0.521	
					Front	349000	1745.0	1	214	20.00	19.15	0.286	0.348	
								108	54	20.00	19.15	0.272	0.331	
					Left	349000	1745.0	1	214	20.00	19.15	0.094	0.114	
								108	54	20.00	19.15	0.084	0.103	
					Bottom	349000	1745.0	1	214	20.00	19.15	0.468	0.569	
								108	54	20.00	19.15	0.428	0.521	
		CP-OFDM	QPSK	10	Bottom	349000	1745.0	1	1	20.00	19.12	0.352	0.431	
	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	DFT-s-OFDM	QPSK	0	Rear	349000	1745.0	1	214	20.00	19.15	1.010	1.228	
								108	54	20.00	19.15	0.960	1.168	
					Front	349000	1745.0	1	214	20.00	19.15	1.120	1.362	
								108	54	20.00	19.15	1.080	1.313	
					Left	349000	1745.0	1	214	20.00	19.15	0.256	0.311	
								108	54	20.00	19.15	0.226	0.275	
					Bottom	349000	1745.0	1	214	20.00	19.15	1.540	1.873	
								108	54	20.00	19.15	1.610	1.958	72
		CP-OFDM	QPSK	0	Bottom	349000	1745.0	1	1	20.00	19.12	1.240	1.519	

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(F)	Body	DFT-s-OFDM	QPSK	10	Rear	349000	1745.0	1	214	21.00	19.94	0.460	0.587	
								108	54	21.00	20.00	0.513	0.646	
					Front	349000	1745.0	1	214	21.00	19.94	0.337	0.430	
								108	54	21.00	20.00	0.314	0.395	
					Top	349000	1745.0	1	214	21.00	19.94	0.537	0.685	73
								108	54	21.00	20.00	0.493	0.621	
		CP-OFDM	QPSK	10	Top	349000	1745.0	1	1	21.00	19.76	0.435	0.579	
	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	DFT-s-OFDM	QPSK	0	Rear	349000	1745.0	1	214	21.00	19.94	1.110	1.417	
								108	54	21.00	20.00	1.060	1.334	
					Front	349000	1745.0	1	214	21.00	19.94	1.030	1.315	
								108	54	21.00	20.00	1.090	1.372	
					Top	349000	1745.0	1	214	21.00	19.94	1.650	2.106	
								108	54	21.00	20.00	1.730	2.178	74
								216	0	21.00	19.98	1.570	1.986	
		CP-OFDM	QPSK	0	Top	349000	1745.0	1	1	21.00	19.76	1.530	2.036	

Note(s):

CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.

10.2.26. NR Band n71 (20MHz Bandwidth)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
Ant.(A+B)	Body	DFT-s-OFDM	QPSK	10	Rear	136100	680.5	1	1	25.50	24.90	0.331	0.380	
								50	28	25.50	24.65	0.323	0.393	75
					Front	136100	680.5	1	1	25.50	24.90	0.253	0.290	
								50	28	25.50	24.65	0.251	0.305	
					Left	136100	680.5	1	1	25.50	24.90	0.258	0.296	
								50	28	25.50	24.65	0.271	0.330	
					Bottom	136100	680.5	1	1	25.50	24.90	0.209	0.240	
								50	28	25.50	24.65	0.202	0.246	
		CP-OFDM	QPSK	10	Rear	136100	680.5	1	1	24.00	23.25	0.248	0.295	
	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
	Extremity 10-g	DFT-s-OFDM	QPSK	0	Rear	136100	680.5	1	1	25.50	24.90	0.754	0.866	
								50	28	25.50	24.65	0.750	0.912	
					Front	136100	680.5	1	1	25.50	24.90	0.869	0.998	
								50	28	25.50	24.65	1.000	1.216	
					Left	136100	680.5	1	1	25.50	24.90	1.390	1.596	76
								50	28	25.50	24.65	1.260	1.532	
					Bottom	136100	680.5	1	1	25.50	24.90	0.941	1.080	
								50	28	25.50	24.65	0.915	1.113	
		CP-OFDM	QPSK	0	Left	136100	680.5	1	1	24.00	23.25	0.986	1.172	

10.2.27. NR Band n77 (100MHz Bandwidth)

(Voice/data/SRS0)

Antenna	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		1-g SAR (W/kg)		Note.	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
Ant.(F)	Body	DFT-s-OFDM	QPSK	10	Rear	662000	3930.0	1	271	18.50	17.78	0.236	0.279		
								135	69	18.50	17.78	0.147	0.174		
					Front	662000	3930.0	1	271	18.50	17.78	0.151	0.178		
								135	69	18.50	17.78	0.172	0.203		
					Top	633334	3500.0	1	271	18.50	17.89	0.284	0.327	1	
						662000	3930.0	1	271	18.50	17.78	0.326	0.385		77
								135	69	18.50	17.78	0.254	0.300		
		CP-OFDM	QPSK	10	Top	662000	3930.0	1	1	18.50	17.82	0.277	0.324	2	
	RF Exposure Conditions	Modulation	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offest	Power (dBm)		10-g SAR (W/kg)		Note.	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
	Extremity 10-g	DFT-s-OFDM	QPSK	0	Rear	662000	3930.0	1	271	18.50	17.78	0.779	0.919		
								135	69	18.50	17.78	0.476	0.562		
					Front	650000	3750.0	1	271	18.50	17.34	0.784	1.024		
								135	69	18.50	17.30	0.748	0.986		
						662000	3930.0	1	271	18.50	17.78	1.030	1.216		
								135	69	18.50	17.78	0.994	1.173		
					Top	633334	3500.0	1	271	18.50	17.89	1.520	1.749	1	
						650000	3750.0	1	271	18.50	17.34	1.820	2.377		
								135	69	18.50	17.30	1.870	2.465		78
						662000	3930.0	1	271	18.50	17.78	2.030	2.396		
								135	69	18.50	17.78	1.800	2.125		
								270	0	18.50	17.63	2.000	2.444		
		CP-OFDM	QPSK	0	Top	650000	3750.0	1	1	18.50	17.82	1.420	1.661	2	

Note(s):

1. NR Band-Dod n77 are tested at worst configuration of NR Band n77 band.
2. CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in standalone exposure conditions.
3. NR Band n77 tested using FTM mode.

NR Band n77 (100MHz Bandwidth) (Continued)

(SRS1/SRS2/SRS3)

RF Exposure Conditions	Modulation	Dist. (mm)	Antenna	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		1-g SAR (W/kg)		Note.	Plot No.
							Tune-up limit	Meas.	Meas.	Scaled		
Body	SRS CW	10	Ant.(D) -SRS1-	Rear	633334	3500.0	16.00	15.50	0.207	0.232		
				Front	633334	3500.0	16.00	15.50	0.137	0.154		
				Bottom	633334	3500.0	16.00	15.50	0.413	0.463		79
					650000	3750.0	16.00	15.25	0.374	0.444	2	
			Ant.(G) -SRS2-	Rear	633334	3500.0	16.00	15.72	0.189	0.202		
				Front	633334	3500.0	16.00	15.72	0.091	0.097		
				Top	633334	3500.0	16.00	15.72	0.250	0.267		
					650000	3750.0	16.00	15.28	0.123	0.145	2	
				Left	633334	3500.0	16.00	15.72	0.039	0.041		
			Ant.(A) -SRS3-	Rear	633334	3500.0	16.00	15.45	0.095	0.108		
				Front	633334	3500.0	16.00	15.45	0.116	0.132		
				Left	633334	3500.0	16.00	15.45	0.134	0.152		
				Bottom	633334	3500.0	16.00	15.45	0.159	0.180		
					650000	3750.0	16.00	15.78	0.091	0.096	2	
RF Exposure Conditions	Modulation	Dist. (mm)	Antenna	Test Position	Ch #.	Freq. (MHz)	Power (dBm)		10-g SAR (W/kg)		Note.	Plot No.
							Tune-up limit	Meas.	Meas.	Scaled		
Extremity 10-g	SRS CW	0	Ant.(D) -SRS1-	Rear	650000	3750.0	16.00	15.25	0.574	0.682		
				Front	650000	3750.0	16.00	15.25	0.550	0.654		
				Bottom	633334	3500.0	16.00	15.50	0.421	0.472	1	
					650000	3750.0	16.00	15.25	0.794	0.944		80
			Ant.(G) -SRS2-	Rear	633334	3500.0	16.00	15.72	0.479	0.511		
				Front	633334	3500.0	16.00	15.72	0.450	0.480		
				Top	633334	3500.0	16.00	15.72	0.773	0.824		
					650000	3750.0	16.00	15.28	0.388	0.458	1	
				Left	633334	3500.0	16.00	15.72	0.057	0.061		
			Ant.(A) -SRS3-	Rear	633334	3500.0	16.00	15.45	0.334	0.379		
				Front	633334	3500.0	16.00	15.45	0.522	0.592		
					650000	3750.0	16.00	15.78	0.537	0.565	2	
				Left	633334	3500.0	16.00	15.45	0.371	0.421		
				Bottom	633334	3500.0	16.00	15.45	0.426	0.484		

Note(s):

1. NR Band-Dod n77 are tested at worst configuration of NR Band n77 band.
2. NR Band n77 are tested at worst configuration of NR Band-Dod n77 band
3. NR Band n77 tested using FTM mode.

