



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-F956U, SM-F956U1

FCC ID: A3LSMF956U

REPORT NUMBER: 4791196575-S1V4

ISSUE DATE: 5/23/2024

Prepared for
SAMSUNG ELECTRONICS CO., LTD.
129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,
GYEONGGI-DO, 16677, KOREA

Prepared by
UL Korea, Ltd.
26th floor, 152, Teheran-ro, Gangnam-gu Seoul, 06236, Korea

Suwon Test Site: UL Korea, Ltd. Suwon Laboratory
218 Maeyeong-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16675, Korea
TEL: (031) 337-9902
FAX: (031) 213-5433



Testing Laboratory

TL-637

Revision History

Rev.	Date	Revisions	Revised By
V1	4/30/2024	Initial Issue	--
V2	5/3/2024	Revised table in Sec.6.2. Added note in Sec.6.5 Revised note.1 in Sec.6.8. Revised SAR results in Sec.1.1 & Sec.10 & Sec.12.	Sunghoon Kim
V3	5/8/2024	Revised BT MIMO Target in Sec 6.3.	Sunghoon Kim
V4	5/23/2024	Revised Simultaneous TX SAR results of UMPC-mini tablet in Sec.1.1.	Sunghoon Kim

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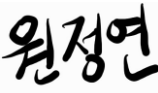
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1. Attestation of Test Results

Applicant Name		SAMSUNG ELECTRONICS CO.,LTD.					
FCC ID		A3LSMF956U					
Model Number		SM-F956U, SM-F956U1					
Applicable Standards		FCC 47 CFR § 2.1093 IEEE Std 1528-2013 Published RF exposure KDB procedures					
Exposure Category		SAR Limits (W/Kg)					
		1g SAR			10g SAR		
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	1.08	1.11	0.51	0.67	0.27	N/A
	Body-worn	0.85	0.37	0.54	0.59	0.33	N/A
	Hotspot	1.20	0.46	0.69	0.32	0.46	N/A
	Product Specific 10g	N/A	N/A	N/A	1.36	N/A	< 0.10
UMPC-mini tablet	Body	1.14	1.00	0.55	0.52	0.37	N/A
	Extremity 10g	3.14	3.14	2.57	1.69	1.87	< 0.10
Simultaneous TX of Phablet	Head	1.58	1.58	1.58	1.58	1.58	N/A
	Body-worn	1.54	1.54	1.54	1.54	1.54	N/A
	Hotspot	1.57	1.57	1.57	1.57	1.57	N/A
	Product Specific 10g	1.05	1.05	1.05	1.05	1.05	1.05
Simultaneous TX of UMPC-mini tablet	Body	1.58	1.58	1.58	1.58	1.58	N/A
	Extremity 10g	3.99	3.99	3.99	3.99	3.99	3.99
Date Tested		2/20/2024 to 4/26/2024					
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	Jeongyeon Won 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 Exposure condition	Hotspot Exposure condition	Product Specific Exposure condition	Body Exposure condition	Extremity Exposure condition
PCE	GSM 850	Ant.A & Ant.(A+B)	0.255	0.515	0.536	N/A	0.779	1.579
	GSM 1900	Ant.B	0.075	0.386	0.577	N/A	0.794	2.156
	WCDMA Band II	Ant.B	0.102	0.845	1.198	N/A	1.027	3.139
	WCDMA Band IV	Ant.B	0.159	0.740	0.983	N/A	0.863	2.362
	WCDMA Band V	Ant.A & Ant.(A+B)	0.212	0.459	0.490	N/A	0.722	1.796
	LTE Band 71	Ant.A & Ant.(A+B)	0.111	0.449	0.646	N/A	0.449	1.668
	LTE Band 12	Ant.A & Ant.(A+B)	0.178	0.338	0.442	N/A	0.536	2.039
	LTE Band 13	Ant.A & Ant.(A+B)	0.117	0.421	0.434	N/A	0.509	1.723
	LTE Band 14	Ant.A & Ant.(A+B)	0.118	0.358	0.417	N/A	0.661	1.727
	LTE Band 5	Ant.A & Ant.(A+B)	0.183	0.503	0.503	N/A	0.739	1.713
	LTE Band 26	Ant.A & Ant.(A+B)	0.174	0.462	0.462	N/A	0.541	1.999
	LTE Band 66(4)	Ant.B	0.173	0.691	1.089	N/A	0.830	2.596
	LTE Band 25(2)	Ant.B	0.135	0.767	1.140	N/A	1.018	3.091
	LTE Band 30	Ant.B	0.102	0.599	1.188	N/A	0.724	2.063
	LTE Band 7	Ant.B	0.165	0.745	0.923	N/A	1.139	2.912
	LTE Band 41(38)	Ant.B	0.065	0.479	1.168	N/A	0.993	1.977
	NR Band n71	Ant.A & Ant.(A+B)	0.205	0.372	0.488	N/A	0.490	2.008
	NR Band n12	Ant.A & Ant.(A+B)	0.172	0.353	0.429	N/A	0.524	2.176
	NR Band n5	Ant.A & Ant.(A+B)	0.187	0.412	0.412	N/A	0.700	1.829
	NR Band n26	Ant.A & Ant.(A+B)	0.157	0.465	0.465	N/A	0.722	1.809
	NR Band n7	Ant.B	0.115	0.533	0.713	N/A	1.010	3.090
	NR Band n66	Ant.B	0.174	0.713	1.153	N/A	0.839	2.833
	NR Band n25(n2)	Ant.B	0.120	0.700	1.048	N/A	1.106	3.123
	NR Band n30	Ant.B	0.056	0.545	0.857	N/A	0.759	2.347
	NR Band n70	Ant.B	0.171	0.599	0.645	N/A	0.662	1.758
	GSM 850	Ant.D	0.218	0.362	0.362	N/A	0.457	1.378
	WCDMA Band V	Ant.D	0.229	0.315	0.315	N/A	0.519	1.480
	LTE Band 71	Ant.D	0.309	0.361	0.361	N/A	0.382	1.630
	LTE Band 12	Ant.D	0.345	0.271	0.306	N/A	0.349	1.595
	LTE Band 13	Ant.D	0.284	0.160	0.176	N/A	0.373	1.341
	LTE Band 14	Ant.D	0.137	0.294	0.294	N/A	0.375	1.212
	LTE Band 5	Ant.D	0.228	0.313	0.313	N/A	0.520	1.620
	LTE Band 26	Ant.D	0.267	0.263	0.275	N/A	0.465	1.592
	LTE Band 66(4)	Ant.E	0.629	0.545	0.675	N/A	0.788	2.396
	LTE Band 25(2)	Ant.E	0.952	0.518	0.670	N/A	0.588	1.878
	LTE Band 30	Ant.E	1.075	0.469	0.675	N/A	0.990	2.048
	LTE Band 7	Ant.E	0.683	0.277	0.409	N/A	0.759	2.547
	LTE Band 41(38)	Ant.E	N/A	0.181	0.364	N/A	0.749	2.309
	NR Band n71	Ant.D	0.260	0.242	0.270	N/A	0.349	1.301
	NR Band n12	Ant.D	0.301	0.216	0.278	N/A	0.363	1.896
	NR Band n5	Ant.D	0.199	0.330	0.330	N/A	0.450	1.799
	NR Band n26	Ant.D	0.232	0.268	0.268	N/A	0.405	1.504
	NR Band n7	Ant.E	0.786	0.396	0.457	N/A	0.803	2.866
	NR Band n66	Ant.E	0.745	0.473	0.722	N/A	0.782	2.058
	NR Band n25(n2)	Ant.E	0.989	0.477	0.880	N/A	0.636	2.002
NR Band n30	Ant.E	1.043	0.463	0.673	N/A	0.916	1.720	
NR Band n70	Ant.E	0.796	0.695	0.727	N/A	0.986	2.451	
NR Band n41(n38)#SRS0/1	Ant.E	0.432	0.230	0.407	N/A	0.638	2.233	
NR Band n41#SRS0/1	Ant.B	0.074	0.617	0.920	N/A	0.792	2.897	
NR Band n41#SRS2/3	Ant.C	0.000	0.069	0.088	N/A	0.145	0.766	
NR Band n41#SRS2/3	Ant.G	0.000	0.013	0.013	N/A	0.072	0.203	
NR Band n77(n78)#SRS0	Ant.E	0.718	0.292	0.529	N/A	0.716	2.987	
NR Band n77(n78)#SRS1	Ant.C	0.000	0.169	0.286	N/A	0.462	1.992	
NR Band n77(n78)#SRS2	Ant.F	0.137	0.261	0.261	N/A	0.289	0.883	
NR Band n77(n78)#SRS3	Ant.A	0.007	0.191	0.191	N/A	0.222	0.982	
CBE	LTE Band 48	Ant.E	1.108	0.371	0.428	N/A	0.995	3.040
	NR Band n48#SRS0	Ant.E	1.069	0.342	0.458	N/A	0.751	3.135
	NR Band n48#SRS1	Ant.C	0.001	0.187	0.187	N/A	0.186	0.941
	NR Band n48#SRS2	Ant.F	0.140	0.199	0.199	N/A	0.190	0.801
NR Band n48#SRS3	Ant.A	0.001	0.078	0.104	N/A	0.286	1.010	
DTS	2.4GHz WLAN		0.507	0.537	0.686	N/A	0.548	2.573
UNII	5GHz WLAN		0.669	0.585	0.320	1.362	0.519	1.693
DSS	Bluetooth		0.265	0.325	0.463	N/A	0.372	1.867
DXX	NFC		N/A	N/A	N/A	0.010	N/A	0.012

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
- 971168 D01 Power Meas License Digital System v03r01
- 941225 D07 UMPC Mini Tablet v01r02

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](#) April, 2022; RF Exposure Procedures (Sum-Peak Location Separation Ratio)
- [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 7 Room
SAR 2 Room	SAR 8 Room
SAR 3 Room	SAR 9 Room
SAR 4 Room	SAR 17 Room
SAR 5 Room	SAR 19 Room

UL Korea, Ltd. is accredited by IAS, Laboratory Code TL-637.

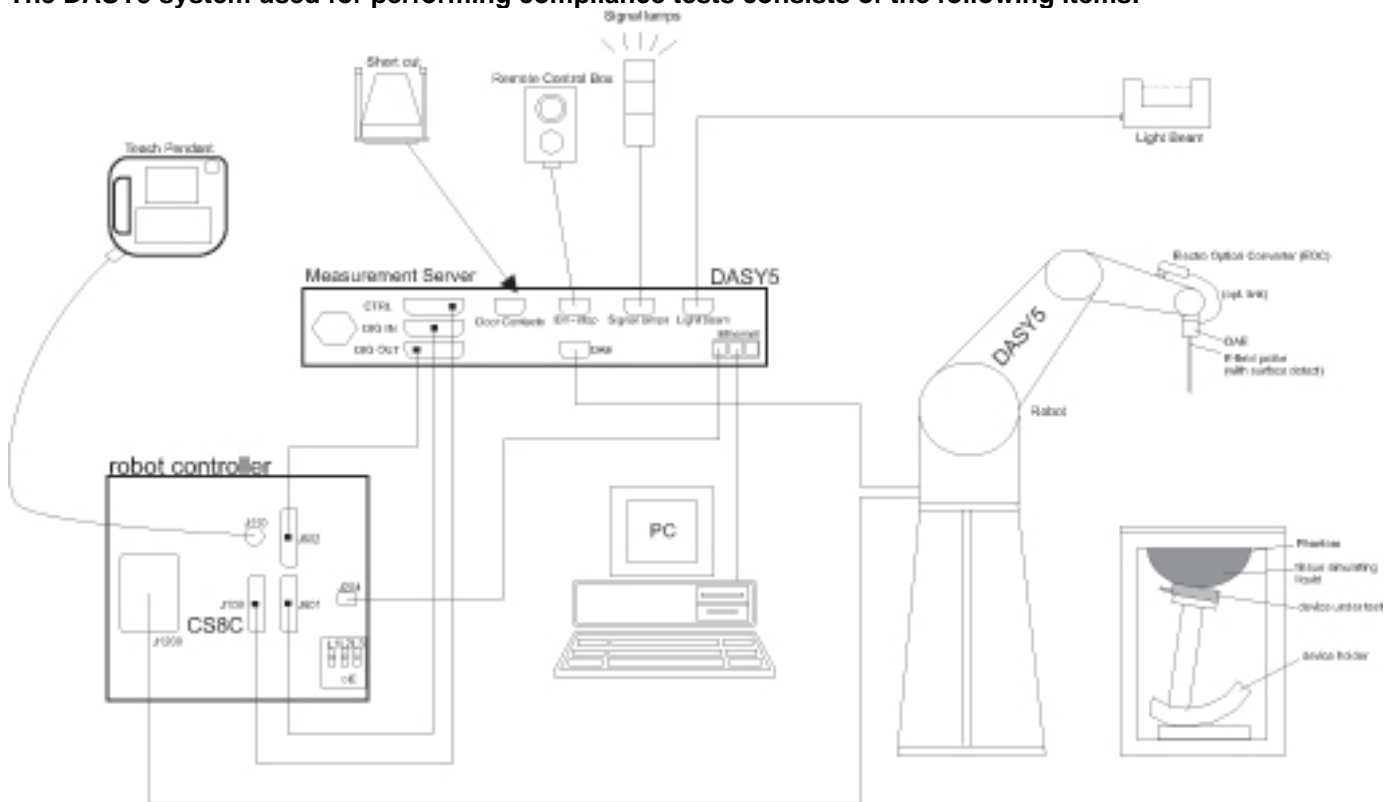
The full scope of accreditation can be viewed at;

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

4. SAR Measurement System & Test Equipment

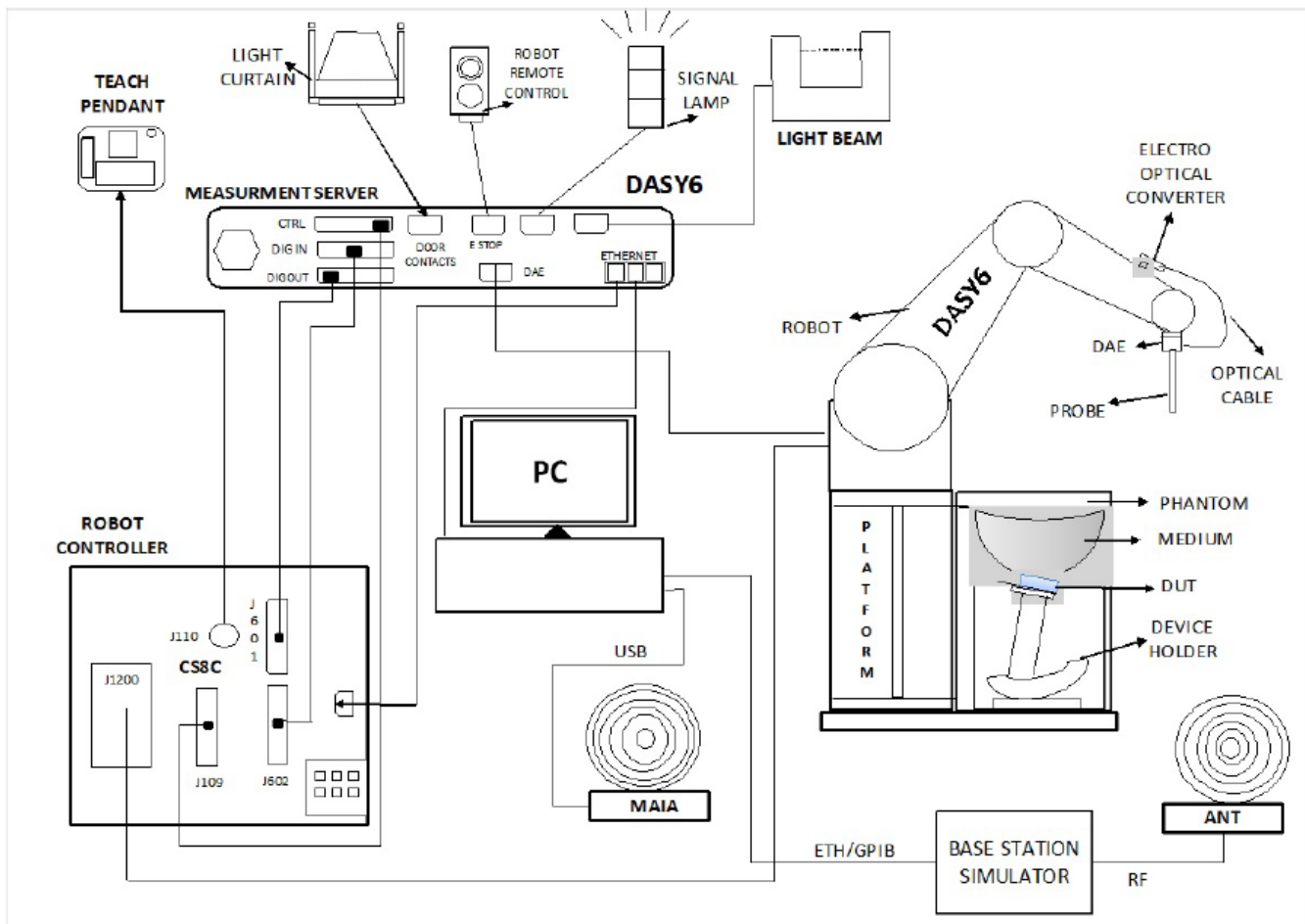
4.1. SAR Measurement System

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.

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- 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	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 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: $\Delta x_{Zoom}, \Delta y_{Zoom}$		≤ 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 1 st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z	≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm	
<p>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.</p> <p>* When zoom scan is required and the <i>reported</i> SAR from the <i>area scan based 1-g SAR estimation</i> procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.</p>				

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	7-24-2024
Network Analyzer	ROHDE & SCHWARZ	ZNB 20	102256	7-24-2024
Dielectric Assessment Kit	SPEAG	DAK-12	1158	9-20-2024
Dielectric Assessment Kit	SPEAG	DAK-3.5	1133	3-20-2024
Dielectric Assessment Kit	SPEAG	DAK-3.5	1133	3-12-2025
Dielectric Assessment Kit	SPEAG	DAK-3.5	1134	4-24-2024
Dielectric Assessment Kit	SPEAG	DAK-3.5	1196	7-17-2024
Vector Network Analyzer	SPEAG	DAKS_VNA R140	SN0050221	4-26-2024
Vector Network Analyzer	SPEAG	DAKS_VNA R140	SN0060221	3-21-2025
Vector Network Analyzer	SPEAG	DAKS_VNA R140	SN0060221	4-26-2024
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	7-25-2024
Thermometer	LKM	DTM3000	3862	7-25-2024

System Check

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
MXG Analog Signal Generator	Aglient	N5181A	MY50145882	7-26-2024
MXG Analog Signal Generator	Keysight	N5181B	MY59100587	7-26-2024
MXG Analog Signal Generator	Keysight	N5173B	MY59101083	7-27-2024
MXG Analog Signal Generator	Aglient	E8257D	MY53400994	7-24-2024
Power Sensor	KEYSIGHT	U2000A	MY60180020	7-26-2024
Power Sensor	KEYSIGHT	U2000A	MY60490008	7-25-2024
Power Sensor	KEYSIGHT	U2000A	MY60160004	7-25-2024
Power Sensor	KEYSIGHT	U2000A	MY61010006	7-25-2024
Power Sensor	KEYSIGHT	U2000A	MY61010010	7-25-2024
Power Sensor	KEYSIGHT	U2004A USB Sensor	MY61200006	1-3-2025
Power Sensor	KEYSIGHT	U2004A USB Sensor	MY61280010	1-3-2025
Power Amplifier	EXODUS	AMP2027	1410025-AMP2027-10003	2-14-2025
Power Amplifier	MIN-CIRCUITS	TVA-R5-13A+	2111006	1-3-2025
Power Amplifier	EXODUS	AMP2027ADB	10002	1-5-2025
Power Amplifier	Sambo	BA00T60W2D	S3010-0001	2-21-2025
Directional Coupler	Aglient	772D	MY52180193	7-25-2024
Directional Coupler	H.P	778D	16133	7-25-2024
Directional Coupler	NARDA	4216-10	2835	7-25-2024
Directional Coupler	MIN-CIRCUITS	ZMDC-30-1+	SF569102123	7-25-2024
Directional Coupler	MIN-CIRCUITS	ZUDC20-183+	N/A	7-24-2024
Directional Coupler	MIN-CIRCUITS	ZUDC20-183+	N/A	7-24-2024
Directional Coupler	KRYTAR	100318010	215541	1-4-2025
Directional Coupler	KRYTAR	100318010	215542	1-4-2025
Directional Coupler	MIN-CIRCUITS	ZMDC10-83-S+	2316	2-28-2025
Directional Coupler	MIN-CIRCUITS	ZMDC10-83-S+	2316	2-28-2025
Low Pass Filter	FILTRON	L14012FL	1410003S	7-25-2024
Low Pass Filter	MICROLAB	LA-60N	3942	7-25-2024
Low Pass Filter	MICROLAB	LA-15N	3943	7-25-2024
Low Pass Filter	MIN-CIRCUITS	VLF-6000+	S0141	7-25-2024
Low Pass Filter	MIN-CIRCUITS	VLF-6000+	S0142	7-25-2024
Low Pass Filter	MIN-CIRCUITS	VLF-3000+	S0143	7-25-2024
Low Pass Filter	MIN-CIRCUITS	NLP-1200+	VUU19301915	1-4-2025
Low Pass Filter	MIN-CIRCUITS	NLP-1200+	VUU19301915	1-4-2025
Low Pass Filter	MIN-CIRCUITS	NLP-1200	VUU19301915	7-25-2024
Low Pass Filter	KRYTAR	WLKX10-11000-13640-21000-60TS	1	7-25-2024
Low Pass Filter	MIN-CIRCUITS	VLF-1500+	32333	2-28-2025
Low Pass Filter	MIN-CIRCUITS	VLF-1500+	32241	2-28-2025
Low Pass Filter	MIN-CIRCUITS	VLF-3000+	32226	2-28-2025
Attenuator	KEYSIGHT	BW-S3W10+	N/A	1-4-2025
Attenuator	KEYSIGHT	8491B003	MY39272275	7-25-2024
Attenuator	KEYSIGHT	8491B003	MY39272277	7-24-2024
Attenuator	KEYSIGHT	8491B/003	VE2017A0283	7-25-2024
Attenuator	KEYSIGHT	8491B/003	MY39272276	7-25-2024
Attenuator	KEYSIGHT	8491B/010	MY39271981	7-24-2024
Attenuator	KEYSIGHT	8491B/010	MY39272011	7-25-2024
Attenuator	KEYSIGHT	8491B010	MY39272293	7-25-2024
Attenuator	KEYSIGHT	8491B010	MY39272306	7-24-2024
Attenuator	KEYSIGHT	8491B020	MY39272300	7-25-2024
Attenuator	KEYSIGHT	8491B/020	MY39272301	7-25-2024
Attenuator	KEYSIGHT	8491B/020	MY39272302	7-24-2024
Attenuator	KEYSIGHT	8491B/020	MY39271973	7-25-2024
Attenuator	KEYSIGHT	8491B020	MY39272300	7-6-2024

Note(s):

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

Test Equipment (Continued)

E-Field Probe	SPEAG	EX3DV4	7313	2-21-2025
E-Field Probe	SPEAG	EX3DV4	7314	5-26-2024
E-Field Probe	SPEAG	EX3DV4	7330	1-22-2025
E-Field Probe	SPEAG	EX3DV4	7376	7-25-2024
E-Field Probe	SPEAG	EX3DV4	7545	8-25-2024
E-Field Probe	SPEAG	EX3DV4	7645	9-20-2024
E-Field Probe	SPEAG	EX3DV4	7651	5-30-2024
E-Field Probe	SPEAG	EX3DV4	7651	3-18-2025
E-Field Probe	SPEAG	EX3DV4	7646	3-23-2024
E-Field Probe	SPEAG	EX3DV4	7646	3-15-2025
E-Field Probe	SPEAG	EX3DV4	7652	4-24-2024
E-Field Probe	SPEAG	EX3DV4	3871	8-25-2024
E-Field Probe	SPEAG	EX3DV4	7811	5-3-2024
E-Field Probe	SPEAG	EX3DV4	7850	10-27-2024
Data Acquisition Electronics	SPEAG	DAE4	1447	3-22-2024
Data Acquisition Electronics	SPEAG	DAE4	1447	3-13-2025
Data Acquisition Electronics	SPEAG	DAE4	1468	8-24-2024
Data Acquisition Electronics	SPEAG	DAE4	1494	7-17-2024
Data Acquisition Electronics	SPEAG	DAE4	1591	2-16-2025
Data Acquisition Electronics	SPEAG	DAE4	1670	5-24-2024
Data Acquisition Electronics	SPEAG	DAE4	1667	4-24-2024
Data Acquisition Electronics	SPEAG	DAE4	1667	3-14-2025
Data Acquisition Electronics	SPEAG	DAE4	1668	4-26-2024
Data Acquisition Electronics	SPEAG	DAE4	1798	5-2-2024
Data Acquisition Electronics	SPEAG	DAE4	1675	5-11-2024
Data Acquisition Electronics	SPEAG	DAE4	614	3-21-2024
Data Acquisition Electronics	SPEAG	DAE4	912	11-17-2024
Data Acquisition Electronics	SPEAG	DAE4	474	11-10-2024
System Validation Dipole	SPEAG	CLA -13	1015	8-22-2024
System Validation Dipole	SPEAG	D750V3	1205	4-18-2025
System Validation Dipole	SPEAG	D750V3	1122	2-22-2025
System Validation Dipole	SPEAG	D835V2	4d194	3-24-2024
System Validation Dipole	SPEAG	D835V2	4d194	3-11-2025
System Validation Dipole	SPEAG	D835V2	4d174	9-21-2024
System Validation Dipole	SPEAG	D1750V2	1125	11-30-2024
System Validation Dipole	SPEAG	D1900V2	5d190	11-16-2024
System Validation Dipole	SPEAG	D1900V2	5d199	3-25-2024
System Validation Dipole	SPEAG	D1900V2	5d199	3-13-2025
System Validation Dipole	SPEAG	D2300V2	1090	11-15-2024
System Validation Dipole	SPEAG	D2450V2	939	7-19-2024
System Validation Dipole	SPEAG	D2450V2	960	3-24-2024
System Validation Dipole	SPEAG	D2450V2	960	3-14-2025
System Validation Dipole	SPEAG	D5GHzV2	1184	11-23-2024
System Validation Dipole	SPEAG	D5GHzV2	1325	4-21-2025
System Validation Dipole	SPEAG	D5GHzV2	1209	2-28-2025
System Validation Dipole	SPEAG	D3500V2	1121	4-20-2025
System Validation Dipole	SPEAG	D3500V2	1075	5-19-2024
System Validation Dipole	SPEAG	D3700V2	1036	5-19-2024
System Validation Dipole	SPEAG	D1750V2	1180	9-21-2024
System Validation Dipole	SPEAG	D2300V2	1115	4-25-2025
System Validation Dipole	SPEAG	D2600V2	1178	4-25-2025
System Validation Dipole	SPEAG	D2600V2	1097	9-26-2024
System Validation Dipole	SPEAG	D3900V2	1069	4-21-2025
Thermometer	Lutron	MHB-382SD	AH.50215	1-4-2025
Thermometer	Lutron	MHB-382SD	AH.50213	1-4-2025
Thermometer	Lutron	MHB-382SD	AH.91463	1-4-2025
Thermometer	Lutron	MHB-382SD	AJ.42446	7-31-2024
Thermometer	Lutron	MHB-382SD	AK.12102	7-31-2024
Thermometer	Lutron	MHB-382SD	AK.12103	7-31-2024
Thermometer	Lutron	MHB-382SD	AK.12123	1-8-2025
Thermometer	Lutron	MHB-382SD	AK.18789	7-31-2024
Thermometer	Lutron	MHB-382SD	AJ.45903	1-8-2025

Others

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Base Station Simulator	R & S	CMW500	150313	7-27-2024
Base Station Simulator	R & S	CMW500	150314	7-26-2024
Base Station Simulator	R & S	CMW500	162790	7-26-2024
Base Station Simulator	R & S	CMW500	169803	3-25-2025
Base Station Simulator	R & S	CMW500	169801	1-3-2025
Base Station Simulator	R & S	CMW500	169802	1-3-2025
Base Station Simulator	R & S	CMW500	169799	7-26-2024
Base Station Simulator	R & S	CMW500	169800	7-27-2024
UXM 5G Wireless Test Platform	KEY SIGHT	E7515B	MY 57510596	7-27-2024
UXM 5G Wireless Test Platform	KEY SIGHT	E751B	MY 59150850	1-3-2025
UXM 5G Wireless Test Platform	KEY SIGHT	E751B	MY 57510655	1-3-2025
UXM 5G Wireless Test Platform	KEY SIGHT	E7515B	MY 58120110	1-3-2025
Radio Communication Test Station	Anritsu	MT8000A	6272466165	10-18-2024
Radio Communication Analyzer	Anritsu	MT8821C	6161094351	11-30-2024

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(d,k)	f	g	h =	l =	k	
		Tol. 1 g (±%)	Tol. 10 g (±%)					1 g ui (±%)	10 g ui (±%)		
Uncertainty component	Reference			Prob. Dist.	Div.	ci (1 g)	ci (10 g)			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	1.0	2.3	Normal	1	1	1	1.0	2.3	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 U _c (y) =								RSS	12.16	12.23	
Expanded Uncertainty U, Coverage Factor = 2, > 95 % Confidence =									24.33	24.47	

5.1. DECISION RULE

Measurement Uncertainty is not applied when providing statements of conformity in accordance with IEC Guide 115:2023, 4.3.3.

6. Device Under Test (DUT) Information

6.1. DUT Description

Device Dimension	Refer to Appendix A.					
Back Cover	<input checked="" type="checkbox"/> The Back Cover is not removable.					
Battery Options	<input checked="" type="checkbox"/> 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. <input checked="" type="checkbox"/> Mobile Hotspot (Wi-Fi 2.4 GHz) <input checked="" type="checkbox"/> Mobile Hotspot (Wi-Fi 5.8 GHz)					
Wi-Fi Direct	Wi-Fi Direct enabled devices transfer data directly between each other <input checked="" type="checkbox"/> Wi-Fi Direct (Wi-Fi 2.4 GHz) <input checked="" type="checkbox"/> 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	R3CX10W5QTA	Main Conducted	17	R3CX10W6HGN	SAR
	2	R3CX10W5QSL	Main Conducted	18	R3CX10W6FKP	SAR
	3	R3CX10W6HGN	Main Conducted	19	R3CX10W6FGD	SAR
	4	R3CX10W667B	Main Conducted	20	R3CX10W67SK	SAR
	5	R3CX10W6B5H	Main Conducted	21	R3CX10W67LY	SAR
	6	R3CX10W6AFM	Main Conducted	22	R3CX10W67VJ	SAR
	7	R3CX10W6AAY	Main Conducted	23	R3CX10W66TD	SAR
	8	R3CX20PP64W	Main Conducted	24	R3CX10W66EA	SAR
	9	R3CX10EN7PY	Main Conducted	25	R3CX10W667B	SAR
	10	R3CX10EN7RW	Main Conducted	26	R3CX10W671Y	SAR
	11	R3CX10EN7QE	Main Conducted	27	R3CX10W66AT	SAR
	12	R3CX10EN7MF	Main Conducted	28	R3CX309QS78	SAR
	13	R3CX10EN7KL	Main Conducted	29	R3CX309QPXD	SAR
	14	R3CX309P6KK	Main Conducted	30	R3CX309QS6K	SAR
	15	7b456b5547507ece	BT Conducted	31	R3CX309QQWF	SAR
	16	7b456b5517507ece	WLAN Conducted	32	R3CX309QPCP	SAR
			33	R3CX309QP1V	SAR	

6.2. Wireless Technologies

Wireless technologies	Frequency bands	Operating mode		Duty Cycle used for SAR testing
GSM	850 1900	Voice (GMSK)	GPRS Multi-Slot Class:	GSM Voice: 12.5% (E)GPRS: 1 Slot: 12.5% 2 Slots: 25% 3 Slots: 37.5% 4 Slots: 50%
		GPRS (GMSK)	<input type="checkbox"/> Class 8 - 1 Up, 4 Down <input type="checkbox"/> Class 10 - 2 Up, 4 Down <input type="checkbox"/> Class 12 - 4 Up, 4 Down <input checked="" type="checkbox"/> Class 33 - 4 Up, 5 Down	
Does this device support DTM (Dual Transfer Mode)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
W-CDMA (UMTS)	Band II Band IV Band V	UMTS Rel. 99 (Voice & Data) HSDPA & DC-HSDPA (Category 24) HSUPA (Category 6) & 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	QPSK 16QAM 64QAM 256QAM Rel. 16 Carrier Aggregation (2 Uplink and 6 Downlinks) <u>UL CA intraband-contiguous (2CC)</u> 41C / 48C / 66B / 66C		100% (FDD) 63.3% (TDD) <small>Power Class 3</small> 43.3% (TDD) <small>Power Class 2</small>
		Does this device support SV-LTE (1xRTT-LTE)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
NR (Sub6)	FDD Band n71 / n12 / n26 FDD Band n5 / n7 / n66 FDD Band n25 / n2 / n30 FDD Band n70 / n38 / n48 TDD Band n41-PC2 TDD Band n77-PC2 TDD Band n78-PC2	DFT-s-OFDM: ■ $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: ■ QPSK, 16QAM, 64QAM, 256QAM <u>UL CA intraband-contiguous (2CC)</u> Refer to the operational description for list of all inter-CA bands supported.		100%
Wi-Fi	2.4 GHz	802.11b / 802.11g / 802.11n (HT20) 802.11ac (VHT20) / 802.11ax (HE20)		98.80% (802.11b)
	5 GHz	802.11a / 802.11n (HT20) & (HT40) 802.11ac (VHT20) & (VHT40) & (VHT80) & (VHT160) 802.11ax (HE20) & (HE40) & (HE80) & (HE160)		98.18% (802.11n (HT40)) 94.43% (802.11ac (VHT80))
	6 GHz	802.11a 802.11ax (HE20) & (HE40) & (HE80) & (HE160)		99.63% (802.11ax (HE160))
	Does this device support bands 5.60 ~ 5.65 GHz? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Does this device support Band gap channel(s)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Bluetooth	2.4 GHz	Version 5.3+LE		85.39% (LE-1M) 77.09% (BDR)
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.
3. This device supports UL CA intra band in LTE Band. Detail of configuration refer to Appendix.G.
4. NR TDD Band n41 & n48 & n77 & n78 has support SRS(0,1,2,3) modes.
5. 6GHz RF Exposure report has test results of Wi-Fi 6GHz and UWB.
6. In addition to EN-DC modes 5GNR also supports inter-band uplink carrier aggregation. As this is not intra-band CA simultaneous transmission assessment is evaluated using the TAS, sum-SAR and SPLSR methods to combine the stand-alone SAR values for each individual band.

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 Closed Head	Pmax (Maximum tune-up Power) (dBm)
Spatial-average			1g	10g	1g	10g	1g	
Test distance (mm)			10	0	10	0	0	
Configuration			Folder Open	Folder Open	Folder Closed	Folder Closed	Folder Closed	
DSI:			0		1		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)					
DTS SISO Ant. 1	G	AG 1	17.0	17.0	17.0	17.0	19.0	
DTS SISO Ant. 2	F	AG 1	17.0	17.0	17.0	17.0	19.0	
DTS MIMO	G+F	AG 1	17.0	17.0	17.0	17.0	19.0	
UNII-2A SISO Ant. 1	G	AG 1	20.8	26.3	21.6	20.8	17.0	
UNII-2A SISO Ant. 2	D	AG 1	21.8	25.5	23.3	26.9	17.0	
UNII-2A MIMO	G+D	AG 1	21.0	23.9	20.7	19.8	17.0	
UNII-2C SISO Ant. 1	G	AG 1	18.8	21.9	21.5	22.3	17.0	
UNII-2C SISO Ant. 2	D	AG 1	23.1	22.0	21.7	24.4	17.0	
UNII-2C MIMO	G+D	AG 1	19.8	20.5	21.1	22.2	17.0	
UNII-3 SISO Ant. 1	G	AG 1	18.3	24.2	24.2	20.2	17.0	
UNII-3 SISO Ant. 2	D	AG 1	21.0	23.8	26.6	22.2	17.0	
UNII-3 MIMO	G+D	AG 1	19.8	23.2	25.6	20.4	17.0	
UNI-4 SISO Ant. 1	G	AG 1	22.4	24.9	21.3	20.7	17.0	
UNI-4 SISO Ant. 2	D	AG 1	19.5	23.4	22.4	22.2	17.0	
UNI-4 MIMO	G+D	AG 1	19.2	22.1	21.5	20.3	17.0	
WiFi 6E SISO Ant. 1	G	AG 1	10.0	12.0	12.0	12.0	16.0	
WiFi 6E SISO Ant. 2	D	AG 1	10.0	12.0	12.0	12.0	16.0	
WiFi 6E MIMO	G+D	AG 1	10.0	12.0	12.0	12.0	16.0	
Bluetooth Ant. 1	G	AG 1	21.9	28.3	25.7	28.0	18.5	
Bluetooth Ant. 2	F	AG 1	20.8	22.9	20.1	25.3	18.5	
Bluetooth MIMO	G+F	AG 1	20.2	23.7	20.8	25.0	14.5	

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 Closed Head	Pmax (Maximum tune-up Power) (dBm)
Spatial-average			1g	10g	1g	10g	1g	
Test distance (mm)			10	0	10	0	0	
Configuration			Folder Open	Folder Open	Folder Closed	Folder Closed	Folder Closed	
DSI:			0		1		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	AG 0	27.2		29.0	27.4	29.4	25.3
GSM 850	D	AG 1	28.9		30.7	29.3	32.9	25.3
GSM 1900	B	AG 0	18.3		18.3	18.3	31.5	21.3
WCDMA 2	B	AG 0	19.0		19.0	19.0	31.8	23.8
WCDMA 4	B	AG 0	19.0		19.0	19.0	29.6	23.5
WCDMA 5	A, A+B	AG 0	25.8		28.3	26.0	29.1	24.3
WCDMA 5	D	AG 1	27.5		30.3	29.5	31.6	24.3
LTE Band 5	A, A+B	AG 0	26.0		27.0	27.0	30.0	24.5
LTE Band 5	D	AG 1	27.3		30.5	29.4	31.9	24.5
LTE Band 7	B	AG 0	18.0		18.0	18.0	30.0	24.0
LTE Band 7	E	AG 1	19.0		19.0	19.0	26.6	24.0
LTE Band 12	A, A+B	AG 0	25.2		28.7	27.6	29.6	24.2
LTE Band 12	D	AG 1	27.1		30.3	27.4	29.8	24.2
LTE Band 13	A, A+B	AG 0	26.3		27.5	27.5	31.9	24.5
LTE Band 13	D	AG 1	28.2		33.0	28.7	30.9	24.5
LTE Band 14	A, A+B	AG 0	26.3		29.2	27.2	31.9	24.5
LTE Band 14	D	AG 1	28.6		30.8	29.0	34.1	24.5
LTE Band 25(2)	B	AG 0	18.0		19.0	19.0	30.8	24.0
LTE Band 25(2)	E	AG 1	20.0		20.0	20.0	22.5	24.0
LTE Band 26	A, A+B	AG 0	25.5		28.8	26.5	30.2	24.5
LTE Band 26	D	AG 1	27.4		31.1	29.2	31.2	24.5
LTE Band 30	B	AG 0	16.0		18.0	18.0	31.0	23.0
LTE Band 30	E	AG 1	19.0		21.0	21.0	20.5	23.0
LTE Band 66(4)	B	AG 0	19.0		19.0	19.0	29.7	24.0
LTE Band 66(4)	E	AG 1	20.0		20.0	20.0	21.5	24.0
LTE Band 71	A, A+B	AG 0	26.0		27.1	25.9	31.9	24.2
LTE Band 71	D	AG 1	27.0		29.6	26.6	30.3	24.2
LTE Band 41(38) PC3	B	AG 0	15.0		18.0	18.0	32.0	22.0
LTE Band 41(38) PC3	E	AG 1	18.5		18.5	18.5	N/A	22.0
LTE Band 41 PC2	B	AG 0	15.0		18.0	18.0	32.0	21.9
LTE Band 41 PC2	E	AG 1	18.5		18.5	18.5	N/A	21.9
LTE Band 48	E	AG 1	17.5		17.5	17.5	20.0	20.3
NR Band n5	A, A+B	AG 0	25.0		28.8	25.7	29.4	24.0
NR Band n5	D	AG 1	26.4		29.8	28.2	32.0	24.0
NR Band n7	B	AG 0	18.0		18.0	18.0	30.5	23.0
NR Band n7	E	AG 1	19.0		19.0	19.0	25.0	23.0
NR Band n12	A, A+B	AG 0	25.0		28.6	26.5	29.1	24.0
NR Band n12	D	AG 1	26.2		30.5	27.5	30.2	24.0
NR Band n25(2)	B	AG 0	18.0		19.0	19.0	30.8	23.5
NR Band n25(2)	E	AG 1	20.0		20.0	20.0	22.5	23.5
NR Band n26	A, A+B	AG 0	25.5		28.3	26.0	30.2	24.0
NR Band n26	D	AG 1	27.2		30.7	29.6	31.3	24.0
NR Band n30	B	AG 0	16.0		18.0	18.0	33.1	22.5
NR Band n30	E	AG 1	19.0		21.0	21.0	20.5	22.5
NR Band n66	B	AG 0	19.0		19.0	19.0	29.2	23.5
NR Band n66	E	AG 1	20.0		20.0	20.0	21.5	23.5
NR Band n70	B	AG 0	19.0		19.0	19.0	28.8	23.0
NR Band n70	E	AG 1	21.0		21.0	21.0	22.5	23.0
NR Band n71	A, A+B	AG 0	25.3		28.1	26.3	29.0	24.0
NR Band n71	D	AG 1	27.8		30.6	27.3	30.9	24.0
NR Band n41(38) PC2 -Main- (Switching SRS1)	E	AG 1	19.0		19.0	19.0	22.0	26.0
NR Band n41 PC2 -SRS2- (Switching SRS3)	G	AG 1	12.0		12.0	12.0	12.0	20.5
NR Band n41(38) swithcing PC2 -Main- (non switching SRS1)	B	AG 0	16.5		18.0	18.0	34.4	25.0
NR Band n41 swithcing PC2-SRS2- (non switching SRS3)	C	AG 0	12.0		12.0	12.0	12.0	19.0
NR Band n48 -Main-	E	AG 1	16.0		18.0	18.0	19.0	22.3
NR Band n48 -SRS1-	C	AG 0	14.0		14.0	14.0	14.0	17.5
NR Band n48 -SRS2-	F	AG 1	14.0		14.0	14.0	14.0	22.0
NR Band n48 -SRS3-	A	AG 0	14.0		14.0	14.0	14.0	19.5
NR Band n77(78) PC2 -Main-	E	AG 1	17.0		17.5	17.5	17.5	26.0
NR Band n77(78) PC2 -SRS1-	C	AG 0	14.0		14.0	14.0	14.0	19.0
NR Band n77(78) PC2 -SRS2-	F	AG 1	14.0		14.0	14.0	14.0	25.0
NR Band n77(78) PC2 -SRS3-	A	AG 0	14.0		14.0	14.0	14.0	21.5

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	
GSM850	Ant.A & Ant.A+B	Voice	1	33.30	24.27	33.30	24.27	33.30	24.27	33.30	24.27	33.30	24.27
		GPRS	1	33.30	24.27	33.30	24.27	33.30	24.27	33.30	24.27	33.30	24.27
		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
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
GSM850	Ant.D	Voice	1	33.30	24.27	33.30	24.27	33.30	24.27	33.30	24.27	33.30	24.27
		GPRS	1	33.30	24.27	33.30	24.27	33.30	24.27	33.30	24.27	33.30	24.27
		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
GSM850	Ant.D	EGPRS	4	23.00	19.99	23.00	19.99	23.00	19.99	23.00	19.99	23.00	19.99

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 V	Ant.A & Ant.A+B	R99	25.30	25.30	25.30	25.30	
		HSDPA	24.30	24.30	24.30	24.30	
		HSUPA	24.30	24.30	24.30	24.30	
		DC-HSDPA	24.30	24.30	24.30	24.30	
W-CDMA Band IV	Ant.B	R99	24.50	20.00	20.00	24.50	
		HSDPA	23.50	19.00	19.00	23.50	
		HSUPA	23.50	19.00	19.00	23.50	
		DC-HSDPA	23.50	19.00	19.00	23.50	
W-CDMA Band II	Ant.B	R99	24.80	20.00	20.00	24.80	
		HSDPA	23.80	19.00	19.00	23.80	
		HSUPA	23.80	19.00	19.00	23.80	
		DC-HSDPA	23.80	19.00	19.00	23.80	
W-CDMA Band V	Ant.D	R99	25.30	25.30	25.30	25.30	
		HSDPA	24.30	24.30	24.30	24.30	
		HSUPA	24.30	24.30	24.30	24.30	
		DC-HSDPA	24.30	24.30	24.30	24.30	

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.
3. For Both Ant.A and Ant.A+B configurations, Folder Opened condition has support only Ant.A+B configuration.

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 FDD Band 71	Ant.A & Ant.A+B	QPSK	25.20	25.20	25.20	25.20	25.20
LTE FDD Band 71	Ant.D	QPSK	25.20	25.20	25.20	25.20	25.20
LTE FDD Band 12	Ant.A & Ant.A+B	QPSK	25.20	25.20	25.20	25.20	25.20
LTE FDD Band 12	Ant.D	QPSK	25.20	25.20	25.20	25.20	25.20
LTE FDD Band 13	Ant.A & Ant.A+B	QPSK	25.50	25.50	25.50	25.50	25.50
LTE FDD Band 13	Ant.D	QPSK	25.50	25.50	25.50	25.50	25.50
LTE FDD Band 14	Ant.A & Ant.A+B	QPSK	25.50	25.50	25.50	25.50	25.50
LTE FDD Band 14	Ant.D	QPSK	25.50	25.50	25.50	25.50	25.50
LTE FDD Band 26	Ant.A & Ant.A+B	QPSK	25.50	25.50	25.50	25.50	25.50
LTE FDD Band 26	Ant.D	QPSK	25.50	25.50	25.50	25.50	25.50
LTE FDD Band 5	Ant.A & Ant.A+B	QPSK	25.50	25.50	25.50	25.50	25.50
LTE FDD Band 5	Ant.D	QPSK	25.50	25.50	25.50	25.50	25.50
LTE FDD Band 66	Ant.B	QPSK	25.00	20.00	20.00	25.00	25.00
LTE FDD Band 66	Ant.E	QPSK	25.00	21.00	21.00	22.50	22.50
LTE FDD Band 4	Ant.B	QPSK	25.00	20.00	20.00	25.00	25.00
LTE FDD Band 4	Ant.E	QPSK	25.00	21.00	21.00	22.50	22.50
LTE FDD Band 25	Ant.B	QPSK	25.00	19.00	20.00	25.00	25.00
LTE FDD Band 25	Ant.E	QPSK	25.00	21.00	21.00	23.50	23.50
LTE FDD Band 2	Ant.B	QPSK	25.00	19.00	20.00	25.00	25.00
LTE FDD Band 2	Ant.E	QPSK	25.00	21.00	21.00	23.50	23.50
LTE FDD Band 30	Ant.B	QPSK	24.00	17.00	19.00	24.00	24.00
LTE FDD Band 30	Ant.E	QPSK	24.00	20.00	22.00	24.00	21.50
LTE FDD Band 7	Ant.B	QPSK	25.00	19.00	19.00	25.00	25.00
LTE FDD Band 7	Ant.E	QPSK	25.00	20.00	20.00	19.00	25.00
LTE TDD Band 38	Ant.B	QPSK	25.00	18.00	21.00	25.00	25.00
LTE TDD Band 38	Ant.E	QPSK	25.00	21.50	21.50		
LTE TDD Band 41 (PC3)	Ant.B	QPSK	25.00	18.00	21.00	25.00	25.00
LTE TDD Band 41 (PC3)	Ant.E	QPSK	25.00	21.50	21.50		
LTE TDD Band 41 (PC2)	Ant.B	QPSK	26.50	19.60	22.60	26.50	26.50
LTE TDD Band 41 (PC2)	Ant.E	QPSK	26.50	23.10	23.10		
LTE TDD Band 48	Ant.E	QPSK	23.30	20.50	20.50	23.00	23.00

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 in Folder Closed condition using same target power.
3. For Both Ant.A and Ant.A+B configurations, Folder Opened condition has support only Ant.A+B configuration.
4. For LTE Band 41/48/66, There supports ULCA intraband-contiguous as same target power of standalone LTE.

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	25.00	25.00	25.00	25.00	25.00
NR Band n71	Ant.D	DFT-s-OFDM QPSK	25.00	25.00	25.00	25.00	25.00
NR Band n12	Ant.A & Ant.A+B	DFT-s-OFDM QPSK	25.00	25.00	25.00	25.00	25.00
NR Band n12	Ant.D	DFT-s-OFDM QPSK	25.00	25.00	25.00	25.00	25.00
NR Band n26	Ant.A & Ant.A+B	DFT-s-OFDM QPSK	25.00	25.00	25.00	25.00	25.00
NR Band n26	Ant.D	DFT-s-OFDM QPSK	25.00	25.00	25.00	25.00	25.00
NR Band n5	Ant.A & Ant.A+B	DFT-s-OFDM QPSK	25.00	25.00	25.00	25.00	25.00
NR Band n5	Ant.D	DFT-s-OFDM QPSK	25.00	25.00	25.00	25.00	25.00
NR Band n7	Ant.B	DFT-s-OFDM QPSK	24.00	19.00	19.00	24.00	24.00
NR Band n7	Ant.E	DFT-s-OFDM QPSK	24.00	20.00	20.00	19.00	24.00
NR Band n66	Ant.B	DFT-s-OFDM QPSK	24.50	20.00	20.00	24.50	24.50
NR Band n66	Ant.E	DFT-s-OFDM QPSK	24.50	21.00	21.00	22.50	22.50
NR Band n25	Ant.B	DFT-s-OFDM QPSK	24.50	19.00	20.00	24.50	24.50
NR Band n25	Ant.E	DFT-s-OFDM QPSK	24.50	21.00	21.00	23.50	23.50
NR Band n2	Ant.B	DFT-s-OFDM QPSK	24.50	19.00	20.00	24.50	24.50
NR Band n2	Ant.E	DFT-s-OFDM QPSK	24.50	21.00	21.00	23.50	23.50
NR Band n30	Ant.B	DFT-s-OFDM QPSK	23.50	17.00	19.00	23.50	23.50
NR Band n30	Ant.E	DFT-s-OFDM QPSK	23.50	20.00	22.00	23.50	21.50
NR Band n70	Ant.B	DFT-s-OFDM QPSK	24.00	20.00	20.00	24.00	24.00
NR Band n70	Ant.E	DFT-s-OFDM QPSK	24.00	22.00	22.00	23.50	23.50
NR Band n38	Ant.E	DFT-s-OFDM QPSK	25.00	20.00	20.00	23.00	23.00
NR Band n48	Ant.E	DFT-s-OFDM QPSK	23.30	17.00	19.00	20.00	20.00
NR Band n48 SRS#1	Ant.C	SRS CW	18.50	15.00	15.00	15.00	15.00
NR Band n48 SRS#2	Ant.F	SRS CW	23.00	15.00	15.00	15.00	15.00
NR Band n48 SRS#3	Ant.A	SRS CW	20.50	15.00	15.00	15.00	15.00

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 in Folder Closed condition using same target power.
3. For Both Ant.A and Ant.A+B configurations, Folder Opened condition has support only Ant.A+B configuration.

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

NR-Sub6 Bands (Continued)

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 (PC2 SA)	Ant.E	DFT-s-OFDM QPSK	27.00	20.00	20.00	23.00	23.00
NR Band n41 (SA) SRS#1	Ant.B	SRS CW	26.00	17.50	19.00	26.00	26.00
NR Band n41 (SA) SRS#2	Ant.G	SRS CW	21.50	13.00	13.00	13.00	13.00
NR Band n41 (SA) SRS#3	Ant.C	SRS CW	20.00	13.00	13.00	13.00	13.00
NR Band n41 switching	Ant.B	DFT-s-OFDM QPSK	26.00	17.50	19.00	26.00	26.00
NR Band n41 (SA) SRS#1	Ant.E	SRS CW	26.50	20.00	20.00	23.00	23.00
NR Band n41 (SA) SRS#2	Ant.C	SRS CW	20.50	13.00	13.00	13.00	13.00
NR Band n41 (SA) SRS#3	Ant.G	SRS CW	22.00	13.00	13.00	13.00	13.00
NR Band n41 (PC2 NSA)	Ant.E	DFT-s-OFDM QPSK	25.50	20.00	20.00	23.00	23.00
NR Band n41 (NSA) SRS#1	Ant.B	SRS CW	25.00	17.50	19.00	25.00	25.00
NR Band n41 (NSA) SRS#2	Ant.G	SRS CW	20.50	13.00	13.00	13.00	13.00
NR Band n41 (NSA) SRS#3	Ant.C	SRS CW	19.00	13.00	13.00	13.00	13.00
NR Band n77 (PC2)	Ant.E	DFT-s-OFDM QPSK	27.00	18.00	18.00	18.00	18.00
NR Band n77 SRS#1	Ant.C	SRS CW	20.00	15.00	15.00	15.00	15.00
NR Band n77 SRS#2	Ant.F	SRS CW	26.00	15.00	15.00	15.00	15.00
NR Band n77 SRS#3	Ant.A	SRS CW	22.50	15.00	15.00	15.00	15.00
NR Band n78 (PC2)	Ant.E	DFT-s-OFDM QPSK	27.00	18.00	19.00	19.00	19.00
NR Band n78 SRS#1	Ant.C	SRS CW	20.00	15.00	15.00	15.00	15.00
NR Band n78 SRS#2	Ant.F	SRS CW	26.00	15.00	15.00	15.00	15.00
NR Band n78 SRS#3	Ant.A	SRS CW	22.50	15.00	15.00	15.00	15.00

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 Band n41 (PC2 SA)	0	E	20.00	20.00	23.00	23.00
	1	B	17.50	19.00	26.00	26.00
	2	G	13.00	13.00	13.00	13.00
	3	C	13.00	13.00	13.00	13.00

Band	SRS	Ant	Plimit (dBm)			
			DSI 0	DSI 1	DSI 2	DSI 3
NR Band n41 switching	0	B	17.50	19.00	26.00	26.00
	1	E	20.00	20.00	23.00	23.00
	2	C	13.00	13.00	13.00	13.00
	3	G	13.00	13.00	13.00	13.00

Band	SRS	Ant	Plimit (dBm)			
			DSI 0	DSI 1	DSI 2	DSI 3
NR Band n41 (PC2 NSA)	0	E	20.00	20.00	23.00	23.00
	1	B	17.50	19.00	25.00	25.00
	2	G	13.00	13.00	13.00	13.00
	3	C	13.00	13.00	13.00	13.00

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 SAR test case reduction due to same Plimit for SA switching and SA/NSA. So SAR full test performed at orange box in above table. Detail of test results refer to section.10 in report.

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.G & Ant.F) / 5GHz SISO (Ant.G & Ant.D)						2.4GHz MIMO (Ant.G + Ant.F) / 5GHz MIMO (Ant.G + Ant.D)						
		a	b	g	n	ac	ax(SU)	a	b	g	n	ac	ax(SU)	
WiFi 2.4 GHz	DTS	Ch 1		20	18	18	18	16		23	21	21	21	19
		Ch 2 - 10		20	18	18	18	18		23	21	21	21	21
		Ch 11		20	16	16	16	16		23	19	19	19	19
		Ch 12		6	6	6	6	6		9	9	9	9	9
		Ch 13		0	0	0	0	0		3	3	3	3	3
WiFi 5 GHz (BW : 20MHz)	UNII-1	18.0			18.0	18.0	18.0	21.0			21.0	21.0	21.0	
	UNII-1 (Ch.36)	17.0			18.0	18.0	16.0	20.0			21.0	21.0	19.0	
	UNII-2A	18.0			18.0	18.0	18.0	21.0			21.0	21.0	21.0	
	UNII-2A (Ch.64)	17.0			18.0	18.0	16.0	20.0			21.0	21.0	19.0	
	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				18.0	18.0	18.0				21.0	21.0	21.0	
	UNII-1 (Ch.38)				16.0	16.0	16.0				19.0	19.0	19.0	
	UNII-2A				18.0	18.0	18.0				21.0	21.0	21.0	
	UNII-2A (Ch.62)				15.5	15.5	15.5				18.5	18.5	18.5	
	UNII-2C				18.0	18.0	18.0				21.0	21.0	21.0	
	UNII-2C (Ch.102)				16.0	16.0	16.0				19.0	19.0	19.0	
	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					16.0	16.0					19.0	19.0	
	UNII-2A					16.0	16.0					19.0	19.0	
	UNII-2C					18.0	18.0					21.0	21.0	
	UNII-2C (Ch.106)					16.0	16.0					19.0	19.0	
	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					16.0	16.0					19.0	19.0	
	UNII-2C					14.0	14.0					17.0	17.0	
	UNII-3 & 4					16.0	16.0					19.0	19.0	

WLAN output power (DSI=0, 1, 2, 3)

RF Air interface	Band	Maximum allowed output power (dBm) - DSI= 0, 1, 2, 3												
		802.11 mode												
		2.4GHz SISO (Ant.G & Ant.F) / 5GHz SISO (Ant.G & Ant.D)						2.4GHz MIMO (Ant.G + Ant.F) / 5GHz MIMO (Ant.G + Ant.D)						
		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	21	19
		Ch 2 - 10		18	18	18	18	18		21	21	21	21	21
		Ch 11		18	16	16	16	16		21	19	19	19	19
		Ch 12		6	6	6	6	6		9	9	9	9	9
		Ch 13		0	0	0	0	0		3	3	3	3	3
WiFi 5 GHz (BW : 20MHz)	UNII-1	18.0			18.0	18.0	18.0	21.0			21.0	21.0	21.0	
	UNII-1 (Ch.36)	17.0			18.0	18.0	16.0	20.0			21.0	21.0	19.0	
	UNII-2A	18.0			18.0	18.0	18.0	21.0			21.0	21.0	21.0	
	UNII-2A (Ch.64)	17.0			18.0	18.0	16.0	20.0			21.0	21.0	19.0	
	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				18.0	18.0	18.0				21.0	21.0	21.0	
	UNII-1 (Ch.38)				16.0	16.0	16.0				19.0	19.0	19.0	
	UNII-2A				18.0	18.0	18.0				21.0	21.0	21.0	
	UNII-2A (Ch.62)				15.5	15.5	15.5				18.5	18.5	18.5	
	UNII-2C				18.0	18.0	18.0				21.0	21.0	21.0	
	UNII-2C (Ch.102)				16.0	16.0	16.0				19.0	19.0	19.0	
	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					16.0	16.0					19.0	19.0	
	UNII-2A					16.0	16.0					19.0	19.0	
	UNII-2C					18.0	18.0					21.0	21.0	
	UNII-2C (Ch.106)					16.0	16.0					19.0	19.0	
	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					16.0	16.0					19.0	19.0	
	UNII-2C					14.0	14.0					17.0	17.0	
	UNII-3 & 4					16.0	16.0					19.0	19.0	

Notes:

1. DTS/UNII has support SISO & MIMO mode.
2. WLAN has support RSDB operate. The RSDB scenarios refer to section.12 in report.

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

RF Air interface	Maximum allowed output power (dBm) - Pmax & Plimit of DSI 0,1,2,3						
	PL11		PL10		PL9		Dual (only PL10 + PL10)
	Ant.G	Ant.F	Ant.G	Ant.F	Ant.G	Ant.F	Ant.G + F
Bluetooth (BDR) (1Mbps)	19.5	19.5	15.5	15.5	N/A	N/A	18.5
Bluetooth (EDR) (2Mbps)	16.5	16.5	13.0	13.0	N/A	N/A	16.0
Bluetooth (EDR) (3Mbps)	16.5	16.5	13.0	13.0	N/A	N/A	16.0
Bluetooth (LE) (1M)	19.5	19.5	15.5	15.0	11.0	11.0	18.0
Bluetooth (LE) (2M)	19.5	19.5	15.5	15.0	11.0	11.0	18.0
Bluetooth (LE) (125kbps)	N/A	N/A	N/A	N/A	11.0	11.0	N/A
Bluetooth (LE) (500kbps)	N/A	N/A	N/A	N/A	11.0	11.0	N/A

Notes:

- BT Antennas are work at the same time through only Dual mode operation.

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	Technologies Supported	DSI conditions	DUT Configuration	Description
Head	WWAN/WLAN/BT bands	DSI = 3	Folder Closed	1. Next to the ear exposure condition. 2. Handset's Receiver(ear piece) is active during voice or VoIP call.
	WWAN/WLAN/BT bands	DSI = 2	Folder Opened	1. Next to the ear exposure condition. 2. Handset's Receiver(ear piece) is active during voice or VoIP call.
Body-worn & Hotspot	WWAN/WLAN/BT bands	DSI = 1	Folder Closed	1. Handsets supports Hotspot mode that Active near body. 2. Handsets are carried in body-worn accessories. 3. Hand use conditions for Handsets(Phablet).
Product Specific 10-g	WWAN/WLAN/BT bands			
Body	WWAN/WLAN/BT bands	DSI = 0	Folder Opened	1. UMPC-mini Tablet are designed for interactive hand-held use next to or near the body of users.
Extremity 10-g	WWAN/WLAN/BT bands	DSI = 0	Folder Opened	

Notes:

The device uses a hall effect sensor to determine if it is in the closed position or open position. The sensing mechanism has been validated, refer to Appendix J In addition it uses the RCVR status to determine if the device is being held to head (RCVR active) or not.

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	<table border="1"> <tr> <td rowspan="2">Band 30</td> <td colspan="6">Frequency range: 2305 - 2315 MHz</td> </tr> <tr> <td colspan="6">Channel Bandwidth</td> </tr> <tr> <td></td> <td>20 MHz</td> <td>15 MHz</td> <td>10 MHz</td> <td>5 MHz</td> <td>3 MHz</td> <td>1.4 MHz</td> </tr> <tr> <td>Low</td> <td></td> <td></td> <td></td> <td>27685/ 2307.5</td> <td></td> <td></td> </tr> <tr> <td>Mid</td> <td></td> <td></td> <td>27710/ 2310</td> <td>27710/ 2310</td> <td></td> <td></td> </tr> <tr> <td>High</td> <td></td> <td></td> <td></td> <td>27735/ 2312.5</td> <td></td> <td></td> </tr> <tr> <td rowspan="2">Band 38</td> <td colspan="6">Frequency range: 2570 - 2620 MHz</td> </tr> <tr> <td colspan="6">Channel Bandwidth</td> </tr> <tr> <td></td> <td>20 MHz</td> <td>15 MHz</td> <td>10 MHz</td> <td>5 MHz</td> <td>3 MHz</td> <td>1.4 MHz</td> </tr> <tr> <td>Low</td> <td>37850/ 2580</td> <td>37825/ 2577.5</td> <td>37800/ 2575</td> <td>37775/ 2572.5</td> <td></td> <td></td> </tr> <tr> <td>Mid</td> <td>38000/ 2595</td> <td>38000/ 2595</td> <td>38000/ 2595</td> <td>38000/ 2595</td> <td></td> <td></td> </tr> <tr> <td>High</td> <td>38150/ 2610</td> <td>38175/ 2612.5</td> <td>38200/ 2615</td> <td>38225/ 2617.5</td> <td></td> <td></td> </tr> <tr> <td rowspan="7">Band 41</td> <td colspan="6">Frequency range: 2496 - 2690 MHz</td> </tr> <tr> <td colspan="6">Channel Bandwidth</td> </tr> <tr> <td></td> <td>20 MHz</td> <td>15 MHz</td> <td>10 MHz</td> <td>5 MHz</td> <td>3 MHz</td> <td>1.4 MHz</td> </tr> <tr> <td>Low</td> <td colspan="5">39750 / 2506.0</td> <td></td> </tr> <tr> <td>Low-Mid</td> <td colspan="5">40185 / 2549.5</td> <td></td> </tr> <tr> <td>Mid</td> <td colspan="5">40620 / 2593.0</td> <td></td> </tr> <tr> <td>Mid-High</td> <td colspan="5">41055 / 2636.5</td> <td></td> </tr> <tr> <td>High</td> <td colspan="5">41490 / 2680.0</td> <td></td> </tr> <tr> <td rowspan="5">Band 48</td> <td colspan="6">Frequency range: 3550 - 3700 MHz</td> </tr> <tr> <td colspan="6">Channel Bandwidth</td> </tr> <tr> <td></td> <td>20 MHz</td> <td>15 MHz</td> <td>10 MHz</td> <td>5 MHz</td> <td>3 MHz</td> <td>1.4 MHz</td> </tr> <tr> <td>Low</td> <td>55340/ 3560</td> <td>55315/ 3557.5</td> <td>55290/ 3555</td> <td>55265/ 3552.5</td> <td></td> <td></td> </tr> <tr> <td>Mid</td> <td>55990/ 3625</td> <td>55990/ 3625</td> <td>55990/ 3625</td> <td>55990/ 3625</td> <td></td> <td></td> </tr> <tr> <td rowspan="3">Band 66</td> <td colspan="6">Frequency range: 1710 - 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Notes:

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

6.7. 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	$26336 \cdot T_s$			$7680 \cdot T_s$		
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
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 $\times (T_s) \times \#$ of S + $\#$ of U

Example for Calculated Duty Cycle for Uplink-Downlink Configuration 0:

Calculated Duty Cycle = $5120 \times [1/(15000 \times 2048)] \times 2 + 6 \text{ ms} = 63.33\%$

where

$T_s = 1/(15000 \times 2048)$ 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 Frequencies	Band n2	Frequency range: 1850 - 1910 MHz																	
		Channel Bandwidth																	
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	35 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz				
	Low							374000/ 1870	373500/ 1867.5	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	376000/ 1880				
	High							378000/ 1890	378500/ 1892.5	379000/ 1895	379500/ 1897.5	380000/ 1900	380500/ 1902.5	381000/ 1905	381500/ 1907.5				
	Band n5	Frequency range: 824 - 849 MHz																	
		Channel Bandwidth																	
	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: 2500 - 2570 MHz																		
	Channel Bandwidth																		
Low												50400/ 2520	503500/ 2517.5	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	2535/ 507000
High												510000/ 2550	510500/ 2552.5	511000/ 2555	511500/ 2557.5	512000/ 2560	512500/ 2562.5	513000/ 2565	513500/ 2567.5
Band n12	Frequency range: 699 - 716 MHz																		
	Channel Bandwidth																		
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																		
Low												37400/ 1870	373500/ 1867.5	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	376500/ 1882.5
High												379000/ 1895	379500/ 1897.5	380000/ 1900	380500/ 1902.5	381000/ 1905	381500/ 1907.5	382000/ 1910	382500/ 1912.5
Band n26	Frequency range: 814 - 849 MHz																		
	Channel Bandwidth																		
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																		
Low																		461500/ 2307.5	
Mid																		462000/ 2310	462000/ 2310
High																		462500/ 2312.5	
Band n38	Frequency range: 2570 - 2620 MHz																		
	Channel Bandwidth																		
Low												518000/ 2590		517000/ 2585	516500/ 2582.5	516000/ 2580	515500/ 2577.5	515000/ 2575	
Mid												519000/ 2595		519000/ 2595	519000/ 2595	519000/ 2595	519000/ 2595	519000/ 2595	
High												520000/ 2600		521000/ 2605	521500/ 2607.5	522000/ 2610	522500/ 2612.5	523000/ 2615	

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

Frequency range, Channel Bandwidth, Numbers and Frequencies	Band n41	Frequency range: 2496 - 2690 MHz													
		Channel Bandwidth													
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	35 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	501696/ 2508.48	501204/ 2506.02	500700/ 2503.5	500202/ 2501.01		
Low-Mid							516468/ 2567.34		510402/ 2552.01	510150/ 2550.75	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	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	527046/ 2635.23	527298/ 2636.49	527550/ 2637.75	527802/ 2639.01		
High							534000/ 2670		534996/ 2674.98	535500/ 2677.5	535998/ 2679.99	536496/ 2682.48	537000/ 2685		
		Frequency range: 3550 - 3700 MHz													
		Channel Bandwidth													
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	35 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		
		Frequency range: 1710 - 1780 MHz													
		Channel Bandwidth													
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	35 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
Low								346000/ 1730	345500/ 1727.5	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	349000/ 1745
High								352000/ 1760	352500/ 1762.5	353000/ 1765	353500/ 1767.5	354000/ 1770	354500/ 1772.5	355000/ 1775	355500/ 1777.5
		Frequency range: 1695 - 1710 MHz													
		Channel Bandwidth													
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	35 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
Low															340000/ 1700
Mid													340500/ 1702.5	340500/ 1702.5	
High															341000/ 1705
		Frequency range: 663 - 698 MHz													
		Channel Bandwidth													
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	35 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
		Frequency range: 3450 - 3550 MHz													
		Channel Bandwidth													
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	35 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	
		Frequency range: 3700 - 3980 MHz													
		Channel Bandwidth													
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	35 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					654400 /3816		654334/ 3815.01	654300/ 3814.5	654266 /3813.99	654234/ 3813.51	654200/ 3813	
Mid-B						656000 /3840		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)

Frequency range, Channel Bandwidth, Numbers and Frequencies	Band n78 -DoD-	Frequency range: 3450 - 3550 MHz													
		Channel Bandwidth													
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	35 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 n78	Frequency range: 3700 - 3800 MHz													
		Channel Bandwidth													
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	40 MHz	35 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
Low						648334/ 3725.01	647800/ 3720			647666/ 3715	647500/ 3712.5	647334/ 3710.01	647166/ 3707.5	647000/ 3705	
Mid	650000/ 3750	650000/ 3750	650000/ 3750	650000/ 3750	650000/ 3750					650000/ 3750	650000/ 3750	650000/ 3750	650000/ 3750	650000/ 3750	
High						651666/ 3774.99	652000/ 3780			652332/ 3784.98	652500/ 3787.5	652666/ 3789.99	652832/ 3792.48	653000/ 3795	
SCS	NR FDD Bands : 15 kHz, NR TDD Bands : 30kHz														
Modulations Supported in UL	DFT-s-OFDM: $\pi/2$ 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 2/4/30/48/66														
LTE Anchor Bands for NR Band n7	N/A														
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 n26	N/A														
LTE Anchor Bands for NR Band n30	N/A														
LTE Anchor Bands for NR Band n38	N/A														
LTE Anchor Bands for NR Band n41	LTE Band 2/4/5/12/66														
LTE Anchor Bands for NR Band n48	N/A														
LTE Anchor Bands for NR Band n66	LTE Band 2/5/12/13/14/30/48														
LTE Anchor Bands for NR Band n70	N/A														
LTE Anchor Bands for NR Band n71	LTE Band 2//48/66														
LTE Anchor Bands for NR Band n77	LTE Band 2/5/12/13/14/30/66/71														
LTE Anchor Bands for NR Band n78	N/A														

Notes:

- 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, NR TDD' SAR testing was performed using test mode software to establish the connection. And NR FDD's SAR testing was performed using Call box. Call box setup refer to Sec.9.4 in report.
- 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 13 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	Antennaa	DUT-to-User Separation	Test Positions			
				Right Touch	Right Tilt	Left Touch	Left Tilt
WWAN & WLAN/BT	Head	All WWAN/WLAN/BT Antennas (Ant.A/A+B/B/C/D/E/F/G)	0 mm	Yes	Yes	Yes	Yes

Wireless technologies	RF Exposure Conditions	Antennaa	DUT-to-User Separation	Test Positions					
				Rear	Front	Top	Left	Bottom	Right
WWAN	Body-worn & Hotspot	Ant.A	10 mm	Yes	Yes	No	No	Yes	Yes
		Ant.A+B	10 mm	Yes	Yes	No	Yes	Yes	Yes
		Ant.B	10 mm	Yes	Yes	No	Yes	Yes	Yes
		Ant.C	10 mm	Yes	Yes	No	Yes	Yes	No
		Ant.D	10 mm	Yes	Yes	Yes	No	No	Yes
		Ant.E	10 mm	Yes	Yes	Yes	Yes	No	No
		Ant.F	10 mm	Yes	Yes	Yes	Yes	No	Yes
		Ant.G	10 mm	Yes	Yes	No	No	No	Yes
	Product Specific 10-g	All WWAN Antennas (Ant.A/A+B/B/C/D/E/F/G)	0 mm	Refer to note 2 and 3.					
WLAN/BT	Body-worn & Hotspot	Ant.D	10 mm	Yes	Yes	Yes	No	No	Yes
		Ant.G	10 mm	Yes	Yes	No	No	No	Yes
		Ant.F	10 mm	Yes	Yes	Yes	Yes	No	Yes
	Product Specific 10-g	All WLAN/BT Antennas (Ant.D/G/F)	0 mm	Refer to note 2 and 4.					
NFC	Product Specific 10-g	NFC Ant.	0 mm	Yes	Yes	Yes	Yes	No	No

Notes:

- For Hotspot exposure condition, SAR is not required because the distance from the antenna to the edge is > 25 mm as per KDB 941225 D06 Hot Spot SAR.
- 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.
- 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.
- 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.
- Per manufacturer guide, NFC SAR was considered about only hand held condition (Product Specific 10-g).
- For Body-worn exposure condition, SAR test is considered for Rear and Front test positions.
- For Head exposure condition, All WWAN/WLAN/BT Antennas are required Head SAR test.

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Wireless technologies	RF Exposure Conditions	Antenaa	DUT-to-User Separation	Test Positions					
				Rear	Front	Top	Left	Bottom	Right
WWAN	1g Body / 10g Extremity	Ant.A	10 mm / 0mm	Yes	Yes	No	No	Yes	Yes
		Ant.A+B	10 mm / 0mm	Yes	Yes	No	No	Yes	Yes
		Ant.B	10 mm / 0mm	Yes	Yes	No	No	Yes	Yes
		Ant.C	10 mm / 0mm	Yes	Yes	No	No	Yes	No
		Ant.D	10 mm / 0mm	Yes	Yes	Yes	No	No	Yes
		Ant.E	10 mm / 0mm	Yes	Yes	Yes	No	No	No
		Ant.F	10 mm / 0mm	Yes	Yes	Yes	No	No	Yes
		Ant.G	10 mm / 0mm	Yes	Yes	No	No	No	Yes
WLAN/BT	1g Body / 10g Extremity	Ant.D	10 mm / 0mm	Yes	Yes	Yes	No	No	Yes
		Ant.G	10 mm / 0mm	Yes	Yes	No	No	No	Yes
		Ant.F	10 mm / 0mm	Yes	Yes	Yes	No	No	Yes
NFC	10g Extremity	NFC Ant.	0 mm	Yes	Yes	Yes	No	No	No

Notes:

- 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.
- Per FCC guide, UMPC mini-tablet SAR evaluated at 1-g body at 10mm and 10-g extremity at 0mm.
- 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 $\pm 2^\circ\text{C}$ of the temperature when the tissue parameters are characterized.

The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements. The 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 2 Room**

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
2-23-2024	Head 1750	e'	40.9400	Relative Permittivity (ε _r):	40.94	40.08	2.13	5
		e"	14.0000	Conductivity (σ):	1.36	1.37	-0.49	5
	Head 1710	e'	41.0500	Relative Permittivity (ε _r):	41.05	40.15	2.25	5
		e"	14.1200	Conductivity (σ):	1.34	1.35	-0.29	5
	Head 1780	e'	40.8800	Relative Permittivity (ε _r):	40.88	40.04	2.10	5
		e"	13.9200	Conductivity (σ):	1.38	1.39	-0.59	5
2-26-2024	Head 1750	e'	40.1100	Relative Permittivity (ε _r):	40.11	40.08	0.06	5
		e"	13.6300	Conductivity (σ):	1.33	1.37	-3.12	5
	Head 1710	e'	40.2300	Relative Permittivity (ε _r):	40.23	40.15	0.21	5
		e"	13.7100	Conductivity (σ):	1.30	1.35	-3.18	5
	Head 1780	e'	40.0100	Relative Permittivity (ε _r):	40.01	40.04	-0.07	5
		e"	13.6000	Conductivity (σ):	1.35	1.39	-2.88	5
2-26-2024	Head 1900	e'	39.8300	Relative Permittivity (ε _r):	39.83	40.00	-0.43	5
		e"	13.4200	Conductivity (σ):	1.42	1.40	1.27	5
	Head 1850	e'	39.8700	Relative Permittivity (ε _r):	39.87	40.00	-0.33	5
		e"	13.4400	Conductivity (σ):	1.38	1.40	-1.25	5
	Head 1915	e'	39.8100	Relative Permittivity (ε _r):	39.81	40.00	-0.47	5
		e"	13.4200	Conductivity (σ):	1.43	1.40	2.07	5
2-28-2024	Head 1750	e'	38.9200	Relative Permittivity (ε _r):	38.92	40.08	-2.91	5
		e"	13.9200	Conductivity (σ):	1.35	1.37	-1.06	5
	Head 1710	e'	39.0900	Relative Permittivity (ε _r):	39.09	40.15	-2.63	5
		e"	13.9900	Conductivity (σ):	1.33	1.35	-1.20	5
	Head 1780	e'	38.8900	Relative Permittivity (ε _r):	38.89	40.04	-2.87	5
		e"	13.9100	Conductivity (σ):	1.38	1.39	-0.66	5
2-29-2024	Head 1750	e'	40.3200	Relative Permittivity (ε _r):	40.32	40.08	0.59	5
		e"	13.6200	Conductivity (σ):	1.33	1.37	-3.19	5
	Head 1710	e'	40.4100	Relative Permittivity (ε _r):	40.41	40.15	0.66	5
		e"	13.6800	Conductivity (σ):	1.30	1.35	-3.39	5
	Head 1780	e'	40.2700	Relative Permittivity (ε _r):	40.27	40.04	0.58	5
		e"	13.5700	Conductivity (σ):	1.34	1.39	-3.09	5
2-29-2024	Head 1900	e'	40.1100	Relative Permittivity (ε _r):	40.11	40.00	0.27	5
		e"	13.3600	Conductivity (σ):	1.41	1.40	0.82	5
	Head 1850	e'	40.1500	Relative Permittivity (ε _r):	40.15	40.00	0.37	5
		e"	13.4000	Conductivity (σ):	1.38	1.40	-1.54	5
	Head 1915	e'	40.0800	Relative Permittivity (ε _r):	40.08	40.00	0.20	5
		e"	13.3300	Conductivity (σ):	1.42	1.40	1.38	5
3-4-2024	Head 1750	e'	40.3700	Relative Permittivity (ε _r):	40.37	40.08	0.71	5
		e"	13.5500	Conductivity (σ):	1.32	1.37	-3.69	5
	Head 1710	e'	40.5000	Relative Permittivity (ε _r):	40.50	40.15	0.88	5
		e"	13.6300	Conductivity (σ):	1.30	1.35	-3.75	5
	Head 1780	e'	40.2900	Relative Permittivity (ε _r):	40.29	40.04	0.63	5
		e"	13.5000	Conductivity (σ):	1.34	1.39	-3.59	5
3-5-2024	Head 1900	e'	38.2000	Relative Permittivity (ε _r):	38.20	40.00	-4.50	5
		e"	13.4900	Conductivity (σ):	1.43	1.40	1.80	5
	Head 1850	e'	38.2300	Relative Permittivity (ε _r):	38.23	40.00	-4.43	5
		e"	13.5600	Conductivity (σ):	1.39	1.40	-0.37	5
	Head 1915	e'	38.2100	Relative Permittivity (ε _r):	38.21	40.00	-4.48	5
		e"	13.4900	Conductivity (σ):	1.44	1.40	2.60	5
3-6-2024	Head 1900	e'	38.9300	Relative Permittivity (ε _r):	38.93	40.00	-2.68	5
		e"	13.8300	Conductivity (σ):	1.46	1.40	4.36	5
	Head 1850	e'	38.9600	Relative Permittivity (ε _r):	38.96	40.00	-2.60	5
		e"	13.9600	Conductivity (σ):	1.44	1.40	2.57	5
	Head 1915	e'	38.9200	Relative Permittivity (ε _r):	38.92	40.00	-2.70	5
		e"	13.7900	Conductivity (σ):	1.47	1.40	4.88	5
3-7-2024	Head 1750	e'	39.9200	Relative Permittivity (ε _r):	39.92	40.08	-0.41	5
		e"	13.5800	Conductivity (σ):	1.32	1.37	-3.47	5
	Head 1710	e'	40.0200	Relative Permittivity (ε _r):	40.02	40.15	-0.31	5
		e"	13.7400	Conductivity (σ):	1.31	1.35	-2.97	5
	Head 1780	e'	39.8600	Relative Permittivity (ε _r):	39.86	40.04	-0.45	5
		e"	13.5300	Conductivity (σ):	1.34	1.39	-3.38	5

SAR 2 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
3-7-2024	Head 1900	e'	39.6900	Relative Permittivity (ε _r):	39.69	40.00	-0.78	5
		e"	13.4600	Conductivity (σ):	1.42	1.40	1.57	5
	Head 1850	e'	39.7700	Relative Permittivity (ε _r):	39.77	40.00	-0.57	5
		e"	13.4200	Conductivity (σ):	1.38	1.40	-1.40	5
	Head 1915	e'	39.6700	Relative Permittivity (ε _r):	39.67	40.00	-0.82	5
		e"	13.4500	Conductivity (σ):	1.43	1.40	2.30	5
3-8-2024	Head 1750	e'	38.7900	Relative Permittivity (ε _r):	38.79	40.08	-3.23	5
		e"	13.8000	Conductivity (σ):	1.34	1.37	-1.91	5
	Head 1710	e'	38.9600	Relative Permittivity (ε _r):	38.96	40.15	-2.95	5
		e"	13.8700	Conductivity (σ):	1.32	1.35	-2.05	5
	Head 1780	e'	38.7600	Relative Permittivity (ε _r):	38.76	40.04	-3.19	5
		e"	13.7800	Conductivity (σ):	1.36	1.39	-1.59	5
3-8-2024	Head 1900	e'	38.5900	Relative Permittivity (ε _r):	38.59	40.00	-3.52	5
		e"	13.5900	Conductivity (σ):	1.44	1.40	2.55	5
	Head 1850	e'	38.6100	Relative Permittivity (ε _r):	38.61	40.00	-3.48	5
		e"	13.6500	Conductivity (σ):	1.40	1.40	0.29	5
	Head 1915	e'	38.5600	Relative Permittivity (ε _r):	38.56	40.00	-3.60	5
		e"	13.5400	Conductivity (σ):	1.44	1.40	2.98	5
3-11-2024	Head 1750	e'	38.9400	Relative Permittivity (ε _r):	38.94	40.08	-2.86	5
		e"	13.7300	Conductivity (σ):	1.34	1.37	-2.41	5
	Head 1710	e'	39.0700	Relative Permittivity (ε _r):	39.07	40.15	-2.68	5
		e"	13.8200	Conductivity (σ):	1.31	1.35	-2.41	5
	Head 1780	e'	38.8700	Relative Permittivity (ε _r):	38.87	40.04	-2.92	5
		e"	13.6500	Conductivity (σ):	1.35	1.39	-2.52	5
3-11-2024	Head 1900	e'	38.8000	Relative Permittivity (ε _r):	38.80	40.00	-3.00	5
		e"	13.3900	Conductivity (σ):	1.41	1.40	1.04	5
	Head 1850	e'	38.8000	Relative Permittivity (ε _r):	38.80	40.00	-3.00	5
		e"	13.4400	Conductivity (σ):	1.38	1.40	-1.25	5
	Head 1915	e'	38.7900	Relative Permittivity (ε _r):	38.79	40.00	-3.03	5
		e"	13.3800	Conductivity (σ):	1.42	1.40	1.76	5
3-13-2024	Head 1750	e'	38.9200	Relative Permittivity (ε _r):	38.92	40.08	-2.91	5
		e"	13.7800	Conductivity (σ):	1.34	1.37	-2.05	5
	Head 1710	e'	39.0800	Relative Permittivity (ε _r):	39.08	40.15	-2.66	5
		e"	13.8800	Conductivity (σ):	1.32	1.35	-1.98	5
	Head 1780	e'	38.8600	Relative Permittivity (ε _r):	38.86	40.04	-2.94	5
		e"	13.7100	Conductivity (σ):	1.36	1.39	-2.09	5
3-13-2024	Head 1900	e'	38.7900	Relative Permittivity (ε _r):	38.79	40.00	-3.03	5
		e"	13.4900	Conductivity (σ):	1.43	1.40	1.80	5
	Head 1850	e'	38.7800	Relative Permittivity (ε _r):	38.78	40.00	-3.05	5
		e"	13.5300	Conductivity (σ):	1.39	1.40	-0.59	5
	Head 1915	e'	38.7800	Relative Permittivity (ε _r):	38.78	40.00	-3.05	5
		e"	13.4700	Conductivity (σ):	1.43	1.40	2.45	5
3-19-2024	Head 2600	e'	40.0100	Relative Permittivity (ε _r):	40.01	39.01	2.56	5
		e"	13.6700	Conductivity (σ):	1.98	1.96	0.72	5
	Head 2495	e'	40.2400	Relative Permittivity (ε _r):	40.24	39.14	2.80	5
		e"	13.6400	Conductivity (σ):	1.89	1.85	2.36	5
	Head 2700	e'	39.7900	Relative Permittivity (ε _r):	39.79	38.88	2.33	5
		e"	13.7500	Conductivity (σ):	2.06	2.07	-0.29	5
3-20-2024	Head 2600	e'	40.0100	Relative Permittivity (ε _r):	40.01	39.01	2.56	5
		e"	13.6700	Conductivity (σ):	1.98	1.96	0.72	5
	Head 2495	e'	40.2400	Relative Permittivity (ε _r):	40.24	39.14	2.80	5
		e"	13.6400	Conductivity (σ):	1.89	1.85	2.36	5
	Head 2700	e'	39.7900	Relative Permittivity (ε _r):	39.79	38.88	2.33	5
		e"	13.7500	Conductivity (σ):	2.06	2.07	-0.29	5
3-21-2024	Head 2600	e'	38.7600	Relative Permittivity (ε _r):	39.25	39.01	0.61	5
		e"	13.9100	Conductivity (σ):	1.91	1.96	-2.86	5
	Head 2495	e'	38.9400	Relative Permittivity (ε _r):	39.37	39.14	0.58	5
		e"	13.8800	Conductivity (σ):	1.82	1.85	-1.71	5
	Head 2700	e'	38.5700	Relative Permittivity (ε _r):	39.03	38.88	0.37	5
		e"	13.9400	Conductivity (σ):	1.99	2.07	-3.83	5

SAR 2 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
3-25-2024	head 2250	e'	38.6600	Relative Permittivity (ε _r):	38.66	39.56	-2.28	5
		e"	12.8700	Conductivity (σ):	1.61	1.62	-0.60	5
	head 2300	e'	38.6000	Relative Permittivity (ε _r):	38.60	39.47	-2.21	5
		e"	12.8700	Conductivity (σ):	1.65	1.66	-1.07	5
	head 2350	e'	38.5400	Relative Permittivity (ε _r):	38.54	39.38	-2.14	5
		e"	12.8800	Conductivity (σ):	1.68	1.71	-1.45	5
3-26-2024	head 2250	e'	38.1500	Relative Permittivity (ε _r):	38.15	39.56	-3.57	5
		e"	13.5300	Conductivity (σ):	1.69	1.62	4.50	5
	head 2300	e'	38.0800	Relative Permittivity (ε _r):	38.08	39.47	-3.53	5
		e"	13.5100	Conductivity (σ):	1.73	1.66	3.85	5
	head 2350	e'	38.0500	Relative Permittivity (ε _r):	38.05	39.38	-3.39	5
		e"	13.5300	Conductivity (σ):	1.77	1.71	3.53	5
3-27-2024	Head 2600	e'	38.8000	Relative Permittivity (ε _r):	38.80	39.01	-0.54	5
		e"	13.4100	Conductivity (σ):	1.94	1.96	-1.20	5
	Head 2495	e'	38.8900	Relative Permittivity (ε _r):	38.89	39.14	-0.65	5
		e"	13.4200	Conductivity (σ):	1.86	1.85	0.71	5
	Head 2700	e'	38.6100	Relative Permittivity (ε _r):	38.61	38.88	-0.71	5
		e"	13.4700	Conductivity (σ):	2.02	2.07	-2.32	5
3-28-2024	Head 2600	e'	39.3900	Relative Permittivity (ε _r):	39.39	39.01	0.97	5
		e"	13.7500	Conductivity (σ):	1.99	1.96	1.31	5
	Head 2495	e'	39.5700	Relative Permittivity (ε _r):	39.57	39.14	1.09	5
		e"	13.7300	Conductivity (σ):	1.90	1.85	3.04	5
	Head 2700	e'	39.2300	Relative Permittivity (ε _r):	39.23	38.88	0.89	5
		e"	13.8000	Conductivity (σ):	2.07	2.07	0.07	5
3-29-2024	Head 2600	e'	39.4900	Relative Permittivity (ε _r):	39.49	39.01	1.23	5
		e"	13.7600	Conductivity (σ):	1.99	1.96	1.38	5
	Head 2495	e'	39.6700	Relative Permittivity (ε _r):	39.67	39.14	1.35	5
		e"	13.8400	Conductivity (σ):	1.92	1.85	3.86	5
	Head 2700	e'	39.3300	Relative Permittivity (ε _r):	39.33	38.88	1.15	5
		e"	13.9100	Conductivity (σ):	2.09	2.07	0.87	5
4-1-2024	Head 2600	e'	38.9500	Relative Permittivity (ε _r):	38.95	39.01	-0.16	5
		e"	13.4500	Conductivity (σ):	1.94	1.96	-0.90	5
	Head 2495	e'	39.0500	Relative Permittivity (ε _r):	39.05	39.14	-0.24	5
		e"	13.4400	Conductivity (σ):	1.86	1.85	0.86	5
	Head 2700	e'	38.7800	Relative Permittivity (ε _r):	38.78	38.88	-0.27	5
		e"	13.5000	Conductivity (σ):	2.03	2.07	-2.10	5
4-2-2024	Head 835	e'	41.0500	Relative Permittivity (ε _r):	41.05	41.50	-1.08	5
		e"	19.5500	Conductivity (σ):	0.91	0.90	0.85	5
	Head 810	e'	41.1200	Relative Permittivity (ε _r):	41.12	41.65	-1.28	5
		e"	19.9900	Conductivity (σ):	0.90	0.90	0.29	5
	Head 850	e'	41.0100	Relative Permittivity (ε _r):	41.01	41.50	-1.18	5
		e"	19.3000	Conductivity (σ):	0.91	0.92	-0.31	5
4-5-2024	Head 2450	e'	39.5600	Relative Permittivity (ε _r):	39.56	39.20	0.92	5
		e"	12.7300	Conductivity (σ):	1.73	1.80	-3.66	5
	Head 2400	e'	39.6200	Relative Permittivity (ε _r):	39.62	39.30	0.82	5
		e"	12.7300	Conductivity (σ):	1.70	1.75	-3.02	5
	Head 2500	e'	39.5000	Relative Permittivity (ε _r):	39.50	39.14	0.93	5
		e"	12.7300	Conductivity (σ):	1.77	1.85	-4.56	5
4-9-2024	Head 2450	e'	38.5100	Relative Permittivity (ε _r):	38.51	39.20	-1.76	5
		e"	13.3300	Conductivity (σ):	1.82	1.80	0.88	5
	Head 2400	e'	38.5400	Relative Permittivity (ε _r):	38.54	39.30	-1.93	5
		e"	13.3100	Conductivity (σ):	1.78	1.75	1.40	5
	Head 2500	e'	38.5100	Relative Permittivity (ε _r):	38.51	39.14	-1.60	5
		e"	13.3500	Conductivity (σ):	1.86	1.85	0.09	5
4-10-2024	Head 750	e'	41.0800	Relative Permittivity (ε _r):	41.08	41.96	-2.10	5
		e"	21.5500	Conductivity (σ):	0.90	0.89	0.63	5
	Head 660	e'	41.2900	Relative Permittivity (ε _r):	41.29	42.42	-2.67	5
		e"	23.7100	Conductivity (σ):	0.87	0.89	-1.81	5
	Head 800	e'	40.9100	Relative Permittivity (ε _r):	40.91	41.71	-1.91	5
		e"	20.5600	Conductivity (σ):	0.91	0.90	1.97	5

SAR 2 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
4-10-2024	Head 835	e'	40.8300	Relative Permittivity (ϵ_r):	40.83	41.50	-1.61	5
		e"	19.9300	Conductivity (σ):	0.93	0.90	2.81	5
	Head 810	e'	40.8800	Relative Permittivity (ϵ_r):	40.88	41.65	-1.86	5
		e"	20.3800	Conductivity (σ):	0.92	0.90	2.25	5
	Head 850	e'	40.7900	Relative Permittivity (ϵ_r):	40.79	41.50	-1.71	5
		e"	19.6600	Conductivity (σ):	0.93	0.92	1.55	5
4-14-2024	Head 750	e'	41.0800	Relative Permittivity (ϵ_r):	40.58	41.96	-3.29	5
		e"	21.5500	Conductivity (σ):	0.91	0.89	1.89	5
	Head 660	e'	41.2900	Relative Permittivity (ϵ_r):	40.88	42.42	-3.64	5
		e"	23.7100	Conductivity (σ):	0.88	0.89	-0.58	5
	Head 800	e'	40.9100	Relative Permittivity (ϵ_r):	40.45	41.71	-3.01	5
		e"	20.5600	Conductivity (σ):	0.93	0.90	3.58	5
4-14-2024	Head 835	e'	40.8300	Relative Permittivity (ϵ_r):	40.33	41.50	-2.82	5
		e"	19.9300	Conductivity (σ):	0.94	0.90	4.61	5
	Head 810	e'	40.8800	Relative Permittivity (ϵ_r):	40.41	41.65	-2.99	5
		e"	20.3800	Conductivity (σ):	0.93	0.90	3.90	5
	Head 850	e'	40.7900	Relative Permittivity (ϵ_r):	40.28	41.50	-2.94	5
		e"	19.6600	Conductivity (σ):	0.95	0.92	3.50	5
4-17-2024	Head 2600	e'	38.9500	Relative Permittivity (ϵ_r):	38.91	39.01	-0.26	5
		e"	13.4500	Conductivity (σ):	1.91	1.96	-2.51	5
	Head 2495	e'	39.0500	Relative Permittivity (ϵ_r):	39.06	39.14	-0.21	5
		e"	13.4400	Conductivity (σ):	1.82	1.85	-1.60	5
	Head 2700	e'	38.7800	Relative Permittivity (ϵ_r):	38.69	38.88	-0.50	5
		e"	13.5000	Conductivity (σ):	2.00	2.07	-3.49	5
4-22-2024	Head 2600	e'	38.9500	Relative Permittivity (ϵ_r):	37.75	39.01	-3.23	5
		e"	13.4500	Conductivity (σ):	1.91	1.96	-2.51	5
	Head 2495	e'	39.0500	Relative Permittivity (ϵ_r):	37.94	39.14	-3.07	5
		e"	13.4400	Conductivity (σ):	1.84	1.85	-0.63	5
	Head 2700	e'	38.7800	Relative Permittivity (ϵ_r):	37.62	38.88	-3.25	5
		e"	13.5000	Conductivity (σ):	1.98	2.07	-4.41	5

SAR 3 Room

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
2-21-2024	Head 1900	e'	39.8700	Relative Permittivity (ϵ_r):	39.87	40.00	-0.33	5
		e"	13.2300	Conductivity (σ):	1.40	1.40	-0.16	5
	Head 1850	e'	39.8200	Relative Permittivity (ϵ_r):	39.82	40.00	-0.45	5
		e"	13.4000	Conductivity (σ):	1.38	1.40	-1.54	5
	Head 1915	e'	39.8800	Relative Permittivity (ϵ_r):	39.88	40.00	-0.30	5
		e"	13.1900	Conductivity (σ):	1.40	1.40	0.32	5
2-22-2024	Head 1750	e'	40.0900	Relative Permittivity (ϵ_r):	40.09	40.08	0.01	5
		e"	13.7400	Conductivity (σ):	1.34	1.37	-2.34	5
	Head 1710	e'	40.1100	Relative Permittivity (ϵ_r):	40.11	40.15	-0.09	5
		e"	13.9000	Conductivity (σ):	1.32	1.35	-1.84	5
	Head 1780	e'	40.0000	Relative Permittivity (ϵ_r):	40.00	40.04	-0.10	5
		e"	13.6800	Conductivity (σ):	1.35	1.39	-2.30	5
2-22-2024	Head 1900	e'	39.8300	Relative Permittivity (ϵ_r):	39.83	40.00	-0.43	5
		e"	13.5800	Conductivity (σ):	1.43	1.40	2.48	5
	Head 1850	e'	39.9200	Relative Permittivity (ϵ_r):	39.92	40.00	-0.20	5
		e"	13.6100	Conductivity (σ):	1.40	1.40	0.00	5
	Head 1915	e'	39.8000	Relative Permittivity (ϵ_r):	39.80	40.00	-0.50	5
		e"	13.5600	Conductivity (σ):	1.44	1.40	3.13	5
2-23-2024	Head 1750	e'	40.0300	Relative Permittivity (ϵ_r):	40.03	40.08	-0.14	5
		e"	13.7300	Conductivity (σ):	1.34	1.37	-2.41	5
	Head 1710	e'	40.1700	Relative Permittivity (ϵ_r):	40.17	40.15	0.06	5
		e"	13.7800	Conductivity (σ):	1.31	1.35	-2.69	5
	Head 1780	e'	39.9400	Relative Permittivity (ϵ_r):	39.94	40.04	-0.25	5
		e"	13.6800	Conductivity (σ):	1.35	1.39	-2.30	5
2-23-2024	Head 1900	e'	39.8200	Relative Permittivity (ϵ_r):	39.82	40.00	-0.45	5
		e"	12.9000	Conductivity (σ):	1.36	1.40	-2.65	5
	Head 1850	e'	39.9100	Relative Permittivity (ϵ_r):	39.91	40.00	-0.23	5
		e"	13.0200	Conductivity (σ):	1.34	1.40	-4.33	5
	Head 1915	e'	39.8300	Relative Permittivity (ϵ_r):	39.83	40.00	-0.43	5
		e"	12.8900	Conductivity (σ):	1.37	1.40	-1.96	5
2-26-2024	Head 1750	e'	39.9100	Relative Permittivity (ϵ_r):	39.91	40.08	-0.44	5
		e"	14.0000	Conductivity (σ):	1.36	1.37	-0.49	5
	Head 1710	e'	40.0000	Relative Permittivity (ϵ_r):	40.00	40.15	-0.36	5
		e"	14.1300	Conductivity (σ):	1.34	1.35	-0.22	5
	Head 1780	e'	39.8200	Relative Permittivity (ϵ_r):	39.82	40.04	-0.55	5
		e"	13.9400	Conductivity (σ):	1.38	1.39	-0.45	5
2-29-2024	Head 2450	e'	39.3100	Relative Permittivity (ϵ_r):	39.31	39.20	0.28	5
		e"	12.8600	Conductivity (σ):	1.75	1.80	-2.67	5
	Head 2400	e'	39.4100	Relative Permittivity (ϵ_r):	39.41	39.30	0.29	5
		e"	12.8700	Conductivity (σ):	1.72	1.75	-1.95	5
	Head 2480	e'	39.2500	Relative Permittivity (ϵ_r):	39.25	39.16	0.22	5
		e"	12.8500	Conductivity (σ):	1.77	1.83	-3.30	5
3-5-2024	Head 835	e'	41.1300	Relative Permittivity (ϵ_r):	41.13	41.50	-0.89	5
		e"	20.1200	Conductivity (σ):	0.93	0.90	3.79	5
	Head 810	e'	41.2000	Relative Permittivity (ϵ_r):	41.20	41.65	-1.09	5
		e"	20.5700	Conductivity (σ):	0.93	0.90	3.20	5
	Head 850	e'	41.0700	Relative Permittivity (ϵ_r):	41.07	41.50	-1.04	5
		e"	19.8800	Conductivity (σ):	0.94	0.92	2.69	5
3-6-2024	Head 835	e'	43.1300	Relative Permittivity (ϵ_r):	43.13	41.50	3.93	5
		e"	20.2100	Conductivity (σ):	0.94	0.90	4.26	5
	Head 810	e'	43.1900	Relative Permittivity (ϵ_r):	43.19	41.65	3.69	5
		e"	20.6700	Conductivity (σ):	0.93	0.90	3.70	5
	Head 850	e'	43.0900	Relative Permittivity (ϵ_r):	43.09	41.50	3.83	5
		e"	19.9700	Conductivity (σ):	0.94	0.92	3.15	5
3-7-2024	Head 750	e'	42.6200	Relative Permittivity (ϵ_r):	42.62	41.96	1.57	5
		e"	21.5900	Conductivity (σ):	0.90	0.89	0.81	5
	Head 660	e'	42.8300	Relative Permittivity (ϵ_r):	42.83	42.42	0.96	5
		e"	23.8500	Conductivity (σ):	0.88	0.89	-1.23	5
	Head 800	e'	42.4900	Relative Permittivity (ϵ_r):	42.49	41.71	1.88	5
		e"	20.5800	Conductivity (σ):	0.92	0.90	2.07	5

SAR 3 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
3-7-2024	Head 835	e'	42.4100	Relative Permittivity (ϵ_r):	42.41	41.50	2.19	5
		e"	19.9500	Conductivity (σ):	0.93	0.90	2.92	5
	Head 810	e'	42.4700	Relative Permittivity (ϵ_r):	42.47	41.65	1.96	5
		e"	20.4000	Conductivity (σ):	0.92	0.90	2.35	5
	Head 850	e'	42.3500	Relative Permittivity (ϵ_r):	42.35	41.50	2.05	5
		e"	19.6900	Conductivity (σ):	0.93	0.92	1.71	5
3-8-2024	Head 750	e'	42.7400	Relative Permittivity (ϵ_r):	42.74	41.96	1.86	5
		e"	21.7100	Conductivity (σ):	0.91	0.89	1.38	5
	Head 660	e'	42.9500	Relative Permittivity (ϵ_r):	42.95	42.42	1.24	5
		e"	23.9700	Conductivity (σ):	0.88	0.89	-0.73	5
	Head 800	e'	42.6100	Relative Permittivity (ϵ_r):	42.61	41.71	2.17	5
		e"	20.7000	Conductivity (σ):	0.92	0.90	2.66	5
3-8-2024	Head 835	e'	42.8300	Relative Permittivity (ϵ_r):	42.83	41.50	3.20	5
		e"	20.0700	Conductivity (σ):	0.93	0.90	3.54	5
	Head 810	e'	42.5900	Relative Permittivity (ϵ_r):	42.59	41.65	2.25	5
		e"	20.4200	Conductivity (σ):	0.92	0.90	2.45	5
	Head 850	e'	42.4700	Relative Permittivity (ϵ_r):	42.47	41.50	2.34	5
		e"	19.8100	Conductivity (σ):	0.94	0.92	2.32	5
3-11-2024	Head 750	e'	41.9300	Relative Permittivity (ϵ_r):	41.93	41.96	-0.08	5
		e"	21.6500	Conductivity (σ):	0.90	0.89	1.09	5
	Head 660	e'	42.1400	Relative Permittivity (ϵ_r):	42.14	42.42	-0.67	5
		e"	24.2200	Conductivity (σ):	0.89	0.89	0.30	5
	Head 800	e'	41.8100	Relative Permittivity (ϵ_r):	41.81	41.71	0.25	5
		e"	20.4200	Conductivity (σ):	0.91	0.90	1.27	5
3-11-2024	Head 835	e'	41.7700	Relative Permittivity (ϵ_r):	41.77	41.50	0.65	5
		e"	19.6200	Conductivity (σ):	0.91	0.90	1.21	5
	Head 810	e'	41.8000	Relative Permittivity (ϵ_r):	41.80	41.65	0.35	5
		e"	20.1900	Conductivity (σ):	0.91	0.90	1.30	5
	Head 850	e'	41.7400	Relative Permittivity (ϵ_r):	41.74	41.50	0.58	5
		e"	19.3100	Conductivity (σ):	0.91	0.92	-0.26	5
3-12-2024	Head 750	e'	41.3200	Relative Permittivity (ϵ_r):	41.32	41.96	-1.53	5
		e"	21.6500	Conductivity (σ):	0.90	0.89	1.09	5
	Head 660	e'	41.4800	Relative Permittivity (ϵ_r):	41.48	42.42	-2.22	5
		e"	23.9000	Conductivity (σ):	0.88	0.89	-1.02	5
	Head 800	e'	41.2300	Relative Permittivity (ϵ_r):	41.23	41.71	-1.14	5
		e"	20.6300	Conductivity (σ):	0.92	0.90	2.31	5
3-12-2024	Head 835	e'	41.1800	Relative Permittivity (ϵ_r):	41.18	41.50	-0.77	5
		e"	19.9400	Conductivity (σ):	0.93	0.90	2.87	5
	Head 810	e'	41.2100	Relative Permittivity (ϵ_r):	41.21	41.65	-1.07	5
		e"	20.4200	Conductivity (σ):	0.92	0.90	2.45	5
	Head 850	e'	41.1400	Relative Permittivity (ϵ_r):	41.14	41.50	-0.87	5
		e"	19.6700	Conductivity (σ):	0.93	0.92	1.60	5
3-13-2024	Head 750	e'	42.3400	Relative Permittivity (ϵ_r):	42.34	41.96	0.90	5
		e"	21.1800	Conductivity (σ):	0.88	0.89	-1.10	5
	Head 660	e'	42.8400	Relative Permittivity (ϵ_r):	42.84	42.42	0.98	5
		e"	23.4900	Conductivity (σ):	0.86	0.89	-2.72	5
	Head 800	e'	42.2100	Relative Permittivity (ϵ_r):	42.21	41.71	1.21	5
		e"	20.2700	Conductivity (σ):	0.90	0.90	0.53	5
3-13-2024	Head 835	e'	42.0700	Relative Permittivity (ϵ_r):	42.07	41.50	1.37	5
		e"	19.5600	Conductivity (σ):	0.91	0.90	0.90	5
	Head 810	e'	42.1700	Relative Permittivity (ϵ_r):	42.17	41.65	1.24	5
		e"	20.0400	Conductivity (σ):	0.90	0.90	0.54	5
	Head 850	e'	42.0200	Relative Permittivity (ϵ_r):	42.02	41.50	1.25	5
		e"	19.5600	Conductivity (σ):	0.92	0.92	1.03	5
3-14-2024	Head 835	e'	41.2400	Relative Permittivity (ϵ_r):	41.24	41.50	-0.63	5
		e"	19.4500	Conductivity (σ):	0.90	0.90	0.34	5
	Head 810	e'	41.3500	Relative Permittivity (ϵ_r):	41.35	41.65	-0.73	5
		e"	19.9300	Conductivity (σ):	0.90	0.90	-0.01	5
	Head 850	e'	41.1800	Relative Permittivity (ϵ_r):	41.18	41.50	-0.77	5
		e"	19.2100	Conductivity (σ):	0.91	0.92	-0.77	5

SAR 3 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
3-18-2024	Head 2600	e'	38.9900	Relative Permittivity (ϵ_r):	38.99	39.01	-0.05	5
		e"	13.4000	Conductivity (σ):	1.94	1.96	-1.27	5
	Head 2495	e'	39.1300	Relative Permittivity (ϵ_r):	39.13	39.14	-0.03	5
		e"	13.4800	Conductivity (σ):	1.87	1.85	1.16	5
	Head 2700	e'	38.8700	Relative Permittivity (ϵ_r):	38.87	38.88	-0.04	5
		e"	13.2900	Conductivity (σ):	2.00	2.07	-3.63	5
3-21-2024	Head 2450	e'	39.1800	Relative Permittivity (ϵ_r):	39.18	39.20	-0.05	5
		e"	13.1800	Conductivity (σ):	1.80	1.80	-0.25	5
	Head 2400	e'	39.2000	Relative Permittivity (ϵ_r):	39.20	39.30	-0.25	5
		e"	13.2000	Conductivity (σ):	1.76	1.75	0.56	5
	Head 2480	e'	39.1300	Relative Permittivity (ϵ_r):	39.13	39.16	-0.08	5
		e"	13.1600	Conductivity (σ):	1.81	1.83	-0.97	5
3-22-2024	Head 2450	e'	38.7100	Relative Permittivity (ϵ_r):	38.71	39.20	-1.25	5
		e"	12.6900	Conductivity (σ):	1.73	1.80	-3.96	5
	Head 2400	e'	38.7900	Relative Permittivity (ϵ_r):	38.79	39.30	-1.29	5
		e"	12.7200	Conductivity (σ):	1.70	1.75	-3.09	5
	Head 2480	e'	38.6500	Relative Permittivity (ϵ_r):	38.65	39.16	-1.31	5
		e"	12.7200	Conductivity (σ):	1.75	1.83	-4.28	5
3-25-2024	Head 2450	e'	39.8400	Relative Permittivity (ϵ_r):	39.84	39.20	1.63	5
		e"	12.8700	Conductivity (σ):	1.75	1.80	-2.60	5
	Head 2400	e'	39.9500	Relative Permittivity (ϵ_r):	39.95	39.30	1.66	5
		e"	12.8500	Conductivity (σ):	1.71	1.75	-2.10	5
	Head 2480	e'	39.7700	Relative Permittivity (ϵ_r):	39.77	39.16	1.55	5
		e"	12.8900	Conductivity (σ):	1.78	1.83	-3.00	5
3-26-2024	Head 2450	e'	39.9500	Relative Permittivity (ϵ_r):	39.95	39.20	1.91	5
		e"	12.9300	Conductivity (σ):	1.76	1.80	-2.14	5
	Head 2400	e'	40.0600	Relative Permittivity (ϵ_r):	40.06	39.30	1.94	5
		e"	12.9300	Conductivity (σ):	1.73	1.75	-1.49	5
	Head 2480	e'	39.8900	Relative Permittivity (ϵ_r):	39.89	39.16	1.86	5
		e"	12.9300	Conductivity (σ):	1.78	1.83	-2.70	5
3-27-2024	Head 2450	e'	39.5900	Relative Permittivity (ϵ_r):	39.59	39.20	0.99	5
		e"	12.8500	Conductivity (σ):	1.75	1.80	-2.75	5
	Head 2400	e'	39.7000	Relative Permittivity (ϵ_r):	39.70	39.30	1.03	5
		e"	12.9000	Conductivity (σ):	1.72	1.75	-1.72	5
	Head 2480	e'	39.5400	Relative Permittivity (ϵ_r):	39.54	39.16	0.96	5
		e"	12.8200	Conductivity (σ):	1.77	1.83	-3.53	5
3-28-2024	Head 2450	e'	39.2900	Relative Permittivity (ϵ_r):	39.29	39.20	0.23	5
		e"	12.8000	Conductivity (σ):	1.74	1.80	-3.13	5
	Head 2400	e'	39.3400	Relative Permittivity (ϵ_r):	39.34	39.30	0.11	5
		e"	12.7900	Conductivity (σ):	1.71	1.75	-2.56	5
	Head 2480	e'	39.2400	Relative Permittivity (ϵ_r):	39.24	39.16	0.20	5
		e"	12.8200	Conductivity (σ):	1.77	1.83	-3.53	5
4-1-2024	Head 3500	e'	37.2600	Relative Permittivity (ϵ_r):	37.26	37.93	-1.77	5
		e"	14.4500	Conductivity (σ):	2.81	2.91	-3.42	5
	Head 3600	e'	37.0200	Relative Permittivity (ϵ_r):	37.02	37.82	-2.10	5
		e"	14.5900	Conductivity (σ):	2.92	3.01	-3.10	5
	Head 3700	e'	36.8100	Relative Permittivity (ϵ_r):	36.81	37.70	-2.36	5
		e"	14.7100	Conductivity (σ):	3.03	3.12	-2.89	5
	Head 3800	e'	36.5700	Relative Permittivity (ϵ_r):	36.57	37.59	-2.71	5
		e"	14.8200	Conductivity (σ):	3.13	3.22	-2.71	5
	Head 3900	e'	36.3700	Relative Permittivity (ϵ_r):	36.37	37.47	-2.94	5
		e"	14.9300	Conductivity (σ):	3.24	3.32	-2.51	5
	Head 3980	e'	36.1900	Relative Permittivity (ϵ_r):	36.19	37.38	-3.19	5
		e"	15.0200	Conductivity (σ):	3.32	3.40	-2.32	5
4-2-2024	head 2250	e'	38.9400	Relative Permittivity (ϵ_r):	38.94	39.56	-1.57	5
		e"	12.6200	Conductivity (σ):	1.58	1.62	-2.53	5
	head 2300	e'	38.7900	Relative Permittivity (ϵ_r):	38.79	39.47	-1.73	5
		e"	12.6500	Conductivity (σ):	1.62	1.66	-2.76	5
	head 2350	e'	39.7100	Relative Permittivity (ϵ_r):	39.71	39.38	0.83	5
		e"	12.6600	Conductivity (σ):	1.65	1.71	-3.13	5
4-4-2024	head 2250	e'	40.1400	Relative Permittivity (ϵ_r):	40.14	39.56	1.47	5
		e"	13.2200	Conductivity (σ):	1.65	1.62	2.11	5
	head 2300	e'	40.0600	Relative Permittivity (ϵ_r):	40.06	39.47	1.49	5
		e"	13.2000	Conductivity (σ):	1.69	1.66	1.47	5
	head 2350	e'	39.9600	Relative Permittivity (ϵ_r):	39.96	39.38	1.46	5
		e"	13.1900	Conductivity (σ):	1.72	1.71	0.93	5

SAR 3 Room (Continued)

Date	Freq. (MHz)		Liquid Parameters	Measured	Target	Delta (%)	Limit ±(%)	
4-4-2024	Head 1750	e'	40.9900	Relative Permittivity (ε _r):	40.99	40.08	2.26	5
		e"	14.1300	Conductivity (σ):	1.37	1.37	0.43	5
	Head 1710	e'	41.1200	Relative Permittivity (ε _r):	41.12	40.15	2.43	5
		e"	14.2300	Conductivity (σ):	1.35	1.35	0.49	5
	Head 1780	e'	40.9200	Relative Permittivity (ε _r):	40.92	40.04	2.20	5
		e"	14.0300	Conductivity (σ):	1.39	1.39	0.19	5
4-4-2024	Head 2600	e'	39.6500	Relative Permittivity (ε _r):	39.65	39.01	1.64	5
		e"	13.1100	Conductivity (σ):	1.90	1.96	-3.41	5
	Head 2495	e'	39.7400	Relative Permittivity (ε _r):	39.74	39.14	1.52	5
		e"	13.0900	Conductivity (σ):	1.82	1.85	-1.77	5
	Head 2700	e'	39.5100	Relative Permittivity (ε _r):	39.51	38.88	1.61	5
		e"	13.1700	Conductivity (σ):	1.98	2.07	-4.50	5
4-5-2024	Head 5200	e'	36.1900	Relative Permittivity (ε _r):	36.19	35.99	0.56	5
		e"	15.9800	Conductivity (σ):	4.62	4.65	-0.66	5
	Head 5250	e'	36.0800	Relative Permittivity (ε _r):	36.08	35.93	0.41	5
		e"	16.0300	Conductivity (σ):	4.68	4.70	-0.48	5
	Head 5600	e'	35.3200	Relative Permittivity (ε _r):	35.32	35.53	-0.60	5
		e"	16.2900	Conductivity (σ):	5.07	5.06	0.24	5
	Head 5750	e'	35.0000	Relative Permittivity (ε _r):	35.00	35.36	-1.03	5
		e"	16.4400	Conductivity (σ):	5.26	5.21	0.81	5
	Head 5800	e'	34.9100	Relative Permittivity (ε _r):	34.91	35.30	-1.10	5
		e"	16.4800	Conductivity (σ):	5.31	5.27	0.85	5
	Head 5925	e'	34.6600	Relative Permittivity (ε _r):	34.66	35.20	-1.53	5
		e"	16.5900	Conductivity (σ):	5.47	5.40	1.21	5
4-9-2024	Head 5200	e'	36.7600	Relative Permittivity (ε _r):	36.76	35.99	2.14	5
		e"	15.5600	Conductivity (σ):	4.50	4.65	-3.27	5
	Head 5250	e'	36.7100	Relative Permittivity (ε _r):	36.71	35.93	2.16	5
		e"	15.6100	Conductivity (σ):	4.56	4.70	-3.09	5
	Head 5600	e'	36.1600	Relative Permittivity (ε _r):	36.16	35.53	1.76	5
		e"	15.9000	Conductivity (σ):	4.95	5.06	-2.16	5
	Head 5750	e'	35.8900	Relative Permittivity (ε _r):	35.89	35.36	1.49	5
		e"	16.0000	Conductivity (σ):	5.12	5.21	-1.88	5
	Head 5800	e'	35.7900	Relative Permittivity (ε _r):	35.79	35.30	1.39	5
		e"	16.0400	Conductivity (σ):	5.17	5.27	-1.84	5
	Head 5925	e'	35.5700	Relative Permittivity (ε _r):	35.57	35.20	1.05	5
		e"	16.1100	Conductivity (σ):	5.31	5.40	-1.71	5
4-13-2024	Head 3500	e'	37.9900	Relative Permittivity (ε _r):	37.99	37.93	0.16	5
		e"	15.0800	Conductivity (σ):	2.93	2.91	0.79	5
	Head 3600	e'	37.8100	Relative Permittivity (ε _r):	37.81	37.82	-0.01	5
		e"	15.1800	Conductivity (σ):	3.04	3.01	0.82	5
	Head 3700	e'	37.6300	Relative Permittivity (ε _r):	37.63	37.70	-0.19	5
		e"	15.2600	Conductivity (σ):	3.14	3.12	0.75	5
	Head 3800	e'	37.4500	Relative Permittivity (ε _r):	37.45	37.59	-0.37	5
		e"	15.3500	Conductivity (σ):	3.24	3.22	0.77	5
	Head 3900	e'	37.2800	Relative Permittivity (ε _r):	37.28	37.47	-0.52	5
		e"	15.4400	Conductivity (σ):	3.35	3.32	0.82	5
	Head 3980	e'	37.1600	Relative Permittivity (ε _r):	37.16	37.38	-0.59	5
		e"	15.5000	Conductivity (σ):	3.43	3.40	0.81	5
4-17-2024	Head 3500	e'	38.2800	Relative Permittivity (ε _r):	38.28	37.93	0.92	5
		e"	15.0700	Conductivity (σ):	2.93	2.91	0.73	5
	Head 3600	e'	38.1000	Relative Permittivity (ε _r):	38.10	37.82	0.75	5
		e"	15.1800	Conductivity (σ):	3.04	3.01	0.82	5
	Head 3700	e'	37.9200	Relative Permittivity (ε _r):	37.92	37.70	0.58	5
		e"	15.2600	Conductivity (σ):	3.14	3.12	0.75	5
	Head 3800	e'	37.7400	Relative Permittivity (ε _r):	37.74	37.59	0.41	5
		e"	15.3500	Conductivity (σ):	3.24	3.22	0.77	5
	Head 3900	e'	37.5700	Relative Permittivity (ε _r):	37.57	37.47	0.26	5
		e"	15.4400	Conductivity (σ):	3.35	3.32	0.82	5
	Head 3980	e'	37.4400	Relative Permittivity (ε _r):	37.44	37.38	0.16	5
		e"	15.5000	Conductivity (σ):	3.43	3.40	0.81	5
4-22-2024	Head 2600	e'	39.3100	Relative Permittivity (ε _r):	39.31	39.01	0.77	5
		e"	13.1800	Conductivity (σ):	1.91	1.96	-2.89	5
	Head 2495	e'	39.4600	Relative Permittivity (ε _r):	39.46	39.14	0.81	5
		e"	13.1900	Conductivity (σ):	1.83	1.85	-1.02	5
	Head 2700	e'	39.1400	Relative Permittivity (ε _r):	39.14	38.88	0.66	5
		e"	13.1500	Conductivity (σ):	1.97	2.07	-4.64	5
4-25-2024	Head 2600	e'	38.6000	Relative Permittivity (ε _r):	38.60	39.01	-1.05	5
		e"	13.5800	Conductivity (σ):	1.96	1.96	0.05	5
	Head 2495	e'	38.6700	Relative Permittivity (ε _r):	38.67	39.14	-1.21	5
		e"	13.5400	Conductivity (σ):	1.88	1.85	1.61	5
	Head 2700	e'	38.4500	Relative Permittivity (ε _r):	38.45	38.88	-1.12	5
		e"	13.6200	Conductivity (σ):	2.04	2.07	-1.23	5

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Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
2-21-2024	Head 750	e'	41.4100	Relative Permittivity (ϵ_r):	41.41	41.96	-1.31	5
		e"	21.0500	Conductivity (σ):	0.88	0.89	-1.71	5
	Head 660	e'	41.8000	Relative Permittivity (ϵ_r):	41.80	42.42	-1.47	5
		e"	23.3900	Conductivity (σ):	0.86	0.89	-3.14	5
	Head 800	e'	41.3900	Relative Permittivity (ϵ_r):	41.39	41.71	-0.76	5
		e"	20.1100	Conductivity (σ):	0.89	0.90	-0.27	5
2-22-2024	Head 750	e'	41.5400	Relative Permittivity (ϵ_r):	41.54	41.96	-1.00	5
		e"	21.5400	Conductivity (σ):	0.90	0.89	0.58	5
	Head 660	e'	41.7800	Relative Permittivity (ϵ_r):	41.78	42.42	-1.52	5
		e"	23.4500	Conductivity (σ):	0.86	0.89	-2.89	5
	Head 800	e'	41.3300	Relative Permittivity (ϵ_r):	41.33	41.71	-0.90	5
		e"	20.4400	Conductivity (σ):	0.91	0.90	1.37	5
2-23-2024	Head 750	e'	42.2400	Relative Permittivity (ϵ_r):	42.24	41.96	0.66	5
		e"	21.8200	Conductivity (σ):	0.91	0.89	1.89	5
	Head 660	e'	42.5100	Relative Permittivity (ϵ_r):	42.51	42.42	0.20	5
		e"	24.1300	Conductivity (σ):	0.89	0.89	-0.07	5
	Head 800	e'	42.1400	Relative Permittivity (ϵ_r):	42.14	41.71	1.04	5
		e"	20.8300	Conductivity (σ):	0.93	0.90	3.31	5
2-26-2024	Head 750	e'	42.0300	Relative Permittivity (ϵ_r):	42.03	41.96	0.16	5
		e"	20.9000	Conductivity (σ):	0.87	0.89	-2.41	5
	Head 660	e'	42.3000	Relative Permittivity (ϵ_r):	42.30	42.42	-0.29	5
		e"	22.9500	Conductivity (σ):	0.84	0.89	-4.96	5
	Head 800	e'	41.8700	Relative Permittivity (ϵ_r):	41.87	41.71	0.40	5
		e"	20.0400	Conductivity (σ):	0.89	0.90	-0.61	5
2-26-2024	Head 835	e'	41.7900	Relative Permittivity (ϵ_r):	41.79	41.50	0.70	5
		e"	19.4600	Conductivity (σ):	0.90	0.90	0.39	5
	Head 810	e'	41.8600	Relative Permittivity (ϵ_r):	41.86	41.65	0.49	5
		e"	19.8700	Conductivity (σ):	0.89	0.90	-0.31	5
	Head 850	e'	41.7200	Relative Permittivity (ϵ_r):	41.72	41.50	0.53	5
		e"	19.2400	Conductivity (σ):	0.91	0.92	-0.62	5
2-27-2024	Head 750	e'	41.4700	Relative Permittivity (ϵ_r):	41.47	41.96	-1.17	5
		e"	21.2600	Conductivity (σ):	0.89	0.89	-0.73	5
	Head 660	e'	41.7800	Relative Permittivity (ϵ_r):	41.78	42.42	-1.52	5
		e"	23.4500	Conductivity (σ):	0.86	0.89	-2.89	5
	Head 800	e'	41.3500	Relative Permittivity (ϵ_r):	41.35	41.71	-0.85	5
		e"	20.3400	Conductivity (σ):	0.90	0.90	0.88	5
2-28-2024	Head 750	e'	42.0600	Relative Permittivity (ϵ_r):	42.06	41.96	0.23	5
		e"	21.0300	Conductivity (σ):	0.88	0.89	-1.80	5
	Head 660	e'	42.5200	Relative Permittivity (ϵ_r):	42.52	42.42	0.23	5
		e"	23.1700	Conductivity (σ):	0.85	0.89	-4.05	5
	Head 800	e'	42.0000	Relative Permittivity (ϵ_r):	42.00	41.71	0.71	5
		e"	20.0600	Conductivity (σ):	0.89	0.90	-0.51	5
2-28-2024	Head 835	e'	41.8700	Relative Permittivity (ϵ_r):	41.87	41.50	0.89	5
		e"	19.4000	Conductivity (σ):	0.90	0.90	0.08	5
	Head 810	e'	41.9700	Relative Permittivity (ϵ_r):	41.97	41.65	0.76	5
		e"	19.8600	Conductivity (σ):	0.89	0.90	-0.36	5
	Head 850	e'	41.8000	Relative Permittivity (ϵ_r):	41.80	41.50	0.72	5
		e"	19.1600	Conductivity (σ):	0.91	0.92	-1.03	5
2-29-2024	Head 750	e'	42.2900	Relative Permittivity (ϵ_r):	42.29	41.96	0.78	5
		e"	21.4900	Conductivity (σ):	0.90	0.89	0.35	5
	Head 660	e'	42.6200	Relative Permittivity (ϵ_r):	42.62	42.42	0.46	5
		e"	23.7300	Conductivity (σ):	0.87	0.89	-1.73	5
	Head 800	e'	42.1600	Relative Permittivity (ϵ_r):	42.16	41.71	1.09	5
		e"	20.5200	Conductivity (σ):	0.91	0.90	1.77	5
2-29-2024	Head 835	e'	42.0600	Relative Permittivity (ϵ_r):	42.06	41.50	1.35	5
		e"	19.8300	Conductivity (σ):	0.92	0.90	2.30	5
	Head 810	e'	42.1400	Relative Permittivity (ϵ_r):	42.14	41.65	1.17	5
		e"	20.3100	Conductivity (σ):	0.91	0.90	1.90	5
	Head 850	e'	42.0100	Relative Permittivity (ϵ_r):	42.01	41.50	1.23	5
		e"	19.5700	Conductivity (σ):	0.92	0.92	1.09	5

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Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
3-20-2024	Head 5200	e'	35.4200	Relative Permittivity (ϵ_r):	35.42	35.99	-1.58	5
		e"	15.7300	Conductivity (σ):	4.55	4.65	-2.21	5
	Head 5250	e'	35.3300	Relative Permittivity (ϵ_r):	35.33	35.93	-1.68	5
		e"	15.7600	Conductivity (σ):	4.60	4.70	-2.16	5
	Head 5600	e'	34.6900	Relative Permittivity (ϵ_r):	34.69	35.53	-2.37	5
		e"	16.0200	Conductivity (σ):	4.99	5.06	-1.42	5
	Head 5750	e'	34.4200	Relative Permittivity (ϵ_r):	34.42	35.36	-2.67	5
		e"	16.1400	Conductivity (σ):	5.16	5.21	-1.03	5
	Head 5800	e'	34.3300	Relative Permittivity (ϵ_r):	34.33	35.30	-2.75	5
		e"	16.1800	Conductivity (σ):	5.22	5.27	-0.99	5
	Head 5925	e'	34.1100	Relative Permittivity (ϵ_r):	34.11	35.20	-3.10	5
		e"	16.2600	Conductivity (σ):	5.36	5.40	-0.80	5
3-21-2024	Head 5200	e'	35.1000	Relative Permittivity (ϵ_r):	35.10	35.99	-2.47	5
		e"	16.4600	Conductivity (σ):	4.76	4.65	2.33	5
	Head 5250	e'	35.0100	Relative Permittivity (ϵ_r):	35.01	35.93	-2.57	5
		e"	16.4900	Conductivity (σ):	4.81	4.70	2.37	5
	Head 5600	e'	34.3200	Relative Permittivity (ϵ_r):	34.32	35.53	-3.42	5
		e"	16.7400	Conductivity (σ):	5.21	5.06	3.01	5
	Head 5750	e'	34.0000	Relative Permittivity (ϵ_r):	34.00	35.36	-3.85	5
		e"	16.8700	Conductivity (σ):	5.39	5.21	3.45	5
	Head 5800	e'	33.9200	Relative Permittivity (ϵ_r):	33.92	35.30	-3.91	5
		e"	16.9200	Conductivity (σ):	5.46	5.27	3.54	5
	Head 5925	e'	33.6700	Relative Permittivity (ϵ_r):	33.67	35.20	-4.35	5
		e"	16.9900	Conductivity (σ):	5.60	5.40	3.65	5
3-22-2024	Head 5200	e'	35.2100	Relative Permittivity (ϵ_r):	35.21	35.99	-2.17	5
		e"	15.6900	Conductivity (σ):	4.54	4.65	-2.46	5
	Head 5250	e'	35.1200	Relative Permittivity (ϵ_r):	35.12	35.93	-2.26	5
		e"	15.7200	Conductivity (σ):	4.59	4.70	-2.41	5
	Head 5600	e'	34.4800	Relative Permittivity (ϵ_r):	34.48	35.53	-2.97	5
		e"	15.9800	Conductivity (σ):	4.98	5.06	-1.67	5
	Head 5750	e'	34.1900	Relative Permittivity (ϵ_r):	34.19	35.36	-3.32	5
		e"	16.1000	Conductivity (σ):	5.15	5.21	-1.27	5
	Head 5800	e'	34.1100	Relative Permittivity (ϵ_r):	34.11	35.30	-3.37	5
		e"	16.1500	Conductivity (σ):	5.21	5.27	-1.17	5
	Head 5925	e'	33.9000	Relative Permittivity (ϵ_r):	33.90	35.20	-3.69	5
		e"	16.2300	Conductivity (σ):	5.35	5.40	-0.98	5
3-26-2024	Head 2600	e'	39.2800	Relative Permittivity (ϵ_r):	39.28	39.01	0.69	5
		e"	13.9500	Conductivity (σ):	2.02	1.96	2.78	5
	Head 2495	e'	39.4500	Relative Permittivity (ϵ_r):	39.45	39.14	0.78	5
		e"	13.9200	Conductivity (σ):	1.93	1.85	4.46	5
	Head 2700	e'	39.0800	Relative Permittivity (ϵ_r):	39.08	38.88	0.50	5
		e"	14.0000	Conductivity (σ):	2.10	2.07	1.52	5
3-27-2024	Head 5200	e'	35.3500	Relative Permittivity (ϵ_r):	35.35	35.99	-1.78	5
		e"	16.0900	Conductivity (σ):	4.65	4.65	0.03	5
	Head 5250	e'	35.2800	Relative Permittivity (ϵ_r):	35.28	35.93	-1.82	5
		e"	16.1700	Conductivity (σ):	4.72	4.70	0.39	5
	Head 5600	e'	34.6100	Relative Permittivity (ϵ_r):	34.61	35.53	-2.60	5
		e"	16.4100	Conductivity (σ):	5.11	5.06	0.98	5
	Head 5750	e'	34.3400	Relative Permittivity (ϵ_r):	34.34	35.36	-2.89	5
		e"	16.4900	Conductivity (σ):	5.27	5.21	1.12	5
	Head 5800	e'	34.2500	Relative Permittivity (ϵ_r):	34.25	35.30	-2.97	5
		e"	16.5400	Conductivity (σ):	5.33	5.27	1.22	5
	Head 5925	e'	34.0400	Relative Permittivity (ϵ_r):	34.04	35.20	-3.30	5
		e"	16.6000	Conductivity (σ):	5.47	5.40	1.27	5
3-27-2024	Head 2600	e'	40.0500	Relative Permittivity (ϵ_r):	40.05	39.01	2.66	5
		e"	13.9400	Conductivity (σ):	2.02	1.96	2.71	5
	Head 2495	e'	40.1400	Relative Permittivity (ϵ_r):	40.14	39.14	2.55	5
		e"	13.9100	Conductivity (σ):	1.93	1.85	4.39	5
	Head 2700	e'	39.8600	Relative Permittivity (ϵ_r):	39.86	38.88	2.51	5
		e"	14.0300	Conductivity (σ):	2.11	2.07	1.74	5
3-28-2024	Head 2600	e'	39.0900	Relative Permittivity (ϵ_r):	39.09	39.01	0.20	5
		e"	13.9600	Conductivity (σ):	2.02	1.96	2.85	5
	Head 2495	e'	39.3100	Relative Permittivity (ϵ_r):	39.31	39.14	0.43	5
		e"	13.8700	Conductivity (σ):	1.92	1.85	4.09	5
	Head 2700	e'	38.8800	Relative Permittivity (ϵ_r):	38.88	38.88	-0.01	5
		e"	13.9700	Conductivity (σ):	2.10	2.07	1.31	5

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Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
3-29-2024	Head 2600	e'	38.0600	Relative Permittivity (ε _r):	38.06	39.01	-2.44	5
		e"	13.6000	Conductivity (σ):	1.97	1.96	0.20	5
	Head 2495	e'	38.1600	Relative Permittivity (ε _r):	38.16	39.14	-2.51	5
		e"	13.6200	Conductivity (σ):	1.89	1.85	2.21	5
	Head 2700	e'	37.9200	Relative Permittivity (ε _r):	37.92	38.88	-2.48	5
		e"	13.7000	Conductivity (σ):	2.06	2.07	-0.65	5
4-2-2024	Head 3500	e'	37.7600	Relative Permittivity (ε _r):	37.76	37.93	-0.45	5
		e"	14.4500	Conductivity (σ):	2.81	2.91	-3.42	5
	Head 3600	e'	37.5600	Relative Permittivity (ε _r):	37.56	37.82	-0.68	5
		e"	14.5900	Conductivity (σ):	2.92	3.01	-3.10	5
	Head 3700	e'	37.3900	Relative Permittivity (ε _r):	37.39	37.70	-0.83	5
		e"	14.6700	Conductivity (σ):	3.02	3.12	-3.15	5
	Head 3800	e'	37.2400	Relative Permittivity (ε _r):	37.24	37.59	-0.92	5
		e"	14.8200	Conductivity (σ):	3.13	3.22	-2.71	5
	Head 3900	e'	37.1300	Relative Permittivity (ε _r):	37.13	37.47	-0.92	5
		e"	14.9900	Conductivity (σ):	3.25	3.32	-2.12	5
	Head 3980	e'	36.9200	Relative Permittivity (ε _r):	36.92	37.38	-1.24	5
		e"	15.0300	Conductivity (σ):	3.33	3.40	-2.25	5
4-5-2024	Head 1750	e'	38.7800	Relative Permittivity (ε _r):	38.78	40.08	-3.25	5
		e"	14.0900	Conductivity (σ):	1.37	1.37	0.15	5
	Head 1695	e'	38.9800	Relative Permittivity (ε _r):	38.98	40.17	-2.96	5
		e"	14.2600	Conductivity (σ):	1.34	1.34	0.45	5
	Head 1780	e'	38.6800	Relative Permittivity (ε _r):	38.68	40.04	-3.39	5
		e"	13.9600	Conductivity (σ):	1.38	1.39	-0.30	5
4-5-2024	Head 1900	e'	38.6000	Relative Permittivity (ε _r):	38.60	40.00	-3.50	5
		e"	13.6500	Conductivity (σ):	1.44	1.40	3.00	5
	Head 1850	e'	38.6300	Relative Permittivity (ε _r):	38.63	40.00	-3.42	5
		e"	13.7200	Conductivity (σ):	1.41	1.40	0.81	5
	Head 1915	e'	38.5900	Relative Permittivity (ε _r):	38.59	40.00	-3.52	5
		e"	13.6600	Conductivity (σ):	1.45	1.40	3.89	5
4-9-2024	Head 1750	e'	39.2400	Relative Permittivity (ε _r):	39.24	40.08	-2.11	5
		e"	14.0800	Conductivity (σ):	1.37	1.37	0.08	5
	Head 1695	e'	39.3400	Relative Permittivity (ε _r):	39.34	40.17	-2.06	5
		e"	14.2500	Conductivity (σ):	1.34	1.34	0.38	5
	Head 1780	e'	39.2100	Relative Permittivity (ε _r):	39.21	40.04	-2.07	5
		e"	13.9900	Conductivity (σ):	1.38	1.39	-0.09	5
4-9-2024	Head 1900	e'	39.0800	Relative Permittivity (ε _r):	39.08	40.00	-2.30	5
		e"	13.7400	Conductivity (σ):	1.45	1.40	3.68	5
	Head 1850	e'	39.1200	Relative Permittivity (ε _r):	39.12	40.00	-2.20	5
		e"	13.8400	Conductivity (σ):	1.42	1.40	1.69	5
	Head 1915	e'	39.0700	Relative Permittivity (ε _r):	39.07	40.00	-2.33	5
		e"	13.7300	Conductivity (σ):	1.46	1.40	4.43	5
4-13-2024	Head 1750	e'	38.8700	Relative Permittivity (ε _r):	38.87	40.08	-3.03	5
		e"	14.0200	Conductivity (σ):	1.36	1.37	-0.35	5
	Head 1695	e'	38.9900	Relative Permittivity (ε _r):	38.99	40.17	-2.94	5
		e"	14.1000	Conductivity (σ):	1.33	1.34	-0.68	5
	Head 1780	e'	38.8000	Relative Permittivity (ε _r):	38.80	40.04	-3.09	5
		e"	13.9700	Conductivity (σ):	1.38	1.39	-0.23	5
4-13-2024	Head 1900	e'	38.5900	Relative Permittivity (ε _r):	38.59	40.00	-3.52	5
		e"	13.7100	Conductivity (σ):	1.45	1.40	3.46	5
	Head 1850	e'	38.6300	Relative Permittivity (ε _r):	38.63	40.00	-3.42	5
		e"	13.8100	Conductivity (σ):	1.42	1.40	1.47	5
	Head 1915	e'	38.5800	Relative Permittivity (ε _r):	38.58	40.00	-3.55	5
		e"	13.7000	Conductivity (σ):	1.46	1.40	4.20	5
4-15-2024	Head 750	e'	41.6300	Relative Permittivity (ε _r):	41.63	41.96	-0.79	5
		e"	21.3700	Conductivity (σ):	0.89	0.89	-0.21	5
	Head 660	e'	41.9300	Relative Permittivity (ε _r):	41.93	42.42	-1.16	5
		e"	23.5000	Conductivity (σ):	0.86	0.89	-2.68	5
	Head 800	e'	41.5600	Relative Permittivity (ε _r):	41.56	41.71	-0.35	5
		e"	20.3700	Conductivity (σ):	0.91	0.90	1.02	5
4-15-2024	Head 835	e'	41.5200	Relative Permittivity (ε _r):	41.52	41.50	0.05	5
		e"	19.8300	Conductivity (σ):	0.92	0.90	2.30	5
	Head 810	e'	41.5600	Relative Permittivity (ε _r):	41.56	41.65	-0.23	5
		e"	20.2000	Conductivity (σ):	0.91	0.90	1.35	5
	Head 850	e'	41.4700	Relative Permittivity (ε _r):	41.47	41.50	-0.07	5
		e"	19.6100	Conductivity (σ):	0.93	0.92	1.29	5

SAR 4 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
4-18-2024	Head 3500	e'	37.7400	Relative Permittivity (ε _r):	37.74	37.93	-0.50	5
		e"	14.8000	Conductivity (σ):	2.88	2.91	-1.08	5
	Head 3600	e'	37.5500	Relative Permittivity (ε _r):	37.55	37.82	-0.70	5
		e"	14.8700	Conductivity (σ):	2.98	3.01	-1.24	5
	Head 3700	e'	37.3700	Relative Permittivity (ε _r):	37.37	37.70	-0.88	5
		e"	14.9600	Conductivity (σ):	3.08	3.12	-1.23	5
	Head 3800	e'	37.1800	Relative Permittivity (ε _r):	37.18	37.59	-1.08	5
		e"	15.0500	Conductivity (σ):	3.18	3.22	-1.20	5
	Head 3900	e'	36.9900	Relative Permittivity (ε _r):	36.99	37.47	-1.29	5
		e"	15.1500	Conductivity (σ):	3.29	3.32	-1.07	5
	Head 3980	e'	36.8400	Relative Permittivity (ε _r):	36.84	37.38	-1.45	5
		e"	15.2300	Conductivity (σ):	3.37	3.40	-0.95	5
4-23-2024	Head 835	e'	43.4300	Relative Permittivity (ε _r):	43.43	41.50	4.65	5
		e"	20.1700	Conductivity (σ):	0.94	0.90	4.05	5
	Head 810	e'	43.4800	Relative Permittivity (ε _r):	43.48	41.65	4.38	5
		e"	20.6100	Conductivity (σ):	0.93	0.90	3.40	5
	Head 850	e'	43.4000	Relative Permittivity (ε _r):	43.40	41.50	4.58	5
		e"	19.9300	Conductivity (σ):	0.94	0.92	2.94	5

SAR 5 Room

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
2-22-2024	Head 2600	e'	39.1100	Relative Permittivity (ϵ_r):	39.11	39.01	0.25	5
		e"	13.5800	Conductivity (σ):	1.96	1.96	0.05	5
	Head 2495	e'	39.2800	Relative Permittivity (ϵ_r):	39.28	39.14	0.35	5
		e"	13.5000	Conductivity (σ):	1.87	1.85	1.31	5
	Head 2700	e'	38.8900	Relative Permittivity (ϵ_r):	38.89	38.88	0.01	5
		e"	13.5600	Conductivity (σ):	2.04	2.07	-1.67	5
2-23-2024	Head 2600	e'	39.5200	Relative Permittivity (ϵ_r):	39.52	39.01	1.31	5
		e"	13.1100	Conductivity (σ):	1.90	1.96	-3.41	5
	Head 2495	e'	39.6700	Relative Permittivity (ϵ_r):	39.67	39.14	1.35	5
		e"	13.0400	Conductivity (σ):	1.81	1.85	-2.14	5
	Head 2700	e'	39.3600	Relative Permittivity (ϵ_r):	39.36	38.88	1.22	5
		e"	13.1700	Conductivity (σ):	1.98	2.07	-4.50	5
2-26-2024	Head 2600	e'	39.2700	Relative Permittivity (ϵ_r):	39.27	39.01	0.66	5
		e"	13.5500	Conductivity (σ):	1.96	1.96	-0.17	5
	Head 2495	e'	39.4200	Relative Permittivity (ϵ_r):	39.42	39.14	0.71	5
		e"	13.4200	Conductivity (σ):	1.86	1.85	0.71	5
	Head 2700	e'	39.0100	Relative Permittivity (ϵ_r):	39.01	38.88	0.32	5
		e"	13.6400	Conductivity (σ):	2.05	2.07	-1.09	5
2-27-2024	Head 835	e'	41.2200	Relative Permittivity (ϵ_r):	41.22	41.50	-0.67	5
		e"	19.6800	Conductivity (σ):	0.91	0.90	1.52	5
	Head 810	e'	41.2900	Relative Permittivity (ϵ_r):	41.29	41.65	-0.87	5
		e"	20.1400	Conductivity (σ):	0.91	0.90	1.05	5
	Head 850	e'	41.1600	Relative Permittivity (ϵ_r):	41.16	41.50	-0.82	5
		e"	19.4300	Conductivity (σ):	0.92	0.92	0.36	5
2-28-2024	Head 1750	e'	40.7100	Relative Permittivity (ϵ_r):	40.71	40.08	1.56	5
		e"	13.7400	Conductivity (σ):	1.34	1.37	-2.34	5
	Head 1710	e'	40.8500	Relative Permittivity (ϵ_r):	40.85	40.15	1.75	5
		e"	13.7900	Conductivity (σ):	1.31	1.35	-2.62	5
	Head 1780	e'	40.6800	Relative Permittivity (ϵ_r):	40.68	40.04	1.60	5
		e"	13.7200	Conductivity (σ):	1.36	1.39	-2.02	5
2-28-2024	Head 1900	e'	40.4800	Relative Permittivity (ϵ_r):	40.48	40.00	1.20	5
		e"	13.5400	Conductivity (σ):	1.43	1.40	2.17	5
	Head 1850	e'	40.5300	Relative Permittivity (ϵ_r):	40.53	40.00	1.33	5
		e"	13.6000	Conductivity (σ):	1.40	1.40	-0.07	5
	Head 1915	e'	40.4500	Relative Permittivity (ϵ_r):	40.45	40.00	1.13	5
		e"	13.4800	Conductivity (σ):	1.44	1.40	2.53	5
2-29-2024	Head 1750	e'	40.3200	Relative Permittivity (ϵ_r):	40.32	40.08	0.59	5
		e"	13.6200	Conductivity (σ):	1.33	1.37	-3.19	5
	Head 1710	e'	40.4100	Relative Permittivity (ϵ_r):	40.41	40.15	0.66	5
		e"	13.6700	Conductivity (σ):	1.30	1.35	-3.46	5
	Head 1780	e'	40.2700	Relative Permittivity (ϵ_r):	40.27	40.04	0.58	5
		e"	13.5700	Conductivity (σ):	1.34	1.39	-3.09	5
2-29-2024	Head 1900	e'	40.1100	Relative Permittivity (ϵ_r):	40.11	40.00	0.27	5
		e"	13.3600	Conductivity (σ):	1.41	1.40	0.82	5
	Head 1850	e'	40.1500	Relative Permittivity (ϵ_r):	40.15	40.00	0.37	5
		e"	13.4000	Conductivity (σ):	1.38	1.40	-1.54	5
	Head 1915	e'	40.0800	Relative Permittivity (ϵ_r):	40.08	40.00	0.20	5
		e"	13.3300	Conductivity (σ):	1.42	1.40	1.38	5
3-1-2024	Head 1750	e'	40.2900	Relative Permittivity (ϵ_r):	40.29	40.08	0.51	5
		e"	13.6000	Conductivity (σ):	1.32	1.37	-3.33	5
	Head 1710	e'	40.3400	Relative Permittivity (ϵ_r):	40.34	40.15	0.48	5
		e"	13.6800	Conductivity (σ):	1.30	1.35	-3.39	5
	Head 1780	e'	40.2300	Relative Permittivity (ϵ_r):	40.23	40.04	0.48	5
		e"	13.5300	Conductivity (σ):	1.34	1.39	-3.38	5
3-1-2024	Head 1900	e'	40.1000	Relative Permittivity (ϵ_r):	40.10	40.00	0.25	5
		e"	13.2700	Conductivity (σ):	1.40	1.40	0.14	5
	Head 1850	e'	40.1300	Relative Permittivity (ϵ_r):	40.13	40.00	0.33	5
		e"	13.3300	Conductivity (σ):	1.37	1.40	-2.06	5
	Head 1915	e'	40.0700	Relative Permittivity (ϵ_r):	40.07	40.00	0.18	5
		e"	13.2400	Conductivity (σ):	1.41	1.40	0.70	5

SAR 5 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
3-4-2024	Head 1750	e'	39.5000	Relative Permittivity (ϵ_r):	39.50	40.08	-1.46	5
		e''	13.7600	Conductivity (σ):	1.34	1.37	-2.20	5
	Head 1710	e'	39.6500	Relative Permittivity (ϵ_r):	39.65	40.15	-1.24	5
		e''	13.8800	Conductivity (σ):	1.32	1.35	-1.98	5
	Head 1780	e'	39.4300	Relative Permittivity (ϵ_r):	39.43	40.04	-1.52	5
		e''	13.6900	Conductivity (σ):	1.35	1.39	-2.23	5
3-5-2024	Head 1750	e'	39.1900	Relative Permittivity (ϵ_r):	39.19	40.08	-2.23	5
		e''	13.6300	Conductivity (σ):	1.33	1.37	-3.12	5
	Head 1710	e'	39.3200	Relative Permittivity (ϵ_r):	39.32	40.15	-2.06	5
		e''	13.7600	Conductivity (σ):	1.31	1.35	-2.83	5
	Head 1780	e'	39.1300	Relative Permittivity (ϵ_r):	39.13	40.04	-2.27	5
		e''	13.5500	Conductivity (σ):	1.34	1.39	-3.23	5
3-5-2024	Head 1900	e'	39.0200	Relative Permittivity (ϵ_r):	39.02	40.00	-2.45	5
		e''	13.2300	Conductivity (σ):	1.40	1.40	-0.16	5
	Head 1850	e'	39.0200	Relative Permittivity (ϵ_r):	39.02	40.00	-2.45	5
		e''	13.3300	Conductivity (σ):	1.37	1.40	-2.06	5
	Head 1915	e'	39.0200	Relative Permittivity (ϵ_r):	39.02	40.00	-2.45	5
		e''	13.2100	Conductivity (σ):	1.41	1.40	0.47	5
3-6-2024	Head 1900	e'	39.2400	Relative Permittivity (ϵ_r):	39.24	40.00	-1.90	5
		e''	13.5900	Conductivity (σ):	1.44	1.40	2.55	5
	Head 1850	e'	39.2900	Relative Permittivity (ϵ_r):	39.29	40.00	-1.78	5
		e''	13.7600	Conductivity (σ):	1.42	1.40	1.10	5
	Head 1915	e'	39.2400	Relative Permittivity (ϵ_r):	39.24	40.00	-1.90	5
		e''	13.5500	Conductivity (σ):	1.44	1.40	3.06	5
3-12-2024	Head 1900	e'	40.7500	Relative Permittivity (ϵ_r):	40.75	40.00	1.88	5
		e''	13.3400	Conductivity (σ):	1.41	1.40	0.67	5
	Head 1850	e'	40.6900	Relative Permittivity (ϵ_r):	40.69	40.00	1.72	5
		e''	13.4000	Conductivity (σ):	1.38	1.40	-1.54	5
	Head 1915	e'	40.7400	Relative Permittivity (ϵ_r):	40.74	40.00	1.85	5
		e''	13.3400	Conductivity (σ):	1.42	1.40	1.46	5
3-12-2024	Head 2600	e'	38.1000	Relative Permittivity (ϵ_r):	38.10	39.01	-2.33	5
		e''	13.3500	Conductivity (σ):	1.93	1.96	-1.64	5
	Head 2495	e'	38.2800	Relative Permittivity (ϵ_r):	38.28	39.14	-2.21	5
		e''	13.2900	Conductivity (σ):	1.84	1.85	-0.27	5
	Head 2700	e'	37.9000	Relative Permittivity (ϵ_r):	37.90	38.88	-2.53	5
		e''	13.3700	Conductivity (σ):	2.01	2.07	-3.05	5
3-13-2024	Head 750	e'	41.8600	Relative Permittivity (ϵ_r):	41.86	41.96	-0.24	5
		e''	21.6000	Conductivity (σ):	0.90	0.89	0.86	5
	Head 660	e'	42.2000	Relative Permittivity (ϵ_r):	42.20	42.42	-0.53	5
		e''	23.7800	Conductivity (σ):	0.87	0.89	-1.52	5
	Head 800	e'	41.7000	Relative Permittivity (ϵ_r):	41.70	41.71	-0.01	5
		e''	20.6900	Conductivity (σ):	0.92	0.90	2.61	5
3-14-2024	Head 750	e'	42.9100	Relative Permittivity (ϵ_r):	42.91	41.96	2.26	5
		e''	21.3100	Conductivity (σ):	0.89	0.89	-0.49	5
	Head 660	e'	43.1500	Relative Permittivity (ϵ_r):	43.15	42.42	1.71	5
		e''	23.4800	Conductivity (σ):	0.86	0.89	-2.76	5
	Head 800	e'	42.7900	Relative Permittivity (ϵ_r):	42.79	41.71	2.60	5
		e''	20.3900	Conductivity (σ):	0.91	0.90	1.12	5
3-15-2024	Head 750	e'	41.2000	Relative Permittivity (ϵ_r):	41.20	41.96	-1.81	5
		e''	21.4900	Conductivity (σ):	0.90	0.89	0.35	5
	Head 660	e'	41.2500	Relative Permittivity (ϵ_r):	41.25	42.42	-2.77	5
		e''	23.7500	Conductivity (σ):	0.87	0.89	-1.64	5
	Head 800	e'	41.0400	Relative Permittivity (ϵ_r):	41.04	41.71	-1.59	5
		e''	20.5700	Conductivity (σ):	0.92	0.90	2.02	5
3-15-2024	Head 835	e'	40.9600	Relative Permittivity (ϵ_r):	40.96	41.50	-1.30	5
		e''	19.8800	Conductivity (σ):	0.92	0.90	2.56	5
	Head 810	e'	41.0200	Relative Permittivity (ϵ_r):	41.02	41.65	-1.52	5
		e''	20.3700	Conductivity (σ):	0.92	0.90	2.20	5
	Head 850	e'	40.9100	Relative Permittivity (ϵ_r):	40.91	41.50	-1.42	5
		e''	19.6100	Conductivity (σ):	0.93	0.92	1.29	5

SAR 5 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
3-18-2024	Head 750	e'	40.8600	Relative Permittivity (ϵ_r):	40.86	41.96	-2.63	5
		e"	21.4400	Conductivity (σ):	0.89	0.89	0.11	5
	Head 660	e'	41.0700	Relative Permittivity (ϵ_r):	41.07	42.42	-3.19	5
		e"	23.6400	Conductivity (σ):	0.87	0.89	-2.10	5
	Head 800	e'	40.7400	Relative Permittivity (ϵ_r):	40.74	41.71	-2.31	5
		e"	20.4800	Conductivity (σ):	0.91	0.90	1.57	5
3-19-2024	Head 750	e'	41.2500	Relative Permittivity (ϵ_r):	41.25	41.96	-1.70	5
		e"	21.1900	Conductivity (σ):	0.88	0.89	-1.05	5
	Head 660	e'	41.5400	Relative Permittivity (ϵ_r):	41.54	42.42	-2.08	5
		e"	23.3500	Conductivity (σ):	0.86	0.89	-3.30	5
	Head 800	e'	41.1400	Relative Permittivity (ϵ_r):	41.14	41.71	-1.36	5
		e"	20.2600	Conductivity (σ):	0.90	0.90	0.48	5
3-20-2024	Head 750	e'	43.0600	Relative Permittivity (ϵ_r):	43.06	41.96	2.62	5
		e"	21.8200	Conductivity (σ):	0.91	0.89	1.89	5
	Head 660	e'	43.2100	Relative Permittivity (ϵ_r):	43.21	42.42	1.85	5
		e"	24.0900	Conductivity (σ):	0.88	0.89	-0.24	5
	Head 800	e'	42.8900	Relative Permittivity (ϵ_r):	42.89	41.71	2.84	5
		e"	20.9300	Conductivity (σ):	0.93	0.90	3.80	5
3-21-2024	Head 750	e'	41.6600	Relative Permittivity (ϵ_r):	41.66	41.96	-0.72	5
		e"	21.7500	Conductivity (σ):	0.91	0.89	1.56	5
	Head 660	e'	41.8700	Relative Permittivity (ϵ_r):	41.87	42.42	-1.30	5
		e"	23.9600	Conductivity (σ):	0.88	0.89	-0.78	5
	Head 800	e'	41.5300	Relative Permittivity (ϵ_r):	41.53	41.71	-0.42	5
		e"	20.7900	Conductivity (σ):	0.92	0.90	3.11	5
3-27-2024	Head 2600	e'	38.5100	Relative Permittivity (ϵ_r):	38.51	39.01	-1.28	5
		e"	13.8200	Conductivity (σ):	2.00	1.96	1.82	5
	Head 2495	e'	38.6300	Relative Permittivity (ϵ_r):	38.63	39.14	-1.31	5
		e"	13.8100	Conductivity (σ):	1.92	1.85	3.64	5
	Head 2700	e'	38.3100	Relative Permittivity (ϵ_r):	38.31	38.88	-1.48	5
		e"	13.8900	Conductivity (σ):	2.09	2.07	0.73	5
3-28-2024	Head 2600	e'	38.3400	Relative Permittivity (ϵ_r):	38.34	39.01	-1.72	5
		e"	13.8800	Conductivity (σ):	2.01	1.96	2.27	5
	Head 2495	e'	38.5500	Relative Permittivity (ϵ_r):	38.55	39.14	-1.52	5
		e"	13.8100	Conductivity (σ):	1.92	1.85	3.64	5
	Head 2700	e'	38.1300	Relative Permittivity (ϵ_r):	38.13	38.88	-1.94	5
		e"	13.8900	Conductivity (σ):	2.09	2.07	0.73	5
3-29-2024	Head 2600	e'	38.5100	Relative Permittivity (ϵ_r):	38.51	39.01	-1.28	5
		e"	13.5000	Conductivity (σ):	1.95	1.96	-0.53	5
	Head 2495	e'	38.6100	Relative Permittivity (ϵ_r):	38.61	39.14	-1.36	5
		e"	13.4900	Conductivity (σ):	1.87	1.85	1.23	5
	Head 2700	e'	38.3700	Relative Permittivity (ϵ_r):	38.37	38.88	-1.32	5
		e"	13.5900	Conductivity (σ):	2.04	2.07	-1.45	5
4-1-2024	Head 2600	e'	39.5400	Relative Permittivity (ϵ_r):	39.54	39.01	1.36	5
		e"	13.3700	Conductivity (σ):	1.93	1.96	-1.49	5
	Head 2495	e'	39.7100	Relative Permittivity (ϵ_r):	39.71	39.14	1.45	5
		e"	13.3400	Conductivity (σ):	1.85	1.85	0.11	5
	Head 2700	e'	39.3600	Relative Permittivity (ϵ_r):	39.36	38.88	1.22	5
		e"	13.4100	Conductivity (σ):	2.01	2.07	-2.76	5
4-2-2024	Head 2600	e'	40.4400	Relative Permittivity (ϵ_r):	40.44	39.01	3.66	5
		e"	13.1300	Conductivity (σ):	1.90	1.96	-3.26	5
	Head 2495	e'	40.5800	Relative Permittivity (ϵ_r):	40.58	39.14	3.67	5
		e"	13.0400	Conductivity (σ):	1.81	1.85	-2.14	5
	Head 2700	e'	40.2400	Relative Permittivity (ϵ_r):	40.24	38.88	3.49	5
		e"	13.1500	Conductivity (σ):	1.97	2.07	-4.64	5
4-3-2024	Head 3500	e'	37.8200	Relative Permittivity (ϵ_r):	37.82	37.93	-0.29	5
		e"	14.4500	Conductivity (σ):	2.81	2.91	-3.42	5
	Head 3600	e'	37.6800	Relative Permittivity (ϵ_r):	37.68	37.82	-0.36	5
		e"	14.5800	Conductivity (σ):	2.92	3.01	-3.17	5
	Head 3700	e'	37.4700	Relative Permittivity (ϵ_r):	37.47	37.70	-0.61	5
		e"	14.6800	Conductivity (σ):	3.02	3.12	-3.08	5
	Head 3800	e'	37.2900	Relative Permittivity (ϵ_r):	37.29	37.59	-0.79	5
		e"	14.7700	Conductivity (σ):	3.12	3.22	-3.04	5
	Head 3900	e'	37.1300	Relative Permittivity (ϵ_r):	37.13	37.47	-0.92	5
		e"	14.8500	Conductivity (σ):	3.22	3.32	-3.03	5
	Head 3950	e'	37.0500	Relative Permittivity (ϵ_r):	37.05	37.42	-0.98	5
		e"	14.9500	Conductivity (σ):	3.28	3.37	-2.62	5

SAR 5 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
4-4-2024	Head 3500	e'	37.7900	Relative Permittivity (ε _r):	37.79	37.93	-0.37	5
		e"	14.7900	Conductivity (σ):	2.88	2.91	-1.14	5
	Head 3600	e'	37.5700	Relative Permittivity (ε _r):	37.57	37.82	-0.65	5
		e"	14.8900	Conductivity (σ):	2.98	3.01	-1.11	5
	Head 3700	e'	37.3500	Relative Permittivity (ε _r):	37.35	37.70	-0.93	5
		e"	14.9900	Conductivity (σ):	3.08	3.12	-1.04	5
	Head 3800	e'	37.1400	Relative Permittivity (ε _r):	37.14	37.59	-1.19	5
		e"	15.1000	Conductivity (σ):	3.19	3.22	-0.87	5
	Head 3900	e'	36.9300	Relative Permittivity (ε _r):	36.93	37.47	-1.45	5
		e"	15.2300	Conductivity (σ):	3.30	3.32	-0.55	5
	Head 3950	e'	36.8300	Relative Permittivity (ε _r):	36.83	37.42	-1.57	5
		e"	15.2900	Conductivity (σ):	3.36	3.37	-0.41	5
4-5-2024	Head 3500	e'	38.1100	Relative Permittivity (ε _r):	38.11	37.93	0.48	5
		e"	14.7700	Conductivity (σ):	2.87	2.91	-1.28	5
	Head 3600	e'	37.8600	Relative Permittivity (ε _r):	37.86	37.82	0.12	5
		e"	14.7700	Conductivity (σ):	2.96	3.01	-1.90	5
	Head 3700	e'	37.7100	Relative Permittivity (ε _r):	37.71	37.70	0.02	5
		e"	14.8200	Conductivity (σ):	3.05	3.12	-2.16	5
	Head 3800	e'	37.6000	Relative Permittivity (ε _r):	37.60	37.59	0.03	5
		e"	14.9300	Conductivity (σ):	3.15	3.22	-1.99	5
	Head 3900	e'	37.5100	Relative Permittivity (ε _r):	37.51	37.47	0.10	5
		e"	15.0400	Conductivity (σ):	3.26	3.32	-1.79	5
	Head 3950	e'	37.3500	Relative Permittivity (ε _r):	37.35	37.42	-0.18	5
		e"	15.1600	Conductivity (σ):	3.33	3.37	-1.26	5
4-9-2024	Head 750	e'	41.6300	Relative Permittivity (ε _r):	41.63	41.96	-0.79	5
		e"	21.4800	Conductivity (σ):	0.90	0.89	0.30	5
	Head 660	e'	41.9400	Relative Permittivity (ε _r):	41.94	42.42	-1.14	5
		e"	23.6100	Conductivity (σ):	0.87	0.89	-2.22	5
	Head 800	e'	41.4900	Relative Permittivity (ε _r):	41.49	41.71	-0.52	5
		e"	20.5000	Conductivity (σ):	0.91	0.90	1.67	5
4-9-2024	Head 835	e'	41.4300	Relative Permittivity (ε _r):	41.43	41.50	-0.17	5
		e"	19.9100	Conductivity (σ):	0.92	0.90	2.71	5
	Head 810	e'	41.4800	Relative Permittivity (ε _r):	41.48	41.65	-0.42	5
		e"	20.3200	Conductivity (σ):	0.92	0.90	1.95	5
	Head 850	e'	41.3800	Relative Permittivity (ε _r):	41.38	41.50	-0.29	5
		e"	19.6800	Conductivity (σ):	0.93	0.92	1.65	5
4-9-2024	Head 2600	e'	38.3800	Relative Permittivity (ε _r):	38.38	39.01	-1.62	5
		e"	13.3400	Conductivity (σ):	1.93	1.96	-1.71	5
	Head 2495	e'	38.5600	Relative Permittivity (ε _r):	38.56	39.14	-1.49	5
		e"	13.3000	Conductivity (σ):	1.85	1.85	-0.19	5
	Head 2700	e'	38.2300	Relative Permittivity (ε _r):	38.23	38.88	-1.68	5
		e"	13.3600	Conductivity (σ):	2.01	2.07	-3.12	5
4-11-2024	Head 2600	e'	39.2400	Relative Permittivity (ε _r):	39.24	39.01	0.59	5
		e"	13.6100	Conductivity (σ):	1.97	1.96	0.28	5
	Head 2495	e'	39.6600	Relative Permittivity (ε _r):	39.66	39.14	1.32	5
		e"	13.5900	Conductivity (σ):	1.89	1.85	1.98	5
	Head 2700	e'	38.9000	Relative Permittivity (ε _r):	38.90	38.88	0.04	5
		e"	13.6200	Conductivity (σ):	2.04	2.07	-1.23	5
4-12-2024	Head 3500	e'	37.5500	Relative Permittivity (ε _r):	37.55	37.93	-1.00	5
		e"	14.7500	Conductivity (σ):	2.87	2.91	-1.41	5
	Head 3600	e'	37.3600	Relative Permittivity (ε _r):	37.36	37.82	-1.20	5
		e"	14.8400	Conductivity (σ):	2.97	3.01	-1.44	5
	Head 3700	e'	37.1700	Relative Permittivity (ε _r):	37.17	37.70	-1.41	5
		e"	14.9300	Conductivity (σ):	3.07	3.12	-1.43	5
	Head 3800	e'	36.9700	Relative Permittivity (ε _r):	36.97	37.59	-1.64	5
		e"	15.0300	Conductivity (σ):	3.18	3.22	-1.33	5
	Head 3900	e'	36.7800	Relative Permittivity (ε _r):	36.78	37.47	-1.85	5
		e"	15.1300	Conductivity (σ):	3.28	3.32	-1.20	5
	Head 3950	e'	36.6800	Relative Permittivity (ε _r):	36.68	37.42	-1.97	5
		e"	15.1800	Conductivity (σ):	3.33	3.37	-1.13	5

SAR 5 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
4-15-2024	Head 3500	e'	37.4900	Relative Permittivity (ϵ_r):	37.49	37.93	-1.16	5
		e"	14.5400	Conductivity (σ):	2.83	2.91	-2.81	5
	Head 3600	e'	37.3100	Relative Permittivity (ϵ_r):	37.31	37.82	-1.34	5
		e"	14.6200	Conductivity (σ):	2.93	3.01	-2.90	5
	Head 3700	e'	37.1400	Relative Permittivity (ϵ_r):	37.14	37.70	-1.49	5
		e"	14.7000	Conductivity (σ):	3.02	3.12	-2.95	5
	Head 3800	e'	36.9600	Relative Permittivity (ϵ_r):	36.96	37.59	-1.67	5
		e"	14.8000	Conductivity (σ):	3.13	3.22	-2.84	5
	Head 3900	e'	36.7800	Relative Permittivity (ϵ_r):	36.78	37.47	-1.85	5
		e"	14.9000	Conductivity (σ):	3.23	3.32	-2.70	5
	Head 3950	e'	36.6800	Relative Permittivity (ϵ_r):	36.68	37.42	-1.97	5
		e"	14.9700	Conductivity (σ):	3.29	3.37	-2.49	5
4-16-2024	Head 3500	e'	38.1400	Relative Permittivity (ϵ_r):	38.14	37.93	0.55	5
		e"	14.2800	Conductivity (σ):	2.78	2.91	-4.55	5
	Head 3600	e'	37.9900	Relative Permittivity (ϵ_r):	37.99	37.82	0.46	5
		e"	14.3700	Conductivity (σ):	2.88	3.01	-4.56	5
	Head 3700	e'	37.8700	Relative Permittivity (ϵ_r):	37.87	37.70	0.45	5
		e"	14.4300	Conductivity (σ):	2.97	3.12	-4.73	5
	Head 3800	e'	37.7200	Relative Permittivity (ϵ_r):	37.72	37.59	0.35	5
		e"	14.5000	Conductivity (σ):	3.06	3.22	-4.81	5
	Head 3900	e'	37.6200	Relative Permittivity (ϵ_r):	37.62	37.47	0.39	5
		e"	14.5600	Conductivity (σ):	3.16	3.32	-4.92	5
	Head 3950	e'	37.5700	Relative Permittivity (ϵ_r):	37.57	37.42	0.41	5
		e"	14.6200	Conductivity (σ):	3.21	3.37	-4.77	5
4-17-2024	Head 5180	e'	35.1900	Relative Permittivity (ϵ_r):	35.19	36.01	-2.29	5
		e"	15.7400	Conductivity (σ):	4.53	4.63	-2.10	5
	Head 5200	e'	35.1500	Relative Permittivity (ϵ_r):	35.15	35.99	-2.33	5
		e"	15.7700	Conductivity (σ):	4.56	4.65	-1.96	5
	Head 5600	e'	34.5500	Relative Permittivity (ϵ_r):	34.55	35.53	-2.77	5
		e"	16.1100	Conductivity (σ):	5.02	5.06	-0.87	5
	Head 5800	e'	34.1700	Relative Permittivity (ϵ_r):	34.17	35.30	-3.20	5
		e"	16.0800	Conductivity (σ):	5.19	5.27	-1.60	5
	Head 5825	e'	34.1200	Relative Permittivity (ϵ_r):	34.12	35.30	-3.34	5
		e"	16.1400	Conductivity (σ):	5.23	5.27	-0.81	5
4-22-2024	Head 2600	e'	40.0400	Relative Permittivity (ϵ_r):	40.04	39.01	2.64	5
		e"	13.2200	Conductivity (σ):	1.91	1.96	-2.60	5
	Head 2495	e'	40.2300	Relative Permittivity (ϵ_r):	40.23	39.14	2.78	5
		e"	13.1700	Conductivity (σ):	1.83	1.85	-1.17	5
	Head 2700	e'	39.8200	Relative Permittivity (ϵ_r):	39.82	38.88	2.41	5
		e"	13.2400	Conductivity (σ):	1.99	2.07	-3.99	5

SAR 7 Room

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
2-26-2024	Head 835	e'	41.3600	Relative Permittivity (ϵ_r):	41.36	41.50	-0.34	5
		e"	20.0700	Conductivity (σ):	0.93	0.90	3.54	5
	Head 810	e'	41.4900	Relative Permittivity (ϵ_r):	41.49	41.65	-0.39	5
		e"	20.4500	Conductivity (σ):	0.92	0.90	2.60	5
	Head 850	e'	41.2900	Relative Permittivity (ϵ_r):	41.29	41.50	-0.51	5
		e"	19.8600	Conductivity (σ):	0.94	0.92	2.58	5
2-27-2024	Head 750	e'	42.8400	Relative Permittivity (ϵ_r):	42.84	41.96	2.09	5
		e"	21.6800	Conductivity (σ):	0.90	0.89	1.24	5
	Head 660	e'	43.2000	Relative Permittivity (ϵ_r):	43.20	42.42	1.83	5
		e"	23.7200	Conductivity (σ):	0.87	0.89	-1.77	5
	Head 800	e'	42.6200	Relative Permittivity (ϵ_r):	42.62	41.71	2.19	5
		e"	20.7200	Conductivity (σ):	0.92	0.90	2.76	5
2-27-2024	Head 835	e'	42.4500	Relative Permittivity (ϵ_r):	42.45	41.50	2.29	5
		e"	20.1300	Conductivity (σ):	0.93	0.90	3.85	5
	Head 810	e'	42.5700	Relative Permittivity (ϵ_r):	42.57	41.65	2.20	5
		e"	20.5500	Conductivity (σ):	0.93	0.90	3.10	5
	Head 850	e'	42.4000	Relative Permittivity (ϵ_r):	42.40	41.50	2.17	5
		e"	19.8800	Conductivity (σ):	0.94	0.92	2.69	5
2-28-2024	Head 750	e'	42.2700	Relative Permittivity (ϵ_r):	42.27	41.96	0.74	5
		e"	21.0100	Conductivity (σ):	0.88	0.89	-1.89	5
	Head 660	e'	42.5600	Relative Permittivity (ϵ_r):	42.56	42.42	0.32	5
		e"	22.9981	Conductivity (σ):	0.84	0.89	-4.76	5
	Head 800	e'	42.0600	Relative Permittivity (ϵ_r):	42.06	41.71	0.85	5
		e"	20.1000	Conductivity (σ):	0.89	0.90	-0.31	5
2-28-2024	head 2250	e'	39.1900	Relative Permittivity (ϵ_r):	39.19	39.56	-0.94	5
		e"	13.4600	Conductivity (σ):	1.68	1.62	3.96	5
	head 2300	e'	39.1800	Relative Permittivity (ϵ_r):	39.18	39.47	-0.74	5
		e"	13.4100	Conductivity (σ):	1.71	1.66	3.08	5
	head 2350	e'	39.1900	Relative Permittivity (ϵ_r):	39.19	39.38	-0.49	5
		e"	13.4800	Conductivity (σ):	1.76	1.71	3.14	5
2-29-2024	head 2250	e'	39.8300	Relative Permittivity (ϵ_r):	39.83	39.56	0.68	5
		e"	13.0600	Conductivity (σ):	1.63	1.62	0.87	5
	head 2300	e'	39.7500	Relative Permittivity (ϵ_r):	39.75	39.47	0.70	5
		e"	13.0100	Conductivity (σ):	1.66	1.66	0.00	5
	head 2350	e'	39.6700	Relative Permittivity (ϵ_r):	39.67	39.38	0.72	5
		e"	13.0200	Conductivity (σ):	1.70	1.71	-0.37	5
3-5-2024	head 2250	e'	37.8100	Relative Permittivity (ϵ_r):	37.81	39.56	-4.42	5
		e"	13.0100	Conductivity (σ):	1.63	1.62	0.49	5
	head 2300	e'	37.7400	Relative Permittivity (ϵ_r):	37.74	39.47	-4.39	5
		e"	12.9600	Conductivity (σ):	1.66	1.66	-0.38	5
	head 2350	e'	37.6700	Relative Permittivity (ϵ_r):	37.67	39.38	-4.35	5
		e"	12.9700	Conductivity (σ):	1.69	1.71	-0.76	5
3-5-2024	Head 2600	e'	40.0800	Relative Permittivity (ϵ_r):	40.08	39.01	2.74	5
		e"	13.2100	Conductivity (σ):	1.91	1.96	-2.67	5
	Head 2495	e'	40.2700	Relative Permittivity (ϵ_r):	40.27	39.14	2.88	5
		e"	13.2100	Conductivity (σ):	1.83	1.85	-0.87	5
	Head 2700	e'	39.9600	Relative Permittivity (ϵ_r):	39.96	38.88	2.77	5
		e"	13.2400	Conductivity (σ):	1.99	2.07	-3.99	5
3-6-2024	Head 835	e'	40.5200	Relative Permittivity (ϵ_r):	40.52	41.50	-2.36	5
		e"	19.7400	Conductivity (σ):	0.92	0.90	1.83	5
	Head 810	e'	40.6400	Relative Permittivity (ϵ_r):	40.64	41.65	-2.43	5
		e"	20.1100	Conductivity (σ):	0.91	0.90	0.89	5
	Head 850	e'	40.4500	Relative Permittivity (ϵ_r):	40.45	41.50	-2.53	5
		e"	19.5200	Conductivity (σ):	0.92	0.92	0.83	5
3-6-2024	Head 2600	e'	37.7600	Relative Permittivity (ϵ_r):	37.76	39.01	-3.21	5
		e"	13.3300	Conductivity (σ):	1.93	1.96	-1.79	5
	Head 2495	e'	37.9500	Relative Permittivity (ϵ_r):	37.95	39.14	-3.05	5
		e"	13.2500	Conductivity (σ):	1.84	1.85	-0.57	5
	Head 2700	e'	37.5800	Relative Permittivity (ϵ_r):	37.58	38.88	-3.36	5
		e"	13.4100	Conductivity (σ):	2.01	2.07	-2.76	5