10.2.28. Wi-Fi (DTS Band)

DTS SISO Ant.G SAR results

Antenna	Frequency Band	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
WLAN SISO Ant.G	2.4GHz	802.11b 1 Mbps	Body	10	Rear	6	2437.0	0.357	98.8%	19.0	18.74	0.283	0.304	2	
					Front	6	2437.0	0.152	98.8%	19.0	18.74	0.124	0.133	4	
					Top	6	2437.0	0.499	98.8%	19.0	18.74	0.381	0.409		81
					Left	6	2437.0	0.351	98.8%	19.0	18.74	0.261	0.280	4	
			RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		10-g SAR (W/kg)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
			Extremity 10-g	0	Rear	6	2437.0	2.370	98.8%	19.0	18.74	0.691	0.742	2	
					Front	6	2437.0	2.040	98.8%	19.0	18.74	0.680	0.730	4	
					Top	6	2437.0	5.980	98.8%	19.0	18.74	1.450	1.557		82
					Left	6	2437.0	1.960	98.8%	19.0	18.74	0.494	0.531	4	

DTS MIMO Ant.H+G SAR results

Antenna	Frequency Band	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
WLAN MIMO	2.4GHz	802.11b 1 Mbps	Body	10	Rear	6	2437.0	0.422	98.9%	19.0	18.35	0.327	0.384	4	
					Front	6	2437.0	0.251	98.9%	19.0	18.35	0.198	0.233	4	
					Top	6	2437.0	0.484	98.9%	19.0	18.35	0.363	0.426	2	
					Left	6	2437.0	0.671	98.9%	19.0	18.35	0.520	0.611		83
Antenna	Frequency Band	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		10-g SAR (W/kg)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
WLAN MIMO	2.4GHz	802.11b 1 Mbps	Extremity 10-g	0	Rear	6	2437.0	2.320	98.9%	19.0	18.35	0.690	0.811	4	
					Front	6	2437.0	2.100	98.9%	19.0	18.35	0.644	0.757	4	
					Top	6	2437.0	4.990	98.9%	19.0	18.35	1.190	1.398	2	84
					Left	6	2437.0	7.360	98.9%	19.0	18.35	1.060	1.245		

Note(s):

1. When the Highest reported SAR is ≤ 0.4 or 1.0 W/kg (1-g or 10-g respectively). Therefore, further SAR measurements within this exposure condition are not required.
2. Highest reported SAR is > 0.4 or 1.0 W/kg (1-g or 10-g respectively). Due to the highest reported SAR for this test position, other test positions in this exposure condition were evaluated until a SAR ≤ 0.8 or 2.0 W/kg (1-g or 10-g respectively) was reported.
3. Testing for a second channel was required because the reported SAR for this test position was > 0.8 or 2.0 W/kg (1-g or 10-g respectively).
4. Additional testing required in order satisfying FCC simultaneous transmission limit criteria.

10.2.29. Wi-Fi (U-NII Bands)

U-NII 2A MIMO Ant.H+J SAR results

Antenna	Frequency Band	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
WLAN MIMO Ant.H	5.3GHz U-NII 2A	802.11ac VHT 80 29.3 Mbps	Body	10	Rear	58	5290.0	0.649	97.2%	17.0	16.72				
					Front	58	5290.0	0.185	97.2%	17.0	16.72	0.058	0.064	4	
					Top	58	5290.0	0.138	97.2%	17.0	16.72				
					Left	58	5290.0	0.346	97.2%	17.0	16.72	0.129	0.141	2	
			Body	10	Rear	58	5290.0	0.649	97.2%	17.0	15.44	0.479	0.705		85
					Front	58	5290.0	0.185	97.2%	17.0	15.44				
					Top	58	5290.0	0.138	97.2%	17.0	15.44	0.059	0.087	4	
					Left	58	5290.0	0.154	97.2%	17.0	15.44				
Antenna	Frequency Band	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		10-g SAR (W/kg)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
WLAN MIMO Ant.J	5.3GHz U-NII 2A	802.11ac VHT 80 29.3 Mbps	Extremity 10-g	0	Rear	58	5290.0	5.180	97.2%	17.0	16.72				
					Front	58	5290.0	6.754	97.2%	17.0	16.72	0.942	1.033	4	
					Top	58	5290.0	2.040	97.2%	17.0	16.72				
					Left	58	5290.0	11.718	97.2%	17.0	16.72	0.828	0.908		
			Extremity 10-g	0	Rear	58	5290.0	5.180	97.2%	17.0	15.44	1.130	1.664	4	86
					Front	58	5290.0	6.754	97.2%	17.0	15.44				
					Top	58	5290.0	2.040	97.2%	17.0	15.44	0.120	0.177	4	
					Left	58	5290.0	11.718	97.2%	17.0	15.44				

U-NII 2C MIMO Ant.H+J SAR results

Antenna	Frequency Band	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
WLAN MIMO Ant.H	5.5GHz U-NII 2C	802.11ac VHT 80 29.3 Mbps	Body	10	Rear	138	5690.0	0.798	97.2%	17.0	16.71				
					Front	138	5690.0	0.278	97.2%	17.0	16.71	0.284	0.312	4	
					Top	138	5690.0	0.211	97.2%	17.0	16.71				
					Left	138	5690.0	0.687	97.2%	17.0	16.71	0.235	0.258	2	
			Body	10	Rear	138	5690.0	0.798	97.2%	17.0	16.11	0.581	0.733		87
					Front	138	5690.0	0.278	97.2%	17.0	16.11	0.109	0.138		
					Top	138	5690.0	0.211	97.2%	17.0	16.11	0.071	0.089	4	
					Left	138	5690.0	0.687	97.2%	17.0	16.11				
Antenna	Frequency Band	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		10-g SAR (W/kg)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
WLAN MIMO Ant.J	5.5GHz U-NII 2C	802.11ac VHT 80 29.3 Mbps	Extremity 10-g	0	Rear	138	5690.0	5.200	97.2%	17.0	16.71				
					Front	138	5690.0	3.100	97.2%	17.0	16.71	0.558	0.613	4	
					Top	138	5690.0	1.034	97.2%	17.0	16.71				
					Left	138	5690.0	15.383	97.2%	17.0	16.71	1.100	1.209		
			Extremity 10-g	0	Rear	138	5690.0	5.200	97.2%	17.0	16.11	0.987	1.246	2	88
					Front	138	5690.0	3.100	97.2%	17.0	16.11				
					Top	138	5690.0	1.034	97.2%	17.0	16.11	0.105	0.133	4	
					Left	138	5690.0	15.383	97.2%	17.0	16.11				

Note(s):

1. When the Highest reported SAR is ≤ 0.4 or 1.0 W/kg (1-g or 10-g respectively). Therefore, further SAR measurements within this exposure condition are not required.
2. Highest reported SAR is > 0.4 or 1.0 W/kg (1-g or 10-g respectively). Due to the highest reported SAR for this test position, other test positions in this exposure condition were evaluated until a SAR ≤ 0.8 or 2.0 W/kg (1-g or 10-g respectively) was reported.
3. Testing for a second channel was required because the reported SAR for this test position was > 0.8 or 2.0 W/kg (1-g or 10-g respectively).
4. Additional testing required in order satisfying FCC simultaneous transmission limit criteria.

Wi-Fi (U-NII Bands) (Continued)

U-NII 3 MIMO Ant.H+J SAR results

Antenna	Frequency Band	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
WLAN MIMO Ant.H	5.8GHz U-NII 3	802.11ac VHT 80 29.3 Mbps	Body	10	Rear	155	5775.0	1.965	97.2%	17.0	16.33				
					Front	155	5775.0	0.324	97.2%	17.0	16.33	0.251	0.301	2	
					Top	155	5775.0	0.323	97.2%	17.0	16.33				
					Left	155	5775.0	0.306	97.2%	17.0	16.33	0.222	0.266	4	
			Body	10	Rear	155	5775.0	1.965	97.2%	17.0	15.68	0.742	1.034		89
					Front	155	5775.0	0.324	97.2%	17.0	15.68				
					Top	155	5775.0	0.323	97.2%	17.0	15.68	0.256	0.357	4	
					Left	155	5775.0	0.306	97.2%	17.0	15.68				
Antenna	Frequency Band	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		10-g SAR (W/kg)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
WLAN MIMO Ant.J	5.8GHz U-NII 3	802.11ac VHT 80 29.3 Mbps	Extremity 10-g	0	Rear	155	5775.0	7.520	97.2%	17.0	16.33				
					Front	155	5775.0	2.550	97.2%	17.0	16.33	0.614	0.737	4	
					Top	155	5775.0	1.050	97.2%	17.0	16.33				
					Left	155	5775.0	4.820	97.2%	17.0	16.33	0.712	0.854	2	
			Extremity 10-g	0	Rear	155	5775.0	7.520	97.2%	17.0	15.68	1.240	1.728		90
					Front	155	5775.0	2.550	97.2%	17.0	15.68				
					Top	155	5775.0	1.050	97.2%	17.0	15.68	0.301	0.419	4	
					Left	155	5775.0	4.820	97.2%	17.0	15.68				

U-NII 4 MIMO Ant.H+J SAR results

Antenna	Frequency Band	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
WLAN MIMO Ant.H	5.9GHz U-NII 4	802.11ac VHT 80 29.3 Mbps	Body	10	Rear	171	5855.0	1.823	97.2%	17.0	16.37				
					Front	171	5855.0	0.334	97.2%	17.0	16.37	0.265	0.315	2	
					Top	171	5855.0	0.282	97.2%	17.0	16.37				
					Left	171	5855.0	0.307	97.2%	17.0	16.37	0.232	0.276	4	
			Body	10	Rear	171	5855.0	1.823	97.2%	17.0	15.86	0.575	0.769		91
					Front	171	5855.0	0.334	97.2%	17.0	15.86				
					Top	171	5855.0	0.282	97.2%	17.0	15.86	0.227	0.304	4	
					Left	171	5855.0	0.307	97.2%	17.0	15.86				
Antenna	Frequency Band	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle	Power (dBm)		10-g SAR (W/kg)		Note	Plot No.
										Tune-up limit	Meas.	Meas.	Scaled		
WLAN MIMO Ant.J	5.9GHz U-NII 4	802.11ac VHT 80 29.3 Mbps	Extremity 10-g	0	Rear	171	5855.0	4.050	97.2%	17.0	16.37				
					Front	171	5855.0	4.810	97.2%	17.0	16.37	1.080	1.284	2	
					Top	171	5855.0	1.030	97.2%	17.0	16.37				
					Left	171	5855.0	4.870	97.2%	17.0	16.37	0.717	0.852		
			Extremity 10-g	0	Rear	171	5855.0	4.050	97.2%	17.0	15.86	1.030	1.377	4	92
					Front	171	5855.0	4.810	97.2%	17.0	15.86				
					Top	171	5855.0	1.030	97.2%	17.0	15.86	0.279	0.373	4	
					Left	171	5855.0	4.870	97.2%	17.0	15.86				

Note(s):

1. When the Highest reported SAR is ≤ 0.4 or 1.0 W/kg (1-g or 10-g respectively). Therefore, further SAR measurements within this exposure condition are not required.
2. Highest reported SAR is > 0.4 or 1.0 W/kg (1-g or 10-g respectively). Due to the highest reported SAR for this test position, other test positions in this exposure condition were evaluated until a SAR ≤ 0.8 or 2.0 W/kg (1-g or 10-g respectively) was reported.
3. Testing for a second channel was required because the reported SAR for this test position was > 0.8 or 2.0 W/kg (1-g or 10-g respectively).
4. Additional testing required in order satisfying FCC simultaneous transmission limit criteria.

10.2.30. Bluetooth

Bluetooth SISO SAR results

Antenna	Frequency Band	Mode	RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Duty Cycle	Power (dBm)		1-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
BT SISO Ant.H	2.4GHz	LE (1M)	Body	10	Rear	19	2440.0	87.0%	84.3%	18.0	17.57	0.074	0.084	
					Front	19	2440.0	87.0%	84.3%	18.0	17.57	0.086	0.097	
					Left	19	2440.0	87.0%	84.3%	18.0	17.57	0.128	0.146	93
			RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Duty Cycle	Power (dBm)		10-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
			Extremity 10-g	0	Rear	19	2440.0	87.0%	84.3%	18.0	17.57	0.186	0.212	
					Front	19	2440.0	87.0%	84.3%	18.0	17.57	0.349	0.398	
					Left	19	2440.0	87.0%	84.3%	18.0	17.57	0.406	0.463	
BT SISO Ant.G	2.4GHz	LE (1M)	Body	10	Rear	19	2440.0	87.0%	84.3%	16.0	15.13	0.069	0.087	
					Front	19	2440.0	87.0%	84.3%	16.0	15.13	0.042	0.053	
					Top	19	2440.0	87.0%	84.3%	16.0	15.13	0.069	0.087	
					Left	19	2440.0	87.0%	84.3%	16.0	15.13	0.028	0.035	
			RF Exposure Conditions	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	Duty Cycle	Duty Cycle	Power (dBm)		10-g SAR (W/kg)		Plot No.
										Tune-up limit	Meas.	Meas.	Scaled	
			Extremity 10-g	0	Rear	19	2440.0	87.0%	84.3%	16.0	15.13	0.232	0.293	
					Front	19	2440.0	87.0%	84.3%	16.0	15.13	0.228	0.288	
					Top	19	2440.0	87.0%	84.3%	16.0	15.13	0.516	0.651	94
					Left	19	2440.0	87.0%	84.3%	16.0	15.13	0.089	0.112	

10.2.31. NFC

Antenna	Frequency Band	RF Exposure Conditions	Dist. (mm)	Test Position	Test setup		Freq. (MHz)	10-g SAR (W/kg)	Plot No.
					Type	Bitrate		Meas.	
NFC	PBRS	Extremity 10-g	0	Rear	A	106	13.6	0.012	
					B	106	13.6	0.013	
					F	212	13.6	0.014	
					F	424	13.6	0.014	95
				Front	F	212	13.6	0.000	
				Left	F	212	13.6	0.000	
				Bottom	F	212	13.6	0.000	

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.

Peak spatial-average (1g of tissue)

Frequency Band (MHz)	Air Interface	Antenna	DUT Configuration	RF Exposure Conditions	Test Position	Repeated SAR (Yes/No)	Highest Measured SAR (W/kg)	Repeated Measured SAR (W/kg)	Largest to Smallest SAR Ratio
1750	LTE Band 66	Ant.F	Folder Closed	Head	Left Tilt	No	0.814	N/A	N/A
	NR Band n66	Ant.F	Folder Closed	Head	Right tilt	Yes	0.833	0.832	1.00
2600	LTE Band 7	Ant.F	Folder Closed	Head	Left Tilt	Yes	0.974	0.939	1.04
	NR Band n7	Ant.B	Folder Opened	Body	Bottom	No	0.874	N/A	N/A

Peak spatial-average (10g of tissue)

Frequency Band (MHz)	Air Interface	Antenna	DUT Configuration	RF Exposure Conditions	Test Position	Repeated SAR (Yes/No)	Highest Measured SAR (W/kg)	Repeated Measured SAR (W/kg)	Largest to Smallest SAR Ratio
1750	WCDMA Band IV	Ant.B	Folder Opened	Extremity 10-g	Bottom	Yes	2.200	2.190	1.00
1900	WCDMA Band II	Ant.B	Folder Opened	Extremity 10-g	Bottom	Yes	2.226	2.240	0.99
2300	LTE Band 30	Ant.F	Folder Opened	Extremity 10-g	Top	No	2.170	N/A	N/A
	NR Band n30	Ant.B	Folder Opened	Extremity 10-g	Bottom	Yes	2.500	2.480	1.01
	NR Band n30	Ant.F	Folder Opened	Extremity 10-g	Top	No	2.270	N/A	N/A
2600	LTE Band 7	Ant.B	Folder Opened	Extremity 10-g	Bottom	Yes	2.670	2.660	1.00
	NR Band n7	Ant.F	Folder Opened	Extremity 10-g	Top	No	2.000	N/A	N/A
	NR Band n7	Ant.B	Folder Opened	Extremity 10-g	Rear	No	2.300	N/A	N/A
3600	LTE Band 48	Ant.F	Folder Opened	Extremity 10-g	Top	Yes	2.400	2.310	1.04
3800	NR Band n77	Ant.F	Folder Opened	Extremity 10-g	Top	Yes	2.030	2.020	1.00

Note(s):

1. In above table, Only some bands above 0.8 or 2.0 W/kg (1-g or 10-g Measured SAR) were listed.

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

12. Simultaneous Transmission SAR Analysis

Simultaneous Transmission Condition

RF Exposure Condition	Item	Capable Transmit Configurations
Folder Closed Head & Body-worn/Hotspot & Phablet-10g **Folder Opened** Body & Phablet-10g	1	WWAN (2G/3G/LTE/NR) + BT Ant.1 (Ant.H)
	2	WWAN (2G/3G/LTE/NR) + BT Ant.2 (Ant.G)
	3	WWAN (2G/3G/LTE/NR) + BT Ant.1 (Ant.H) + DTS Ant.2 (Ant.G)
	4	WWAN (2G/3G/LTE/NR) + DTS MIMO
	5	WWAN (2G/3G/LTE/NR) + UNII MIMO
	6	WWAN (2G/3G/LTE/NR) + BT Ant.1 (Ant.H) + UNII MIMO
	7	WWAN (2G/3G/LTE/NR) + BT Ant.2 (Ant.G) + UNII MIMO
	8	WWAN (2G/3G/LTE/NR) + DTS MIMO + UNII MIMO
	9	WWAN (2G/3G/LTE/NR) + BT Ant.1 (Ant.H) + DTS Ant.2 (Ant.G) + UNII MIMO
	10	ENDC or ULCA + BT Ant.1 (Ant.H)
	11	ENDC or ULCA + BT Ant.2 (Ant.G)
	12	ENDC or ULCA + BT Ant.1 (Ant.H) + DTS Ant.2 (Ant.G)
	13	ENDC or ULCA + DTS MIMO
	14	ENDC or ULCA + UNII MIMO
	15	ENDC or ULCA + BT Ant.1 (Ant.H) + UNII MIMO
	16	ENDC or ULCA + BT Ant.2 (Ant.G) + UNII MIMO
	17	ENDC or ULCA + DTS MIMO + UNII MIMO
	18	ENDC or ULCA + BT Ant.1 (Ant.H) + DTS Ant.2 (Ant.G) + UNII MIMO
	19	Item (1-19) + UWB + NFC in Pablet-10g or Extremity 10-g conditions

Notes:

1. DTS supports Wi-Fi Direct, Hotspot and VoIP.
2. U-NII supports Wi-Fi Direct, Hotspot and VoIP.
3. GPRS, W-CDMA, LTE, NR supports Hotspot and VoIP
4. U-NII Radio can transmit simultaneously with Bluetooth Radio.
5. DTS Radio can transmit simultaneously with Bluetooth Radio.
6. RSDB support to both DTS & UNII bands.
7. NR Radio support to both SA and NSA(ENDC) Radio.
8. BT tethering is considered about each RF exposure conditions.
9. LTE support UL CA configuration.
10. DTS support SISO(Only Ant.G) and MIMO modes.
11. Bluetooh support only SISO mode.
12. UNII support only MIMO mode.

Note(s):

Qualcomm Smart Transmit algorithm support to WWAN/WLAN/BT except NFC and UWB. And This device has support 2 Antenna groups.

Each antenna group has controls the total RF exposure from all transmitter to not exceed FCC limit. Therefore, in Part.1 report, it is evaluated whether the sum of the groups of each antenna does not exceed FCC limit or spatial separation is applied. In addition, each antenna group need to satisfies simultaneous transmission analysis with External radios (NFC and UWB) in Part.1 report.

For Qualcomm Smart Transmit algorithm verification of each antenna group, please refer to the Part.2 test report.

12.1. Sub6 Antenna Groups

The 3nd generation of Smart Transmit (GEN3) operates based on pre-defined sub6 antenna groups(AG). Sub6 Tx antennas in UE are grouped based on spatial variation of RF exposure distributions, where the RF exposure of one AG is mutually exclusive from the other AG. This is accomplished by demonstrating below conditions for all RF exposure scenarios (This procedures are follow according to Qualcomm's document (80-W2112-4));

1. (Condition#1 Sum of SAR) : Demonstrate that the sum of maximum *reported* SAR from each of the sub6 AGs and the *reported* SAR values from radios outside Smart Transmit (WLAN/BT/NFC/UWB) should be less than the regulatory limit for each supported DSI.