SAR 7 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
3-12-2024	Head 5500	e'	36.2100	Relative Permittivity (ε _r):	36.21	35.65	1.58	5
		e"	15.9500	Conductivity (σ):	4.88	4.96	-1.62	5
	Head 5600	e'	35.9100	Relative Permittivity (ε _r):	35.91	35.53	1.06	5
		e"	15.8400	Conductivity (σ):	4.93	5.06	-2.53	5
	Head 5750	e'	35.5800	Relative Permittivity (ε _r):	35.58	35.36	0.61	5
		e"	16.3400	Conductivity (σ):	5.22	5.21	0.20	5
	Head 5800	e'	35.6500	Relative Permittivity (ε _r):	35.65	35.30	0.99	5
		e"	16.0700	Conductivity (σ):	5.18	5.27	-1.66	5
3-13-2024	Head 5200	e'	36.7000	Relative Permittivity (ε _r):	36.70	35.99	1.97	5
		e"	15.5000	Conductivity (σ):	4.48	4.65	-3.64	5
	Head 5250	e'	36.6800	Relative Permittivity (ε _r):	36.68	35.93	2.08	5
		e"	15.5200	Conductivity (σ):	4.53	4.70	-3.65	5
	Head 5600	e'	36.0000	Relative Permittivity (ε _r):	36.00	35.53	1.31	5
		e"	15.7800	Conductivity (σ):	4.91	5.06	-2.90	5
	Head 5750	e'	35.7900	Relative Permittivity (ε _r):	35.79	35.36	1.21	5
		e"	16.2100	Conductivity (σ):	5.18	5.21	-0.60	5
	Head 5800	e'	35.7800	Relative Permittivity (ε _r):	35.78	35.30	1.36	5
		e"	15.9800	Conductivity (σ):	5.15	5.27	-2.21	5
	Head 5925	e'	35.5500	Relative Permittivity (ε _r):	35.55	35.20	0.99	5
		e"	15.7600	Conductivity (σ):	5.19	5.40	-3.85	5
3-18-2024	Head 13	e'	56.58	Relative Permittivity (ε _r):	56.58	55.00	2.87	5
		e"	992.00	Conductivity (σ):	0.72	0.75	-4.39	5
	Head 12	e'	56.54	Relative Permittivity (ε _r):	56.54	55.00	2.80	5
		e"	1075.00	Conductivity (σ):	0.72	0.75	-4.36	5
	Head 14	e'	56.64	Relative Permittivity (ε _r):	56.64	55.00	2.98	5
		e"	921.10	Conductivity (σ):	0.72	0.75	-4.40	5
4-3-2024	Head 3500	e'	37.3000	Relative Permittivity (ε _r):	37.30	37.93	-1.66	5
		e"	14.5500	Conductivity (σ):	2.83	2.91	-2.75	5
	Head 3600	e'	37.1300	Relative Permittivity (ε _r):	37.13	37.82	-1.81	5
		e"	14.7200	Conductivity (σ):	2.95	3.01	-2.24	5
	Head 3700	e'	36.9800	Relative Permittivity (ε _r):	36.98	37.70	-1.91	5
		e"	14.8900	Conductivity (σ):	3.06	3.12	-1.70	5
	Head 3800	e'	36.8000	Relative Permittivity (ε _r):	36.80	37.59	-2.09	5
		e"	15.0000	Conductivity (σ):	3.17	3.22	-1.53	5
	Head 3900	e'	36.6300	Relative Permittivity (ε _r):	36.63	37.47	-2.25	5
		e"	15.1200	Conductivity (σ):	3.28	3.32	-1.27	5
	Head 3980	e'	36.4900	Relative Permittivity (ε _r):	36.49	37.38	-2.39	5
		e"	15.1900	Conductivity (σ):	3.36	3.40	-1.21	5
4-4-2024	Head 3500	e'	37.9200	Relative Permittivity (ε _r):	37.92	37.93	-0.03	5
		e"	14.7100	Conductivity (σ):	2.86	2.91	-1.68	5
	Head 3600	e'	37.7000	Relative Permittivity (ε _r):	37.70	37.82	-0.31	5
		e"	14.8100	Conductivity (σ):	2.96	3.01	-1.64	5
	Head 3700	e'	37.4900	Relative Permittivity (ε _r):	37.49	37.70	-0.56	5
		e"	14.9100	Conductivity (σ):	3.07	3.12	-1.56	5
	Head 3800	e'	37.2800	Relative Permittivity (ε _r):	37.28	37.59	-0.82	5
		e"	15.0200	Conductivity (σ):	3.17	3.22	-1.40	5
	Head 3900	e'	37.0800	Relative Permittivity (ε _r):	37.08	37.47	-1.05	5
		e"	15.1400	Conductivity (σ):	3.28	3.32	-1.14	5
	Head 3980	e'	36.9100	Relative Permittivity (ε _r):	36.91	37.38	-1.26	5
		e"	15.2300	Conductivity (σ):	3.37	3.40	-0.95	5
4-5-2024	Head 3500	e'	38.8200	Relative Permittivity (ε _r):	38.82	37.93	2.35	5
		e"	14.5700	Conductivity (σ):	2.84	2.91	-2.61	5
	Head 3600	e'	38.6400	Relative Permittivity (ε _r):	38.64	37.82	2.18	5
		e"	14.6300	Conductivity (σ):	2.93	3.01	-2.83	5
	Head 3700	e'	38.5000	Relative Permittivity (ε _r):	38.50	37.70	2.12	5
		e"	14.6900	Conductivity (σ):	3.02	3.12	-3.02	5
	Head 3800	e'	38.3500	Relative Permittivity (ε _r):	38.35	37.59	2.03	5
		e"	14.7600	Conductivity (σ):	3.12	3.22	-3.10	5
	Head 3900	e'	38.2600	Relative Permittivity (ε _r):	38.26	37.47	2.10	5
		e"	14.8500	Conductivity (σ):	3.22	3.32	-3.03	5
	Head 3980	e'	38.1600	Relative Permittivity (ε _r):	38.16	37.38	2.08	5
		e"	15.0000	Conductivity (σ):	3.32	3.40	-2.45	5

SAR 7 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
4-9-2024	Head 2600	e'	40.1200	Relative Permittivity (ε _r):	40.12	39.01	2.84	5
		e"	13.4600	Conductivity (σ):	1.95	1.96	-0.83	5
	Head 2495	e'	40.2200	Relative Permittivity (ε _r):	40.22	39.14	2.75	5
		e"	13.5000	Conductivity (σ):	1.87	1.85	1.31	5
	Head 2700	e'	39.9800	Relative Permittivity (ε _r):	39.98	38.88	2.82	5
		e"	13.3900	Conductivity (σ):	2.01	2.07	-2.90	5
4-15-2024	Head 2600	e'	38.6600	Relative Permittivity (ε _r):	38.66	39.01	-0.90	5
		e"	13.5800	Conductivity (σ):	1.96	1.96	0.05	5
	Head 2495	e'	38.8800	Relative Permittivity (ε _r):	38.88	39.14	-0.67	5
		e"	13.4900	Conductivity (σ):	1.87	1.85	1.23	5
	Head 2700	e'	38.4300	Relative Permittivity (ε _r):	38.43	38.88	-1.17	5
		e"	13.6100	Conductivity (σ):	2.04	2.07	-1.31	5
4-16-2024	Head 3500	e'	37.7200	Relative Permittivity (ε _r):	37.72	37.93	-0.55	5
		e"	14.9100	Conductivity (σ):	2.90	2.91	-0.34	5
	Head 3600	e'	37.6000	Relative Permittivity (ε _r):	37.60	37.82	-0.57	5
		e"	14.9500	Conductivity (σ):	2.99	3.01	-0.71	5
	Head 3700	e'	37.4700	Relative Permittivity (ε _r):	37.47	37.70	-0.61	5
		e"	14.9700	Conductivity (σ):	3.08	3.12	-1.17	5
	Head 3800	e'	37.3500	Relative Permittivity (ε _r):	37.35	37.59	-0.63	5
		e"	15.0000	Conductivity (σ):	3.17	3.22	-1.53	5
	Head 3900	e'	37.2400	Relative Permittivity (ε _r):	37.24	37.47	-0.62	5
		e"	15.0300	Conductivity (σ):	3.26	3.32	-1.85	5
	Head 3980	e'	37.1400	Relative Permittivity (ε _r):	37.14	37.38	-0.65	5
		e"	15.0600	Conductivity (σ):	3.33	3.40	-2.05	5
4-17-2024	head 2250	e'	39.5200	Relative Permittivity (ε _r):	39.52	39.56	-0.10	5
		e"	13.4500	Conductivity (σ):	1.68	1.62	3.88	5
	head 2300	e'	39.5300	Relative Permittivity (ε _r):	39.53	39.47	0.15	5
		e"	13.3300	Conductivity (σ):	1.70	1.66	2.46	5
	head 2350	e'	39.2700	Relative Permittivity (ε _r):	39.27	39.38	-0.29	5
		e"	13.4000	Conductivity (σ):	1.75	1.71	2.53	5
4-20-2024	Head 2600	e'	39.8200	Relative Permittivity (ε _r):	39.82	39.01	2.07	5
		e"	13.2700	Conductivity (σ):	1.92	1.96	-2.23	5
	Head 2495	e'	40.0100	Relative Permittivity (ε _r):	40.01	39.14	2.21	5
		e"	13.2600	Conductivity (σ):	1.84	1.85	-0.49	5
	Head 2700	e'	39.6600	Relative Permittivity (ε _r):	39.66	38.88	1.99	5
		e"	13.2900	Conductivity (σ):	2.00	2.07	-3.63	5

SAR 8 Room

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
2-26-2024	Head 2600	e'	39.6406	Relative Permittivity (ϵ_r):	39.64	39.01	1.61	5
		e"	13.1358	Conductivity (σ):	1.90	1.96	-3.22	5
	Head 2495	e'	39.8528	Relative Permittivity (ϵ_r):	39.85	39.14	1.81	5
		e"	13.0489	Conductivity (σ):	1.81	1.85	-2.08	5
	Head 2700	e'	39.4175	Relative Permittivity (ϵ_r):	39.42	38.88	1.37	5
		e"	13.2031	Conductivity (σ):	1.98	2.07	-4.26	5
2-27-2024	Head 2450	e'	39.1900	Relative Permittivity (ϵ_r):	39.19	39.20	-0.03	5
		e"	13.5300	Conductivity (σ):	1.84	1.80	2.40	5
	Head 2400	e'	39.3100	Relative Permittivity (ϵ_r):	39.31	39.30	0.03	5
		e"	13.5500	Conductivity (σ):	1.81	1.75	3.23	5
	Head 2500	e'	39.1300	Relative Permittivity (ϵ_r):	39.13	39.14	-0.02	5
		e"	13.5800	Conductivity (σ):	1.89	1.85	1.82	5
2-28-2024	Head 2450	e'	38.0300	Relative Permittivity (ϵ_r):	38.03	39.20	-2.98	5
		e"	13.4900	Conductivity (σ):	1.84	1.80	2.10	5
	Head 2400	e'	38.1500	Relative Permittivity (ϵ_r):	38.15	39.30	-2.92	5
		e"	13.3800	Conductivity (σ):	1.79	1.75	1.93	5
	Head 2500	e'	37.8800	Relative Permittivity (ϵ_r):	37.88	39.14	-3.21	5
		e"	13.5800	Conductivity (σ):	1.89	1.85	1.82	5
2-28-2024	Head 5700	e'	35.7600	Relative Permittivity (ϵ_r):	35.76	35.42	0.96	5
		e"	16.3900	Conductivity (σ):	5.19	5.16	0.62	5
	Head 5800	e'	35.4300	Relative Permittivity (ϵ_r):	35.43	35.30	0.37	5
		e"	16.5100	Conductivity (σ):	5.32	5.27	1.03	5
	Head 5925	e'	34.6600	Relative Permittivity (ϵ_r):	34.66	35.20	-1.53	5
		e"	15.8800	Conductivity (σ):	5.23	5.40	-3.12	5
2-29-2024	Head 5700	e'	34.9200	Relative Permittivity (ϵ_r):	34.92	35.42	-1.41	5
		e"	16.3900	Conductivity (σ):	5.19	5.16	0.62	5
	Head 5800	e'	34.7300	Relative Permittivity (ϵ_r):	34.73	35.30	-1.61	5
		e"	16.4800	Conductivity (σ):	5.31	5.27	0.85	5
	Head 5925	e'	34.5000	Relative Permittivity (ϵ_r):	34.50	35.20	-1.99	5
		e"	16.5700	Conductivity (σ):	5.46	5.40	1.09	5
3-4-2024	Head 5500	e'	35.4700	Relative Permittivity (ϵ_r):	35.47	35.65	-0.50	5
		e"	15.8300	Conductivity (σ):	4.84	4.96	-2.36	5
	Head 5700	e'	35.0100	Relative Permittivity (ϵ_r):	35.01	35.42	-1.16	5
		e"	16.3400	Conductivity (σ):	5.18	5.16	0.31	5
3-5-2024	Head 5200	e'	36.5600	Relative Permittivity (ϵ_r):	36.56	35.99	1.58	5
		e"	15.9100	Conductivity (σ):	4.60	4.65	-1.09	5
	Head 5250	e'	36.3500	Relative Permittivity (ϵ_r):	36.35	35.93	1.16	5
		e"	15.9200	Conductivity (σ):	4.65	4.70	-1.17	5
	Head 5500	e'	36.0500	Relative Permittivity (ϵ_r):	36.05	35.65	1.13	5
		e"	16.2500	Conductivity (σ):	4.97	4.96	0.23	5
	Head 5700	e'	35.4400	Relative Permittivity (ϵ_r):	35.44	35.42	0.06	5
		e"	16.4700	Conductivity (σ):	5.22	5.16	1.11	5
Head 5925	e'	35.1000	Relative Permittivity (ϵ_r):	35.10	35.20	-0.28	5	
	e"	16.0400	Conductivity (σ):	5.28	5.40	-2.14	5	
3-6-2024	Head 3500	e'	38.1400	Relative Permittivity (ϵ_r):	38.14	37.93	0.55	5
		e"	14.8000	Conductivity (σ):	2.88	2.91	-1.08	5
	Head 3600	e'	37.9400	Relative Permittivity (ϵ_r):	37.94	37.82	0.33	5
		e"	14.8300	Conductivity (σ):	2.97	3.01	-1.51	5
	Head 3700	e'	37.7400	Relative Permittivity (ϵ_r):	37.74	37.70	0.10	5
		e"	14.9100	Conductivity (σ):	3.07	3.12	-1.56	5
	Head 3800	e'	37.5800	Relative Permittivity (ϵ_r):	37.58	37.59	-0.02	5
		e"	15.0100	Conductivity (σ):	3.17	3.22	-1.46	5
	Head 3900	e'	37.4300	Relative Permittivity (ϵ_r):	37.43	37.47	-0.12	5
		e"	15.0900	Conductivity (σ):	3.27	3.32	-1.46	5
Head 3980	e'	37.2100	Relative Permittivity (ϵ_r):	37.21	37.38	-0.46	5	
	e"	15.1700	Conductivity (σ):	3.36	3.40	-1.34	5	
3-7-2024	head 2250	e'	40.0200	Relative Permittivity (ϵ_r):	40.02	39.56	1.16	5
		e"	13.4000	Conductivity (σ):	1.68	1.62	3.50	5
	head 2300	e'	39.8800	Relative Permittivity (ϵ_r):	39.88	39.47	1.03	5
		e"	13.3500	Conductivity (σ):	1.71	1.66	2.62	5
	head 2350	e'	39.7300	Relative Permittivity (ϵ_r):	39.73	39.38	0.88	5
		e"	13.3500	Conductivity (σ):	1.74	1.71	2.15	5

SAR 8 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
3-7-2024	Head 2450	e'	39.4600	Relative Permittivity (ε _r):	39.46	39.20	0.66	5
		e"	13.3600	Conductivity (σ):	1.82	1.80	1.11	5
	Head 2400	e'	39.5800	Relative Permittivity (ε _r):	39.58	39.30	0.72	5
		e"	13.3300	Conductivity (σ):	1.78	1.75	1.55	5
	Head 2500	e'	39.3900	Relative Permittivity (ε _r):	39.39	39.14	0.65	5
		e"	13.4300	Conductivity (σ):	1.87	1.85	0.69	5
3-7-2024	Head 2600	e'	39.1600	Relative Permittivity (ε _r):	39.16	39.01	0.38	5
		e"	13.5000	Conductivity (σ):	1.95	1.96	-0.53	5
	Head 2495	e'	39.4000	Relative Permittivity (ε _r):	39.40	39.14	0.66	5
		e"	13.4200	Conductivity (σ):	1.86	1.85	0.71	5
	Head 2700	e'	38.8200	Relative Permittivity (ε _r):	38.82	38.88	-0.17	5
		e"	13.5400	Conductivity (σ):	2.03	2.07	-1.81	5
3-8-2024	Head 2450	e'	37.8400	Relative Permittivity (ε _r):	37.84	39.20	-3.47	5
		e"	13.1200	Conductivity (σ):	1.79	1.80	-0.71	5
	Head 2400	e'	37.9800	Relative Permittivity (ε _r):	37.98	39.30	-3.35	5
		e"	13.1000	Conductivity (σ):	1.75	1.75	-0.20	5
	Head 2500	e'	37.7000	Relative Permittivity (ε _r):	37.70	39.14	-3.67	5
		e"	13.1700	Conductivity (σ):	1.83	1.85	-1.26	5
3-8-2024	Head 2600	e'	37.3700	Relative Permittivity (ε _r):	37.37	39.01	-4.21	5
		e"	13.1500	Conductivity (σ):	1.90	1.96	-3.11	5
	Head 2495	e'	37.7100	Relative Permittivity (ε _r):	37.71	39.14	-3.66	5
		e"	13.1700	Conductivity (σ):	1.83	1.85	-1.17	5
	Head 2700	e'	37.0900	Relative Permittivity (ε _r):	37.09	38.88	-4.62	5
		e"	13.1200	Conductivity (σ):	1.97	2.07	-4.86	5
3-11-2024	Head 2450	e'	39.0300	Relative Permittivity (ε _r):	39.03	39.20	-0.43	5
		e"	13.2100	Conductivity (σ):	1.80	1.80	-0.02	5
	Head 2400	e'	39.0500	Relative Permittivity (ε _r):	39.05	39.30	-0.63	5
		e"	13.2900	Conductivity (σ):	1.77	1.75	1.25	5
	Head 2500	e'	39.0200	Relative Permittivity (ε _r):	39.02	39.14	-0.30	5
		e"	13.1900	Conductivity (σ):	1.83	1.85	-1.11	5
4-5-2024	Head 3500	e'	38.8300	Relative Permittivity (ε _r):	38.83	37.93	2.37	5
		e"	14.5300	Conductivity (σ):	2.83	2.91	-2.88	5
	Head 3600	e'	38.6500	Relative Permittivity (ε _r):	38.65	37.82	2.21	5
		e"	14.5900	Conductivity (σ):	2.92	3.01	-3.10	5
	Head 3700	e'	38.5100	Relative Permittivity (ε _r):	38.51	37.70	2.14	5
		e"	14.6500	Conductivity (σ):	3.01	3.12	-3.28	5
	Head 3800	e'	38.3600	Relative Permittivity (ε _r):	38.36	37.59	2.06	5
		e"	14.7200	Conductivity (σ):	3.11	3.22	-3.37	5
	Head 3900	e'	38.2700	Relative Permittivity (ε _r):	38.27	37.47	2.13	5
		e"	14.8100	Conductivity (σ):	3.21	3.32	-3.29	5
	Head 3980	e'	38.1700	Relative Permittivity (ε _r):	38.17	37.38	2.11	5
		e"	14.9600	Conductivity (σ):	3.31	3.40	-2.71	5
4-9-2024	Head 750	e'	41.3900	Relative Permittivity (ε _r):	41.39	41.96	-1.36	5
		e"	21.1200	Conductivity (σ):	0.88	0.89	-1.38	5
	Head 700	e'	41.5600	Relative Permittivity (ε _r):	41.56	42.22	-1.56	5
		e"	22.2100	Conductivity (σ):	0.86	0.89	-2.79	5
	Head 790	e'	41.2600	Relative Permittivity (ε _r):	41.26	41.76	-1.19	5
		e"	20.4000	Conductivity (σ):	0.90	0.90	-0.01	5
4-9-2024	Head 3500	e'	39.0700	Relative Permittivity (ε _r):	39.07	37.93	3.01	5
		e"	14.4500	Conductivity (σ):	2.81	2.91	-3.42	5
	Head 3600	e'	38.7500	Relative Permittivity (ε _r):	38.75	37.82	2.47	5
		e"	14.5400	Conductivity (σ):	2.91	3.01	-3.43	5
	Head 3700	e'	38.5000	Relative Permittivity (ε _r):	38.50	37.70	2.12	5
		e"	14.7500	Conductivity (σ):	3.03	3.12	-2.62	5
	Head 3800	e'	38.4000	Relative Permittivity (ε _r):	38.40	37.59	2.16	5
		e"	14.8100	Conductivity (σ):	3.13	3.22	-2.77	5
	Head 3900	e'	38.3300	Relative Permittivity (ε _r):	38.33	37.47	2.29	5
		e"	14.7400	Conductivity (σ):	3.20	3.32	-3.75	5
	Head 3980	e'	38.0900	Relative Permittivity (ε _r):	38.09	37.38	1.89	5
		e"	14.7400	Conductivity (σ):	3.26	3.40	-4.14	5

SAR 8 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
4-15-2024	Head 2450	e'	39.6500	Relative Permittivity (ε _r):	39.65	39.20	1.15	5
		e"	13.6800	Conductivity (σ):	1.86	1.80	3.53	5
	Head 2400	e'	39.7700	Relative Permittivity (ε _r):	39.77	39.30	1.20	5
		e"	13.6600	Conductivity (σ):	1.82	1.75	4.07	5
	Head 2500	e'	39.5800	Relative Permittivity (ε _r):	39.58	39.14	1.13	5
		e"	13.7300	Conductivity (σ):	1.91	1.85	2.94	5
4-16-2024	head 2250	e'	38.9900	Relative Permittivity (ε _r):	38.99	39.56	-1.44	5
		e"	12.7500	Conductivity (σ):	1.60	1.62	-1.52	5
	head 2300	e'	38.9300	Relative Permittivity (ε _r):	38.93	39.47	-1.37	5
		e"	12.7500	Conductivity (σ):	1.63	1.66	-1.99	5
	head 2350	e'	38.8500	Relative Permittivity (ε _r):	38.85	39.38	-1.36	5
		e"	12.7200	Conductivity (σ):	1.66	1.71	-2.67	5
4-18-2024	Head 2600	e'	38.8800	Relative Permittivity (ε _r):	38.88	39.01	-0.34	5
		e"	13.6100	Conductivity (σ):	1.97	1.96	0.28	5
	Head 2495	e'	39.0800	Relative Permittivity (ε _r):	39.08	39.14	-0.16	5
		e"	13.5700	Conductivity (σ):	1.88	1.85	1.83	5
	Head 2700	e'	38.6200	Relative Permittivity (ε _r):	38.62	38.88	-0.68	5
		e"	13.6100	Conductivity (σ):	2.04	2.07	-1.31	5
4-19-2024	head 2250	e'	39.3800	Relative Permittivity (ε _r):	39.38	39.56	-0.46	5
		e"	13.1700	Conductivity (σ):	1.65	1.62	1.72	5
	head 2300	e'	39.2700	Relative Permittivity (ε _r):	39.27	39.47	-0.51	5
		e"	13.1800	Conductivity (σ):	1.69	1.66	1.31	5
	head 2350	e'	39.1400	Relative Permittivity (ε _r):	39.14	39.38	-0.62	5
		e"	13.2100	Conductivity (σ):	1.73	1.71	1.08	5
4-21-2024	Head 2600	e'	38.6000	Relative Permittivity (ε _r):	38.60	39.01	-1.05	5
		e"	13.3700	Conductivity (σ):	1.93	1.96	-1.49	5
	Head 2495	e'	38.7400	Relative Permittivity (ε _r):	38.74	39.14	-1.03	5
		e"	13.1800	Conductivity (σ):	1.83	1.85	-1.09	5
	Head 2700	e'	38.3300	Relative Permittivity (ε _r):	38.33	38.88	-1.43	5
		e"	13.3700	Conductivity (σ):	2.01	2.07	-3.05	5
4-22-2024	head 2250	e'	39.3500	Relative Permittivity (ε _r):	39.35	39.56	-0.53	5
		e"	13.0700	Conductivity (σ):	1.64	1.62	0.95	5
	head 2300	e'	39.2400	Relative Permittivity (ε _r):	39.24	39.47	-0.59	5
		e"	13.0400	Conductivity (σ):	1.67	1.66	0.24	5
	head 2350	e'	39.1100	Relative Permittivity (ε _r):	39.11	39.38	-0.70	5
		e"	13.0700	Conductivity (σ):	1.71	1.71	0.01	5
4-22-2024	Head 2600	e'	38.7400	Relative Permittivity (ε _r):	38.74	39.01	-0.69	5
		e"	13.2000	Conductivity (σ):	1.91	1.96	-2.75	5
	Head 2495	e'	38.8800	Relative Permittivity (ε _r):	38.88	39.14	-0.67	5
		e"	13.0900	Conductivity (σ):	1.82	1.85	-1.77	5
	Head 2700	e'	38.5100	Relative Permittivity (ε _r):	38.51	38.88	-0.96	5
		e"	13.2500	Conductivity (σ):	1.99	2.07	-3.92	5
4-25-2024	Head 2600	e'	39.6300	Relative Permittivity (ε _r):	39.63	39.01	1.59	5
		e"	13.4000	Conductivity (σ):	1.94	1.96	-1.27	5
	Head 2495	e'	39.7700	Relative Permittivity (ε _r):	39.77	39.14	1.60	5
		e"	13.2600	Conductivity (σ):	1.84	1.85	-0.49	5
	Head 2700	e'	39.3100	Relative Permittivity (ε _r):	39.31	38.88	1.09	5
		e"	13.3000	Conductivity (σ):	2.00	2.07	-3.55	5

SAR 9 Room

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
2-21-2024	Head 750	e'	43.2000	Relative Permittivity (ϵ_r):	43.20	41.96	2.95	5
		e"	21.3000	Conductivity (σ):	0.89	0.89	-0.54	5
	Head 680	e'	43.3700	Relative Permittivity (ϵ_r):	43.37	42.32	2.48	5
		e"	22.8800	Conductivity (σ):	0.87	0.89	-2.55	5
	Head 790	e'	43.0600	Relative Permittivity (ϵ_r):	43.06	41.76	3.12	5
		e"	20.5600	Conductivity (σ):	0.90	0.90	0.78	5
2-21-2024	Head 835	e'	42.8800	Relative Permittivity (ϵ_r):	42.88	41.50	3.33	5
		e"	19.8100	Conductivity (σ):	0.92	0.90	2.19	5
	Head 810	e'	42.9700	Relative Permittivity (ϵ_r):	42.97	41.65	3.16	5
		e"	20.2100	Conductivity (σ):	0.91	0.90	1.40	5
	Head 850	e'	42.8300	Relative Permittivity (ϵ_r):	42.83	41.50	3.20	5
		e"	19.5800	Conductivity (σ):	0.93	0.92	1.14	5
2-22-2024	Head 750	e'	42.7900	Relative Permittivity (ϵ_r):	42.79	41.96	1.97	5
		e"	21.4200	Conductivity (σ):	0.89	0.89	0.02	5
	Head 680	e'	43.1300	Relative Permittivity (ϵ_r):	43.13	42.32	1.91	5
		e"	22.9800	Conductivity (σ):	0.87	0.89	-2.12	5
	Head 790	e'	42.6000	Relative Permittivity (ϵ_r):	42.60	41.76	2.02	5
		e"	20.6600	Conductivity (σ):	0.91	0.90	1.27	5
2-22-2024	Head 835	e'	42.3900	Relative Permittivity (ϵ_r):	42.39	41.50	2.14	5
		e"	19.8900	Conductivity (σ):	0.92	0.90	2.61	5
	Head 810	e'	42.4900	Relative Permittivity (ϵ_r):	42.49	41.65	2.01	5
		e"	20.3100	Conductivity (σ):	0.91	0.90	1.90	5
	Head 850	e'	42.3500	Relative Permittivity (ϵ_r):	42.35	41.50	2.05	5
		e"	19.6600	Conductivity (σ):	0.93	0.92	1.55	5
2-27-2024	Head 750	e'	42.8400	Relative Permittivity (ϵ_r):	42.84	41.96	2.09	5
		e"	21.8900	Conductivity (σ):	0.91	0.89	2.22	5
	Head 680	e'	43.0900	Relative Permittivity (ϵ_r):	43.09	42.32	1.82	5
		e"	23.4600	Conductivity (σ):	0.89	0.89	-0.08	5
	Head 790	e'	42.6600	Relative Permittivity (ϵ_r):	42.66	41.76	2.16	5
		e"	21.1000	Conductivity (σ):	0.93	0.90	3.43	5
2-27-2024	Head 835	e'	42.4400	Relative Permittivity (ϵ_r):	42.44	41.50	2.27	5
		e"	20.3200	Conductivity (σ):	0.94	0.90	4.83	5
	Head 810	e'	42.5600	Relative Permittivity (ϵ_r):	42.56	41.65	2.18	5
		e"	20.7500	Conductivity (σ):	0.93	0.90	4.11	5
	Head 850	e'	42.3900	Relative Permittivity (ϵ_r):	42.39	41.50	2.14	5
		e"	20.0600	Conductivity (σ):	0.95	0.92	3.62	5
2-28-2024	Head 750	e'	42.8400	Relative Permittivity (ϵ_r):	42.84	41.96	2.09	5
		e"	21.8900	Conductivity (σ):	0.91	0.89	2.22	5
	Head 680	e'	42.7500	Relative Permittivity (ϵ_r):	42.75	42.32	1.01	5
		e"	22.7200	Conductivity (σ):	0.86	0.89	-3.23	5
	Head 790	e'	42.6551	Relative Permittivity (ϵ_r):	42.66	41.76	2.15	5
		e"	21.1000	Conductivity (σ):	0.93	0.90	3.43	5
2-28-2024	Head 835	e'	42.3900	Relative Permittivity (ϵ_r):	42.39	41.50	2.14	5
		e"	20.0600	Conductivity (σ):	0.93	0.90	3.48	5
	Head 810	e'	42.5600	Relative Permittivity (ϵ_r):	42.56	41.65	2.18	5
		e"	20.7500	Conductivity (σ):	0.93	0.90	4.11	5
	Head 850	e'	42.4400	Relative Permittivity (ϵ_r):	42.44	41.50	2.27	5
		e"	20.3200	Conductivity (σ):	0.96	0.92	4.96	5
2-29-2024	Head 750	e'	42.1700	Relative Permittivity (ϵ_r):	42.17	41.96	0.50	5
		e"	21.3700	Conductivity (σ):	0.89	0.89	-0.21	5
	Head 680	e'	42.4400	Relative Permittivity (ϵ_r):	42.44	42.32	0.28	5
		e"	23.1000	Conductivity (σ):	0.87	0.89	-1.61	5
	Head 790	e'	42.0900	Relative Permittivity (ϵ_r):	42.09	41.76	0.80	5
		e"	20.6300	Conductivity (σ):	0.91	0.90	1.12	5
2-29-2024	Head 835	e'	41.9600	Relative Permittivity (ϵ_r):	41.96	41.50	1.11	5
		e"	19.6900	Conductivity (σ):	0.91	0.90	1.58	5
	Head 810	e'	42.0400	Relative Permittivity (ϵ_r):	42.04	41.65	0.93	5
		e"	20.2000	Conductivity (σ):	0.91	0.90	1.35	5
	Head 850	e'	41.9000	Relative Permittivity (ϵ_r):	41.90	41.50	0.96	5
		e"	19.4400	Conductivity (σ):	0.92	0.92	0.41	5
3-1-2024	Head 750	e'	41.2600	Relative Permittivity (ϵ_r):	41.26	41.96	-1.67	5
		e"	21.1200	Conductivity (σ):	0.88	0.89	-1.38	5
	Head 680	e'	41.5049	Relative Permittivity (ϵ_r):	41.50	42.32	-1.93	5
		e"	22.7414	Conductivity (σ):	0.86	0.89	-3.14	5
	Head 790	e'	41.1400	Relative Permittivity (ϵ_r):	41.14	41.76	-1.48	5
		e"	20.3300	Conductivity (σ):	0.89	0.90	-0.35	5

SAR 9 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
3-1-2024	Head 835	e'	40.0200	Relative Permittivity (ε _r):	40.02	41.50	-3.57	5
		e"	19.4900	Conductivity (σ):	0.90	0.90	0.54	5
	Head 810	e'	41.0900	Relative Permittivity (ε _r):	41.09	41.65	-1.35	5
		e"	19.9500	Conductivity (σ):	0.90	0.90	0.09	5
	Head 850	e'	40.9800	Relative Permittivity (ε _r):	40.98	41.50	-1.25	5
		e"	19.2300	Conductivity (σ):	0.91	0.92	-0.67	5
3-4-2024	Head 750	e'	42.8500	Relative Permittivity (ε _r):	42.85	41.96	2.12	5
		e"	21.1100	Conductivity (σ):	0.88	0.89	-1.43	5
	Head 680	e'	43.0500	Relative Permittivity (ε _r):	43.05	42.32	1.72	5
		e"	22.6400	Conductivity (σ):	0.86	0.89	-3.57	5
	Head 790	e'	42.7000	Relative Permittivity (ε _r):	42.70	41.76	2.26	5
		e"	20.3600	Conductivity (σ):	0.89	0.90	-0.20	5
3-4-2024	Head 835	e'	42.8800	Relative Permittivity (ε _r):	42.88	41.50	3.33	5
		e"	19.8100	Conductivity (σ):	0.92	0.90	2.19	5
	Head 810	e'	42.9700	Relative Permittivity (ε _r):	42.97	41.65	3.16	5
		e"	20.2100	Conductivity (σ):	0.91	0.90	1.40	5
	Head 850	e'	42.8300	Relative Permittivity (ε _r):	42.83	41.50	3.20	5
		e"	19.5800	Conductivity (σ):	0.93	0.92	1.14	5
3-5-2024	Head 1750	e'	40.9500	Relative Permittivity (ε _r):	40.95	40.08	2.16	5
		e"	13.4600	Conductivity (σ):	1.31	1.37	-4.33	5
	Head 1695	e'	40.9900	Relative Permittivity (ε _r):	40.99	40.17	2.04	5
		e"	13.6700	Conductivity (σ):	1.29	1.34	-3.71	5
	Head 1780	e'	40.9600	Relative Permittivity (ε _r):	40.96	40.04	2.30	5
		e"	13.3800	Conductivity (σ):	1.32	1.39	-4.45	5
3-5-2024	Head 1900	e'	40.7600	Relative Permittivity (ε _r):	40.76	40.00	1.90	5
		e"	13.3200	Conductivity (σ):	1.41	1.40	0.51	5
	Head 1850	e'	40.8600	Relative Permittivity (ε _r):	40.86	40.00	2.15	5
		e"	13.3700	Conductivity (σ):	1.38	1.40	-1.76	5
	Head 1915	e'	40.7500	Relative Permittivity (ε _r):	40.75	40.00	1.88	5
		e"	13.2900	Conductivity (σ):	1.42	1.40	1.08	5
3-5-2024	Head 2600	e'	39.0200	Relative Permittivity (ε _r):	39.02	39.01	0.02	5
		e"	13.2200	Conductivity (σ):	1.91	1.96	-2.60	5
	Head 2495	e'	39.1900	Relative Permittivity (ε _r):	39.19	39.14	0.12	5
		e"	13.2500	Conductivity (σ):	1.84	1.85	-0.57	5
	Head 2700	e'	38.8600	Relative Permittivity (ε _r):	38.86	38.88	-0.06	5
		e"	13.1400	Conductivity (σ):	1.97	2.07	-4.71	5
3-6-2024	Head 750	e'	40.7100	Relative Permittivity (ε _r):	40.71	41.96	-2.98	5
		e"	21.2900	Conductivity (σ):	0.89	0.89	-0.59	5
	Head 680	e'	40.9900	Relative Permittivity (ε _r):	40.99	42.32	-3.14	5
		e"	22.7700	Conductivity (σ):	0.86	0.89	-3.01	5
	Head 790	e'	40.5400	Relative Permittivity (ε _r):	40.54	41.76	-2.91	5
		e"	20.5600	Conductivity (σ):	0.90	0.90	0.78	5
3-6-2024	Head 835	e'	40.3400	Relative Permittivity (ε _r):	40.34	41.50	-2.80	5
		e"	19.8500	Conductivity (σ):	0.92	0.90	2.40	5
	Head 810	e'	40.4500	Relative Permittivity (ε _r):	40.45	41.65	-2.89	5
		e"	20.2300	Conductivity (σ):	0.91	0.90	1.50	5
	Head 850	e'	40.2900	Relative Permittivity (ε _r):	40.29	41.50	-2.92	5
		e"	19.6200	Conductivity (σ):	0.93	0.92	1.34	5
3-6-2024	Head 2600	e'	39.2500	Relative Permittivity (ε _r):	39.25	39.01	0.61	5
		e"	13.1300	Conductivity (σ):	1.90	1.96	-3.26	5
	Head 2495	e'	39.4600	Relative Permittivity (ε _r):	39.46	39.14	0.81	5
		e"	13.0400	Conductivity (σ):	1.81	1.85	-2.14	5
	Head 2700	e'	39.0400	Relative Permittivity (ε _r):	39.04	38.88	0.40	5
		e"	13.2300	Conductivity (σ):	1.99	2.07	-4.06	5
3-7-2024	Head 750	e'	41.1300	Relative Permittivity (ε _r):	41.13	41.96	-1.98	5
		e"	21.6900	Conductivity (σ):	0.90	0.89	1.28	5
	Head 680	e'	41.4000	Relative Permittivity (ε _r):	41.40	42.32	-2.18	5
		e"	23.3100	Conductivity (σ):	0.88	0.89	-0.71	5
	Head 790	e'	40.9800	Relative Permittivity (ε _r):	40.98	41.76	-1.86	5
		e"	20.9000	Conductivity (σ):	0.92	0.90	2.44	5
3-7-2024	Head 1750	e'	39.2200	Relative Permittivity (ε _r):	39.22	40.08	-2.16	5
		e"	13.8400	Conductivity (σ):	1.35	1.37	-1.63	5
	Head 1695	e'	39.3800	Relative Permittivity (ε _r):	39.38	40.17	-1.96	5
		e"	13.9100	Conductivity (σ):	1.31	1.34	-2.02	5
	Head 1780	e'	39.1200	Relative Permittivity (ε _r):	39.12	40.04	-2.29	5
		e"	13.7900	Conductivity (σ):	1.36	1.39	-1.52	5

SAR 9 Room_(Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
3-7-2024	Head 1900	e'	38.8500	Relative Permittivity (ϵ_r):	38.85	40.00	-2.88	5
		e"	13.6200	Conductivity (σ):	1.44	1.40	2.78	5
	Head 1850	e'	38.9200	Relative Permittivity (ϵ_r):	38.92	40.00	-2.70	5
		e"	13.6800	Conductivity (σ):	1.41	1.40	0.51	5
	Head 1915	e'	38.8400	Relative Permittivity (ϵ_r):	38.84	40.00	-2.90	5
		e"	13.5900	Conductivity (σ):	1.45	1.40	3.36	5
3-8-2024	Head 1750	e'	38.4200	Relative Permittivity (ϵ_r):	38.42	40.08	-4.15	5
		e"	13.5500	Conductivity (σ):	1.32	1.37	-3.69	5
	Head 1695	e'	38.4600	Relative Permittivity (ϵ_r):	38.46	40.17	-4.26	5
		e"	13.6700	Conductivity (σ):	1.29	1.34	-3.71	5
	Head 1780	e'	38.4400	Relative Permittivity (ϵ_r):	38.44	40.04	-3.99	5
		e"	13.5000	Conductivity (σ):	1.34	1.39	-3.59	5
3-8-2024	Head 1900	e'	38.5900	Relative Permittivity (ϵ_r):	38.59	40.00	-3.52	5
		e"	13.5000	Conductivity (σ):	1.43	1.40	1.87	5
	Head 1850	e'	38.4900	Relative Permittivity (ϵ_r):	38.49	40.00	-3.78	5
		e"	13.4600	Conductivity (σ):	1.38	1.40	-1.10	5
	Head 1915	e'	38.6300	Relative Permittivity (ϵ_r):	38.63	40.00	-3.42	5
		e"	13.4900	Conductivity (σ):	1.44	1.40	2.60	5
4-10-2024	Head 750	e'	40.7100	Relative Permittivity (ϵ_r):	40.71	41.96	-2.98	5
		e"	21.3300	Conductivity (σ):	0.89	0.89	-0.40	5
	Head 680	e'	40.9200	Relative Permittivity (ϵ_r):	40.92	42.32	-3.31	5
		e"	22.9100	Conductivity (σ):	0.87	0.89	-2.42	5
	Head 790	e'	40.6000	Relative Permittivity (ϵ_r):	40.60	41.76	-2.77	5
		e"	20.5600	Conductivity (σ):	0.90	0.90	0.78	5
4-10-2024	Head 835	e'	40.4600	Relative Permittivity (ϵ_r):	40.46	41.50	-2.51	5
		e"	19.7600	Conductivity (σ):	0.92	0.90	1.94	5
	Head 810	e'	40.5300	Relative Permittivity (ϵ_r):	40.53	41.65	-2.70	5
		e"	20.1900	Conductivity (σ):	0.91	0.90	1.30	5
	Head 850	e'	40.4100	Relative Permittivity (ϵ_r):	40.41	41.50	-2.63	5
		e"	19.5200	Conductivity (σ):	0.92	0.92	0.83	5
4-14-2024	Head 750	e'	41.8800	Relative Permittivity (ϵ_r):	41.88	41.96	-0.19	5
		e"	21.5900	Conductivity (σ):	0.90	0.89	0.81	5
	Head 680	e'	42.0600	Relative Permittivity (ϵ_r):	42.06	42.32	-0.62	5
		e"	23.2400	Conductivity (σ):	0.88	0.89	-1.01	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
4-14-2024	Head 835	e'	41.6900	Relative Permittivity (ϵ_r):	41.69	41.50	0.46	5
		e"	19.9700	Conductivity (σ):	0.93	0.90	3.02	5
	Head 810	e'	41.7400	Relative Permittivity (ϵ_r):	41.74	41.65	0.21	5
		e"	20.4000	Conductivity (σ):	0.92	0.90	2.35	5
	Head 850	e'	41.6600	Relative Permittivity (ϵ_r):	41.66	41.50	0.39	5
		e"	19.7200	Conductivity (σ):	0.93	0.92	1.86	5

SAR 10 Room

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
3-29-2024	Head 5200	e'	35.7900	Relative Permittivity (ε _r):	35.79	35.99	-0.56	5
		e"	15.7000	Conductivity (σ):	4.54	4.65	-2.40	5
	Head 5250	e'	35.6700	Relative Permittivity (ε _r):	35.67	35.93	-0.73	5
		e"	15.7300	Conductivity (σ):	4.59	4.70	-2.35	5
4-1-2024	Head 5200	e'	36.0500	Relative Permittivity (ε _r):	36.05	35.99	0.17	5
		e"	16.0400	Conductivity (σ):	4.64	4.65	-0.28	5
	Head 5250	e'	35.9700	Relative Permittivity (ε _r):	35.97	35.93	0.10	5
		e"	15.9400	Conductivity (σ):	4.65	4.70	-1.04	5
4-8-2024	Head 3500	e'	38.4700	Relative Permittivity (ε _r):	38.47	37.93	1.42	5
		e"	14.6800	Conductivity (σ):	2.86	2.91	-1.88	5
	Head 3600	e'	38.2400	Relative Permittivity (ε _r):	38.24	37.82	1.12	5
		e"	14.7600	Conductivity (σ):	2.95	3.01	-1.97	5
	Head 3700	e'	38.0400	Relative Permittivity (ε _r):	38.04	37.70	0.90	5
		e"	14.8300	Conductivity (σ):	3.05	3.12	-2.09	5
	Head 3800	e'	37.8700	Relative Permittivity (ε _r):	37.87	37.59	0.75	5
		e"	14.9000	Conductivity (σ):	3.15	3.22	-2.18	5
	Head 3900	e'	37.7500	Relative Permittivity (ε _r):	37.75	37.47	0.74	5
		e"	14.9800	Conductivity (σ):	3.25	3.32	-2.18	5
	Head 3980	e'	37.6500	Relative Permittivity (ε _r):	37.65	37.38	0.72	5
		e"	15.0500	Conductivity (σ):	3.33	3.40	-2.12	5
4-17-2024	Head 3500	e'	37.0300	Relative Permittivity (ε _r):	37.03	37.93	-2.37	5
		e"	14.4500	Conductivity (σ):	2.81	2.91	-3.42	5
	Head 3600	e'	36.8600	Relative Permittivity (ε _r):	36.86	37.82	-2.53	5
		e"	14.5300	Conductivity (σ):	2.91	3.01	-3.50	5
	Head 3700	e'	36.6800	Relative Permittivity (ε _r):	36.68	37.70	-2.71	5
		e"	14.6100	Conductivity (σ):	3.01	3.12	-3.55	5
	Head 3800	e'	36.5100	Relative Permittivity (ε _r):	36.51	37.59	-2.87	5
		e"	14.7000	Conductivity (σ):	3.11	3.22	-3.50	5
	Head 3900	e'	36.3300	Relative Permittivity (ε _r):	36.33	37.47	-3.05	5
		e"	14.8000	Conductivity (σ):	3.21	3.32	-3.36	5
	Head 3980	e'	36.1900	Relative Permittivity (ε _r):	36.19	37.38	-3.19	5
		e"	14.8700	Conductivity (σ):	3.29	3.40	-3.29	5
4-22-2024	Head 2450	e'	40.4200	Relative Permittivity (ε _r):	40.42	39.20	3.11	5
		e"	12.8000	Conductivity (σ):	1.74	1.80	-3.13	5
	Head 2400	e'	40.5300	Relative Permittivity (ε _r):	40.53	39.30	3.14	5
		e"	12.7400	Conductivity (σ):	1.70	1.75	-2.94	5
	Head 2500	e'	40.3600	Relative Permittivity (ε _r):	40.36	39.14	3.13	5
		e"	12.8800	Conductivity (σ):	1.79	1.85	-3.43	5
4-23-2024	Head 835	e'	41.5700	Relative Permittivity (ε _r):	41.57	41.50	0.17	5
		e"	19.3300	Conductivity (σ):	0.90	0.90	-0.28	5
	Head 820	e'	41.6100	Relative Permittivity (ε _r):	41.61	41.60	0.02	5
		e"	19.6000	Conductivity (σ):	0.89	0.90	-0.54	5
	Head 850	e'	41.5300	Relative Permittivity (ε _r):	41.53	41.50	0.07	5
		e"	19.0700	Conductivity (σ):	0.90	0.92	-1.50	5
4-23-2024	Head 2450	e'	39.5000	Relative Permittivity (ε _r):	39.50	39.20	0.77	5
		e"	12.9000	Conductivity (σ):	1.76	1.80	-2.37	5
	Head 2400	e'	39.5900	Relative Permittivity (ε _r):	39.59	39.30	0.75	5
		e"	12.8800	Conductivity (σ):	1.72	1.75	-1.88	5
	Head 2500	e'	39.4600	Relative Permittivity (ε _r):	39.46	39.14	0.83	5
		e"	12.9300	Conductivity (σ):	1.80	1.85	-3.06	5
4-24-2024	Head 2450	e'	39.5000	Relative Permittivity (ε _r):	39.50	39.20	0.77	5
		e"	12.9000	Conductivity (σ):	1.76	1.80	-2.37	5
	Head 2400	e'	39.5900	Relative Permittivity (ε _r):	39.59	39.30	0.75	5
		e"	12.8800	Conductivity (σ):	1.72	1.75	-1.88	5
	Head 2500	e'	39.4600	Relative Permittivity (ε _r):	39.46	39.14	0.83	5
		e"	12.9300	Conductivity (σ):	1.80	1.85	-3.06	5

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Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
4-12-2024	Head 1900	e'	39.5000	Relative Permittivity (ε _r):	39.50	40.00	-1.25	5
		e"	13.6000	Conductivity (σ):	1.44	1.40	2.63	5
	Head 1850	e'	39.5200	Relative Permittivity (ε _r):	39.52	40.00	-1.20	5
		e"	13.6000	Conductivity (σ):	1.40	1.40	-0.07	5
Head 1915	e'	39.4900	Relative Permittivity (ε _r):	39.49	40.00	-1.28	5	
	e"	13.5400	Conductivity (σ):	1.44	1.40	2.98	5	
4-13-2024	Head 2600	e'	40.4800	Relative Permittivity (ε _r):	40.48	39.01	3.77	5
		e"	13.1800	Conductivity (σ):	1.91	1.96	-2.89	5
	Head 2495	e'	40.8100	Relative Permittivity (ε _r):	40.81	39.14	4.26	5
		e"	12.9800	Conductivity (σ):	1.80	1.85	-2.59	5
	Head 2700	e'	40.2400	Relative Permittivity (ε _r):	40.24	38.88	3.49	5
		e"	13.1100	Conductivity (σ):	1.97	2.07	-4.93	5
4-24-2024	Head 2600	e'	40.4600	Relative Permittivity (ε _r):	40.46	39.01	3.71	5
		e"	13.2900	Conductivity (σ):	1.92	1.96	-2.08	5
	Head 2495	e'	40.7900	Relative Permittivity (ε _r):	40.79	39.14	4.21	5
		e"	13.0900	Conductivity (σ):	1.82	1.85	-1.77	5
	Head 2700	e'	40.2100	Relative Permittivity (ε _r):	40.21	38.88	3.41	5
		e"	13.2300	Conductivity (σ):	1.99	2.07	-4.06	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	1122	2-22-2024	2-22-2025	1g	8.58
				10g	5.62
D750V3	1205	4-18-2023	4-18-2025	1g	8.55
				10g	5.59
D835V2	4d174	9-21-2022	9-21-2024	1g	9.6
				10g	6.3
D835V2	4d194	3-11-2024	3-11-2025	1g	9.9
				10g	6.5
D1750V2	1125	11-30-2022	11-30-2024	1g	37.4
				10g	19.7
D1750V2	1180	9-21-2022	9-21-2024	1g	35.60
				10g	18.90
D1900V2	5d190	11-16-2022	11-16-2024	1g	39.7
				10g	20.7
D1900V2	5d199	3-13-2024	3-13-2025	1g	39.7
				10g	20.7
D1900V2	5d199	3-25-2022	3-25-2024	1g	39.4
				10g	20.5
D2300V2	1090	11-15-2022	11-15-2024	1g	48.5
				10g	23.6
D2300V2	1115	4-25-2023	4-25-2025	1g	48.5
				10g	23.5
D2450V2	939	7-19-2023	7-19-2024	1g	52.3
				10g	24.7
D2450V2	960	3-24-2022	3-24-2024	1g	51.9
				10g	24
D2600V2	1097	9-26-2023	9-26-2024	1g	57.3
				10g	25.7
D2600V2	1178	4-25-2023	4-25-2025	1g	57.4
				10g	25.7
D3500V2	1075	5-19-2023	5-29-2024	1g	65.5
				10g	24.7
D3500V2	1121	4-20-2023	4-20-2025	1g	66.6
				10g	25.1
D3700V2	1036	5-19-2023	5-19-2024	1g	67.8
				10g	24.5
D3900V2	1069	4-21-2023	4-21-2025	1g	69.4
				10g	24.0
D5GHzV2	1209	2-28-2023	2-28-2025	1g	80.4
				10g	22.9
D5GHzV2	1209	2-28-2023	2-28-2025	1g	83.1
				10g	23.6
D5GHzV2	1209	2-28-2023	2-28-2025	1g	81.2
				10g	22.9
D5GHzV2	1325	4-21-2023	4-21-2025	1g	79.6
				10g	22.7
D5GHzV2	1325	4-21-2023	4-21-2025	1g	80.4
				10g	22.7
D5GHzV2	1325	4-21-2023	4-21-2025	1g	80.5
				10g	22.5
D5GHzV2	1184	11-23-2022	11-23-2024	1g	79.0
				10g	22.9
D5GHzV2	1184	11-23-2022	11-23-2024	1g	80.8
				10g	23
D5GHzV2	1184	11-23-2022	11-23-2024	1g	79.5
				10g	22.6
CLA-13	1015	8-22-2023	8-22-2024	1g	0.533
				10g	0.333

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 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				
2-23-2024	D1750V2	1125	Head	1g	3.44	34.4	37.40	-8.02	
				10g	1.84	18.4	19.70	-6.60	
2-26-2024	D1750V2	1125	Head	1g	3.56	35.6	37.40	-4.81	
				10g	1.90	19.0	19.70	-3.55	
2-26-2024	D1900V2	5d190	Head	1g	3.87	38.7	39.70	-2.52	
				10g	2.02	20.2	20.70	-2.42	
2-28-2024	D1750V2	1125	Head	1g	3.49	34.9	37.40	-6.68	
				10g	1.84	18.4	19.70	-6.60	
2-29-2024	D1750V2	1125	Head	1g	3.54	35.4	37.40	-5.35	
				10g	1.87	18.7	19.70	-5.08	
2-29-2024	D1900V2	5d190	Head	1g	4.11	41.1	39.70	3.53	
				10g	2.19	21.9	20.70	5.80	
3-4-2024	D1750V2	1125	Head	1g	3.63	36.3	37.40	-2.94	
				10g	1.94	19.4	19.70	-1.52	
3-5-2024	D1900V2	5d190	Head	1g	3.71	37.1	39.70	-6.55	1
				10g	1.93	19.3	20.70	-6.76	
3-6-2024	D1900V2	5d190	Head	1g	3.96	39.6	39.70	-0.25	
				10g	2.05	20.5	20.70	-0.97	
3-7-2024	D1750V2	1125	Head	1g	3.38	33.8	37.40	-9.63	2
				10g	1.78	17.8	19.70	-9.64	
3-7-2024	D1900V2	5d190	Head	1g	3.90	39.0	39.70	-1.76	
				10g	2.02	20.2	20.70	-2.42	
3-8-2024	D1750V2	1125	Head	1g	3.55	35.5	37.40	-5.08	
				10g	1.88	18.8	19.70	-4.57	
3-8-2024	D1900V2	5d190	Head	1g	4.15	41.5	39.70	4.53	
				10g	2.15	21.5	20.70	3.86	
3-11-2024	D1750V2	1125	Head	1g	3.72	37.2	37.40	-0.53	
				10g	1.98	19.8	19.70	0.51	
3-11-2024	D1900V2	5d190	Head	1g	3.95	39.5	39.70	-0.50	
				10g	2.06	20.6	20.70	-0.48	
3-13-2024	D1750V2	1125	Head	1g	3.55	35.5	37.40	-5.08	
				10g	1.88	18.8	19.70	-4.57	
3-13-2024	D1900V2	5d190	Head	1g	3.90	39.0	39.70	-1.76	
				10g	2.02	20.2	20.70	-2.42	
3-19-2024	D2600V2	1178	Head	1g	5.83	58.3	57.40	1.57	
				10g	2.60	26.0	25.70	1.17	
3-20-2024	D2600V2	1178	Head	1g	5.44	54.4	57.40	-5.23	
				10g	2.41	24.1	25.70	-6.23	
3-21-2024	D2600V2	1178	Head	1g	5.89	58.9	57.40	2.61	
				10g	2.61	26.1	25.70	1.56	
3-25-2024	D2300V2	1115	Head	1g	4.91	49.1	48.50	1.24	
				10g	2.34	23.4	23.50	-0.43	
3-26-2024	D2300V2	1115	Head	1g	4.85	48.5	48.50	0.00	
				10g	2.32	23.2	23.50	-1.28	
3-27-2024	D2600V2	1097	Head	1g	5.58	55.8	57.30	-2.62	
				10g	2.49	24.9	25.70	-3.11	
3-28-2024	D2600V2	1178	Head	1g	5.86	58.6	57.40	2.09	
				10g	2.61	26.1	25.70	1.56	
3-29-2024	D2600V2	1178	Head	1g	5.76	57.6	57.40	0.35	
				10g	2.57	25.7	25.70	0.00	
4-1-2024	D2600V2	1178	Head	1g	5.75	57.5	57.40	0.17	
				10g	2.56	25.6	25.70	-0.39	
4-2-2024	D835V2	4d174	Head	1g	0.95	9.5	9.63	-1.87	
				10g	0.58	5.8	6.29	-7.47	
4-5-2024	D2450V2	939	Head	1g	5.32	53.2	52.30	1.72	
				10g	2.43	24.3	24.70	-1.62	
4-9-2024	D2450V2	939	Head	1g	5.35	53.5	52.30	2.29	
				10g	2.45	24.5	24.70	-0.81	
4-10-2024	D750V3	1122	Head	1g	0.83	8.3	8.58	-3.61	
				10g	0.54	5.4	5.62	-3.91	
4-10-2024	D835V2	4d194	Head	1g	1.00	10.0	9.63	3.84	
				10g	0.65	6.5	6.29	2.70	
4-14-2024	D750V3	1122	Head	1g	0.89	8.9	8.58	3.85	
				10g	0.58	5.8	5.62	3.20	
4-14-2024	D835V2	4d174	Head	1g	0.91	9.1	9.63	-5.50	
				10g	0.58	5.8	6.29	-7.47	
4-17-2024	D2600V2	1097	Head	1g	6.17	61.7	57.30	7.68	3
				10g	2.74	27.4	25.70	6.61	
4-22-2024	D2600V2	1178	Head	1g	6.27	62.7	57.40	9.23	4
				10g	2.80	28.0	25.70	8.95	

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				
2-21-2024	D1900V2	5d199	Head	1g	4.11	41.1	39.40	4.31	
				10g	2.20	22.0	20.50	7.32	
2-22-2024	D1750V2	1125	Head	1g	3.82	38.2	37.40	2.14	
				10g	2.11	21.1	19.70	7.11	
2-22-2024	D1900V2	5d190	Head	1g	3.90	39.0	39.70	-1.76	
				10g	2.12	21.2	20.70	2.42	
2-23-2024	D1750V2	1125	Head	1g	3.70	37.0	37.40	-1.07	
				10g	2.05	20.5	19.70	4.06	
2-23-2024	D1900V2	5d190	Head	1g	4.02	40.2	39.70	1.26	
				10g	2.17	21.7	20.70	4.83	
2-26-2024	D1750V2	1125	Head	1g	3.79	37.9	37.40	1.34	
				10g	2.12	21.2	19.70	7.61	
2-29-2024	D2450V2	960	Head	1g	4.90	49.0	51.90	-5.59	
				10g	2.29	22.9	24.00	-4.58	
3-5-2024	D835V2	4d174	Head	1g	0.98	9.8	9.63	1.77	
				10g	0.65	6.5	6.29	2.70	
3-6-2024	D835V2	4d174	Head	1g	1.00	10.0	9.63	3.84	
				10g	0.67	6.7	6.29	7.15	
3-7-2024	D750V2	1122	Head	1g	0.84	8.4	8.58	-1.75	
				10g	0.58	5.8	5.65	2.12	
3-7-2024	D835V2	4d174	Head	1g	1.02	10.2	9.63	5.92	
				10g	0.68	6.8	6.29	8.74	5
3-8-2024	D750V2	1122	Head	1g	0.84	8.4	8.58	-2.21	
				10g	0.57	5.7	5.65	0.53	
3-8-2024	D835V2	4d174	Head	1g	1.00	10.0	9.63	3.32	
				10g	0.68	6.8	6.29	7.47	
3-11-2024	D750V2	1122	Head	1g	0.91	9.1	8.58	6.06	
				10g	0.62	6.2	5.65	9.73	
3-11-2024	D835V2	4d174	Head	1g	0.99	9.9	9.63	2.80	
				10g	0.67	6.7	6.29	7.00	
3-12-2024	D750V2	1122	Head	1g	0.85	8.5	8.58	-1.28	
				10g	0.56	5.6	5.65	-1.24	
3-12-2024	D835V2	4d174	Head	1g	0.99	9.9	9.63	2.28	
				10g	0.61	6.1	6.29	-2.86	
3-13-2024	D750V2	1122	Head	1g	0.83	8.3	8.58	-3.73	
				10g	0.56	5.6	5.65	-1.59	
3-13-2024	D835V2	4d174	Head	1g	1.00	10.0	9.63	3.84	
				10g	0.67	6.7	6.29	6.68	
3-14-2024	D835V2	4d174	Head	1g	1.01	10.1	9.63	4.88	
				10g	0.68	6.8	6.29	8.74	
3-18-2024	D2600V2	1097	Head	1g	5.70	57.0	57.30	-0.52	
				10g	2.71	27.1	25.70	5.45	
3-21-2024	D2450V2	939	Head	1g	5.24	52.4	52.30	0.19	
				10g	2.53	25.3	24.70	2.43	
3-22-2024	D2450V2	939	Head	1g	4.98	49.8	52.30	-4.78	
				10g	2.40	24.0	24.70	-2.83	
3-25-2024	D2450V2	939	Head	1g	5.14	51.4	52.30	-1.72	
				10g	2.48	24.8	24.70	0.40	
3-26-2024	D2450V2	939	Head	1g	5.18	51.8	52.30	-0.96	
				10g	2.50	25.0	24.70	1.21	
3-27-2024	D2450V2	939	Head	1g	5.20	52.0	52.30	-0.57	
				10g	2.51	25.1	24.70	1.62	
3-28-2024	D2450V2	939	Head	1g	5.12	51.2	52.30	-2.10	
				10g	2.47	24.7	24.70	0.00	
4-1-2024	D3500V2	1121	Head	1g	7.02	70.2	66.60	5.41	
				10g	2.76	27.6	25.10	9.96	6
4-1-2024	D3700V2	1036	Head	1g	6.44	64.4	67.80	-5.01	
				10g	2.48	24.8	24.50	1.22	7
4-1-2024	D3900V2	1069	Head	1g	7.25	72.5	69.40	4.47	
				10g	2.63	26.3	24.00	9.58	
4-2-2024	D2300V2	1090	Head	1g	5.16	51.6	48.50	6.39	
				10g	2.57	25.7	23.60	8.90	
4-4-2024	D1750V2	1125	Head	1g	3.40	34.0	37.40	-9.09	
				10g	1.81	18.1	19.70	-8.12	
4-4-2024	D2300V2	1090	Head	1g	4.98	49.8	48.50	2.68	
				10g	2.38	23.8	23.60	0.85	
4-4-2024	D2600V2	1097	Head	1g	5.54	55.4	57.30	-3.32	
				10g	2.47	24.7	25.70	-3.89	
4-5-2024	D5GHzV2 (5800)	1209	Head	1g	7.98	79.8	81.20	-1.72	
				10g	2.28	22.8	22.90	-0.44	
4-9-2024	D5GHzV2 (5250)	1209	Head	1g	7.94	79.4	80.40	-1.24	
				10g	2.23	22.3	22.90	-2.62	
4-9-2024	D5GHzV2	1209	Head	1g	8.47	84.7	83.10	1.93	
				10g	2.37	23.7	23.60	0.42	
4-9-2024	D5GHzV2 (5800)	1209	Head	1g	8.14	81.4	81.20	0.25	
				10g	2.32	23.2	22.90	1.31	
4-13-2024	D3500V2	1121	Head	1g	6.39	63.9	66.60	-4.05	
				10g	2.56	25.6	25.10	1.99	
4-13-2024	D3700V2	1036	Head	1g	6.51	65.1	67.80	-3.98	
				10g	2.60	26.0	24.50	6.12	
4-13-2024	D3900V2	1069	Head	1g	6.43	64.3	69.40	-7.35	
				10g	2.58	25.8	24.00	7.50	8
4-17-2024	D3500V2	1121	Head	1g	6.79	67.9	66.60	1.95	
				10g	2.70	27.0	25.10	7.57	
4-17-2024	D3700V2	1036	Head	1g	6.74	67.4	67.80	-0.59	
				10g	2.68	26.8	24.50	9.39	
4-22-2024	D2600V2	1178	Head	1g	5.53	55.3	57.40	-3.66	
				10g	2.65	26.5	25.70	3.11	
4-25-2024	D2600V2	1178	Head	1g	5.55	55.5	57.40	-3.31	
				10g	2.68	26.8	25.70	4.28	

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				
2-21-2024	D750V3	1205	Head	1g	0.90	9.0	8.55	4.68	
				10g	0.60	6.0	5.59	7.51	
2-22-2024	D750V3	1205	Head	1g	0.87	8.7	8.55	1.29	
				10g	0.57	5.7	5.59	1.79	
2-23-2024	D750V3	1205	Head	1g	0.86	8.6	8.55	0.47	
				10g	0.57	5.7	5.59	1.97	
2-26-2024	D750V3	1205	Head	1g	0.78	7.8	8.55	-8.30	9
				10g	0.52	5.2	5.59	-6.62	
2-26-2024	D835V2	4d194	Head	1g	1.01	10.1	9.77	3.38	
				10g	0.67	6.7	6.39	4.07	
2-27-2024	D750V3	1205	Head	1g	0.92	9.2	8.55	8.07	
				10g	0.60	6.0	5.59	8.05	
2-28-2024	D750V3	1205	Head	1g	0.90	9.0	8.55	4.80	
				10g	0.60	6.0	5.59	7.33	
2-28-2024	D835V2	4d194	Head	1g	1.03	10.3	9.77	5.42	
				10g	0.69	6.9	6.39	7.20	
2-29-2024	D750V3	1205	Head	1g	0.92	9.2	8.55	7.13	
				10g	0.61	6.1	5.59	9.66	
2-29-2024	D835V2	4d194	Head	1g	0.90	9.0	9.77	-7.68	
				10g	0.60	6.0	6.39	-6.10	
3-20-2024	D5GHzV2 (5250)	1209	Head	1g	7.85	78.5	80.40	-2.36	
				10g	2.27	22.7	22.90	-0.87	
3-20-2024	D5GHzV2 (5600)	1209	Head	1g	8.52	85.2	83.10	2.53	
				10g	2.45	24.5	23.60	3.81	
3-20-2024	D5GHzV2 (5800)	1209	Head	1g	7.73	77.3	81.20	-4.80	
				10g	2.21	22.1	22.90	-3.49	
3-21-2024	D5GHzV2 (5250)	1209	Head	1g	7.88	78.5	80.40	-1.99	
				10g	2.27	22.7	22.90	-0.87	
3-21-2024	D5GHzV2 (5600)	1209	Head	1g	8.49	85.2	83.10	2.17	
				10g	2.45	24.5	23.60	3.81	
3-21-2024	D5GHzV2 (5800)	1209	Head	1g	8.08	77.3	81.20	-0.49	
				10g	2.31	22.1	22.90	0.87	
3-22-2024	D5GHzV2 (5600)	1209	Head	1g	8.33	83.3	83.10	0.24	
				10g	2.40	24.0	23.60	1.69	
3-22-2024	D5GHzV2 (5800)	1209	Head	1g	7.80	78.0	81.20	-3.94	
				10g	2.23	22.3	22.90	-2.62	
3-26-2024	D2600V2	1097	Head	1g	5.57	55.7	57.30	-2.79	
				10g	2.52	25.2	25.70	-1.95	
3-27-2024	D2600V2	1178	Head	1g	5.59	55.9	57.40	-2.61	
				10g	2.53	25.3	25.70	-1.56	
3-27-2024	D5GHzV2 (5600)	1209	Head	1g	8.86	88.6	83.10	6.62	10
				10g	2.55	25.5	23.60	8.05	
3-28-2024	D2600V2	1178	Head	1g	5.35	53.5	57.40	-6.79	
				10g	2.42	24.2	25.70	-5.84	
3-29-2024	D2600V2	1178	Head	1g	5.38	53.8	57.40	-6.27	
				10g	2.44	24.4	25.70	-5.06	
4-2-2024	D3500V2	1075	Head	1g	6.10	61.0	65.50	-6.87	
				10g	2.36	23.6	24.70	-4.45	
4-5-2024	D1750V2	1125	Head	1g	3.86	38.6	37.40	3.21	
				10g	2.06	20.6	19.70	4.57	
4-5-2024	D1900V2	5d190	Head	1g	4.07	40.7	39.70	2.52	
				10g	2.15	21.5	20.70	3.86	
4-9-2024	D1750V2	1125	Head	1g	3.61	36.1	37.40	-3.48	
				10g	1.93	19.3	19.70	-2.03	
4-9-2024	D1900V2	5d190	Head	1g	3.85	38.5	39.70	-3.02	
				10g	2.02	20.2	20.70	-2.42	
4-13-2024	D1750V2	1125	Head	1g	3.72	37.2	37.40	-0.53	
				10g	1.98	19.8	19.70	0.51	
4-13-2024	D1900V2	5d190	Head	1g	3.80	38.0	39.70	-4.28	
				10g	1.99	19.9	20.70	-3.86	
4-15-2024	D750V3	1122	Head	1g	0.82	8.2	8.58	-4.90	
				10g	0.54	5.4	5.62	-3.74	
4-15-2024	D835V2	4d174	Head	1g	0.93	9.3	9.63	-3.22	
				10g	0.61	6.1	6.29	-3.18	
4-18-2024	D3500V2	1075	Head	1g	6.53	65.3	65.50	-0.31	
				10g	2.54	25.4	24.70	2.83	
4-18-2024	D3700V2	1036	Head	1g	6.92	69.2	67.80	2.06	
				10g	2.60	26.0	24.50	6.12	
4-18-2024	D3900V2	1069	Head	1g	6.99	69.9	69.40	0.72	
				10g	2.51	25.1	24.00	4.58	
4-23-2024	D835V2	4d174	Head	1g	1.00	10.0	9.63	3.43	
				10g	0.61	6.1	6.29	-3.18	

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			
2-22-2024	D2600V2	1097	Head	1g	5.42	54.2	57.30	-5.41
				10g	2.47	24.7	25.70	-3.89
2-23-2024	D2600V2	1097	Head	1g	5.79	57.9	57.30	1.05
				10g	2.61	26.1	25.70	1.56
2-26-2024	D2600V2	1097	Head	1g	5.41	54.1	57.30	-5.58
				10g	2.44	24.4	25.70	-5.06
2-27-2024	D835V2	4d194	Head	1g	0.93	9.3	9.77	-4.50
				10g	0.61	6.1	6.39	-4.69
2-28-2024	D1750V2	1125	Head	1g	3.64	36.4	37.40	-2.67
				10g	1.93	19.3	19.70	-2.03
2-28-2024	D1900V2	5d190	Head	1g	4.15	41.5	39.70	4.53
				10g	2.15	21.5	20.70	3.86
2-29-2024	D1750V2	1125	Head	1g	3.53	35.3	37.40	-5.61
				10g	1.89	18.9	19.70	-4.06
2-29-2024	D1900V2	5d199	Head	1g	4.18	41.8	39.40	6.09
				10g	2.18	21.8	20.50	6.34
3-1-2024	D1750V2	1125	Head	1g	3.60	36.0	37.40	-3.74
				10g	1.92	19.2	19.70	-2.54
3-1-2024	D1900V2	5d199	Head	1g	3.88	38.8	39.70	-2.27
				10g	2.02	20.2	20.70	-2.42
3-4-2024	D1750V2	1125	Head	1g	3.98	39.8	37.40	6.42
				10g	2.16	21.6	19.70	9.64
3-5-2024	D1750V2	1125	Head	1g	3.80	38.0	37.40	1.60
				10g	2.02	20.2	19.70	2.54
3-5-2024	D1900V2	5d190	Head	1g	3.89	38.9	39.70	-2.02
				10g	2.03	20.3	20.70	-1.93
3-6-2024	D1900V2	5d190	Head	1g	3.81	38.1	39.70	-4.03
				10g	1.99	19.9	20.70	-3.86
3-12-2024	D1900V2	5d190	Head	1g	3.81	38.1	39.70	-4.03
				10g	2.00	20.0	20.70	-3.38
3-12-2024	D2600V2	1097	Head	1g	5.66	56.6	57.30	-1.22
				10g	2.53	25.3	25.70	-1.56
3-13-2024	D750V3	1122	Head	1g	0.86	8.6	8.58	0.12
				10g	0.57	5.7	5.62	0.71
3-14-2024	D750V3	1122	Head	1g	0.82	8.2	8.58	-4.43
				10g	0.54	5.4	5.62	-3.20
3-15-2024	D750V3	1122	Head	1g	0.82	8.2	8.58	-4.08
				10g	0.55	5.5	5.62	-3.02
3-15-2024	D835V2	4d174	Head	1g	0.91	9.1	9.63	-5.71
				10g	0.60	6.0	6.29	-3.97
3-18-2024	D750V3	1122	Head	1g	0.85	8.5	8.58	-0.93
				10g	0.57	5.7	5.62	0.71
3-19-2024	D750V3	1122	Head	1g	0.86	8.6	8.58	-0.23
				10g	0.57	5.7	5.62	0.89
3-20-2024	D750V3	1122	Head	1g	0.85	8.5	8.58	-0.47
				10g	0.57	5.7	5.62	0.53
3-21-2024	D750V3	1122	Head	1g	0.86	8.6	8.58	0.35
				10g	0.57	5.7	5.62	1.42
3-27-2024	D2600V2	1097	Head	1g	5.97	59.7	57.30	4.19
				10g	2.66	26.6	25.70	3.50
3-27-2024	D2600V2	1178	Head	1g	5.95	59.5	57.40	3.66
				10g	2.66	26.6	25.70	3.50
3-28-2024	D2600V2	1178	Head	1g	5.87	58.7	57.40	2.26
				10g	2.63	26.3	25.70	2.33
3-29-2024	D2600V2	1178	Head	1g	5.79	57.9	57.40	0.87
				10g	2.58	25.8	25.70	0.39
4-1-2024	D2600V2	1178	Head	1g	5.86	58.6	57.40	2.09
				10g	2.60	26.0	25.70	1.17
4-2-2024	D2600V2	1097	Head	1g	5.74	57.4	57.30	0.17
				10g	2.56	25.6	25.70	-0.39
4-3-2024	D3500V2	1075	Head	1g	5.93	59.3	65.50	-9.47
				10g	2.23	22.3	24.70	-9.72
4-3-2024	D3700V2	1036	Head	1g	7.31	73.1	67.80	7.82
				10g	2.68	26.8	24.50	9.39
4-4-2024	D3500V2	1075	Head	1g	6.83	68.3	65.50	4.27
				10g	2.60	26.0	24.70	5.26
4-4-2024	D3700V2	1036	Head	1g	7.01	70.1	67.80	3.39
				10g	2.60	26.0	24.50	6.12
4-5-2024	D3500V2	1075	Head	1g	6.53	65.3	65.50	-0.31
				10g	2.50	25.0	24.70	1.21

SAR 5 Room_(Continued)

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				
4-5-2024	D3700V2	1036	Head	1g	6.65	66.5	67.80	-1.92	11
				10g	2.45	24.5	24.50	0.00	
4-5-2024	D3900V2	1069	Head	1g	6.41	64.1	69.40	-7.64	
				10g	2.27	22.7	24.00	-5.42	
4-9-2024	D750V3	1122	Head	1g	0.92	9.2	8.58	7.34	
				10g	0.60	6.0	5.62	6.05	
4-9-2024	D835V2	4d174	Head	1g	0.98	9.8	9.63	1.77	
				10g	0.60	6.0	6.29	-4.77	
4-9-2024	D2600V2	1097	Head	1g	6.08	60.8	57.30	6.11	
				10g	2.69	26.9	25.70	4.67	
4-11-2024	D2600V2	1097	Head	1g	6.08	60.8	57.30	6.11	
				10g	2.71	27.1	25.70	5.45	
4-12-2024	D3500V2	1075	Head	1g	6.28	62.8	65.50	-4.12	
				10g	2.41	24.1	24.70	-2.43	
4-12-2024	D3700V2	1036	Head	1g	7.25	72.5	67.80	6.93	
				10g	2.68	26.8	24.50	9.39	
4-15-2024	D3500V2	1075	Head	1g	6.40	64.0	65.50	-2.29	
				10g	2.46	24.6	24.70	-0.40	
4-15-2024	D3700V2	1036	Head	1g	6.77	67.7	67.80	-0.15	
				10g	2.50	25.0	24.50	2.04	
4-16-2024	D3500V2	1075	Head	1g	6.44	64.4	65.50	-1.68	
				10g	2.47	24.7	24.70	0.00	
4-16-2024	D3700V2	1036	Head	1g	6.86	68.6	67.80	1.18	
				10g	2.54	25.4	24.50	3.67	
4-16-2024	D3900V2	1069	Head	1g	7.24	72.4	69.40	4.32	
				10g	2.61	26.1	24.00	8.75	
4-17-2024	D5GHzV2 (5250)	1209	Head	1g	8.45	84.5	80.40	5.10	
				10g	2.43	24.3	22.90	6.11	
4-17-2024	D5GHzV2	1209	Head	1g	8.81	88.1	83.10	6.02	
				10g	2.49	24.9	23.60	5.51	
4-17-2024	D5GHzV2 (5800)	1209	Head	1g	8.54	85.4	81.20	5.17	
				10g	2.43	24.3	22.90	6.11	
4-22-2024	D2600V2	1178	Head	1g	5.49	54.9	57.40	-4.36	
				10g	2.43	24.3	25.70	-5.45	

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				
2-26-2024	D835V2	4d174	Head	1g	1.00	10.0	9.63	3.84	
				10g	0.67	6.7	6.29	6.04	
2-27-2024	D750V2	1205	Head	1g	0.92	9.2	8.55	7.02	
				10g	0.61	6.1	5.59	9.30	
2-27-2024	D835V2	4d174	Head	1g	1.02	10.2	9.63	5.92	
				10g	0.68	6.8	6.29	8.27	
2-28-2024	D750V2	1205	Head	1g	0.80	8.0	8.55	-6.43	
				10g	0.53	5.3	5.59	-4.65	
2-28-2024	D2300V2	1115	Head	1g	4.76	47.6	48.50	-1.86	
				10g	2.32	23.2	23.50	-1.28	
2-29-2024	D2300V2	1115	Head	1g	4.72	47.2	48.50	-2.68	
				10g	2.30	23.0	23.50	-2.13	
3-5-2024	D2300V2	1115	Head	1g	4.73	47.3	48.50	-2.47	
				10g	2.32	23.2	23.50	-1.28	
3-5-2024	D2600V2	1178	Head	1g	5.40	54.0	57.40	-5.92	
				10g	2.48	24.8	25.70	-3.50	
3-6-2024	D835V2	4d174	Head	1g	0.99	9.9	9.63	3.01	
				10g	0.65	6.5	6.29	3.97	
3-6-2024	D2600V2	1178	Head	1g	5.39	53.9	57.40	-6.10	
				10g	2.48	24.8	25.70	-3.50	
3-12-2024	D5GHzV2(5600)	1184	Head	1g	8.24	82.4	81.60	0.98	12
				10g	2.38	23.8	23.10	3.03	
3-13-2024	D5GHzV2(5250)	1325	Head	1g	7.45	74.5	79.60	-6.41	
				10g	2.16	21.6	22.70	-4.85	
3-13-2024	D5GHzV2(5600)	1325	Head	1g	8.18	81.8	83.90	-2.50	
				10g	2.36	23.6	23.80	-0.84	
3-13-2024	D5GHzV2(5800)	1325	Head	1g	7.83	78.3	80.50	-2.73	
				10g	2.26	22.6	22.50	0.44	
3-18-2024	CLA-13	1015	Head	1g	0.06	0.6	0.53	5.07	13
				10g	0.04	0.4	0.33	5.11	
4-3-2024	D3500V2	1121	Head	1g	6.47	64.7	66.60	-2.85	
				10g	2.55	25.5	25.10	1.59	
4-3-2024	D3700V2	1036	Head	1g	6.73	67.3	67.80	-0.74	
				10g	2.57	25.7	24.50	4.90	
4-3-2024	D3900V2	1069	Head	1g	7.14	71.4	69.40	2.88	
				10g	2.59	25.9	24.00	7.92	
4-4-2024	D3500V2	1121	Head	1g	6.74	67.4	66.60	1.20	
				10g	2.65	26.5	25.10	5.58	
4-4-2024	D3700V2	1036	Head	1g	6.90	69.0	67.80	1.77	
				10g	2.63	26.3	24.50	7.35	
4-4-2024	D3900V2	1069	Head	1g	7.01	70.1	69.40	1.01	
				10g	2.54	25.4	24.00	5.83	
4-5-2024	D3500V2	1121	Head	1g	6.37	63.7	66.60	-4.35	
				10g	2.51	25.1	25.10	0.00	
4-9-2024	D2600V2	1097	Head	1g	5.99	59.9	57.30	4.54	
				10g	2.79	27.9	25.70	8.56	
4-15-2024	D2600V2	1097	Head	1g	5.60	56.0	57.30	-2.27	
				10g	2.61	26.1	25.70	1.56	
4-16-2024	D3500V2	1121	Head	1g	6.36	63.6	66.60	-4.50	
				10g	2.56	25.6	25.10	1.99	
4-16-2024	D3700V2	1036	Head	1g	6.88	68.8	67.80	1.47	
				10g	2.67	26.7	24.50	8.98	
4-17-2024	D2300V2	1090	Head	1g	4.47	44.7	48.50	-7.84	14
				10g	2.21	22.1	23.60	-6.36	
4-20-2024	D2600V2	1097	Head	1g	5.90	59.0	57.30	2.97	
				10g	2.79	27.9	25.70	8.56	

SAR 8 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				
2-26-2024	D2600V2	1178	Head	1g	5.70	57.0	57.30	-0.52	
				10g	2.68	26.8	25.70	4.28	
2-27-2024	D2450V2	939	Head	1g	5.16	51.6	52.30	-1.34	
				10g	2.43	24.3	24.70	-1.62	
2-28-2024	D2450V2	939	Head	1g	5.11	51.1	52.30	-2.29	
				10g	2.38	23.8	24.70	-3.64	
2-28-2024	D5GHzV2 (5800)	1325	Head	1g	7.48	74.8	80.50	-7.08	15
				10g	2.13	21.3	22.50	-5.33	
2-29-2024	D5GHzV2 (5800)	1325	Head	1g	7.89	78.9	80.50	-1.99	
				10g	2.24	22.4	22.50	-0.44	
3-4-2024	D5GHzV2 (5600)	1325	Head	1g	8.16	81.6	83.90	-2.74	
				10g	2.34	23.4	23.80	-1.68	
3-5-2024	D5GHzV2 (5250)	1325	Head	1g	7.42	74.2	79.60	-6.78	
				10g	2.13	21.3	22.70	-6.17	
3-5-2024	D5GHzV2 (5800)	1325	Head	1g	7.96	79.6	80.50	-1.12	
				10g	2.28	22.8	22.50	1.33	
3-6-2024	D3500V2	1075	Head	1g	6.52	65.2	65.50	-0.46	
				10g	2.56	25.6	24.70	3.64	
3-6-2024	D3700V2	1036	Head	1g	6.61	66.1	67.80	-2.51	
				10g	2.52	25.2	24.50	2.86	
3-7-2024	D2300V2	1115	Head	1g	4.55	45.5	48.50	-6.19	16
				10g	2.24	22.4	23.50	-4.68	
3-7-2024	D2450V2	939	Head	1g	5.15	51.5	52.30	-1.53	
				10g	2.46	24.6	24.70	-0.40	
3-7-2024	D2600V2	1178	Head	1g	5.46	54.6	57.40	-4.88	
				10g	2.52	25.2	25.70	-1.95	
3-8-2024	D2450V2	939	Head	1g	4.92	49.2	52.30	-5.93	17
				10g	2.34	23.4	24.70	-5.26	
3-8-2024	D2600V2	1178	Head	1g	5.34	53.4	57.40	-6.97	
				10g	2.47	24.7	25.70	-3.89	
3-11-2024	D2450V2	939	Head	1g	4.98	49.8	52.30	-4.78	
				10g	2.39	23.9	24.70	-3.24	
4-5-2024	D3500V2	1075	Head	1g	6.47	64.7	65.50	-1.22	18
				10g	2.61	26.1	24.70	5.67	
4-5-2024	D3900V2	1069	Head	1g	6.76	67.6	69.40	-2.59	
				10g	2.52	25.2	24.00	5.00	
4-9-2024	D750V3	1205	Head	1g	0.84	8.4	8.55	-1.64	
				10g	0.56	5.6	5.59	0.54	
4-9-2024	D3700V2	1036	Head	1g	6.95	69.5	67.80	2.51	
				10g	2.67	26.7	24.50	8.98	
4-15-2024	D2450V2	939	Head	1g	5.15	51.5	52.30	-1.53	
				10g	2.52	25.2	24.70	2.02	
4-16-2024	D2300V2	1090	Head	1g	4.83	48.3	48.50	-0.41	
				10g	2.43	24.3	23.60	2.97	
4-18-2024	D2600V2	1097	Head	1g	5.86	58.6	57.30	2.27	
				10g	2.79	27.9	25.70	8.56	
4-19-2024	D2300V2	1090	Head	1g	5.04	50.4	48.50	3.92	
				10g	2.55	25.5	23.60	8.05	
4-21-2024	D2600V2	1178	Head	1g	5.56	55.6	57.40	-3.14	
				10g	2.63	26.3	25.70	2.33	
4-22-2024	D2300V2	1090	Head	1g	4.75	47.5	48.50	-2.06	
				10g	2.35	23.5	23.60	-0.42	
4-22-2024	D2600V2	1178	Head	1g	5.75	57.5	57.40	0.17	
				10g	2.72	27.2	25.70	5.84	
4-25-2024	D2600V2	1097	Head	1g	5.71	57.1	57.30	-0.35	
				10g	2.77	27.7	25.70	7.78	

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				
2-21-2024	D750V3	1205	Head	1g	0.86	8.6	8.55	0.35	
				10g	0.58	5.8	5.59	3.76	
2-21-2024	D835V2	4d174	Head	1g	0.98	9.8	9.63	1.87	
				10g	0.66	6.6	6.29	4.77	
2-22-2024	D750V3	1205	Head	1g	0.85	8.5	8.55	-0.47	
				10g	0.58	5.8	5.59	3.04	
2-22-2024	D835V2	4d174	Head	1g	0.99	9.9	9.63	2.91	
				10g	0.67	6.7	6.29	5.72	
2-27-2024	D750V3	1205	Head	1g	0.83	8.3	8.55	-2.81	
				10g	0.57	5.7	5.59	1.07	
2-27-2024	D835V2	4d174	Head	1g	0.98	9.8	9.63	1.77	
				10g	0.66	6.6	6.29	5.09	
2-28-2024	D750V3	1205	Head	1g	0.83	8.3	8.55	-2.46	
				10g	0.57	5.7	5.59	1.61	
2-28-2024	D835V2	4d174	Head	1g	0.96	9.6	9.63	-0.31	
				10g	0.65	6.5	6.29	3.02	
2-29-2024	D750V3	1205	Head	1g	0.82	8.2	8.55	-3.98	
				10g	0.56	5.6	5.59	0.00	
2-29-2024	D835V2	4d174	Head	1g	0.95	9.5	9.63	-1.04	
				10g	0.64	6.4	6.29	2.07	
3-1-2024	D750V3	1205	Head	1g	0.82	8.2	8.55	-4.44	
				10g	0.55	5.5	5.59	-0.89	
3-1-2024	D835V2	4d174	Head	1g	0.96	9.6	9.63	-0.42	
				10g	0.65	6.5	6.29	2.86	
3-4-2024	D750V3	1205	Head	1g	0.83	8.3	8.55	-2.81	
				10g	0.57	5.7	5.59	1.79	
3-4-2024	D835V2	4d174	Head	1g	0.98	9.8	9.63	1.25	
				10g	0.66	6.6	6.29	5.41	
3-4-2024	D750V3	1205	Head	1g	0.81	8.1	8.55	-4.91	
				10g	0.56	5.6	5.59	-0.36	
3-4-2024	D835V2	4d174	Head	1g	0.96	9.6	9.63	-0.21	
				10g	0.65	6.5	6.29	3.66	
3-5-2024	D1750V2	1180	Head	1g	3.30	33.0	35.60	-7.30	
				10g	1.83	18.3	18.90	-3.17	
3-5-2024	D1900V2	5d190	Head	1g	3.86	38.6	39.70	-2.77	
				10g	2.07	20.7	20.70	0.00	
3-5-2024	D2600V2	1178	Head	1g	5.68	56.8	57.40	-1.05	
				10g	2.65	26.5	25.70	3.11	
3-6-2024	D2600V2	1178	Head	1g	5.35	53.5	57.40	-6.79	
				10g	2.49	24.9	25.70	-3.11	
3-6-2024	D750V3	1205	Head	1g	0.83	8.3	8.55	-2.81	
				10g	0.57	5.7	5.59	1.25	
3-6-2024	D835V2	4d174	Head	1g	0.96	9.6	9.63	0.00	
				10g	0.65	6.5	6.29	3.50	
3-7-2024	D750V3	1205	Head	1g	0.83	8.3	8.55	-3.04	
				10g	0.56	5.6	5.59	0.54	
3-7-2024	D1750V2	1180	Head	1g	3.25	32.5	35.60	-8.71	19
				10g	1.82	18.2	18.90	-3.70	
3-7-2024	D1900V2	5d190	Head	1g	3.97	39.7	39.70	0.00	
				10g	2.13	21.3	20.70	2.90	
3-8-2024	D1750V2	1180	Head	1g	3.34	33.4	35.60	-6.18	
				10g	1.83	18.3	18.90	-3.17	
3-8-2024	D1900V2	5d190	Head	1g	3.94	39.4	39.70	-0.76	
				10g	2.10	21.0	20.70	1.45	
4-10-2024	D750V3	1205	Head	1g	0.82	8.2	8.55	-4.44	
				10g	0.55	5.5	5.59	-1.07	
4-10-2024	D835V2	4d174	Head	1g	0.96	9.6	9.63	-0.62	
				10g	0.64	6.4	6.29	2.23	
4-14-2024	D835V2	4d174	Head	1g	1.02	10.2	9.63	5.92	
				10g	0.68	6.8	6.29	7.79	
4-14-2024	D750V2	1122	Head	1g	0.81	8.1	8.58	-5.13	
				10g	0.54	5.4	5.62	-3.20	

SAR 10 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				
3-29-2024	D5GHzV2	1209	Head	1g	8.01	80.1	80.40	-0.37	
				10g	2.33	23.3	22.90	1.75	
4-1-2024	D5GHzV2	1209	Head	1g	8.09	80.9	80.40	0.62	
				10g	2.35	23.5	22.90	2.62	
4-8-2024	D3500V2	1121	Head	1g	7.00	70.0	66.60	5.11	
				10g	2.74	27.4	25.10	9.16	
4-8-2024	D3700V2	1036	Head	1g	6.99	69.9	67.80	3.10	
				10g	2.66	26.6	24.50	8.57	
4-8-2024	D3900V2	1069	Head	1g	6.95	69.5	69.40	0.14	
				10g	2.51	25.1	24.00	4.58	
4-17-2024	D3700V2	1036	Head	1g	6.68	66.8	67.80	-1.47	
				10g	2.56	25.6	24.50	4.49	
4-22-2024	D2450V2	960	Head	1g	5.17	51.7	51.80	-0.19	
				10g	2.49	24.9	24.10	3.32	
4-23-2024	D835V2	4d194	Head	1g	1.00	10.0	9.86	1.01	
				10g	0.66	6.6	6.45	2.02	
4-23-2024	D2450V2	960	Head	1g	4.79	47.9	51.80	-7.53	20
				10g	2.27	22.7	24.10	-5.81	
4-24-2024	D2450V2	960	Head	1g	5.10	51.0	51.80	-1.54	
				10g	2.46	24.6	24.10	2.07	

SAR 11 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				
4-12-2024	D1900V2	5d199	Head	1g	3.71	37.1	39.70	-6.55	21
				10g	1.94	19.4	20.70	-6.28	
4-13-2024	D2600V2	1178	Head	1g	5.87	58.7	57.40	2.26	
				10g	2.76	27.6	25.70	7.39	
4-24-2024	D2600V2	1178	Head	1g	5.93	59.3	57.40	3.31	
				10g	2.82	28.2	25.70	9.73	

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(Ant.A & Ant.A+B 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	31.83	22.64	33.3	24.1
			190	836.6	32.09	22.90		
			251	848.8	32.24	23.05		
GPRS (GMSK)	CS1	1	128	824.2	31.85	22.66	33.3	24.1
			190	836.6	32.00	22.81		
			251	848.8	32.17	22.98		
		2	128	824.2	30.98	24.80	32.5	26.3
			190	836.6	31.07	24.89		
			251	848.8	31.08	24.90		
		3	128	824.2	28.94	24.52	30.5	26.1
			190	836.6	28.87	24.45		
			251	848.8	29.03	24.61		
		4	128	824.2	26.94	23.77	28.5	25.3
			190	836.6	27.03	23.86		
			251	848.8	27.33	24.16		
EGPRS (8PSK)	MCS5	1	128	824.2	26.06	16.87	28.0	18.8
			190	836.6	26.60	17.41		
			251	848.8	27.04	17.85		
		2	128	824.2	24.44	18.26	26.0	19.8
			190	836.6	24.37	18.19		
			251	848.8	25.14	18.96		
		3	128	824.2	22.38	17.96	24.0	19.6
			190	836.6	22.42	18.00		
			251	848.8	23.11	18.69		
		4	128	824.2	21.41	18.24	23.0	19.8
			190	836.6	21.76	18.59		
			251	848.8	22.27	19.10		

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.

GSM850(Ant.D) 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	31.87	22.68	33.3	24.1
			190	836.6	31.98	22.79		
			251	848.8	32.03	22.84		
GPRS (GMSK)	CS1	1	128	824.2	31.85	22.66	33.3	24.1
			190	836.6	31.59	22.40		
			251	848.8	31.77	22.58		
		2	128	824.2	30.88	24.70	32.5	26.3
			190	836.6	30.84	24.66		
			251	848.8	30.94	24.76		
		3	128	824.2	29.00	24.58	30.5	26.1
			190	836.6	29.08	24.66		
			251	848.8	29.12	24.70		
		4	128	824.2	27.07	23.90	28.5	25.3
			190	836.6	27.35	24.18		
			251	848.8	27.38	24.21		
EGPRS (8PSK)	MCS5	1	128	824.2	26.16	16.97	28.0	18.8
			190	836.6	26.53	17.34		
			251	848.8	26.71	17.52		
		2	128	824.2	24.67	18.49	26.0	19.8
			190	836.6	25.07	18.89		
			251	848.8	25.27	19.09		
		3	128	824.2	22.87	18.45	24.0	19.6
			190	836.6	22.96	18.54		
			251	848.8	22.84	18.42		
		4	128	824.2	21.78	18.61	23.0	19.8
			190	836.6	22.00	18.83		
			251	848.8	22.07	18.90		

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(Ant.B) Measured Results

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)				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	29.05	19.86	30.5	21.3	27.41	18.22	28.5	19.3
			661	1880.0	29.31	20.12			27.96	18.77		
			810	1909.8	28.88	19.69			27.51	18.32		
GPRS (GMSK)	CS1	1	512	1850.2	29.04	19.85	30.5	21.3	27.44	18.25	28.5	19.3
			661	1880.0	29.14	19.95			27.87	18.68		
			810	1909.8	28.66	19.47			27.34	18.15		
		2	512	1850.2	27.29	21.11	29.0	22.8	24.35	18.17	25.5	19.3
			661	1880.0	27.12	20.94			24.61	18.43		
			810	1909.8	26.65	20.47			24.03	17.85		
		3	512	1850.2	26.60	22.18	27.5	23.1	22.66	18.24	23.7	19.3
			661	1880.0	26.42	22.00			22.89	18.47		
			810	1909.8	26.00	21.58			22.16	17.74		
		4	512	1850.2	23.94	20.77	25.5	22.3	21.40	18.23	22.5	19.3
			661	1880.0	24.12	20.95			21.15	17.98		
			810	1909.8	23.58	20.41			21.49	18.32		
EGPRS (8PSK)	MCS5	1	512	1850.2	24.78	15.59	27.0	17.8	25.42	16.23	27.0	17.8
			661	1880.0	25.23	16.04			26.80	17.61		
			810	1909.8	24.65	15.46			26.68	17.49		
		2	512	1850.2	23.17	16.99	25.0	18.8	23.86	17.68	25.0	18.8
			661	1880.0	23.05	16.87			24.15	17.97		
			810	1909.8	22.67	16.49			23.44	17.26		
		3	512	1850.2	21.20	16.78	23.0	18.6	21.71	17.29	23.0	18.6
			661	1880.0	20.99	16.57			22.05	17.63		
			810	1909.8	20.51	16.09			21.32	16.90		
		4	512	1850.2	20.96	17.79	22.0	18.8	20.59	17.42	22.0	18.8
			661	1880.0	20.85	17.68			21.46	18.29		
			810	1909.8	20.49	17.32			21.44	18.27		

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 $\leq 1/4$ dB higher than GMSK GPRS or the adjusted SAR of the highest reported SAR of GMSK GPRS is ≤ 1.2 W/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
	β_c/β_d	8/15

HSDPA Setup Procedures used to establish the test signals

The following 4 Sub-tests were completed according to Release 5 procedures in 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			
	β_c	2/15	11/15	15/15	15/15
	β_d	15/15	15/15	8/15	4/15
	Bd (SF)	64			
	β_c/β_d	2/15	11/15	15/8	15/4
	β_{hs}	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			
	$A_{hs}=\beta_{hs}/\beta_c$	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
	β_c	11/15	6/15	15/15	2/15	15/15
	β_d	15/15	15/15	9/15	15/15	0
	β_{ec}	209/225	12/15	30/15	2/15	5/15
	β_c/β_d	11/15	6/15	15/9	2/15	-
	β_{hs}	22/15	12/15	30/15	4/15	5/15
	β_{ed}	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				
	A _{hs} = β_{hs}/β_c	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	Proces ses	6
Information Bit Payload (N_{INF})	Bits	120
Number Code Blocks	Blocks	1
Binary Channel Bits Per TTI	Bits	960
Total Available SML's in UE	SML's	19200
Number of SML's per HARQ Proc.	SML's	3200
Coding Rate		0.15
Number of Physical Channel Codes	Codes	1
Modulation		QPSK
Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table.		
Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used.		

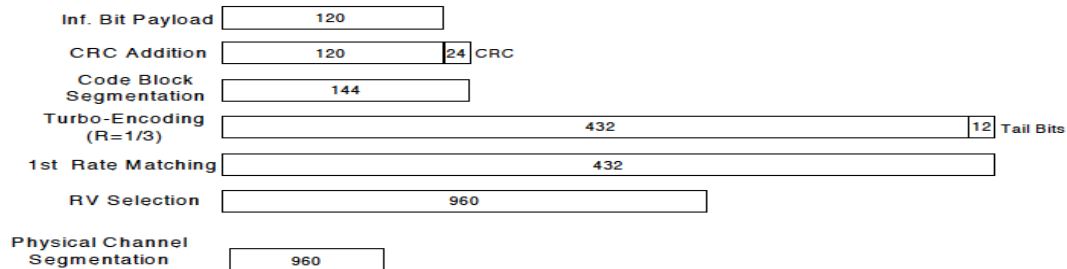


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

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			
	β_c	2/15	11/15	15/15	15/15
	β_d	15/15	15/15	8/15	4/15
	β_d (SF)	64			
	β_c/β_d	2/15	11/15	15/8	15/4
HSDPA Specific Settings	β_{hs}	4/15	24/15	30/15	30/15
	MPR (dB)	0	0	0.5	0.5
	DACK	8			
	DNAK	8			
	DCQI	8			
	Ack-Nack Repetition factor	3			
	CQI Feedback	4ms			
CQI Repetition Factor	2				
$A_{hs} = \beta_{hs}/\beta_c$	30/15				

HSPA+

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

W-CDMA Band II(Ant.B) Measured Results

Mode		UL Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)			Maximum Allowed Average Power (dBm)		
				Pmax / 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	23.87	N/A	24.8	19.50	N/A	20.0
		9400	1880.0	23.65			19.38		
		9538	1907.6	23.71			19.51		
HSDPA	Subtest 1	9262	1852.4	22.89	0	23.8	18.54	0	19.0
		9400	1880.0	22.66			18.38		
		9538	1907.6	22.72			18.26		
	Subtest 2	9262	1852.4	22.92	0	23.8	18.50	0	19.0
		9400	1880.0	22.65			18.34		
		9538	1907.6	22.70			18.23		
	Subtest 3	9262	1852.4	22.42	0.5	23.3	17.92	0.5	18.5
		9400	1880.0	22.13			17.85		
		9538	1907.6	22.19			17.76		
	Subtest 4	9262	1852.4	22.36	0.5	23.3	17.97	0.5	18.5
		9400	1880.0	22.10			17.86		
		9538	1907.6	22.21			17.76		
HSUPA	Subtest 1	9262	1852.4	22.94	0	23.8	18.36	0	19.0
		9400	1880.0	22.74			18.29		
		9538	1907.6	22.79			18.25		
	Subtest 2	9262	1852.4	20.88	2	21.8	16.40	2	17.0
		9400	1880.0	20.63			16.32		
		9538	1907.6	20.72			16.26		
	Subtest 3	9262	1852.4	21.90	1	22.8	17.36	1	18.0
		9400	1880.0	21.63			17.28		
		9538	1907.6	21.71			17.23		
	Subtest 4	9262	1852.4	20.94	2	21.8	16.39	2	17.0
		9400	1880.0	20.68			16.26		
		9538	1907.6	20.80			16.22		
	Subtest 5	9262	1852.4	22.47	0	23.8	17.95	0	19.0
		9400	1880.0	22.26			17.90		
		9538	1907.6	22.34			17.84		
DC-HSDPA	Subtest 1	9262	1852.4	22.97	0	23.8	18.41	0	19.0
		9400	1880.0	22.68			18.34		
		9538	1907.6	22.72			18.28		
	Subtest 2	9262	1852.4	22.96	0	23.8	18.38	0	19.0
		9400	1880.0	22.67			18.33		
		9538	1907.6	22.72			18.28		
	Subtest 3	9262	1852.4	22.44	0.5	23.3	17.83	0.5	18.5
		9400	1880.0	22.16			17.77		
		9538	1907.6	22.21			17.78		
	Subtest 4	9262	1852.4	22.36	0.5	23.3	17.93	0.5	18.5
		9400	1880.0	22.15			17.79		
		9538	1907.6	22.19			17.75		

W-CDMA Band IV(Ant.B) Measured Results

Mode		UL Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)			Maximum Allowed Average Power (dBm)		
				DSI = 2, 3			DSI = 0, 1		
				Measured Pw r	MPR	Tune-up Limit	Measured Pw r	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	23.63	N/A	24.5	19.18	N/A	20.0
		1413	1732.6	23.41			19.07		
		1513	1752.6	23.43			19.10		
HSDPA	Subtest 1	1312	1712.4	22.67	0	23.5	18.29	0	19.0
		1413	1732.6	22.39			18.07		
		1513	1752.6	22.39			18.09		
	Subtest 2	1312	1712.4	22.66	0	23.5	18.20	0	19.0
		1413	1732.6	22.40			18.06		
		1513	1752.6	22.42			18.08		
	Subtest 3	1312	1712.4	22.10	0.5	23.0	17.65	0.5	18.5
		1413	1732.6	21.87			17.53		
		1513	1752.6	21.86			17.54		
	Subtest 4	1312	1712.4	22.15	0.5	23.0	17.74	0.5	18.5
		1413	1732.6	21.85			17.52		
		1513	1752.6	21.87			17.55		
HSUPA	Subtest 1	1312	1712.4	22.65	0	23.5	18.19	0	19.0
		1413	1732.6	22.44			18.10		
		1513	1752.6	22.43			18.10		
	Subtest 2	1312	1712.4	20.66	2	21.5	16.15	2	17.0
		1413	1732.6	20.43			16.09		
		1513	1752.6	20.45			16.13		
	Subtest 3	1312	1712.4	21.63	1	22.5	17.04	1	18.0
		1413	1732.6	21.41			16.96		
		1513	1752.6	21.43			17.02		
	Subtest 4	1312	1712.4	20.61	2	21.5	16.03	2	17.0
		1413	1732.6	20.45			15.92		
		1513	1752.6	20.46			16.02		
	Subtest 5	1312	1712.4	22.20	0	23.5	18.03	0	19.0
		1413	1732.6	22.02			17.97		
		1513	1752.6	22.00			18.10		
DC-HSDPA	Subtest 1	1312	1712.4	22.73	0	23.5	18.25	0	19.0
		1413	1732.6	22.46			18.12		
		1513	1752.6	22.47			18.13		
	Subtest 2	1312	1712.4	22.75	0	23.5	18.34	0	19.0
		1413	1732.6	22.46			18.18		
		1513	1752.6	22.45			18.21		
	Subtest 3	1312	1712.4	22.15	0.5	23.0	17.81	0.5	18.5
		1413	1732.6	21.90			17.59		
		1513	1752.6	21.93			17.59		
	Subtest 4	1312	1712.4	22.22	0.5	23.0	17.56	0.5	18.5
		1413	1732.6	21.93			17.38		
		1513	1752.6	21.92			17.57		

W-CDMA Band V(Ant.A & Ant.A+B) Measured Results

Mode		UL Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)		
				DSI = 0, 1, 2, 3		
				Measured Pwr	MFR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	4132	826.4	24.48	N/A	25.3
		4183	836.6	24.49		
		4233	846.6	24.51		
HSDPA	Subtest 1	4132	826.4	23.47	0	24.3
		4183	836.6	23.48		
		4233	846.6	23.47		
	Subtest 2	4132	826.4	23.50	0	24.3
		4183	836.6	23.50		
		4233	846.6	23.48		
	Subtest 3	4132	826.4	22.98	0.5	23.8
		4183	836.6	23.02		
		4233	846.6	22.97		
	Subtest 4	4132	826.4	22.99	0.5	23.8
		4183	836.6	22.98		
		4233	846.6	22.99		
HSUPA	Subtest 1	4132	826.4	23.47	0	24.3
		4183	836.6	23.53		
		4233	846.6	23.48		
	Subtest 2	4132	826.4	21.48	2	22.3
		4183	836.6	21.48		
		4233	846.6	21.48		
	Subtest 3	4132	826.4	22.45	1	23.3
		4183	836.6	22.49		
		4233	846.6	22.52		
	Subtest 4	4132	826.4	21.48	2	22.3
		4183	836.6	21.51		
		4233	846.6	21.48		
	Subtest 5	4132	826.4	23.04	0	24.3
		4183	836.6	23.07		
		4233	846.6	23.11		
DC-HSDPA	Subtest 1	4132	826.4	23.48	0	24.3
		4183	836.6	23.53		
		4233	846.6	23.47		
	Subtest 2	4132	826.4	23.52	0	24.3
		4183	836.6	23.53		
		4233	846.6	23.41		
	Subtest 3	4132	826.4	22.97	0.5	23.8
		4183	836.6	23.05		
		4233	846.6	22.99		
	Subtest 4	4132	826.4	22.94	0.5	23.8
		4183	836.6	23.03		
		4233	846.6	22.99		

W-CDMA Band V(Ant.D) 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	24.42	N/A	25.3
		4183	836.6	24.46		
		4233	846.6	24.43		
HSDPA	Subtest 1	4132	826.4	23.46	0	24.3
		4183	836.6	23.45		
		4233	846.6	23.42		
	Subtest 2	4132	826.4	23.47	0	24.3
		4183	836.6	23.48		
		4233	846.6	23.43		
	Subtest 3	4132	826.4	22.94	0.5	23.8
		4183	836.6	22.96		
		4233	846.6	22.91		
	Subtest 4	4132	826.4	22.97	0.5	23.8
		4183	836.6	22.95		
		4233	846.6	22.91		
HSUPA	Subtest 1	4132	826.4	23.44	0	24.3
		4183	836.6	23.46		
		4233	846.6	23.43		
	Subtest 2	4132	826.4	21.44	2	22.3
		4183	836.6	21.48		
		4233	846.6	21.43		
	Subtest 3	4132	826.4	22.44	1	23.3
		4183	836.6	22.46		
		4233	846.6	22.43		
	Subtest 4	4132	826.4	21.44	2	22.3
		4183	836.6	21.46		
		4233	846.6	21.43		
	Subtest 5	4132	826.4	23.00	0	24.3
		4183	836.6	23.02		
		4233	846.6	22.98		
DC-HSDPA	Subtest 1	4132	826.4	23.45	0	24.3
		4183	836.6	23.48		
		4233	846.6	23.43		
	Subtest 2	4132	826.4	23.45	0	24.3
		4183	836.6	23.46		
		4233	846.6	23.44		
	Subtest 3	4132	826.4	22.95	0.5	23.8
		4183	836.6	22.93		
		4233	846.6	22.93		
	Subtest 4	4132	826.4	22.93	0.5	23.8
		4183	836.6	22.93		
		4233	846.6	22.90		

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 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 5 (Ant A&AntA+B) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				
				DSI = 0, 1, 2, 3			MPR	Tune-up Limit
				Measured Pwr (dBm)				
			20525	836.5 MHz				
10 MHz	QPSK	1	0	24.44			0.0	25.5
		1	25	24.56			0.0	25.5
		1	49	24.47			0.0	25.5
		25	0	23.50			1.0	24.5
		25	12	23.61			1.0	24.5
		25	25	23.55			1.0	24.5
	16QAM	1	0	23.78			1.0	24.5
		1	25	23.85			1.0	24.5
		1	49	23.79			1.0	24.5
		25	0	22.53			2.0	23.5
		25	12	22.60			2.0	23.5
		25	25	22.55			2.0	23.5
	64QAM	50	0	22.57			2.0	23.5
		1	0	22.59			2.0	23.5
		1	25	22.76			2.0	23.5
		1	49	22.64			2.0	23.5
		25	0	21.50			3.0	22.5
		25	12	21.59			3.0	22.5
	256QAM	25	25	21.55			3.0	22.5
		50	0	21.57			3.0	22.5
		1	0	19.57			5.0	20.5
		1	25	19.70			5.0	20.5
		1	49	19.56			5.0	20.5
		25	0	19.46			5.0	20.5
5 MHz	QPSK	25	12	19.54			5.0	20.5
		25	25	19.53			5.0	20.5
		50	0	19.54			5.0	20.5
		1	0	24.60	24.63	24.55	0.0	25.5
		1	12	24.62	24.59	24.55	0.0	25.5
		1	24	24.59	24.57	24.53	0.0	25.5
	16QAM	12	0	23.55	23.55	23.54	1.0	24.5
		12	7	23.62	23.55	23.66	1.0	24.5
		12	13	23.57	23.56	23.61	1.0	24.5
		25	0	23.59	23.58	23.61	1.0	24.5
		1	0	23.82	23.79	23.82	1.0	24.5
		1	12	23.86	23.82	23.77	1.0	24.5
	64QAM	1	24	23.85	23.67	23.83	1.0	24.5
		12	0	22.62	22.54	22.61	2.0	23.5
		12	7	22.67	22.54	22.64	2.0	23.5
		12	13	22.66	22.58	22.60	2.0	23.5
		25	0	22.63	22.60	22.66	2.0	23.5
		1	0	22.73	22.84	22.81	2.0	23.5
	256QAM	1	12	22.78	22.69	22.74	2.0	23.5
		1	24	22.67	22.80	22.69	2.0	23.5
		12	0	21.55	21.54	21.58	3.0	22.5
		12	7	21.63	21.60	21.64	3.0	22.5
		12	13	21.58	21.62	21.59	3.0	22.5
		25	0	21.61	21.61	21.64	3.0	22.5
5 MHz	QPSK	1	0	19.68	19.58	19.60	5.0	20.5
		1	12	19.75	19.56	19.62	5.0	20.5
		1	24	19.55	19.63	19.58	5.0	20.5
		12	0	19.57	19.54	19.53	5.0	20.5
	16QAM	12	7	19.63	19.53	19.59	5.0	20.5
		12	13	19.60	19.56	19.56	5.0	20.5
		25	0	19.59	19.58	19.59	5.0	20.5
		1	0	19.59	19.58	19.59	5.0	20.5

LTE Band 5 (Ant A&AntA+B) Measured Results (Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20415	20525	20635		
				825.5 MHz	836.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	24.57	24.50	24.50	0.0	25.5
		1	8	24.58	24.62	24.55	0.0	25.5
		1	14	24.50	24.48	24.48	0.0	25.5
		8	0	23.60	23.50	23.48	1.0	24.5
		8	4	23.59	23.48	23.59	1.0	24.5
		8	7	23.60	23.56	23.56	1.0	24.5
	16QAM	15	0	23.59	23.58	23.48	1.0	24.5
		1	0	23.68	23.75	23.80	1.0	24.5
		1	8	23.74	23.77	23.79	1.0	24.5
		1	14	23.69	23.68	23.74	1.0	24.5
		8	0	22.65	22.56	22.59	2.0	23.5
		8	4	22.65	22.56	22.64	2.0	23.5
	64QAM	8	7	22.65	22.62	22.66	2.0	23.5
		15	0	22.63	22.62	22.53	2.0	23.5
		1	0	22.81	22.66	22.70	2.0	23.5
		1	8	22.86	22.72	22.83	2.0	23.5
		1	14	22.78	22.65	22.72	2.0	23.5
		8	0	21.66	21.54	21.52	3.0	22.5
	256QAM	8	4	21.66	21.53	21.61	3.0	22.5
		8	7	21.66	21.58	21.59	3.0	22.5
		15	0	21.61	21.59	21.55	3.0	22.5
1		0	19.61	19.50	19.57	5.0	20.5	
1		8	19.73	19.75	19.75	5.0	20.5	
1		14	19.65	19.58	19.56	5.0	20.5	
1.4 MHz	QPSK	8	0	19.61	19.55	19.50	5.0	20.5
		8	4	19.63	19.55	19.60	5.0	20.5
		8	7	19.61	19.60	19.60	5.0	20.5
		15	0	19.58	19.59	19.46	5.0	20.5
		1	0	24.48	24.47	24.53	0.0	25.5
		1	3	24.48	24.53	24.53	0.0	25.5
	16QAM	1	5	24.50	24.54	24.54	0.0	25.5
		3	0	24.48	24.49	24.46	0.0	25.5
		3	1	24.44	24.51	24.47	0.0	25.5
		3	3	24.51	24.49	24.46	0.0	25.5
		6	0	23.49	23.52	23.51	1.0	24.5
		1	0	23.60	23.66	23.67	1.0	24.5
	64QAM	1	3	23.62	23.65	23.66	1.0	24.5
		1	5	23.60	23.69	23.67	1.0	24.5
		3	0	23.52	23.51	23.58	1.0	24.5
		3	1	23.55	23.56	23.58	1.0	24.5
		3	3	23.53	23.55	23.61	1.0	24.5
		6	0	22.48	22.54	22.53	2.0	23.5
	256QAM	1	0	22.79	22.62	22.73	2.0	23.5
		1	3	22.79	22.70	22.69	2.0	23.5
		1	5	22.77	22.65	22.71	2.0	23.5
3		0	22.63	22.67	22.56	2.0	23.5	
3		1	22.61	22.63	22.56	2.0	23.5	
3		3	22.60	22.64	22.57	2.0	23.5	
16QAM	6	0	21.56	21.62	21.50	3.0	22.5	
	1	0	19.67	19.59	19.65	5.0	20.5	
	1	3	19.68	19.65	19.68	5.0	20.5	
	1	5	19.65	19.70	19.61	5.0	20.5	
	3	0	19.55	19.43	19.56	5.0	20.5	
	3	1	19.54	19.57	19.63	5.0	20.5	
64QAM	3	3	19.54	19.57	19.57	5.0	20.5	
	6	0	19.57	19.42	19.62	5.0	20.5	

LTE Band 5 (Ant D) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				
				DSI = 0, 1, 2, 3			MPR	Tune-up Limit
				Measured Pwr (dBm)				
			20525	836.5 MHz				
10 MHz	QPSK	1	0	24.57	0.0	25.5		
		1	25	24.61	0.0	25.5		
		1	49	24.59	0.0	25.5		
		25	0	23.58	1.0	24.5		
		25	12	23.64	1.0	24.5		
		25	25	23.65	1.0	24.5		
	16QAM	1	0	23.91	1.0	24.5		
		1	25	23.89	1.0	24.5		
		1	49	23.83	1.0	24.5		
		25	0	22.65	2.0	23.5		
		25	12	22.73	2.0	23.5		
		25	25	22.66	2.0	23.5		
	64QAM	50	0	22.69	2.0	23.5		
		1	0	22.80	2.0	23.5		
		1	25	22.84	2.0	23.5		
		1	49	22.78	2.0	23.5		
		25	0	21.59	3.0	22.5		
		25	12	21.70	3.0	22.5		
	256QAM	25	25	21.64	3.0	22.5		
		50	0	21.68	3.0	22.5		
		1	0	19.69	5.0	20.5		
		1	25	19.87	5.0	20.5		
		1	49	19.69	5.0	20.5		
		25	0	19.57	5.0	20.5		
5 MHz	QPSK	25	12	19.66	5.0	20.5		
		25	25	19.63	5.0	20.5		
		50	0	19.64	5.0	20.5		
		1	0	24.57	24.56	24.53	0.0	25.5
		1	12	24.66	24.51	24.57	0.0	25.5
		1	24	24.58	24.53	24.53	0.0	25.5
	16QAM	12	0	23.52	23.55	23.55	1.0	24.5
		12	7	23.61	23.52	23.63	1.0	24.5
		12	13	23.58	23.55	23.60	1.0	24.5
		25	0	23.56	23.58	23.60	1.0	24.5
		1	0	23.87	23.78	23.73	1.0	24.5
		1	12	23.83	23.72	23.90	1.0	24.5
	64QAM	1	24	23.88	23.77	23.81	1.0	24.5
		12	0	22.53	22.46	22.49	2.0	23.5
		12	7	22.64	22.46	22.58	2.0	23.5
		12	13	22.62	22.51	22.55	2.0	23.5
		25	0	22.63	22.60	22.70	2.0	23.5
		1	0	22.84	22.78	22.77	2.0	23.5
	256QAM	1	12	22.98	22.69	22.74	2.0	23.5
		1	24	22.79	22.65	22.87	2.0	23.5
		12	0	21.59	21.54	21.58	3.0	22.5
		12	7	21.65	21.54	21.67	3.0	22.5
		12	13	21.61	21.62	21.65	3.0	22.5
		25	0	21.62	21.58	21.63	3.0	22.5
256QAM	1	0	19.76	19.69	19.72	5.0	20.5	
	1	12	19.82	19.77	19.80	5.0	20.5	
	1	24	19.76	19.70	19.69	5.0	20.5	
	12	0	19.56	19.52	19.53	5.0	20.5	
	12	7	19.62	19.49	19.63	5.0	20.5	
	12	13	19.58	19.53	19.60	5.0	20.5	
25	0	19.58	19.59	19.60	5.0	20.5		

LTE Band 5 (Ant D) Measured Results (Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20415	20525	20635		
				825.5 MHz	836.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	24.48	24.53	24.54	0.0	25.5
		1	8	24.54	24.55	24.57	0.0	25.5
		1	14	24.47	24.52	24.56	0.0	25.5
		8	0	23.59	23.48	23.50	1.0	24.5
		8	4	23.59	23.47	23.60	1.0	24.5
		8	7	23.55	23.57	23.55	1.0	24.5
	16QAM	15	0	23.58	23.55	23.53	1.0	24.5
		1	0	23.79	23.81	24.00	1.0	24.5
		1	8	23.69	23.69	23.86	1.0	24.5
		1	14	23.79	23.72	23.75	1.0	24.5
		8	0	22.65	22.57	22.58	2.0	23.5
		8	4	22.61	22.55	22.61	2.0	23.5
	64QAM	8	7	22.68	22.63	22.64	2.0	23.5
		15	0	22.65	22.60	22.57	2.0	23.5
		1	0	22.85	22.68	22.69	2.0	23.5
		1	8	22.83	22.72	22.71	2.0	23.5
		1	14	22.82	22.74	22.66	2.0	23.5
		8	0	21.63	21.52	21.52	3.0	22.5
	256QAM	8	4	21.65	21.49	21.64	3.0	22.5
		8	7	21.65	21.55	21.66	3.0	22.5
		15	0	21.59	21.58	21.54	3.0	22.5
1		0	19.60	19.59	19.71	5.0	20.5	
1		8	19.74	19.66	19.77	5.0	20.5	
1		14	19.64	19.62	19.68	5.0	20.5	
1.4 MHz	QPSK	8	0	19.65	19.57	19.54	5.0	20.5
		8	4	19.62	19.53	19.59	5.0	20.5
		8	7	19.60	19.62	19.63	5.0	20.5
		15	0	19.59	19.56	19.51	5.0	20.5
		1	0	24.53	24.50	24.56	0.0	25.5
		1	3	24.51	24.53	24.60	0.0	25.5
	16QAM	1	5	24.55	24.48	24.56	0.0	25.5
		3	0	24.46	24.41	24.48	0.0	25.5
		3	1	24.45	24.43	24.49	0.0	25.5
		3	3	24.46	24.44	24.51	0.0	25.5
		6	0	23.55	23.49	23.57	1.0	24.5
		1	0	23.68	23.58	23.67	1.0	24.5
	64QAM	1	3	23.71	23.65	23.69	1.0	24.5
		1	5	23.61	23.62	23.68	1.0	24.5
		3	0	23.57	23.57	23.58	1.0	24.5
		3	1	23.56	23.51	23.55	1.0	24.5
		3	3	23.55	23.55	23.60	1.0	24.5
		6	0	22.52	22.64	22.54	2.0	23.5
	256QAM	1	0	22.67	22.66	22.76	2.0	23.5
		1	3	22.67	22.65	22.82	2.0	23.5
		1	5	22.64	22.60	22.81	2.0	23.5
3		0	22.53	22.59	22.54	2.0	23.5	
3		1	22.57	22.57	22.55	2.0	23.5	
3		3	22.57	22.57	22.56	2.0	23.5	
QPSK	6	0	21.58	21.57	21.57	3.0	22.5	
	1	0	19.64	19.66	19.63	5.0	20.5	
	1	3	19.62	19.66	19.69	5.0	20.5	
	1	5	19.62	19.70	19.62	5.0	20.5	
	3	0	19.60	19.45	19.58	5.0	20.5	
	3	1	19.60	19.57	19.53	5.0	20.5	
16QAM	3	3	19.62	19.56	19.56	5.0	20.5	
	6	0	19.59	19.55	19.61	5.0	20.5	

LTE Band 7 (Ant B) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)					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	2510 MHz	2535 MHz	2560 MHz	2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	24.39	24.45	24.19	0.0	25.0	18.11	18.20	18.03	0.0	19.0
		1	49	24.40	24.37	24.14	0.0	25.0	18.11	18.11	18.05	0.0	19.0
		1	99	24.42	24.35	24.04	0.0	25.0	18.12	18.09	17.99	0.0	19.0
		50	0	23.40	23.49	23.23	1.0	24.0	18.15	18.25	18.05	0.0	19.0
		50	24	23.48	23.46	23.21	1.0	24.0	18.24	18.19	18.02	0.0	19.0
		50	50	23.47	23.42	23.08	1.0	24.0	18.23	18.18	18.04	0.0	19.0
	100	0	23.47	23.43	23.18	1.0	24.0	18.25	18.16	18.00	0.0	19.0	
	16QAM	1	0	23.88	23.87	23.42	1.0	24.0	18.45	18.49	18.36	0.0	19.0
		1	49	23.86	23.82	23.34	1.0	24.0	18.45	18.53	18.44	0.0	19.0
		1	99	23.85	23.81	23.26	1.0	24.0	18.48	18.52	18.34	0.0	19.0
		50	0	22.41	22.48	22.26	2.0	23.0	18.21	18.15	18.09	0.0	19.0
		50	24	22.50	22.48	22.26	2.0	23.0	18.26	18.23	18.03	0.0	19.0
		50	50	22.48	22.45	22.11	2.0	23.0	18.26	18.23	18.08	0.0	19.0
	100	0	22.48	22.44	22.22	2.0	23.0	18.25	18.21	18.03	0.0	19.0	
	64QAM	1	0	22.79	22.66	22.40	2.0	23.0	18.33	18.34	18.25	0.0	19.0
		1	49	22.80	22.70	22.34	2.0	23.0	18.36	18.34	18.27	0.0	19.0
		1	99	22.79	22.65	22.22	2.0	23.0	18.33	18.25	18.28	0.0	19.0
		50	0	21.40	21.48	21.29	3.0	22.0	18.21	18.18	18.12	0.0	19.0
		50	24	21.48	21.50	21.26	3.0	22.0	18.28	18.23	18.08	0.0	19.0
		50	50	21.47	21.45	21.09	3.0	22.0	18.30	18.25	18.11	0.0	19.0
	100	0	21.47	21.48	21.24	3.0	22.0	18.27	18.21	18.07	0.0	19.0	
	256QAM	1	0	19.56	19.47	19.38	5.0	20.0	18.39	18.23	18.08	0.0	19.0
		1	49	19.59	19.55	19.31	5.0	20.0	18.47	18.36	18.15	0.0	19.0
		1	99	19.63	19.43	19.14	5.0	20.0	18.38	18.28	18.10	0.0	19.0
50		0	19.35	19.44	19.23	5.0	20.0	18.15	18.13	18.08	0.0	19.0	
50		24	19.45	19.45	19.22	5.0	20.0	18.27	18.23	18.07	0.0	19.0	
50		50	19.46	19.42	19.11	5.0	20.0	18.27	18.20	18.10	0.0	19.0	
100	0	19.44	19.41	19.21	5.0	20.0	18.25	18.21	18.04	0.0	19.0		
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					Measured Pwr (dBm)				
				20825			MPR	Tune-up Limit	20825			MPR	Tune-up Limit
				2507.5 MHz	2535 MHz	2562.5 MHz			2507.5 MHz	2535 MHz	2562.5 MHz		
				20825	21100	21375	20825	21100	21375				
15 MHz	QPSK	1	0	24.46	24.45	24.31	0.0	25.0	18.29	18.29	18.17	0.0	19.0
		1	37	24.44	23.46	24.28	0.0	25.0	18.34	18.38	18.08	0.0	19.0
		1	74	24.46	24.39	24.30	0.0	25.0	18.30	18.25	18.03	0.0	19.0
		36	0	23.41	23.52	23.30	1.0	24.0	18.31	18.33	18.17	0.0	19.0
		36	20	23.51	23.51	23.30	1.0	24.0	18.34	18.32	18.14	0.0	19.0
		36	39	23.48	23.50	23.18	1.0	24.0	18.35	18.30	18.10	0.0	19.0
	75	0	23.49	23.50	23.27	1.0	24.0	18.37	18.29	18.14	0.0	19.0	
	16QAM	1	0	23.56	23.70	23.48	1.0	24.0	18.62	18.58	18.43	0.0	19.0
		1	37	23.54	23.73	23.45	1.0	24.0	18.65	18.57	18.38	0.0	19.0
		1	74	23.64	23.56	23.26	1.0	24.0	18.67	18.58	18.39	0.0	19.0
		36	0	22.43	22.56	22.37	2.0	23.0	18.38	18.39	18.26	0.0	19.0
		36	20	22.53	22.56	22.33	2.0	23.0	18.44	18.40	18.21	0.0	19.0
		36	39	22.52	22.52	22.23	2.0	23.0	18.42	18.36	18.16	0.0	19.0
	75	0	22.50	22.55	22.33	2.0	23.0	18.42	18.33	18.21	0.0	19.0	
	64QAM	1	0	22.57	22.60	22.40	2.0	23.0	18.52	18.51	18.40	0.0	19.0
		1	37	22.66	22.68	22.35	2.0	23.0	18.56	18.50	18.36	0.0	19.0
		1	74	22.51	22.56	22.27	2.0	23.0	18.52	18.43	18.27	0.0	19.0
		36	0	21.37	21.49	21.24	3.0	22.0	18.42	18.40	18.26	0.0	19.0
		36	20	21.48	21.47	21.25	3.0	22.0	18.43	18.41	18.25	0.0	19.0
		36	39	21.46	21.46	21.10	3.0	22.0	18.42	18.37	18.18	0.0	19.0
	75	0	21.48	21.46	21.23	3.0	22.0	18.44	18.34	18.23	0.0	19.0	
	256QAM	1	0	19.45	19.61	19.30	5.0	20.0	18.42	18.45	18.40	0.0	19.0
		1	37	19.50	19.66	19.22	5.0	20.0	18.46	18.52	18.33	0.0	19.0
		1	74	19.60	19.53	19.09	5.0	20.0	18.43	18.41	18.21	0.0	19.0
36		0	19.40	19.46	19.25	5.0	20.0	18.37	18.35	18.23	0.0	19.0	
36		20	19.49	19.48	19.21	5.0	20.0	18.45	18.36	18.19	0.0	19.0	
36		39	19.50	19.48	19.14	5.0	20.0	18.44	18.36	18.21	0.0	19.0	
75	0	19.49	19.49	19.23	5.0	20.0	18.45	18.35	18.21	0.0	19.0		

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	21100	21400			20800	21100	21400		
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	24.16	24.47	24.31	0.0	25.0	18.35	18.42	18.18	0.0	19.0
		1	25	24.54	24.58	24.33	0.0	25.0	18.33	18.43	18.16	0.0	19.0
		1	49	24.49	24.49	24.22	0.0	25.0	18.30	18.35	18.04	0.0	19.0
		25	0	23.45	23.62	23.31	1.0	24.0	18.30	18.35	18.16	0.0	19.0
		25	12	23.57	23.57	23.36	1.0	24.0	18.40	18.37	18.19	0.0	19.0
		25	25	23.51	23.57	23.29	1.0	24.0	18.38	18.37	18.19	0.0	19.0
		50	0	23.54	23.56	23.31	1.0	24.0	18.38	18.34	18.19	0.0	19.0
	16QAM	1	0	23.62	23.74	23.38	1.0	24.0	18.74	18.66	18.48	0.0	19.0
		1	25	23.72	23.75	23.53	1.0	24.0	18.80	18.69	18.54	0.0	19.0
		1	49	23.71	23.63	23.39	1.0	24.0	18.66	18.53	18.42	0.0	19.0
		25	0	22.47	22.59	22.36	2.0	23.0	18.35	18.40	18.24	0.0	19.0
		25	12	22.55	22.58	22.39	2.0	23.0	18.44	18.41	18.24	0.0	19.0
		25	25	22.53	22.58	22.32	2.0	23.0	18.41	18.37	18.19	0.0	19.0
		50	0	22.54	22.55	22.33	2.0	23.0	18.42	18.34	18.20	0.0	19.0
	64QAM	1	0	22.65	22.71	22.42	2.0	23.0	18.55	18.54	18.43	0.0	19.0
		1	25	22.70	22.71	22.35	2.0	23.0	18.61	18.65	18.46	0.0	19.0
		1	49	22.66	22.64	22.34	2.0	23.0	18.51	18.51	18.39	0.0	19.0
		25	0	21.43	21.53	21.30	3.0	22.0	18.41	18.43	18.24	0.0	19.0
		25	12	21.52	21.55	21.28	3.0	22.0	18.49	18.40	18.26	0.0	19.0
		25	25	21.47	21.51	21.26	3.0	22.0	18.46	18.43	18.23	0.0	19.0
		50	0	21.46	21.52	21.26	3.0	22.0	18.45	18.35	18.24	0.0	19.0
	256QAM	1	0	19.52	19.69	19.33	5.0	20.0	18.43	18.56	18.36	0.0	19.0
		1	25	19.55	19.76	19.33	5.0	20.0	18.61	18.64	18.36	0.0	19.0
		1	49	19.45	19.57	19.18	5.0	20.0	18.49	18.45	18.19	0.0	19.0
		25	0	19.45	19.53	19.30	5.0	20.0	18.39	18.45	18.27	0.0	19.0
25		12	19.52	19.55	19.27	5.0	20.0	18.47	18.45	18.25	0.0	19.0	
25		25	19.46	19.48	19.21	5.0	20.0	18.42	18.40	18.19	0.0	19.0	
	50	0	19.47	19.51	19.22	5.0	20.0	18.42	18.42	18.21	0.0	19.0	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				20775	21100	21425			20775	21100	21425		
				2502.5 MHz	2535 MHz	2567.5 MHz			2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	24.52	24.69	24.33	0.0	25.0	18.34	18.35	18.13	0.0	19.0
		1	12	24.55	24.72	24.37	0.0	25.0	18.38	18.42	18.17	0.0	19.0
		1	24	24.53	24.70	24.31	0.0	25.0	18.33	18.38	18.13	0.0	19.0
		12	0	23.49	23.59	23.27	1.0	24.0	18.31	18.30	18.12	0.0	19.0
		12	7	23.55	23.66	23.32	1.0	24.0	18.35	18.43	18.20	0.0	19.0
		12	13	23.52	23.63	23.28	1.0	24.0	18.35	18.43	18.17	0.0	19.0
		25	0	23.52	23.57	23.29	1.0	24.0	18.38	18.32	18.18	0.0	19.0
	16QAM	1	0	23.72	23.90	23.50	1.0	24.0	18.67	18.77	18.49	0.0	19.0
		1	12	23.72	23.87	23.50	1.0	24.0	18.76	18.84	18.50	0.0	19.0
		1	24	23.79	23.91	23.48	1.0	24.0	18.66	18.83	18.46	0.0	19.0
		12	0	22.56	22.68	22.39	2.0	23.0	18.39	18.34	18.10	0.0	19.0
		12	7	22.62	22.76	22.45	2.0	23.0	18.49	18.49	18.17	0.0	19.0
		12	13	22.61	22.74	22.43	2.0	23.0	18.43	18.48	18.14	0.0	19.0
		25	0	22.52	22.60	22.27	2.0	23.0	18.42	18.35	18.19	0.0	19.0
	64QAM	1	0	22.62	22.72	22.41	2.0	23.0	18.45	18.61	18.26	0.0	19.0
		1	12	22.63	22.77	22.45	2.0	23.0	18.61	18.71	18.34	0.0	19.0
		1	24	22.64	22.74	22.38	2.0	23.0	18.59	18.69	18.28	0.0	19.0
		12	0	21.48	21.49	21.18	3.0	22.0	18.40	18.38	18.22	0.0	19.0
		12	7	21.52	21.57	21.26	3.0	22.0	18.47	18.51	18.30	0.0	19.0
		12	13	21.50	21.56	21.23	3.0	22.0	18.46	18.51	18.27	0.0	19.0
		25	0	21.46	21.51	21.21	3.0	22.0	18.43	18.39	18.22	0.0	19.0
	256QAM	1	0	19.49	19.57	19.25	5.0	20.0	18.38	18.53	18.32	0.0	19.0
		1	12	19.65	19.77	19.34	5.0	20.0	18.56	18.71	18.41	0.0	19.0
		1	24	19.55	19.63	19.16	5.0	20.0	18.41	18.59	18.33	0.0	19.0
		12	0	19.46	19.49	19.17	5.0	20.0	18.40	18.40	18.22	0.0	19.0
12		7	19.54	19.55	19.24	5.0	20.0	18.48	18.55	18.29	0.0	19.0	
12		13	19.48	19.51	19.21	5.0	20.0	18.45	18.52	18.27	0.0	19.0	
	25	0	19.48	19.49	19.20	5.0	20.0	18.43	18.42	18.24	0.0	19.0	

LTE Band 7 (Ant E) Measured Results

Table with columns for BW (MHz), Mode, RB Allocation, RB offset, and Maximum Allowed Average Power (dBm) for DSI = 3, DSI = 0, 1, and DSI = 2. Rows include QPSK, 16QAM, 64QAM, and 256QAM modulation schemes across various bandwidths (20 MHz and 15 MHz).

LTE Band 7 (Ant E) 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	21100	21400			20800	21100	21400			20800	21100	21400			
				2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz			2505 MHz	2535 MHz	2565 MHz			
10 MHz	QPSK	1	0	23.70	23.57	23.64	0.0	25.0	18.58	18.41	18.54	0.0	20.0	17.64	17.42	17.56	0.0	19.0	
		1	25	23.73	23.54	23.76	0.0	25.0	18.61	18.47	18.60	0.0	20.0	17.63	17.45	17.61	0.0	19.0	
		1	49	23.68	23.56	23.71	0.0	25.0	18.52	18.39	18.56	0.0	20.0	17.61	17.45	17.59	0.0	19.0	
		25	0	22.75	22.62	22.71	1.0	24.0	18.60	18.42	18.51	0.0	20.0	17.63	17.49	17.56	0.0	19.0	
		25	12	22.67	22.66	22.83	1.0	24.0	18.52	18.43	18.62	0.0	20.0	17.57	17.44	17.66	0.0	19.0	
		25	25	22.66	22.61	22.81	1.0	24.0	18.54	18.42	18.64	0.0	20.0	17.61	17.46	17.63	0.0	19.0	
			50	0	22.65	22.65	22.80	1.0	24.0	18.51	18.40	18.61	0.0	20.0	17.58	17.44	17.61	0.0	19.0
	16QAM	1	0	23.02	22.81	22.95	1.0	24.0	18.93	18.66	18.92	0.0	20.0	17.75	17.57	17.72	0.0	19.0	
		1	25	23.06	22.80	23.09	1.0	24.0	18.96	18.65	19.00	0.0	20.0	17.83	17.71	17.79	0.0	19.0	
		1	49	23.00	22.79	23.06	1.0	24.0	18.91	18.64	18.92	0.0	20.0	17.72	17.56	17.74	0.0	19.0	
		25	0	21.74	21.68	21.73	2.0	23.0	18.65	18.45	18.54	0.0	20.0	17.66	17.50	17.62	0.0	19.0	
		25	12	21.68	21.68	21.85	2.0	23.0	18.60	18.45	18.59	0.0	20.0	17.60	17.52	17.68	0.0	19.0	
		25	25	21.65	21.67	21.83	2.0	23.0	18.57	18.43	18.63	0.0	20.0	17.63	17.52	17.69	0.0	19.0	
	64QAM	50	0	21.67	21.64	21.82	2.0	23.0	18.56	18.42	18.62	0.0	20.0	17.57	17.51	17.64	0.0	19.0	
		1	0	21.93	21.82	21.83	2.0	23.0	18.79	18.78	18.70	0.0	20.0	17.76	17.60	17.83	0.0	19.0	
		1	25	21.90	21.86	21.90	2.0	23.0	18.85	18.74	18.85	0.0	20.0	17.99	17.65	17.86	0.0	19.0	
		1	49	21.91	21.81	21.82	2.0	23.0	18.85	18.72	18.75	0.0	20.0	17.92	17.68	17.90	0.0	19.0	
		25	0	20.74	20.56	20.66	3.0	22.0	18.60	18.45	18.50	0.0	20.0	17.70	17.54	17.60	0.0	19.0	
		25	12	20.68	20.60	20.77	3.0	22.0	18.55	18.49	18.63	0.0	20.0	17.68	17.56	17.69	0.0	19.0	
	256QAM	25	25	20.69	20.57	20.76	3.0	22.0	18.53	18.47	18.64	0.0	20.0	17.65	17.53	17.75	0.0	19.0	
		50	0	20.67	20.54	20.71	3.0	22.0	18.54	18.46	18.63	0.0	20.0	17.60	17.51	17.68	0.0	19.0	
		1	0	18.85	18.61	18.79	5.0	20.0	18.83	18.49	18.55	0.0	20.0	17.74	17.76	17.66	0.0	19.0	
		1	25	18.89	18.57	18.94	5.0	20.0	18.84	18.52	18.92	0.0	20.0	17.92	17.83	17.82	0.0	19.0	
		1	49	18.75	18.53	18.88	5.0	20.0	18.58	18.55	18.78	0.0	20.0	17.57	17.60	17.79	0.0	19.0	
		25	0	18.79	18.58	18.69	5.0	20.0	18.65	18.51	18.56	0.0	20.0	17.72	17.54	17.60	0.0	19.0	
5 MHz	QPSK	25	12	18.71	18.55	18.78	5.0	20.0	18.60	18.51	18.67	0.0	20.0	17.63	17.52	17.72	0.0	19.0	
		25	25	18.65	18.59	18.76	5.0	20.0	18.54	18.46	18.65	0.0	20.0	17.62	17.47	17.70	0.0	19.0	
		50	0	18.67	18.58	18.75	5.0	20.0	18.54	18.46	18.63	0.0	20.0	17.59	17.53	17.69	0.0	19.0	
		1	0	23.80	23.60	23.78	0.0	25.0	18.59	18.41	18.55	0.0	20.0	17.60	17.45	17.60	0.0	19.0	
		1	12	23.84	23.67	23.89	0.0	25.0	18.59	18.45	18.69	0.0	20.0	17.62	17.47	17.66	0.0	19.0	
		1	24	23.78	23.62	23.84	0.0	25.0	18.56	18.42	18.61	0.0	20.0	17.55	17.45	17.66	0.0	19.0	
	16QAM	12	0	22.70	22.61	22.72	1.0	24.0	18.55	18.39	18.51	0.0	20.0	17.60	17.46	17.52	0.0	19.0	
		12	7	22.70	22.66	22.77	1.0	24.0	18.51	18.43	18.61	0.0	20.0	17.58	17.48	17.63	0.0	19.0	
		12	13	22.66	22.64	22.81	1.0	24.0	18.48	18.40	18.67	0.0	20.0	17.54	17.47	17.70	0.0	19.0	
		25	0	22.64	22.60	22.74	1.0	24.0	18.49	18.39	18.52	0.0	20.0	17.49	17.46	17.57	0.0	19.0	
		1	0	23.15	23.18	23.19	1.0	24.0	18.85	18.80	18.96	0.0	20.0	17.77	17.56	17.83	0.0	19.0	
		1	12	23.25	23.17	23.23	1.0	24.0	18.92	18.85	19.05	0.0	20.0	17.82	17.69	17.89	0.0	19.0	
	64QAM	1	24	23.23	23.19	23.25	1.0	24.0	18.85	18.79	19.08	0.0	20.0	17.79	17.68	17.86	0.0	19.0	
		12	0	21.76	21.61	21.83	2.0	23.0	18.67	18.36	18.54	0.0	20.0	17.66	17.40	17.50	0.0	19.0	
		12	7	21.74	21.68	21.90	2.0	23.0	18.63	18.42	18.61	0.0	20.0	17.56	17.49	17.55	0.0	19.0	
		12	13	21.70	21.67	21.94	2.0	23.0	18.60	18.38	18.65	0.0	20.0	17.54	17.45	17.63	0.0	19.0	
		25	0	21.71	21.66	21.80	2.0	23.0	18.44	18.44	18.56	0.0	20.0	17.53	17.45	17.59	0.0	19.0	
		1	0	21.94	21.79	21.99	2.0	23.0	18.69	18.61	18.72	0.0	20.0	17.76	17.70	17.63	0.0	19.0	
	256QAM	1	12	21.94	21.82	21.94	2.0	23.0	18.82	18.64	18.90	0.0	20.0	17.86	17.70	17.81	0.0	19.0	
		1	24	21.86	21.72	22.00	2.0	23.0	18.73	18.59	18.87	0.0	20.0	17.80	17.66	17.65	0.0	19.0	
		12	0	20.70	20.60	20.69	3.0	22.0	18.59	18.41	18.50	0.0	20.0	17.69	17.52	17.62	0.0	19.0	
		12	7	20.71	20.68	20.80	3.0	22.0	18.56	18.47	18.64	0.0	20.0	17.67	17.61	17.65	0.0	19.0	
		12	13	20.68	20.61	20.84	3.0	22.0	18.54	18.46	18.66	0.0	20.0	17.65	17.50	17.72	0.0	19.0	
		25	0	20.67	20.59	20.73	3.0	22.0	18.53	18.45	18.56	0.0	20.0	17.64	17.51	17.63	0.0	19.0	
	QPSK	1	0	19.01	18.65	18.72	5.0	20.0	18.71	18.51	18.73	0.0	20.0	17.74	17.64	17.60	0.0	19.0	
1		12	18.97	18.73	18.87	5.0	20.0	18.75	18.78	18.87	0.0	20.0	17.86	17.67	17.81	0.0	19.0		
1		24	18.90	18.64	18.82	5.0	20.0	18.63	18.72	18.86	0.0	20.0	17.74	17.76	17.73	0.0	19.0		
12		0	18.71	18.55	18.68	5.0	20.0	18.58	18.46	18.61	0.0	20.0	17.67	17.49	17.63	0.0	19.0		
12		7	18.70	18.62	18.74	5.0	20.0	18.59	18.55	18.66	0.0	20.0	17.61	17.60	17.68	0.0	19.0		
12		13	18.72	18.57	18.85	5.0	20.0	18.59	18.47	18.68	0.0	20.0	17.61	17.59	17.75	0.0	19.0		
16QAM	25	0	18.65	18.49	18.75	5.0	20.0	18.50	18.43	18.62	0.0	20.0	17.60	17.55	17.63	0.0	19.0		

LTE Band 12 (Ant A&Ant.A+B) 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)					
10 MHz	QPSK	1	0	23095	707.5 MHz				
		1	25	24.20			0.0	25.2	
		1	49	24.19			0.0	25.2	
		25	0	24.14			1.0	24.2	
		25	12	23.24			1.0	24.2	
		25	25	23.23			1.0	24.2	
		50	0	23.21			1.0	24.2	
	16QAM	1	0	23.25			1.0	24.2	
		1	25	23.53			1.0	24.2	
		1	49	23.43			1.0	24.2	
		25	0	23.47			2.0	23.2	
		25	12	22.27			2.0	23.2	
		25	25	22.28			2.0	23.2	
		50	0	22.27			2.0	23.2	
	64QAM	1	0	22.26			2.0	23.2	
		1	25	22.47			2.0	23.2	
		1	49	22.31			2.0	23.2	
		25	0	22.37			3.0	22.2	
		25	12	21.24			3.0	22.2	
		25	25	21.24			3.0	22.2	
		50	0	21.21			3.0	22.2	
	256QAM	1	0	21.25			3.0	22.2	
		1	25	19.42			5.0	20.2	
		1	49	19.40			5.0	20.2	
		25	0	19.32			5.0	20.2	
		25	12	19.26			5.0	20.2	
		25	25	19.26			5.0	20.2	
		50	0	19.26			5.0	20.2	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	
				23035	23095	23155			
5 MHz	QPSK	1	0	701.5 MHz	707.5 MHz	713.5 MHz			
		1	12	24.41	24.29	24.23	0.0	25.2	
		1	24	24.44	24.24	24.28	0.0	25.2	
		12	0	24.22	24.12	24.24	1.0	24.2	
		12	7	23.40	23.24	23.19	1.0	24.2	
		12	13	23.41	23.27	23.31	1.0	24.2	
		25	0	23.27	23.23	23.22	1.0	24.2	
	16QAM	25	0	23.34	23.20	23.24	1.0	24.2	
		1	0	23.54	23.36	23.44	1.0	24.2	
		1	12	23.55	23.39	23.50	1.0	24.2	
		1	24	23.46	23.26	23.52	1.0	24.2	
		12	0	22.40	22.24	22.21	2.0	23.2	
		12	7	22.42	22.23	22.32	2.0	23.2	
		12	13	22.28	22.17	22.27	2.0	23.2	
	64QAM	25	0	22.28	22.22	22.25	2.0	23.2	
		1	0	22.40	22.29	22.31	2.0	23.2	
		1	12	22.46	22.28	22.33	2.0	23.2	
		1	24	22.29	22.13	22.21	2.0	23.2	
		12	0	21.33	21.12	21.07	3.0	22.2	
		12	7	21.35	21.18	21.13	3.0	22.2	
		12	13	21.20	21.12	21.16	3.0	22.2	
	256QAM	25	0	21.18	21.11	21.07	3.0	22.2	
		1	0	19.49	19.24	19.24	5.0	20.2	
		1	12	19.49	19.21	19.38	5.0	20.2	
		1	24	19.29	19.14	19.26	5.0	20.2	
		12	0	19.30	19.11	19.06	5.0	20.2	
		12	7	19.33	19.12	19.13	5.0	20.2	
		12	13	19.16	19.07	19.15	5.0	20.2	
25	0	19.17	19.08	19.05	5.0	20.2			

LTE Band 12 (Ant A&Ant.A+B) Measured Results (Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23025	23095	23165		
				700.5 MHz	707.5 MHz	714.5 MHz		
3 MHz	QPSK	1	0	24.32	24.15	24.16	0.0	25.2
		1	8	24.46	24.20	24.30	0.0	25.2
		1	14	24.21	24.06	24.13	0.0	25.2
		8	0	23.40	23.19	23.19	1.0	24.2
		8	4	23.42	23.19	23.18	1.0	24.2
		8	7	23.37	23.17	23.26	1.0	24.2
	16QAM	15	0	23.36	23.20	23.20	1.0	24.2
		1	0	23.52	23.33	23.29	1.0	24.2
		1	8	23.63	23.38	23.47	1.0	24.2
		1	14	23.44	23.22	23.35	1.0	24.2
		8	0	22.46	22.26	22.26	2.0	23.2
		8	4	22.48	22.27	22.28	2.0	23.2
	64QAM	8	7	22.46	22.28	22.34	2.0	23.2
		15	0	22.39	22.20	22.24	2.0	23.2
		1	0	22.43	22.31	22.22	2.0	23.2
		1	8	22.54	22.39	22.40	2.0	23.2
		1	14	22.31	22.19	22.20	2.0	23.2
		8	0	21.40	21.09	21.15	3.0	22.2
	256QAM	8	4	21.39	21.12	21.14	3.0	22.2
		8	7	21.31	21.11	21.22	3.0	22.2
		15	0	21.23	21.11	21.09	3.0	22.2
1		0	19.38	19.11	19.15	5.0	20.2	
1		8	19.52	19.26	19.36	5.0	20.2	
1		14	19.25	19.06	19.22	5.0	20.2	
1.4 MHz	QPSK	8	0	19.32	19.08	19.09	5.0	20.2
		8	4	19.37	19.10	19.12	5.0	20.2
		8	7	19.27	19.11	19.19	5.0	20.2
		15	0	19.23	19.07	19.08	5.0	20.2
		1	0	24.30	24.11	24.12	0.0	25.2
		1	3	24.33	24.12	24.16	0.0	25.2
	16QAM	1	5	24.31	24.09	24.12	0.0	25.2
		3	0	24.28	24.10	24.16	0.0	25.2
		3	1	24.28	24.12	24.15	0.0	25.2
		3	3	24.30	24.11	24.17	0.0	25.2
		6	0	23.35	23.10	23.19	1.0	24.2
		1	0	23.41	23.25	23.25	1.0	24.2
	64QAM	1	3	23.42	23.30	23.29	1.0	24.2
		1	5	23.38	23.22	23.23	1.0	24.2
		3	0	23.40	23.14	23.23	1.0	24.2
		3	1	23.37	23.12	23.26	1.0	24.2
		3	3	23.42	23.11	23.25	1.0	24.2
		6	0	22.39	22.16	22.16	2.0	23.2
	256QAM	1	0	22.33	22.18	22.34	2.0	23.2
		1	3	22.41	22.31	22.35	2.0	23.2
		1	5	22.31	22.18	22.28	2.0	23.2
3		0	22.31	22.06	22.20	2.0	23.2	
3		1	22.30	22.06	22.18	2.0	23.2	
3		3	22.28	22.05	22.19	2.0	23.2	
QPSK	6	0	21.25	21.06	21.15	3.0	22.2	
	1	0	19.30	19.13	19.19	5.0	20.2	
	1	3	19.35	19.20	19.27	5.0	20.2	
	1	5	19.29	19.15	19.15	5.0	20.2	
	3	0	19.25	19.09	19.13	5.0	20.2	
	3	1	19.24	19.07	19.15	5.0	20.2	
16QAM	3	3	19.25	19.05	19.16	5.0	20.2	
	6	0	19.13	19.02	19.07	5.0	20.2	

LTE Band 12 (Ant D) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)						
				DSI = 0, 1, 2, 3			MPR	Tune-up Limit		
				Measured Pwr (dBm)						
			23095	707.5 MHz						
10 MHz	QPSK	1	0	24.41	0.0	25.2				
		1	25	24.35	0.0	25.2				
		1	49	24.34	0.0	25.2				
		25	0	23.44	1.0	24.2				
		25	12	23.43	1.0	24.2				
		25	25	23.42	1.0	24.2				
	16QAM	50	0	23.43	1.0	24.2				
		1	0	23.69	1.0	24.2				
		1	25	23.62	1.0	24.2				
		1	49	23.65	1.0	24.2				
		25	0	22.46	2.0	23.2				
		25	12	22.43	2.0	23.2				
	64QAM	25	25	22.42	2.0	23.2				
		50	0	22.43	2.0	23.2				
		1	0	22.67	2.0	23.2				
		1	25	22.60	2.0	23.2				
		1	49	22.57	2.0	23.2				
		25	0	21.45	3.0	22.2				
	256QAM	25	12	21.42	3.0	22.2				
		25	25	21.41	3.0	22.2				
50		0	21.42	3.0	22.2					
1		0	19.65	5.0	20.2					
1		25	19.43	5.0	20.2					
1		49	19.43	5.0	20.2					
5 MHz	QPSK	25	0	19.48	5.0	20.2				
		25	12	19.46	5.0	20.2				
		25	25	19.43	5.0	20.2				
		50	0	19.45	5.0	20.2				
		BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
						23035	23095	23155		
				701.5 MHz	707.5 MHz	713.5 MHz				
	5 MHz	QPSK	1	0	24.61	24.48	24.42	0.0	25.2	
			1	12	24.62	24.44	24.44	0.0	25.2	
			1	24	24.51	24.33	24.39	0.0	25.2	
			12	0	23.58	23.42	23.39	1.0	24.2	
			12	7	23.60	23.44	23.48	1.0	24.2	
			12	13	23.43	23.40	23.43	1.0	24.2	
		16QAM	25	0	23.56	23.39	23.40	1.0	24.2	
			1	0	23.86	23.63	23.59	1.0	24.2	
			1	12	23.83	23.63	23.65	1.0	24.2	
			1	24	23.85	23.51	23.61	1.0	24.2	
			12	0	22.63	22.47	22.42	2.0	23.2	
			12	7	22.64	22.49	22.52	2.0	23.2	
		64QAM	12	13	22.50	22.41	22.44	2.0	23.2	
25			0	22.55	22.41	22.44	2.0	23.2		
1			0	22.78	22.54	22.71	2.0	23.2		
1			12	22.73	22.56	22.78	2.0	23.2		
1			24	22.58	22.51	22.65	2.0	23.2		
12			0	21.58	21.43	21.39	3.0	22.2		
256QAM		12	7	21.64	21.47	21.48	3.0	22.2		
		12	13	21.49	21.40	21.45	3.0	22.2		
	25	0	21.56	21.38	21.42	3.0	22.2			
	1	0	19.84	19.64	19.57	5.0	20.2			
	1	12	19.84	19.65	19.64	5.0	20.2			
	1	24	19.69	19.51	19.52	5.0	20.2			
	12	0	19.64	19.43	19.37	5.0	20.2			
	12	7	19.66	19.42	19.50	5.0	20.2			
12	13	19.49	19.42	19.44	5.0	20.2				
25	0	19.59	19.39	19.42	5.0	20.2				

LTE Band 12 (Ant D) Measured Results (Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23025	23095	23165		
				700.5 MHz	707.5 MHz	714.5 MHz		
3 MHz	QPSK	1	0	24.56	24.31	24.38	0.0	25.2
		1	8	24.60	24.47	24.50	0.0	25.2
		1	14	24.46	24.30	24.31	0.0	25.2
		8	0	23.58	23.40	23.33	1.0	24.2
		8	4	23.59	23.41	23.38	1.0	24.2
		8	7	23.57	23.42	23.40	1.0	24.2
		15	0	23.59	23.40	23.31	1.0	24.2
	16QAM	1	0	23.67	23.48	23.60	1.0	24.2
		1	8	23.78	23.75	23.62	1.0	24.2
		1	14	23.60	23.53	23.52	1.0	24.2
		8	0	22.64	22.43	22.37	2.0	23.2
		8	4	22.66	22.43	22.41	2.0	23.2
		8	7	22.64	22.40	22.48	2.0	23.2
		15	0	22.62	22.45	22.37	2.0	23.2
	64QAM	1	0	22.70	22.46	22.49	2.0	23.2
		1	8	22.89	22.71	22.66	2.0	23.2
		1	14	22.61	22.47	22.47	2.0	23.2
		8	0	21.60	21.45	21.40	3.0	22.2
		8	4	21.62	21.45	21.39	3.0	22.2
		8	7	21.63	21.45	21.46	3.0	22.2
		15	0	21.60	21.41	21.36	3.0	22.2
256QAM	1	0	19.67	19.44	19.49	5.0	20.2	
	1	8	19.78	19.61	19.65	5.0	20.2	
	1	14	19.48	19.44	19.51	5.0	20.2	
	8	0	19.61	19.43	19.40	5.0	20.2	
	8	4	19.64	19.46	19.44	5.0	20.2	
	8	7	19.63	19.43	19.45	5.0	20.2	
	15	0	19.59	19.41	19.35	5.0	20.2	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23017	23095	23173		
				699.7 MHz	707.5 MHz	715.3 MHz		
1.4 MHz	QPSK	1	0	24.50	24.27	24.32	0.0	25.2
		1	3	24.61	24.34	24.33	0.0	25.2
		1	5	24.50	24.32	24.36	0.0	25.2
		3	0	24.51	24.27	24.35	0.0	25.2
		3	1	24.53	24.30	24.37	0.0	25.2
		3	3	24.52	24.26	24.35	0.0	25.2
		6	0	23.55	23.30	23.37	1.0	24.2
	16QAM	1	0	23.67	23.40	23.46	1.0	24.2
		1	3	23.65	23.42	23.55	1.0	24.2
		1	5	23.59	23.38	23.40	1.0	24.2
		3	0	23.62	23.37	23.35	1.0	24.2
		3	1	23.65	23.36	23.36	1.0	24.2
		3	3	23.66	23.36	23.36	1.0	24.2
		6	0	22.53	22.30	22.36	2.0	23.2
	64QAM	1	0	22.66	22.52	22.61	2.0	23.2
		1	3	22.73	22.55	22.67	2.0	23.2
		1	5	22.62	22.46	22.57	2.0	23.2
		3	0	22.70	22.41	22.48	2.0	23.2
		3	1	22.70	22.45	22.47	2.0	23.2
		3	3	22.70	22.38	22.48	2.0	23.2
		6	0	21.52	21.32	21.30	3.0	22.2
	256QAM	1	0	19.73	19.36	19.45	5.0	20.2
		1	3	19.76	19.45	19.48	5.0	20.2
		1	5	19.66	19.37	19.44	5.0	20.2
3		0	19.58	19.33	19.41	5.0	20.2	
3		1	19.60	19.35	19.42	5.0	20.2	
3		3	19.62	19.35	19.39	5.0	20.2	
6		0	19.68	19.53	19.41	5.0	20.2	

LTE Band 13 (Ant A&Ant.A+B) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)		
				DSI = 0,1, 2, 3		
				Measured Pwr (dBm)		MPR
23230	782 MHz					
10 MHz	QPSK	1	0	24.78	0.0	25.5
		1	25	24.87	0.0	25.5
		1	49	24.78	0.0	25.5
		25	0	23.88	1.0	24.5
		25	12	23.93	1.0	24.5
		25	25	23.84	1.0	24.5
	16QAM	50	0	23.92	1.0	24.5
		1	0	24.02	1.0	24.5
		1	25	24.07	1.0	24.5
		1	49	24.04	1.0	24.5
		25	0	22.91	2.0	23.5
		25	12	22.95	2.0	23.5
	64QAM	25	25	22.89	2.0	23.5
		50	0	22.93	2.0	23.5
		1	0	23.04	2.0	23.5
		1	25	23.04	2.0	23.5
		1	49	22.92	2.0	23.5
		25	0	21.89	3.0	22.5
	256QAM	25	12	21.92	3.0	22.5
		25	25	21.86	3.0	22.5
		50	0	21.92	3.0	22.5
		1	0	19.98	5.0	20.5
		1	25	20.21	5.0	20.5
		1	49	19.95	5.0	20.5
5 MHz	QPSK	25	0	19.87	5.0	20.5
		25	12	19.89	5.0	20.5
		25	25	19.87	5.0	20.5
		50	0	19.95	5.0	20.5
		1	0	24.79	0.0	25.5
		1	12	24.91	0.0	25.5
	16QAM	1	24	24.85	0.0	25.5
		12	0	23.73	1.0	24.5
		12	7	23.76	1.0	24.5
		12	13	23.78	1.0	24.5
		25	0	23.71	1.0	24.5
		1	0	24.19	1.0	24.5
	64QAM	1	12	24.26	1.0	24.5
		1	24	24.33	1.0	24.5
		12	0	22.68	2.0	23.5
		12	7	22.73	2.0	23.5
		12	13	22.75	2.0	23.5
		25	0	22.77	2.0	23.5
	256QAM	1	0	22.90	2.0	23.5
		1	12	23.00	2.0	23.5
		1	24	22.96	2.0	23.5
		12	0	21.76	3.0	22.5
		12	7	21.81	3.0	22.5
		12	13	21.83	3.0	22.5
QPSK	25	0	21.76	3.0	22.5	
	1	0	19.88	5.0	20.5	
	1	12	20.08	5.0	20.5	
	1	24	19.93	5.0	20.5	
	12	0	19.75	5.0	20.5	
	12	7	19.81	5.0	20.5	
16QAM	12	13	19.84	5.0	20.5	
	25	0	19.75	5.0	20.5	

LTE Band 13 (Ant D) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)		
				DSI = 0, 1, 2, 3		
				Measured Pwr (dBm)		MPR
23230	782 MHz					
10 MHz	QPSK	1	0	24.57	0.0	25.5
		1	25	24.60	0.0	25.5
		1	49	24.58	0.0	25.5
		25	0	23.66	1.0	24.5
		25	12	23.62	1.0	24.5
		25	25	23.55	1.0	24.5
	16QAM	50	0	23.63	1.0	24.5
		1	0	23.82	1.0	24.5
		1	25	23.86	1.0	24.5
		1	49	23.66	1.0	24.5
		25	0	22.64	2.0	23.5
		25	12	22.64	2.0	23.5
	64QAM	25	25	22.56	2.0	23.5
		50	0	22.63	2.0	23.5
		1	0	22.82	2.0	23.5
		1	25	22.83	2.0	23.5
		1	49	22.74	2.0	23.5
		25	0	21.60	3.0	22.5
	256QAM	25	12	21.62	3.0	22.5
		25	25	21.56	3.0	22.5
		50	0	21.65	3.0	22.5
		1	0	19.72	5.0	20.5
		1	25	19.84	5.0	20.5
		1	49	19.64	5.0	20.5
5 MHz	QPSK	25	0	19.62	5.0	20.5
		25	12	19.65	5.0	20.5
		25	25	19.59	5.0	20.5
		50	0	19.66	5.0	20.5
		1	0	24.69	0.0	25.5
		1	12	24.77	0.0	25.5
	16QAM	1	24	24.74	0.0	25.5
		12	0	23.67	1.0	24.5
		12	7	23.69	1.0	24.5
		12	13	23.65	1.0	24.5
		25	0	23.59	1.0	24.5
		1	0	23.85	1.0	24.5
	64QAM	1	12	24.03	1.0	24.5
		1	24	23.89	1.0	24.5
		12	0	22.62	2.0	23.5
		12	7	22.67	2.0	23.5
		12	13	22.61	2.0	23.5
		25	0	22.65	2.0	23.5
	256QAM	1	0	22.84	2.0	23.5
		1	12	23.00	2.0	23.5
		1	24	22.76	2.0	23.5
		12	0	21.66	3.0	22.5
		12	7	21.70	3.0	22.5
		12	13	21.65	3.0	22.5
QPSK	25	0	21.63	3.0	22.5	
	1	0	19.80	5.0	20.5	
	1	12	19.96	5.0	20.5	
	1	24	19.71	5.0	20.5	
	12	0	19.65	5.0	20.5	
	12	7	19.65	5.0	20.5	
16QAM	12	13	19.59	5.0	20.5	
	25	0	19.62	5.0	20.5	

LTE Band 14 (Ant A&Ant.A+B) 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
23330	793 MHz						
10 MHz	QPSK	1	0	24.74	0.0	25.5	
		1	25	24.66	0.0	25.5	
		1	49	24.58	0.0	25.5	
		25	0	23.75	1.0	24.5	
		25	12	23.70	1.0	24.5	
		25	25	23.64	1.0	24.5	
		50	0	23.67	1.0	24.5	
	16QAM	1	0	24.00	1.0	24.5	
		1	25	23.90	1.0	24.5	
		1	49	23.80	1.0	24.5	
		25	0	22.75	2.0	23.5	
		25	12	22.72	2.0	23.5	
		25	25	22.69	2.0	23.5	
		50	0	22.62	2.0	23.5	
	64QAM	1	0	22.89	2.0	23.5	
		1	25	22.85	2.0	23.5	
		1	49	22.69	2.0	23.5	
		25	0	21.71	3.0	22.5	
		25	12	21.65	3.0	22.5	
		25	25	21.61	3.0	22.5	
		50	0	21.62	3.0	22.5	
256QAM	1	0	19.94	5.0	20.5		
	1	25	19.84	5.0	20.5		
	1	49	19.80	5.0	20.5		
	25	0	19.73	5.0	20.5		
	25	12	19.66	5.0	20.5		
	25	25	19.62	5.0	20.5		
	50	0	19.62	5.0	20.5		
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)		MPR	Tune-up Limit
				23330	793 MHz		
5 MHz	QPSK	1	0	24.82	0.0	25.5	
		1	12	24.87	0.0	25.5	
		1	24	24.84	0.0	25.5	
		12	0	23.80	1.0	24.5	
		12	7	23.86	1.0	24.5	
		12	13	23.86	1.0	24.5	
		25	0	23.80	1.0	24.5	
	16QAM	1	0	23.98	1.0	24.5	
		1	12	24.02	1.0	24.5	
		1	24	23.99	1.0	24.5	
		12	0	22.91	2.0	23.5	
		12	7	22.94	2.0	23.5	
		12	13	22.94	2.0	23.5	
		25	0	22.83	2.0	23.5	
	64QAM	1	0	22.92	2.0	23.5	
		1	12	22.98	2.0	23.5	
		1	24	22.94	2.0	23.5	
		12	0	21.83	3.0	22.5	
		12	7	21.83	3.0	22.5	
		12	13	21.85	3.0	22.5	
		25	0	21.88	3.0	22.5	
256QAM	1	0	19.94	5.0	20.5		
	1	12	20.08	5.0	20.5		
	1	24	19.92	5.0	20.5		
	12	0	19.76	5.0	20.5		
	12	7	19.82	5.0	20.5		
	12	13	19.83	5.0	20.5		
	25	0	19.80	5.0	20.5		

LTE Band 14 (Ant D) 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
23330	793 MHz						
10 MHz	QPSK	1	0	24.54	0.0	25.5	
		1	25	24.38	0.0	25.5	
		1	49	24.31	0.0	25.5	
		25	0	23.55	1.0	24.5	
		25	12	23.47	1.0	24.5	
		25	25	23.43	1.0	24.5	
		50	0	23.46	1.0	24.5	
	16QAM	1	0	23.69	1.0	24.5	
		1	25	23.63	1.0	24.5	
		1	49	23.46	1.0	24.5	
		25	0	22.57	2.0	23.5	
		25	12	22.52	2.0	23.5	
		25	25	22.46	2.0	23.5	
		50	0	22.49	2.0	23.5	
	64QAM	1	0	22.87	2.0	23.5	
		1	25	22.61	2.0	23.5	
		1	49	22.53	2.0	23.5	
		25	0	21.61	3.0	22.5	
		25	12	21.52	3.0	22.5	
		25	25	21.46	3.0	22.5	
		50	0	21.48	3.0	22.5	
	256QAM	1	0	19.70	5.0	20.5	
		1	25	19.64	5.0	20.5	
		1	49	19.33	5.0	20.5	
25		0	19.57	5.0	20.5		
25		12	19.51	5.0	20.5		
25		25	19.46	5.0	20.5		
50		0	19.47	5.0	20.5		
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)		MPR	Tune-up Limit
				23330	793 MHz		
5 MHz	QPSK	1	0	24.48	0.0	25.5	
		1	12	24.53	0.0	25.5	
		1	24	24.44	0.0	25.5	
		12	0	23.44	1.0	24.5	
		12	7	23.46	1.0	24.5	
		12	13	23.48	1.0	24.5	
		25	0	23.40	1.0	24.5	
	16QAM	1	0	23.70	1.0	24.5	
		1	12	23.80	1.0	24.5	
		1	24	23.73	1.0	24.5	
		12	0	22.54	2.0	23.5	
		12	7	22.56	2.0	23.5	
		12	13	22.60	2.0	23.5	
		25	0	22.44	2.0	23.5	
	64QAM	1	0	22.68	2.0	23.5	
		1	12	22.70	2.0	23.5	
		1	24	22.60	2.0	23.5	
		12	0	21.47	3.0	22.5	
		12	7	21.49	3.0	22.5	
		12	13	21.49	3.0	22.5	
		25	0	21.43	3.0	22.5	
	256QAM	1	0	19.51	5.0	20.5	
		1	12	19.67	5.0	20.5	
		1	24	19.50	5.0	20.5	
12		0	19.44	5.0	20.5		
12		7	19.47	5.0	20.5		
12		13	19.47	5.0	20.5		
25		0	19.40	5.0	20.5		