2. If the condition#1 is not met, then for a given antenna grouping scheme plus external radios/antennas (ERs), demonstrate all AG pairs, all ER pairs and all (AG, ER) pairs in the configuration meet SPLSR (SAR to Peak Location Ratio) criteria for each supported DSI (each RF exposure scenarios).
   For a conservative assessment of SPLSR, the separation distance between each AGs were determined using only the y-axis coordinates of the peak locations.

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

   For a conservative assessment of SPLSR in Head exposure condition, the y-axis coordinates of the peak locations was used based on the ERP of each Right and Left phantoms.

This device supports antenna groups like below table.

Antenna Groups	Grouped antenna list				
AG0	Ant.A	Ant.A+B	Ant.B	Ant.C	Ant.D
AG1	Ant.F	Ant.H	Ant.G	Ant.H+G	Ant.H+J
ER(s)	NFC Ant.	UWB Ant.			
ER = Exteral radios/antennas suppored ourtside of Smart Transmit					

This section is a step in evaluating whether each AGs are mutually exclusive using Condition#1 and Condition#2 guide. And If it is evaluated that each AGs are mutually exclusive for all DSIs (each RF exposure scenarios),

Additional analysis for Simultaneous transmission SAR test exclusion for Both AGs and ER(s) compliance demonstration evaluate at Section.12.2.

12.1.1 Folder Closed (Phablet) condition

12.1.1.1 Head(DSI=3)/Body&Hotspot(DSI=1)/Product Specific 10-g(DSI=1) exposure Antenna group analysis

Condition#1

Antenna Group : AG0_Ant.A

Antenna Group		AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	Highest SAR
Antenna		Ant.A	Ant.A	Ant.A	Ant.A	Ant.A	Ant.A	Ant.A	Ant.A	Ant.A	Ant.A	Ant.A	Ant.A	
RF exposure	Test position	GSM850	WCDMA B5	LTE B12	LTE B13	LTE B14	LTE B26	LTE B71	NR Bn26	NR Bn12	NR Bn71	NR Bn48-SRS3	NR Bn77-SRS3	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Head	Left Touch	0.189	0.143	0.130	0.150	0.135	0.170	0.071	0.143	0.123	0.069	0.001	0.000	0.189
	Left Tilt	0.088	0.079	0.105	0.087	0.084	0.106	0.044	0.078	0.089	0.035	0.001	0.000	0.106
	Right Touch	0.180	0.183	0.140	0.203	0.219	0.227	0.075	0.172	0.133	0.076	0.001	0.015	0.227
	Right Tilt	0.121	0.145	0.103	0.119	0.118	0.122	0.047	0.086	0.075	0.029	0.001	0.002	0.145
Body-worn & Hotspot	Rear	0.260	0.528	0.257	0.347	0.492	0.491	0.169	0.540	0.252	0.173	0.059	0.058	0.540
	Front	0.062	0.197	0.192	0.212	0.247	0.240	0.130	0.201	0.163	0.124	0.019	0.052	0.247
	Top	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	R/Left	0.129	0.368	0.373	0.503	0.577	0.423	0.374	0.377	0.362	0.247	0.052	0.155	0.577
	Bottom	0.094	0.143	0.072	0.151	0.197	0.136	0.032	0.127	0.054	0.042	0.137	0.165	0.197
	R/Right	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Product Specific 10-g	Rear	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Front	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	R/Left	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	R/Right	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Antenna Group : AG0_Ant.A+B

Antenna Group		AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	Highest SAR
Antenna		Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	
RF exposure	Test position	GSM850	WCDMA B5	LTE B12	LTE B13	LTE B14	LTE B26	LTE B71	NR Bn26	NR Bn12	NR Bn71	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Head	Left Touch	0.169	0.176	0.210	0.193	0.154	0.204	0.148	0.161	0.149	0.135	0.210
	Left Tilt	0.079	0.086	0.120	0.104	0.082	0.094	0.072	0.092	0.083	0.079	0.120
	Right Touch	0.180	0.160	0.170	0.201	0.248	0.224	0.179	0.082	0.148	0.169	0.248
	Right Tilt	0.029	0.102	0.096	0.106	0.112	0.129	0.107	0.070	0.087	0.092	0.129
Body-worn & Hotspot	Rear	0.220	0.362	0.245	0.365	0.427	0.351	0.176	0.369	0.254	0.203	0.427
	Front	0.059	0.091	0.204	0.227	0.242	0.092	0.112	0.194	0.188	0.202	0.242
	Top	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	R/Left	0.090	0.192	0.465	0.580	0.521	0.391	0.438	0.179	0.474	0.431	0.580
	Bottom	0.322	0.137	0.083	0.171	0.210	0.138	0.058	0.122	0.083	0.070	0.322
	R/Right	0.056	0.074	0.151	0.242	0.241	0.252	0.243	0.099	0.203	0.185	0.252
Product Specific 10-g	Rear	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Front	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	R/Left	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	R/Right	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Antenna Group : AG0_Ant.B

Antenna Group		AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	Highest SAR
Antenna		Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	
RF exposure	Test position	GSM1900	WCDMA B2	WCDMA B4	LTE B7	LTE B25	LTE B30	LTE B41	LTE B66	NR Bn7	NR Bn25	NR Bn30	NR Bn41(SRS0)	NR Bn41NSA(SRS1)	NR Bn66	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Head	Left Touch	0.017	0.104	0.075	0.071	0.084	0.032	0.057	0.131	0.005	0.034	0.023	0.008	0.004	0.102	0.131
	Left Tilt	0.025	0.097	0.079	0.043	0.088	0.023	0.009	0.092	0.031	0.020	0.032	0.008	0.004	0.049	0.097
	Right Touch	0.067	0.121	0.062	0.100	0.136	0.047	0.013	0.073	0.084	0.090	0.041	0.038	0.003	0.076	0.136
	Right Tilt	0.022	0.093	0.120	0.034	0.142	0.011	0.013	0.083	0.006	0.017	0.012	0.008	0.003	0.049	0.142
Body-worn & Hotspot	Rear	0.231	0.279	0.557	0.372	0.297	0.312	0.326	0.472	0.496	0.251	0.385	0.174	0.239	0.466	0.557
	Front	0.140	0.187	0.172	0.075	0.177	0.100	0.058	0.168	0.078	0.124	0.077	0.022	0.038	0.190	0.190
	Top	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	R/Left	0.144	0.300	0.195	0.074	0.257	0.060	0.080	0.133	0.110	0.227	0.043	0.040	0.395	0.165	0.395
	Bottom	0.425	0.599	0.755	0.418	0.661	0.453	0.593	0.830	0.704	0.607	0.552	0.295	0.386	0.641	0.830
	R/Right	0.027	0.028	0.057	0.018	0.035	0.023	0.027	0.053	0.031	0.032	0.025	0.013	0.014	0.069	0.069
Product Specific 10-g	Rear	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Front	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	R/Left	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	R/Right	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Antenna Group : AG0_Ant.C & D

Antenna Group		AG0	AG0	Highest SAR	Antenna Group		AG0	Highest SAR
Antenna		Ant.D	Ant.D		Antenna		Ant.C	
RF exposure	Test position	NR Bn48-SRS1 If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	NR Bn77-SRS1 If Plimit < Pmax, (Reported SAR x Multi-Tx factor)		RF exposure	Test position	NR Bn41-SRS2 NR Bn41NSA-SRS3 If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Head	Left Touch	**0.000**	**0.000**	**0.000**	Head	Left Touch	**0.000**	**0.000**
	Left Tilt	**0.000**	**0.000**	**0.000**		Left Tilt	**0.000**	**0.000**
	Right Touch	**0.000**	**0.000**	**0.000**		Right Touch	**0.011**	**0.011**
	Right Tilt	**0.000**	**0.000**	**0.000**		Right Tilt	**0.014**	**0.014**
Body-worn & Hotspot	Rear	**0.133**	**0.129**	**0.133**	Body-worn & Hotspot	Rear	**0.017**	**0.017**
	Front	**0.016**	**0.011**	**0.016**		Front	**0.000**	**0.000**
	Top	**0.000**	**0.000**	**0.000**		Top	**0.000**	**0.000**
	R/Left	**0.000**	**0.000**	**0.000**		R/Left	**0.000**	**0.000**
	Bottom	**0.236**	**0.243**	**0.243**		Bottom	**0.019**	**0.019**
	R/Right	**0.000**	**0.007**	**0.007**		R/Right	**0.000**	**0.000**
Product Specific 10-g	Rear	**0.000**	**0.000**	**0.000**	Product Specific 10-g	Rear	**0.000**	**0.000**
	Front	**0.000**	**0.000**	**0.000**		Front	**0.000**	**0.000**
	Top	**0.000**	**0.000**	**0.000**		Top	**0.000**	**0.000**
	R/Left	**0.000**	**0.000**	**0.000**		R/Left	**0.000**	**0.000**
	Bottom	**0.000**	**0.000**	**0.000**		Bottom	**0.000**	**0.000**
	R/Right	**0.000**	**0.000**	**0.000**		R/Right	**0.000**	**0.000**

AG0's Highest SAR results

Antenna Group		AG0					Worst SAR
Antenna		Ant.A	Ant.A+B	Ant.B	Ant.C	Ant.D	
RF exposure	Test position						
Head	Left Touch	0.189	0.210	0.131	0.000	0.000	0.210
	Left Tilt	0.106	0.120	0.097	0.000	0.000	0.120
	Right Touch	0.227	0.248	0.136	0.011	0.000	0.248
	Right Tilt	0.145	0.129	0.142	0.014	0.000	0.145
Body-worn & Hotspot	Rear	0.540	0.427	0.557	0.017	0.133	0.557
	Front	0.247	0.242	0.190	0.000	0.016	0.247
	Top	0.000	0.000	0.000	0.000	0.000	0.000
	Left	0.577	0.580	0.395	0.000	0.000	0.580
	Bottom	0.197	0.210	0.830	0.019	0.243	0.830
	Right	0.000	0.252	0.069	0.000	0.007	0.252
Product Specific 10-g	Rear	0.000	0.000	0.000	0.000	0.000	0.000
	Front	0.000	0.000	0.000	0.000	0.000	0.000
	Top	0.000	0.000	0.000	0.000	0.000	0.000
	Left	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom	0.000	0.000	0.000	0.000	0.000	0.000
	Right	0.000	0.000	0.000	0.000	0.000	0.000