LTE Band 25 (Ant.B) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)						Maximum Allowed Average Power (dBm)					Maximum Allowed Average Power (dBm)				
				DSI = 2, 3						DSI = 1					DSI = 0				
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	
				26140	26365	26590			26140	26365	26590			26140	26365	26590			
1860 MHz	1882.5 MHz	1905 MHz	1860 MHz	1882.5 MHz	1905 MHz	1860 MHz	1882.5 MHz	1905 MHz											
20 MHz	QPSK	1	0	24.07	23.90	23.90	0.0	25.0	19.09	19.00	18.95	0.0	20.0	18.10	17.99	18.02	0.0	19.0	
		1	49	24.02	23.86	23.86	0.0	25.0	19.07	18.99	18.93	0.0	20.0	18.10	18.00	18.00	0.0	19.0	
		1	99	23.95	23.82	23.79	0.0	25.0	18.97	18.94	18.87	0.0	20.0	18.03	17.97	17.96	0.0	19.0	
		50	0	23.05	22.92	22.89	1.0	24.0	19.05	18.97	18.92	0.0	20.0	18.11	18.05	18.01	0.0	19.0	
		50	24	23.09	22.97	22.91	1.0	24.0	19.13	19.06	18.96	0.0	20.0	18.13	18.07	17.99	0.0	19.0	
		50	50	23.02	22.91	22.91	1.0	24.0	19.08	19.01	18.92	0.0	20.0	18.09	18.07	18.04	0.0	19.0	
	100	0	23.07	22.92	22.94	1.0	24.0	19.07	19.04	18.91	0.0	20.0	18.11	18.02	17.98	0.0	19.0		
	16QAM	1	0	23.53	23.28	23.11	1.0	24.0	19.42	19.33	19.24	0.0	20.0	18.37	18.42	18.38	0.0	19.0	
		1	49	23.43	23.35	23.15	1.0	24.0	19.46	19.33	19.24	0.0	20.0	18.38	18.46	18.36	0.0	19.0	
		1	99	23.36	23.23	23.04	1.0	24.0	19.40	19.25	19.16	0.0	20.0	18.32	18.42	18.31	0.0	19.0	
		50	0	22.08	21.94	21.91	2.0	23.0	19.10	18.98	18.93	0.0	20.0	18.12	18.07	18.02	0.0	19.0	
		50	24	22.12	22.01	21.97	2.0	23.0	19.14	19.06	18.92	0.0	20.0	18.15	18.12	17.97	0.0	19.0	
		50	50	22.05	21.96	21.92	2.0	23.0	19.09	19.01	18.98	0.0	20.0	18.11	18.11	18.05	0.0	19.0	
	100	0	22.10	21.97	21.94	2.0	23.0	19.13	19.01	18.90	0.0	20.0	18.11	18.04	17.99	0.0	19.0		
	64QAM	1	0	22.37	22.35	22.15	2.0	23.0	19.39	19.26	19.13	0.0	20.0	18.29	18.38	18.23	0.0	19.0	
		1	49	22.28	22.30	22.22	2.0	23.0	19.33	19.29	19.12	0.0	20.0	18.29	18.39	18.23	0.0	19.0	
		1	99	22.22	22.22	22.06	2.0	23.0	19.23	19.22	19.07	0.0	20.0	18.22	18.33	18.22	0.0	19.0	
		50	0	21.11	20.90	20.89	3.0	22.0	19.10	19.01	18.96	0.0	20.0	18.12	18.01	18.02	0.0	19.0	
		50	24	21.15	21.02	20.98	3.0	22.0	19.16	19.09	18.97	0.0	20.0	18.13	18.09	17.98	0.0	19.0	
		50	50	21.11	20.95	20.91	3.0	22.0	19.12	19.05	19.00	0.0	20.0	18.13	18.10	18.07	0.0	19.0	
	100	0	21.12	20.94	20.96	3.0	22.0	19.15	19.04	18.94	0.0	20.0	18.11	18.07	17.93	0.0	19.0		
	256QAM	1	0	19.22	19.05	18.96	5.0	20.0	19.33	19.02	19.11	0.0	20.0	18.24	18.15	18.05	0.0	19.0	
		1	49	19.19	19.18	19.03	5.0	20.0	19.36	19.14	19.21	0.0	20.0	18.34	18.22	18.15	0.0	19.0	
		1	99	19.12	18.97	18.79	5.0	20.0	19.19	19.00	19.09	0.0	20.0	18.21	18.16	17.98	0.0	19.0	
50		0	19.08	18.91	18.88	5.0	20.0	19.10	18.99	18.93	0.0	20.0	18.08	18.01	17.97	0.0	19.0		
50		24	19.14	18.99	18.94	5.0	20.0	19.17	19.06	18.94	0.0	20.0	18.16	18.07	18.00	0.0	19.0		
50		50	19.06	18.90	18.88	5.0	20.0	19.09	19.02	18.96	0.0	20.0	18.12	18.04	18.03	0.0	19.0		
100	0	19.09	18.95	18.93	5.0	20.0	19.14	19.05	18.92	0.0	20.0	18.11	18.07	17.98	0.0	19.0			
15 MHz	QPSK	1	0	24.09	23.96	23.89	0.0	25.0	19.15	19.01	18.85	0.0	20.0	18.08	17.99	17.92	0.0	19.0	
		1	37	24.02	23.94	23.88	0.0	25.0	19.17	19.01	18.84	0.0	20.0	18.08	18.02	18.02	0.0	19.0	
		1	74	23.95	23.85	23.82	0.0	25.0	19.05	18.93	18.78	0.0	20.0	17.97	17.98	17.91	0.0	19.0	
		36	0	23.09	22.93	22.85	1.0	24.0	19.20	18.97	18.83	0.0	20.0	18.13	17.96	17.91	0.0	19.0	
		36	20	23.08	22.93	22.91	1.0	24.0	19.20	18.99	18.93	0.0	20.0	18.11	17.97	17.99	0.0	19.0	
		36	39	23.04	22.95	22.86	1.0	24.0	19.16	19.00	18.87	0.0	20.0	18.08	18.02	17.93	0.0	19.0	
	75	0	23.06	22.97	22.88	1.0	24.0	19.19	19.02	18.89	0.0	20.0	18.10	18.05	17.97	0.0	19.0		
	16QAM	1	0	23.20	23.25	23.20	1.0	24.0	19.49	19.23	19.19	0.0	20.0	18.30	18.31	18.23	0.0	19.0	
		1	37	23.22	23.25	23.18	1.0	24.0	19.48	19.23	19.22	0.0	20.0	18.35	18.30	18.24	0.0	19.0	
		1	74	23.21	23.19	23.06	1.0	24.0	19.40	19.15	19.06	0.0	20.0	18.29	18.24	18.25	0.0	19.0	
		36	0	22.15	21.99	21.92	2.0	23.0	19.24	18.99	18.87	0.0	20.0	18.18	18.01	17.93	0.0	19.0	
		36	20	22.16	21.99	21.99	2.0	23.0	19.21	19.00	18.96	0.0	20.0	18.18	18.01	18.04	0.0	19.0	
		36	39	22.11	22.01	21.94	2.0	23.0	19.19	19.00	18.90	0.0	20.0	18.14	18.05	17.98	0.0	19.0	
	75	0	22.11	22.04	21.91	2.0	23.0	19.20	19.05	18.95	0.0	20.0	18.12	18.05	18.01	0.0	19.0		
	64QAM	1	0	22.34	22.22	22.14	2.0	23.0	19.32	19.08	19.09	0.0	20.0	18.18	18.19	18.12	0.0	19.0	
		1	37	22.44	22.15	22.20	2.0	23.0	19.37	19.14	19.11	0.0	20.0	18.41	18.24	18.20	0.0	19.0	
		1	74	22.25	22.19	22.09	2.0	23.0	19.25	19.07	19.00	0.0	20.0	18.29	18.17	18.12	0.0	19.0	
		36	0	21.22	21.08	20.96	3.0	22.0	19.24	19.01	18.85	0.0	20.0	18.15	17.93	17.96	0.0	19.0	
		36	20	21.22	21.04	21.05	3.0	22.0	19.22	19.00	18.92	0.0	20.0	18.13	17.98	18.05	0.0	19.0	
		36	39	21.20	21.07	21.00	3.0	22.0	19.20	19.03	18.85	0.0	20.0	18.11	18.04	17.98	0.0	19.0	
	75	0	21.20	21.11	21.00	3.0	22.0	19.20	19.05	18.93	0.0	20.0	18.07	18.03	17.98	0.0	19.0		
	256QAM	1	0	19.18	19.07	19.01	5.0	20.0	19.14	19.12	18.94	0.0	20.0	18.16	18.10	17.99	0.0	19.0	
		1	37	19.24	19.15	19.07	5.0	20.0	19.23	19.21	18.99	0.0	20.0	18.27	18.22	18.11	0.0	19.0	
		1	74	19.15	19.00	18.92	5.0	20.0	19.11	19.09	18.89	0.0	20.0	18.09	18.12	17.98	0.0	19.0	
36		0	19.22	19.06	18.94	5.0	20.0	19.23	18.98	18.86	0.0	20.0	18.16	18.00	17.94	0.0	19.0		
36		20	19.23	19.05	19.01	5.0	20.0	19.22	19.00	18.94	0.0	20.0	18.15	18.01	18.02	0.0	19.0		
36		39	19.18	19.07	18.97	5.0	20.0	19.17	19.04	18.88	0.0	20.0	18.12	18.05	17.97	0.0	19.0		
75	0	19.14	19.07	18.95	5.0	20.0	19.20	19.05	18.91	0.0	20.0	18.13	18.05	18.03	0.0	19.0			

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	Measured Pwr (dBm)			MPR	Tune-up Limit
				26090	26365	26640			26090	26365	26640			26090	26365	26640		
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	24.24	23.92	23.83	0.0	25.0	19.22	19.03	18.89	0.0	20.0	18.18	18.00	17.97	0.0	19.0
		1	25	24.12	23.98	23.80	0.0	25.0	19.22	19.08	18.86	0.0	20.0	18.21	18.07	17.98	0.0	19.0
		1	49	23.95	23.85	23.75	0.0	25.0	19.12	18.96	18.79	0.0	20.0	18.10	17.98	17.94	0.0	19.0
		25	0	23.13	22.95	22.82	1.0	24.0	19.27	18.99	18.83	0.0	20.0	18.18	17.99	17.91	0.0	19.0
		25	12	23.18	23.07	22.86	1.0	24.0	19.28	19.12	18.85	0.0	20.0	18.22	18.12	17.96	0.0	19.0
		25	25	23.13	23.03	22.88	1.0	24.0	19.23	19.03	18.90	0.0	20.0	18.16	18.04	18.03	0.0	19.0
	16QAM	50	0	22.13	22.02	21.80	1.0	24.0	19.26	19.06	18.83	0.0	20.0	18.20	18.04	17.90	0.0	19.0
		1	0	23.42	23.14	23.18	1.0	24.0	19.55	19.26	19.26	0.0	20.0	18.43	18.31	18.29	0.0	19.0
		1	25	23.49	23.17	23.11	1.0	24.0	19.55	19.30	19.20	0.0	20.0	18.43	18.35	18.36	0.0	19.0
		1	49	23.28	23.04	23.14	1.0	24.0	19.43	19.16	19.19	0.0	20.0	18.31	18.26	18.31	0.0	19.0
		25	0	22.19	21.98	21.91	2.0	23.0	19.24	18.99	18.87	0.0	20.0	18.18	18.03	17.96	0.0	19.0
		25	12	22.23	22.07	21.91	2.0	23.0	19.25	19.08	18.89	0.0	20.0	18.21	18.15	17.98	0.0	19.0
	64QAM	25	25	22.16	22.01	21.96	2.0	23.0	19.20	19.01	18.92	0.0	20.0	18.18	18.10	18.04	0.0	19.0
		50	0	22.18	22.06	21.86	2.0	23.0	19.24	19.06	18.88	0.0	20.0	18.17	18.08	17.94	0.0	19.0
		1	0	22.37	22.22	22.12	2.0	23.0	19.48	19.22	19.03	0.0	20.0	18.40	18.15	18.16	0.0	19.0
		1	25	22.37	22.39	22.14	2.0	23.0	19.54	19.29	19.09	0.0	20.0	18.41	18.30	18.25	0.0	19.0
		1	49	22.27	22.20	22.17	2.0	23.0	19.31	19.10	19.03	0.0	20.0	18.27	18.15	18.22	0.0	19.0
		25	0	21.23	21.05	20.93	3.0	22.0	19.26	19.03	18.84	0.0	20.0	18.18	18.01	18.03	0.0	19.0
	256QAM	25	12	21.26	21.16	20.95	3.0	22.0	19.29	19.15	18.87	0.0	20.0	18.22	18.14	18.04	0.0	19.0
		25	25	21.21	21.15	20.99	3.0	22.0	19.21	19.11	18.90	0.0	20.0	18.16	18.11	18.11	0.0	19.0
		50	0	21.25	21.14	20.92	3.0	22.0	19.24	19.08	18.83	0.0	20.0	18.14	18.05	17.97	0.0	19.0
		1	0	19.32	19.09	18.99	5.0	20.0	19.40	19.14	18.97	0.0	20.0	18.29	18.15	18.03	0.0	19.0
		1	25	19.34	19.29	19.08	5.0	20.0	19.35	19.23	19.07	0.0	20.0	18.32	18.24	18.18	0.0	19.0
		1	49	19.24	19.08	18.95	5.0	20.0	19.19	19.09	18.92	0.0	20.0	18.22	18.16	18.00	0.0	19.0
	5 MHz	QPSK	25	0	19.23	19.04	18.91	5.0	20.0	19.27	19.05	18.86	0.0	20.0	18.16	17.97	17.98	0.0
25			12	19.25	19.18	18.94	5.0	20.0	19.28	19.14	18.90	0.0	20.0	18.20	18.10	17.97	0.0	19.0
25			25	19.20	19.10	18.97	5.0	20.0	19.23	19.09	18.90	0.0	20.0	18.14	18.06	18.04	0.0	19.0
50			0	19.18	19.08	18.86	5.0	20.0	19.23	19.09	18.86	0.0	20.0	18.14	18.09	17.94	0.0	19.0
1			0	24.13	24.02	23.94	0.0	25.0	19.20	19.01	18.87	0.0	20.0	18.12	18.00	17.96	0.0	19.0
1			12	24.21	24.12	23.94	0.0	25.0	19.28	19.09	18.98	0.0	20.0	18.20	18.11	18.04	0.0	19.0
16QAM		1	24	24.14	24.03	23.87	0.0	25.0	19.20	19.03	18.90	0.0	20.0	18.11	18.06	18.01	0.0	19.0
		12	0	23.12	22.93	22.83	1.0	24.0	19.23	18.96	18.82	0.0	20.0	18.16	17.98	17.92	0.0	19.0
		12	7	23.17	23.05	22.96	1.0	24.0	19.30	19.09	18.95	0.0	20.0	18.24	18.13	18.06	0.0	19.0
		12	13	23.18	23.04	22.94	1.0	24.0	19.26	19.07	18.93	0.0	20.0	18.21	18.10	18.03	0.0	19.0
		25	0	23.13	23.00	22.92	1.0	24.0	19.26	19.05	18.91	0.0	20.0	18.18	18.08	18.03	0.0	19.0
		1	0	23.64	23.46	23.44	1.0	24.0	19.54	19.29	19.37	0.0	20.0	18.48	18.31	18.44	0.0	19.0
64QAM		1	12	23.57	23.55	23.56	1.0	24.0	19.65	19.41	19.41	0.0	20.0	18.54	18.40	18.50	0.0	19.0
		1	24	23.62	23.55	23.47	1.0	24.0	19.57	19.36	19.40	0.0	20.0	18.48	18.32	18.49	0.0	19.0
		12	0	22.20	22.02	21.93	2.0	23.0	19.26	18.93	18.94	0.0	20.0	18.22	18.05	18.04	0.0	19.0
		12	7	22.27	22.14	22.04	2.0	23.0	19.30	19.08	19.10	0.0	20.0	18.26	18.24	18.14	0.0	19.0
		12	13	22.23	22.15	22.06	2.0	23.0	19.28	19.02	19.06	0.0	20.0	18.23	18.20	18.15	0.0	19.0
		25	0	22.19	22.04	21.96	2.0	23.0	19.29	19.05	18.95	0.0	20.0	18.17	18.08	18.03	0.0	19.0
256QAM		1	0	22.32	22.20	21.96	2.0	23.0	19.37	19.22	18.95	0.0	20.0	18.39	18.22	18.40	0.0	19.0
		1	12	22.42	22.38	22.11	2.0	23.0	19.51	19.43	19.16	0.0	20.0	18.45	18.34	18.45	0.0	19.0
		1	24	22.39	22.09	22.07	2.0	23.0	19.27	19.35	19.01	0.0	20.0	18.36	18.23	18.35	0.0	19.0
		12	0	21.24	21.03	20.93	3.0	22.0	19.31	19.01	18.86	0.0	20.0	18.17	17.97	17.97	0.0	19.0
		12	7	21.32	21.18	21.06	3.0	22.0	19.39	19.16	18.97	0.0	20.0	18.25	18.12	18.11	0.0	19.0
		12	13	21.27	21.13	21.00	3.0	22.0	19.32	19.12	18.98	0.0	20.0	18.19	18.07	18.11	0.0	19.0
QPSK		25	0	21.25	21.12	20.98	3.0	22.0	19.32	19.10	18.91	0.0	20.0	18.21	18.07	18.04	0.0	19.0
	1	0	19.33	18.99	19.02	5.0	20.0	19.52	18.92	18.96	0.0	20.0	18.28	18.08	18.04	0.0	19.0	
	1	12	19.45	19.22	19.20	5.0	20.0	19.58	19.36	19.17	0.0	20.0	18.37	18.21	18.23	0.0	19.0	
	1	24	19.37	19.24	19.00	5.0	20.0	19.37	19.14	19.09	0.0	20.0	18.25	18.19	18.23	0.0	19.0	
	12	0	19.21	19.01	18.86	5.0	20.0	19.27	19.01	18.81	0.0	20.0	18.17	17.95	17.95	0.0	19.0	
	12	7	19.27	19.14	19.01	5.0	20.0	19.36	19.14	18.98	0.0	20.0	18.24	18.14	18.09	0.0	19.0	
	12	13	19.26	19.16	18.99	5.0	20.0	19.31	19.11	18.96	0.0	20.0	18.21	18.10	18.07	0.0	19.0	
16QAM	25	0	19.20	19.04	18.93	5.0	20.0	19.29	19.10	18.90	0.0	20.0	18.18	18.08	18.00	0.0	19.0	

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	Measured Pwr (dBm)			MPR	Tune-up Limit
				26055	26365	26675			26055	26365	26675			26055	26365	26675		
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	24.0	23.9	23.8	0.0	25.0	19.2	18.9	18.8	0.0	20.0	18.1	17.9	17.9	0.0	19.0
		1	8	24.2	24.1	23.9	0.0	25.0	19.3	19.0	19.0	0.0	20.0	18.2	18.1	18.0	0.0	19.0
		1	14	24.0	23.9	23.8	0.0	25.0	19.2	19.0	18.8	0.0	20.0	18.1	18.0	17.9	0.0	19.0
		8	0	23.1	22.9	22.8	1.0	24.0	19.3	19.0	18.8	0.0	20.0	18.2	18.0	17.9	0.0	19.0
		8	4	23.1	23.0	22.8	1.0	24.0	19.3	19.1	18.9	0.0	20.0	18.2	18.1	18.0	0.0	19.0
		8	7	23.1	23.0	22.9	1.0	24.0	19.3	19.1	18.9	0.0	20.0	18.2	18.1	18.1	0.0	19.0
	16QAM	15	0	23.1	23.0	22.8	1.0	24.0	19.3	19.1	18.8	0.0	20.0	18.2	18.1	17.9	0.0	19.0
		1	0	23.5	23.4	23.2	1.0	24.0	19.4	19.3	19.1	0.0	20.0	18.4	18.3	18.2	0.0	19.0
		1	8	23.6	23.5	23.3	1.0	24.0	19.7	19.4	19.3	0.0	20.0	18.5	18.4	18.4	0.0	19.0
		1	14	23.5	23.4	23.3	1.0	24.0	19.5	19.4	19.2	0.0	20.0	18.4	18.4	18.3	0.0	19.0
		8	0	22.2	22.0	21.9	2.0	23.0	19.4	19.0	18.9	0.0	20.0	18.3	18.1	18.0	0.0	19.0
		8	4	22.3	22.2	21.9	2.0	23.0	19.4	19.1	18.9	0.0	20.0	18.3	18.2	18.1	0.0	19.0
	64QAM	8	7	22.3	22.2	22.0	2.0	23.0	19.4	19.2	19.1	0.0	20.0	18.3	18.2	18.2	0.0	19.0
		15	0	22.2	22.1	21.9	2.0	23.0	19.3	19.1	18.9	0.0	20.0	18.2	18.1	18.0	0.0	19.0
		1	0	22.4	22.1	22.1	2.0	23.0	19.5	19.1	18.9	0.0	20.0	18.2	18.2	18.1	0.0	19.0
		1	8	22.5	22.4	22.3	2.0	23.0	19.6	19.3	19.1	0.0	20.0	18.4	18.4	18.3	0.0	19.0
		1	14	22.4	22.2	22.1	2.0	23.0	19.5	19.2	19.0	0.0	20.0	18.2	18.3	18.2	0.0	19.0
		8	0	21.3	21.1	20.9	3.0	22.0	19.3	19.1	18.9	0.0	20.0	18.2	18.0	18.0	0.0	19.0
	256QAM	8	4	21.3	21.1	20.9	3.0	22.0	19.4	19.2	18.9	0.0	20.0	18.3	18.2	18.1	0.0	19.0
		8	7	21.3	21.2	21.0	3.0	22.0	19.4	19.2	19.0	0.0	20.0	18.3	18.1	18.1	0.0	19.0
		15	0	21.2	21.1	20.9	3.0	22.0	19.3	19.1	18.8	0.0	20.0	18.2	18.1	18.0	0.0	19.0
1		0	19.2	18.9	18.9	5.0	20.0	19.3	19.1	18.9	0.0	20.0	18.2	18.0	18.0	0.0	19.0	
1		8	19.4	19.2	19.2	5.0	20.0	19.5	19.4	19.2	0.0	20.0	18.4	18.3	18.2	0.0	19.0	
1		14	19.2	19.2	19.0	5.0	20.0	19.4	19.2	19.0	0.0	20.0	18.3	18.1	18.1	0.0	19.0	
1.4 MHz	QPSK	8	0	19.2	19.0	18.9	5.0	20.0	19.3	19.0	18.8	0.0	20.0	18.2	18.0	18.0	0.0	19.0
		8	4	19.3	19.1	18.9	5.0	20.0	19.4	19.1	18.9	0.0	20.0	18.3	18.1	18.0	0.0	19.0
		8	7	19.3	19.1	19.0	5.0	20.0	19.4	19.1	19.0	0.0	20.0	18.3	18.1	18.1	0.0	19.0
		15	0	19.2	19.1	18.9	5.0	20.0	19.3	19.1	18.9	0.0	20.0	18.2	18.1	17.9	0.0	19.0
		1	0	24.1	24.0	23.8	0.0	25.0	19.2	19.0	18.8	0.0	20.0	18.1	18.0	18.0	0.0	19.0
		1	3	24.1	24.0	23.8	0.0	25.0	19.2	19.0	18.8	0.0	20.0	18.1	18.0	17.9	0.0	19.0
	16QAM	1	5	24.0	23.9	23.8	0.0	25.0	19.2	19.0	18.8	0.0	20.0	18.1	18.0	17.9	0.0	19.0
		3	0	24.1	23.9	23.8	0.0	25.0	19.2	18.9	18.8	0.0	20.0	18.1	18.0	17.9	0.0	19.0
		3	1	24.1	24.0	23.8	0.0	25.0	19.2	19.0	18.8	0.0	20.0	18.1	18.0	18.0	0.0	19.0
		3	3	24.1	24.0	23.8	0.0	25.0	19.1	19.0	18.8	0.0	20.0	18.1	18.0	17.9	0.0	19.0
		6	0	23.1	23.0	22.8	1.0	24.0	19.2	19.0	18.8	0.0	20.0	18.1	18.0	18.0	0.0	19.0
		1	0	23.3	23.3	23.1	1.0	24.0	19.4	19.2	19.2	0.0	20.0	18.3	18.3	18.2	0.0	19.0
	64QAM	1	3	23.3	23.3	23.1	1.0	24.0	19.4	19.2	19.2	0.0	20.0	18.3	18.4	18.2	0.0	19.0
		1	5	23.3	23.3	23.1	1.0	24.0	19.4	19.2	19.2	0.0	20.0	18.3	18.3	18.2	0.0	19.0
		3	0	23.2	23.1	23.0	1.0	24.0	19.3	19.0	19.0	0.0	20.0	18.2	18.1	18.1	0.0	19.0
		3	1	23.2	23.1	23.0	1.0	24.0	19.3	19.1	19.0	0.0	20.0	18.2	18.1	18.1	0.0	19.0
		3	3	23.2	23.1	22.9	1.0	24.0	19.3	19.1	19.0	0.0	20.0	18.2	18.1	18.0	0.0	19.0
		6	0	22.2	22.0	21.9	2.0	23.0	19.3	19.1	18.9	0.0	20.0	18.2	18.1	18.1	0.0	19.0
	256QAM	1	0	22.3	22.2	22.0	2.0	23.0	19.4	19.2	19.2	0.0	20.0	18.4	18.3	18.3	0.0	19.0
		1	3	22.3	22.2	22.1	2.0	23.0	19.4	19.2	19.1	0.0	20.0	18.5	18.2	18.2	0.0	19.0
		1	5	22.3	22.1	22.0	2.0	23.0	19.4	19.2	19.1	0.0	20.0	18.4	18.2	18.2	0.0	19.0
3		0	22.2	22.1	21.9	2.0	23.0	19.4	19.1	19.0	0.0	20.0	18.3	18.2	18.1	0.0	19.0	
3		1	22.2	22.1	21.9	2.0	23.0	19.4	19.1	19.0	0.0	20.0	18.3	18.1	18.1	0.0	19.0	
3		3	22.2	22.0	22.0	2.0	23.0	19.4	19.1	19.0	0.0	20.0	18.3	18.1	18.1	0.0	19.0	
QPSK	6	0	21.2	21.1	20.9	3.0	22.0	19.3	19.1	18.9	0.0	20.0	18.2	18.1	18.0	0.0	19.0	
	1	0	19.3	19.1	19.0	5.0	20.0	19.3	19.2	18.9	0.0	20.0	18.2	18.2	18.1	0.0	19.0	
	1	3	19.3	19.2	19.0	5.0	20.0	19.4	19.2	19.0	0.0	20.0	18.3	18.1	18.1	0.0	19.0	
	1	5	19.3	19.1	19.0	5.0	20.0	19.3	19.3	18.9	0.0	20.0	18.3	18.1	18.1	0.0	19.0	
	3	0	19.2	19.1	18.9	5.0	20.0	19.4	19.2	18.9	0.0	20.0	18.2	18.2	18.0	0.0	19.0	
	3	1	19.2	19.1	18.9	5.0	20.0	19.4	19.1	19.0	0.0	20.0	18.2	18.1	18.0	0.0	19.0	
16QAM	3	3	19.3	19.1	19.0	5.0	20.0	19.4	19.1	18.9	0.0	20.0	18.2	18.1	18.0	0.0	19.0	
	6	0	19.0	19.1	18.7	5.0	20.0	19.3	19.0	19.0	0.0	20.0	18.2	18.1	18.0	0.0	19.0	

LTE Band 25 (Ant.E) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)					Maximum Allowed Average Power (dBm)				
				DSI = 0, 1					DSI = 2, 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				26140 1860 MHz	26365 1882.5 MHz	26590 1905 MHz			26140 1860 MHz	26365 1882.5 MHz	26590 1905 MHz		
20 MHz	QPSK	1	0	19.56	19.44	19.37	0.0	21.0	22.12	21.96	21.91	0.0	23.5
		1	49	19.54	19.42	19.40	0.0	21.0	22.11	21.95	21.92	0.0	23.5
		1	99	19.49	19.42	19.33	0.0	21.0	22.06	21.94	21.87	0.0	23.5
		50	0	19.63	19.47	19.39	0.0	21.0	22.20	22.01	21.94	0.0	23.5
		50	24	19.56	19.49	19.45	0.0	21.0	22.13	22.02	21.99	0.0	23.5
		50	50	19.52	19.47	19.43	0.0	21.0	22.07	22.00	21.96	0.0	23.5
	16QAM	100	0	19.52	19.44	19.44	0.0	21.0	22.06	21.99	21.99	0.0	23.5
		1	0	19.89	19.84	19.77	0.0	21.0	22.46	22.45	22.33	0.0	23.5
		1	49	19.89	19.85	19.77	0.0	21.0	22.41	22.39	22.28	0.0	23.5
		1	99	19.82	19.83	19.75	0.0	21.0	22.30	22.40	22.27	0.0	23.5
		50	0	19.66	19.50	19.40	0.0	21.0	21.92	21.76	21.67	0.5	23.0
		50	24	19.58	19.50	19.49	0.0	21.0	21.87	21.80	21.75	0.5	23.0
	64QAM	50	50	19.56	19.50	19.45	0.0	21.0	21.84	21.76	21.71	0.5	23.0
		100	0	19.56	19.48	19.46	0.0	21.0	21.83	21.77	21.73	0.5	23.0
		1	0	19.85	19.55	19.52	0.0	21.0	22.05	21.88	21.80	0.5	23.0
		1	49	19.85	19.55	19.58	0.0	21.0	22.03	21.82	21.85	0.5	23.0
		1	99	19.76	19.50	19.48	0.0	21.0	22.07	21.85	21.77	0.5	23.0
		50	0	19.62	19.46	19.34	0.0	21.0	20.89	20.72	20.61	1.5	22.0
	256QAM	50	24	19.58	19.47	19.43	0.0	21.0	20.85	20.74	20.70	1.5	22.0
		50	50	19.54	19.44	19.40	0.0	21.0	20.82	20.70	20.67	1.5	22.0
		100	0	19.52	19.43	19.42	0.0	21.0	20.83	20.71	20.68	1.5	22.0
		1	0	18.96	18.69	18.78	1.0	20.0	19.02	18.78	18.78	3.5	20.0
		1	49	18.99	18.74	18.82	1.0	20.0	19.03	18.82	18.88	3.5	20.0
		1	99	18.90	18.64	18.66	1.0	20.0	18.84	18.73	18.76	3.5	20.0
15 MHz	QPSK	50	0	18.87	18.68	18.58	1.0	20.0	18.89	18.71	18.59	3.5	20.0
		50	24	18.79	18.69	18.66	1.0	20.0	18.86	18.70	18.69	3.5	20.0
		50	50	18.72	18.64	18.60	1.0	20.0	18.77	18.67	18.63	3.5	20.0
		100	0	18.75	18.67	18.63	1.0	20.0	18.80	18.69	18.67	3.5	20.0
		1	0	19.58	19.36	19.27	0.0	21.0	22.03	21.82	21.75	0.0	23.5
		1	37	19.64	19.37	19.30	0.0	21.0	22.06	21.82	21.83	0.0	23.5
	16QAM	1	74	19.50	19.36	19.23	0.0	21.0	21.96	21.80	21.73	0.0	23.5
		36	0	19.62	19.42	19.26	0.0	21.0	22.09	21.87	21.74	0.0	23.5
		36	20	19.62	19.41	19.37	0.0	21.0	22.10	21.88	21.83	0.0	23.5
		36	39	19.53	19.37	19.30	0.0	21.0	21.96	21.86	21.78	0.0	23.5
		75	0	19.52	19.38	19.33	0.0	21.0	22.00	21.84	21.80	0.0	23.5
		1	0	19.90	19.65	19.61	0.0	21.0	22.26	22.12	22.04	0.0	23.5
64QAM	1	37	19.96	19.65	19.59	0.0	21.0	22.33	22.18	22.09	0.0	23.5	
	1	74	19.87	19.60	19.58	0.0	21.0	22.18	22.06	22.07	0.0	23.5	
	36	0	19.66	19.45	19.34	0.0	21.0	21.84	21.64	21.50	0.5	23.0	
	36	20	19.71	19.47	19.40	0.0	21.0	21.84	21.66	21.61	0.5	23.0	
	36	39	19.57	19.42	19.34	0.0	21.0	21.74	21.62	21.56	0.5	23.0	
	75	0	19.58	19.43	19.38	0.0	21.0	21.73	21.62	21.57	0.5	23.0	
256QAM	1	0	19.75	19.68	19.54	0.0	21.0	22.01	21.74	21.72	0.5	23.0	
	1	37	19.78	19.67	19.64	0.0	21.0	22.02	21.70	21.75	0.5	23.0	
	1	74	19.69	19.55	19.56	0.0	21.0	21.92	21.73	21.64	0.5	23.0	
	36	0	19.73	19.49	19.36	0.0	21.0	20.86	20.64	20.49	1.5	22.0	
	36	20	19.73	19.54	19.44	0.0	21.0	20.87	20.64	20.60	1.5	22.0	
	36	39	19.60	19.47	19.40	0.0	21.0	20.77	20.60	20.56	1.5	22.0	
256QAM	75	0	19.62	19.50	19.43	0.0	21.0	20.76	20.61	20.57	1.5	22.0	
	1	0	19.04	18.85	18.72	1.0	20.0	18.88	18.76	18.53	3.5	20.0	
	1	37	19.07	18.83	18.81	1.0	20.0	18.92	18.81	18.70	3.5	20.0	
	1	74	18.92	18.80	18.60	1.0	20.0	18.73	18.74	18.61	3.5	20.0	
	36	0	18.93	18.72	18.60	1.0	20.0	18.87	18.61	18.47	3.5	20.0	
	36	20	18.96	18.72	18.65	1.0	20.0	18.86	18.64	18.57	3.5	20.0	
256QAM	36	39	18.83	18.70	18.62	1.0	20.0	18.75	18.59	18.52	3.5	20.0	
	75	0	18.86	18.70	18.64	1.0	20.0	18.75	18.59	18.55	3.5	20.0	

LTE Band 25 (Ant.E) 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	26365	26640			26090	26365	26640		
				1855 MHz	1882.5 MHz	1910 MHz			1855 MHz	1882.5 MHz	1910 MHz		
10 MHz	QPSK	1	0	19.63	19.40	19.33	0.0	21.0	22.09	21.85	21.79	0.0	23.5
		1	25	19.68	19.42	19.36	0.0	21.0	22.11	21.88	21.86	0.0	23.5
		1	49	19.55	19.33	19.34	0.0	21.0	21.97	21.83	21.79	0.0	23.5
		25	0	19.67	19.40	19.31	0.0	21.0	22.10	21.92	21.75	0.0	23.5
		25	12	19.59	19.45	19.30	0.0	21.0	22.07	21.95	21.77	0.0	23.5
		25	25	19.58	19.43	19.37	0.0	21.0	22.04	21.90	21.82	0.0	23.5
		50	0	19.55	19.43	19.28	0.0	21.0	21.78	21.65	21.48	0.0	23.5
	16QAM	1	0	19.96	19.61	19.69	0.0	21.0	22.44	22.17	22.11	0.0	23.5
		1	25	20.01	19.67	19.68	0.0	21.0	22.35	22.19	22.17	0.0	23.5
		1	49	19.89	19.60	19.67	0.0	21.0	22.24	22.13	22.10	0.0	23.5
		25	0	19.66	19.46	19.27	0.0	21.0	21.90	21.68	21.57	0.5	23.0
		25	12	19.61	19.50	19.31	0.0	21.0	21.84	21.72	21.57	0.5	23.0
		25	25	19.56	19.45	19.37	0.0	21.0	21.83	21.68	21.60	0.5	23.0
		50	0	19.59	19.44	19.31	0.0	21.0	21.80	21.63	21.52	0.5	23.0
	64QAM	1	0	19.94	19.57	19.56	0.0	21.0	21.95	21.76	21.71	0.5	23.0
		1	25	19.94	19.76	19.68	0.0	21.0	22.05	21.81	21.75	0.5	23.0
		1	49	19.84	19.50	19.62	0.0	21.0	22.05	21.65	21.72	0.5	23.0
		25	0	19.75	19.51	19.32	0.0	21.0	20.89	20.63	20.51	1.5	22.0
		25	12	19.69	19.53	19.35	0.0	21.0	20.86	20.68	20.52	1.5	22.0
		25	25	19.69	19.51	19.40	0.0	21.0	20.80	20.64	20.56	1.5	22.0
		50	0	19.67	19.50	19.33	0.0	21.0	20.83	20.63	20.49	1.5	22.0
	256QAM	1	0	19.13	18.86	18.75	1.0	20.0	19.03	18.68	18.59	3.5	20.0
		1	25	19.02	18.81	18.85	1.0	20.0	19.06	18.76	18.60	3.5	20.0
		1	49	18.88	18.85	18.67	1.0	20.0	18.88	18.68	18.61	3.5	20.0
		25	0	18.97	18.72	18.59	1.0	20.0	18.88	18.61	18.49	3.5	20.0
25		12	18.91	18.76	18.62	1.0	20.0	18.84	18.65	18.51	3.5	20.0	
25		25	18.91	18.73	18.66	1.0	20.0	18.78	18.60	18.57	3.5	20.0	
50		0	18.89	18.72	18.57	1.0	20.0	18.79	18.60	18.48	3.5	20.0	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				26065	26365	26665			26065	26365	26665		
				1852.5 MHz	1882.5 MHz	1912.5 MHz			1852.5 MHz	1882.5 MHz	1912.5 MHz		
5 MHz	QPSK	1	0	19.61	19.36	19.31	0.0	21.0	22.04	21.86	21.77	0.0	23.5
		1	12	19.71	19.45	19.37	0.0	21.0	22.08	21.97	21.86	0.0	23.5
		1	24	19.63	19.38	19.35	0.0	21.0	22.05	21.87	21.80	0.0	23.5
		12	0	19.62	19.40	19.26	0.0	21.0	22.08	21.84	21.77	0.0	23.5
		12	7	19.72	19.44	19.31	0.0	21.0	22.17	21.92	21.79	0.0	23.5
		12	13	19.66	19.41	19.37	0.0	21.0	22.15	21.94	21.88	0.0	23.5
		25	0	19.67	19.43	19.27	0.0	21.0	22.11	21.86	21.72	0.0	23.5
	16QAM	1	0	20.03	19.75	19.79	0.0	21.0	22.44	22.30	22.31	0.0	23.5
		1	12	20.05	19.84	19.83	0.0	21.0	22.52	22.35	22.35	0.0	23.5
		1	24	20.02	19.71	19.83	0.0	21.0	22.46	22.30	22.39	0.0	23.5
		12	0	19.62	19.49	19.23	0.0	21.0	21.92	21.71	21.51	0.5	23.0
		12	7	19.70	19.51	19.32	0.0	21.0	22.01	21.77	21.61	0.5	23.0
		12	13	19.69	19.49	19.38	0.0	21.0	22.00	21.74	21.63	0.5	23.0
		25	0	19.67	19.42	19.34	0.0	21.0	21.91	21.70	21.50	0.5	23.0
	64QAM	1	0	19.92	19.61	19.49	0.0	21.0	21.89	21.88	21.78	0.5	23.0
		1	12	19.97	19.73	19.62	0.0	21.0	21.90	21.87	21.95	0.5	23.0
		1	24	19.88	19.67	19.42	0.0	21.0	21.91	21.74	21.84	0.5	23.0
		12	0	19.75	19.47	19.30	0.0	21.0	20.88	20.63	20.48	1.5	22.0
		12	7	19.83	19.56	19.45	0.0	21.0	20.97	20.69	20.52	1.5	22.0
		12	13	19.75	19.54	19.50	0.0	21.0	20.92	20.68	20.63	1.5	22.0
		25	0	19.79	19.50	19.36	0.0	21.0	20.93	20.63	20.47	1.5	22.0
	256QAM	1	0	19.04	18.86	18.66	1.0	20.0	19.03	18.62	18.46	3.5	20.0
		1	12	19.25	18.99	18.79	1.0	20.0	19.02	18.80	18.62	3.5	20.0
		1	24	19.19	18.90	18.72	1.0	20.0	19.02	18.73	18.62	3.5	20.0
		12	0	18.99	18.68	18.52	1.0	20.0	18.88	18.59	18.44	3.5	20.0
12		7	19.05	18.76	18.59	1.0	20.0	18.95	18.65	18.53	3.5	20.0	
12		13	19.00	18.72	18.65	1.0	20.0	18.89	18.62	18.61	3.5	20.0	
25		0	18.99	18.69	18.55	1.0	20.0	18.91	18.60	18.43	3.5	20.0	

LTE Band 25 (Ant.E) 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	26365	26675			26055	26365	26675		
				1851.5 MHz	1882.5 MHz	1913.5 MHz			1851.5 MHz	1882.5 MHz	1913.5 MHz		
3 MHz	QPSK	1	0	19.5	19.3	19.2	0.0	21.0	21.9	21.7	21.7	0.0	23.5
		1	8	19.7	19.5	19.5	0.0	21.0	22.1	21.9	21.9	0.0	23.5
		1	14	19.6	19.3	19.3	0.0	21.0	22.0	21.8	21.7	0.0	23.5
		8	0	19.6	19.4	19.3	0.0	21.0	22.0	21.8	21.7	0.0	23.5
		8	4	19.7	19.5	19.3	0.0	21.0	22.1	21.9	21.8	0.0	23.5
		8	7	19.7	19.4	19.4	0.0	21.0	22.1	21.9	21.8	0.0	23.5
	16QAM	15	0	19.7	19.4	19.3	0.0	21.0	22.1	21.9	21.7	0.0	23.5
		1	0	19.9	19.7	19.6	0.0	21.0	22.3	22.2	22.0	0.0	23.5
		1	8	20.1	19.7	19.8	0.0	21.0	22.5	22.4	22.3	0.0	23.5
		1	14	19.9	19.7	19.6	0.0	21.0	22.4	22.2	22.2	0.0	23.5
		8	0	19.7	19.5	19.4	0.0	21.0	21.8	21.7	21.5	0.5	23.0
		8	4	19.7	19.5	19.5	0.0	21.0	21.9	21.8	21.7	0.5	23.0
	64QAM	8	7	19.8	19.5	19.5	0.0	21.0	21.9	21.8	21.6	0.5	23.0
		15	0	19.7	19.4	19.4	0.0	21.0	21.9	21.7	21.5	0.5	23.0
		1	0	19.8	19.5	19.4	0.0	21.0	22.1	21.7	21.6	0.5	23.0
		1	8	19.9	19.7	19.6	0.0	21.0	22.3	21.9	21.8	0.5	23.0
		1	14	19.8	19.5	19.4	0.0	21.0	22.1	21.8	21.7	0.5	23.0
		8	0	19.7	19.5	19.3	0.0	21.0	20.9	20.7	20.5	1.5	22.0
	256QAM	8	4	19.8	19.5	19.5	0.0	21.0	21.0	20.7	20.6	1.5	22.0
		8	7	19.8	19.6	19.4	0.0	21.0	21.0	20.7	20.6	1.5	22.0
		15	0	19.7	19.5	19.3	0.0	21.0	20.9	20.6	20.5	1.5	22.0
		1	0	18.9	18.8	18.7	1.0	20.0	18.9	18.7	18.4	3.5	20.0
		1	8	19.1	18.9	18.8	1.0	20.0	19.2	18.9	18.7	3.5	20.0
		1	14	19.0	18.8	18.7	1.0	20.0	18.9	18.7	18.6	3.5	20.0
1.4 MHz	QPSK	8	0	18.9	18.7	18.6	1.0	20.0	18.9	18.6	18.5	3.5	20.0
		8	4	19.0	18.8	18.7	1.0	20.0	19.0	18.6	18.6	3.5	20.0
		8	7	19.0	18.8	18.7	1.0	20.0	18.9	18.7	18.6	3.5	20.0
		15	0	19.0	18.7	18.6	1.0	20.0	18.9	18.6	18.5	3.5	20.0
		1	0	19.6	19.4	19.3	0.0	21.0	22.0	21.8	21.7	0.0	23.5
		1	3	19.6	19.4	19.2	0.0	21.0	22.0	21.8	21.7	0.0	23.5
	16QAM	1	5	19.6	19.4	19.3	0.0	21.0	22.0	21.8	21.7	0.0	23.5
		3	0	19.6	19.4	19.3	0.0	21.0	22.1	21.8	21.7	0.0	23.5
		3	1	19.6	19.3	19.3	0.0	21.0	22.1	21.8	21.7	0.0	23.5
		3	3	19.6	19.3	19.3	0.0	21.0	22.0	21.8	21.7	0.0	23.5
		6	0	19.6	19.4	19.3	0.0	21.0	22.1	21.8	21.7	0.0	23.5
		1	0	20.0	19.6	19.5	0.0	21.0	22.2	22.2	22.0	0.0	23.5
	64QAM	1	3	20.0	19.6	19.5	0.0	21.0	22.3	22.2	21.9	0.0	23.5
		1	5	19.9	19.7	19.5	0.0	21.0	22.2	22.2	21.9	0.0	23.5
		3	0	19.8	19.5	19.3	0.0	21.0	22.1	22.0	21.9	0.5	23.0
		3	1	19.8	19.5	19.4	0.0	21.0	22.1	21.9	21.9	0.5	23.0
		3	3	19.8	19.5	19.4	0.0	21.0	22.1	22.0	21.9	0.5	23.0
		6	0	19.7	19.5	19.4	0.0	21.0	21.9	21.6	21.6	0.5	23.0
	256QAM	1	0	19.7	19.6	19.5	0.0	21.0	21.9	21.8	21.8	0.5	23.0
		1	3	19.7	19.6	19.6	0.0	21.0	21.9	21.8	21.8	0.5	23.0
		1	5	19.7	19.5	19.6	0.0	21.0	21.9	21.8	21.8	0.5	23.0
		3	0	19.7	19.5	19.4	0.0	21.0	22.0	21.6	21.6	1.5	22.0
		3	1	19.7	19.5	19.4	0.0	21.0	22.0	21.6	21.6	1.5	22.0
		3	3	19.7	19.5	19.3	0.0	21.0	21.9	21.6	21.6	1.5	22.0
256QAM	6	0	19.7	19.5	19.4	0.0	21.0	20.8	20.6	20.6	1.5	22.0	
	1	0	19.0	18.8	18.7	1.0	20.0	19.0	18.6	18.6	3.5	20.0	
	1	3	19.1	18.8	18.7	1.0	20.0	19.0	18.7	18.6	3.5	20.0	
	1	5	19.0	18.8	18.6	1.0	20.0	18.9	18.7	18.6	3.5	20.0	
	3	0	19.0	18.7	18.6	1.0	20.0	18.9	18.7	18.6	3.5	20.0	
	3	1	18.9	18.7	18.6	1.0	20.0	18.9	18.6	18.6	3.5	20.0	
256QAM	3	3	18.9	18.6	18.6	1.0	20.0	18.9	18.6	18.6	3.5	20.0	
	6	0	19.1	18.4	18.5	1.0	20.0	18.8	18.5	18.4	3.5	20.0	

LTE Band 26 (Ant A&Ant.A+B) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				
				DSI = 0, 1, 2, 3			MPR	Tune-up Limit
				Measured Pwr (dBm)				
			26865					
			831.5 MHz					
15 MHz	QPSK	1	0	24.43			0.0	25.5
		1	37	24.37			0.0	25.5
		1	74	24.39			0.0	25.5
		36	0	23.42			1.0	24.5
		36	20	23.41			1.0	24.5
		36	39	23.37			1.0	24.5
		75	0	23.43			1.0	24.5
	16QAM	1	0	23.71			1.0	24.5
		1	37	23.65			1.0	24.5
		1	74	23.71			1.0	24.5
		36	0	22.45			2.0	23.5
		36	20	22.50			2.0	23.5
		36	39	22.43			2.0	23.5
		75	0	22.48			2.0	23.5
	64QAM	1	0	22.68			2.0	23.5
		1	37	22.66			2.0	23.5
		1	74	22.60			2.0	23.5
		36	0	21.45			3.0	22.5
		36	20	21.47			3.0	22.5
		36	39	21.42			3.0	22.5
		75	0	21.47			3.0	22.5
256QAM	1	0	19.64			5.0	20.5	
	1	37	19.60			5.0	20.5	
	1	74	19.49			5.0	20.5	
	36	0	19.43			5.0	20.5	
	36	20	19.46			5.0	20.5	
	36	39	19.42			5.0	20.5	
	75	0	19.47			5.0	20.5	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				26740	26865	26990		
			819 MHz	831.5 MHz	844 MHz			
10 MHz	QPSK	1	0	24.73	24.64	24.62	0.0	25.5
		1	25	24.73	24.59	24.64	0.0	25.5
		1	49	24.62	24.52	24.59	0.0	25.5
		25	0	23.81	23.65	23.54	1.0	24.5
		25	12	23.81	23.65	23.55	1.0	24.5
		25	25	23.78	23.61	23.62	1.0	24.5
		50	0	23.79	23.64	23.54	1.0	24.5
	16QAM	1	0	24.01	23.90	23.88	1.0	24.5
		1	25	23.96	23.91	23.93	1.0	24.5
		1	49	23.91	23.74	23.82	1.0	24.5
		25	0	22.87	22.66	22.60	2.0	23.5
		25	12	22.85	22.67	22.59	2.0	23.5
		25	25	22.83	22.63	22.62	2.0	23.5
		50	0	22.82	22.64	22.57	2.0	23.5
	64QAM	1	0	23.03	22.80	22.70	2.0	23.5
		1	25	22.97	22.75	22.91	2.0	23.5
		1	49	22.91	22.66	22.72	2.0	23.5
		25	0	21.82	21.64	21.55	3.0	22.5
		25	12	21.81	21.65	21.57	3.0	22.5
		25	25	21.78	21.60	21.60	3.0	22.5
		50	0	21.80	21.63	21.54	3.0	22.5
256QAM	1	0	19.98	19.80	19.73	5.0	20.5	
	1	25	19.90	19.73	19.73	5.0	20.5	
	1	49	19.83	19.68	19.67	5.0	20.5	
	25	0	19.79	19.62	19.55	5.0	20.5	
	25	12	19.78	19.64	19.56	5.0	20.5	
	25	25	19.76	19.61	19.59	5.0	20.5	
	50	0	19.78	19.61	19.52	5.0	20.5	

LTE Band 26 (Ant A&Ant.A+B) Measured Results (Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				26715	26865	27015		
				816.5 MHz	831.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	24.82	24.63	24.62	0.0	25.5
		1	12	24.83	24.67	24.67	0.0	25.5
		1	24	24.74	24.59	24.59	0.0	25.5
		12	0	23.79	23.64	23.54	1.0	24.5
		12	7	23.82	23.66	23.61	1.0	24.5
		12	13	23.78	23.61	23.59	1.0	24.5
	16QAM	25	0	23.81	23.61	23.57	1.0	24.5
		1	0	24.39	24.05	24.04	1.0	24.5
		1	12	24.32	24.05	24.11	1.0	24.5
		1	24	24.33	24.02	24.03	1.0	24.5
		12	0	22.91	22.63	22.60	2.0	23.5
		12	7	22.88	22.66	22.69	2.0	23.5
	64QAM	12	13	22.88	22.61	22.65	2.0	23.5
		25	0	22.87	22.67	22.59	2.0	23.5
		1	0	23.05	22.85	22.71	2.0	23.5
		1	12	22.95	22.88	22.77	2.0	23.5
		1	24	22.85	22.78	22.69	2.0	23.5
		12	0	21.83	21.65	21.55	3.0	22.5
	256QAM	12	7	21.86	21.68	21.64	3.0	22.5
		12	13	21.81	21.62	21.63	3.0	22.5
		25	0	21.82	21.61	21.61	3.0	22.5
		1	0	19.87	19.79	19.68	5.0	20.5
		1	12	19.93	19.78	19.78	5.0	20.5
		1	24	19.83	19.68	19.65	5.0	20.5
	3 MHz	QPSK	12	0	19.84	19.62	19.55	5.0
12			7	19.83	19.63	19.63	5.0	20.5
12			13	19.78	19.59	19.60	5.0	20.5
25			0	19.79	19.57	19.59	5.0	20.5
1			0	24.84	24.58	24.54	0.0	25.5
1			8	24.89	24.63	24.61	0.0	25.5
16QAM		1	14	24.76	24.54	24.51	0.0	25.5
		8	0	23.84	23.59	23.49	1.0	24.5
		8	4	23.83	23.60	23.57	1.0	24.5
		8	7	23.83	23.59	23.57	1.0	24.5
		15	0	23.83	23.61	23.61	1.0	24.5
		1	0	24.30	23.95	24.07	1.0	24.5
64QAM		1	8	24.27	23.94	24.15	1.0	24.5
		1	14	24.21	23.95	24.07	1.0	24.5
		8	0	22.93	22.73	22.56	2.0	23.5
		8	4	22.93	22.74	22.67	2.0	23.5
		8	7	22.94	22.71	22.66	2.0	23.5
		15	0	22.92	22.67	22.65	2.0	23.5
256QAM		1	0	23.11	22.79	22.75	2.0	23.5
		1	8	23.20	22.82	22.86	2.0	23.5
		1	14	23.01	22.70	22.75	2.0	23.5
		8	0	21.87	21.65	21.53	3.0	22.5
		8	4	21.87	21.66	21.61	3.0	22.5
		8	7	21.85	21.64	21.60	3.0	22.5
QPSK		15	0	21.87	21.61	21.61	3.0	22.5
	1	0	19.88	19.71	19.61	5.0	20.5	
	1	8	19.94	19.72	19.79	5.0	20.5	
	1	14	19.81	19.63	19.66	5.0	20.5	
	8	0	19.85	19.62	19.53	5.0	20.5	
	8	4	19.83	19.62	19.63	5.0	20.5	
16QAM	8	7	19.86	19.60	19.62	5.0	20.5	
	15	0	19.83	19.60	19.59	5.0	20.5	

LTE Band 26 (Ant A&Ant.A+B) Measured Results (Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MFR	Tune-up Limit
				26697	26865	27033		
				814.7 MHz	831.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	24.8	24.6	24.5	0.0	25.5
		1	3	24.8	24.6	24.6	0.0	25.5
		1	5	24.8	24.5	24.6	0.0	25.5
		3	0	24.8	24.6	24.6	0.0	25.5
		3	1	24.8	24.6	24.6	0.0	25.5
		3	3	24.8	24.6	24.6	0.0	25.5
	16QAM	6	0	23.2	23.1	23.1	1.0	24.5
		1	0	24.1	23.8	23.9	1.0	24.5
		1	3	24.1	23.8	23.9	1.0	24.5
		1	5	24.1	23.8	23.9	1.0	24.5
		3	0	24.0	23.7	23.7	1.0	24.5
		3	1	24.0	23.7	23.7	1.0	24.5
	64QAM	3	3	23.9	23.7	23.7	1.0	24.5
		6	0	22.9	22.6	22.6	2.0	23.5
		1	0	22.9	22.7	22.6	2.0	23.5
		1	3	23.0	22.8	22.7	2.0	23.5
		1	5	22.9	22.7	22.6	2.0	23.5
		3	0	22.9	22.6	22.6	2.0	23.5
	256QAM	3	1	22.9	22.6	22.7	2.0	23.5
		3	3	22.9	22.6	22.6	2.0	23.5
		6	0	21.7	21.5	21.5	3.0	22.5
		1	0	19.8	19.8	19.7	5.0	20.5
		1	3	19.9	19.8	19.7	5.0	20.5
		1	5	19.8	19.7	19.6	5.0	20.5
		3	0	19.8	19.6	19.5	5.0	20.5
		3	1	19.8	19.6	19.6	5.0	20.5
		3	3	19.8	19.6	19.6	5.0	20.5
6		0	19.8	19.5	19.5	5.0	20.5	

LTE Band 26 (Ant D) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				
				DSI = 0, 1, 2, 3			MPR	Tune-up Limit
				Measured Pwr (dBm)				
			26865					
			831.5 MHz					
15 MHz	QPSK	1	0	24.45			0.0	25.5
		1	37	24.37			0.0	25.5
		1	74	24.42			0.0	25.5
		36	0	23.40			1.0	24.5
		36	20	23.39			1.0	24.5
		36	39	23.36			1.0	24.5
		75	0	23.41			1.0	24.5
	16QAM	1	0	23.76			1.0	24.5
		1	37	23.63			1.0	24.5
		1	74	23.67			1.0	24.5
		36	0	22.45			2.0	23.5
		36	20	22.49			2.0	23.5
		36	39	22.43			2.0	23.5
		75	0	22.49			2.0	23.5
	64QAM	1	0	22.63			2.0	23.5
		1	37	22.61			2.0	23.5
		1	74	22.60			2.0	23.5
		36	0	21.42			3.0	22.5
		36	20	21.46			3.0	22.5
		36	39	21.39			3.0	22.5
		75	0	21.46			3.0	22.5
256QAM	1	0	19.63			5.0	20.5	
	1	37	19.60			5.0	20.5	
	1	74	19.53			5.0	20.5	
	36	0	19.41			5.0	20.5	
	36	20	19.43			5.0	20.5	
	36	39	19.38			5.0	20.5	
	75	0	19.44			5.0	20.5	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				26740	26865	26990		
			819 MHz	831.5 MHz	844 MHz			
10 MHz	QPSK	1	0	24.50	24.41	24.40	0.0	25.5
		1	25	24.52	24.34	24.36	0.0	25.5
		1	49	24.51	24.24	24.00	0.0	25.5
		25	0	23.52	23.40	23.49	1.0	24.5
		25	12	23.60	23.44	23.50	1.0	24.5
		25	25	23.56	23.43	23.55	1.0	24.5
		50	0	23.59	23.47	23.49	1.0	24.5
	16QAM	1	0	23.72	23.62	23.63	1.0	24.5
		1	25	23.71	23.64	23.56	1.0	24.5
		1	49	23.61	23.48	23.30	1.0	24.5
		25	0	22.54	22.47	22.47	2.0	23.5
		25	12	22.63	22.52	22.48	2.0	23.5
		25	25	22.61	22.48	22.56	2.0	23.5
		50	0	22.60	22.49	22.48	2.0	23.5
	64QAM	1	0	22.86	22.60	22.64	2.0	23.5
		1	25	22.84	22.75	22.71	2.0	23.5
		1	49	22.69	22.67	22.50	2.0	23.5
		25	0	21.55	21.41	21.46	3.0	22.5
		25	12	21.60	21.52	21.49	3.0	22.5
		25	25	21.59	21.48	21.55	3.0	22.5
		50	0	21.62	21.46	21.47	3.0	22.5
256QAM	1	0	19.64	19.51	19.55	5.0	20.5	
	1	25	19.61	19.58	19.67	5.0	20.5	
	1	49	19.65	19.54	19.59	5.0	20.5	
	25	0	19.54	19.43	19.48	5.0	20.5	
	25	12	19.58	19.50	19.47	5.0	20.5	
	25	25	19.54	19.47	19.54	5.0	20.5	
	50	0	19.58	19.47	19.45	5.0	20.5	

LTE Band 26 (Ant D) Measured Results (Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				26715	26865	27015		
				816.5 MHz	831.5 MHz	846.5 MHz		
5 MHz	QPSK	1	0	24.54	24.40	24.50	0.0	25.5
		1	12	24.63	24.52	24.55	0.0	25.5
		1	24	24.49	24.45	23.80	0.0	25.5
		12	0	23.59	23.39	23.46	1.0	24.5
		12	7	23.59	23.47	23.48	1.0	24.5
		12	13	23.58	23.44	23.51	1.0	24.5
	16QAM	25	0	23.56	23.42	23.45	1.0	24.5
		1	0	23.91	23.72	23.74	1.0	24.5
		1	12	23.94	23.61	23.71	1.0	24.5
		1	24	23.78	23.57	23.11	1.0	24.5
		12	0	22.69	22.45	22.54	2.0	23.5
		12	7	22.73	22.51	22.58	2.0	23.5
	64QAM	12	13	22.64	22.49	22.64	2.0	23.5
		25	0	22.65	22.46	22.47	2.0	23.5
		1	0	22.77	22.64	22.74	2.0	23.5
		1	12	22.80	22.49	22.82	2.0	23.5
		1	24	22.60	22.56	22.49	2.0	23.5
		12	0	21.60	21.44	21.50	3.0	22.5
	256QAM	12	7	21.64	21.54	21.52	3.0	22.5
		12	13	21.57	21.45	21.59	3.0	22.5
		25	0	21.60	21.47	21.46	3.0	22.5
1		0	19.68	19.49	19.52	5.0	20.5	
1		12	19.77	19.62	19.63	5.0	20.5	
1		24	19.62	19.47	19.53	5.0	20.5	
3 MHz	QPSK	12	0	19.60	19.42	19.44	5.0	20.5
		12	7	19.63	19.50	19.48	5.0	20.5
		12	13	19.62	19.41	19.51	5.0	20.5
		25	0	19.57	19.47	19.45	5.0	20.5
		1	0	24.56	24.41	24.44	0.0	25.5
		1	8	24.64	24.45	24.64	0.0	25.5
	16QAM	1	14	24.50	24.38	23.84	0.0	25.5
		8	0	23.55	23.35	23.47	1.0	24.5
		8	4	23.57	23.45	23.46	1.0	24.5
		8	7	23.58	23.45	23.52	1.0	24.5
		15	0	23.60	23.44	23.48	1.0	24.5
		1	0	23.91	23.56	23.83	1.0	24.5
	64QAM	1	8	23.86	23.67	23.90	1.0	24.5
		1	14	23.71	23.55	23.17	1.0	24.5
		8	0	22.70	22.40	22.51	2.0	23.5
		8	4	22.70	22.49	22.55	2.0	23.5
		8	7	22.68	22.46	22.62	2.0	23.5
		15	0	22.65	22.53	22.50	2.0	23.5
	256QAM	1	0	22.78	22.61	22.72	2.0	23.5
		1	8	22.83	22.77	22.77	2.0	23.5
		1	14	22.78	22.72	22.48	2.0	23.5
8		0	21.61	21.42	21.47	3.0	22.5	
8		4	21.64	21.50	21.47	3.0	22.5	
8		7	21.62	21.50	21.53	3.0	22.5	
256QAM	15	0	21.56	21.47	21.49	3.0	22.5	
	1	0	19.68	19.43	19.62	5.0	20.5	
	1	8	19.69	19.56	19.71	5.0	20.5	
	1	14	19.57	19.49	19.57	5.0	20.5	
	8	0	19.60	19.38	19.42	5.0	20.5	
	8	4	19.62	19.46	19.41	5.0	20.5	
256QAM	8	7	19.63	19.49	19.52	5.0	20.5	
	15	0	19.57	19.42	19.46	5.0	20.5	

LTE Band 26 (Ant D) Measured Results (Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				26697	26865	27033		
				814.7 MHz	831.5 MHz	848.3 MHz		
1.4 MHz	QPSK	1	0	24.5	24.4	23.9	0.0	25.5
		1	3	24.5	24.5	23.6	0.0	25.5
		1	5	24.4	24.4	23.1	0.0	25.5
		3	0	24.5	24.4	23.7	0.0	25.5
		3	1	24.4	24.4	23.5	0.0	25.5
		3	3	24.4	24.4	23.4	0.0	25.5
	16QAM	6	0	23.1	22.9	22.7	1.0	24.5
		1	0	23.7	23.6	23.1	1.0	24.5
		1	3	23.7	23.6	22.8	1.0	24.5
		1	5	23.6	23.5	22.4	1.0	24.5
		3	0	23.6	23.4	22.9	1.0	24.5
		3	1	23.6	23.4	22.8	1.0	24.5
	64QAM	3	3	23.6	23.5	22.6	1.0	24.5
		6	0	22.6	22.5	21.8	2.0	23.5
		1	0	22.7	22.5	22.5	2.0	23.5
		1	3	22.8	22.5	22.2	2.0	23.5
		1	5	22.6	22.5	21.7	2.0	23.5
		3	0	22.6	22.4	22.1	2.0	23.5
	256QAM	3	1	22.6	22.4	22.0	2.0	23.5
		3	3	22.6	22.4	21.9	2.0	23.5
		6	0	21.5	21.4	21.0	3.0	22.5
		1	0	19.7	19.5	19.5	5.0	20.5
		1	3	19.7	19.5	19.4	5.0	20.5
		1	5	19.6	19.5	18.9	5.0	20.5
		3	0	19.6	19.4	19.5	5.0	20.5
		3	1	19.5	19.4	19.4	5.0	20.5
		3	3	19.6	19.4	19.2	5.0	20.5
		6	0	19.5	19.4	19.3	5.0	20.5

LTE Band 30 (Ant B) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)			
				DSI = 2, 3				DSI = 1				DSI = 0			
				Measured Pwr (dBm)		MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit
27710	2310 MHz	27710	2310 MHz	27710	2310 MHz										
10 MHz	QPSK	1	0	22.94	0.0	24.0	18.09	0.0	19.0	16.45	0.0	17.0			
		1	25	23.01	0.0	24.0	18.13	0.0	19.0	16.55	0.0	17.0			
		1	49	22.96	0.0	24.0	18.06	0.0	19.0	16.51	0.0	17.0			
		25	0	22.06	1.0	23.0	18.10	0.0	19.0	16.50	0.0	17.0			
		25	12	22.08	1.0	23.0	18.11	0.0	19.0	16.58	0.0	17.0			
		25	25	22.06	1.0	23.0	18.09	0.0	19.0	16.56	0.0	17.0			
		50	0	21.51	1.0	23.0	18.09	0.0	19.0	16.48	0.0	17.0			
	16QAM	1	0	22.23	1.0	23.0	18.38	0.0	19.0	16.78	0.0	17.0			
		1	25	22.20	1.0	23.0	18.39	0.0	19.0	16.94	0.0	17.0			
		1	49	22.08	1.0	23.0	18.40	0.0	19.0	16.86	0.0	17.0			
		25	0	21.12	2.0	22.0	18.11	0.0	19.0	16.49	0.0	17.0			
		25	12	21.13	2.0	22.0	18.14	0.0	19.0	16.54	0.0	17.0			
		25	25	21.09	2.0	22.0	18.14	0.0	19.0	16.60	0.0	17.0			
		50	0	21.10	2.0	22.0	18.14	0.0	19.0	16.51	0.0	17.0			
	64QAM	1	0	21.30	2.0	22.0	18.23	0.0	19.0	16.60	0.0	17.0			
		1	25	21.29	2.0	22.0	18.32	0.0	19.0	16.73	0.0	17.0			
		1	49	21.23	2.0	22.0	18.21	0.0	19.0	16.69	0.0	17.0			
		25	0	20.13	3.0	21.0	18.12	0.0	19.0	16.49	0.0	17.0			
		25	12	20.10	3.0	21.0	18.17	0.0	19.0	16.55	0.0	17.0			
		25	25	20.10	3.0	21.0	18.15	0.0	19.0	16.61	0.0	17.0			
		50	0	20.08	3.0	21.0	18.13	0.0	19.0	16.49	0.0	17.0			
	256QAM	1	0	18.13	5.0	19.0	18.27	0.0	19.0	16.52	0.0	17.0			
		1	25	18.21	5.0	19.0	18.33	0.0	19.0	16.68	0.0	17.0			
		1	49	18.01	5.0	19.0	18.21	0.0	19.0	16.59	0.0	17.0			
		25	0	18.07	5.0	19.0	18.14	0.0	19.0	16.50	0.0	17.0			
25		12	18.06	5.0	19.0	18.16	0.0	19.0	16.55	0.0	17.0				
25		25	18.05	5.0	19.0	18.14	0.0	19.0	16.58	0.0	17.0				
50		0	18.04	5.0	19.0	18.11	0.0	19.0	16.47	0.0	17.0				
5 MHz	QPSK	1	0	23.33	0.0	24.0	18.16	0.0	19.0	16.52	0.0	17.0			
		1	12	23.46	0.0	24.0	18.27	0.0	19.0	16.61	0.0	17.0			
		1	24	23.33	0.0	24.0	18.20	0.0	19.0	16.53	0.0	17.0			
		12	0	22.41	1.0	23.0	18.17	0.0	19.0	16.49	0.0	17.0			
		12	7	22.44	1.0	23.0	18.18	0.0	19.0	16.56	0.0	17.0			
		12	13	22.37	1.0	23.0	18.22	0.0	19.0	16.55	0.0	17.0			
		25	0	22.36	1.0	23.0	18.14	0.0	19.0	16.49	0.0	17.0			
	16QAM	1	0	22.83	1.0	23.0	18.56	0.0	19.0	16.82	0.0	17.0			
		1	12	22.93	1.0	23.0	18.63	0.0	19.0	16.93	0.0	17.0			
		1	24	22.84	1.0	23.0	18.62	0.0	19.0	16.88	0.0	17.0			
		12	0	21.39	2.0	22.0	18.20	0.0	19.0	16.59	0.0	17.0			
		12	7	21.41	2.0	22.0	18.27	0.0	19.0	16.62	0.0	17.0			
		12	13	21.38	2.0	22.0	18.29	0.0	19.0	16.64	0.0	17.0			
		25	0	21.40	2.0	22.0	18.22	0.0	19.0	16.50	0.0	17.0			
	64QAM	1	0	21.50	2.0	22.0	18.34	0.0	19.0	16.82	0.0	17.0			
		1	12	21.59	2.0	22.0	18.50	0.0	19.0	16.98	0.0	17.0			
		1	24	21.53	2.0	22.0	18.38	0.0	19.0	16.83	0.0	17.0			
		12	0	20.39	3.0	21.0	18.23	0.0	19.0	16.53	0.0	17.0			
		12	7	20.41	3.0	21.0	18.25	0.0	19.0	16.55	0.0	17.0			
		12	13	20.34	3.0	21.0	18.28	0.0	19.0	16.58	0.0	17.0			
		25	0	20.34	3.0	21.0	18.20	0.0	19.0	16.51	0.0	17.0			
	256QAM	1	0	18.46	5.0	19.0	18.33	0.0	19.0	16.67	0.0	17.0			
		1	12	18.48	5.0	19.0	18.38	0.0	19.0	16.83	0.0	17.0			
		1	24	18.39	5.0	19.0	18.26	0.0	19.0	16.67	0.0	17.0			
		12	0	18.35	5.0	19.0	18.19	0.0	19.0	16.55	0.0	17.0			
12		7	18.37	5.0	19.0	18.25	0.0	19.0	16.58	0.0	17.0				
12		13	18.30	5.0	19.0	18.26	0.0	19.0	16.60	0.0	17.0				
25		0	18.30	5.0	19.0	18.16	0.0	19.0	16.51	0.0	17.0				

LTE Band 30 (Ant E) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			Maximum Allowed Average Power (dBm)			Maximum Allowed Average Power (dBm)			Maximum Allowed Average Power (dBm)			
				DSI = 2			DSI = 1			DSI = 0			DSI = 3			
				Measured Pwr (dBm)	MPR	Tune-up Limit	Measured Pwr (dBm)	MPR	Tune-up Limit	Measured Pwr (dBm)	MPR	Tune-up Limit	Measured Pwr (dBm)	MPR	Tune-up Limit	
10 MHz	QPSK	1	0	22.53	0.0	24.0	20.78	0.0	22.0	18.87	0.0	20.0	20.46	0.0	21.5	
		1	25	22.59	0.0	24.0	20.84	0.0	22.0	18.90	0.0	20.0	20.48	0.0	21.5	
		1	49	22.55	0.0	24.0	20.67	0.0	22.0	18.81	0.0	20.0	20.34	0.0	21.5	
		25	0	21.56	1.0	23.0	20.80	0.0	22.0	18.87	0.0	20.0	20.45	0.0	21.5	
		25	12	21.64	1.0	23.0	20.83	0.0	22.0	18.89	0.0	20.0	20.42	0.0	21.5	
		25	25	21.63	1.0	23.0	20.82	0.0	22.0	18.83	0.0	20.0	20.39	0.0	21.5	
	16QAM	50	0	21.17	1.0	23.0	20.80	0.0	22.0	18.83	0.0	20.0	20.41	0.0	21.5	
		1	0	21.91	1.0	23.0	21.09	0.0	22.0	19.29	0.0	20.0	20.71	0.0	21.5	
		1	25	21.94	1.0	23.0	21.12	0.0	22.0	19.32	0.0	20.0	20.75	0.0	21.5	
		1	49	21.81	1.0	23.0	20.94	0.0	22.0	19.17	0.0	20.0	20.66	0.0	21.5	
		25	0	20.63	2.0	22.0	20.86	0.0	22.0	18.93	0.0	20.0	20.45	0.0	21.5	
		25	12	20.63	2.0	22.0	20.85	0.0	22.0	18.95	0.0	20.0	20.48	0.0	21.5	
	64QAM	25	25	20.70	2.0	22.0	20.75	0.0	22.0	18.89	0.0	20.0	20.47	0.0	21.5	
		50	0	20.69	2.0	22.0	20.80	0.0	22.0	18.89	0.0	20.0	20.45	0.0	21.5	
		1	0	20.71	2.0	22.0	20.98	0.0	22.0	19.14	0.0	20.0	20.69	0.0	21.5	
		1	25	20.81	2.0	22.0	21.01	0.0	22.0	19.13	0.0	20.0	20.79	0.0	21.5	
		1	49	20.77	2.0	22.0	20.89	0.0	22.0	19.06	0.0	20.0	20.56	0.0	21.5	
		25	0	19.62	3.0	21.0	20.04	1.0	21.0	18.93	0.0	20.0	19.70	0.0	21.5	
	256QAM	25	12	19.62	3.0	21.0	20.04	1.0	21.0	18.96	0.0	20.0	19.71	0.0	21.5	
		25	25	19.69	3.0	21.0	19.94	1.0	21.0	18.91	0.0	20.0	19.66	0.0	21.5	
		50	0	19.68	3.0	21.0	20.03	1.0	21.0	18.90	0.0	20.0	19.67	0.0	21.5	
		1	0	17.74	5.0	19.0	18.20	3.0	19.0	17.67	1.0	19.0	17.89	2.5	19.0	
		1	25	17.93	5.0	19.0	18.15	3.0	19.0	17.83	1.0	19.0	17.82	2.5	19.0	
		1	49	17.83	5.0	19.0	17.92	3.0	19.0	17.55	1.0	19.0	17.61	2.5	19.0	
	5 MHz	QPSK	25	0	17.63	5.0	19.0	18.10	3.0	19.0	17.65	1.0	19.0	17.68	2.5	19.0
			25	12	17.65	5.0	19.0	18.08	3.0	19.0	17.67	1.0	19.0	17.70	2.5	19.0
			25	25	17.72	5.0	19.0	17.95	3.0	19.0	17.62	1.0	19.0	17.66	2.5	19.0
			50	0	17.70	5.0	19.0	18.04	3.0	19.0	17.59	1.0	19.0	17.68	2.5	19.0
			1	0	22.80	0.0	24.0	20.58	0.0	22.0	18.90	0.0	20.0	20.47	0.0	21.5
			1	12	22.84	0.0	24.0	20.57	0.0	22.0	18.97	0.0	20.0	20.52	0.0	21.5
		16QAM	1	24	22.78	0.0	24.0	20.64	0.0	22.0	18.87	0.0	20.0	20.43	0.0	21.5
			12	0	21.77	1.0	23.0	20.55	0.0	22.0	18.89	0.0	20.0	20.45	0.0	21.5
			12	7	21.76	1.0	23.0	20.63	0.0	22.0	18.91	0.0	20.0	20.46	0.0	21.5
			12	13	21.81	1.0	23.0	20.52	0.0	22.0	18.85	0.0	20.0	20.40	0.0	21.5
			25	0	21.79	1.0	23.0	20.54	0.0	22.0	18.85	0.0	20.0	20.41	0.0	21.5
			1	0	22.01	1.0	23.0	20.79	0.0	22.0	19.38	0.0	20.0	20.96	0.0	21.5
64QAM		1	12	22.08	1.0	23.0	20.78	0.0	22.0	19.42	0.0	20.0	21.03	0.0	21.5	
		1	24	22.01	1.0	23.0	20.76	0.0	22.0	19.35	0.0	20.0	20.95	0.0	21.5	
		12	0	20.71	2.0	22.0	20.68	0.0	22.0	18.98	0.0	20.0	20.54	0.0	21.5	
		12	7	20.75	2.0	22.0	20.63	0.0	22.0	19.02	0.0	20.0	20.58	0.0	21.5	
		12	13	20.77	2.0	22.0	20.51	0.0	22.0	18.95	0.0	20.0	20.51	0.0	21.5	
		25	0	20.81	2.0	22.0	20.61	0.0	22.0	18.89	0.0	20.0	20.46	0.0	21.5	
256QAM		1	0	21.01	2.0	22.0	20.85	0.0	22.0	19.34	0.0	20.0	20.91	0.0	21.5	
		1	12	21.02	2.0	22.0	20.98	0.0	22.0	19.42	0.0	20.0	20.87	0.0	21.5	
		1	24	21.01	2.0	22.0	20.77	0.0	22.0	19.28	0.0	20.0	20.84	0.0	21.5	
		12	0	19.81	3.0	21.0	19.93	1.0	21.0	18.95	0.0	20.0	19.73	0.0	21.5	
		12	7	19.87	3.0	21.0	19.86	1.0	21.0	19.01	0.0	20.0	19.75	0.0	21.5	
		12	13	19.81	3.0	21.0	19.79	1.0	21.0	18.92	0.0	20.0	19.66	0.0	21.5	
QPSK		25	0	19.84	3.0	21.0	19.80	1.0	21.0	18.89	0.0	20.0	19.68	0.0	21.5	
		1	0	17.90	5.0	19.0	18.05	3.0	19.0	17.73	1.0	19.0	17.84	2.5	19.0	
		1	12	17.92	5.0	19.0	18.09	3.0	19.0	17.89	1.0	19.0	17.99	2.5	19.0	
		1	24	17.81	5.0	19.0	17.83	3.0	19.0	17.62	1.0	19.0	17.82	2.5	19.0	
		12	0	17.77	5.0	19.0	17.93	3.0	19.0	17.65	1.0	19.0	17.74	2.5	19.0	
		12	7	17.83	5.0	19.0	17.86	3.0	19.0	17.70	1.0	19.0	17.76	2.5	19.0	
16QAM		12	13	17.85	5.0	19.0	17.80	3.0	19.0	17.63	1.0	19.0	17.68	2.5	19.0	
		25	0	17.84	5.0	19.0	17.84	3.0	19.0	17.60	1.0	19.0	17.67	2.5	19.0	

LTE Band 41 (Ant B) Measured Results

Table with columns: BW (MHz), Mode, RB Allocation, RB offset, Maximum Allowed Average Power (dBm) for DSI = 2, 3, DSI = 1, and DSI = 0. It includes multiple rows of test data for different modulation schemes (QPSK, 16QAM, 64QAM, 256QAM) and bandwidths (20 MHz, 15 MHz).