Antenna Group : AG1_Ant.F

Antenna Group		AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	Highest SAR
Antenna		Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	
RF exposure	Test position	LTE B48	NR Bn48(SRS0)	NR Bn77(SRS0)	LTE B7	LTE B25	LTE B30	LTE B41	LTE B66	NR Bn7	NR Bn25	NR Bn30	NR Bn66	NR Bn41NSA-SRS0	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Head	Left Touch	0.182	0.335	0.329	0.856	0.565	0.436	0.369	0.717	0.578	0.583	0.410	0.691	0.332	0.856
	Left Tilt	0.316	0.392	0.466	1.158	0.689	0.573	0.758	1.025	0.639	0.801	0.530	1.055	0.445	1.158
	Right Touch	0.522	0.557	0.689	0.767	0.651	0.443	0.351	0.793	0.417	0.648	0.396	0.695	0.275	0.793
	Right Tilt	0.491	0.846	0.934	0.925	0.776	0.559	0.406	0.976	0.583	0.807	0.468	1.081	0.345	1.081
Body-worn & Hotspot	Rear	0.274	0.313	0.364	0.332	0.481	0.476	0.329	0.492	0.217	0.404	0.683	0.402	0.242	0.683
	Front	0.022	0.075	0.099	0.119	0.124	0.125	0.102	0.176	0.063	0.100	0.130	0.176	0.071	0.176
	Top	0.326	0.458	0.525	0.517	0.688	0.676	0.453	0.723	0.288	0.696	0.726	0.799	0.316	0.799
	R/Left	0.062	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.062
	Bottom	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	R/Right	0.000	0.066	0.039	0.111	0.096	0.125	0.096	0.112	0.050	0.110	0.175	0.135	0.079	0.175
Product Specific 10-g	Rear	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Front	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Top	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	R/Left	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	R/Right	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Antenna Group : AG1_Ant.H & Ant.G & Ant.H+G & Ant.H+J

Antenna Group		AG1	AG1	AG1	AG1	Highest SAR
Antenna		Ant.G	Ant.G	Ant.G	Ant.G	
RF exposure	Test position	NR Bn48-SRS2	NR Bn77-SRS2	BT Ant.2	2.4G Ant.2	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Head	Left Touch	0.240	0.197	0.112	0.196	0.240
	Left Tilt	0.312	0.255	0.138	0.231	0.312
	Right Touch	0.158	0.133	0.117	0.198	0.198
	Right Tilt	0.207	0.140	0.161	0.219	0.219
Body-worn & Hotspot	Rear	0.195	0.149	0.068	0.295	0.295
	Front	0.042	0.033	0.017	0.104	0.104
	Top	0.126	0.105	0.115	0.409	0.409
	R/Left	0.019	0.011	0.014	0.161	0.161
	Bottom	0.000	0.000	0.000	0.000	0.000
	R/Right	0.010	0.006	0.004	0.070	0.070
Product Specific 10-g	Rear	0.000	0.000	0.000	0.000	0.000
	Front	0.000	0.000	0.000	0.000	0.000
	Top	0.000	0.000	0.000	0.000	0.000
	R/Left	0.000	0.000	0.000	0.000	0.000
	Bottom	0.000	0.000	0.000	0.000	0.000
	R/Right	0.000	0.000	0.000	0.000	0.000

Antenna Group		AG1	AG1	Highest SAR
Antenna		Ant.H	Ant.H	
RF exposure	Test position	NR Bn41-SRS3 NR Bn41NSA-SRS2	BT Ant.1	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Head	Left Touch	0.026	0.099	0.099
	Left Tilt	0.008	0.057	0.057
	Right Touch	0.000	0.062	0.062
	Right Tilt	0.000	0.070	0.070
Body-worn & Hotspot	Rear	0.025	0.071	0.071
	Front	0.005	0.016	0.016
	Top	0.000	0.000	0.000
	R/Left	0.023	0.078	0.078
	Bottom	0.000	0.000	0.000
	R/Right	0.000	0.000	0.000
Product Specific 10-g	Rear	0.000	0.000	0.000
	Front	0.000	0.000	0.000
	Top	0.000	0.000	0.000
	R/Left	0.000	0.000	0.000
	Bottom	0.000	0.000	0.000
	R/Right	0.000	0.000	0.000

Antenna Group		AG1	Highest SAR	AG1	AG1	Highest SAR
Antenna		Ant.G+H		Ant.G+J	Ant.G+J	
RF exposure	Test position	2.4G MIMO		5G MIMO	6G MIMO	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Head	Left Touch	0.664	0.664	0.255	0.026	0.255
	Left Tilt	0.716	0.716	0.118	0.036	0.118
	Right Touch	0.654	0.654	0.395	0.053	0.395
	Right Tilt	0.787	0.787	0.108	0.027	0.108
Body-worn & Hotspot	Rear	0.336	0.336	0.978	0.266	0.978
	Front	0.174	0.174	0.026	0.004	0.026
	Top	0.496	0.496	0.330	0.000	0.330
	R/Left	0.283	0.283	0.102	0.000	0.102
	Bottom	0.000	0.000	0.000	0.000	0.000
	R/Right	0.023	0.023	0.061	0.000	0.061
Product Specific 10-g	Rear	0.000	0.000	1.605	0.083	1.605
	Front	0.000	0.000	0.196	0.008	0.196
	Top	0.000	0.000	0.265	0.003	0.265
	R/Left	0.000	0.000	1.011	0.089	1.011
	Bottom	0.000	0.000	0.000	0.000	0.000
	R/Right	0.000	0.000	0.044	0.004	0.044

AG1's Highest SAR results

Antenna Group		AG1					Worst SAR
Antenna							
RF exposure	Test position	Ant.F	Ant.G	Ant.H	Ant.H+G	Ant.H+J	
Head	Left Touch	0.856	0.240	0.099	0.664	0.255	0.856
	Left Tilt	1.158	0.312	0.057	0.716	0.118	1.158
	Right Touch	0.793	0.198	0.062	0.654	0.395	0.793
	Right Tilt	1.081	0.219	0.070	0.787	0.108	1.081
Body-worn & Hotspot	Rear	0.683	0.295	0.071	0.336	0.978	0.978
	Front	0.176	0.104	0.016	0.174	0.026	0.176
	Top	0.799	0.409	0.000	0.496	0.330	0.799
	Left	0.062	0.161	0.078	0.283	0.102	0.283
	Bottom	0.000	0.000	0.000	0.000	0.000	0.000
	Right	0.175	0.070	0.000	0.023	0.061	0.175
Product Specific 10-g	Rear	0.000	0.000	0.000	0.000	1.605	1.605
	Front	0.000	0.000	0.000	0.000	0.196	0.196
	Top	0.000	0.000	0.000	0.000	0.265	0.265
	Left	0.000	0.000	0.000	0.000	1.011	1.011
	Bottom	0.000	0.000	0.000	0.000	0.000	0.000
	Right	0.000	0.000	0.000	0.000	0.044	0.044

Summation of AG0 and AG1

RF exposure Conditions		AG0						AG1						SUM	SUM (for UNII 6e)	FCC Limit
		Ant.A	Ant.A+B	Ant.B	Ant.C	Ant.D	Worst	Ant.F	Ant.G	Ant.H	Ant.H+G	Ant.H+J	Worst			
Head	Left Touch	0.189	0.210	0.131	0.000	0.000	**0.210**	0.856	0.240	0.099	0.664	0.255	**0.856**	**1.066**	**1.066**	1.6
	Left Tilt	0.106	0.120	0.097	0.000	0.000	**0.120**	1.158	0.312	0.057	0.716	0.118	**1.158**	**1.278**	**1.278**	
	Right Touch	0.227	0.248	0.136	0.011	0.000	**0.248**	0.793	0.198	0.062	0.654	0.395	**0.793**	**1.041**	**1.041**	
	Right Tilt	0.145	0.129	0.142	0.014	0.000	**0.145**	1.081	0.219	0.070	0.787	0.108	**1.081**	**1.226**	**1.226**	
Body-worn & Hotspot	Rear	0.540	0.427	0.557	0.017	0.133	**0.557**	0.683	0.295	0.071	0.336	0.978	**0.978**	**1.535**	**1.240**	1.6
	Front	0.247	0.242	0.190	0.000	0.016	**0.247**	0.176	0.104	0.016	0.174	0.026	**0.176**	**0.423**	**0.423**	
	Top	0.000	0.000	0.000	0.000	0.000	**0.000**	0.799	0.409	0.000	0.496	0.330	**0.799**	**0.799**	N/A	
	Left	0.577	0.580	0.395	0.000	0.000	**0.580**	0.062	0.161	0.078	0.283	0.102	**0.283**	**0.863**	N/A	
	Bottom	0.197	0.322	0.830	0.019	0.243	**0.830**	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.830**	N/A	
	Right	0.000	0.252	0.069	0.000	0.007	**0.252**	0.175	0.070	0.000	0.023	0.061	**0.175**	**0.427**	N/A	
Product Specific 10-g	Rear	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	1.605	**1.605**	**1.605**	**0.083**	4.0
	Front	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.196	**0.196**	**0.196**	**0.008**	
	Top	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.265	**0.265**	**0.265**	**0.003**	
	Left	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	1.011	**1.011**	**1.011**	**0.089**	
	Bottom	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	**0.000**	
	Right	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.044	**0.044**	**0.044**	**0.004**	

Note(s):

Additional evaluation is not required due to below FCC limit.