LTE Band 41 (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	Measured Pwr (dBm)					MPR	Tune-up Limit	
				39750	40185	40620	41055	41490			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			2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz			
10 MHz	QPSK	1	0	24.35	24.22	24.17	24.20	23.95	0.0	25.0	20.43	20.32	20.38	20.44	20.28	0.0	21.0	17.53	17.52	17.59	17.65	17.43	0.0	18.0	
		1	25	24.29	23.98	24.25	24.22	24.07	0.0	25.0	20.50	20.36	20.40	20.46	20.33	0.0	21.0	17.58	17.58	17.64	17.64	17.46	0.0	18.0	
		1	49	24.29	23.90	24.13	24.13	23.99	0.0	25.0	20.46	20.20	20.32	20.33	20.23	0.0	21.0	17.52	17.45	17.52	17.53	17.35	0.0	18.0	
		25	0	23.44	23.21	23.18	23.15	23.00	1.0	24.0	20.54	20.37	20.37	20.43	20.31	0.0	21.0	17.59	17.55	17.57	17.63	17.41	0.0	18.0	
		25	12	23.30	23.22	23.26	23.15	23.04	1.0	24.0	20.56	20.42	20.42	20.50	20.37	0.0	21.0	17.62	17.60	17.66	17.68	17.52	0.0	18.0	
		25	25	23.29	23.17	23.21	23.18	23.03	1.0	24.0	20.53	20.35	20.38	20.45	20.33	0.0	21.0	17.63	17.58	17.63	17.65	17.47	0.0	18.0	
	16QAM	50	0	23.44	23.17	23.21	23.18	22.95	1.0	24.0	20.51	20.35	20.41	20.39	20.26	0.0	21.0	17.62	17.56	17.63	17.61	17.38	0.0	18.0	
		1	0	23.77	23.52	23.39	23.46	23.39	1.0	24.0	20.54	20.26	20.39	20.57	20.17	0.0	21.0	17.61	17.37	17.65	17.70	17.32	0.0	18.0	
		1	25	23.16	23.58	23.58	23.62	23.30	1.0	24.0	20.61	20.31	20.42	20.53	20.23	0.0	21.0	17.65	17.50	17.58	17.79	17.36	0.0	18.0	
		1	49	23.41	23.09	23.43	23.53	23.08	1.0	24.0	20.51	20.17	20.33	20.42	20.11	0.0	21.0	17.64	17.38	17.54	17.60	17.36	0.0	18.0	
		25	0	22.41	22.24	22.16	22.15	22.03	2.0	23.0	20.52	20.36	20.38	20.44	20.29	0.0	21.0	17.64	17.61	17.56	17.62	17.42	0.0	18.0	
		25	12	22.43	22.23	22.28	22.15	22.03	2.0	23.0	20.55	20.41	20.47	20.48	20.37	0.0	21.0	17.66	17.64	17.67	17.69	17.54	0.0	18.0	
		25	25	22.39	22.19	22.21	22.18	22.13	2.0	23.0	20.55	20.37	20.41	20.44	20.32	0.0	21.0	17.67	17.61	17.64	17.64	17.51	0.0	18.0	
		50	0	22.44	22.15	22.24	22.27	22.05	2.0	23.0	20.53	20.40	20.42	20.40	20.27	0.0	21.0	17.64	17.58	17.62	17.56	17.43	0.0	18.0	
		64QAM	1	0	22.24	22.30	22.32	22.34	22.32	2.0	23.0	20.55	20.35	20.42	20.44	20.37	0.0	21.0	17.46	17.56	17.65	17.71	17.52	0.0	18.0
			1	25	22.36	22.35	22.29	22.30	22.41	2.0	23.0	20.58	20.40	20.40	20.53	20.42	0.0	21.0	17.62	17.60	17.71	17.69	17.53	0.0	18.0
			1	49	22.40	22.41	22.16	22.24	22.27	2.0	23.0	20.50	20.23	20.34	20.39	20.26	0.0	21.0	17.56	17.51	17.56	17.54	17.48	0.0	18.0
			25	0	21.26	21.26	21.24	21.26	21.26	3.0	22.0	20.55	20.39	20.41	20.46	20.32	0.0	21.0	17.65	17.58	17.63	17.66	17.48	0.0	18.0
	25		12	21.23	21.34	21.30	21.30	21.24	3.0	22.0	20.57	20.41	20.47	20.53	20.43	0.0	21.0	17.69	17.61	17.71	17.75	17.59	0.0	18.0	
	25		25	21.16	21.26	21.19	21.21	21.16	3.0	22.0	20.53	20.39	20.41	20.45	20.38	0.0	21.0	17.69	17.62	17.66	17.69	17.53	0.0	18.0	
	256QAM	50	0	21.27	21.22	21.11	21.16	21.20	3.0	22.0	20.56	20.40	20.42	20.39	20.32	0.0	21.0	17.66	17.64	17.68	17.65	17.45	0.0	18.0	
		1	0	19.29	19.23	19.42	19.44	19.17	5.0	20.0	19.17	19.09	19.02	19.19	19.05	1.0	20.0	17.54	17.54	17.53	17.62	17.45	0.0	18.0	
		1	25	19.53	19.18	19.32	19.22	19.32	5.0	20.0	19.33	19.18	19.09	19.25	19.12	1.0	20.0	17.65	17.61	17.62	17.71	17.46	0.0	18.0	
		1	49	19.22	19.33	19.41	19.25	19.28	5.0	20.0	19.14	18.98	18.94	19.11	19.04	1.0	20.0	17.60	17.45	17.56	17.56	17.42	0.0	18.0	
		25	0	19.33	19.19	19.18	19.20	18.95	5.0	20.0	19.33	19.22	19.20	19.27	19.13	1.0	20.0	17.68	17.65	17.63	17.67	17.52	0.0	18.0	
		25	12	19.31	19.22	19.30	19.27	19.09	5.0	20.0	19.35	19.23	19.26	19.33	19.21	1.0	20.0	17.73	17.68	17.62	17.72	17.56	0.0	18.0	
		25	25	19.33	19.22	19.20	19.25	19.08	5.0	20.0	19.35	19.19	19.20	19.28	19.19	1.0	20.0	17.70	17.69	17.69	17.70	17.57	0.0	18.0	
		50	0	19.30	19.17	19.24	19.18	19.02	5.0	20.0	19.36	19.20	19.22	19.23	19.10	1.0	20.0	17.69	17.68	17.67	17.67	17.49	0.0	18.0	

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 =3	QPSK	20	41055	2636.5	1/0	26.50	25.93
DSI =1	QPSK	20	41055	2636.5	50/0	22.60	21.99
DSI =0	QPSK	20	41490	2680.0	50/50	19.60	19.10

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 (Ant E) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)						
				DSI = 0, 1						
				Measured Pwr (dBm)					MPR	Tune-up Limit
				39750	40185	40620	41055	41490		
2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz						
20 MHz	QPSK	1	0	20.80	20.69	20.89	21.18	20.83	0.0	21.5
		1	49	20.84	20.70	20.91	21.13	20.78	0.0	21.5
		1	99	20.78	20.64	20.88	20.89	20.58	0.0	21.5
		50	0	20.86	20.63	20.90	21.17	20.86	0.0	21.5
		50	24	20.80	20.64	21.01	21.13	20.82	0.0	21.5
		50	50	20.75	20.70	20.94	20.97	20.65	0.0	21.5
	16QAM	100	0	20.75	20.62	20.98	21.10	20.80	0.0	21.5
		1	0	20.99	20.73	20.94	21.37	20.91	0.0	21.5
		1	49	21.02	20.78	21.03	21.30	20.87	0.0	21.5
		1	99	20.99	20.75	20.97	21.07	20.62	0.0	21.5
		50	0	20.88	20.68	20.98	21.22	20.88	0.0	21.5
		50	24	20.80	20.67	21.03	21.16	20.82	0.0	21.5
	64QAM	50	50	20.78	20.72	20.97	20.99	20.68	0.0	21.5
		100	0	20.80	20.65	21.00	21.13	20.82	0.0	21.5
		1	0	20.79	20.79	20.88	21.13	20.95	0.0	21.5
		1	49	20.90	20.87	20.93	21.03	20.93	0.0	21.5
		1	99	20.77	20.85	20.88	20.86	20.73	0.0	21.5
		50	0	20.90	20.71	20.98	21.25	20.90	0.0	21.5
	256QAM	50	24	20.83	20.71	21.02	21.19	20.89	0.0	21.5
		50	50	20.82	20.75	20.96	21.02	20.71	0.0	21.5
		100	0	20.81	20.69	21.00	21.18	20.85	0.0	21.5
		1	0	19.30	19.05	19.42	19.85	19.38	1.5	20.0
		1	49	19.41	19.22	19.43	19.70	19.26	1.5	20.0
		1	99	19.25	19.12	19.46	19.45	19.04	1.5	20.0
15 MHz	QPSK	50	0	19.38	19.20	19.46	19.73	19.42	1.5	20.0
		50	24	19.35	19.22	19.54	19.70	19.38	1.5	20.0
		50	50	19.31	19.25	19.47	19.54	19.22	1.5	20.0
		100	0	19.30	19.17	19.51	19.64	19.37	1.5	20.0
		1	0	20.69	20.56	20.97	21.24	20.95	0.0	21.5
		1	37	20.73	20.67	20.96	21.15	20.92	0.0	21.5
	16QAM	1	74	20.72	20.57	20.93	21.05	20.74	0.0	21.5
		36	0	20.71	20.57	20.94	21.23	20.95	0.0	21.5
		36	20	20.67	20.60	20.99	21.19	20.92	0.0	21.5
		36	39	20.68	20.64	20.96	21.13	20.79	0.0	21.5
		75	0	20.62	20.56	20.96	21.14	20.90	0.0	21.5
		1	0	20.60	20.54	20.88	21.18	20.96	0.0	21.5
	64QAM	1	37	20.70	20.65	20.94	21.14	20.97	0.0	21.5
		1	74	20.61	20.65	20.83	21.01	20.72	0.0	21.5
		36	0	20.77	20.61	20.97	21.24	20.98	0.0	21.5
		36	20	20.72	20.62	21.05	21.25	20.95	0.0	21.5
		36	39	20.73	20.67	20.99	21.17	20.80	0.0	21.5
		75	0	20.67	20.58	21.00	21.21	20.94	0.0	21.5
	256QAM	1	0	20.82	20.56	21.02	21.27	20.99	0.0	21.5
		1	37	20.84	20.67	21.08	21.19	20.93	0.0	21.5
		1	74	20.72	20.68	21.03	21.02	20.76	0.0	21.5
		36	0	20.77	20.63	21.01	21.34	21.04	0.0	21.5
		36	20	20.72	20.69	21.06	21.31	21.01	0.0	21.5
		36	39	20.75	20.73	21.08	21.27	20.86	0.0	21.5
256QAM	75	0	20.70	20.62	21.06	21.27	21.00	0.0	21.5	
	1	0	19.17	19.02	19.40	19.87	19.51	1.5	20.0	
	1	37	19.26	19.20	19.40	19.73	19.40	1.5	20.0	
	1	74	19.16	19.15	19.45	19.58	19.27	1.5	20.0	
	36	0	19.25	19.15	19.50	19.81	19.52	1.5	20.0	
	36	20	19.22	19.17	19.60	19.80	19.52	1.5	20.0	
256QAM	36	39	19.21	19.24	19.54	19.75	19.38	1.5	20.0	
	75	0	19.19	19.14	19.56	19.79	19.51	1.5	20.0	

LTE Band 41 (Ant E) Measured Results (Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit
				39750	40185	40620	41055	41490		
				2506 MHz	2549.5 MHz	2593 MHz	2636.5 MHz	2680 MHz		
10 MHz	QPSK	1	0	20.69	20.57	21.02	21.28	20.98	0.0	21.5
		1	25	20.76	20.68	21.02	21.23	20.97	0.0	21.5
		1	49	20.72	20.60	20.99	21.06	20.79	0.0	21.5
		25	0	20.76	20.59	21.01	21.29	21.03	0.0	21.5
		25	12	20.70	20.64	21.10	21.27	21.02	0.0	21.5
		25	25	20.69	20.67	21.07	21.22	20.98	0.0	21.5
	16QAM	50	0	20.68	20.62	21.04	21.25	20.98	0.0	21.5
		1	0	20.58	20.60	20.90	21.28	21.09	0.0	21.5
		1	25	20.83	20.82	20.95	21.21	21.07	0.0	21.5
		1	49	20.72	20.64	20.93	21.10	20.76	0.0	21.5
		25	0	20.77	20.64	21.03	21.34	21.04	0.0	21.5
		25	12	20.72	20.63	21.10	21.30	21.02	0.0	21.5
	64QAM	25	25	20.71	20.71	21.11	21.27	20.99	0.0	21.5
		50	0	20.69	20.64	21.09	21.27	21.01	0.0	21.5
		1	0	20.72	20.55	21.07	21.43	20.98	0.0	21.5
		1	25	20.84	20.76	21.17	21.25	20.98	0.0	21.5
		1	49	20.82	20.73	21.06	21.20	20.87	0.0	21.5
		25	0	20.80	20.63	21.05	21.40	21.07	0.0	21.5
	256QAM	25	12	20.73	20.67	21.11	21.37	21.09	0.0	21.5
		25	25	20.74	20.74	21.09	21.30	21.03	0.0	21.5
		50	0	20.74	20.66	21.10	21.35	21.07	0.0	21.5
		1	0	19.22	19.23	19.42	19.68	19.53	1.5	20.0
		1	25	19.30	19.33	19.42	19.71	19.51	1.5	20.0
		1	49	19.16	19.16	19.47	19.58	19.31	1.5	20.0
	5 MHz	QPSK	25	0	19.33	19.19	19.56	19.88	19.58	1.5
25			12	19.22	19.17	19.64	19.86	19.57	1.5	20.0
25			25	19.23	19.28	19.60	19.80	19.54	1.5	20.0
50			0	19.22	19.16	19.59	19.84	19.57	1.5	20.0
1			0	20.67	20.62	20.97	21.15	20.89	0.0	21.5
1			12	20.72	20.69	21.08	21.17	20.96	0.0	21.5
16QAM	QPSK	1	24	20.66	20.63	20.96	21.13	20.82	0.0	21.5
		12	0	20.71	20.62	20.97	21.24	20.98	0.0	21.5
		12	7	20.78	20.60	21.05	21.24	20.98	0.0	21.5
		12	13	20.46	20.66	21.03	21.23	20.97	0.0	21.5
		25	0	20.52	20.60	21.02	21.20	20.92	0.0	21.5
		1	0	20.69	20.61	21.04	21.17	20.93	0.0	21.5
64QAM	16QAM	1	12	20.73	20.70	21.08	21.22	20.99	0.0	21.5
		1	24	20.69	20.56	21.04	21.14	20.83	0.0	21.5
		12	0	20.58	20.69	20.99	21.24	20.95	0.0	21.5
		12	7	20.62	20.70	21.07	21.25	21.03	0.0	21.5
		12	13	20.59	20.70	21.08	21.22	20.99	0.0	21.5
		25	0	20.67	20.60	21.06	21.27	20.92	0.0	21.5
256QAM	64QAM	1	0	20.71	20.67	20.91	21.25	20.94	0.0	21.5
		1	12	20.78	20.75	21.04	21.32	20.95	0.0	21.5
		1	24	20.73	20.74	20.96	21.19	20.91	0.0	21.5
		12	0	20.76	20.66	21.01	21.34	21.04	0.0	21.5
		12	7	20.78	20.69	21.10	21.32	21.05	0.0	21.5
		12	13	20.68	20.75	21.06	21.29	21.02	0.0	21.5
256QAM	256QAM	25	0	20.71	20.66	21.09	21.32	21.03	0.0	21.5
		1	0	19.27	19.11	19.43	19.78	19.53	1.5	20.0
		1	12	19.36	19.28	19.54	19.86	19.59	1.5	20.0
		1	24	19.16	19.12	19.44	19.71	19.46	1.5	20.0
		12	0	19.28	19.17	19.51	19.82	19.58	1.5	20.0
		12	7	19.33	19.20	19.62	19.83	19.58	1.5	20.0
		12	13	19.23	19.22	19.57	19.79	19.53	1.5	20.0
		25	0	19.22	19.15	19.57	19.79	19.53	1.5	20.0

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

DSI	Modulation	BW (MHz)	Channel	Freq. (MHz)	RB/Offset	Output Power (dBm)	
						Tune-up Limit	Meas. Power
DSI=1	QPSK	20	41055	2636.5	1/0	23.10	23.01
DSI=0	QPSK	20	41490	2680.0	1/0	23.10	22.78
DSI=0	QPSK	20	40185	2549.5	50/0	23.10	22.67

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 66 (Ant B) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)					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 1720 MHz	132322 1745 MHz	132572 1770 MHz			132047 1717.5 MHz	132322 1745 MHz	132597 1772.5 MHz		
20 MHz	QPSK	1	0	23.86	23.66	24.02	0.0	25.0	18.96	18.87	19.07	0.0	20.0
		1	49	23.89	23.67	23.98	0.0	25.0	18.92	18.86	19.05	0.0	20.0
		1	99	23.73	23.69	23.98	0.0	25.0	18.84	18.84	18.96	0.0	20.0
		50	0	22.95	22.71	23.01	1.0	24.0	19.01	18.93	19.09	0.0	20.0
		50	24	22.85	22.69	22.99	1.0	24.0	18.96	18.88	19.06	0.0	20.0
		50	50	22.79	22.70	23.00	1.0	24.0	19.00	18.90	19.07	0.0	20.0
	100	0	22.84	22.70	22.98	1.0	24.0	18.99	18.90	19.10	0.0	20.0	
	16QAM	1	0	23.33	23.02	23.11	1.0	24.0	19.18	19.23	19.37	0.0	20.0
		1	49	23.33	23.05	23.25	1.0	24.0	19.29	19.26	19.42	0.0	20.0
		1	99	23.21	23.03	23.23	1.0	24.0	19.13	19.24	19.46	0.0	20.0
		50	0	21.97	21.77	21.92	2.0	23.0	18.95	18.89	19.06	0.0	20.0
		50	24	21.88	21.76	22.05	2.0	23.0	19.05	18.95	19.11	0.0	20.0
		50	50	21.83	21.75	22.05	2.0	23.0	18.97	18.90	19.09	0.0	20.0
	100	0	21.86	21.75	22.02	2.0	23.0	19.00	18.92	19.11	0.0	20.0	
	64QAM	1	0	22.19	21.90	22.01	2.0	23.0	19.11	19.09	19.13	0.0	20.0
		1	49	22.22	21.91	22.11	2.0	23.0	19.16	19.11	19.21	0.0	20.0
		1	99	22.07	21.93	22.19	2.0	23.0	19.07	19.06	19.23	0.0	20.0
		50	0	20.95	20.73	20.91	3.0	22.0	18.94	18.90	18.98	0.0	20.0
		50	24	20.87	20.74	21.04	3.0	22.0	19.04	18.96	19.10	0.0	20.0
		50	50	20.84	20.70	21.03	3.0	22.0	18.97	18.93	19.06	0.0	20.0
	100	0	20.88	20.68	21.01	3.0	22.0	18.99	18.93	19.09	0.0	20.0	
	256QAM	1	0	19.05	18.79	18.93	5.0	20.0	19.04	18.85	19.11	0.0	20.0
		1	49	19.03	18.76	19.20	5.0	20.0	19.16	18.96	19.26	0.0	20.0
		1	99	18.83	18.81	19.19	5.0	20.0	19.01	18.90	19.25	0.0	20.0
50		0	18.92	18.72	18.90	5.0	20.0	18.94	18.89	19.01	0.0	20.0	
50		24	18.87	18.70	19.02	5.0	20.0	19.03	18.94	19.10	0.0	20.0	
50		50	18.80	18.68	19.00	5.0	20.0	18.95	18.89	19.08	0.0	20.0	
100	0	18.83	18.68	18.99	5.0	20.0	18.98	18.93	19.09	0.0	20.0		
15 MHz	QPSK	1	0	23.95	23.82	23.90	0.0	25.0	19.18	18.96	19.09	0.0	20.0
		1	37	23.90	23.74	23.91	0.0	25.0	19.08	18.86	19.19	0.0	20.0
		1	74	23.81	23.75	23.98	0.0	25.0	18.97	18.86	19.22	0.0	20.0
		36	0	22.84	22.72	22.97	1.0	24.0	19.10	18.85	19.09	0.0	20.0
		36	20	22.92	22.76	22.96	1.0	24.0	19.15	18.91	19.11	0.0	20.0
		36	39	22.87	22.76	23.02	1.0	24.0	19.11	18.90	19.19	0.0	20.0
	75	0	22.90	22.77	22.95	1.0	24.0	19.12	18.91	19.11	0.0	20.0	
	16QAM	1	0	23.23	23.04	23.25	1.0	24.0	19.41	19.26	19.41	0.0	20.0
		1	37	23.21	22.99	23.30	1.0	24.0	19.34	19.20	19.48	0.0	20.0
		1	74	23.12	22.96	23.26	1.0	24.0	19.21	19.23	19.49	0.0	20.0
		36	0	21.92	21.76	22.03	2.0	23.0	19.11	18.92	19.15	0.0	20.0
		36	20	21.98	21.83	22.03	2.0	23.0	19.16	18.96	19.17	0.0	20.0
		36	39	21.94	21.79	22.09	2.0	23.0	19.13	18.95	19.25	0.0	20.0
	75	0	21.92	21.81	22.01	2.0	23.0	19.12	18.97	19.14	0.0	20.0	
	64QAM	1	0	22.19	21.98	22.10	2.0	23.0	19.29	19.03	19.25	0.0	20.0
		1	37	22.13	21.94	22.17	2.0	23.0	19.26	19.02	19.41	0.0	20.0
		1	74	22.01	21.93	22.18	2.0	23.0	19.13	18.98	19.40	0.0	20.0
		36	0	20.88	20.74	21.01	3.0	22.0	19.09	18.86	19.12	0.0	20.0
		36	20	20.94	20.80	21.01	3.0	22.0	19.16	18.93	19.14	0.0	20.0
		36	39	20.93	20.78	21.08	3.0	22.0	19.11	18.91	19.20	0.0	20.0
	75	0	20.93	20.78	20.99	3.0	22.0	19.15	18.91	19.12	0.0	20.0	
	256QAM	1	0	18.96	18.78	19.14	5.0	20.0	19.27	19.12	19.21	0.0	20.0
		1	37	18.99	18.77	19.23	5.0	20.0	19.28	19.05	19.30	0.0	20.0
		1	74	18.89	18.76	19.18	5.0	20.0	19.16	19.08	19.34	0.0	20.0
36		0	18.85	18.70	18.98	5.0	20.0	19.10	18.88	19.12	0.0	20.0	
36		20	18.93	18.78	18.98	5.0	20.0	19.18	18.94	19.14	0.0	20.0	
36		39	18.89	18.75	19.04	5.0	20.0	19.13	18.88	19.21	0.0	20.0	
75	0	18.91	18.77	18.96	5.0	20.0	19.15	18.92	19.14	0.0	20.0		

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	132322	132622			132022	132322	132622		
				1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	23.82	23.72	23.96	0.0	25.0	19.14	18.87	19.14	0.0	20.0
		1	25	23.95	23.80	24.02	0.0	25.0	19.19	18.93	19.22	0.0	20.0
		1	49	23.81	23.67	23.97	0.0	25.0	19.05	18.82	19.16	0.0	20.0
		25	0	22.93	22.72	23.07	1.0	24.0	19.20	18.85	19.15	0.0	20.0
		25	12	22.96	22.81	23.06	1.0	24.0	19.20	18.91	19.21	0.0	20.0
		25	25	22.94	22.80	23.12	1.0	24.0	19.18	18.92	19.25	0.0	20.0
		50	0	21.92	21.78	22.03	1.0	24.0	19.17	18.94	19.17	0.0	20.0
	16QAM	1	0	23.18	22.92	23.24	1.0	24.0	19.52	19.12	19.50	0.0	20.0
		1	25	23.24	22.96	23.37	1.0	24.0	19.58	19.15	19.55	0.0	20.0
		1	49	23.11	22.82	23.25	1.0	24.0	19.37	19.03	19.42	0.0	20.0
		25	0	21.95	21.77	22.08	2.0	23.0	19.29	18.92	19.18	0.0	20.0
		25	12	21.95	21.85	22.12	2.0	23.0	19.24	19.00	19.22	0.0	20.0
		25	25	21.95	21.82	22.18	2.0	23.0	19.20	18.96	19.29	0.0	20.0
		50	0	21.97	21.82	22.06	2.0	23.0	19.22	18.97	19.21	0.0	20.0
	64QAM	1	0	22.07	21.95	22.24	2.0	23.0	19.38	18.98	19.31	0.0	20.0
		1	25	22.17	21.96	22.30	2.0	23.0	19.41	19.07	19.40	0.0	20.0
		1	49	22.02	21.84	22.15	2.0	23.0	19.29	18.97	19.33	0.0	20.0
		25	0	20.97	20.73	21.05	3.0	22.0	19.21	18.87	19.17	0.0	20.0
		25	12	20.97	20.84	21.05	3.0	22.0	19.20	18.98	19.20	0.0	20.0
		25	25	20.94	20.80	21.15	3.0	22.0	19.17	18.92	19.28	0.0	20.0
		50	0	20.96	20.82	21.07	3.0	22.0	19.18	18.92	19.16	0.0	20.0
	256QAM	1	0	18.98	18.84	19.10	5.0	20.0	19.23	18.98	19.33	0.0	20.0
		1	25	19.14	18.91	19.23	5.0	20.0	19.36	19.12	19.46	0.0	20.0
		1	49	18.99	18.83	19.11	5.0	20.0	19.23	18.97	19.34	0.0	20.0
		25	0	18.95	18.72	19.02	5.0	20.0	19.21	18.88	19.20	0.0	20.0
25		12	18.97	18.82	19.05	5.0	20.0	19.19	18.95	19.25	0.0	20.0	
25		25	18.94	18.79	19.12	5.0	20.0	19.17	18.93	19.31	0.0	20.0	
	50	0	18.96	18.77	19.04	5.0	20.0	19.17	18.93	19.19	0.0	20.0	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				131997	132322	132647			131997	132322	132647		
				1712.5 MHz	1745 MHz	1777.5 MHz			1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	24.14	23.82	24.21	0.0	25.0	19.16	18.93	19.22	0.0	20.0
		1	12	24.14	23.90	24.29	0.0	25.0	19.25	18.97	19.32	0.0	20.0
		1	24	24.09	23.85	24.09	0.0	25.0	19.13	18.85	19.22	0.0	20.0
		12	0	23.13	22.82	23.17	1.0	24.0	19.23	18.83	19.22	0.0	20.0
		12	7	23.17	22.85	23.23	1.0	24.0	19.23	18.96	19.32	0.0	20.0
		12	13	23.04	22.80	23.28	1.0	24.0	19.20	18.90	19.32	0.0	20.0
		25	0	23.11	22.81	23.17	1.0	24.0	19.17	18.92	19.26	0.0	20.0
	16QAM	1	0	23.37	23.00	23.32	1.0	24.0	19.59	19.19	19.70	0.0	20.0
		1	12	23.43	22.94	23.39	1.0	24.0	19.52	19.36	19.75	0.0	20.0
		1	24	23.30	22.94	23.30	1.0	24.0	19.47	19.22	19.68	0.0	20.0
		12	0	22.16	21.80	22.12	2.0	23.0	19.19	18.88	19.28	0.0	20.0
		12	7	22.17	21.88	22.18	2.0	23.0	19.23	18.98	19.38	0.0	20.0
		12	13	22.05	21.82	22.23	2.0	23.0	19.19	18.94	19.37	0.0	20.0
		25	0	22.15	21.85	22.18	2.0	23.0	19.20	18.92	19.32	0.0	20.0
	64QAM	1	0	22.25	21.90	22.37	2.0	23.0	19.22	19.06	19.36	0.0	20.0
		1	12	22.34	21.97	22.55	2.0	23.0	19.29	19.15	19.50	0.0	20.0
		1	24	22.15	21.89	22.47	2.0	23.0	19.21	19.04	19.40	0.0	20.0
		12	0	21.16	20.85	21.21	3.0	22.0	19.21	18.88	19.24	0.0	20.0
		12	7	21.23	20.91	21.27	3.0	22.0	19.29	18.99	19.35	0.0	20.0
		12	13	21.10	20.86	21.31	3.0	22.0	19.23	18.93	19.32	0.0	20.0
		25	0	21.14	20.83	21.17	3.0	22.0	19.23	18.92	19.32	0.0	20.0
	256QAM	1	0	19.27	18.99	19.31	5.0	20.0	19.39	18.94	19.39	0.0	20.0
		1	12	19.34	19.11	19.48	5.0	20.0	19.38	19.07	19.51	0.0	20.0
		1	24	19.09	19.03	19.41	5.0	20.0	19.19	18.95	19.44	0.0	20.0
		12	0	19.12	18.80	19.14	5.0	20.0	19.23	18.89	19.24	0.0	20.0
12		7	19.19	18.85	19.21	5.0	20.0	19.27	18.99	19.35	0.0	20.0	
12		13	19.06	18.85	19.26	5.0	20.0	19.21	18.93	19.34	0.0	20.0	
	25	0	19.13	18.79	19.17	5.0	20.0	19.20	18.92	19.29	0.0	20.0	

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	132322	132657			131987	132322	132657		
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	24.09	23.73	24.18	0.0	25.0	19.10	18.81	19.19	0.0	20.0
		1	8	24.14	23.85	24.36	0.0	25.0	19.21	18.95	19.30	0.0	20.0
		1	14	23.99	23.73	24.19	0.0	25.0	19.09	18.77	19.19	0.0	20.0
		8	0	23.12	22.83	23.17	1.0	24.0	19.21	18.92	19.21	0.0	20.0
		8	4	23.05	22.86	23.32	1.0	24.0	19.21	18.94	19.22	0.0	20.0
		8	7	23.03	22.85	23.30	1.0	24.0	19.19	18.92	19.31	0.0	20.0
		15	0	23.03	22.84	23.20	1.0	24.0	19.20	18.91	19.23	0.0	20.0
	16QAM	1	0	23.17	22.99	23.50	1.0	24.0	19.49	19.22	19.49	0.0	20.0
		1	8	23.17	23.01	23.62	1.0	24.0	19.53	19.40	19.66	0.0	20.0
		1	14	23.10	22.93	23.37	1.0	24.0	19.48	19.16	19.56	0.0	20.0
		8	0	22.18	21.89	22.29	2.0	23.0	19.30	19.02	19.33	0.0	20.0
		8	4	22.13	21.91	22.39	2.0	23.0	19.28	19.05	19.29	0.0	20.0
		8	7	22.11	21.90	22.40	2.0	23.0	19.25	19.03	19.41	0.0	20.0
		15	0	22.08	21.90	22.22	2.0	23.0	19.24	18.98	19.30	0.0	20.0
	64QAM	1	0	22.20	21.98	22.21	2.0	23.0	19.42	18.97	19.38	0.0	20.0
		1	8	22.40	22.14	22.47	2.0	23.0	19.51	19.08	19.54	0.0	20.0
		1	14	22.22	21.96	22.29	2.0	23.0	19.36	18.93	19.42	0.0	20.0
		8	0	21.19	20.83	21.19	3.0	22.0	19.24	18.94	19.25	0.0	20.0
		8	4	21.11	20.84	21.31	3.0	22.0	19.27	18.99	19.29	0.0	20.0
		8	7	21.14	20.85	21.30	3.0	22.0	19.25	18.97	19.38	0.0	20.0
		15	0	21.07	20.80	21.21	3.0	22.0	19.19	18.95	19.23	0.0	20.0
256QAM	1	0	19.23	18.91	19.22	5.0	20.0	19.23	18.98	19.21	0.0	20.0	
	1	8	19.38	18.98	19.50	5.0	20.0	19.42	19.14	19.52	0.0	20.0	
	1	14	19.12	18.91	19.30	5.0	20.0	19.22	18.93	19.31	0.0	20.0	
	8	0	19.20	18.82	19.17	5.0	20.0	19.23	18.92	19.29	0.0	20.0	
	8	4	19.12	18.84	19.27	5.0	20.0	19.26	18.98	19.35	0.0	20.0	
	8	7	19.12	18.80	19.29	5.0	20.0	19.25	18.94	19.41	0.0	20.0	
	15	0	19.09	18.79	19.16	5.0	20.0	19.23	18.92	19.25	0.0	20.0	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				131979	132322	132665			131979	132322	132665		
				1710.7 MHz	1745 MHz	1779.3 MHz			1710.7 MHz	1745 MHz	1779.3 MHz		
1.4 MHz	QPSK	1	0	24.07	23.78	24.20	0.0	25.0	19.14	18.80	19.20	0.0	20.0
		1	3	24.00	23.78	24.21	0.0	25.0	19.12	18.83	19.21	0.0	20.0
		1	5	24.04	23.74	24.22	0.0	25.0	19.10	18.79	19.20	0.0	20.0
		3	0	24.05	23.73	24.22	0.0	25.0	19.11	18.81	19.22	0.0	20.0
		3	1	24.05	23.73	24.17	0.0	25.0	19.09	18.79	19.22	0.0	20.0
		3	3	24.03	23.72	24.18	0.0	25.0	19.11	18.78	19.19	0.0	20.0
		6	0	23.05	22.75	23.21	1.0	24.0	19.14	18.84	19.23	0.0	20.0
	16QAM	1	0	23.20	22.93	23.28	1.0	24.0	19.40	19.10	19.58	0.0	20.0
		1	3	23.13	22.96	23.26	1.0	24.0	19.38	19.07	19.60	0.0	20.0
		1	5	23.13	22.91	23.32	1.0	24.0	19.38	18.99	19.58	0.0	20.0
		3	0	23.12	22.82	23.25	1.0	24.0	19.30	18.95	19.39	0.0	20.0
		3	1	23.16	22.83	23.24	1.0	24.0	19.29	19.00	19.41	0.0	20.0
		3	3	23.13	22.82	23.22	1.0	24.0	19.27	18.96	19.36	0.0	20.0
		6	0	22.09	21.79	22.19	2.0	23.0	19.24	18.96	19.30	0.0	20.0
	64QAM	1	0	22.42	21.89	22.39	2.0	23.0	19.32	19.06	19.48	0.0	20.0
		1	3	22.36	21.90	22.47	2.0	23.0	19.38	19.05	19.45	0.0	20.0
		1	5	22.35	21.85	22.41	2.0	23.0	19.34	18.99	19.51	0.0	20.0
		3	0	22.15	21.84	22.18	2.0	23.0	19.30	18.97	19.34	0.0	20.0
		3	1	22.16	21.86	22.20	2.0	23.0	19.31	18.95	19.36	0.0	20.0
		3	3	22.15	21.81	22.24	2.0	23.0	19.28	18.94	19.32	0.0	20.0
		6	0	21.15	20.83	21.29	3.0	22.0	19.27	18.88	19.24	0.0	20.0
256QAM	1	0	19.22	18.79	19.35	5.0	20.0	19.27	19.05	19.42	0.0	20.0	
	1	3	19.22	18.84	19.41	5.0	20.0	19.30	19.08	19.41	0.0	20.0	
	1	5	19.17	18.75	19.36	5.0	20.0	19.31	19.03	19.40	0.0	20.0	
	3	0	19.21	18.76	19.29	5.0	20.0	19.25	18.98	19.35	0.0	20.0	
	3	1	19.19	18.76	19.26	5.0	20.0	19.27	18.98	19.39	0.0	20.0	
	3	3	19.20	18.76	19.29	5.0	20.0	19.18	18.95	19.35	0.0	20.0	
	6	0	19.1	18.8	19.2	5.0	20.0	19.30	18.96	19.37	0.0	20.0	

LTE Band 66 (Ant E) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)					Maximum Allowed Average Power (dBm)				
				DSI = 0, 1					DSI = 2, 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				132072 1720 MHz	132322 1745 MHz	132572 1770 MHz			132047 1717.5 MHz	132322 1745 MHz	132597 1772.5 MHz		
20 MHz	QPSK	1	0	19.19	19.22	19.45	0.0	21.0	20.70	20.73	20.98	0.0	22.5
		1	49	19.24	19.25	19.63	0.0	21.0	20.78	20.78	21.14	0.0	22.5
		1	99	19.19	19.30	19.73	0.0	21.0	20.72	20.84	21.29	0.0	22.5
		50	0	19.26	19.29	19.55	0.0	21.0	20.81	20.83	21.07	0.0	22.5
		50	24	19.31	19.29	19.66	0.0	21.0	20.85	20.85	21.19	0.0	22.5
		50	50	19.20	19.29	19.69	0.0	21.0	20.74	20.84	21.21	0.0	22.5
	100	0	19.28	19.28	19.64	0.0	21.0	20.81	20.84	21.17	0.0	22.5	
	16QAM	1	0	19.64	19.56	19.72	0.0	21.0	21.00	21.15	21.32	0.0	22.5
		1	49	19.70	19.62	19.92	0.0	21.0	21.02	21.19	21.50	0.0	22.5
		1	99	19.63	19.70	20.06	0.0	21.0	21.00	21.24	21.59	0.0	22.5
		50	0	19.34	19.31	19.58	0.0	21.0	20.84	20.83	21.10	0.0	22.5
		50	24	19.34	19.33	19.72	0.0	21.0	20.84	20.87	21.21	0.0	22.5
		50	50	19.27	19.32	19.72	0.0	21.0	20.78	20.84	21.23	0.0	22.5
	100	0	19.31	19.31	19.66	0.0	21.0	20.80	20.86	21.22	0.0	22.5	
	64QAM	1	0	19.46	19.34	19.64	0.0	21.0	20.91	20.92	21.16	0.0	22.5
		1	49	19.43	19.42	19.86	0.0	21.0	21.01	20.85	21.35	0.0	22.5
		1	99	19.35	19.39	19.89	0.0	21.0	20.93	20.95	21.52	0.0	22.5
		50	0	19.29	19.27	19.55	0.0	21.0	20.53	20.50	20.80	0.5	22.0
		50	24	19.35	19.28	19.67	0.0	21.0	20.57	20.54	20.93	0.5	22.0
		50	50	19.23	19.26	19.69	0.0	21.0	20.48	20.52	20.94	0.5	22.0
	100	0	19.33	19.26	19.65	0.0	21.0	20.56	20.51	20.91	0.5	22.0	
	256QAM	1	0	18.60	18.48	18.82	1.0	20.0	18.72	18.52	18.85	2.5	20.0
		1	49	18.75	18.54	19.08	1.0	20.0	18.65	18.59	19.11	2.5	20.0
		1	99	18.60	18.58	19.14	1.0	20.0	18.58	18.66	19.15	2.5	20.0
50		0	18.51	18.49	18.76	1.0	20.0	18.53	18.51	18.78	2.5	20.0	
50		24	18.54	18.51	18.90	1.0	20.0	18.55	18.53	18.91	2.5	20.0	
50		50	18.45	18.51	18.88	1.0	20.0	18.48	18.53	18.91	2.5	20.0	
100	0	18.52	18.49	18.88	1.0	20.0	18.54	18.52	18.90	2.5	20.0		
15 MHz	QPSK	1	0	19.49	19.22	19.35	0.0	21.0	20.67	20.61	20.90	0.0	22.5
		1	37	19.57	19.17	19.35	0.0	21.0	20.66	20.56	21.03	0.0	22.5
		1	74	19.70	19.21	19.24	0.0	21.0	20.59	20.60	21.10	0.0	22.5
		36	0	19.53	19.21	19.30	0.0	21.0	20.66	20.61	20.95	0.0	22.5
		36	20	19.65	19.24	19.33	0.0	21.0	20.68	20.61	21.06	0.0	22.5
		36	39	19.67	19.21	19.22	0.0	21.0	20.56	20.63	21.09	0.0	22.5
	75	0	19.62	19.21	19.32	0.0	21.0	20.62	20.64	21.06	0.0	22.5	
	16QAM	1	0	19.67	19.36	19.45	0.0	21.0	20.83	20.87	21.20	0.0	22.5
		1	37	19.77	19.36	19.42	0.0	21.0	20.90	20.86	21.35	0.0	22.5
		1	74	19.81	19.36	19.34	0.0	21.0	20.81	20.93	21.38	0.0	22.5
		36	0	19.55	19.29	19.35	0.0	21.0	20.66	20.64	21.00	0.0	22.5
		36	20	19.68	19.27	19.33	0.0	21.0	20.68	20.69	21.13	0.0	22.5
		36	39	19.69	19.29	19.24	0.0	21.0	20.62	20.68	21.15	0.0	22.5
	75	0	19.69	19.29	19.31	0.0	21.0	20.67	20.65	21.09	0.0	22.5	
	64QAM	1	0	19.40	19.38	19.72	0.0	21.0	20.99	20.97	21.27	0.0	22.5
		1	37	19.40	19.36	19.86	0.0	21.0	20.95	20.99	21.38	0.0	22.5
		1	74	19.32	19.40	19.87	0.0	21.0	20.91	20.93	21.41	0.0	22.5
		36	0	19.30	19.19	19.53	0.0	21.0	20.53	20.51	20.84	0.5	22.0
		36	20	19.31	19.20	19.64	0.0	21.0	20.56	20.53	20.98	0.5	22.0
		36	39	19.23	19.21	19.65	0.0	21.0	20.47	20.52	20.98	0.5	22.0
	75	0	19.28	19.21	19.62	0.0	21.0	20.54	20.51	20.96	0.5	22.0	
	256QAM	1	0	18.70	18.56	18.92	1.0	20.0	18.62	18.65	19.07	2.5	20.0
		1	37	18.67	18.57	19.02	1.0	20.0	18.62	18.58	19.10	2.5	20.0
		1	74	18.50	18.62	19.09	1.0	20.0	18.47	18.57	19.10	2.5	20.0
		36	0	18.47	18.39	18.75	1.0	20.0	18.55	18.49	18.86	2.5	20.0
		36	20	18.49	18.44	18.79	1.0	20.0	18.53	18.50	18.97	2.5	20.0
		36	39	18.39	18.41	18.85	1.0	20.0	18.46	18.51	18.97	2.5	20.0
	75	0	18.49	18.40	18.86	1.0	20.0	18.52	18.48	18.92	2.5	20.0	

LTE Band 66 (Ant E) 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	132322	132622			132022	132322	132622			
				1715 MHz	1745 MHz	1775 MHz			1715 MHz	1745 MHz	1775 MHz			
10 MHz	QPSK	1	0	19.58	19.15	19.15	0.0	21.0	20.74	20.77	21.06	0.0	22.5	
		1	25	19.68	19.21	19.25	0.0	21.0	20.80	20.84	21.15	0.0	22.5	
		1	49	19.61	19.16	19.08	0.0	21.0	20.69	20.74	21.11	0.0	22.5	
		25	0	19.55	19.17	19.18	0.0	21.0	20.80	20.78	21.08	0.0	22.5	
		25	12	19.69	19.19	19.21	0.0	21.0	20.85	20.81	21.10	0.0	22.5	
		25	25	19.69	19.21	19.14	0.0	21.0	20.76	20.83	21.23	0.0	22.5	
	16QAM	50	0	19.64	19.20	19.20	0.0	21.0	20.81	20.80	21.11	0.0	22.5	
		1	0	19.71	19.26	19.23	0.0	21.0	21.00	20.91	21.33	0.0	22.5	
		1	25	19.83	19.39	19.33	0.0	21.0	21.12	20.99	21.52	0.0	22.5	
		1	49	19.80	19.25	19.27	0.0	21.0	20.96	20.91	21.42	0.0	22.5	
		25	0	19.63	19.17	19.26	0.0	21.0	20.83	20.85	21.07	0.0	22.5	
		25	12	19.76	19.19	19.34	0.0	21.0	20.88	20.88	21.12	0.0	22.5	
	64QAM	25	25	19.74	19.20	19.22	0.0	21.0	20.74	20.85	21.20	0.0	22.5	
		50	0	19.70	19.16	19.28	0.0	21.0	20.83	20.81	21.10	0.0	22.5	
		1	0	19.46	19.32	19.78	0.0	21.0	20.93	20.68	21.42	0.0	22.5	
		1	25	19.56	19.39	19.89	0.0	21.0	21.01	20.72	21.51	0.0	22.5	
		1	49	19.42	19.31	19.84	0.0	21.0	20.85	20.65	21.53	0.0	22.5	
		25	0	19.36	19.27	19.69	0.0	21.0	20.41	20.39	20.91	0.5	22.0	
	256QAM	25	12	19.34	19.30	19.82	0.0	21.0	20.47	20.39	20.97	0.5	22.0	
		25	25	19.28	19.31	19.79	0.0	21.0	20.36	20.35	21.05	0.5	22.0	
		50	0	19.37	19.30	19.76	0.0	21.0	20.37	20.34	20.93	0.5	22.0	
		1	0	18.65	18.63	19.01	1.0	20.0	18.54	18.48	19.14	2.5	20.0	
		1	25	18.69	18.67	19.16	1.0	20.0	18.55	18.52	19.12	2.5	20.0	
		1	49	18.58	18.62	19.10	1.0	20.0	18.42	18.59	19.05	2.5	20.0	
	5 MHz	QPSK	25	0	18.54	18.52	18.92	1.0	20.0	18.35	18.48	18.91	2.5	20.0
25			12	18.61	18.51	19.02	1.0	20.0	18.41	18.50	18.97	2.5	20.0	
25			25	18.51	18.54	19.02	1.0	20.0	18.28	18.50	19.05	2.5	20.0	
50			0	18.55	18.50	18.99	1.0	20.0	18.35	18.50	18.96	2.5	20.0	
16QAM			1	0	19.64	19.19	19.21	0.0	21.0	20.78	20.62	21.13	0.0	22.5
			1	12	19.74	19.24	19.25	0.0	21.0	20.87	20.71	21.28	0.0	22.5
		1	24	19.65	19.13	19.16	0.0	21.0	20.72	20.60	21.19	0.0	22.5	
		12	0	19.60	19.19	19.23	0.0	21.0	20.79	20.66	21.24	0.0	22.5	
		12	7	19.68	19.19	19.17	0.0	21.0	20.85	20.67	21.29	0.0	22.5	
		12	13	19.71	19.18	19.15	0.0	21.0	20.84	20.66	21.34	0.0	22.5	
		25	0	19.62	19.16	19.12	0.0	21.0	20.80	20.63	21.28	0.0	22.5	
		1	0	19.82	19.29	19.37	0.0	21.0	21.03	20.95	21.71	0.0	22.5	
		1	12	19.96	19.33	19.40	0.0	21.0	20.99	21.01	21.83	0.0	22.5	
64QAM		1	24	19.89	19.27	19.30	0.0	21.0	21.03	20.99	21.80	0.0	22.5	
		12	0	19.69	19.09	19.24	0.0	21.0	20.68	20.74	21.25	0.0	22.5	
		12	7	19.78	19.17	19.16	0.0	21.0	20.70	20.78	21.34	0.0	22.5	
		12	13	19.80	19.12	19.16	0.0	21.0	20.70	20.72	21.35	0.0	22.5	
		25	0	19.66	19.16	19.13	0.0	21.0	20.64	20.64	21.29	0.0	22.5	
		1	0	19.37	19.45	19.92	0.0	21.0	20.75	20.81	21.39	0.0	22.5	
256QAM		1	12	19.46	19.49	20.05	0.0	21.0	20.76	20.86	21.52	0.0	22.5	
		1	24	19.31	19.39	19.96	0.0	21.0	20.64	20.82	21.35	0.0	22.5	
		12	0	19.37	19.26	19.76	0.0	21.0	20.45	20.38	20.91	0.5	22.0	
		12	7	19.32	19.33	19.81	0.0	21.0	20.53	20.41	20.94	0.5	22.0	
		12	13	19.31	19.30	19.84	0.0	21.0	20.42	20.39	21.00	0.5	22.0	
		25	0	19.25	19.27	19.74	0.0	21.0	20.42	20.38	20.86	0.5	22.0	
	1	0	18.74	18.54	19.07	1.0	20.0	18.38	18.47	19.16	2.5	20.0		
	1	12	18.82	18.61	19.26	1.0	20.0	18.56	18.58	19.24	2.5	20.0		
	1	24	18.65	18.50	19.15	1.0	20.0	18.28	18.44	19.17	2.5	20.0		
256QAM	12	0	18.56	18.53	18.97	1.0	20.0	18.41	18.37	18.76	2.5	20.0		
	12	7	18.55	18.57	19.02	1.0	20.0	18.49	18.36	18.91	2.5	20.0		
	12	13	18.46	18.52	19.07	1.0	20.0	18.46	18.36	18.91	2.5	20.0		
	25	0	18.45	18.49	18.95	1.0	20.0	18.40	18.35	18.86	2.5	20.0		

LTE Band 66 (Ant E) 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	132322	132657			131987	132322	132657		
				1711.5 MHz	1745 MHz	1778.5 MHz			1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	19.59	19.05	19.14	0.0	21.0	20.64	20.53	21.08	0.0	22.5
		1	8	19.70	19.23	19.24	0.0	21.0	20.75	20.69	21.22	0.0	22.5
		1	14	19.60	19.07	19.09	0.0	21.0	20.62	20.57	21.07	0.0	22.5
		8	0	19.64	19.19	19.22	0.0	21.0	20.71	20.64	21.10	0.0	22.5
		8	4	19.72	19.21	19.23	0.0	21.0	20.75	20.66	21.22	0.0	22.5
		8	7	19.73	19.22	19.25	0.0	21.0	20.67	20.65	21.21	0.0	22.5
	16QAM	15	0	19.72	19.20	19.21	0.0	21.0	20.66	20.63	21.17	0.0	22.5
		1	0	19.77	19.27	19.27	0.0	21.0	20.89	20.96	21.46	0.0	22.5
		1	8	19.86	19.32	19.44	0.0	21.0	21.02	21.09	21.63	0.0	22.5
		1	14	19.74	19.19	19.33	0.0	21.0	20.90	20.98	21.47	0.0	22.5
		8	0	19.73	19.22	19.22	0.0	21.0	20.75	20.71	21.24	0.0	22.5
		8	4	19.84	19.23	19.24	0.0	21.0	20.78	20.75	21.33	0.0	22.5
	64QAM	8	7	19.80	19.21	19.24	0.0	21.0	20.68	20.76	21.32	0.0	22.5
		15	0	19.78	19.22	19.23	0.0	21.0	20.64	20.67	21.27	0.0	22.5
		1	0	19.42	19.35	19.89	0.0	21.0	20.83	20.78	21.30	0.0	22.5
		1	8	19.53	19.44	20.07	0.0	21.0	21.00	20.88	21.45	0.0	22.5
		1	14	19.39	19.28	19.93	0.0	21.0	20.82	20.79	21.32	0.0	22.5
		8	0	19.40	19.30	19.81	0.0	21.0	20.50	20.45	20.92	0.5	22.0
	256QAM	8	4	19.39	19.33	19.89	0.0	21.0	20.51	20.45	21.04	0.5	22.0
		8	7	19.43	19.33	19.87	0.0	21.0	20.41	20.42	21.00	0.5	22.0
		15	0	19.34	19.29	19.84	0.0	21.0	20.36	20.35	20.95	0.5	22.0
1		0	18.56	18.60	19.04	1.0	20.0	18.51	18.46	18.95	2.5	20.0	
1		8	18.74	18.75	19.27	1.0	20.0	18.67	18.53	19.19	2.5	20.0	
1		14	18.56	18.58	19.12	1.0	20.0	18.46	18.42	19.01	2.5	20.0	
1.4 MHz	QPSK	8	0	18.59	18.54	18.99	1.0	20.0	18.48	18.34	18.84	2.5	20.0
		8	4	18.61	18.58	19.10	1.0	20.0	18.50	18.39	18.97	2.5	20.0
		8	7	18.61	18.54	19.09	1.0	20.0	18.39	18.38	18.97	2.5	20.0
		15	0	18.58	18.51	19.07	1.0	20.0	18.34	18.35	18.93	2.5	20.0
		1	0	19.64	19.07	19.14	0.0	21.0	20.64	20.66	21.16	0.0	22.5
		1	3	19.63	19.04	19.15	0.0	21.0	20.58	20.65	21.17	0.0	22.5
	16QAM	1	5	19.61	19.08	19.15	0.0	21.0	20.60	20.64	21.20	0.0	22.5
		3	0	19.64	19.09	19.12	0.0	21.0	20.66	20.57	21.15	0.0	22.5
		3	1	19.62	19.10	19.13	0.0	21.0	20.61	20.60	21.20	0.0	22.5
		3	3	19.60	19.08	19.12	0.0	21.0	20.61	20.59	21.16	0.0	22.5
		6	0	19.63	19.10	19.16	0.0	21.0	20.64	20.65	21.25	0.0	22.5
		1	0	19.76	19.20	19.24	0.0	21.0	21.00	20.95	21.43	0.0	22.5
	64QAM	1	3	19.79	19.24	19.23	0.0	21.0	20.98	20.87	21.37	0.0	22.5
		1	5	19.81	19.25	19.25	0.0	21.0	20.97	20.84	21.44	0.0	22.5
		3	0	19.75	19.10	19.24	0.0	21.0	20.77	20.72	21.33	0.0	22.5
		3	1	19.74	19.13	19.27	0.0	21.0	20.78	20.77	21.36	0.0	22.5
		3	3	19.72	19.10	19.23	0.0	21.0	20.73	20.73	21.35	0.0	22.5
		6	0	19.79	19.16	19.18	0.0	21.0	20.71	20.75	21.25	0.0	22.5
	256QAM	1	0	19.38	19.40	19.95	0.0	21.0	20.81	20.78	21.36	0.0	22.5
		1	3	19.41	19.41	19.96	0.0	21.0	20.78	20.80	21.34	0.0	22.5
		1	5	19.38	19.37	19.91	0.0	21.0	20.73	20.75	21.34	0.0	22.5
3		0	19.41	19.25	19.88	0.0	21.0	20.71	20.65	21.26	0.5	22.0	
3		1	19.42	19.22	19.89	0.0	21.0	20.74	20.65	21.30	0.5	22.0	
3		3	19.39	19.22	19.88	0.0	21.0	20.69	20.67	21.26	0.5	22.0	
256QAM	6	0	19.34	19.30	19.77	0.0	21.0	20.39	20.36	21.03	0.5	22.0	
	1	0	18.67	18.60	19.21	1.0	20.0	18.43	18.41	19.09	2.5	20.0	
	1	3	18.68	18.57	19.22	1.0	20.0	18.42	18.34	19.12	2.5	20.0	
	1	5	18.62	18.60	19.20	1.0	20.0	18.40	18.36	19.06	2.5	20.0	
	3	0	18.49	18.52	19.10	1.0	20.0	18.37	18.29	18.96	2.5	20.0	
	3	1	18.49	18.53	19.07	1.0	20.0	18.37	18.33	18.93	2.5	20.0	
256QAM	3	3	18.48	18.50	19.06	1.0	20.0	18.36	18.33	19.04	2.5	20.0	
	6	0	18.61	18.44	19.00	1.0	20.0	18.40	18.39	18.88	2.5	20.0	

LTE Band 48 (Ant E) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)						Maximum Allowed Average Power (dBm)					
				DSI = 0, 1						DSI = 2, 3					
				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	19.67	19.62	19.58	19.82	0.0	20.5	21.70	21.52	21.49	21.72	0.0	23.0
		1	49	19.69	19.63	19.66	19.81	0.0	20.5	21.70	21.52	21.53	21.63	0.0	23.0
		1	99	19.65	19.62	19.63	19.80	0.0	20.5	21.68	21.46	21.54	21.60	0.0	23.0
		50	0	19.66	19.72	19.63	19.92	0.0	20.5	21.79	21.58	21.52	21.80	0.0	23.0
		50	24	19.68	19.74	19.72	19.90	0.0	20.5	21.77	21.59	21.61	21.64	0.0	23.0
		50	50	19.77	19.63	19.70	19.83	0.0	20.5	21.74	21.50	21.58	21.70	0.0	23.0
	100	0	19.67	19.68	19.69	19.90	0.0	20.5	21.84	21.57	21.58	21.63	0.0	23.0	
	16QAM	1	0	19.78	19.79	19.72	19.93	0.0	20.5	21.98	21.66	21.60	21.70	0.0	23.0
		1	49	19.80	19.90	19.75	19.92	0.0	20.5	22.01	21.65	21.68	21.75	0.0	23.0
		1	99	19.78	19.78	19.70	19.91	0.0	20.5	21.92	21.58	21.65	21.71	0.0	23.0
		50	0	19.73	19.73	19.66	19.93	0.0	20.5	20.88	20.61	20.54	20.64	1.0	22.0
		50	24	19.74	19.74	19.78	19.95	0.0	20.5	20.87	20.63	20.64	20.66	1.0	22.0
		50	50	19.79	19.66	19.77	19.86	0.0	20.5	20.76	20.54	20.63	20.69	1.0	22.0
	100	0	19.72	19.70	19.73	19.94	0.0	20.5	20.85	20.59	20.60	20.63	1.0	22.0	
	64QAM	1	0	19.94	19.63	19.62	19.70	0.0	20.5	20.74	20.51	20.62	20.78	1.0	22.0
		1	49	19.93	19.65	19.58	19.77	0.0	20.5	20.81	20.56	20.68	20.82	1.0	22.0
		1	99	19.88	19.55	19.56	19.72	0.0	20.5	20.75	20.47	20.67	20.70	1.0	22.0
		50	0	19.91	19.71	19.65	19.69	0.0	20.5	19.68	19.65	19.56	19.83	2.0	21.0
		50	24	19.92	19.74	19.73	19.72	0.0	20.5	19.69	19.67	19.70	19.85	2.0	21.0
		50	50	19.83	19.64	19.71	19.75	0.0	20.5	19.72	19.57	19.65	19.77	2.0	21.0
	100	0	19.89	19.72	19.71	19.69	0.0	20.5	19.64	19.64	19.67	19.83	2.0	21.0	
	256QAM	1	0	17.82	17.64	17.48	17.76	2.0	18.5	17.52	17.59	17.46	17.82	4.0	19.0
		1	49	17.92	17.65	17.62	17.80	2.0	18.5	17.65	17.59	17.57	17.83	4.0	19.0
		1	99	17.68	17.51	17.55	17.69	2.0	18.5	17.58	17.46	17.54	17.73	4.0	19.0
50		0	17.93	17.69	17.68	17.73	2.0	18.5	17.68	17.63	17.59	17.84	4.0	19.0	
50		24	17.97	17.72	17.76	17.73	2.0	18.5	17.71	17.64	17.71	17.87	4.0	19.0	
50		50	17.87	17.63	17.74	17.77	2.0	18.5	17.75	17.54	17.66	17.79	4.0	19.0	
100	0	17.90	17.70	17.73	17.72	2.0	18.5	17.66	17.64	17.69	17.84	4.0	19.0		
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit
				55315	55765	56215	56665			55315	55765	56215	56665		
3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz	3557.5 MHz	3602.5 MHz	3647.5 MHz	3692.5 MHz								
15 MHz	QPSK	1	0	19.91	19.57	19.54	19.81	0.0	20.5	21.52	21.34	21.24	21.60	0.0	23.0
		1	37	19.92	19.55	19.62	19.86	0.0	20.5	21.55	21.37	21.32	21.65	0.0	23.0
		1	74	19.85	19.50	19.64	19.88	0.0	20.5	21.44	21.27	21.33	21.59	0.0	23.0
		36	0	19.92	19.63	19.59	19.83	0.0	20.5	21.58	21.38	21.28	21.59	0.0	23.0
		36	20	19.93	19.62	19.58	19.85	0.0	20.5	21.57	21.31	21.38	21.60	0.0	23.0
		36	39	19.85	19.52	19.68	19.93	0.0	20.5	21.51	21.31	21.39	21.68	0.0	23.0
	75	0	19.93	19.62	19.57	19.84	0.0	20.5	21.56	21.27	21.38	21.59	0.0	23.0	
	16QAM	1	0	19.95	19.56	19.53	19.79	0.0	20.5	21.47	21.25	21.16	21.63	0.0	23.0
		1	37	19.97	19.54	19.65	19.77	0.0	20.5	21.52	21.30	21.21	21.71	0.0	23.0
		1	74	19.88	19.49	19.64	19.82	0.0	20.5	21.47	21.23	21.17	21.63	0.0	23.0
		36	0	19.97	19.65	19.60	19.87	0.0	20.5	20.59	20.43	20.32	20.62	1.0	22.0
		36	20	19.95	19.65	19.61	19.90	0.0	20.5	20.62	20.36	20.44	20.61	1.0	22.0
		36	39	19.88	19.58	19.70	19.96	0.0	20.5	20.53	20.34	20.43	20.69	1.0	22.0
	75	0	19.96	19.63	19.61	19.88	0.0	20.5	20.56	20.32	20.41	20.62	1.0	22.0	
	64QAM	1	0	19.81	19.57	19.49	19.76	0.0	20.5	20.51	20.34	20.30	20.67	1.0	22.0
		1	37	19.87	19.57	19.53	19.77	0.0	20.5	20.49	20.39	20.31	20.74	1.0	22.0
		1	74	19.90	19.45	19.57	19.66	0.0	20.5	20.48	20.39	20.22	20.68	1.0	22.0
		36	0	19.81	19.59	19.60	19.90	0.0	20.5	19.60	19.30	19.42	19.60	2.0	21.0
		36	20	19.56	19.61	19.61	19.90	0.0	20.5	19.59	19.39	19.34	19.63	2.0	21.0
		36	39	19.87	19.52	19.72	19.82	0.0	20.5	19.51	19.43	19.35	19.67	2.0	21.0
	75	0	19.84	19.60	19.62	19.90	0.0	20.5	19.59	19.39	19.34	19.57	2.0	21.0	
	256QAM	1	0	17.69	17.61	17.54	17.80	2.0	18.5	17.58	17.23	17.34	17.56	4.0	19.0
		1	37	17.81	17.52	17.65	17.83	2.0	18.5	17.56	17.26	17.32	17.63	4.0	19.0
		1	74	17.83	17.41	17.69	17.73	2.0	18.5	17.53	17.35	17.32	17.61	4.0	19.0
36		0	17.82	17.59	17.60	17.91	2.0	18.5	17.60	17.33	17.38	17.60	4.0	19.0	
36		20	17.86	17.60	17.62	17.91	2.0	18.5	17.59	17.43	17.35	17.60	4.0	19.0	
36		39	17.92	17.54	17.69	17.85	2.0	18.5	17.54	17.43	17.34	17.70	4.0	19.0	
75	0	17.83	17.59	17.59	17.89	2.0	18.5	17.60	17.43	17.35	17.61	4.0	19.0		

LTE Band 48 (Ant E) 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	55757	56223	56690			55290	55757	56223	56690		
				3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz			3555 MHz	3601.7 MHz	3648.3 MHz	3695 MHz		
10 MHz	QPSK	1	0	19.99	19.60	19.63	19.90	0.0	20.5	21.65	21.37	21.41	21.70	0.0	23.0
		1	25	19.99	19.66	19.69	19.97	0.0	20.5	21.65	21.42	21.42	21.72	0.0	23.0
		1	49	19.90	19.54	19.65	19.93	0.0	20.5	21.61	21.40	21.35	21.67	0.0	23.0
		25	0	19.99	19.67	19.63	19.92	0.0	20.5	21.66	21.35	21.40	21.66	0.0	23.0
		25	12	19.97	19.70	19.72	19.95	0.0	20.5	21.65	21.38	21.45	21.68	0.0	23.0
		25	25	19.92	19.55	19.69	19.98	0.0	20.5	21.57	21.43	21.36	21.72	0.0	23.0
		50	0	20.00	19.67	19.69	19.89	0.0	20.5	21.68	21.34	21.44	21.65	0.0	23.0
	16QAM	1	0	19.98	19.74	19.64	19.86	0.0	20.5	21.64	21.36	21.46	21.72	0.0	23.0
		1	25	20.07	19.72	19.72	19.87	0.0	20.5	21.73	21.37	21.41	21.79	0.0	23.0
		1	49	19.90	19.64	19.69	19.90	0.0	20.5	21.59	21.34	21.34	21.67	0.0	23.0
		25	0	20.02	19.70	19.68	19.94	0.0	20.5	20.74	20.37	20.47	20.67	1.0	22.0
		25	12	20.05	19.73	19.79	19.99	0.0	20.5	20.70	20.38	20.48	20.65	1.0	22.0
		25	25	19.95	19.61	19.73	20.02	0.0	20.5	20.65	20.43	20.37	20.72	1.0	22.0
		50	0	20.01	19.62	19.73	19.97	0.0	20.5	20.70	20.35	20.42	20.66	1.0	22.0
	64QAM	1	0	19.87	19.51	19.71	19.98	0.0	20.5	20.59	20.48	20.34	20.81	1.0	22.0
		1	25	20.01	19.60	19.74	19.96	0.0	20.5	20.58	20.53	20.51	20.82	1.0	22.0
		1	49	19.89	19.48	19.66	19.91	0.0	20.5	20.58	20.40	20.44	20.73	1.0	22.0
		25	0	19.86	19.64	19.66	19.99	0.0	20.5	19.68	19.47	19.37	19.67	2.0	21.0
		25	12	19.91	19.71	19.74	20.03	0.0	20.5	19.69	19.44	19.42	19.68	2.0	21.0
		25	25	20.00	19.58	19.74	19.89	0.0	20.5	19.59	19.36	19.50	19.74	2.0	21.0
		50	0	19.89	19.65	19.72	20.00	0.0	20.5	19.68	19.43	19.43	19.67	2.0	21.0
	256QAM	1	0	17.78	17.64	17.54	17.92	2.0	18.5	17.53	17.37	17.24	17.52	4.0	19.0
		1	25	17.90	17.62	17.64	17.95	2.0	18.5	17.65	17.39	17.45	17.64	4.0	19.0
		1	49	17.92	17.48	17.61	17.78	2.0	18.5	17.49	17.10	17.41	17.53	4.0	19.0
		25	0	17.94	17.69	17.66	18.01	2.0	18.5	17.66	17.41	17.41	17.64	4.0	19.0
25		12	17.95	17.70	17.74	18.04	2.0	18.5	17.68	17.43	17.41	17.68	4.0	19.0	
25		25	18.01	17.60	17.74	17.92	2.0	18.5	17.57	17.33	17.46	17.68	4.0	19.0	
	50	0	17.90	17.67	17.73	18.02	2.0	18.5	17.67	17.43	17.38	17.64	4.0	19.0	
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit
				55265	55748	56232	56715			55265	55748	56232	56715		
				3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz			3552.5 MHz	3600.8 MHz	3649.2 MHz	3697.5 MHz		
5 MHz	QPSK	1	0	19.82	19.60	19.65	19.96	0.0	20.5	21.58	21.36	21.40	21.69	0.0	23.0
		1	12	19.91	19.69	19.70	20.06	0.0	20.5	21.58	21.48	21.44	21.77	0.0	23.0
		1	24	19.76	19.54	19.62	19.95	0.0	20.5	21.51	21.34	21.36	21.69	0.0	23.0
		12	0	19.88	19.64	19.62	19.93	0.0	20.5	21.64	21.38	21.40	21.67	0.0	23.0
		12	7	19.91	19.56	19.64	20.09	0.0	20.5	21.65	21.50	21.44	21.79	0.0	23.0
		12	13	19.83	19.52	19.70	19.96	0.0	20.5	21.64	21.44	21.41	21.72	0.0	23.0
		25	0	19.76	19.50	19.61	20.00	0.0	20.5	21.55	21.44	21.39	21.75	0.0	23.0
	16QAM	1	0	19.98	19.86	19.74	20.04	0.0	20.5	21.69	21.41	21.57	21.79	0.0	23.0
		1	12	20.14	19.83	19.79	20.03	0.0	20.5	21.78	21.61	21.64	21.85	0.0	23.0
		1	24	19.93	19.79	19.66	19.98	0.0	20.5	21.56	21.38	21.49	21.79	0.0	23.0
		12	0	20.13	19.70	19.65	19.92	0.0	20.5	20.61	20.50	20.48	20.75	1.0	22.0
		12	7	20.17	19.68	19.69	20.06	0.0	20.5	20.65	20.62	20.52	20.87	1.0	22.0
		12	13	20.13	19.63	19.70	20.02	0.0	20.5	20.61	20.58	20.46	20.81	1.0	22.0
		25	0	19.93	19.58	19.68	19.99	0.0	20.5	20.58	20.46	20.41	20.75	1.0	22.0
	64QAM	1	0	19.80	19.61	19.78	19.96	0.0	20.5	20.67	20.45	20.43	20.63	1.0	22.0
		1	12	19.97	19.64	19.79	20.00	0.0	20.5	20.78	20.48	20.50	20.79	1.0	22.0
		1	24	19.86	19.50	19.66	19.89	0.0	20.5	20.56	20.35	20.41	20.66	1.0	22.0
		12	0	19.84	19.53	19.64	19.97	0.0	20.5	19.67	19.47	19.39	19.66	2.0	21.0
		12	7	19.93	19.53	19.70	20.02	0.0	20.5	19.70	19.51	19.52	19.80	2.0	21.0
		12	13	19.91	19.47	19.72	19.94	0.0	20.5	19.66	19.47	19.48	19.78	2.0	21.0
		25	0	19.91	19.48	19.62	19.87	0.0	20.5	19.55	19.45	19.48	19.74	2.0	21.0
	256QAM	1	0	17.91	17.50	17.59	17.96	2.0	18.5	17.63	17.44	17.38	17.67	4.0	19.0
		1	12	18.02	17.61	17.75	18.01	2.0	18.5	17.71	17.51	17.45	17.78	4.0	19.0
		1	24	17.89	17.39	17.65	17.86	2.0	18.5	17.56	17.43	17.37	17.74	4.0	19.0
		12	0	17.81	17.60	17.65	17.98	2.0	18.5	17.65	17.42	17.42	17.69	4.0	19.0
12		7	17.93	17.56	17.68	18.03	2.0	18.5	17.69	17.49	17.51	17.79	4.0	19.0	
12		13	17.83	17.52	17.73	17.95	2.0	18.5	17.67	17.45	17.48	17.78	4.0	19.0	
	25	0	17.86	17.52	17.64	17.90	2.0	18.5	17.57	17.45	17.46	17.75	4.0	19.0	

LTE Band 71 (Ant A&Ant.A+B) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)		
				DSI = 0, 1, 2, 3		
				Measured Pwr (dBm)		MPR
133297	680.5 MHz					
20 MHz	QPSK	1	0	24.25	0.0	25.2
		1	49	24.20	0.0	25.2
		1	99	23.83	0.0	25.2
		50	0	23.30	1.0	24.2
		50	24	23.20	1.0	24.2
		50	50	22.99	1.0	24.2
	100	0	23.07	1.0	24.2	
	16QAM	1	0	23.62	1.0	24.2
		1	49	23.40	1.0	24.2
		1	99	23.10	1.0	24.2
		50	0	22.29	2.0	23.2
		50	24	22.20	2.0	23.2
		50	50	21.99	2.0	23.2
	100	0	22.09	2.0	23.2	
	64QAM	1	0	22.50	2.0	23.2
		1	49	22.35	2.0	23.2
		1	99	22.04	2.0	23.2
		50	0	21.25	3.0	22.2
		50	24	21.17	3.0	22.2
		50	50	20.97	3.0	22.2
	100	0	21.06	3.0	22.2	
	256QAM	1	0	19.46	5.0	20.2
		1	49	19.39	5.0	20.2
		1	99	18.89	5.0	20.2
50		0	19.27	5.0	20.2	
50		24	19.20	5.0	20.2	
50		50	18.99	5.0	20.2	
100	0	19.11	5.0	20.2		
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)		
				DSI = 0, 1, 2, 3		
				Measured Pwr (dBm)		MPR
133297	680.5 MHz					
15 MHz	QPSK	1	0	24.32	0.0	25.2
		1	37	24.21	0.0	25.2
		1	74	23.96	0.0	25.2
		36	0	23.25	1.0	24.2
		36	20	23.17	1.0	24.2
		36	39	23.08	1.0	24.2
	75	0	23.15	1.0	24.2	
	16QAM	1	0	23.58	1.0	24.2
		1	37	23.51	1.0	24.2
		1	74	23.21	1.0	24.2
		36	0	22.26	2.0	23.2
		36	20	22.20	2.0	23.2
		36	39	22.14	2.0	23.2
	75	0	22.17	2.0	23.2	
	64QAM	1	0	22.45	2.0	23.2
		1	37	22.42	2.0	23.2
		1	74	22.13	2.0	23.2
		36	0	21.23	3.0	22.2
		36	20	21.22	3.0	22.2
		36	39	21.12	3.0	22.2
	75	0	21.16	3.0	22.2	
	256QAM	1	0	19.28	5.0	20.2
		1	37	19.28	5.0	20.2
		1	74	18.97	5.0	20.2
36		0	19.24	5.0	20.2	
36		20	19.21	5.0	20.2	
36		39	19.13	5.0	20.2	
75	0	19.16	5.0	20.2		

LTE Band 71 (Ant A&Ant.A+B) Measured Results (Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				133172	133297	133422		
				668 MHz	680.5 MHz	693 MHz		
10 MHz	QPSK	1	0	24.44	24.23	23.94	0.0	25.2
		1	25	24.40	24.20	23.87	0.0	25.2
		1	49	24.33	23.99	23.66	0.0	25.2
		25	0	23.43	23.26	22.92	1.0	24.2
		25	12	23.43	23.24	22.90	1.0	24.2
		25	25	23.37	23.09	22.71	1.0	24.2
	16QAM	50	0	23.42	23.20	22.88	1.0	24.2
		1	0	23.65	23.64	23.30	1.0	24.2
		1	25	23.62	23.56	23.20	1.0	24.2
		1	49	23.54	23.42	22.94	1.0	24.2
		25	0	22.49	22.29	21.96	2.0	23.2
		25	12	22.47	22.27	21.92	2.0	23.2
	64QAM	25	25	22.42	22.12	21.78	2.0	23.2
		50	0	22.43	22.22	21.90	2.0	23.2
		1	0	22.66	22.48	22.13	2.0	23.2
		1	25	22.66	22.40	22.06	2.0	23.2
		1	49	22.54	22.23	21.83	2.0	23.2
		25	0	21.47	21.25	20.94	3.0	22.2
	256QAM	25	12	21.45	21.25	20.89	3.0	22.2
		25	25	21.38	21.08	20.76	3.0	22.2
		50	0	21.44	21.21	20.89	3.0	22.2
		1	0	19.57	19.34	19.03	5.0	20.2
		1	25	19.61	19.36	19.05	5.0	20.2
		1	49	19.44	19.11	18.76	5.0	20.2
5 MHz	QPSK	25	0	19.45	19.25	18.93	5.0	20.2
		25	12	19.48	19.26	18.90	5.0	20.2
		25	25	19.44	19.11	18.77	5.0	20.2
		50	0	19.45	19.22	18.90	5.0	20.2
		1	0	24.54	24.34	23.75	0.0	25.2
		1	12	24.50	24.37	23.75	0.0	25.2
	16QAM	1	24	24.43	24.15	23.61	0.0	25.2
		12	0	23.46	23.26	22.81	1.0	24.2
		12	7	23.46	23.19	22.81	1.0	24.2
		12	13	23.41	23.14	22.63	1.0	24.2
		25	0	23.44	23.16	22.76	1.0	24.2
		1	0	23.89	23.72	23.24	1.0	24.2
	64QAM	1	12	23.81	23.79	23.23	1.0	24.2
		1	24	23.75	23.58	23.07	1.0	24.2
		12	0	22.60	22.18	21.89	2.0	23.2
		12	7	22.58	22.13	21.90	2.0	23.2
		12	13	22.55	22.06	21.76	2.0	23.2
		25	0	22.42	22.17	21.77	2.0	23.2
	256QAM	1	0	22.78	22.51	21.94	2.0	23.2
		1	12	22.75	22.60	21.87	2.0	23.2
		1	24	22.60	22.39	21.69	2.0	23.2
		12	0	21.52	21.31	20.79	3.0	22.2
		12	7	21.51	21.28	20.83	3.0	22.2
		12	13	21.45	21.18	20.67	3.0	22.2
256QAM	25	0	21.42	21.21	20.78	3.0	22.2	
	1	0	19.64	19.57	18.94	5.0	20.2	
	1	12	19.62	19.54	19.00	5.0	20.2	
	1	24	19.46	19.34	18.71	5.0	20.2	
	12	0	19.48	19.34	18.80	5.0	20.2	
	12	7	19.51	19.27	18.86	5.0	20.2	
256QAM	12	13	19.43	19.19	18.71	5.0	20.2	
	25	0	19.45	19.20	18.79	5.0	20.2	

LTE Band 71 (Ant D) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)		
				DSI = 0, 1, 2, 3		
				Measured Pwr (dBm)		MPR
133297	680.5 MHz					
20 MHz	QPSK	1	0	24.25	0.0	25.2
		1	49	24.11	0.0	25.2
		1	99	23.77	0.0	25.2
		50	0	23.23	1.0	24.2
		50	24	23.13	1.0	24.2
		50	50	22.92	1.0	24.2
	16QAM	100	0	23.03	1.0	24.2
		1	0	23.56	1.0	24.2
		1	49	23.34	1.0	24.2
		1	99	23.00	1.0	24.2
		50	0	22.23	2.0	23.2
		50	24	22.16	2.0	23.2
	64QAM	50	50	21.95	2.0	23.2
		100	0	22.04	2.0	23.2
		1	0	22.30	2.0	23.2
		1	49	22.18	2.0	23.2
		1	99	21.85	2.0	23.2
		50	0	21.13	3.0	22.2
	256QAM	50	24	21.07	3.0	22.2
		50	50	20.85	3.0	22.2
		100	0	20.97	3.0	22.2
		1	0	19.44	5.0	20.2
		1	49	19.27	5.0	20.2
		1	99	18.87	5.0	20.2
15 MHz	QPSK	50	0	19.15	5.0	20.2
		50	24	19.05	5.0	20.2
		50	50	18.86	5.0	20.2
		100	0	18.98	5.0	20.2
		1	0	24.19	0.0	25.2
		1	37	24.12	0.0	25.2
	16QAM	1	74	23.87	0.0	25.2
		36	0	23.12	1.0	24.2
		36	20	23.09	1.0	24.2
		36	39	22.99	1.0	24.2
		75	0	23.03	1.0	24.2
		1	0	23.43	1.0	24.2
	64QAM	1	37	23.41	1.0	24.2
		1	74	23.10	1.0	24.2
		36	0	22.15	2.0	23.2
		36	20	22.12	2.0	23.2
		36	39	22.01	2.0	23.2
		75	0	22.08	2.0	23.2
	256QAM	1	0	22.30	2.0	23.2
		1	37	22.23	2.0	23.2
		1	74	21.92	2.0	23.2
		36	0	21.11	3.0	22.2
		36	20	21.07	3.0	22.2
		36	39	20.98	3.0	22.2
256QAM	75	0	21.04	3.0	22.2	
	1	0	19.29	5.0	20.2	
	1	37	19.29	5.0	20.2	
	1	74	18.97	5.0	20.2	
	36	0	19.11	5.0	20.2	
	36	20	19.07	5.0	20.2	
256QAM	36	39	19.00	5.0	20.2	
	75	0	19.05	5.0	20.2	

LTE Band 71 (Ant D) Measured Results (Continued)

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				133172	133297	133422		
				668 MHz	680.5 MHz	693 MHz		
10 MHz	QPSK	1	0	24.34	24.15	23.83	0.0	25.2
		1	25	24.31	24.06	23.71	0.0	25.2
		1	49	24.22	23.91	23.53	0.0	25.2
		25	0	23.34	23.16	22.81	1.0	24.2
		25	12	23.33	23.11	22.79	1.0	24.2
		25	25	23.26	22.96	22.63	1.0	24.2
	16QAM	50	0	23.31	23.09	22.77	1.0	24.2
		1	0	23.62	23.37	23.16	1.0	24.2
		1	25	23.63	23.28	23.07	1.0	24.2
		1	49	23.43	23.11	22.88	1.0	24.2
		25	0	22.37	22.18	21.85	2.0	23.2
		25	12	22.35	22.16	21.82	2.0	23.2
	64QAM	25	25	22.25	22.01	21.68	2.0	23.2
		50	0	22.34	22.09	21.81	2.0	23.2
		1	0	22.60	22.29	22.07	2.0	23.2
		1	25	22.53	22.25	21.96	2.0	23.2
		1	49	22.41	22.08	21.75	2.0	23.2
		25	0	21.34	21.12	20.85	3.0	22.2
	256QAM	25	12	21.33	21.10	20.80	3.0	22.2
		25	25	21.31	20.92	20.64	3.0	22.2
		50	0	21.35	21.06	20.78	3.0	22.2
1		0	19.46	19.22	18.95	5.0	20.2	
1		25	19.44	19.26	18.95	5.0	20.2	
1		49	19.29	19.00	18.68	5.0	20.2	
5 MHz	QPSK	25	0	19.32	19.11	18.83	5.0	20.2
		25	12	19.32	19.10	18.81	5.0	20.2
		25	25	19.28	18.98	18.65	5.0	20.2
		50	0	19.33	19.09	18.77	5.0	20.2
		1	0	24.42	24.18	23.69	0.0	25.2
		1	12	24.40	24.18	23.72	0.0	25.2
	16QAM	1	24	24.33	24.07	23.49	0.0	25.2
		12	0	23.36	23.19	22.67	1.0	24.2
		12	7	23.34	23.14	22.66	1.0	24.2
		12	13	23.33	23.07	22.52	1.0	24.2
		25	0	23.34	23.06	22.61	1.0	24.2
		1	0	23.98	23.71	23.09	1.0	24.2
	64QAM	1	12	23.88	23.75	22.99	1.0	24.2
		1	24	23.75	23.58	22.87	1.0	24.2
		12	0	22.41	22.18	21.70	2.0	23.2
		12	7	22.41	22.14	21.70	2.0	23.2
		12	13	22.36	22.10	21.55	2.0	23.2
		25	0	22.34	22.12	21.64	2.0	23.2
	256QAM	1	0	22.67	22.26	21.78	2.0	23.2
		1	12	22.59	22.34	21.83	2.0	23.2
		1	24	22.53	22.14	21.61	2.0	23.2
12		0	21.42	21.18	20.69	3.0	22.2	
12		7	21.41	21.12	20.73	3.0	22.2	
12		13	21.37	21.05	20.57	3.0	22.2	
256QAM	25	0	21.32	21.05	20.66	3.0	22.2	
	1	0	19.41	19.30	18.74	5.0	20.2	
	1	12	19.46	19.33	18.77	5.0	20.2	
	1	24	19.32	19.11	18.56	5.0	20.2	
	12	0	19.39	19.19	18.69	5.0	20.2	
	12	7	19.41	19.14	18.70	5.0	20.2	
256QAM	12	13	19.34	19.07	18.56	5.0	20.2	
	25	0	19.30	19.06	18.63	5.0	20.2	
	25	0	19.30	19.06	18.63	5.0	20.2	

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

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	38@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@38	1@0	1@37	36@0	18@9	1@1	1@38
		CP	2@0	2@38	1@0	1@37	38@0	19@9	1@1	1@38
	60	DFT-s	2@0	2@18	1@0	1@17	18@0	9@4	1@1	1@18
		CP	2@0	2@18	1@0	1@17	18@0	9@4	1@1	1@18
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

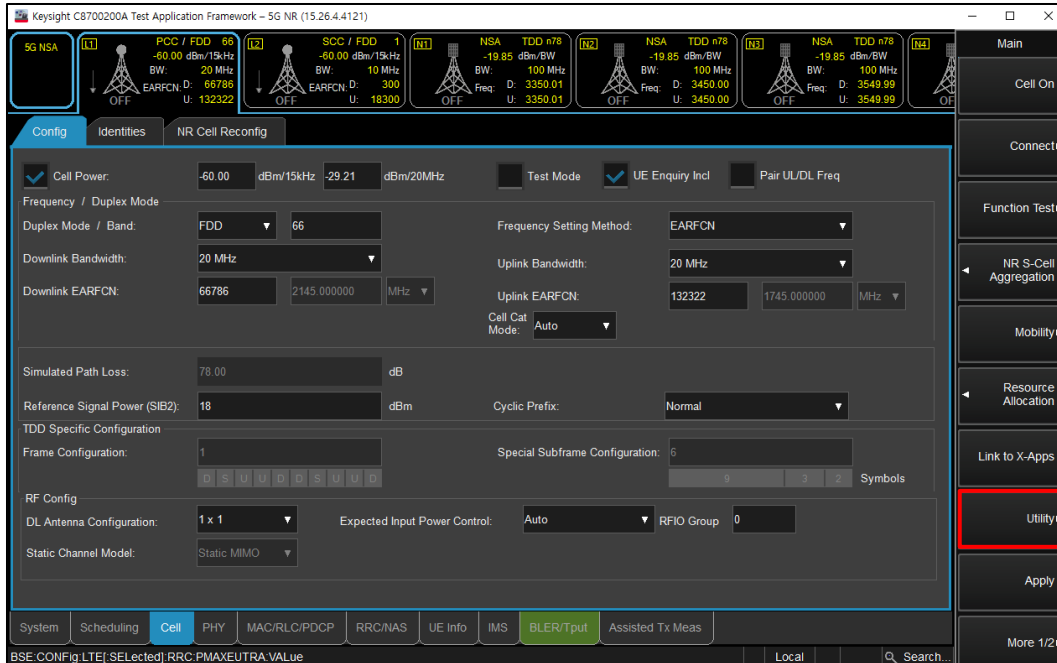
SAR test exclusion can be applied for testing overlapping NR bands as follows:

- 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 n38 (2570 – 2620 MHz) is covered by NR Band n41 (2496 – 2690 MHz)
 - NR Band n78 (3450 – 3550 MHz & 3700 - 3800) is covered by NR Band n77 (3450 – 3550 MHz & 3700 - 3980)

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



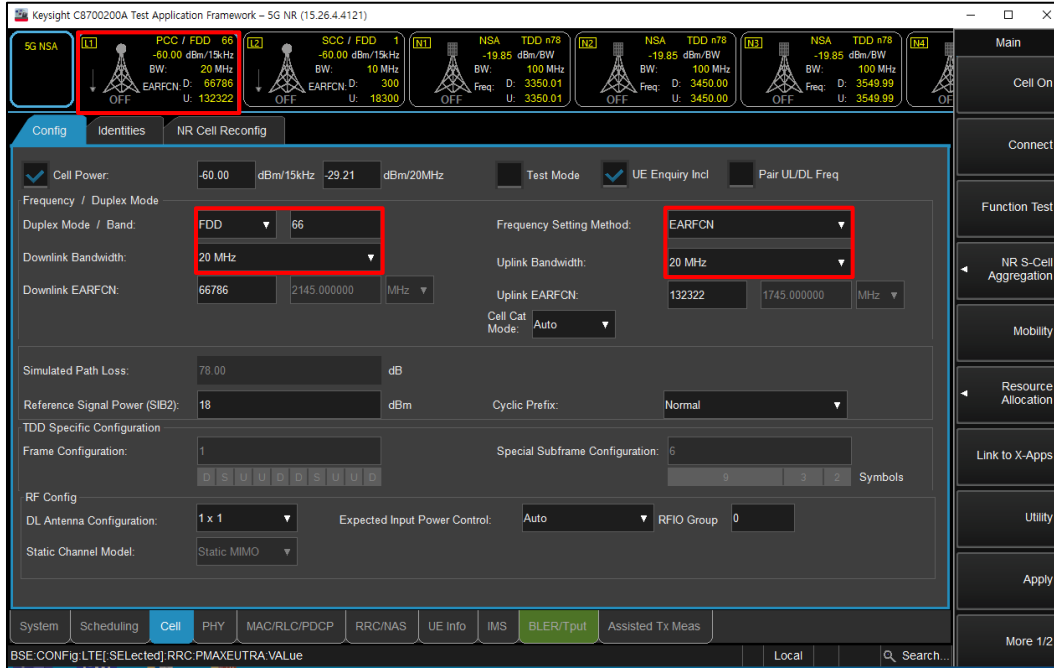
(Figure 1-1)



(Figure 1-2)

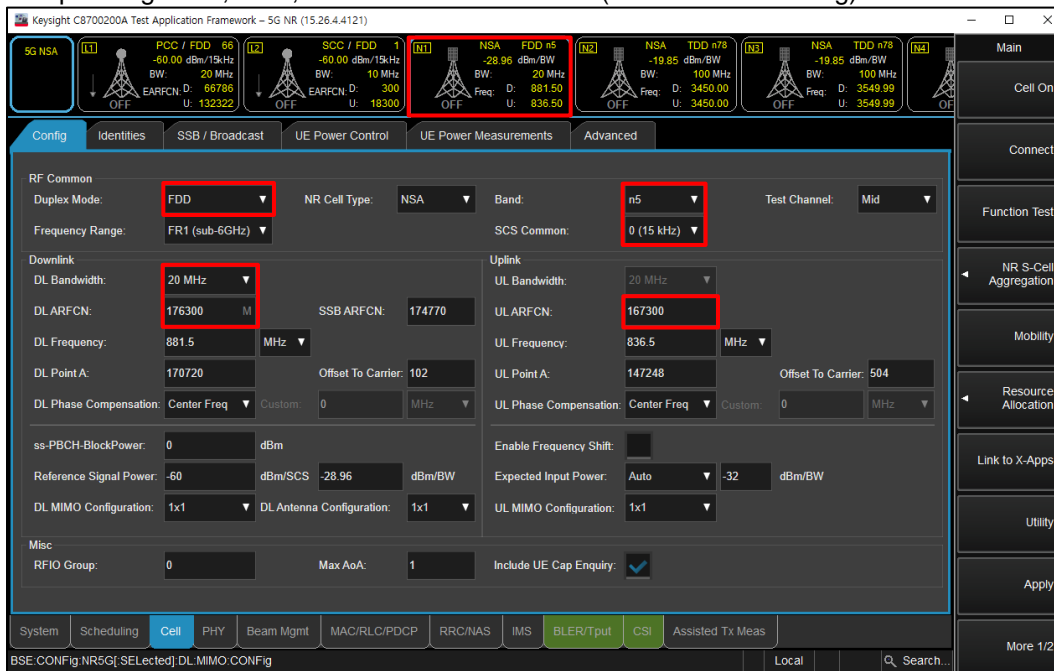
NSA Mode

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



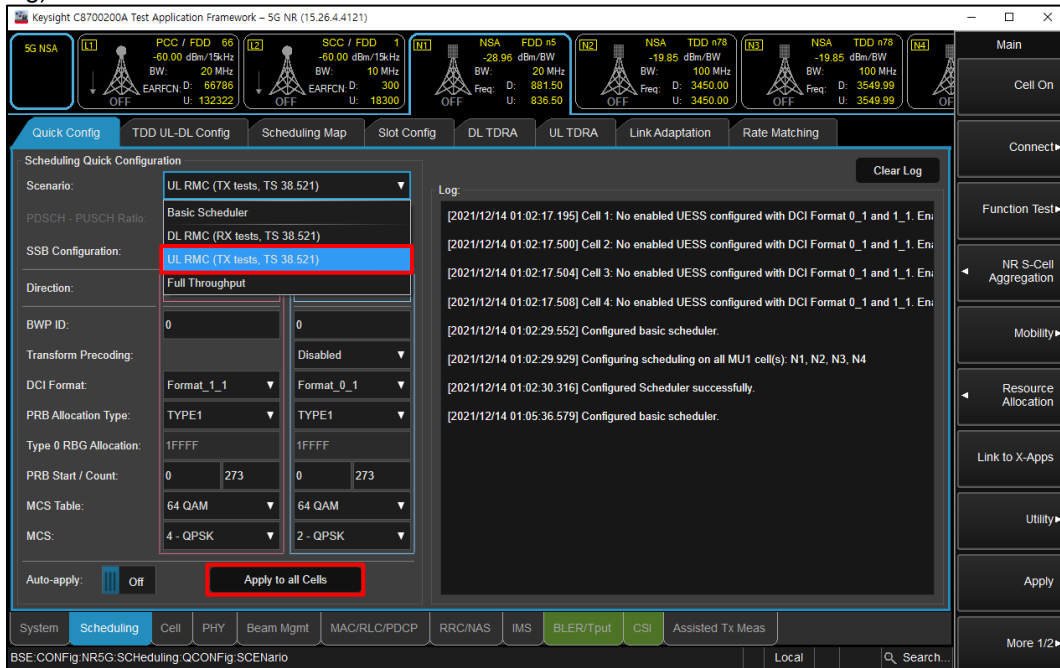
(Figure 2-1)

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



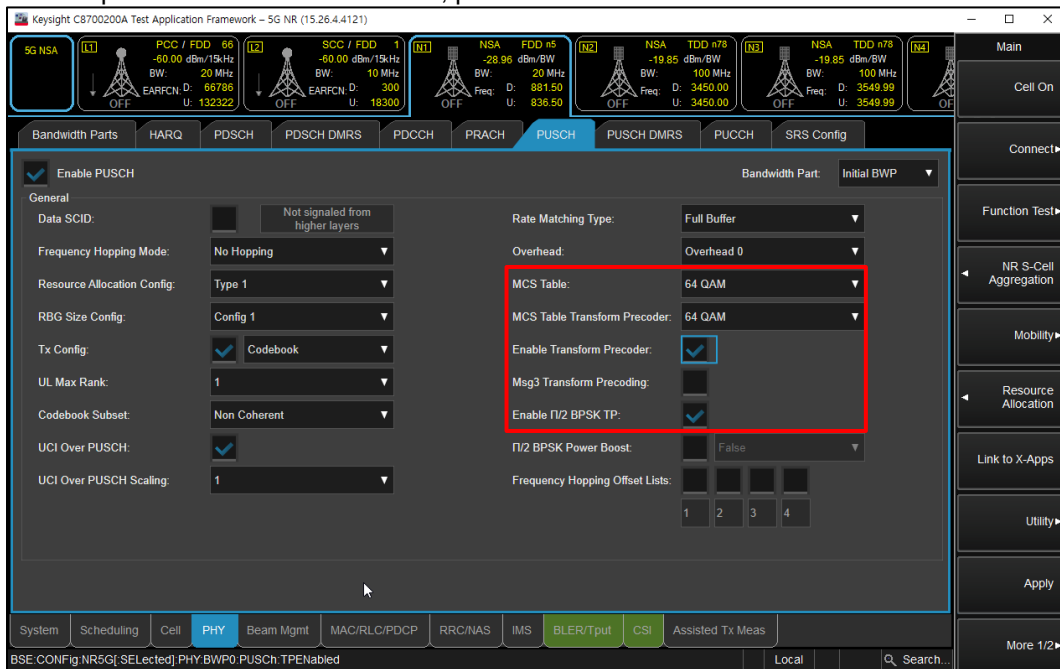
(Figure 2-2)