12.1.2 Folder Opened (UMPC mini tablet) condition

12.1.2.1 Body(DSI=0) exposure Antenna group analysis

Condition#1

Antenna Group : AG0_Ant.A & Ant.A+B

Antenna Group		AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	Highest SAR	AG0	AG0	Highest SAR
Antenna		Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B		Ant.A	Ant.A	
RF exposure	Test position	GSM850	WCDMA B5	LTE B12	LTE B13	LTE B14	LTE B26	LTE B71	NR Bn26	NR Bn12	NR Bn71		NR Bn48-SRS3	NR Bn77-SRS3	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Body -10mm	Rear	0.647	0.924	0.586	0.611	0.620	0.698	0.465	0.672	0.545	0.393	0.924	0.070	0.108	0.108
	Front	0.530	0.543	0.456	0.484	0.488	0.524	0.374	0.458	0.344	0.305	0.543	0.082	0.132	0.132
	Top	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left	0.208	0.207	0.379	0.504	0.419	0.222	0.502	0.205	0.347	0.330	0.504	0.087	0.152	0.152
	Bottom	0.335	0.277	0.283	0.465	0.709	0.361	0.345	0.301	0.255	0.246	0.709	0.121	0.180	0.180
	Right	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Antenna Group : AG0_Ant.B

Antenna Group		AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	Highest SAR
Antenna		Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	
RF exposure	Test position	GSM1900	WCDMA B2	WCDMA B4	LTE B7	LTE B25	LTE B30	LTE B41	LTE B66	NR Bn7	NR Bn25	NR Bn30	NR Bn41(SRS0)	R Bn41NSA(SRS1	NR Bn66	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Body -10mm	Rear	0.299	0.375	0.371	0.541	0.498	0.331	0.470	0.471	0.761	0.287	0.551	0.352	0.260	0.551	0.761
	Front	0.172	0.289	0.285	0.254	0.272	0.216	0.233	0.264	0.501	0.215	0.389	0.182	0.208	0.348	0.501
	Top	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left	0.063	0.228	0.133	0.108	0.194	0.082	0.070	0.137	0.135	0.126	0.085	0.049	0.054	0.114	0.228
	Bottom	0.502	0.762	0.629	0.689	0.695	0.580	0.890	0.598	1.073	0.571	0.756	0.398	0.635	0.569	1.073
	Right	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Antenna Group : AG0_Ant.C & Ant.D

Antenna Group		AG0	AG0	Highest SAR
Antenna		Ant.D	Ant.D	
RF exposure	Test position	NR Bn48-SRS1	NR Bn77-SRS1	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Body -10mm	Rear	0.111	0.232	0.232
	Front	0.098	0.154	0.154
	Top	0.000	0.000	0.000
	Left	0.000	0.000	0.000
	Bottom	0.272	0.463	0.463
	Right	0.000	0.000	0.000

Antenna Group		AG0	Highest SAR
Antenna		Ant.C	
RF exposure	Test position	NR Bn41-SRS2 NR Bn41NSA-SRS3	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Body -10mm	Rear	0.016	0.016
	Front	0.010	0.010
	Top	0.000	0.000
	Left	0.000	0.000
	Bottom	0.000	0.000
	Right	0.000	0.000

AG0's Highest SAR results

Antenna Group		AG0					Worst SAR
Antenna							
RF exposure	Test position	Ant.A	Ant.A+B	Ant.B	Ant.C	Ant.D	
Body -10mm	Rear	0.108	0.924	0.761	0.016	0.232	0.924
	Front	0.132	0.543	0.501	0.010	0.154	0.543
	Top	0.000	0.000	0.000	0.000	0.000	0.000
	Left	0.152	0.504	0.228	0.000	0.000	0.504
	Bottom	0.180	0.709	1.073	0.000	0.463	1.073
	Right	0.000	0.000	0.000	0.000	0.000	0.000

Antenna Group : AG1_Ant.F

Antenna Group		AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	Highest SAR
Antenna		Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	
RF exposure	Test position	LTE B48	NR Bn48(SRS0)	NR Bn77(SRS0)	LTE B25	LTE B30	LTE B41	LTE B66	NR Bn7	NR Bn25	NR Bn30	NR Bn66	NR Bn41-SRS1	NR Bn41NSA-SRS1	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Body -10mm	Rear	0.278	0.361	0.279	0.492	0.466	0.374	0.482	0.422	0.541	0.353	0.646	0.281	0.267	0.646
	Front	0.163	0.146	0.203	0.388	0.397	0.169	0.322	0.226	0.352	0.251	0.430	0.192	0.240	0.430
	Top	0.422	0.536	0.385	0.690	0.830	0.800	0.811	0.507	0.669	0.637	0.685	0.557	0.628	0.830
	Left	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Antenna Group : AG1_Ant.G & Ant.H & Ant.H+G & Ant.H+J

Antenna Group		AG1	AG1	AG1	AG1	Highest SAR
Antenna		Ant.G	Ant.G	Ant.G	Ant.G	
RF exposure	Test position	NR Bn48-SRS2	NR Bn77-SRS2	BT Ant.2	2.4G Ant.2	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Body -10mm	Rear	0.161	0.202	0.087	0.304	0.304
	Front	0.094	0.097	0.053	0.133	0.133
	Top	0.319	0.267	0.087	0.409	0.409
	Left	0.054	0.041	0.035	0.280	0.280
	Bottom	0.000	0.000	0.000	0.000	0.000
	Right	0.000	0.000	0.000	0.000	0.000

Antenna Group		AG1	AG1	Highest SAR
Antenna		Ant.H	Ant.H	
RF exposure	Test position	NR Bn41-SRS3 NR Bn41NSA-SRS2	BT Ant.1	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Body -10mm	Rear	0.019	0.084	0.084
	Front	0.017	0.097	0.097
	Top	0.000	0.000	0.000
	Left	0.035	0.146	0.146
	Bottom	0.000	0.000	0.000
	Right	0.000	0.000	0.000

Antenna Group		AG1	Highest SAR	AG1	AG1	Highest SAR
Antenna		Ant.H+G		Ant.H+J	Ant.H+J	
RF exposure	Test position	2.4G MIMO		5G MIMO	6G MIMO	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Body -10mm	Rear	0.384	0.384	1.034	0.229	1.034
	Front	0.233	0.233	0.315	0.020	0.315
	Top	0.426	0.426	0.357	0.049	0.357
	Left	0.611	0.611	0.276	0.023	0.276
	Bottom	0.000	0.000	0.000	0.000	0.000
	Right	0.000	0.000	0.000	0.000	0.000

AG1's Highest SAR results

Antenna Group		AG1					Worst SAR
Antenna							
RF exposure	Test position	Ant.F	Ant.G	Ant.H	Ant.H+G	Ant.H+J	
Body -10mm	Rear	0.646	0.304	0.084	0.384	1.034	1.034
	Front	0.430	0.133	0.097	0.233	0.315	0.430
	Top	0.830	0.409	0.000	0.426	0.357	0.830
	Left	0.000	0.280	0.146	0.611	0.276	0.611
	Bottom	0.000	0.000	0.000	0.000	0.000	0.000
	Right	0.000	0.000	0.000	0.000	0.000	0.000

Summation of AG0 and AG1

RF exposure Condition		AG0						AG1						SUM	SUM (for UNII 6e)	FCC Limit
		Ant.A	Ant.A+B	Ant.B	Ant.C	Ant.D	Worst	Ant.F	Ant.G	Ant.H	Ant.H+G	Ant.H+J	Worst			
Body-10mm	Rear	0.108	0.924	0.761	0.016	0.232	**0.924**	0.646	0.304	0.084	0.384	1.034	**1.034**	**1.958**	**1.570**	1.6
	Front	0.132	0.543	0.501	0.010	0.154	**0.543**	0.430	0.133	0.097	0.233	0.315	**0.430**	**0.973**	**0.973**	
	Top	0.000	0.000	0.000	0.000	0.000	**0.000**	0.830	0.409	0.000	0.426	0.357	**0.830**	**0.830**	**0.830**	
	Left	0.152	0.504	0.228	0.000	0.000	**0.504**	0.000	0.280	0.146	0.611	0.276	**0.611**	**1.115**	**1.115**	
	Bottom	0.180	0.709	1.073	0.000	0.463	**1.073**	0.000	0.000	0.000	0.000	0.000	**0.000**	**1.073**	**1.073**	
	Right	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	**0.000**	

Note(s):

1. Additional evaluation is required due to over FCC limit. So please refer to Condition#2.

Condition#2

Test position	No.	Antenna pairs		AG0		AG1		AG0+AG1 SUM SAR (W/kg)	SPLSR of AG0 & AG1
		AG0	AG1	SAR (W/kg)	Y-axis location (mm)	SAR (W/kg)	Y-axis location (mm)		
Rear	1	Ant.A	Ant.F	0.108	N/A	0.646	N/A	0.754	N/A
	2	Ant.A	Ant.G	0.108	N/A	0.304	N/A	0.412	N/A
	3	Ant.A	Ant.H	0.108	N/A	0.084	N/A	0.192	N/A
	4	Ant.A	Ant.H+G	0.108	N/A	0.384	N/A	0.492	N/A
	5	Ant.A	Ant.H+J	0.108	N/A	1.034	N/A	1.142	N/A
	6	Ant.A+B	Ant.F	0.924	N/A	0.646	N/A	1.570	N/A
	7	Ant.A+B	Ant.G	0.924	N/A	0.304	N/A	1.228	N/A
	8	Ant.A+B	Ant.H	0.924	N/A	0.084	N/A	1.008	N/A
	9	Ant.A+B	Ant.H+G	0.924	N/A	0.384	N/A	1.308	N/A
	10	Ant.A+B	Ant.H+J	0.924	-56.4	1.034	51.2	1.958	0.03
	11	Ant.B	Ant.F	0.761	N/A	0.646	N/A	1.407	N/A
	12	Ant.B	Ant.G	0.761	N/A	0.304	N/A	1.065	N/A
	13	Ant.B	Ant.H	0.761	N/A	0.084	N/A	0.845	N/A
	14	Ant.B	Ant.H+G	0.761	N/A	0.384	N/A	1.145	N/A
	15	Ant.B	Ant.H+J	0.761	-68.0	1.034	51.2	1.795	0.02
	16	Ant.C	Ant.F	0.016	N/A	0.646	N/A	0.662	N/A
	17	Ant.C	Ant.G	0.016	N/A	0.304	N/A	0.320	N/A
	18	Ant.C	Ant.H	0.016	N/A	0.084	N/A	0.100	N/A
	19	Ant.C	Ant.H+G	0.016	N/A	0.384	N/A	0.400	N/A
	20	Ant.C	Ant.H+J	0.016	N/A	1.034	N/A	1.050	N/A
	21	Ant.D	Ant.F	0.232	N/A	0.646	N/A	0.878	N/A
	22	Ant.D	Ant.G	0.232	N/A	0.304	N/A	0.536	N/A
	23	Ant.D	Ant.H	0.232	N/A	0.084	N/A	0.316	N/A
	24	Ant.D	Ant.H+G	0.232	N/A	0.384	N/A	0.616	N/A
	25	Ant.D	Ant.H+J	0.232	N/A	1.034	N/A	1.266	N/A

Highest Reported SAR and Peak SAR location (only Y-axis location) in each WWAN&WLAN Bands in each Antennas

Antenna Group	Antenna	Bands	SAR (W/kg)	Y-axis(mm) from ERP point
AG0	Ant.A+B	GSM 850	0.647	-66.1
		WCDMA B5	**0.924**	-72.6
		LTE B12	0.586	-62.1
		LTE B13	0.611	-59.6
		LTE B14	0.620	**-56.4**
		LTE B26	0.698	-58.1
		LTE B71	0.465	-62.1
		NR Bn26	0.672	-63.5
		NR Bn12	0.545	-75.5
		NR Bn71	0.393	-72.0
		Worst configuration	**0.924**	**-56.4**
	Ant.B	GSM 1900	0.299	-82.9
		WCDMA B2	0.375	-85.6
		WCDMA B4	0.371	-84.9
		LTE Band 7	0.541	-76.5
		LTE Band 25	0.498	-79.4
		LTE Band 30	0.331	-79.0
		LTE Band 41	0.470	-77.0
		LTE Band 66	0.471	-79.9
		NR Band n7	**0.761**	-75.0
		NR Band n25	0.287	-84.0
		NR Band n30	0.551	-75.2
		NR Band n41	0.352	**-68.0**
		NR Band n66	0.551	-78.5
	Worst configuration		**0.761**	**-68.0**

Antenna Group	Antenna	Bands	SAR (W/kg)	Y-axis(mm) from ERP point
AG1	Ant.H+J	5G MIMO	**1.034**	**51.2**
		6G MIMO	0.229	71.3
		Worst configuration	**1.034**	**51.2**

Note(s):

1. If Antenna pair's SUM SAR results are below 1.6 or 4.0 W/kg (1-g or 10-g respectively), then Condition#2 is not required.
2. If SPLSR criteria is below 0.04 or 0.10 (1-g or 10-g respectively) in all antenna pair (AG0 & AG1), additional evaluation is not required.

12.1.2.2 Extremity 10-g exposure (DSI = 0) Antenna group analysis

Condition#1

Antenna Group : AG0_Ant.A & Ant.A+B

Antenna Group		AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	Highest SAR	AG0	AG0	Highest SAR
Antenna		Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B	Ant.A+B		Ant.A	Ant.A	
RF exposure	Test position	GSM850	WCDMA B5	LTE B12	LTE B13	LTE B14	LTE B26	LTE B71	NR Bn26	NR Bn12	NR Bn71		NR Bn48-SRS3	NR Bn77-SRS3	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Extremity	Rear	1.365	1.459	1.219	1.287	1.407	1.374	1.007	1.568	1.306	0.912	1.568	0.258	0.379	0.379
	Front	1.255	1.297	1.417	1.637	1.425	1.453	1.334	1.452	1.164	1.216	1.637	0.476	0.592	0.592
	Top	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left	1.004	1.696	1.727	2.057	2.101	1.928	1.581	1.838	1.382	1.596	2.101	0.226	0.421	0.421
	Bottom	0.861	1.285	1.092	1.594	2.174	1.439	1.132	1.735	1.153	1.113	2.174	0.407	0.484	0.484
	Right	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Antenna Group : AG0_Ant.B

Antenna Group		AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	AG0	Highest SAR
Antenna		Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	Ant.B	
RF exposure	Test position	GSM1900	WCDMA B2	WCDMA B4	LTE B7	LTE B25	LTE B30	LTE B41	LTE B66	NR Bn7	NR Bn25	NR Bn30	NR Bn41(SRS0)	IR Bn41NSA(SRS1	NR Bn66	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Extremity	Rear	0.920	1.475	1.505	1.411	1.131	1.144	1.204	1.226	2.823	0.857	1.275	0.905	0.955	1.228	2.823
	Front	0.855	1.093	1.212	0.898	0.968	0.957	0.895	1.086	0.682	1.020	0.643	0.605	0.743	1.362	1.362
	Top	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left	0.129	0.644	0.313	0.209	0.543	0.128	0.163	0.308	0.315	0.365	0.170	0.097	0.135	0.311	0.644
	Bottom	1.608	2.705	2.700	3.038	2.435	2.298	2.624	2.426	2.713	1.952	2.985	1.547	1.808	1.958	3.038
	Right	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Antenna Group : AG0_Ant.C & Ant.D

Antenna Group		AG0	AG0	Highest SAR
Antenna		Ant.D	Ant.D	
RF exposure	Test position	NR Bn48-SRS1	NR Bn77-SRS1	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Extremity	Rear	0.321	0.682	0.682
	Front	0.309	0.654	0.654
	Top	0.000	0.000	0.000
	Left	0.000	0.000	0.000
	Bottom	0.265	0.944	0.944
	Right	0.000	0.000	0.000

Antenna Group		AG0	Highest SAR
Antenna		Ant.C	
RF exposure	Test position	NR Bn41-SRS2 NR Bn41NSA-SRS3	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Extremity	Rear	0.125	0.125
	Front	0.055	0.055
	Top	0.000	0.000
	Left	0.000	0.000
	Bottom	0.000	0.000
	Right	0.000	0.000

AG0's Highest SAR results

Antenna Group		AG0					Worst SAR
Antenna		Ant.A	Ant.A+B	Ant.B	Ant.C	Ant.D	
RF exposure	Test position						
Extremity	Rear	0.379	1.568	2.823	0.125	0.682	2.823
	Front	0.592	1.637	1.362	0.055	0.654	1.637
	Top	0.000	0.000	0.000	0.000	0.000	0.000
	Left	0.421	2.101	0.644	0.000	0.000	2.101
	Bottom	0.484	2.174	3.038	0.000	0.944	3.038
	Right	0.000	0.000	0.000	0.000	0.000	0.000

Antenna Group : AG1_Ant.F

Antenna Group		AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	Highest SAR
Antenna		Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	Ant.F	
RF exposure	Test position	LTE B48	NR Bn48(SRS0)	NR Bn77(SRS0)	LTE B7	LTE B25	LTE B30	LTE B41	LTE B66	NR Bn7	NR Bn25	NR Bn30	NR Bn66	NR Bn41-SRS1	NR Bn41NSA-SRS1	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Extremity	Rear	0.615	0.820	0.919	0.579	1.315	1.278	0.482	1.267	0.497	1.448	1.178	1.417	0.733	0.707	1.448
	Front	1.127	1.092	1.216	0.857	0.972	1.439	0.809	0.998	0.688	1.378	1.286	1.372	1.012	0.856	1.439
	Top	2.852	2.032	2.465	1.906	2.438	3.108	2.411	2.124	2.265	2.179	2.729	2.178	2.187	2.304	3.108
	Left	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Bottom	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Antenna Group : AG1_Ant.G & Ant.H & Ant.H+G & Ant.H+J

Antenna Group		AG1	AG1	AG1	AG1	Highest SAR
Antenna		Ant.G	Ant.G	Ant.G	Ant.G	
RF exposure	Test position	NR Bn48-SRS2	NR Bn77-SRS2	BT Ant.2	2.4G Ant.2	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Extremity	Rear	0.429	0.511	0.293	0.742	0.742
	Front	0.363	0.480	0.288	0.730	0.730
	Top	0.993	0.824	0.651	1.557	1.557
	Left	0.112	0.061	0.112	0.531	0.531
	Bottom	0.000	0.000	0.000	0.000	0.000
	Right	0.000	0.000	0.000	0.000	0.000

Antenna Group		AG1	AG1	Highest SAR
Antenna		Ant.H	Ant.H	
RF exposure	Test position	NR Bn41-SRS3 NR Bn41NSA-SRS2	BT Ant.1	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Extremity	Rear	0.096	0.212	0.212
	Front	0.193	0.398	0.398
	Top	0.031	0.000	0.031
	Left	0.171	0.463	0.463
	Bottom	0.000	0.000	0.000
	Right	0.000	0.000	0.000

Antenna Group		AG1	Highest SAR	AG1	AG1	Highest SAR
Antenna		Ant.H+G		Ant.H+J	Ant.H+J	
RF exposure	Test position	2.4G MIMO		5G MIMO	6G MIMO	
		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)		If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	If Plimit < Pmax, (Reported SAR x Multi-Tx factor)	
Extremity	Rear	0.811	0.811	1.728	0.097	1.728
	Front	0.757	0.757	1.284	0.162	1.284
	Top	1.398	1.398	0.419	0.034	0.419
	Left	1.245	1.245	1.209	0.053	1.209
	Bottom	0.000	0.000	0.000	0.000	0.000
	Right	0.000	0.000	0.000	0.000	0.000