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



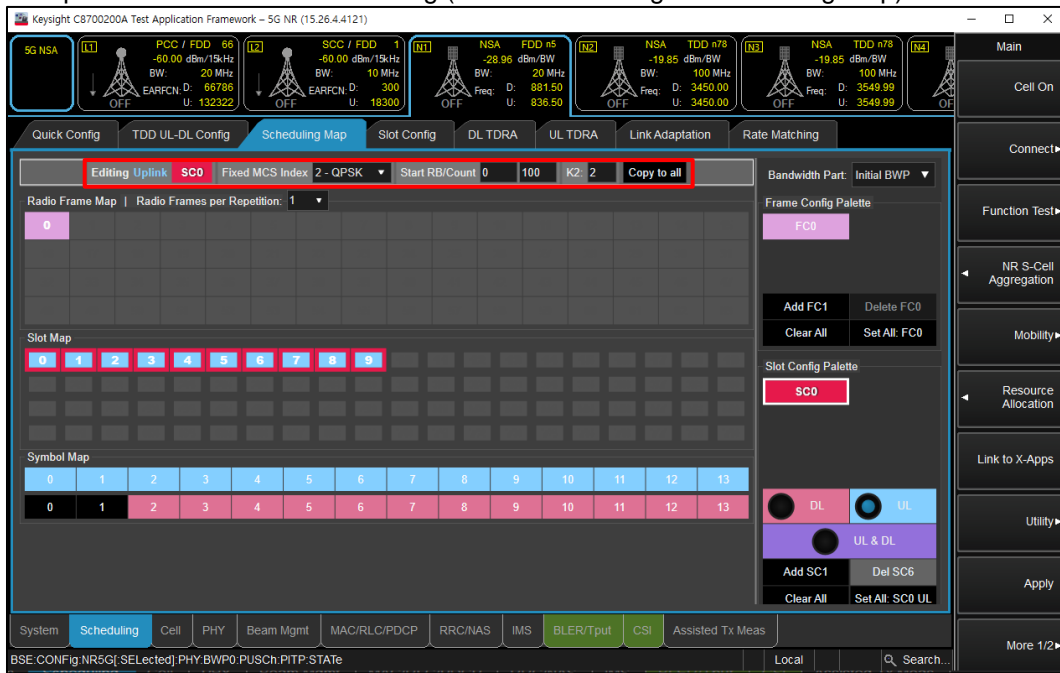
(Figure 2-3)

- 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



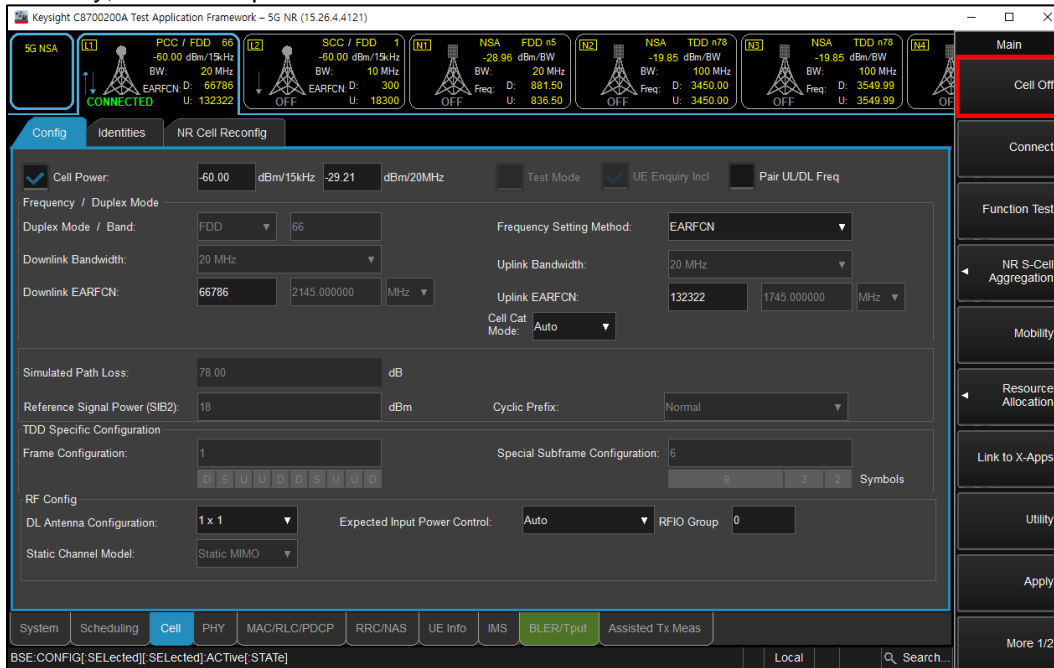
(Figure 2-4)

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



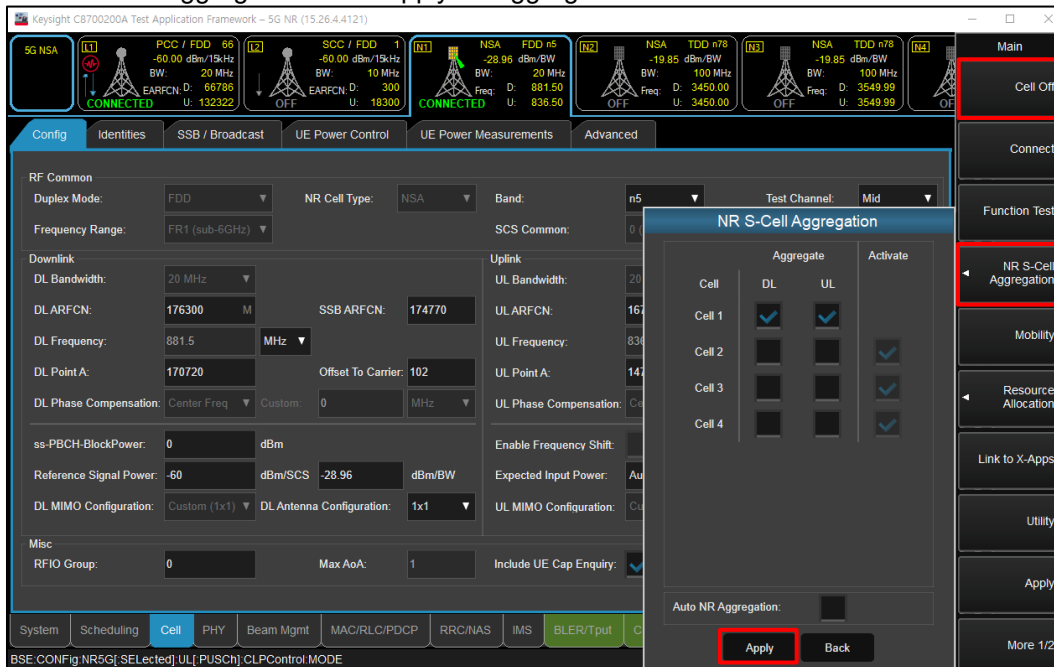
(Figure 2-5)

- 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



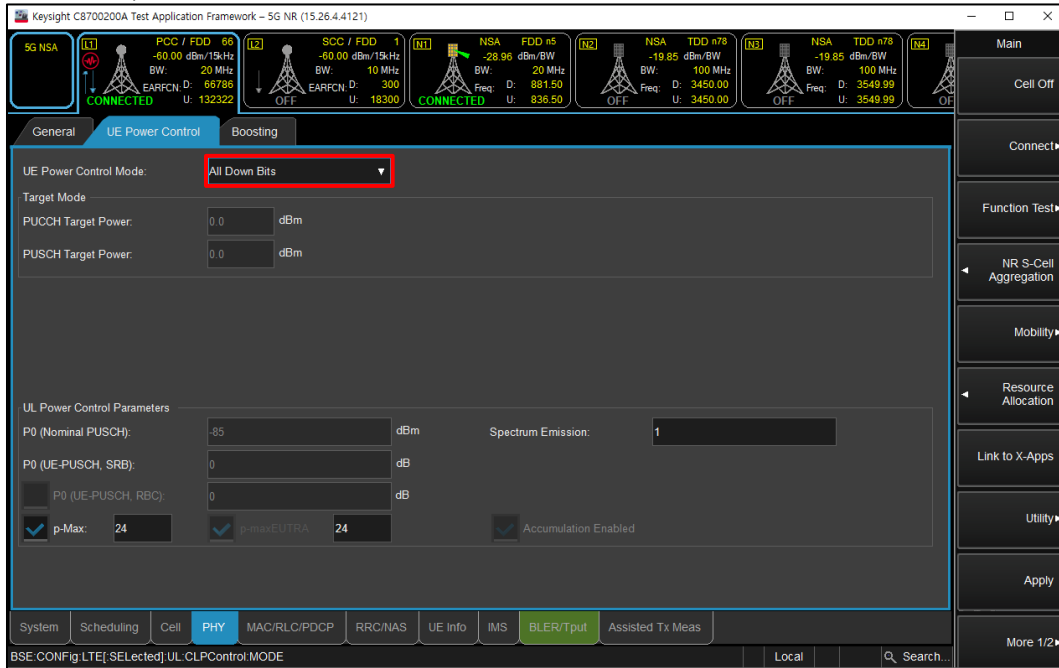
(Figure 2-6)

- 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



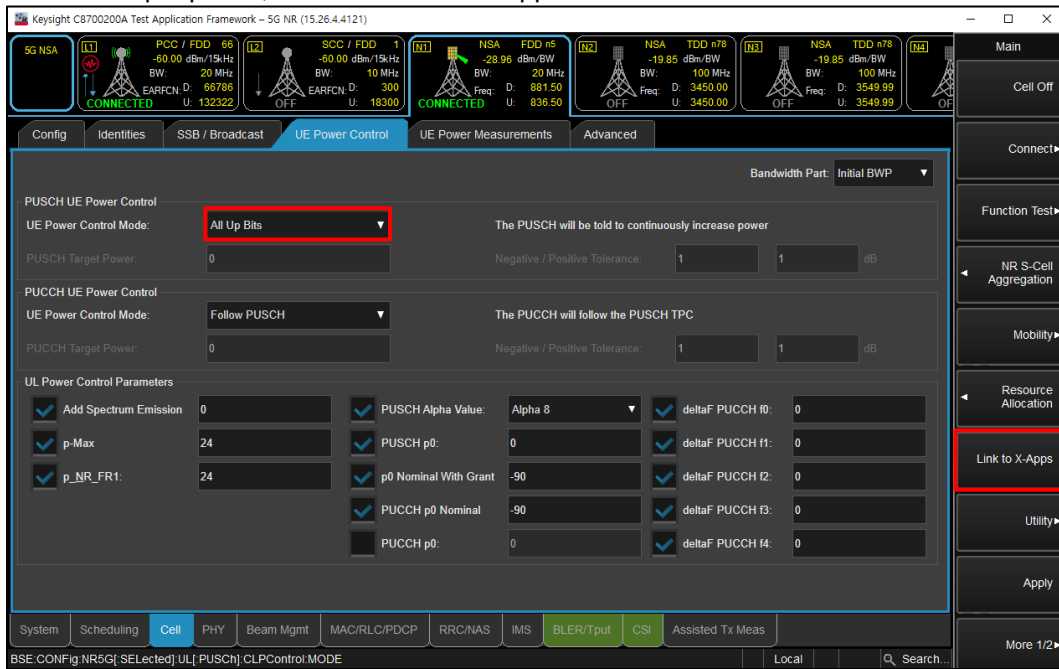
(Figure 2-7)

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



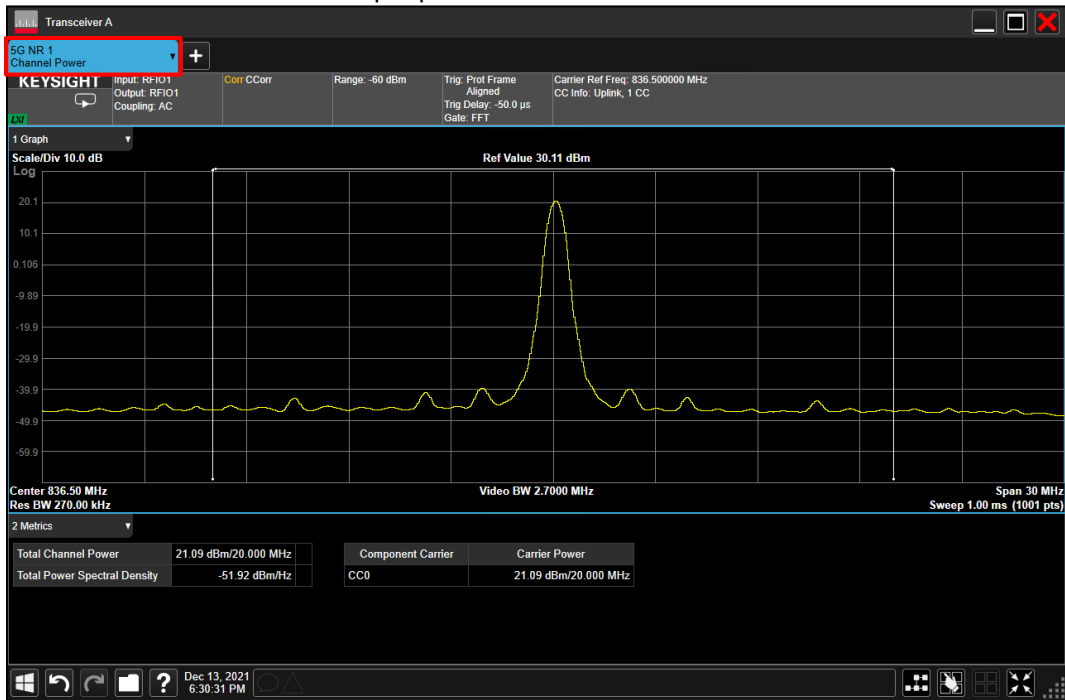
(Figure 2-8)

- 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”



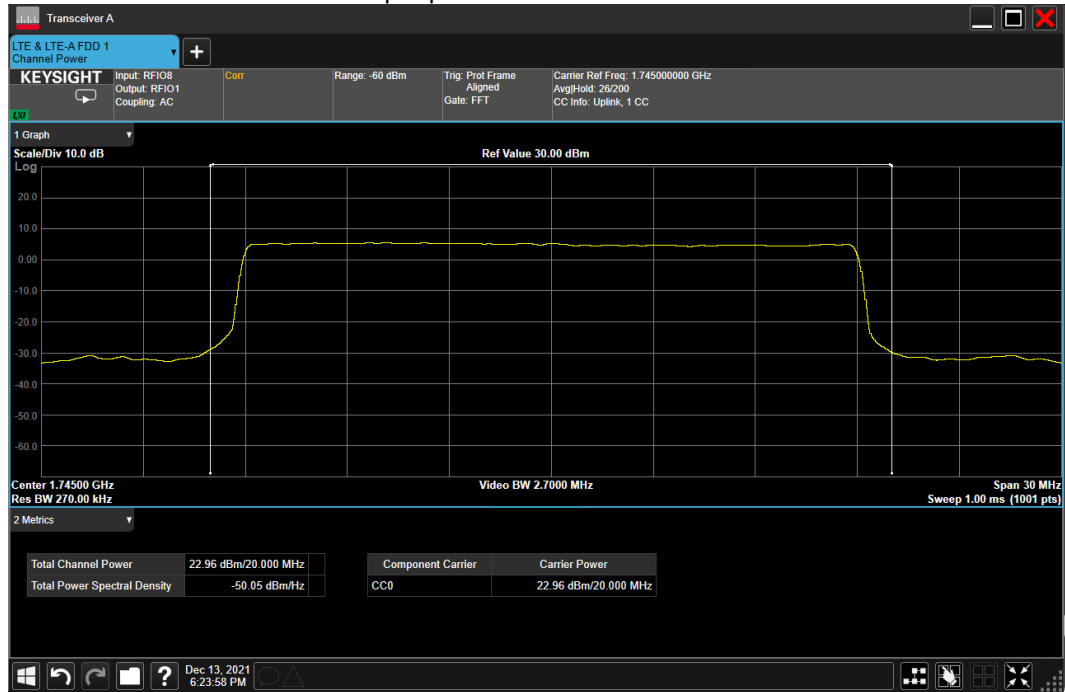
(Figure 2-9)

- Select "Channel Power" for NR output power



(Figure 2-10)

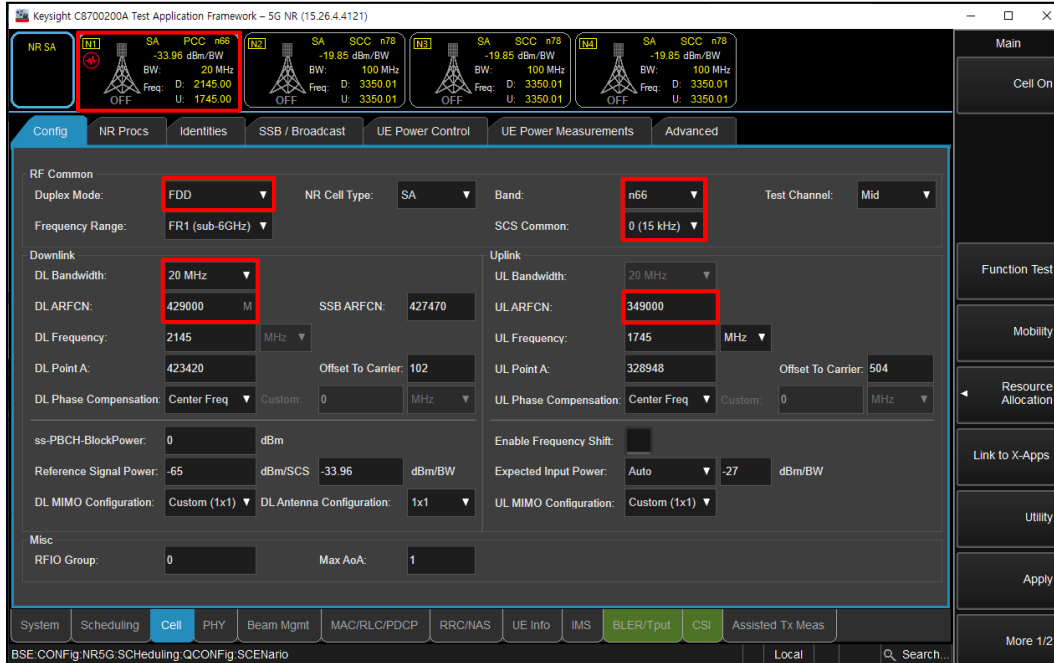
- Select "Channel Power" for LTE output power



(Figure 2-11)

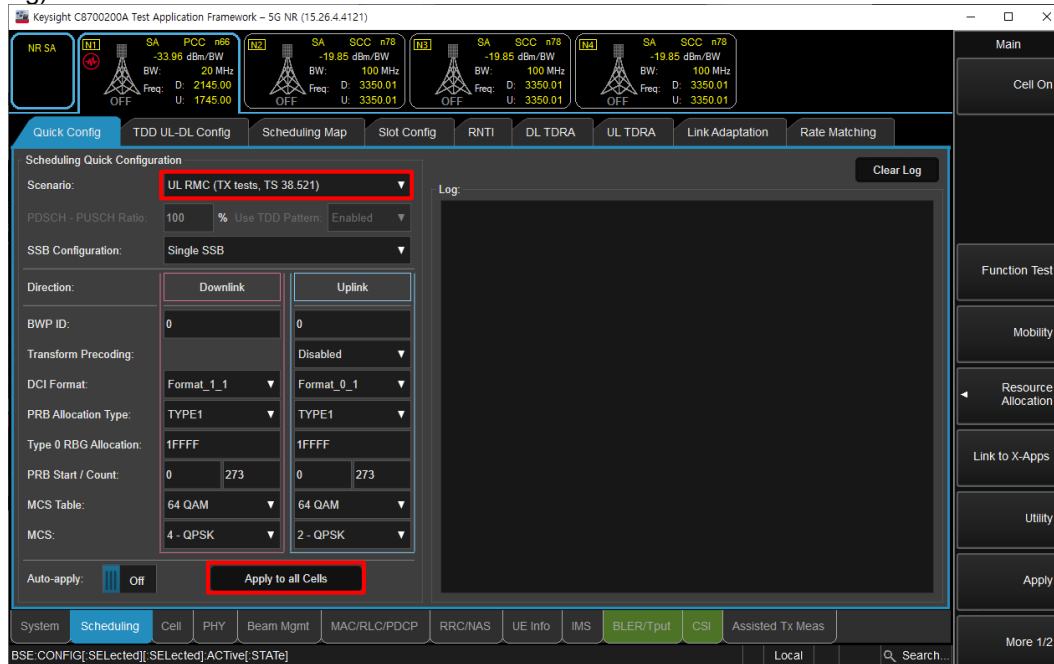
SA Mode

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



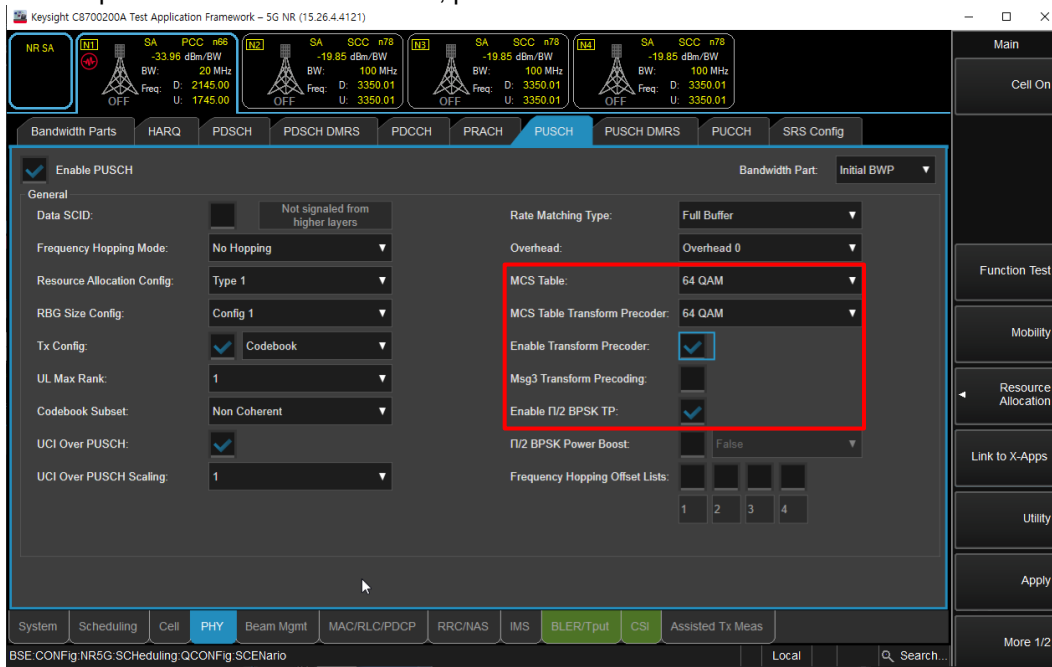
(Figure 3-1)

- 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



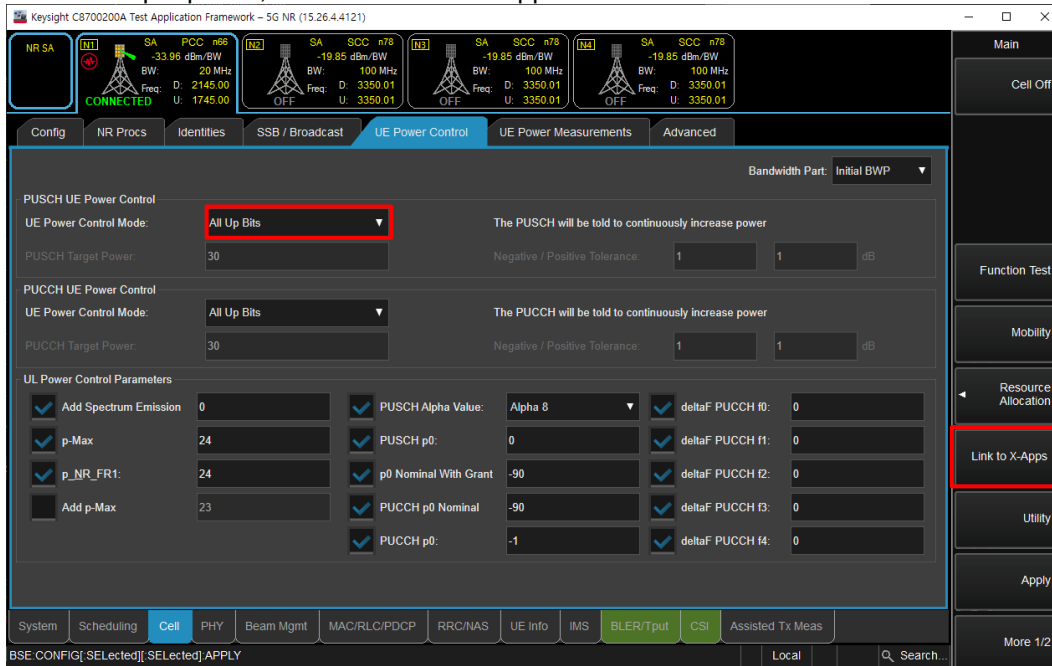
(Figure 3-3)

- 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 n5 (Ant A & Ant A+B) 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
167300	836.50 MHz							
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.73	0.0	25.0
			1	52		23.61	0.0	25.0
			1	104		23.53	0.0	25.0
			50	0		22.55	0.5	24.5
			50	28		23.60	0.0	25.0
			50	56		22.49	0.5	24.5
		QPSK	100	0		22.66	0.5	24.5
			1	1		23.64	0.0	25.0
			1	52		23.65	0.0	25.0
			1	104		23.42	0.0	25.0
			50	0		22.56	1.0	24.0
			50	28		23.65	0.0	25.0
		16QAM	50	56		22.48	1.0	24.0
			100	0		22.63	1.0	24.0
			1	1		22.43	1.0	24.0
		64QAM	1	52		22.48	1.0	24.0
			1	104		22.20	1.0	24.0
			1	1		21.25	2.5	22.5
	256QAM	1	1		18.64	4.5	20.5	
		CP-OFDM	QPSK	1	1		22.24	1.5
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.66	0.0	25.0
			1	39		23.56	0.0	25.0
15 MHz	DFT-s-OFDM	π/2 BPSK	1	77		23.52	0.0	25.0
			36	0		22.58	0.5	24.5
			36	21		23.65	0.0	25.0
			36	43		22.60	0.5	24.5
			75	0		22.68	0.5	24.5
			QPSK	1	1		23.70	0.0
		1		39		23.57	0.0	25.0
		1		77		23.54	0.0	25.0
		36		0		22.61	1.0	24.0
		36		21		23.62	0.0	25.0
		36		43		22.56	1.0	24.0
		16QAM	75	0		22.63	1.0	24.0
			1	1		22.56	1.0	24.0
			1	39		22.52	1.0	24.0
		64QAM	1	77		22.47	1.0	24.0
			1	1		21.35	2.5	22.5
			1	1		18.82	4.5	20.5
		CP-OFDM	QPSK	1	1		22.30	1.5

NR Band n5 (Ant A & Ant A+B) Measured Results (Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					167300				
					836.50 MHz				
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.73			0.0	25.0
			1	25	23.59			0.0	25.0
			1	50	23.63			0.0	25.0
			25	0	22.63			0.5	24.5
			25	13	23.53			0.0	25.0
			25	27	22.55			0.5	24.5
		QPSK	50	0	22.55			0.5	24.5
			1	1	23.72			0.0	25.0
			1	25	23.65			0.0	25.0
			1	50	23.66			0.0	25.0
			25	0	22.61			1.0	24.0
			25	13	23.56			0.0	25.0
		16QAM	25	27	22.54			1.0	24.0
			50	0	22.53			1.0	24.0
			1	1	22.52			1.0	24.0
			1	25	22.50			1.0	24.0
64QAM	1	50	22.53			1.0	24.0		
	1	1	21.32			2.5	22.5		
256QAM	1	1	18.66			4.5	20.5		
	CP-OFDM	QPSK	1	1	22.30			1.5	23.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					165300	167300	169300		
					826.50 MHz	836.50 MHz	846.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.73	23.65	23.60	0.0	25.0
			1	12	23.70	23.55	23.66	0.0	25.0
			1	23	23.74	23.57	23.61	0.0	25.0
			12	0	22.75	22.61	22.53	0.5	24.5
			12	6	23.68	23.66	23.50	0.0	25.0
			12	13	22.71	22.54	22.51	0.5	24.5
		QPSK	25	0	22.77	22.61	22.61	0.5	24.5
			1	1	23.75	23.66	23.64	0.0	25.0
			1	12	23.68	23.66	23.67	0.0	25.0
			1	23	23.68	23.56	23.60	0.0	25.0
			12	0	22.71	22.65	22.53	1.0	24.0
			12	6	23.63	23.64	23.49	0.0	25.0
		16QAM	12	13	22.79	22.59	22.54	1.0	24.0
			25	0	22.67	22.61	22.61	1.0	24.0
			1	1	22.67	22.57	22.54	1.0	24.0
			1	12	22.50	22.46	22.40	1.0	24.0
		64QAM	1	23	22.55	22.51	22.48	1.0	24.0
			1	1	21.41	21.35	21.24	2.5	22.5
		256QAM	1	1	18.89	18.74	18.66	4.5	20.5
			CP-OFDM	QPSK	1	1	22.40	22.31	22.15

NR Band n5 (Ant D) 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
167300	836.50 MHz							
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.62	0.0	25.0	
			1	52	23.64	0.0	25.0	
			1	104	23.59	0.0	25.0	
			50	0	22.57	0.5	24.5	
			50	28	23.63	0.0	25.0	
			50	56	22.51	0.5	24.5	
		QPSK	100	0	22.62	0.5	24.5	
			1	1	23.72	0.0	25.0	
			1	52	23.66	0.0	25.0	
			1	104	23.60	0.0	25.0	
			50	0	22.59	1.0	24.0	
			50	28	23.63	0.0	25.0	
		16QAM	50	56	22.54	1.0	24.0	
			100	0	22.66	1.0	24.0	
			1	1	22.40	1.0	24.0	
		64QAM	1	52	22.51	1.0	24.0	
			1	104	22.37	1.0	24.0	
		256QAM	1	1	21.22	2.5	22.5	
1	1		18.60	4.5	20.5			
CP-OFDM	QPSK	1	1	22.14	1.5	23.5		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.47	0.0	25.0	
			1	39	24.18	0.0	25.0	
			1	77	24.23	0.0	25.0	
			36	0	23.43	0.5	24.5	
			36	21	24.22	0.0	25.0	
			36	43	23.31	0.5	24.5	
		QPSK	75	0	23.23	0.5	24.5	
			1	1	24.44	0.0	25.0	
			1	39	24.21	0.0	25.0	
			1	77	24.19	0.0	25.0	
			36	0	23.31	1.0	24.0	
			36	21	24.25	0.0	25.0	
		16QAM	36	43	23.28	1.0	24.0	
			75	0	23.20	1.0	24.0	
			1	1	23.37	1.0	24.0	
		64QAM	1	39	23.08	1.0	24.0	
			1	77	23.10	1.0	24.0	
		256QAM	1	1	22.10	2.5	22.5	
1	1		19.45	4.5	20.5			
CP-OFDM	QPSK	1	1	23.08	1.5	23.5		

NR Band n5 (Ant D) Measured Results (Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					165800	[REDACTED]	168800		
					829.00 MHz		844.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.55		24.25	0.0	25.0
			1	25	24.50		24.30	0.0	25.0
			1	50	24.44		24.26	0.0	25.0
			25	0	23.48		23.21	0.5	24.5
			25	13	24.44		24.29	0.0	25.0
			25	27	23.43		23.11	0.5	24.5
			50	0	23.42		23.18	0.5	24.5
		QPSK	1	1	24.60		24.33	0.0	25.0
			1	25	24.52		24.24	0.0	25.0
			1	50	24.41		24.27	0.0	25.0
			25	0	23.47		23.20	1.0	24.0
			25	13	24.49		24.19	0.0	25.0
			25	27	23.41		23.11	1.0	24.0
		16QAM	50	0	23.45		23.18	1.0	24.0
			1	1	23.34		23.15	1.0	24.0
			1	25	23.35		23.03	1.0	24.0
		64QAM	1	50	23.23		23.06	1.0	24.0
1	1		22.14		21.85	2.5	22.5		
256QAM	1	1	19.50		19.20	4.5	20.5		
CP-OFDM	QPSK	1	1	23.03		22.87	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					165300	167300	169300		
					826.50 MHz	836.50 MHz	846.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.56	24.39	24.32	0.0	25.0
			1	12	24.54	24.37	24.26	0.0	25.0
			1	23	24.44	24.32	24.22	0.0	25.0
			12	0	23.53	23.39	23.14	0.5	24.5
			12	6	24.48	24.39	24.16	0.0	25.0
			12	13	23.47	23.32	23.11	0.5	24.5
			25	0	23.48	23.36	23.14	0.5	24.5
		QPSK	1	1	24.58	24.42	24.25	0.0	25.0
			1	12	24.56	24.40	24.21	0.0	25.0
			1	23	24.49	24.29	24.17	0.0	25.0
			12	0	23.51	23.35	23.22	1.0	24.0
			12	6	24.50	24.36	24.16	0.0	25.0
			12	13	23.45	23.29	23.13	1.0	24.0
		16QAM	25	0	23.54	23.33	23.16	1.0	24.0
			1	1	23.44	23.34	23.16	1.0	24.0
			1	12	23.34	23.22	23.05	1.0	24.0
		64QAM	1	23	23.36	23.27	23.11	1.0	24.0
1	1		22.19	22.09	21.89	2.5	22.5		
256QAM	1	1	19.59	19.44	19.30	4.5	20.5		
CP-OFDM	QPSK	1	1	23.12	23.08	22.89	1.5	23.5	

NR Band n7 (Ant B) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				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
507000		2535.00 MHz				507000		2535.00 MHz				
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.34	0.0	24.0	18.09	0.0	19.0		
			1	107	23.30	0.0	24.0	18.04	0.0	19.0		
			1	214	23.22	0.0	24.0	18.08	0.0	19.0		
			108	0	22.39	0.5	23.5	18.13	0.0	19.0		
			108	54	23.45	0.0	24.0	18.18	0.0	19.0		
			108	108	22.36	0.5	23.5	18.09	0.0	19.0		
		216	0	22.47	0.5	23.5	18.17	0.0	19.0			
		QPSK	1	1	23.41	0.0	24.0	18.15	0.0	19.0		
			1	107	23.32	0.0	24.0	18.04	0.0	19.0		
			1	214	23.18	0.0	24.0	18.08	0.0	19.0		
			108	0	22.41	1.0	23.0	18.16	0.0	19.0		
			108	54	23.49	0.0	24.0	18.15	0.0	19.0		
			108	108	22.41	1.0	23.0	18.10	0.0	19.0		
		216	0	22.36	1.0	23.0	18.08	0.0	19.0			
		16QAM	1	1	22.23	1.0	23.0	17.92	0.0	19.0		
			1	107	22.20	1.0	23.0	17.96	0.0	19.0		
		64QAM	1	1	22.07	1.0	23.0	17.91	0.0	19.0		
			1	214	20.92	2.5	21.5	18.05	0.0	19.0		
		256QAM	1	1	18.37	4.5	19.5	17.51	0.0	19.0		
			1	1	22.01	1.5	22.5	18.32	0.0	19.0		
35 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.16	0.0	24.0	17.98	0.0	19.0		
			1	93	23.33	0.0	24.0	18.10	0.0	19.0		
			1	186	23.07	0.0	24.0	17.98	0.0	19.0		
			90	0	22.36	0.5	23.5	18.00	0.0	19.0		
			90	49	23.27	0.0	24.0	18.03	0.0	19.0		
			90	98	22.20	0.5	23.5	18.02	0.0	19.0		
		180	0	22.23	0.5	23.5	17.99	0.0	19.0			
		QPSK	1	1	23.18	0.0	24.0	18.00	0.0	19.0		
			1	93	23.31	0.0	24.0	18.05	0.0	19.0		
			1	186	23.01	0.0	24.0	18.03	0.0	19.0		
			90	0	22.33	1.0	23.0	18.02	0.0	19.0		
			90	49	23.32	0.0	24.0	18.11	0.0	19.0		
			90	98	22.26	1.0	23.0	18.04	0.0	19.0		
		180	0	22.23	1.0	23.0	18.03	0.0	19.0			
		16QAM	1	1	22.17	1.0	23.0	17.97	0.0	19.0		
			1	93	22.08	1.0	23.0	17.91	0.0	19.0		
		64QAM	1	1	21.86	1.0	23.0	17.84	0.0	19.0		
			1	186	20.92	2.5	21.5	18.15	0.0	19.0		
		256QAM	1	1	18.30	4.5	19.5	17.59	0.0	19.0		
			1	1	21.86	1.5	22.5	18.28	0.0	19.0		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.32	0.0	24.0	18.17	0.0	19.0		
			1	79	23.28	0.0	24.0	18.09	0.0	19.0		
			1	158	23.16	0.0	24.0	18.11	0.0	19.0		
			80	0	22.29	0.5	23.5	18.05	0.0	19.0		
			80	40	23.36	0.0	24.0	18.12	0.0	19.0		
			80	80	22.17	0.5	23.5	18.03	0.0	19.0		
		160	0	22.21	0.5	23.5	18.05	0.0	19.0			
		QPSK	1	1	23.28	0.0	24.0	18.16	0.0	19.0		
			1	79	23.31	0.0	24.0	18.10	0.0	19.0		
			1	158	23.15	0.0	24.0	18.08	0.0	19.0		
			80	0	22.34	1.0	23.0	18.04	0.0	19.0		
			80	40	23.30	0.0	24.0	18.13	0.0	19.0		
			80	80	22.13	1.0	23.0	18.03	0.0	19.0		
		160	0	22.26	1.0	23.0	18.03	0.0	19.0			
		16QAM	1	1	22.14	1.0	23.0	18.01	0.0	19.0		
			1	79	22.04	1.0	23.0	17.98	0.0	19.0		
		64QAM	1	1	21.94	1.0	23.0	17.95	0.0	19.0		
			1	158	20.91	2.5	21.5	18.11	0.0	19.0		
		256QAM	1	1	18.29	4.5	19.5	17.55	0.0	19.0		
			1	1	22.01	1.5	22.5	18.27	0.0	19.0		

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
					507000					507000				
					2535.00 MHz					2535.00 MHz				
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.31	23.31	23.31	0.0	24.0	18.11	18.11	18.11	0.0	19.0
			1	66	23.38	23.38	23.38	0.0	24.0	18.08	18.08	18.08	0.0	19.0
			1	131	23.29	23.29	23.29	0.0	24.0	18.14	18.14	18.14	0.0	19.0
			64	0	22.34	22.34	22.34	0.5	23.5	17.92	17.92	17.92	0.0	19.0
			64	34	23.27	23.27	23.27	0.0	24.0	18.01	18.01	18.01	0.0	19.0
			64	69	22.21	22.21	22.21	0.5	23.5	17.93	17.93	17.93	0.0	19.0
			128	0	22.24	22.24	22.24	0.5	23.5	18.02	18.02	18.02	0.0	19.0
		QPSK	1	1	23.36	23.36	23.36	0.0	24.0	18.05	18.05	18.05	0.0	19.0
			1	66	23.28	23.28	23.28	0.0	24.0	18.04	18.04	18.04	0.0	19.0
			1	131	23.16	23.16	23.16	0.0	24.0	18.10	18.10	18.10	0.0	19.0
			64	0	22.26	22.26	22.26	1.0	23.0	17.98	17.98	17.98	0.0	19.0
			64	34	23.25	23.25	23.25	0.0	24.0	18.09	18.09	18.09	0.0	19.0
			64	69	22.22	22.22	22.22	1.0	23.0	17.98	17.98	17.98	0.0	19.0
			128	0	22.19	22.19	22.19	1.0	23.0	17.98	17.98	17.98	0.0	19.0
			16QAM	1	1	22.17	22.17	22.17	1.0	23.0	17.94	17.94	17.94	0.0
64QAM	1	1	20.90	20.90	20.90	2.5	21.5	18.11	18.11	18.11	0.0	19.0		
256QAM	1	1	18.30	18.30	18.30	4.5	19.5	17.59	17.59	17.59	0.0	19.0		
CP-OFDM	QPSK	1	1	21.95	21.95	21.95	1.5	22.5	18.26	18.26	18.26	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
					502000	507000	512000			502000	507000	512000		
					2510.00 MHz	2535.00 MHz	2560.00 MHz			2510.00 MHz	2535.00 MHz	2560.00 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.21	23.28	23.27	0.0	24.0	18.09	17.98	17.92	0.0	19.0
			1	52	23.22	23.30	23.20	0.0	24.0	18.05	17.94	18.02	0.0	19.0
			1	104	23.20	23.15	23.15	0.0	24.0	18.09	17.94	18.02	0.0	19.0
			50	0	22.23	22.22	22.26	0.5	23.5	18.02	17.92	17.88	0.0	19.0
			50	28	23.29	23.33	23.30	0.0	24.0	18.12	18.02	17.91	0.0	19.0
			50	56	22.24	22.18	22.20	0.5	23.5	17.98	17.90	17.92	0.0	19.0
			100	0	22.31	22.22	22.31	0.5	23.5	18.11	17.93	18.00	0.0	19.0
		QPSK	1	1	23.29	23.29	23.26	0.0	24.0	18.07	17.89	17.96	0.0	19.0
			1	52	23.26	23.27	23.23	0.0	24.0	18.04	18.00	18.07	0.0	19.0
			1	104	23.30	23.26	23.23	0.0	24.0	18.06	17.93	18.00	0.0	19.0
			50	0	22.26	22.29	22.26	1.0	23.0	18.03	17.92	17.90	0.0	19.0
			50	28	23.31	23.32	23.26	0.0	24.0	18.10	18.01	17.95	0.0	19.0
			50	56	22.23	22.27	22.21	1.0	23.0	18.03	17.90	17.98	0.0	19.0
			100	0	22.34	22.23	22.37	1.0	23.0	18.09	17.93	17.98	0.0	19.0
			16QAM	1	1	22.15	22.13	22.03	1.0	23.0	17.89	17.84	17.81	0.0
64QAM	1	1	20.84	20.89	20.86	2.5	21.5	18.12	18.02	18.03	0.0	19.0		
256QAM	1	1	18.17	18.13	18.16	4.5	19.5	17.42	17.37	17.33	0.0	19.0		
CP-OFDM	QPSK	1	1	21.91	21.91	21.76	1.5	22.5	18.22	18.11	18.03	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
					501500	507000	512500			501500	507000	512500		
					2507.50 MHz	2535.00 MHz	2562.50 MHz			2507.50 MHz	2535.00 MHz	2562.50 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.29	23.38	23.15	0.0	24.0	18.01	18.03	18.00	0.0	19.0
			1	39	23.29	23.31	23.02	0.0	24.0	17.96	17.99	17.92	0.0	19.0
			1	77	23.27	23.27	23.00	0.0	24.0	18.01	17.87	17.98	0.0	19.0
			36	0	22.28	22.27	21.97	0.5	23.5	17.90	17.89	17.91	0.0	19.0
			36	21	23.24	23.42	23.09	0.0	24.0	18.10	17.97	17.94	0.0	19.0
			36	43	22.22	22.14	21.91	0.5	23.5	17.92	17.89	17.92	0.0	19.0
			75	0	22.22	22.19	21.96	0.5	23.5	17.97	17.90	17.94	0.0	19.0
		QPSK	1	1	23.24	23.29	23.12	0.0	24.0	18.07	17.90	17.90	0.0	19.0
			1	39	23.16	23.29	22.96	0.0	24.0	17.99	18.01	18.02	0.0	19.0
			1	77	23.21	23.24	22.96	0.0	24.0	18.04	17.89	18.02	0.0	19.0
			36	0	22.21	22.27	22.08	1.0	23.0	17.96	17.89	17.85	0.0	19.0
			36	21	23.36	23.38	23.04	0.0	24.0	18.11	17.98	18.00	0.0	19.0
			36	43	22.21	22.22	21.92	1.0	23.0	17.93	17.90	17.92	0.0	19.0
			75	0	22.25	22.29	21.96	1.0	23.0	17.99	17.89	17.97	0.0	19.0
			16QAM	1	1	22.01	22.13	21.93	1.0	23.0	17.93	17.86	17.85	0.0
64QAM	1	1	20.83	20.92	20.66	2.5	21.5	18.16	18.05	17.99	0.0	19.0		
256QAM	1	1	18.29	18.32	18.08	4.5	19.5	17.56	17.45	17.41	0.0	19.0		
CP-OFDM	QPSK	1	1	21.91	21.93	21.70	1.5	22.5	18.25	18.19	18.11	0.0	19.0	

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
					501000	507000	513000			501000	507000	513000		
					2505.00 MHz	2535.00 MHz	2565.00 MHz			2505.00 MHz	2535.00 MHz	2565.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.09	23.34	22.95	0.0	24.0	18.10	18.02	17.90	0.0	19.0
			1	25	23.26	23.23	22.88	0.0	24.0	18.10	18.01	17.93	0.0	19.0
			1	50	23.26	23.23	22.80	0.0	24.0	17.95	18.01	17.90	0.0	19.0
			25	0	22.15	22.22	21.93	0.5	23.5	17.95	17.93	17.89	0.0	19.0
			25	13	23.21	23.21	22.91	0.0	24.0	18.01	18.03	17.94	0.0	19.0
			25	27	22.15	22.15	21.79	0.5	23.5	17.95	17.92	17.84	0.0	19.0
			50	0	22.15	22.13	21.78	0.5	23.5	17.94	17.93	17.88	0.0	19.0
		1	1	23.02	23.22	22.97	0.0	24.0	18.06	18.00	17.90	0.0	19.0	
		1	25	23.02	23.32	22.85	0.0	24.0	18.02	17.99	17.95	0.0	19.0	
		1	50	23.24	23.16	22.81	0.0	24.0	18.00	18.01	17.94	0.0	19.0	
		25	0	22.17	22.25	21.85	1.0	23.0	18.01	17.89	17.87	0.0	19.0	
		25	13	23.11	23.20	22.86	0.0	24.0	18.06	18.02	17.99	0.0	19.0	
		25	27	22.20	22.25	21.82	1.0	23.0	17.99	17.92	17.88	0.0	19.0	
		50	0	22.25	22.23	21.81	1.0	23.0	17.97	17.92	17.90	0.0	19.0	
		1	1	22.15	22.00	21.82	1.0	23.0	17.93	17.90	17.90	0.0	19.0	
	1	25	22.05	22.06	21.64	1.0	23.0	17.90	17.89	17.82	0.0	19.0		
1	50	22.08	22.04	21.65	1.0	23.0	17.88	17.78	17.82	0.0	19.0			
1	1	20.93	20.90	20.59	2.5	21.5	18.15	18.05	17.97	0.0	19.0			
1	1	18.17	18.17	17.89	4.5	19.5	17.47	17.39	17.39	0.0	19.0			
	CP-OFDM	QPSK	1	1	21.88	21.91	21.58	1.5	22.5	18.26	18.18	18.14	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
					500500	507000	513500			500500	507000	513500		
					2502.50 MHz	2535.00 MHz	2567.50 MHz			2502.50 MHz	2535.00 MHz	2567.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.18	23.21	22.81	0.0	24.0	18.12	17.94	17.87	0.0	19.0
			1	12	23.14	23.35	22.89	0.0	24.0	18.19	18.05	18.07	0.0	19.0
			1	23	23.10	23.21	22.84	0.0	24.0	18.02	17.95	17.92	0.0	19.0
			12	0	22.11	22.09	21.78	0.5	23.5	18.02	17.89	17.78	0.0	19.0
			12	6	23.15	23.27	22.88	0.0	24.0	18.15	18.02	17.94	0.0	19.0
			12	13	22.24	22.23	21.80	0.5	23.5	18.05	17.91	17.92	0.0	19.0
			25	0	22.27	22.15	21.84	0.5	23.5	18.02	17.93	17.84	0.0	19.0
		1	1	23.03	23.25	22.84	0.0	24.0	18.11	17.92	17.83	0.0	19.0	
		1	12	23.10	23.24	22.94	0.0	24.0	18.13	18.04	17.96	0.0	19.0	
		1	23	23.16	23.11	22.77	0.0	24.0	18.07	17.94	17.87	0.0	19.0	
		12	0	22.12	22.16	21.79	1.0	23.0	18.01	17.88	17.84	0.0	19.0	
		12	6	23.01	23.32	22.85	0.0	24.0	18.16	18.03	17.92	0.0	19.0	
		12	13	22.27	22.13	21.82	1.0	23.0	18.08	17.92	17.92	0.0	19.0	
		25	0	22.21	22.22	21.87	1.0	23.0	18.06	17.93	17.83	0.0	19.0	
		1	1	22.06	22.05	21.72	1.0	23.0	18.06	17.86	17.76	0.0	19.0	
	1	12	22.03	22.15	21.71	1.0	23.0	18.08	17.88	17.88	0.0	19.0		
1	23	22.19	22.04	21.72	1.0	23.0	18.12	17.89	17.91	0.0	19.0			
1	1	20.91	20.82	20.50	2.5	21.5	18.21	18.06	17.95	0.0	19.0			
1	1	18.24	18.20	17.81	4.5	19.5	17.56	17.35	17.29	0.0	19.0			
	CP-OFDM	QPSK	1	1	21.84	21.92	21.48	1.5	22.5	18.32	18.18	18.10	0.0	19.0

NR Band n7 (Ant E) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			Maximum Allowed Average Power (dBm)			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)		
					507000	2535.00 MHz				507000	2535.00 MHz				507000	2535.00 MHz	
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.44	0.0	24.0	18.33	0.0	20.0	17.55	0.0	19.0				
			1	107	22.34	0.0	24.0	18.09	0.0	20.0	17.37	0.0	19.0				
			1	214	22.45	0.0	24.0	18.21	0.0	20.0	17.37	0.0	19.0				
			108	0	21.43	0.5	23.5	18.22	0.0	20.0	17.40	0.0	19.0				
			108	54	22.52	0.0	24.0	18.20	0.0	20.0	17.40	0.0	19.0				
			108	108	21.40	0.5	23.5	18.20	0.0	20.0	17.34	0.0	19.0				
			216	0	21.47	0.5	23.5	18.30	0.0	20.0	17.34	0.0	19.0				
		QPSK	1	1	22.45	0.0	24.0	18.24	0.0	20.0	17.54	0.0	19.0				
			1	107	22.37	0.0	24.0	18.08	0.0	20.0	17.35	0.0	19.0				
			1	214	22.49	0.0	24.0	18.31	0.0	20.0	17.38	0.0	19.0				
			108	0	21.46	1.0	23.0	18.21	0.0	20.0	17.43	0.0	19.0				
			108	54	22.55	0.0	24.0	18.26	0.0	20.0	17.38	0.0	19.0				
			108	108	21.44	1.0	23.0	18.17	0.0	20.0	17.35	0.0	19.0				
			216	0	21.51	1.0	23.0	18.32	0.0	20.0	17.50	0.0	19.0				
		16QAM	1	1	21.30	1.0	23.0	18.18	0.0	20.0	17.34	0.0	19.0				
			1	107	21.39	1.0	23.0	18.06	0.0	20.0	17.28	0.0	19.0				
			1	214	21.29	1.0	23.0	18.21	0.0	20.0	17.20	0.0	19.0				
64QAM	1	1	20.09	2.5	21.5	18.33	0.0	20.0	17.51	0.0	19.0						
	1	1	17.51	4.5	19.5	17.53	0.5	19.5	16.97	0.0	19.0						
CP-OFDM	QPSK	1	1	21.14	1.5	22.5	18.38	0.0	20.0	17.56	0.0	19.0					
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			Measured Pwr (dBm)			Measured Pwr (dBm)						
					503500	510500	MPR	Tune-up Limit	503500	510500	MPR	Tune-up Limit	503500	510500	MPR	Tune-up Limit	
					2517.50 MHz	2552.50 MHz			2517.50 MHz	2552.50 MHz			2517.50 MHz	2552.50 MHz			
					35 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.55	22.31	0.0	24.0	18.43	18.14	0.0	20.0
1	93	22.56	22.65	0.0				24.0	18.44	18.29	0.0	20.0	17.48	17.48	0.0	19.0	
1	186	22.37	22.65	0.0				24.0	18.19	18.45	0.0	20.0	17.33	17.34	0.0	19.0	
90	0	21.53	21.56	0.5				23.5	18.39	18.25	0.0	20.0	17.41	17.38	0.0	19.0	
90	49	22.68	22.69	0.0				24.0	18.46	18.46	0.0	20.0	17.48	17.46	0.0	19.0	
90	98	21.49	21.61	0.5				23.5	18.28	18.44	0.0	20.0	17.42	17.39	0.0	19.0	
180	0	21.54	21.65	0.5				23.5	18.38	18.43	0.0	20.0	17.39	17.36	0.0	19.0	
QPSK	1	1	22.51	22.35			0.0	24.0	18.35	18.08	0.0	20.0	17.47	17.43	0.0	19.0	
	1	93	22.58	22.66			0.0	24.0	18.41	18.44	0.0	20.0	17.47	17.45	0.0	19.0	
	1	186	22.40	22.70			0.0	24.0	18.17	18.49	0.0	20.0	17.36	17.29	0.0	19.0	
	90	0	21.60	21.52			1.0	23.0	18.38	18.31	0.0	20.0	17.43	17.35	0.0	19.0	
	90	49	22.68	22.75			0.0	24.0	18.47	18.45	0.0	20.0	17.56	17.43	0.0	19.0	
	90	98	21.54	21.60			1.0	23.0	18.31	18.47	0.0	20.0	17.41	17.39	0.0	19.0	
	180	0	21.50	21.66			1.0	23.0	18.37	18.40	0.0	20.0	17.38	17.38	0.0	19.0	
16QAM	1	1	21.51	21.34			1.0	23.0	18.39	18.11	0.0	20.0	17.32	17.34	0.0	19.0	
	1	93	21.41	21.55			1.0	23.0	18.29	18.30	0.0	20.0	17.30	17.26	0.0	19.0	
	1	186	21.42	21.64			1.0	23.0	18.17	18.42	0.0	20.0	17.27	17.25	0.0	19.0	
64QAM	1	1	20.23	20.07	2.5	21.5	18.53	18.28	0.0	20.0	17.51	17.51	0.0	19.0			
256QAM	1	1	17.61	17.43	4.5	19.5	17.65	17.38	0.5	19.5	16.92	16.93	0.0	19.0			
CP-OFDM	QPSK	1	1	21.32	20.98	1.5	22.5	18.58	18.32	0.0	20.0	17.65	17.55	0.0	19.0		

NR Band n7 (Ant E) Measured Results (Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				Tune-up Limit	Measured Pwr (dBm)				Tune-up Limit						
					503000		MPR	511000		503000		MPR	511000							
					2515.00 MHz			2555.00 MHz			2515.00 MHz				2555.00 MHz					
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.65		22.50	0.0	24.0	18.53		18.29	0.0	20.0	17.53		17.41	0.0	19.0	
			1	79	22.65		22.66	0.0	24.0	18.43		18.40	0.0	20.0	17.55		17.42	0.0	19.0	
			1	158	22.57		22.73	0.0	24.0	18.21		18.52	0.0	20.0	17.55		17.32	0.0	19.0	
			80	0	21.59		22.59	0.5	23.5	18.33		18.31	0.0	20.0	17.46		17.33	0.0	19.0	
			80	40	22.59		21.54	0.0	24.0	18.44		18.42	0.0	20.0	17.56		17.40	0.0	19.0	
			80	80	21.52		21.58	0.5	23.5	18.33		18.34	0.0	20.0	17.72		17.34	0.0	19.0	
			160	0	21.56		21.62	0.5	23.5	18.36		18.39	0.0	20.0	17.58		17.35	0.0	19.0	
		QPSK	1	1	22.68		22.49	0.0	24.0	18.52		18.41	0.0	20.0	17.53		17.41	0.0	19.0	
			1	79	22.56		22.65	0.0	24.0	18.38		18.39	0.0	20.0	17.49		17.40	0.0	19.0	
			1	158	22.59		22.76	0.0	24.0	18.15		18.57	0.0	20.0	17.29		17.32	0.0	19.0	
			80	0	21.58		21.54	1.0	23.0	18.49		18.29	0.0	20.0	17.35		17.30	0.0	19.0	
			80	40	22.61		22.67	0.0	24.0	18.44		18.41	0.0	20.0	17.43		17.41	0.0	19.0	
			80	80	21.57		21.60	1.0	23.0	18.36		18.34	0.0	20.0	17.39		17.29	0.0	19.0	
		16QAM	1	1	21.58		21.39	1.0	23.0	18.40		18.27	0.0	20.0	17.49		17.33	0.0	19.0	
			1	79	21.44		21.51	1.0	23.0	18.27		18.31	0.0	20.0	17.52		17.22	0.0	19.0	
			1	158	21.44		21.61	1.0	23.0	18.15		18.38	0.0	20.0	17.52		17.12	0.0	19.0	
64QAM	1	1	20.30		20.10	2.5	21.5	18.57		18.31	0.0	20.0	17.48		17.51	0.0	19.0			
256QAM	1	1	17.70		17.44	4.5	19.5	17.71		17.38	0.5	19.5	16.89		16.82	0.0	19.0			
CP-OFDM	QPSK	1	1	21.25		21.18	1.5	22.5	18.60		18.28	0.0	20.0	17.55		17.57	0.0	19.0		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.72		22.64	0.0	24.0	18.63		18.39	0.0	20.0	17.65		17.52	0.0	19.0	
			1	66	22.73		22.62	0.0	24.0	18.48		18.45	0.0	20.0	17.57		17.35	0.0	19.0	
			1	131	22.61		22.79	0.0	24.0	18.42		18.62	0.0	20.0	17.52		17.40	0.0	19.0	
			64	0	21.68		21.55	0.5	23.5	18.38		18.26	0.0	20.0	17.46		17.39	0.0	19.0	
			64	34	22.72		22.70	0.0	24.0	18.51		18.44	0.0	20.0	17.56		17.35	0.0	19.0	
			64	69	21.58		21.63	0.5	23.5	18.45		18.42	0.0	20.0	17.51		17.24	0.0	19.0	
			128	0	21.70		21.68	0.5	23.5	18.45		18.40	0.0	20.0	17.55		17.27	0.0	19.0	
			1	1	22.72		22.68	0.0	24.0	18.61		18.39	0.0	20.0	17.62		17.52	0.0	19.0	
		QPSK	1	66	22.76		22.72	0.0	24.0	18.47		18.44	0.0	20.0	17.60		17.40	0.0	19.0	
			1	131	22.68		22.89	0.0	24.0	18.32		18.62	0.0	20.0	17.54		17.45	0.0	19.0	
			64	0	21.69		21.56	1.0	23.0	18.42		18.29	0.0	20.0	17.51		17.40	0.0	19.0	
			64	34	22.75		22.71	0.0	24.0	18.50		18.41	0.0	20.0	17.60		17.36	0.0	19.0	
			64	69	21.61		21.65	1.0	23.0	18.44		18.43	0.0	20.0	17.51		17.28	0.0	19.0	
			128	0	21.68		21.65	1.0	23.0	18.42		18.40	0.0	20.0	17.53		17.35	0.0	19.0	
			1	1	21.59		21.49	1.0	23.0	18.49		18.30	0.0	20.0	17.41		17.35	0.0	19.0	
			1	66	21.59		21.52	1.0	23.0	18.35		18.28	0.0	20.0	17.39		17.24	0.0	19.0	
		16QAM	1	131	21.62		21.71	1.0	23.0	18.32		18.48	0.0	20.0	17.48		17.23	0.0	19.0	
			64QAM	1	1	20.33		20.22	2.5	21.5	18.56		18.47	0.0	20.0	17.59		17.53	0.0	19.0
			256QAM	1	1	17.68		17.62	4.5	19.5	17.75		17.57	0.5	19.5	17.02		16.97	0.0	19.0
		CP-OFDM	QPSK	1	1	21.41		21.25	1.5	22.5	18.85		18.58	0.0	20.0	17.69		17.55	0.0	19.0

NR Band n7 (Ant E) 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
					502000	507000	512000			502000	507000	512000			502000	507000	512000		
					2510.00 MHz	2535.00 MHz	2560.00 MHz			2510.00 MHz	2535.00 MHz	2560.00 MHz			2510.00 MHz	2535.00 MHz	2560.00 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.62	22.52	22.50	0.0	24.0	18.47	18.35	18.39	0.0	20.0	17.43	17.41	17.20	0.0	19.0
			1	52	22.65	22.48	22.60	0.0	24.0	18.38	18.19	18.40	0.0	20.0	17.32	17.39	17.22	0.0	19.0
			1	104	22.65	22.55	22.73	0.0	24.0	18.37	18.26	18.48	0.0	20.0	17.46	17.39	17.25	0.0	19.0
			50	0	21.59	21.42	21.62	0.5	23.5	18.43	18.14	18.29	0.0	20.0	17.37	17.33	17.29	0.0	19.0
			50	28	22.69	22.52	22.68	0.0	24.0	18.45	18.26	18.40	0.0	20.0	17.37	17.39	17.30	0.0	19.0
			50	56	21.61	21.39	21.67	0.5	23.5	18.36	18.10	18.37	0.0	20.0	17.39	17.33	17.43	0.0	19.0
		100	0	21.73	21.56	21.69	0.5	23.5	18.42	18.25	18.41	0.0	20.0	17.50	17.42	17.31	0.0	19.0	
		QPSK	1	1	22.61	22.51	22.55	0.0	24.0	18.50	18.18	18.36	0.0	20.0	17.40	17.40	17.34	0.0	19.0
			1	52	22.67	22.47	22.61	0.0	24.0	18.44	18.19	18.41	0.0	20.0	17.39	17.40	17.37	0.0	19.0
			1	104	22.55	22.54	22.76	0.0	24.0	18.44	18.32	18.48	0.0	20.0	17.45	17.33	17.38	0.0	19.0
			50	0	21.62	21.41	21.61	1.0	23.0	18.41	18.16	18.29	0.0	20.0	17.40	17.34	17.28	0.0	19.0
			50	28	22.71	22.52	22.68	0.0	24.0	18.42	18.18	18.37	0.0	20.0	17.48	17.45	17.30	0.0	19.0
			50	56	21.63	21.39	21.72	1.0	23.0	18.36	18.21	18.39	0.0	20.0	17.42	17.32	17.42	0.0	19.0
		100	0	21.70	21.55	21.70	1.0	23.0	18.47	18.26	18.42	0.0	20.0	17.49	17.42	17.32	0.0	19.0	
		16QAM	1	1	21.50	21.35	21.40	1.0	23.0	18.32	18.17	18.11	0.0	20.0	17.30	17.25	17.36	0.0	19.0
1	52		21.56	21.36	21.50	1.0	23.0	18.26	18.10	18.24	0.0	20.0	17.40	17.23	17.39	0.0	19.0		
1	104		21.42	21.42	21.60	1.0	23.0	18.26	18.18	18.36	0.0	20.0	17.29	17.28	17.39	0.0	19.0		
64QAM	1	1	20.19	20.07	20.13	2.5	21.5	18.49	18.39	18.38	0.0	20.0	17.46	17.42	17.58	0.0	19.0		
256QAM	1	1	17.50	17.35	17.42	4.5	19.5	17.57	17.40	17.35	0.5	19.5	16.80	16.78	16.85	0.0	19.0		
CP-OFDM	QPSK	1	1	21.31	21.14	21.18	1.5	22.5	18.52	18.36	18.49	0.0	20.0	17.61	17.44	17.58	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
					501500	507000	512500			501500	507000	512500			501500	507000	512500		
					2507.50 MHz	2535.00 MHz	2562.50 MHz			2507.50 MHz	2535.00 MHz	2562.50 MHz			2507.50 MHz	2535.00 MHz	2562.50 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.64	22.50	22.71	0.0	24.0	18.54	18.20	18.30	0.0	20.0	17.26	17.27	17.45	0.0	19.0
			1	39	22.57	22.49	22.69	0.0	24.0	18.45	18.14	18.51	0.0	20.0	17.31	17.26	17.18	0.0	19.0
			1	77	22.66	22.52	22.84	0.0	24.0	18.42	18.26	18.55	0.0	20.0	17.40	17.29	17.28	0.0	19.0
			36	0	21.58	21.46	21.67	0.5	23.5	18.41	18.22	18.32	0.0	20.0	17.31	17.37	17.33	0.0	19.0
			36	21	22.79	22.61	22.76	0.0	24.0	18.55	18.12	18.54	0.0	20.0	17.31	17.36	17.38	0.0	19.0
			36	43	21.58	21.46	21.65	0.5	23.5	18.31	18.16	18.41	0.0	20.0	17.37	17.53	17.36	0.0	19.0
			75	0	21.62	21.47	21.67	0.5	23.5	18.44	18.18	18.43	0.0	20.0	17.41	17.36	17.53	0.0	19.0
		QPSK	1	1	22.70	22.52	22.63	0.0	24.0	18.53	18.19	18.27	0.0	20.0	17.32	17.38	17.36	0.0	19.0
			1	39	22.67	22.49	22.60	0.0	24.0	18.39	18.17	18.49	0.0	20.0	17.32	17.40	17.43	0.0	19.0
			1	77	22.74	22.53	22.86	0.0	24.0	18.41	18.30	18.54	0.0	20.0	17.50	17.35	17.48	0.0	19.0
			36	0	21.62	21.48	21.64	1.0	23.0	18.41	18.19	18.29	0.0	20.0	17.31	17.33	17.44	0.0	19.0
			36	21	22.75	22.63	22.71	0.0	24.0	18.38	18.28	18.58	0.0	20.0	17.44	17.36	17.37	0.0	19.0
			36	43	21.64	21.45	21.71	1.0	23.0	18.26	18.23	18.41	0.0	20.0	17.31	17.41	17.37	0.0	19.0
			75	0	21.66	21.46	21.65	1.0	23.0	18.33	18.13	18.44	0.0	20.0	17.35	17.36	17.51	0.0	19.0
		16QAM	1	1	21.58	21.42	21.45	1.0	23.0	18.35	18.21	18.33	0.0	20.0	17.31	17.38	17.35	0.0	19.0
			1	39	21.56	21.37	21.56	1.0	23.0	18.28	18.06	18.37	0.0	20.0	17.31	17.42	17.52	0.0	19.0
			1	77	21.58	21.40	21.68	1.0	23.0	18.29	18.21	18.39	0.0	20.0	17.52	17.44	17.45	0.0	19.0
		64QAM	1	1	20.29	20.13	20.16	2.5	21.5	18.60	18.35	18.46	0.0	20.0	17.48	17.64	17.46	0.0	19.0
256QAM	1	1	17.62	17.51	17.61	4.5	19.5	17.68	17.48	17.57	0.5	19.5	16.85	16.89	17.67	0.0	19.0		
CP-OFDM	QPSK	1	1	21.33	21.10	21.25	1.5	22.5	18.48	18.44	18.56	0.0	20.0	17.41	17.51	16.97	0.0	19.0	

NR Band n7 (Ant E) 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
					501000	507000	513000			501000	507000	513000			501000	507000	513000		
					2505.00 MHz	2535.00 MHz	2565.00 MHz			2505.00 MHz	2535.00 MHz	2565.00 MHz			2505.00 MHz	2535.00 MHz	2565.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.79	22.54	22.70	0.0	24.0	18.54	18.36	18.40	0.0	20.0	17.22	17.24	17.23	0.0	19.0
			1	25	22.76	22.54	22.65	0.0	24.0	18.52	18.25	18.37	0.0	20.0	17.31	17.28	17.29	0.0	19.0
			1	50	22.66	22.51	22.68	0.0	24.0	18.51	18.36	18.45	0.0	20.0	17.23	17.30	17.26	0.0	19.0
			25	0	21.61	21.46	21.64	0.5	23.5	18.43	18.24	18.26	0.0	20.0	17.44	17.48	17.38	0.0	19.0
			25	13	22.67	22.59	22.67	0.0	24.0	18.49	18.25	18.37	0.0	20.0	17.27	17.41	17.26	0.0	19.0
			25	27	21.59	21.45	21.62	0.5	23.5	18.37	18.25	18.25	0.0	20.0	17.40	17.45	17.35	0.0	19.0
		50	0	21.60	21.48	21.60	0.5	23.5	18.37	18.22	18.27	0.0	20.0	17.35	17.38	17.29	0.0	19.0	
		QPSK	1	1	22.79	22.57	22.69	0.0	24.0	18.52	18.37	18.37	0.0	20.0	17.32	17.34	17.35	0.0	19.0
			1	25	22.69	22.53	22.66	0.0	24.0	18.51	18.24	18.34	0.0	20.0	17.40	17.43	17.32	0.0	19.0
			1	50	22.69	22.49	22.66	0.0	24.0	18.51	18.29	18.45	0.0	20.0	17.38	17.44	17.32	0.0	19.0
			25	0	21.63	21.45	21.61	1.0	23.0	18.40	18.23	18.23	0.0	20.0	17.45	17.45	17.33	0.0	19.0
			25	13	22.68	22.59	22.71	0.0	24.0	18.53	18.19	18.36	0.0	20.0	17.31	17.31	17.24	0.0	19.0
			25	27	21.62	21.45	21.60	1.0	23.0	18.41	18.16	18.25	0.0	20.0	17.43	17.46	17.34	0.0	19.0
		16QAM	1	1	21.57	21.40	21.57	1.0	23.0	18.40	18.18	18.26	0.0	20.0	17.32	17.44	17.26	0.0	19.0
			1	25	21.57	21.40	21.52	1.0	23.0	18.40	18.16	18.22	0.0	20.0	17.41	17.40	17.22	0.0	19.0
			1	50	21.54	21.38	21.55	1.0	23.0	18.37	18.18	18.24	0.0	20.0	17.41	17.41	17.28	0.0	19.0
		64QAM	1	1	20.27	20.12	20.26	2.5	21.5	18.59	18.34	18.44	0.0	20.0	17.48	17.42	17.37	0.0	19.0
		256QAM	1	1	17.61	17.41	17.56	4.5	19.5	17.59	17.38	17.44	0.5	19.5	16.81	16.78	16.72	0.0	19.0
CP-OFDM	QPSK	1	1	21.37	21.17	21.33	1.5	22.5	18.59	18.45	18.47	0.0	20.0	17.47	17.42	17.41	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
					500500	507000	513500			500500	507000	513500			500500	507000	513500		
					2502.50 MHz	2535.00 MHz	2567.50 MHz			2502.50 MHz	2535.00 MHz	2567.50 MHz			2502.50 MHz	2535.00 MHz	2567.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.78	22.47	22.61	0.0	24.0	18.50	18.22	18.28	0.0	20.0	17.25	17.30	17.28	0.0	19.0
			1	12	22.78	22.58	22.71	0.0	24.0	18.57	18.33	18.54	0.0	20.0	17.35	17.31	17.19	0.0	19.0
			1	23	22.70	22.49	22.64	0.0	24.0	18.51	18.25	18.43	0.0	20.0	17.21	17.29	17.23	0.0	19.0
			12	0	21.80	21.48	21.53	0.5	23.5	18.47	18.21	18.21	0.0	20.0	17.32	17.28	17.28	0.0	19.0
			12	6	22.77	22.56	22.67	0.0	24.0	18.57	18.35	18.38	0.0	20.0	17.42	17.29	17.34	0.0	19.0
			12	13	21.68	21.51	21.64	0.5	23.5	18.47	18.25	18.38	0.0	20.0	17.44	17.44	17.32	0.0	19.0
		25	0	21.72	21.46	21.57	0.5	23.5	18.46	18.20	18.29	0.0	20.0	17.30	17.30	17.24	0.0	19.0	
		QPSK	1	1	22.79	22.46	22.62	0.0	24.0	18.50	18.26	18.30	0.0	20.0	17.42	17.36	17.33	0.0	19.0
			1	12	22.76	22.57	22.72	0.0	24.0	18.57	18.35	18.40	0.0	20.0	17.37	17.40	17.35	0.0	19.0
			1	23	22.68	22.50	22.66	0.0	24.0	18.53	18.26	18.41	0.0	20.0	17.27	17.31	17.29	0.0	19.0
			12	0	21.71	21.48	21.58	1.0	23.0	18.44	18.20	18.29	0.0	20.0	17.18	17.30	17.23	0.0	19.0
			12	6	22.78	22.57	22.69	0.0	24.0	18.59	18.33	18.41	0.0	20.0	17.32	17.31	17.43	0.0	19.0
			12	13	21.68	21.50	21.64	1.0	23.0	18.45	18.20	18.32	0.0	20.0	17.37	17.41	17.28	0.0	19.0
		16QAM	1	1	21.65	21.43	21.55	1.0	23.0	18.45	18.22	18.26	0.0	20.0	17.52	17.37	17.41	0.0	19.0
			1	12	21.65	21.44	21.59	1.0	23.0	18.46	18.08	18.28	0.0	20.0	17.52	17.42	17.35	0.0	19.0
			1	23	21.66	21.42	21.59	1.0	23.0	18.51	18.20	18.37	0.0	20.0	17.52	17.35	17.37	0.0	19.0
		64QAM	1	1	20.46	20.13	20.27	2.5	21.5	18.62	18.39	18.41	0.0	20.0	17.49	17.39	17.41	0.0	19.0
		256QAM	1	1	17.65	17.45	17.60	4.5	19.5	17.64	17.40	17.46	0.5	19.5	16.74	16.74	16.75	0.0	19.0
CP-OFDM	QPSK	1	1	21.44	21.21	21.35	1.5	22.5	18.62	18.37	18.55	0.0	20.0	17.44	17.36	17.52	0.0	19.0	

NR Band n12 (Ant A & Ant A+B) 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)				
					140300	141500	142700		
					701.50 MHz	707.50 MHz	713.50 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.84			0.0	25.0
			1	39	23.76			0.0	25.0
			1	77	23.67			0.0	25.0
			36	0	22.89			0.5	24.5
			36	21	23.83			0.0	25.0
			36	43	22.81			0.5	24.5
		75	0	22.83			0.5	24.5	
		QPSK	1	1	23.85			0.0	25.0
			1	39	23.65			0.0	25.0
			1	77	23.65			0.0	25.0
			36	0	22.87			1.0	24.0
			36	21	23.82			0.0	25.0
			36	43	22.81			1.0	24.0
		16QAM	75	0	22.84			1.0	24.0
			1	1	22.81			1.0	24.0
			1	39	22.57			1.0	24.0
		64QAM	1	77	22.63			1.0	24.0
			1	1	21.53			2.5	22.5
		256QAM	1	1	18.87			4.5	20.5
			1	1	22.43			1.5	23.5
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.79			0.0	25.0
			1	25	23.71			0.0	25.0
			1	50	23.66			0.0	25.0
			25	0	22.67			0.5	24.5
			25	13	23.69			0.0	25.0
			25	27	22.60			0.5	24.5
		50	0	22.62			0.5	24.5	
		QPSK	1	1	23.77			0.0	25.0
			1	25	23.73			0.0	25.0
			1	50	23.71			0.0	25.0
			25	0	22.64			1.0	24.0
			25	13	23.67			0.0	25.0
			25	27	22.58			1.0	24.0
		16QAM	50	0	22.62			1.0	24.0
			1	1	22.62			1.0	24.0
			1	25	22.51			1.0	24.0
		64QAM	1	50	22.55			1.0	24.0
			1	1	21.30			2.5	22.5
		256QAM	1	1	18.62			4.5	20.5
			1	1	22.23			1.5	23.5
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.79	23.62	23.55	0.0	25.0
			1	12	23.90	23.73	23.79	0.0	25.0
			1	23	23.69	23.59	23.59	0.0	25.0
			12	0	22.85	22.59	22.56	0.5	24.5
			12	6	23.87	23.64	23.59	0.0	25.0
			12	13	22.68	22.55	22.67	0.5	24.5
		25	0	22.72	22.64	22.55	0.5	24.5	
		QPSK	1	1	23.84	23.65	23.58	0.0	25.0
			1	12	23.77	23.75	23.68	0.0	25.0
			1	23	23.69	23.64	23.59	0.0	25.0
			12	0	22.86	22.65	22.59	1.0	24.0
			12	6	23.89	23.65	23.65	0.0	25.0
			12	13	22.70	22.55	22.66	1.0	24.0
		16QAM	25	0	22.71	22.62	22.57	1.0	24.0
			1	1	22.77	22.51	22.56	1.0	24.0
			1	12	22.62	22.54	22.50	1.0	24.0
		64QAM	1	23	22.60	22.56	22.52	1.0	24.0
			1	1	21.48	21.31	21.20	2.5	22.5
		256QAM	1	1	18.87	18.71	18.89	4.5	20.5
			1	1	22.48	22.28	22.45	1.5	23.5

NR Band n12 (Ant D) 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)				
					140300	141500	142700		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.75	23.75	23.75	0.0	25.0
			1	39	23.57	23.57	23.57	0.0	25.0
			1	77	23.52	23.52	23.52	0.0	25.0
			36	0	22.73	22.73	22.73	0.5	24.5
			36	21	23.70	23.70	23.70	0.0	25.0
			36	43	22.60	22.60	22.60	0.5	24.5
		75	0	22.66	22.66	22.66	0.5	24.5	
		QPSK	1	1	23.62	23.62	23.62	0.0	25.0
			1	39	23.61	23.61	23.61	0.0	25.0
			1	77	23.49	23.49	23.49	0.0	25.0
			36	0	22.76	22.76	22.76	1.0	24.0
			36	21	23.67	23.67	23.67	0.0	25.0
			36	43	22.63	22.63	22.63	1.0	24.0
		75	0	22.67	22.67	22.67	1.0	24.0	
		16QAM	1	1	22.68	22.68	22.68	1.0	24.0
			1	39	22.54	22.54	22.54	1.0	24.0
			1	77	22.48	22.48	22.48	1.0	24.0
		64QAM	1	1	21.40	21.40	21.40	2.5	22.5
		256QAM	1	1	18.76	18.76	18.76	4.5	20.5
		CP-OFDM	QPSK	1	1	22.34	22.34	22.34	1.5
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.98	23.98	23.98	0.0	25.0
			1	25	23.75	23.75	23.75	0.0	25.0
			1	50	23.87	23.87	23.87	0.0	25.0
			25	0	22.93	22.93	22.93	0.5	24.5
			25	13	23.81	23.81	23.81	0.0	25.0
			25	27	22.72	22.72	22.72	0.5	24.5
		50	0	22.79	22.79	22.79	0.5	24.5	
		QPSK	1	1	24.05	24.05	24.05	0.0	25.0
			1	25	23.87	23.87	23.87	0.0	25.0
			1	50	23.90	23.90	23.90	0.0	25.0
			25	0	22.81	22.81	22.81	1.0	24.0
			25	13	23.87	23.87	23.87	0.0	25.0
			25	27	22.73	22.73	22.73	1.0	24.0
		50	0	22.81	22.81	22.81	1.0	24.0	
		16QAM	1	1	22.90	22.90	22.90	1.0	24.0
			1	25	22.71	22.71	22.71	1.0	24.0
			1	50	22.68	22.68	22.68	1.0	24.0
		64QAM	1	1	21.57	21.57	21.57	2.5	22.5
		256QAM	1	1	18.89	18.89	18.89	4.5	20.5
		CP-OFDM	QPSK	1	1	22.51	22.51	22.51	1.5
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.98	23.82	23.70	0.0	25.0
			1	12	24.07	23.78	23.88	0.0	25.0
			1	23	23.90	23.76	23.74	0.0	25.0
			12	0	23.03	23.42	22.72	0.5	24.5
			12	6	23.98	22.81	23.84	0.0	25.0
			12	13	22.96	22.79	22.80	0.5	24.5
		25	0	22.96	22.82	22.83	0.5	24.5	
		QPSK	1	1	24.02	23.83	23.71	0.0	25.0
			1	12	24.10	23.91	23.85	0.0	25.0
			1	23	23.87	23.74	23.73	0.0	25.0
			12	0	23.00	22.81	23.55	1.0	24.0
			12	6	24.02	23.86	22.73	0.0	25.0
			12	13	22.95	22.80	22.76	1.0	24.0
		25	0	23.00	22.86	22.79	1.0	24.0	
		16QAM	1	1	22.90	22.76	22.66	1.0	24.0
			1	12	22.87	22.68	22.76	1.0	24.0
			1	23	22.90	22.74	22.67	1.0	24.0
		64QAM	1	1	21.67	21.48	21.39	2.5	22.5
		256QAM	1	1	19.06	18.83	18.77	4.5	20.5
		CP-OFDM	QPSK	1	1	22.67	22.41	22.42	1.5

NR Band n25 (Ant B) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)			
					DSI = 2, 3				DSI = 1				DSI = 0			
					Measured Pwr (dBm)		MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit
					376500	1882.50 MHz			376500	1882.50 MHz			376500	1882.50 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.58	0.0	24.5	19.50	0.0	20.0	18.04	0.0	19.0			
			1	107	23.29	0.0	24.5	19.22	0.0	20.0	18.07	0.0	19.0			
			1	214	23.30	0.0	24.5	19.33	0.0	20.0	18.06	0.0	19.0			
			108	0	22.38	0.5	24.0	19.30	0.0	20.0	18.25	0.0	19.0			
			108	54	23.38	0.0	24.5	19.25	0.0	20.0	18.10	0.0	19.0			
			108	108	22.23	0.5	24.0	19.28	0.0	20.0	18.10	0.0	19.0			
			216	0	22.38	0.5	24.0	19.36	0.0	20.0	18.04	0.0	19.0			
			1	1	23.61	0.0	24.5	19.31	0.0	20.0	18.45	0.0	19.0			
			1	107	23.31	0.0	24.5	19.29	0.0	20.0	18.09	0.0	19.0			
			1	214	23.32	0.0	24.5	19.30	0.0	20.0	18.00	0.0	19.0			
		QPSK	108	0	22.42	1.0	23.5	19.28	0.0	20.0	18.05	0.0	19.0			
			108	54	23.45	0.0	24.5	19.43	0.0	20.0	18.23	0.0	19.0			
			108	108	22.19	1.0	23.5	19.16	0.0	20.0	18.11	0.0	19.0			
			216	0	22.42	1.0	23.5	19.37	0.0	20.0	18.06	0.0	19.0			
			1	1	22.45	1.0	23.5	19.45	0.0	20.0	18.35	0.0	19.0			
			1	107	22.25	1.0	23.5	19.35	0.0	20.0	18.13	0.0	19.0			
			1	214	22.20	1.0	23.5	19.27	0.0	20.0	18.04	0.0	19.0			
			64QAM	1	1	21.24	2.5	22.0	19.58	0.0	20.0	18.44	0.0	19.0		
			256QAM	1	1	18.48	4.5	20.0	18.80	0.0	20.0	17.70	0.0	19.0		
			CP-OFDM	QPSK	1	1	22.06	1.5	23.0	19.81	0.0	20.0	18.57	0.0	19.0	
35 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.71	0.0	24.5	19.31	0.0	20.0	18.04	0.0	19.0			
			1	93	23.62	0.0	24.5	19.33	0.0	20.0	18.01	0.0	19.0			
			1	186	23.58	0.0	24.5	19.29	0.0	20.0	18.07	0.0	19.0			
			90	0	22.61	0.5	24.0	19.28	0.0	20.0	18.20	0.0	19.0			
			90	49	23.64	0.0	24.5	19.21	0.0	20.0	18.13	0.0	19.0			
			90	98	22.56	0.5	24.0	19.17	0.0	20.0	18.09	0.0	19.0			
			180	0	22.55	0.5	24.0	19.27	0.0	20.0	18.08	0.0	19.0			
			1	1	23.66	0.0	24.5	19.31	0.0	20.0	18.30	0.0	19.0			
			1	93	23.66	0.0	24.5	19.43	0.0	20.0	18.14	0.0	19.0			
			1	186	23.56	0.0	24.5	19.23	0.0	20.0	18.03	0.0	19.0			
		QPSK	90	0	22.64	1.0	23.5	19.23	0.0	20.0	18.14	0.0	19.0			
			90	49	23.61	0.0	24.5	19.36	0.0	20.0	18.01	0.0	19.0			
			90	98	22.61	1.0	23.5	19.22	0.0	20.0	18.06	0.0	19.0			
			180	0	22.60	1.0	23.5	19.29	0.0	20.0	18.09	0.0	19.0			
			1	1	22.63	1.0	23.5	19.30	0.0	20.0	18.30	0.0	19.0			
			16QAM	1	93	22.47	1.0	23.5	19.27	0.0	20.0	18.12	0.0	19.0		
			1	186	22.51	1.0	23.5	19.27	0.0	20.0	18.02	0.0	19.0			
			64QAM	1	1	21.37	2.5	22.0	19.50	0.0	20.0	18.40	0.0	19.0		
			256QAM	1	1	18.58	4.5	20.0	18.71	0.0	20.0	17.67	0.0	19.0		
			CP-OFDM	QPSK	1	1	22.42	1.5	23.0	19.40	0.0	20.0	18.54	0.0	19.0	
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.92	0.0	24.5	19.57	0.0	20.0	18.32	0.0	19.0			
			1	79	23.84	0.0	24.5	19.49	0.0	20.0	18.38	0.0	19.0			
			1	158	23.71	0.0	24.5	19.41	0.0	20.0	18.40	0.0	19.0			
			80	0	22.82	0.5	24.0	19.39	0.0	20.0	18.38	0.0	19.0			
			80	40	23.77	0.0	24.5	19.41	0.0	20.0	18.42	0.0	19.0			
			80	80	22.69	0.5	24.0	19.31	0.0	20.0	18.29	0.0	19.0			
			160	0	22.70	0.5	24.0	19.28	0.0	20.0	18.29	0.0	19.0			
			1	1	23.95	0.0	24.5	19.52	0.0	20.0	18.57	0.0	19.0			
			1	79	23.77	0.0	24.5	19.39	0.0	20.0	18.35	0.0	19.0			
			1	158	23.70	0.0	24.5	19.40	0.0	20.0	18.28	0.0	19.0			
		QPSK	80	0	22.84	1.0	23.5	19.33	0.0	20.0	18.42	0.0	19.0			
			80	40	23.78	0.0	24.5	19.40	0.0	20.0	18.38	0.0	19.0			
			80	80	22.72	1.0	23.5	19.32	0.0	20.0	18.22	0.0	19.0			
			160	0	22.73	1.0	23.5	19.35	0.0	20.0	18.29	0.0	19.0			
			1	1	22.77	1.0	23.5	19.42	0.0	20.0	18.53	0.0	19.0			
			16QAM	1	79	22.73	1.0	23.5	19.36	0.0	20.0	18.35	0.0	19.0		
			1	158	22.51	1.0	23.5	19.29	0.0	20.0	18.19	0.0	19.0			
			64QAM	1	1	21.63	2.5	22.0	19.55	0.0	20.0	18.66	0.0	19.0		
			256QAM	1	1	18.88	4.5	20.0	18.78	0.0	20.0	17.96	0.0	19.0		
			CP-OFDM	QPSK	1	1	22.68	1.5	23.0	19.49	0.0	20.0	18.75	0.0	19.0	