AG1's Highest SAR results

Antenna Group		AG1					Worst SAR
Antenna		Ant.F	Ant.G	Ant.H	Ant.H+G	Ant.H+J	
RF exposure	Test position						
Extremity	Rear	1.448	0.742	0.212	0.811	1.728	1.728
	Front	1.439	0.730	0.398	0.757	1.284	1.439
	Top	3.108	1.557	0.031	1.398	0.419	3.108
	Left	0.000	0.531	0.463	1.245	1.209	1.245
	Bottom	0.000	0.000	0.000	0.000	0.000	0.000
	Right	0.000	0.000	0.000	0.000	0.000	0.000

Summation of AG0 and AG1

RF expsoure Condition		AG0						AG1						SUM	FCC Limit
		Ant.A	Ant.A+B	Ant.B	Ant.C	Ant.D	Worst	Ant.F	Ant.G	Ant.H	Ant.H+G	Ant.H+J	Worst		
Extremity 10-g	Rear	0.379	1.568	2.823	0.125	0.682	**2.823**	1.448	0.742	0.212	0.811	1.728	**1.728**	4.551	4.0
	Front	0.592	1.637	1.362	0.055	0.654	**1.637**	1.439	0.730	0.398	0.757	1.284	**1.439**	3.076	
	Top	0.000	0.000	0.000	0.000	0.000	**0.000**	3.108	1.557	0.031	1.398	0.419	**3.108**	3.108	
	R/Left	0.421	2.101	0.644	0.000	0.000	**2.101**	0.000	0.531	0.463	1.245	1.209	**1.245**	3.346	
	Bottom	0.484	2.174	3.038	0.000	0.944	**3.038**	0.000	0.000	0.000	0.000	0.000	**0.000**	3.038	
	R/Right	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	

Note(s):

1. Additional evaluation is required due to over FCC limit. So please refer to Condition#2.

Condition#2

Test position	No.	Antenna pairs		AG0		AG1		AG0+AG1 SUM SAR (W/kg)	SPLSR of AG0 & AG1
		AG0	AG1	SAR (W/kg)	Y-axis location (mm)	SAR (W/kg)	Y-axis location (mm)		
Rear	1	Ant.A	Ant.F	0.379	N/A	1.448	N/A	1.827	N/A
	2	Ant.A	Ant.G	0.379	N/A	0.742	N/A	1.121	N/A
	3	Ant.A	Ant.H	0.379	N/A	0.212	N/A	0.591	N/A
	4	Ant.A	Ant.H+G	0.379	N/A	0.811	N/A	1.190	N/A
	5	Ant.A	Ant.H+J	0.379	N/A	1.728	N/A	2.107	N/A
	6	Ant.A+B	Ant.F	1.568	N/A	1.448	N/A	3.016	N/A
	7	Ant.A+B	Ant.G	1.568	N/A	0.742	N/A	2.310	N/A
	8	Ant.A+B	Ant.H	1.568	N/A	0.212	N/A	1.780	N/A
	9	Ant.A+B	Ant.H+G	1.568	N/A	0.811	N/A	2.379	N/A
	10	Ant.A+B	Ant.H+J	1.568	N/A	1.728	N/A	3.296	N/A
	11	Ant.B	Ant.F	2.823	-66.5	1.448	73.0	4.271	0.06
	12	Ant.B	Ant.G	2.823	N/A	0.742	N/A	3.565	N/A
	13	Ant.B	Ant.H	2.823	N/A	0.212	N/A	3.035	N/A
	14	Ant.B	Ant.H+G	2.823	N/A	0.811	N/A	3.634	N/A
	15	Ant.B	Ant.H+J	2.823	-66.5	1.728	59.9	4.551	0.08
	16	Ant.C	Ant.F	0.125	N/A	1.448	N/A	1.573	N/A
	17	Ant.C	Ant.G	0.125	N/A	0.742	N/A	0.867	N/A
	18	Ant.C	Ant.H	0.125	N/A	0.212	N/A	0.337	N/A
	19	Ant.C	Ant.H+G	0.125	N/A	0.811	N/A	0.936	N/A
	20	Ant.C	Ant.H+J	0.125	N/A	1.728	N/A	1.853	N/A
	21	Ant.D	Ant.F	0.682	N/A	1.448	N/A	2.130	N/A
	22	Ant.D	Ant.G	0.682	N/A	0.742	N/A	1.424	N/A
	23	Ant.D	Ant.H	0.682	N/A	0.212	N/A	0.894	N/A
	24	Ant.D	Ant.H+G	0.682	N/A	0.811	N/A	1.493	N/A
	25	Ant.D	Ant.H+J	0.682	N/A	1.728	N/A	2.410	N/A

Highest Reported SAR and Peak SAR location (only Y-axis location) in each WWAN&WLAN Bands in each Antennas

Antenna Group	Antenna	Bands	SAR (W/kg)	Y-axis(mm) from ERP point
AG0	Ant.B	GSM1900	0.920	-82.0
		WCDMA B2	1.475	-82.4
		WCDMA B4	1.505	-82.4
		LTE B7	1.411	-73.1
		LTE B25	1.131	-79.3
		LTE B30	1.144	-82.9
		LTE B41	1.204	-73.1
		LTE B66	1.226	-79.1
		NR Bn7	2.823	-73.8
		NR Bn25	**0.857**	-78.5
		NR Bn30	1.275	-77.6
		NR Bn41(SRS0)	0.905	-73.2
		NR Bn41NSA(SRS1)	0.955	**-66.5**
		NR Bn66	1.228	-80.0
		Worst configuration	**2.823**	**-66.5**

Antenna Group	Antenna	Bands	SAR (W/kg)	Y-axis(mm) from ERP point
AG1	Ant.H+J	5G MIMO	**1.728**	61.2
		6G MIMO	0.097	**59.9**
		Worst configuration	**1.728**	**59.9**
	Ant.F	LTE B48	0.615	75.5
		NR Bn48(SRS0)	0.820	77.0
		NR Bn77(SRS0)	0.919	**73.0**
		LTE B7	0.579	79.7
		LTE B25	1.315	76.7
		LTE B30	1.278	77.0
		LTE B41	0.482	80.6
		LTE B66	1.267	76.7
		NR Bn7	0.497	82.8
		NR Bn25	**1.448**	75.7
		NR Bn30	1.178	75.6
		NR Bn66	1.417	79.8
		NR Bn41(SRS1)	0.733	76.7
		NR Bn41NSA(SRS1)	0.707	76.7
		Worst configuration	**1.448**	**73.0**

Note(s):

1. If Antenna pair's SUM SAR results are below 1.6 or 4.0 W/kg (1-g or 10-g respectively), then Condition#2 is not required.
2. If SPLSR criteria is below 0.04 or 0.10 (1-g or 10-g respectively) in all antenna pair (AG0 & AG1), additional evaluation is not required.

Conclusion:

1. Folder Closed (Phablet) condition (DSI = 1, 3) : AG0+AG1+ER's sum is below FCC limit. So additional analysis is not required for AG0 and AG1.
2. Folder Opened (UMPC mini tablet) condition (DSI = 0) : Sub6 antenna group is demonstrated to show that AG0 is mutually exclusive from AG1 in Rear side of both Body and Extremity 10-g according to SPLSR criteria. In other test positions, AG0+AG1+ER's sum is below FCC limit. So additional analysis is not required for AG0 and AG1.

Simultaneous transmission SAR test exclusion considerations

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.

12.2. Simultaneous transmission analysis

ER(External Radio) only evaluated at Product Specific 10-g of Folder Closed (Phablet) condition and Extremity 10-g of Folder Opened (UMPC mini tablet) condition.

12.2.1. Product Specific 10-g exposure condition

AG0+AG1+ER

RF Exposure	Test Position	Highest SAR of each groups (W/kg)				SUM SAR (W/kg)	SUM SAR (For UNII 6e) (W/kg)
		AG0	AG1	ER-NFC	ER-UWB		
Product Specific10-g	Rear	0.000	1.605	0.014	0.000	1.619	0.097
	Front	0.000	0.196	0.000	0.000	0.196	0.008
	Top	0.000	0.265		0.000	0.265	0.003
	Left	0.000	1.011	0.000		1.011	0.089
	Bottom	0.000	0.000	0.000		0.000	0.000
	Right	0.000	0.044	0.000	0.000	0.044	0.004

12.2.2. Extremity 10-g exposure condition

AG0+AG1+ER

RF Exposure	Test Position	Highest SAR of each groups (W/kg)				SUM SAR (W/kg)	SUM SAR (For UNII 6e) (W/kg)	
		AG0	AG1	ER-NFC	ER-UWB			
Extremity 10-g	Rear	2.823	0.811	0.014	0.001	3.649	3.649	***Note.1***
	Front	1.637	1.439	0.000	0.001	3.077	3.077	
	Top	0.000	3.108		0.000	3.108	3.108	
	Left	2.101	1.245	0.000		3.346	3.346	
	Bottom	3.038	0.000	0.000		3.038	3.038	
	Right	0.000	0.000			0.000	0.000	

Note(s):
1. For Rear side of simultaneous transmission analysis, the highest value in AG0+AG1 was used according to Antenna grouping evaluation. The highest value refer to condition#2 of section 12.1.2.2
2. UWB SAR data refer to 4790748041-S2V1 FCC Report_Above 6GHz.

Conclusion:

Simultaneous Transmission SAR analysis results is satisfied the FCC Limit requirement.

Appendixes

Refer to separated files for the following appendixes.

4790748041-S1 FCC Report SAR_App A_Photos & Ant. Locations

4790748041-S1 FCC Report SAR_App B_Highest SAR Test Plots

4790748041-S1 FCC Report SAR_App C_System Check Plots

4790748041-S1 FCC Report SAR_App D_SAR Tissue Ingredients

4790748041-S1 FCC Report SAR_App E_Probe Cal. Certificates

4790748041-S1 FCC Report SAR_App F_Dipole Cal. Certificates

4790748041-S1 FCC Report SAR_App G_LTE Carrier Aggregation

4790748041-S1 FCC Report SAR_App H_Dynamic Antenna tuner testing

END OF REPORT