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		380500				372500		380500							
					1862.50 MHz	1902.50 MHz	1862.50 MHz	1902.50 MHz			1862.50 MHz	1902.50 MHz	1862.50 MHz	1902.50 MHz						
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.26	23.26	0.0	24.5	19.46	19.47	0.0	20.0	18.55	18.23	0.0	19.0				
			1	66	23.20	23.26	0.0	24.5	19.30	19.31	0.0	20.0	18.42	18.06	0.0	19.0				
			1	131	23.30	22.70	0.0	24.5	19.39	19.44	0.0	20.0	18.32	18.10	0.0	19.0				
			64	0	22.15	22.17	0.5	24.0	19.22	19.28	0.0	20.0	18.38	18.02	0.0	19.0				
			64	34	23.20	23.18	0.0	24.5	19.37	19.33	0.0	20.0	18.39	18.04	0.0	19.0				
			64	69	22.10	22.23	0.5	24.0	19.23	19.26	0.0	20.0	18.21	17.99	0.0	19.0				
			128	0	22.11	22.13	0.5	24.0	19.29	19.18	0.0	20.0	18.32	18.03	0.0	19.0				
			1	1	23.31	23.37	0.0	24.5	19.50	19.43	0.0	20.0	18.60	18.16	0.0	19.0				
		1	66	23.25	23.21	0.0	24.5	19.39	19.29	0.0	20.0	18.41	18.10	0.0	19.0					
		1	131	23.24	22.60	0.0	24.5	19.40	19.39	0.0	20.0	18.38	18.14	0.0	19.0					
		64	0	22.19	22.25	1.0	23.5	19.31	19.25	0.0	20.0	18.35	18.00	0.0	19.0					
		64	34	23.24	23.21	0.0	24.5	19.42	19.30	0.0	20.0	18.38	18.03	0.0	19.0					
		64	69	22.14	22.17	1.0	23.5	19.32	19.27	0.0	20.0	18.26	17.91	0.0	19.0					
		128	0	22.17	22.16	1.0	23.5	19.20	19.24	0.0	20.0	18.29	18.06	0.0	19.0					
		16QAM	1	1	22.11	22.15	1.0	23.5	19.33	19.31	0.0	20.0	18.49	18.06	0.0	19.0				
		16QAM	1	66	22.05	22.08	1.0	23.5	19.26	19.29	0.0	20.0	18.30	18.00	0.0	19.0				
		16QAM	1	131	22.09	21.74	1.0	23.5	19.24	19.23	0.0	20.0	18.22	17.98	0.0	19.0				
		64QAM	1	1	20.98	20.93	2.5	22.0	19.49	19.48	0.0	20.0	18.65	18.19	0.0	19.0				
		256QAM	1	1	18.26	18.24	4.5	20.0	18.78	18.72	0.0	20.0	17.90	17.52	0.0	19.0				
		CP-OFDM	QPSK	1	1	21.99	22.01	1.5	23.0	19.45	19.49	0.0	20.0	18.70	18.34	0.0	19.0			
		20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.16	23.13	23.20	0.0	24.5	19.32	19.21	19.26	0.0	20.0	18.46	18.10	18.04	0.0
1	52				23.18	23.04	23.18	0.0	24.5	19.29	19.23	19.36	0.0	20.0	18.38	18.06	17.98	0.0	19.0	
1	104				23.07	23.18	22.90	0.0	24.5	19.16	19.29	19.24	0.0	20.0	18.27	17.96	18.00	0.0	19.0	
50	0				22.14	22.07	22.19	0.5	24.0	19.18	19.19	19.17	0.0	20.0	18.28	18.02	17.98	0.0	19.0	
50	28				23.17	23.19	23.23	0.0	24.5	19.24	19.23	19.22	0.0	20.0	18.24	17.98	18.04	0.0	19.0	
50	56				22.10	22.06	22.16	0.5	24.0	19.17	19.10	19.19	0.0	20.0	18.12	17.93	17.91	0.0	19.0	
100	0				22.20	22.17	22.32	0.5	24.0	19.27	19.26	19.34	0.0	20.0	18.30	18.08	18.10	0.0	19.0	
1	1				23.19	23.16	23.17	0.0	24.5	19.28	19.33	19.21	0.0	20.0	18.30	18.14	18.10	0.0	19.0	
1	52			23.19	23.10	23.26	0.0	24.5	19.35	19.29	19.23	0.0	20.0	18.20	17.93	18.08	0.0	19.0		
1	104			23.10	23.09	22.64	0.0	24.5	19.23	19.34	19.19	0.0	20.0	18.07	17.95	17.93	0.0	19.0		
50	0			22.15	22.12	22.16	1.0	23.5	19.30	19.19	19.22	0.0	20.0	18.28	18.09	17.93	0.0	19.0		
50	28			23.23	23.17	23.30	0.0	24.5	19.29	19.30	19.21	0.0	20.0	18.25	18.10	18.06	0.0	19.0		
50	56			22.08	22.09	22.21	1.0	23.5	19.23	19.16	19.14	0.0	20.0	18.16	17.96	17.97	0.0	19.0		
100	0			22.26	22.25	22.22	1.0	23.5	19.28	19.23	19.35	0.0	20.0	18.33	18.13	18.01	0.0	19.0		
16QAM	1			1	22.02	21.94	22.13	1.0	23.5	19.29	19.19	19.13	0.0	20.0	18.24	18.04	17.95	0.0	19.0	
16QAM	1			52	22.05	21.98	22.09	1.0	23.5	19.26	19.18	19.23	0.0	20.0	18.23	17.99	17.95	0.0	19.0	
16QAM	1			104	21.94	21.94	21.72	1.0	23.5	19.16	19.18	19.15	0.0	20.0	18.07	17.99	17.88	0.0	19.0	
64QAM	1			1	20.79	20.72	20.77	2.5	22.0	19.33	19.25	19.32	0.0	20.0	18.46	18.19	18.10	0.0	19.0	
256QAM	1			1	18.06	17.96	18.03	4.5	20.0	18.62	18.60	18.57	0.0	20.0	17.70	17.53	17.39	0.0	19.0	
CP-OFDM	QPSK			1	1	21.82	21.72	21.89	1.5	23.0	19.33	19.27	19.28	0.0	20.0	18.58	18.33	18.21	0.0	19.0
15 MHz	DFT-s-OFDM			π/2 BPSK	1	1	23.27	23.18	23.20	0.0	24.5	19.38	19.37	19.33	0.0	20.0	18.51	18.28	18.23	0.0
		1	39		23.15	23.17	23.14	0.0	24.5	19.28	19.23	19.33	0.0	20.0	18.42	17.98	18.22	0.0	19.0	
		1	77		23.10	23.15	22.83	0.0	24.5	19.25	19.23	19.29	0.0	20.0	18.34	18.08	18.05	0.0	19.0	
		36	0		22.12	22.12	22.16	0.5	24.0	19.24	19.18	19.25	0.0	20.0	18.40	17.98	17.98	0.0	19.0	
		36	21		23.18	23.22	23.33	0.0	24.5	19.31	19.27	19.38	0.0	20.0	18.48	18.01	18.00	0.0	19.0	
		36	43		22.13	22.11	22.18	0.5	24.0	19.19	19.13	19.19	0.0	20.0	18.32	17.91	17.81	0.0	19.0	
		75	0		22.16	22.07	22.16	0.5	24.0	19.18	19.15	19.27	0.0	20.0	18.34	17.94	17.84	0.0	19.0	
		1	1		23.27	23.24	23.29	0.0	24.5	19.44	19.37	19.36	0.0	20.0	18.44	18.14	18.09	0.0	19.0	
		1	39	23.19	23.14	23.26	0.0	24.5	19.29	19.26	19.32	0.0	20.0	18.30	17.98	17.95	0.0	19.0		
		1	77	23.13	23.07	22.59	0.0	24.5	19.27	19.22	19.33	0.0	20.0	18.25	17.90	17.90	0.0	19.0		
		36	0	22.16	22.11	22.13	1.0	23.5	19.23	19.22	19.25	0.0	20.0	18.28	18.02	17.95	0.0	19.0		
		36	21	23.31	23.28	23.32	0.0	24.5	19.30	19.26	19.43	0.0	20.0	18.42	18.04	18.06	0.0	19.0		
		36	43	22.12	22.10	22.11	1.0	23.5	19.17	19.13	19.24	0.0	20.0	18.23	17.93	17.90	0.0	19.0		
		75	0	22.16	22.10	22.22	1.0	23.5	19.24	19.14	19.25	0.0	20.0	18.28	17.98	17.95	0.0	19.0		
		16QAM	1	1	22.07	22.06	22.07	1.0	23.5	19.29	19.25	19.31	0.0	20.0	18.37	18.15	17.96	0.0	19.0	
		16QAM	1	39	22.00	21.96	22.11	1.0	23.5	19.22	19.16	19.22	0.0	20.0	18.25	18.01	17.94	0.0	19.0	
		16QAM	1	77	22.01	21.95	21.65	1.0	23.5	19.14	19.12	19.26	0.0	20.0	18.13	17.91	17.90	0.0	19.0	
		64QAM	1	1	20.93	20.89	20.81	2.5	22.0	19.43	19.41	19.45	0.0	20.0	18.50	18.22	18.06	0.0	19.0	
		256QAM	1	1	18.21	18.15	18.15	4.5	20.0	18.79	18.73	18.66	0.0	20.0	17.87	17.59	17.43	0.0	19.0	
		CP-OFDM	QPSK	1	1	21.95	21.89	21.72	1.5	23.0	19.44	19.39	19.52	0.0	20.0	18.63	18.39	18.14	0.0	19.0

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	Measured Pwr (dBm)			MPR	Tune-up Limit
					371000	376500	382000			371000	376500	382000			371000	376500	382000		
					1855.00 MHz	1882.50 MHz	1910.00 MHz			1855.00 MHz	1882.50 MHz	1910.00 MHz			1855.00 MHz	1882.50 MHz	1910.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.23	23.17	23.22	0.0	24.5	19.48	19.29	19.35	0.0	20.0	18.45	18.11	17.98	0.0	19.0
			1	25	23.23	23.17	23.08	0.0	24.5	19.39	19.38	19.41	0.0	20.0	18.42	18.10	17.97	0.0	19.0
			1	50	23.17	23.17	22.51	0.0	24.5	19.33	19.30	19.32	0.0	20.0	18.33	17.87	17.92	0.0	19.0
			25	0	22.23	22.07	22.17	0.5	24.0	19.31	19.24	19.29	0.0	20.0	18.37	18.05	17.81	0.0	19.0
			25	13	23.28	23.13	23.23	0.0	24.5	19.39	19.31	19.35	0.0	20.0	18.39	18.07	17.85	0.0	19.0
			25	27	22.17	22.03	21.91	0.5	24.0	19.34	19.19	19.29	0.0	20.0	18.34	17.99	17.76	0.0	19.0
		50	0	22.19	22.07	22.16	0.5	24.0	19.32	19.21	19.16	0.0	20.0	18.31	18.02	17.80	0.0	19.0	
		QPSK	1	1	23.27	23.13	23.23	0.0	24.5	19.47	19.36	19.38	0.0	20.0	18.34	18.10	17.95	0.0	19.0
			1	25	23.22	23.12	23.03	0.0	24.5	19.36	19.34	19.38	0.0	20.0	18.35	18.08	17.91	0.0	19.0
			1	50	23.17	23.09	22.43	0.0	24.5	19.26	19.24	19.35	0.0	20.0	18.24	17.87	17.81	0.0	19.0
			25	0	22.21	22.12	22.09	1.0	23.5	19.26	19.25	19.19	0.0	20.0	18.39	18.03	17.87	0.0	19.0
			25	13	23.26	23.18	23.02	0.0	24.5	19.31	19.33	19.24	0.0	20.0	18.34	18.08	17.91	0.0	19.0
			25	27	22.19	22.10	21.84	1.0	23.5	19.31	19.27	19.18	0.0	20.0	18.35	17.96	17.76	0.0	19.0
		16QAM	1	1	22.02	22.01	22.02	1.0	23.5	19.32	19.18	19.30	0.0	20.0	18.31	18.02	17.85	0.0	19.0
			1	25	22.07	21.94	22.06	1.0	23.5	19.24	19.16	19.24	0.0	20.0	18.28	18.01	17.80	0.0	19.0
		64QAM	1	1	20.86	20.75	20.77	2.5	22.0	19.38	19.29	19.37	0.0	20.0	18.45	18.12	17.93	0.0	19.0
			1	1	18.14	18.05	18.15	4.5	20.0	18.69	18.64	18.67	0.0	20.0	17.84	17.50	17.32	0.0	19.0
		256QAM	1	1	21.82	21.77	21.86	1.5	23.0	19.36	19.34	19.35	0.0	20.0	18.62	18.28	18.01	0.0	19.0
			1	1	21.82	21.77	21.86	1.5	23.0	19.36	19.34	19.35	0.0	20.0	18.62	18.28	18.01	0.0	19.0
		CP-OFDM	QPSK	1	1	22.02	22.01	22.02	1.0	23.5	19.32	19.18	19.30	0.0	20.0	18.31	18.02	17.85	0.0
1	25			22.07	21.94	22.06	1.0	23.5	19.24	19.16	19.24	0.0	20.0	18.28	18.01	17.80	0.0	19.0	
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.21	23.13	23.05	0.0	24.5	19.36	19.33	19.14	0.0	20.0	18.44	18.11	17.73	0.0	19.0
			1	12	23.20	23.08	22.90	0.0	24.5	19.32	19.24	19.24	0.0	20.0	18.41	18.03	17.77	0.0	19.0
			1	23	23.16	23.07	22.53	0.0	24.5	19.27	19.20	19.13	0.0	20.0	18.27	17.95	17.73	0.0	19.0
			12	0	22.18	22.06	22.05	0.5	24.0	19.30	19.29	19.20	0.0	20.0	18.30	18.04	17.79	0.0	19.0
			12	6	23.17	23.11	22.88	0.0	24.5	19.34	19.32	19.26	0.0	20.0	18.35	18.10	17.88	0.0	19.0
			12	13	22.07	22.00	21.78	0.5	24.0	19.26	19.25	19.16	0.0	20.0	18.26	18.01	17.77	0.0	19.0
		25	0	22.13	22.10	21.92	0.5	24.0	19.28	19.24	19.15	0.0	20.0	18.26	18.00	17.76	0.0	19.0	
		QPSK	1	1	23.16	23.12	23.11	0.0	24.5	19.36	19.33	19.16	0.0	20.0	18.40	18.10	17.78	0.0	19.0
			1	12	23.12	23.11	22.85	0.0	24.5	19.35	19.30	19.28	0.0	20.0	18.27	18.08	17.77	0.0	19.0
			1	23	23.10	23.10	22.42	0.0	24.5	19.29	19.24	19.18	0.0	20.0	18.33	17.97	17.69	0.0	19.0
			12	0	22.13	22.06	22.05	1.0	23.5	19.30	19.28	19.24	0.0	20.0	18.37	18.02	17.85	0.0	19.0
			12	6	23.10	23.09	22.81	0.0	24.5	19.37	19.33	19.27	0.0	20.0	18.31	18.10	17.90	0.0	19.0
			12	13	22.07	22.06	21.71	1.0	23.5	19.27	19.21	19.15	0.0	20.0	18.27	18.00	17.81	0.0	19.0
		16QAM	1	1	22.09	22.06	22.00	1.0	23.5	19.35	19.32	19.21	0.0	20.0	18.48	18.07	17.72	0.0	19.0
			1	12	21.94	21.92	21.90	1.0	23.5	19.25	19.22	19.16	0.0	20.0	18.30	17.95	17.77	0.0	19.0
		64QAM	1	1	20.90	20.82	20.78	2.5	22.0	19.48	19.44	19.30	0.0	20.0	18.51	18.22	17.82	0.0	19.0
			1	1	18.18	18.19	18.25	4.5	20.0	18.80	18.80	18.82	0.0	20.0	17.87	17.61	17.32	0.0	19.0
		256QAM	1	1	21.86	21.84	21.74	1.5	23.0	19.59	19.55	19.37	0.0	20.0	18.65	18.32	17.99	0.0	19.0
			1	1	21.86	21.84	21.74	1.5	23.0	19.59	19.55	19.37	0.0	20.0	18.65	18.32	17.99	0.0	19.0
		CP-OFDM	QPSK	1	1	22.02	22.01	22.02	1.0	23.5	19.32	19.18	19.30	0.0	20.0	18.31	18.02	17.85	0.0
1	25			22.07	21.94	22.06	1.0	23.5	19.24	19.16	19.24	0.0	20.0	18.28	18.01	17.80	0.0	19.0	

NR Band n25 (Ant E) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)			
					DSI = 0, 1				DSI = 2, 3			
					Measured Pwr (dBm)		MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit
					376500	1882.50 MHz			376500	1882.50 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.87	0.0	21.0	22.24	0.0	23.5		
			1	107	19.47	0.0	21.0	22.14	0.0	23.5		
			1	214	19.62	0.0	21.0	22.08	0.0	23.5		
			108	0	19.59	0.0	21.0	22.04	0.0	23.5		
			108	54	19.57	0.0	21.0	21.95	0.0	23.5		
			108	108	19.38	0.0	21.0	21.85	0.0	23.5		
		216	0	19.70	0.0	21.0	22.08	0.0	23.5			
		QPSK	1	1	19.86	0.0	21.0	22.21	0.0	23.5		
			1	107	19.45	0.0	21.0	21.88	0.0	23.5		
			1	214	19.60	0.0	21.0	22.05	0.0	23.5		
			108	0	19.63	0.0	21.0	22.08	0.0	23.5		
			108	54	19.54	0.0	21.0	21.93	0.0	23.5		
			108	108	19.41	0.0	21.0	21.87	0.0	23.5		
		216	0	19.68	0.0	21.0	21.97	0.0	23.5			
		16QAM	1	1	19.80	0.0	21.0	22.08	0.0	23.5		
			1	107	19.49	0.0	21.0	21.94	0.0	23.5		
			1	214	19.52	0.0	21.0	21.93	0.0	23.5		
		64QAM	1	1	19.93	0.0	21.0	21.01	1.5	22.0		
256QAM	1	1	18.28	1.0	20.0	18.19	3.5	20.0				
CP-OFDM	QPSK	1	1	19.97	0.0	21.0	22.01	0.5	23.0			
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)			
					DSI = 0, 1				DSI = 2, 3			
					Measured Pwr (dBm)		MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit
					376500	1882.50 MHz			376500	1882.50 MHz		
35 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.56	0.0	21.0	22.04	0.0	23.5		
			1	93	19.52	0.0	21.0	22.04	0.0	23.5		
			1	186	19.44	0.0	21.0	21.84	0.0	23.5		
			90	0	19.48	0.0	21.0	21.95	0.0	23.5		
			90	49	19.44	0.0	21.0	21.95	0.0	23.5		
			90	98	19.38	0.0	21.0	21.85	0.0	23.5		
		180	0	19.48	0.0	21.0	21.90	0.0	23.5			
		QPSK	1	1	19.55	0.0	21.0	22.08	0.0	23.5		
			1	93	19.51	0.0	21.0	22.00	0.0	23.5		
			1	186	19.42	0.0	21.0	21.86	0.0	23.5		
			90	0	19.52	0.0	21.0	21.90	0.0	23.5		
			90	49	19.44	0.0	21.0	22.00	0.0	23.5		
			90	98	19.37	0.0	21.0	21.90	0.0	23.5		
		180	0	19.51	0.0	21.0	21.90	0.0	23.5			
		16QAM	1	1	19.60	0.0	21.0	22.01	0.0	23.5		
			1	93	19.40	0.0	21.0	21.90	0.0	23.5		
			1	186	19.47	0.0	21.0	21.83	0.0	23.5		
		64QAM	1	1	19.78	0.0	21.0	20.99	1.5	22.0		
256QAM	1	1	18.22	1.0	20.0	18.17	3.5	20.0				
CP-OFDM	QPSK	1	1	19.82	0.0	21.0	21.95	0.5	23.0			
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)			
					DSI = 0, 1				DSI = 2, 3			
					Measured Pwr (dBm)		MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit
					373000	1865.00 MHz			380000	1900.00 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.87	0.0	21.0	22.26	0.0	23.5		
			1	79	19.61	0.0	21.0	22.21	0.0	23.5		
			1	158	19.47	0.0	21.0	22.07	0.0	23.5		
			80	0	19.72	0.0	21.0	22.12	0.0	23.5		
			80	40	19.66	0.0	21.0	22.20	0.0	23.5		
			80	80	19.58	0.0	21.0	21.99	0.0	23.5		
		160	0	19.57	0.0	21.0	22.12	0.0	23.5			
		QPSK	1	1	19.86	0.0	21.0	22.31	0.0	23.5		
			1	79	19.61	0.0	21.0	22.18	0.0	23.5		
			1	158	19.69	0.0	21.0	22.05	0.0	23.5		
			80	0	19.71	0.0	21.0	22.11	0.0	23.5		
			80	40	19.67	0.0	21.0	22.16	0.0	23.5		
			80	80	19.59	0.0	21.0	21.96	0.0	23.5		
		160	0	19.57	0.0	21.0	22.07	0.0	23.5			
		16QAM	1	1	19.77	0.0	21.0	22.20	0.0	23.5		
			1	79	19.64	0.0	21.0	22.10	0.0	23.5		
			1	158	19.50	0.0	21.0	21.97	0.0	23.5		
		64QAM	1	1	19.91	0.0	21.0	21.07	1.5	22.0		
256QAM	1	1	18.38	1.0	20.0	18.30	3.5	20.0				
CP-OFDM	QPSK	1	1	19.91	0.0	21.0	22.06	0.5	23.0			

NR Band n25 (Ant E) Measured Results (Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
					372500	380500				372500	380500			
					1862.50 MHz	1902.50 MHz				1862.50 MHz	1902.50 MHz			
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.73		19.51	0.0	21.0	22.24		22.10	0.0	23.5
			1	66	19.65		19.53	0.0	21.0	22.18		21.92	0.0	23.5
			1	131	19.63		19.55	0.0	21.0	22.07		21.98	0.0	23.5
			64	0	19.56		19.46	0.0	21.0	22.05		21.97	0.0	23.5
			64	34	19.55		19.49	0.0	21.0	22.11		21.98	0.0	23.5
			64	69	19.49		19.37	0.0	21.0	22.02		21.86	0.0	23.5
			128	0	19.54		19.42	0.0	21.0	22.08		21.89	0.0	23.5
		QPSK	1	1	19.75		19.55	0.0	21.0	22.28		22.02	0.0	23.5
			1	66	19.68		19.51	0.0	21.0	22.13		22.04	0.0	23.5
			1	131	19.62		19.53	0.0	21.0	22.05		22.02	0.0	23.5
			64	0	19.58		19.36	0.0	21.0	22.03		21.89	0.0	23.5
			64	34	19.69		19.50	0.0	21.0	22.14		22.01	0.0	23.5
			64	69	19.58		19.39	0.0	21.0	22.02		21.86	0.0	23.5
			128	0	19.63		19.34	0.0	21.0	22.07		21.90	0.0	23.5
		16QAM	1	1	19.70		19.44	0.0	21.0	22.13		21.93	0.0	23.5
			1	66	19.62		19.45	0.0	21.0	22.04		21.93	0.0	23.5
			1	131	19.52		19.42	0.0	21.0	21.93		21.86	0.0	23.5
		64QAM	1	1	19.81		19.61	0.0	21.0	21.04		20.79	1.5	22.0
1	1		18.37		18.08	1.0	20.0	18.29		18.09	3.5	20.0		
CP-OFDM	QPSK	1	1	19.89		19.59	0.0	21.0	22.08		21.85	0.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
					372000	376500	381000			372000	376500	381000		
					1860.00 MHz	1882.50 MHz	1905.00 MHz			1860.00 MHz	1882.50 MHz	1905.00 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.64	19.54	19.43	0.0	21.0	22.37	21.78	21.98	0.0	23.5
			1	25.04	19.47	19.40	19.47	0.0	21.0	22.16	21.88	21.93	0.0	23.5
			1	25.01	19.51	19.41	19.46	0.0	21.0	22.02	21.85	21.89	0.0	23.5
			50	24.97	19.49	19.33	19.41	0.0	21.0	22.10	21.82	21.89	0.0	23.5
			50	23.88	19.52	19.38	19.48	0.0	21.0	22.07	21.87	21.91	0.0	23.5
			50	23.99	19.45	19.37	19.36	0.0	21.0	21.91	21.82	21.79	0.0	23.5
			100	23.96	19.52	19.31	19.39	0.0	21.0	22.03	21.92	21.93	0.0	23.5
		QPSK	1	23.95	19.71	19.52	19.42	0.0	21.0	22.10	21.98	21.98	0.0	23.5
			1	24.1	19.57	19.38	19.52	0.0	21.0	22.10	21.95	21.96	0.0	23.5
			1	24.13	19.56	19.41	19.39	0.0	21.0	22.08	21.97	21.91	0.0	23.5
			50	24.12	19.57	19.31	19.46	0.0	21.0	22.07	21.86	21.88	0.0	23.5
			50	22.91	19.51	19.41	19.50	0.0	21.0	22.04	21.90	21.96	0.0	23.5
			50	22.98	19.49	19.34	19.35	0.0	21.0	21.95	21.84	21.83	0.0	23.5
			100	22.96	19.60	19.30	19.56	0.0	21.0	22.04	21.94	21.99	0.0	23.5
		16QAM	1	22.96	19.52	19.43	19.36	0.0	21.0	22.07	21.79	21.93	0.0	23.5
			1	52	19.66	19.32	19.39	0.0	21.0	21.96	21.85	21.83	0.0	23.5
			1	104	19.42	19.34	19.39	0.0	21.0	21.86	21.80	21.81	0.0	23.5
		64QAM	1	1	19.68	19.58	19.49	0.0	21.0	20.96	20.77	20.83	1.5	22.0
256QAM	1	1	18.24	18.05	17.95	1.0	20.0	18.12	18.06	18.04	3.5	20.0		
CP-OFDM	QPSK	1	1	19.61	19.61	19.56	0.0	21.0	21.99	21.68	21.68	0.5	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
					371500	376500	381500			371500	376500	381500		
					1857.50 MHz	1882.50 MHz	1907.50 MHz			1857.50 MHz	1882.50 MHz	1907.50 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.75	19.58	19.55	0.0	21.0	22.04	22.05	21.99	0.0	23.5
			1	39	19.64	19.41	19.37	0.0	21.0	22.03	21.89	21.92	0.0	23.5
			1	77	19.64	19.37	19.42	0.0	21.0	22.03	21.90	21.96	0.0	23.5
			36	0	19.62	19.31	19.37	0.0	21.0	22.01	21.86	21.87	0.0	23.5
			36	21	19.70	19.46	19.45	0.0	21.0	22.07	21.94	22.02	0.0	23.5
			36	43	19.55	19.29	19.35	0.0	21.0	21.90	21.80	21.82	0.0	23.5
			75	0	19.58	19.31	19.36	0.0	21.0	21.91	21.81	21.82	0.0	23.5
		QPSK	1	1	19.74	19.59	19.46	0.0	21.0	22.14	22.09	22.00	0.0	23.5
			1	39	19.57	19.40	19.38	0.0	21.0	22.02	21.92	21.94	0.0	23.5
			1	77	19.59	19.38	19.44	0.0	21.0	22.01	21.87	22.00	0.0	23.5
			36	0	19.62	19.36	19.44	0.0	21.0	21.98	21.83	21.87	0.0	23.5
			36	21	19.71	19.42	19.50	0.0	21.0	22.00	22.01	21.97	0.0	23.5
			36	43	19.58	19.27	19.36	0.0	21.0	21.92	21.81	21.80	0.0	23.5
			75	0	19.61	19.31	19.37	0.0	21.0	21.95	21.84	21.88	0.0	23.5
		16QAM	1	1	19.71	19.42	19.37	0.0	21.0	22.07	21.88	21.83	0.0	23.5
			1	39	19.63	19.31	19.38	0.0	21.0	21.96	21.79	21.84	0.0	23.5
			1	77	19.56	19.32	19.35	0.0	21.0	21.96	21.78	21.85	0.0	23.5
		64QAM	1	1	19.85	19.66	19.59	0.0	21.0	20.97	20.80	20.73	1.5	22.0
256QAM	1	1	18.34	18.18	18.04	1.0	20.0	18.23	18.17	18.19	3.5	20.0		
CP-OFDM	QPSK	1	1	19.85	19.66	19.59	0.0	21.0	21.87	21.68	21.65	0.5	23.0	

NR Band n25 (Ant E) 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
					371000	376500	382000			371000	376500	382000		
					1855.00 MHz	1882.50 MHz	1910.00 MHz			1855.00 MHz	1882.50 MHz	1910.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.69	19.52	19.49	0.0	21.0	22.20	21.99	21.90	0.0	23.5
			1	25	19.66	19.45	19.43	0.0	21.0	22.15	21.98	21.89	0.0	23.5
			1	50	19.51	19.41	19.37	0.0	21.0	22.14	21.89	21.84	0.0	23.5
			25	0	19.58	19.39	19.35	0.0	21.0	21.97	21.85	21.78	0.0	23.5
			25	13	19.68	19.41	19.45	0.0	21.0	22.16	21.96	21.86	0.0	23.5
			25	27	19.59	19.37	19.33	0.0	21.0	22.09	21.83	21.78	0.0	23.5
			50	0	19.61	19.32	19.37	0.0	21.0	21.98	21.83	21.77	0.0	23.5
		1	1	19.70	19.51	19.33	0.0	21.0	22.17	21.94	21.91	0.0	23.5	
		1	25	19.68	19.48	19.41	0.0	21.0	22.18	21.96	21.86	0.0	23.5	
		1	50	19.62	19.38	19.41	0.0	21.0	22.02	21.92	21.93	0.0	23.5	
		25	0	19.61	19.39	19.34	0.0	21.0	22.09	21.84	21.80	0.0	23.5	
		25	13	19.66	19.42	19.43	0.0	21.0	22.07	21.94	21.86	0.0	23.5	
		25	27	19.59	19.37	19.35	0.0	21.0	22.06	21.89	21.75	0.0	23.5	
		50	0	19.60	19.35	19.36	0.0	21.0	21.97	21.90	21.77	0.0	23.5	
		1	1	19.55	19.32	19.44	0.0	21.0	22.01	21.83	21.79	0.0	23.5	
		1	25	19.59	19.33	19.39	0.0	21.0	22.03	21.82	21.76	0.0	23.5	
	1	50	19.58	19.28	19.35	0.0	21.0	22.00	21.82	21.76	0.0	23.5		
64QAM	1	1	19.71	19.49	19.50	0.0	21.0	20.88	20.75	20.70	1.5	22.0		
256QAM	1	1	18.25	18.01	18.04	1.0	20.0	18.20	18.10	18.00	3.5	20.0		
	CP-OFDM	QPSK	1	1	19.75	19.58	19.61	0.0	21.0	21.79	21.75	21.69	0.5	23.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					370500	376500	382500			370500	376500	382500		
					1852.50 MHz	1882.50 MHz	1912.50 MHz			1852.50 MHz	1882.50 MHz	1912.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.61	19.46	19.33	0.0	21.0	22.09	21.90	21.78	0.0	23.5
			1	12	19.59	19.40	19.36	0.0	21.0	22.02	21.89	21.81	0.0	23.5
			1	23	19.56	19.39	19.32	0.0	21.0	22.01	21.85	21.75	0.0	23.5
			12	0	19.58	19.35	19.35	0.0	21.0	22.02	21.90	21.78	0.0	23.5
			12	6	19.61	19.31	19.41	0.0	21.0	22.04	21.90	21.85	0.0	23.5
			12	13	19.53	19.35	19.31	0.0	21.0	21.96	21.82	21.73	0.0	23.5
			25	0	19.53	19.33	19.34	0.0	21.0	21.94	21.83	21.77	0.0	23.5
		1	1	19.61	19.42	19.33	0.0	21.0	22.10	21.96	21.76	0.0	23.5	
		1	12	19.60	19.30	19.40	0.0	21.0	21.98	21.94	21.83	0.0	23.5	
		1	23	19.54	19.38	19.31	0.0	21.0	22.04	21.91	21.76	0.0	23.5	
		12	0	19.60	19.38	19.33	0.0	21.0	22.00	21.91	21.80	0.0	23.5	
		12	6	19.60	19.32	19.39	0.0	21.0	21.99	21.90	21.84	0.0	23.5	
		12	13	19.54	19.36	19.29	0.0	21.0	21.98	21.83	21.77	0.0	23.5	
		25	0	19.56	19.34	19.33	0.0	21.0	21.96	21.83	21.74	0.0	23.5	
		1	1	19.67	19.53	19.34	0.0	21.0	22.06	21.95	21.77	0.0	23.5	
		1	12	19.48	19.33	19.34	0.0	21.0	22.00	21.80	21.71	0.0	23.5	
	1	23	19.61	19.38	19.32	0.0	21.0	22.07	21.90	21.70	0.0	23.5		
64QAM	1	1	19.74	19.54	19.47	0.0	21.0	20.94	20.85	20.66	1.5	22.0		
256QAM	1	1	18.35	18.15	18.13	1.0	20.0	18.25	18.20	18.12	3.5	20.0		
	CP-OFDM	QPSK	1	1	19.80	19.67	19.57	0.0	21.0	21.97	21.84	21.68	0.5	23.0

NR Band n26 (Ant A & Ant A+B) 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
166300	831.50 MHz							
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.86	0.0	25.0
			1	52		23.87	0.0	25.0
			1	104		23.81	0.0	25.0
			50	0		22.71	0.5	24.5
			50	28		23.75	0.0	25.0
			50	56		22.57	0.5	24.5
		QPSK	100	0		22.83	0.5	24.5
			1	1		23.75	0.0	25.0
			1	52		23.85	0.0	25.0
			1	104		23.71	0.0	25.0
			50	0		22.69	1.0	24.0
			50	28		23.73	0.0	25.0
		16QAM	50	56		22.61	1.0	24.0
			100	0		22.82	1.0	24.0
			1	1		22.70	1.0	24.0
			1	52		22.39	1.0	24.0
		64QAM	1	104		22.42	1.0	24.0
			1	1		21.46	2.5	22.5
		256QAM	1	1		18.77	4.5	20.5
			CP-OFDM	QPSK	1	1		22.34
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	166300	831.50 MHz	MPR	Tune-up Limit
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.84	0.0	25.0
			1	39		23.69	0.0	25.0
			1	77		23.70	0.0	25.0
			36	0		22.80	0.5	24.5
			36	21		23.76	0.0	25.0
			36	43		22.74	0.5	24.5
		QPSK	75	0		22.72	0.5	24.5
			1	1		23.84	0.0	25.0
			1	39		23.73	0.0	25.0
			1	77		23.67	0.0	25.0
			36	0		22.78	1.0	24.0
			36	21		23.81	0.0	25.0
		16QAM	36	43		22.79	1.0	24.0
			75	0		22.77	1.0	24.0
			1	1		22.81	1.0	24.0
			1	39		22.56	1.0	24.0
		64QAM	1	77		22.62	1.0	24.0
			1	1		21.57	2.5	22.5
		256QAM	1	1		18.89	4.5	20.5
			CP-OFDM	QPSK	1	1		22.47

NR Band n26 (Ant A & Ant A+B) Measured Results (Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					166300				
					831.50 MHz				
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.89		0.0	25.0
			1	25		23.79		0.0	25.0
			1	50		23.80		0.0	25.0
			25	0		22.76		0.5	24.5
			25	13		23.80		0.0	25.0
			25	27		22.69		0.5	24.5
			50	0		22.77		0.5	24.5
		QPSK	1	1		23.88		0.0	25.0
			1	25		23.84		0.0	25.0
			1	50		23.75		0.0	25.0
			25	0		22.77		1.0	24.0
			25	13		23.82		0.0	25.0
			25	27		22.71		1.0	24.0
		16QAM	50	0		22.73		1.0	24.0
			1	1		22.68		1.0	24.0
			1	25		22.59		1.0	24.0
64QAM	1	50		22.55		1.0	24.0		
	1	1		21.49		2.5	22.5		
256QAM	1	1		18.76		4.5	20.5		
CP-OFDM	QPSK	1	1		22.38		1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					163300	166300	169300		
					816.50 MHz	831.50 MHz	846.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.12	23.80	23.77	0.0	25.0
			1	12	24.16	23.87	23.81	0.0	25.0
			1	23	24.06	23.71	23.84	0.0	25.0
			12	0	23.06	22.71	22.70	0.5	24.5
			12	6	24.11	23.78	23.67	0.0	25.0
			12	13	23.01	22.65	22.61	0.5	24.5
			25	0	23.08	22.73	22.69	0.5	24.5
		QPSK	1	1	24.33	23.80	23.78	0.0	25.0
			1	12	24.55	23.85	23.82	0.0	25.0
			1	23	24.01	23.76	23.79	0.0	25.0
			12	0	23.07	22.75	22.71	1.0	24.0
			12	6	24.08	23.81	23.71	0.0	25.0
			12	13	23.01	22.66	22.66	1.0	24.0
		16QAM	25	0	23.04	22.75	22.69	1.0	24.0
			1	1	23.00	22.68	22.67	1.0	24.0
			1	12	22.97	22.59	22.55	1.0	24.0
		64QAM	1	23	22.97	22.64	22.72	1.0	24.0
			1	1	21.76	21.44	21.42	2.5	22.5
		256QAM	1	1	18.94	18.77	18.80	4.5	20.5
		CP-OFDM	QPSK	1	1	22.54	22.48	22.43	1.5

NR Band n26 (Ant D) 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	
166300	831.50 MHz								
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.76		0.0	25.0
			1	52		23.79		0.0	25.0
			1	104		23.68		0.0	25.0
			50	0		22.75		0.5	24.5
			50	28		23.68		0.0	25.0
			50	56		22.60		0.5	24.5
		QPSK	100	0		22.73		0.5	24.5
			1	1		23.81		0.0	25.0
			1	52		23.68		0.0	25.0
			1	104		23.79		0.0	25.0
			50	0		22.64		1.0	24.0
			50	28		23.68		0.0	25.0
		16QAM	50	56		22.63		1.0	24.0
			100	0		22.83		1.0	24.0
			1	1		22.58		1.0	24.0
		64QAM	1	52		22.46		1.0	24.0
			1	104		22.41		1.0	24.0
			1	1		21.35		2.5	22.5
256QAM	1	1		18.68		4.5	20.5		
	CP-OFDM	QPSK	1	1		22.36		1.5	23.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)		MPR	Tune-up Limit	
					164300	168300			
					821.50 MHz	841.50 MHz			
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.58	24.17	0.0	25.0	
			1	39	24.44	24.13	0.0	25.0	
			1	77	24.26	24.03	0.0	25.0	
			36	0	23.51	23.15	0.5	24.5	
			36	21	24.41	24.13	0.0	25.0	
			36	43	23.35	23.11	0.5	24.5	
		QPSK	75	0	23.37	23.16	0.5	24.5	
			1	1	24.53	24.16	0.0	25.0	
			1	39	24.32	24.10	0.0	25.0	
			1	77	24.29	24.04	0.0	25.0	
			36	0	23.39	23.12	1.0	24.0	
			36	21	24.39	24.18	0.0	25.0	
		16QAM	36	43	23.36	23.08	1.0	24.0	
			75	0	23.41	23.20	1.0	24.0	
			1	1	23.39	23.10	1.0	24.0	
		64QAM	1	39	23.23	23.03	1.0	24.0	
			1	77	23.22	22.96	1.0	24.0	
			1	1	22.21	21.90	2.5	22.5	
256QAM	1	1	19.60	19.23	4.5	20.5			
	CP-OFDM	QPSK	1	1	23.19	22.78	1.5	23.5	

NR Band n26 (Ant D) Measured Results (Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					163800	[REDACTED]	168800		
					819.00 MHz		844.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.67		24.27	0.0	25.0
			1	25	24.54		24.21	0.0	25.0
			1	50	24.54		24.11	0.0	25.0
			25	0	23.54		23.42	0.5	24.5
			25	13	24.56		23.17	0.0	25.0
			25	27	23.50		23.18	0.5	24.5
		50	0	23.54		23.14	0.5	24.5	
		1	1	24.64		24.21	0.0	25.0	
		1	25	24.59		24.12	0.0	25.0	
		1	50	24.53		24.17	0.0	25.0	
		25	0	23.54		23.14	1.0	24.0	
		25	13	24.56		24.17	0.0	25.0	
		25	27	23.52		23.12	1.0	24.0	
		50	0	23.56		23.12	1.0	24.0	
		16QAM	1	1	23.40		23.07	1.0	24.0
		16QAM	1	25	23.39		22.94	1.0	24.0
	16QAM	1	50	23.32		23.04	1.0	24.0	
64QAM	1	1	22.23		21.83	2.5	22.5		
256QAM	1	1	19.51		19.12	4.5	20.5		
CP-OFDM	QPSK	1	1	23.12		22.84	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					163300	166300	169300		
					816.50 MHz	831.50 MHz	846.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.64	24.30	24.25	0.0	25.0
			1	12	24.69	24.42	24.35	0.0	25.0
			1	23	24.61	24.26	24.20	0.0	25.0
			12	0	23.61	23.30	23.15	0.5	24.5
			12	6	24.64	24.30	24.10	0.0	25.0
			12	13	23.60	23.27	23.05	0.5	24.5
		25	0	23.67	23.34	23.09	0.5	24.5	
		1	1	24.43	24.34	24.20	0.0	25.0	
		1	12	24.52	24.41	24.23	0.0	25.0	
		1	23	24.50	24.33	24.34	0.0	25.0	
		12	0	23.66	23.31	23.43	1.0	24.0	
		12	6	24.56	24.32	23.11	0.0	25.0	
		12	13	23.51	23.16	23.17	1.0	24.0	
		25	0	23.59	23.30	23.20	1.0	24.0	
		16QAM	1	1	23.46	23.28	23.08	1.0	24.0
		16QAM	1	12	23.40	23.13	23.11	1.0	24.0
	16QAM	1	23	23.43	23.19	23.11	1.0	24.0	
64QAM	1	1	22.30	21.92	21.88	2.5	22.5		
256QAM	1	1	19.58	19.35	19.18	4.5	20.5		
CP-OFDM	QPSK	1	1	23.16	22.91	22.90	1.5	23.5	

NR Band n30 (Ant B) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)									
					DSI = 2, 3				DSI = 1				DSI = 0									
					Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit
					462000	2310.00 MHz	462000	2310.00 MHz			462000	2310.00 MHz	462000	2310.00 MHz								
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.44	0.0	23.5	18.87	0.0	19.0	16.55	0.0	17.0									
			1	25	22.51	0.0	23.5	18.95	0.0	19.0	16.46	0.0	17.0									
			1	50	22.42	0.0	23.5	18.98	0.0	19.0	16.57	0.0	17.0									
			25	0	21.52	0.5	23.0	18.84	0.0	19.0	16.51	0.0	17.0									
			25	13	22.58	0.0	23.5	18.94	0.0	19.0	16.64	0.0	17.0									
			25	27	21.43	0.5	23.0	18.88	0.0	19.0	16.54	0.0	17.0									
			50	0	21.56	0.5	23.0	18.90	0.0	19.0	16.56	0.0	17.0									
		QPSK	1	1	22.61	0.0	23.5	19.00	0.0	19.0	16.68	0.0	17.0									
			1	25	22.57	0.0	23.5	18.94	0.0	19.0	16.65	0.0	17.0									
			1	50	22.54	0.0	23.5	18.97	0.0	19.0	16.68	0.0	17.0									
			25	0	21.52	1.0	22.5	18.85	0.0	19.0	16.58	0.0	17.0									
			25	13	22.56	0.0	23.5	18.98	0.0	19.0	16.7	0.0	17.0									
			25	27	21.41	1.0	22.5	18.86	0.0	19.0	16.58	0.0	17.0									
			50	0	21.51	1.0	22.5	18.90	0.0	19.0	16.58	0.0	17.0									
		16QAM	1	1	21.39	1.0	22.5	18.71	0.0	19.0	16.61	0.0	17.0									
			1	25	21.26	1.0	22.5	18.75	0.0	19.0	16.59	0.0	17.0									
			1	50	21.23	1.0	22.5	18.73	0.0	19.0	16.58	0.0	17.0									
		64QAM	1	1	20.15	2.5	21.0	18.87	0.0	19.0	16.72	0.0	17.0									
			1	1	17.47	4.5	19.0	18.23	0.0	19.0	16.08	0.0	17.0									
		CP-OFDM	QPSK	1	1	21.27	1.5	22.0	18.87	0.0	19.0	16.9	0.0	17.0								
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				Measured Pwr (dBm)				Measured Pwr (dBm)									
					461500	2307.50 MHz	462500	2312.50 MHz	MPR	Tune-up Limit	461500	2307.50 MHz	462500	2312.50 MHz	MPR	Tune-up Limit	461500	2307.50 MHz	462500	2312.50 MHz	MPR	Tune-up Limit
					5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.49	22.31	0.0	23.5	18.61	18.63	0.0	19.0	16.62	16.71	0.0	17.0	
								1	12	22.40	22.28	0.0	23.5	18.64	18.74	0.0	19.0	16.70	15.75	0.0	17.0	
1	23	22.19	22.31	0.0				23.5	18.59	18.61	0.0	19.0	16.56	16.59	0.0	17.0						
12	0	21.54	21.39	0.5				23.0	18.65	18.65	0.0	19.0	16.64	16.67	0.0	17.0						
12	6	22.30	22.13	0.0				23.5	18.59	18.77	0.0	19.0	16.74	16.77	0.0	17.0						
12	13	21.32	21.41	0.5				23.0	18.57	18.67	0.0	19.0	16.56	16.59	0.0	17.0						
25	0	21.39	21.37	0.5				23.0	18.60	18.71	0.0	19.0	16.62	16.64	0.0	17.0						
QPSK	1	1	22.49	22.01			0.0	23.5	18.65	18.73	0.0	19.0	16.57	16.73	0.0	17.0						
	1	12	22.24	22.03			0.0	23.5	18.65	18.76	0.0	19.0	16.75	16.76	0.0	17.0						
	1	23	22.06	22.12			0.0	23.5	18.63	18.65	0.0	19.0	16.56	16.63	0.0	17.0						
	12	0	21.36	21.21			1.0	22.5	18.64	18.67	0.0	19.0	16.67	16.56	0.0	17.0						
	12	6	22.22	21.98			0.0	23.5	18.71	18.80	0.0	19.0	16.71	16.75	0.0	17.0						
	12	13	21.24	21.29			1.0	22.5	18.63	18.63	0.0	19.0	16.62	16.66	0.0	17.0						
	25	0	21.47	21.26			1.0	22.5	18.65	18.65	0.0	19.0	16.60	16.64	0.0	17.0						
16QAM	1	1	21.39	21.06			1.0	22.5	18.65	18.61	0.0	19.0	16.49	16.56	0.0	17.0						
	1	12	21.40	21.13			1.0	22.5	18.61	18.62	0.0	19.0	16.55	16.65	0.0	17.0						
	1	23	21.22	21.22			1.0	22.5	18.60	18.52	0.0	19.0	16.52	16.56	0.0	17.0						
64QAM	1	1	20.17	20.05			2.5	21.0	18.81	18.82	0.0	19.0	16.70	16.74	0.0	17.0						
	1	1	17.47	17.56			4.5	19.0	18.16	18.20	0.0	19.0	16.01	16.15	0.0	17.0						
CP-OFDM	QPSK	1	1	21.18			20.88	1.5	22.0	18.76	18.92	0.0	19.0	16.77	16.86	0.0	17.0					

NR Band n30 (Ant E) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)			
					DSI = 3				DSI = 0				DSI = 1				DSI = 0 for FCC			
					Measured Pwr (dBm)		MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit
					462000	2310.00 MHz			462000	2310.00 MHz			462000	2310.00 MHz			462000	2310.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.44	0.0	23.5	10.51	0.0	11.5	18.17	0.0	19.0	16.55	0.0	17.0				
			1	25	22.51	0.0	23.5	10.50	0.0	11.5	18.25	0.0	19.0	16.46	0.0	17.0				
			1	50	22.42	0.0	23.5	10.56	0.0	11.5	18.28	0.0	19.0	16.57	0.0	17.0				
			25	0	21.52	0.5	23.0	10.42	0.0	11.5	18.14	0.0	19.0	16.51	0.0	17.0				
			25	13	22.58	0.0	23.5	10.41	0.0	11.5	18.24	0.0	19.0	16.64	0.0	17.0				
			25	27	21.43	0.5	23.0	10.40	0.0	11.5	18.18	0.0	19.0	16.54	0.0	17.0				
			50	0	21.56	0.5	23.0	10.38	0.0	11.5	18.20	0.0	19.0	16.56	0.0	17.0				
		QPSK	1	1	22.61	0.0	23.5	10.55	0.0	11.5	18.30	0.0	19.0	16.68	0.0	17.0				
			1	25	22.57	0.0	23.5	10.42	0.0	11.5	18.24	0.0	19.0	16.65	0.0	17.0				
			1	50	22.54	0.0	23.5	10.40	0.0	11.5	18.27	0.0	19.0	16.68	0.0	17.0				
			25	0	21.52	1.0	22.5	10.44	0.0	11.5	18.15	0.0	19.0	16.58	0.0	17.0				
			25	13	22.56	0.0	23.5	10.45	0.0	11.5	18.28	0.0	19.0	16.7	0.0	17.0				
			25	27	21.41	1.0	22.5	10.42	0.0	11.5	18.16	0.0	19.0	16.58	0.0	17.0				
			50	0	21.51	1.0	22.5	10.39	0.0	11.5	18.17	0.0	19.0	16.58	0.0	17.0				
		16QAM	1	1	21.39	1.0	22.5	10.42	0.0	11.5	18.01	0.0	19.0	16.61	0.0	17.0				
			1	25	21.26	1.0	22.5	10.44	0.0	11.5	18.05	0.0	19.0	16.59	0.0	17.0				
			1	50	21.23	1.0	22.5	10.55	0.0	11.5	18.03	0.0	19.0	16.58	0.0	17.0				
		64QAM	1	1	20.15	2.5	21.0	10.52	0.0	11.5	18.17	0.0	19.0	16.72	0.0	17.0				
		256QAM	1	1	17.47	4.5	19.0	9.87	0.0	11.5	17.53	0.0	19.0	16.08	0.0	17.0				
		CP-OFDM	QPSK	1	1	21.27	1.5	22.0	10.55	0.0	11.5	18.17	0.0	19.0	16.9	0.0	17.0			
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				Measured Pwr (dBm)				Measured Pwr (dBm)				Measured Pwr (dBm)			
					461500		MPR	Tune-up Limit	462500		MPR	Tune-up Limit	461500		MPR	Tune-up Limit	461500		MPR	Tune-up Limit
					2307.50 MHz	2312.50 MHz			2307.50 MHz	2312.50 MHz			2307.50 MHz	2312.50 MHz			2307.50 MHz	2312.50 MHz		
					461500	2307.50 MHz	462500	2312.50 MHz	461500	2307.50 MHz	462500	2312.50 MHz	461500	2307.50 MHz	462500	2312.50 MHz	461500	2307.50 MHz	462500	2312.50 MHz
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.49	0.0	23.5	10.51	0.0	11.5	18.11	0.0	19.0	16.62	0.0	17.0				
			1	12	22.40	0.0	23.5	10.58	0.0	11.5	18.14	0.0	19.0	16.70	0.0	17.0				
			1	23	22.19	0.0	23.5	10.44	0.0	11.5	18.09	0.0	19.0	16.56	0.0	17.0				
			12	0	21.54	0.5	23.0	10.48	0.0	11.5	18.15	0.0	19.0	16.64	0.0	17.0				
			12	6	22.30	0.0	23.5	10.59	0.0	11.5	18.09	0.0	19.0	16.74	0.0	17.0				
			12	13	21.32	0.5	23.0	10.46	0.0	11.5	18.07	0.0	19.0	16.56	0.0	17.0				
			25	0	21.39	0.5	23.0	10.51	0.0	11.5	18.10	0.0	19.0	16.62	0.0	17.0				
		QPSK	1	1	22.49	0.0	23.5	10.51	0.0	11.5	18.15	0.0	19.0	16.57	0.0	17.0				
			1	12	22.24	0.0	23.5	10.54	0.0	11.5	18.15	0.0	19.0	16.75	0.0	17.0				
			1	23	22.06	0.0	23.5	10.47	0.0	11.5	18.13	0.0	19.0	16.56	0.0	17.0				
			12	0	21.36	1.0	22.5	10.53	0.0	11.5	18.14	0.0	19.0	16.67	0.0	17.0				
			12	6	22.22	0.0	23.5	10.52	0.0	11.5	18.21	0.0	19.0	16.71	0.0	17.0				
			12	13	21.24	1.0	22.5	10.46	0.0	11.5	18.13	0.0	19.0	16.62	0.0	17.0				
			25	0	21.47	1.0	22.5	10.52	0.0	11.5	18.15	0.0	19.0	16.60	0.0	17.0				
		16QAM	1	1	21.39	1.0	22.5	10.56	0.0	11.5	18.15	0.0	19.0	16.49	0.0	17.0				
			1	12	21.40	1.0	22.5	10.53	0.0	11.5	18.11	0.0	19.0	16.55	0.0	17.0				
			1	23	21.22	1.0	22.5	10.48	0.0	11.5	18.10	0.0	19.0	16.52	0.0	17.0				
		64QAM	1	1	20.17	2.05	21.0	10.64	0.0	11.5	18.31	0.0	19.0	16.70	0.0	17.0				
		256QAM	1	1	17.47	4.5	19.0	9.96	0.0	11.5	17.66	0.0	19.0	16.01	0.0	17.0				
		CP-OFDM	QPSK	1	1	21.18	1.5	22.0	10.65	0.0	11.5	18.26	0.0	19.0	16.77	0.0	17.0			

NR Band n66 (Ant B) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				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
349000	1745.00 MHz	349000	1745.00 MHz									
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.36	0.0	24.5	18.77	0.0	20.0		
			1	107	23.03	0.0	24.5	18.83	0.0	20.0		
			1	214	23.40	0.0	24.5	18.71	0.0	20.0		
			108	0	22.25	0.5	24.0	18.66	0.0	20.0		
			108	54	23.29	0.0	24.5	18.76	0.0	20.0		
			108	108	22.09	0.5	24.0	18.76	0.0	20.0		
		216	0	22.31	0.5	24.0	18.63	0.0	20.0			
		QPSK	1	1	23.40	0.0	24.5	18.91	0.0	20.0		
			1	107	23.08	0.0	24.5	18.76	0.0	20.0		
			1	214	23.36	0.0	24.5	18.78	0.0	20.0		
			108	0	22.13	1.0	23.5	18.72	0.0	20.0		
			108	54	23.21	0.0	24.5	18.84	0.0	20.0		
			108	108	22.16	1.0	23.5	18.69	0.0	20.0		
		216	0	22.27	1.0	23.5	18.70	0.0	20.0			
		16QAM	1	1	22.28	1.0	23.5	18.73	0.0	20.0		
			1	107	22.13	1.0	23.5	18.71	0.0	20.0		
		216	0	22.20	1.0	23.5	18.66	0.0	20.0			
		64QAM	1	1	20.93	2.5	22.0	18.80	0.0	20.0		
		256QAM	1	1	18.21	4.5	20.0	18.18	0.0	20.0		
		CP-OFDM	QPSK	1	1	21.93	1.5	23.0	18.87	0.0	20.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				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
345500	1727.50 MHz	352500	1762.50 MHz									
35 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.97	0.0	24.5	19.03	0.0	20.0		
			1	93	23.92	0.0	24.5	19.13	0.0	20.0		
			1	186	23.69	0.0	24.5	18.76	0.0	20.0		
			90	0	22.83	0.5	24.0	19.01	0.0	20.0		
			90	49	23.83	0.0	24.5	18.99	0.0	20.0		
			90	98	22.58	0.5	24.0	18.83	0.0	20.0		
		180	0	22.62	0.5	24.0	18.92	0.0	20.0			
		QPSK	1	1	23.89	0.0	24.5	19.14	0.0	20.0		
			1	93	23.78	0.0	24.5	19.09	0.0	20.0		
			1	186	23.61	0.0	24.5	18.78	0.0	20.0		
			90	0	22.84	1.0	23.5	19.04	0.0	20.0		
			90	49	23.82	0.0	24.5	19.02	0.0	20.0		
			90	98	22.67	1.0	23.5	18.82	0.0	20.0		
		180	0	22.75	1.0	23.5	18.90	0.0	20.0			
		16QAM	1	1	22.82	1.0	23.5	19.08	0.0	20.0		
			1	93	22.70	1.0	23.5	18.93	0.0	20.0		
		180	0	22.48	1.0	23.5	18.74	0.0	20.0			
		64QAM	1	1	21.44	2.5	22.0	19.17	0.0	20.0		
		256QAM	1	1	18.74	4.5	20.0	18.54	0.0	20.0		
		CP-OFDM	QPSK	1	1	22.43	1.5	23.0	19.34	0.0	20.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				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
345000	1725.00 MHz	353000	1765.00 MHz									
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.04	0.0	24.5	19.33	0.0	20.0		
			1	79	23.85	0.0	24.5	19.12	0.0	20.0		
			1	158	23.80	0.0	24.5	18.95	0.0	20.0		
			80	0	22.92	0.5	24.0	19.12	0.0	20.0		
			80	40	23.91	0.0	24.5	19.08	0.0	20.0		
			80	80	22.68	0.5	24.0	18.94	0.0	20.0		
		160	0	22.71	0.5	24.0	18.93	0.0	20.0			
		QPSK	1	1	22.74	0.0	24.5	19.25	0.0	20.0		
			1	79	23.87	0.0	24.5	19.12	0.0	20.0		
			1	158	23.67	0.0	24.5	18.96	0.0	20.0		
			80	0	22.91	1.0	23.5	19.08	0.0	20.0		
			80	40	23.86	0.0	24.5	19.15	0.0	20.0		
			80	80	22.72	1.0	23.5	18.90	0.0	20.0		
		160	0	22.80	1.0	23.5	19.01	0.0	20.0			
		16QAM	1	1	22.91	1.0	23.5	19.14	0.0	20.0		
			1	79	22.77	1.0	23.5	19.00	0.0	20.0		
		160	0	22.60	1.0	23.5	18.81	0.0	20.0			
		64QAM	1	1	21.52	2.5	22.0	19.35	0.0	20.0		
		256QAM	1	1	18.87	4.5	20.0	18.58	0.0	20.0		
		CP-OFDM	QPSK	1	1	22.51	1.5	23.0	19.29	0.0	20.0	

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	353500				344500	353500			
					1722.50 MHz	1767.50 MHz				1722.50 MHz	1767.50 MHz			
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.02		23.78	0.0	24.5	19.31		19.09	0.0	20.0
			1	66	23.75		23.71	0.0	24.5	19.27		19.04	0.0	20.0
			1	131	23.60		23.79	0.0	24.5	19.17		19.16	0.0	20.0
			64	0	22.83		22.63	0.5	24.0	19.25		18.97	0.0	20.0
			64	34	23.74		23.68	0.0	24.5	19.28		19.03	0.0	20.0
			64	69	22.67		22.60	0.5	24.0	19.35		18.97	0.0	20.0
			128	0	22.72		22.62	0.5	24.0	19.11		18.98	0.0	20.0
		QPSK	1	1	24.04		23.76	0.0	24.5	19.27		19.10	0.0	20.0
			1	66	23.86		23.69	0.0	24.5	19.32		19.10	0.0	20.0
			1	131	23.62		23.77	0.0	24.5	18.93		19.03	0.0	20.0
			64	0	22.88		22.68	1.0	23.5	19.07		18.90	0.0	20.0
			64	34	23.85		23.61	0.0	24.5	19.08		19.01	0.0	20.0
			64	69	22.72		22.60	1.0	23.5	18.94		18.89	0.0	20.0
			128	0	22.77		22.62	1.0	23.5	18.93		18.99	0.0	20.0
		16QAM	1	1	22.83		22.69	1.0	23.5	19.20		18.99	0.0	20.0
			1	66	22.77		22.52	1.0	23.5	18.99		19.00	0.0	20.0
			1	131	22.54		22.66	1.0	23.5	18.83		18.98	0.0	20.0
		64QAM	1	1	21.55		21.39	2.5	22.0	19.23		19.09	0.0	20.0
1	1		18.81		18.61	4.5	20.0	18.53		18.43	0.0	20.0		
CP-OFDM	QPSK	1	1	22.58		22.31	1.5	23.0	19.25		19.11	0.0	20.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					344000	349000	354000			344000	349000	354000		
					1720.00 MHz	1745.00 MHz	1770.00 MHz			1720.00 MHz	1745.00 MHz	1770.00 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.92	23.72	23.50	0.0	24.5	19.20	18.91	18.84	0.0	20.0
			1	52	23.82	23.60	23.62	0.0	24.5	19.16	18.85	18.96	0.0	20.0
			1	104	23.67	23.47	23.68	0.0	24.5	18.86	18.92	19.03	0.0	20.0
			50	0	22.80	22.49	22.56	0.5	24.0	19.09	18.85	18.76	0.0	20.0
			50	28	23.87	23.54	23.63	0.0	24.5	19.12	18.82	18.92	0.0	20.0
			50	56	22.69	22.50	22.50	0.5	24.0	18.96	18.77	18.87	0.0	20.0
			100	0	22.72	22.56	22.59	0.5	24.0	19.13	19.01	18.92	0.0	20.0
		QPSK	1	1	23.78	23.66	23.49	0.0	24.5	19.09	18.98	18.81	0.0	20.0
			1	52	23.88	23.56	23.53	0.0	24.5	19.16	18.85	18.98	0.0	20.0
			1	104	23.65	23.53	23.63	0.0	24.5	18.86	18.93	18.93	0.0	20.0
			50	0	22.69	22.55	22.42	1.0	23.5	18.98	18.86	18.87	0.0	20.0
			50	28	23.86	23.52	23.59	0.0	24.5	19.12	18.83	18.96	0.0	20.0
			50	56	22.69	22.49	22.57	1.0	23.5	18.94	18.78	18.81	0.0	20.0
			100	0	22.81	22.71	22.63	1.0	23.5	19.10	18.99	18.79	0.0	20.0
		16QAM	1	1	22.78	22.51	22.42	1.0	23.5	19.05	18.87	18.70	0.0	20.0
			1	52	22.73	22.45	22.45	1.0	23.5	19.10	18.77	18.90	0.0	20.0
			1	104	22.53	22.36	22.54	1.0	23.5	18.97	18.86	18.87	0.0	20.0
		64QAM	1	1	21.50	21.22	21.10	2.5	22.0	19.16	18.96	18.87	0.0	20.0
256QAM	1	1	18.75	18.49	18.38	4.5	20.0	18.47	18.26	18.14	0.0	20.0		
CP-OFDM	QPSK	1	1	22.42	22.32	22.18	1.5	23.0	19.28	18.96	18.89	0.0	20.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					343500	349000	354500			343500	349000	354500		
					1717.50 MHz	1745.00 MHz	1772.50 MHz			1717.50 MHz	1745.00 MHz	1772.50 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.98	23.78	23.69	0.0	24.5	19.27	19.04	19.04	0.0	20.0
			1	39	23.86	23.63	23.81	0.0	24.5	19.09	18.89	19.00	0.0	20.0
			1	77	23.81	23.56	23.83	0.0	24.5	19.18	18.90	19.01	0.0	20.0
			36	0	22.86	22.60	22.55	0.5	24.0	19.06	18.83	18.86	0.0	20.0
			36	21	24.01	23.66	23.72	0.0	24.5	19.06	18.94	18.95	0.0	20.0
			36	43	22.79	22.46	22.55	0.5	24.0	19.05	18.87	18.85	0.0	20.0
			75	0	22.71	22.54	22.62	0.5	24.0	19.04	18.82	18.82	0.0	20.0
		QPSK	1	1	24.05	23.68	23.74	0.0	24.5	19.27	18.99	18.92	0.0	20.0
			1	39	23.76	23.61	23.86	0.0	24.5	19.09	18.87	18.90	0.0	20.0
			1	77	23.87	23.53	23.86	0.0	24.5	19.12	18.89	18.96	0.0	20.0
			36	0	22.80	22.59	22.59	1.0	23.5	19.05	18.84	18.78	0.0	20.0
			36	21	23.86	23.73	23.68	0.0	24.5	19.12	18.93	18.99	0.0	20.0
			36	43	22.71	22.51	22.61	1.0	23.5	18.96	18.83	18.92	0.0	20.0
			75	0	22.80	22.56	22.51	1.0	23.5	19.05	18.79	18.82	0.0	20.0
		16QAM	1	1	22.90	22.55	22.49	1.0	23.5	19.16	19.05	18.90	0.0	20.0
			1	39	22.73	22.51	22.39	1.0	23.5	19.02	18.77	18.85	0.0	20.0
			1	77	22.71	22.44	22.61	1.0	23.5	19.07	18.82	18.92	0.0	20.0
		64QAM	1	1	21.62	21.35	21.23	2.5	22.0	19.29	19.10	19.01	0.0	20.0
256QAM	1	1	18.88	18.61	18.46	4.5	20.0	18.61	18.43	18.35	0.0	20.0		
CP-OFDM	QPSK	1	1	22.54	22.37	22.19	1.5	23.0	19.42	19.22	19.02	0.0	20.0	

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
					343000	349000	355000			343000	349000	355000		
					1715.00 MHz	1745.00 MHz	1775.00 MHz			1715.00 MHz	1745.00 MHz	1775.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.91	23.68	23.66	0.0	24.5	19.28	18.91	18.93	0.0	20.0
			1	25	23.75	23.57	23.71	0.0	24.5	19.27	18.98	19.13	0.0	20.0
			1	50	23.80	23.50	23.73	0.0	24.5	19.04	18.92	19.14	0.0	20.0
			25	0	22.86	22.47	22.60	0.5	24.0	19.22	18.87	18.95	0.0	20.0
			25	13	23.86	23.57	23.72	0.0	24.5	19.29	18.82	19.05	0.0	20.0
			25	27	22.76	22.48	22.66	0.5	24.0	19.15	18.85	18.99	0.0	20.0
			50	0	22.85	22.39	22.55	0.5	24.0	19.17	18.75	18.98	0.0	20.0
		QPSK	1	1	23.97	23.55	23.66	0.0	24.5	19.32	18.81	19.02	0.0	20.0
			1	25	23.93	23.52	23.64	0.0	24.5	19.25	18.78	19.11	0.0	20.0
			1	50	23.71	23.56	23.76	0.0	24.5	19.21	18.86	19.04	0.0	20.0
			25	0	22.84	22.47	22.59	1.0	23.5	19.22	18.79	18.97	0.0	20.0
			25	13	23.94	23.55	23.78	0.0	24.5	19.30	18.87	19.12	0.0	20.0
			25	27	22.82	22.42	22.67	1.0	23.5	19.15	18.75	19.02	0.0	20.0
			50	0	22.83	22.45	22.58	1.0	23.5	19.17	18.81	19.01	0.0	20.0
			16QAM	1	1	22.84	22.33	22.52	1.0	23.5	19.22	18.92	18.97	0.0
		1		25	22.83	22.41	22.48	1.0	23.5	19.19	18.80	19.02	0.0	20.0
	64QAM	1	1	21.54	21.13	21.27	2.5	22.0	19.33	18.97	19.05	0.0	20.0	
1		1	18.83	18.45	18.57	4.5	20.0	18.62	18.31	18.39	0.0	20.0		
256QAM	1	1	18.83	18.45	18.57	4.5	20.0	18.62	18.31	18.39	0.0	20.0		
	1	1	18.83	18.45	18.57	4.5	20.0	18.62	18.31	18.39	0.0	20.0		
	CP-OFDM	QPSK	1	1	22.48	22.18	22.15	1.5	23.0	19.38	19.10	19.18	0.0	20.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					342500	349000	355500			342500	349000	355500		
					1712.50 MHz	1745.00 MHz	1777.50 MHz			1712.50 MHz	1745.00 MHz	1777.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.77	23.53	23.63	0.0	24.5	19.16	18.90	19.02	0.0	20.0
			1	12	23.91	23.50	23.74	0.0	24.5	19.20	18.97	19.11	0.0	20.0
			1	23	23.69	23.48	23.63	0.0	24.5	19.19	18.85	19.04	0.0	20.0
			12	0	22.80	22.40	22.63	0.5	24.0	19.16	18.87	19.00	0.0	20.0
			12	6	23.82	23.53	23.69	0.0	24.5	19.31	18.96	19.08	0.0	20.0
			12	13	22.76	22.37	22.63	0.5	24.0	19.19	18.85	18.98	0.0	20.0
			25	0	22.68	22.39	22.67	0.5	24.0	19.22	18.84	18.99	0.0	20.0
		QPSK	1	1	23.71	23.45	23.55	0.0	24.5	19.17	18.90	19.02	0.0	20.0
			1	12	23.80	23.54	23.78	0.0	24.5	19.22	18.98	19.12	0.0	20.0
			1	23	23.67	23.45	23.60	0.0	24.5	19.02	18.82	19.01	0.0	20.0
			12	0	22.76	22.44	22.67	1.0	23.5	19.18	18.88	18.98	0.0	20.0
			12	6	23.81	23.51	23.74	0.0	24.5	19.31	18.96	19.11	0.0	20.0
			12	13	22.73	22.38	22.65	1.0	23.5	19.21	18.87	19.01	0.0	20.0
			25	0	22.71	22.45	22.65	1.0	23.5	19.20	18.86	19.00	0.0	20.0
			16QAM	1	1	22.80	22.43	22.66	1.0	23.5	19.15	18.91	19.08	0.0
		1		12	22.77	22.42	22.58	1.0	23.5	19.16	18.88	18.98	0.0	20.0
	64QAM	1	1	22.69	22.36	22.56	1.0	23.5	19.20	18.85	18.99	0.0	20.0	
1		1	21.42	21.05	21.26	2.5	22.0	19.29	18.97	19.11	0.0	20.0		
256QAM	1	1	18.73	18.36	18.50	4.5	20.0	18.74	18.34	18.49	0.0	20.0		
	1	1	18.73	18.36	18.50	4.5	20.0	18.74	18.34	18.49	0.0	20.0		
	CP-OFDM	QPSK	1	1	22.28	21.90	22.20	1.5	23.0	19.48	19.13	19.23	0.0	20.0

NR Band n66 (Ant E) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)					
					DSI = 0, 1				DSI = 2, 3					
					Measured Pwr (dBm)		MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	349000	1745.00 MHz			19.49	0.0			21.0	349000
			1	107	19.32	0.0	21.0	20.84	0.0	22.5				
			1	214	19.62	0.0	21.0	21.19	0.0	22.5				
			108	0	19.26	0.0	21.0	20.78	0.0	22.5				
			108	54	19.42	0.0	21.0	20.86	0.0	22.5				
			108	108	19.37	0.0	21.0	20.84	0.0	22.5				
			216	0	19.50	0.0	21.0	20.98	0.0	22.5				
			1	1	19.40	0.0	21.0	21.00	0.0	22.5				
			1	107	19.28	0.0	21.0	20.82	0.0	22.5				
			1	214	19.72	0.0	21.0	21.22	0.0	22.5				
		QPSK	108	0	19.34	0.0	21.0	20.83	0.0	22.5				
			108	54	19.45	0.0	21.0	21.11	0.0	22.5				
			108	108	19.37	0.0	21.0	20.93	0.0	22.5				
			216	0	19.50	0.0	21.0	20.96	0.0	22.5				
			1	1	19.33	0.0	21.0	20.96	0.0	22.5				
			1	107	19.30	0.0	21.0	20.87	0.0	22.5				
			1	214	19.51	0.0	21.0	21.16	0.0	22.5				
			64QAM	1	1	19.47	0.0	21.0	20.73	0.5	22.0			
			256QAM	1	1	17.92	1.0	20.0	18.03	2.5	20.0			
			CP-OFDM	QPSK	1	1	19.47	0.0	21.0	21.05	0.0	22.5		
35 MHz	DFT-s-OFDM	π/2 BPSK	1	1	345500	1727.50 MHz	19.43	0.0	21.0	345500	1727.50 MHz	20.90	0.0	22.5
			1	93	19.60	0.0	21.0	21.09	21.18	0.0	22.5			
			1	186	19.32	0.0	21.0	20.85	21.33	0.0	22.5			
			90	0	19.42	0.0	21.0	20.93	20.96	0.0	22.5			
			90	49	19.46	0.0	21.0	21.05	20.89	0.0	22.5			
			90	98	19.39	0.0	21.0	20.87	20.97	0.0	22.5			
			180	0	19.36	0.0	21.0	20.90	21.04	0.0	22.5			
			1	1	19.42	0.0	21.0	20.95	20.79	0.0	22.5			
			1	93	19.49	0.0	21.0	21.12	21.24	0.0	22.5			
			1	186	19.37	0.0	21.0	20.85	21.26	0.0	22.5			
		QPSK	90	0	19.41	0.0	21.0	20.93	20.91	0.0	22.5			
			90	49	19.47	0.0	21.0	21.10	21.10	0.0	22.5			
			90	98	19.41	0.0	21.0	20.87	21.23	0.0	22.5			
			180	0	19.40	0.0	21.0	20.95	21.11	0.0	22.5			
			1	1	19.50	0.0	21.0	20.95	20.81	0.0	22.5			
			1	93	19.37	0.0	21.0	20.90	21.14	0.0	22.5			
			1	186	19.35	0.0	21.0	20.87	21.21	0.0	22.5			
			64QAM	1	1	19.62	0.0	21.0	20.82	20.73	0.5	22.0		
			256QAM	1	1	18.12	1.0	20.0	18.12	18.01	2.5	20.0		
			CP-OFDM	QPSK	1	1	19.73	0.0	21.0	21.02	21.03	0.0	22.5	
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	345000	1725.00 MHz	19.65	0.0	21.0	345000	1725.00 MHz	21.10	0.0	22.5
			1	79	19.55	0.0	21.0	21.05	21.35	0.0	22.5			
			1	158	19.56	0.0	21.0	21.01	21.44	0.0	22.5			
			80	0	19.44	0.0	21.0	21.00	21.01	0.0	22.5			
			80	40	19.57	0.0	21.0	20.96	21.18	0.0	22.5			
			80	80	19.46	0.0	21.0	20.92	21.25	0.0	22.5			
			160	0	19.43	0.0	21.0	20.92	21.10	0.0	22.5			
			1	1	19.56	0.0	21.0	21.13	21.08	0.0	22.5			
			1	79	19.59	0.0	21.0	21.14	21.28	0.0	22.5			
			1	158	19.53	0.0	21.0	21.05	21.50	0.0	22.5			
		QPSK	80	0	19.42	0.0	21.0	20.97	21.02	0.0	22.5			
			80	40	19.56	0.0	21.0	20.94	21.26	0.0	22.5			
			80	80	19.41	0.0	21.0	20.91	21.24	0.0	22.5			
			160	0	19.40	0.0	21.0	20.94	21.11	0.0	22.5			
			1	1	19.45	0.0	21.0	21.01	20.96	0.0	22.5			
			1	79	19.46	0.0	21.0	20.98	21.16	0.0	22.5			
			1	158	19.44	0.0	21.0	20.95	21.38	0.0	22.5			
			64QAM	1	1	19.58	0.0	21.0	20.91	20.78	0.5	22.0		
			256QAM	1	1	18.18	1.0	20.0	18.20	18.14	2.5	20.0		
			CP-OFDM	QPSK	1	1	19.83	0.0	21.0	21.13	21.15	0.0	22.5	

NR Band n66 (Ant E) Measured Results (Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
					344500	353500				344500	353500			
					1722.50 MHz	1767.50 MHz				1722.50 MHz	1767.50 MHz			
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.63		19.71	0.0	21.0	21.11		21.18	0.0	22.5
			1	66	19.49		19.86	0.0	21.0	20.99		21.32	0.0	22.5
			1	131	19.49		19.95	0.0	21.0	20.93		21.42	0.0	22.5
			64	0	19.39		19.65	0.0	21.0	20.97		21.14	0.0	22.5
			64	34	19.47		19.81	0.0	21.0	20.91		21.30	0.0	22.5
			64	69	19.35		19.73	0.0	21.0	20.82		21.31	0.0	22.5
		128	0	19.36		19.74	0.0	21.0	20.82		21.22	0.0	22.5	
		QPSK	1	1	19.64		19.67	0.0	21.0	21.13		21.16	0.0	22.5
			1	66	19.49		19.89	0.0	21.0	20.99		21.31	0.0	22.5
			1	131	19.49		19.96	0.0	21.0	21.01		21.43	0.0	22.5
			64	0	19.37		19.63	0.0	21.0	20.96		21.12	0.0	22.5
			64	34	19.46		19.85	0.0	21.0	20.97		21.30	0.0	22.5
			64	69	19.41		19.73	0.0	21.0	20.89		21.29	0.0	22.5
		128	0	19.42		19.79	0.0	21.0	20.84		21.26	0.0	22.5	
		16QAM	1	1	19.45		19.58	0.0	21.0	20.95		21.06	0.0	22.5
			1	66	19.38		19.74	0.0	21.0	20.87		21.27	0.0	22.5
			1	131	19.41		19.87	0.0	21.0	20.89		21.36	0.0	22.5
		64QAM	1	1	19.57		19.76	0.0	21.0	20.85		20.94	0.5	22.0
256QAM	1	1	18.22		18.30	1.0	20.0	18.18		18.23	2.5	20.0		
CP-OFDM	QPSK	1	1	19.80		19.81	0.0	21.0	21.24		21.18	0.0	22.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
					344000	349000	354000			344000	349000	354000		
					1720.00 MHz	1745.00 MHz	1770.00 MHz			1720.00 MHz	1745.00 MHz	1770.00 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.47	19.37	19.59	0.0	21.0	20.95	20.87	21.03	0.0	22.5
			1	25.04	19.43	19.49	19.65	0.0	21.0	20.89	20.91	21.10	0.0	22.5
			1	25.01	19.39	19.50	19.73	0.0	21.0	20.77	21.02	21.29	0.0	22.5
			50	24.97	19.30	19.33	19.49	0.0	21.0	20.87	20.86	20.96	0.0	22.5
			50	23.88	19.38	19.41	19.65	0.0	21.0	20.95	20.82	21.10	0.0	22.5
			50	23.99	19.30	19.34	19.61	0.0	21.0	20.78	20.95	21.10	0.0	22.5
		100	23.96	19.37	19.49	19.68	0.0	21.0	20.87	20.94	21.08	0.0	22.5	
		QPSK	1	23.95	19.46	19.41	19.56	0.0	21.0	20.90	20.92	21.05	0.0	22.5
			1	24.1	19.43	19.47	19.62	0.0	21.0	20.91	20.91	21.10	0.0	22.5
			1	24.13	19.39	19.51	19.70	0.0	21.0	20.84	21.03	21.23	0.0	22.5
			50	24.12	19.27	19.31	19.51	0.0	21.0	20.76	20.87	21.00	0.0	22.5
			50	22.91	19.37	19.43	19.65	0.0	21.0	20.89	20.81	21.06	0.0	22.5
			50	22.98	19.29	19.31	19.62	0.0	21.0	20.75	20.95	21.07	0.0	22.5
		100	22.96	19.38	19.47	19.67	0.0	21.0	20.84	20.92	21.12	0.0	22.5	
		16QAM	1	22.96	19.39	19.27	19.53	0.0	21.0	20.81	20.73	20.94	0.0	22.5
			1	52	19.28	19.31	19.53	0.0	21.0	20.78	20.86	20.99	0.0	22.5
			1	104	19.26	19.41	19.61	0.0	21.0	20.71	20.88	21.11	0.0	22.5
		64QAM	1	1	19.44	19.45	19.62	0.0	21.0	20.72	20.66	20.85	0.5	22.0
256QAM	1	1	17.99	18.00	18.20	1.0	20.0	18.02	17.94	18.17	2.5	20.0		
CP-OFDM	QPSK	1	1	19.54	19.48	19.72	0.0	21.0	20.93	20.88	21.06	0.0	22.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
					343500	349000	354500			343500	349000	354500		
					1717.50 MHz	1745.00 MHz	1772.50 MHz			1717.50 MHz	1745.00 MHz	1772.50 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.58	19.55	19.65	0.0	21.0	21.10	21.04	21.17	0.0	22.5
			1	39	19.40	19.49	19.60	0.0	21.0	21.01	20.88	21.22	0.0	22.5
			1	77	19.46	19.58	19.69	0.0	21.0	21.02	21.07	21.33	0.0	22.5
			36	0	19.44	19.37	19.52	0.0	21.0	20.88	20.81	21.00	0.0	22.5
			36	21	19.53	19.41	19.62	0.0	21.0	20.99	20.87	21.19	0.0	22.5
			36	43	19.35	19.37	19.61	0.0	21.0	20.87	20.83	21.11	0.0	22.5
		75	0	19.31	19.33	19.48	0.0	21.0	20.91	20.83	21.00	0.0	22.5	
		QPSK	1	1	19.61	19.55	19.65	0.0	21.0	21.03	21.02	21.16	0.0	22.5
			1	39	19.47	19.47	19.60	0.0	21.0	21.01	20.86	21.18	0.0	22.5
			1	77	19.44	19.57	19.69	0.0	21.0	21.06	21.07	21.20	0.0	22.5
			36	0	19.43	19.37	19.54	0.0	21.0	20.92	20.79	21.00	0.0	22.5
			36	21	19.52	19.49	19.59	0.0	21.0	20.97	20.90	21.22	0.0	22.5
			36	43	19.35	19.36	19.60	0.0	21.0	20.96	20.87	21.07	0.0	22.5
		75	0	19.40	19.33	19.49	0.0	21.0	20.88	20.86	21.10	0.0	22.5	
		16QAM	1	1	19.45	19.39	19.60	0.0	21.0	20.92	20.89	21.09	0.0	22.5
			1	39	19.31	19.37	19.56	0.0	21.0	20.93	20.83	21.14	0.0	22.5
			1	77	19.30	19.38	19.58	0.0	21.0	20.81	20.91	21.15	0.0	22.5
		64QAM	1	1	19.64	19.55	19.74	0.0	21.0	20.85	20.75	20.98	0.5	22.0
256QAM	1	1	18.19	18.11	18.28	1.0	20.0	18.13	18.10	18.21	2.5	20.0		
CP-OFDM	QPSK	1	1	19.71	19.57	19.75	0.0	21.0	21.07	21.05	21.28	0.0	22.5	

NR Band n66 (Ant E) Measured Results (Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
					343000	349000	355000			343000	349000	355000		
					1715.00 MHz	1745.00 MHz	1775.00 MHz			1715.00 MHz	1745.00 MHz	1775.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.57	19.42	19.77	0.0	21.0	21.02	20.90	21.22	0.0	22.5
			1	25	19.52	19.48	19.79	0.0	21.0	21.03	20.86	21.29	0.0	22.5
			1	50	19.49	19.53	19.83	0.0	21.0	21.00	21.03	21.34	0.0	22.5
			25	0	19.41	19.37	19.67	0.0	21.0	20.93	20.84	21.16	0.0	22.5
			25	13	19.51	19.44	19.80	0.0	21.0	21.01	20.93	21.22	0.0	22.5
			25	27	19.49	19.34	19.74	0.0	21.0	20.96	20.86	21.30	0.0	22.5
		50	0	19.47	19.33	19.67	0.0	21.0	20.97	20.83	21.14	0.0	22.5	
		1	1	19.53	19.42	19.74	0.0	21.0	21.04	20.92	21.19	0.0	22.5	
		1	25	19.53	19.47	19.77	0.0	21.0	21.07	20.87	21.26	0.0	22.5	
		1	50	19.54	19.52	19.84	0.0	21.0	21.03	21.02	21.31	0.0	22.5	
		25	0	19.44	19.35	19.66	0.0	21.0	20.97	20.84	21.12	0.0	22.5	
		25	13	19.55	19.48	19.80	0.0	21.0	21.00	20.97	21.23	0.0	22.5	
		25	27	19.47	19.34	19.72	0.0	21.0	20.95	20.86	21.30	0.0	22.5	
		50	0	19.48	19.38	19.64	0.0	21.0	20.96	20.83	21.14	0.0	22.5	
		1	1	19.39	19.34	19.51	0.0	21.0	20.87	20.76	21.14	0.0	22.5	
		1	25	19.44	19.30	19.64	0.0	21.0	20.93	20.84	21.17	0.0	22.5	
	1	50	19.39	19.36	19.71	0.0	21.0	20.89	20.87	21.21	0.0	22.5		
1	1	19.59	19.48	19.66	0.0	21.0	20.78	20.73	21.00	0.5	22.0			
1	1	18.11	18.03	18.22	1.0	20.0	18.11	18.01	18.34	2.5	20.0			
	CP-OFDM	QPSK	1	1	19.66	19.46	19.71	0.0	21.0	21.11	20.93	21.31	0.0	22.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
					342500	349000	355500			342500	349000	355500		
					1712.50 MHz	1745.00 MHz	1777.50 MHz			1712.50 MHz	1745.00 MHz	1777.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.41	19.38	19.69	0.0	21.0	20.86	20.88	21.21	0.0	22.5
			1	12	19.55	19.49	19.78	0.0	21.0	20.98	20.93	21.35	0.0	22.5
			1	23	19.45	19.36	19.76	0.0	21.0	20.85	20.85	21.22	0.0	22.5
			12	0	19.41	19.41	19.67	0.0	21.0	20.85	20.82	21.26	0.0	22.5
			12	6	19.51	19.51	19.74	0.0	21.0	20.96	20.96	21.31	0.0	22.5
			12	13	19.38	19.34	19.74	0.0	21.0	20.87	20.87	21.25	0.0	22.5
		25	0	19.43	19.37	19.64	0.0	21.0	20.85	20.85	21.26	0.0	22.5	
		1	1	19.46	19.40	19.67	0.0	21.0	20.92	20.86	21.14	0.0	22.5	
		1	12	19.52	19.49	19.76	0.0	21.0	20.96	20.96	21.33	0.0	22.5	
		1	23	19.44	19.37	19.79	0.0	21.0	20.90	20.84	21.27	0.0	22.5	
		12	0	19.43	19.41	19.63	0.0	21.0	20.91	20.81	21.23	0.0	22.5	
		12	6	19.51	19.50	19.78	0.0	21.0	20.97	20.97	21.37	0.0	22.5	
		12	13	19.39	19.34	19.75	0.0	21.0	20.87	20.86	21.23	0.0	22.5	
		25	0	19.45	19.33	19.64	0.0	21.0	20.86	20.84	21.23	0.0	22.5	
		1	1	19.39	19.32	19.62	0.0	21.0	20.85	20.82	21.21	0.0	22.5	
		1	12	19.44	19.32	19.74	0.0	21.0	20.90	20.86	21.20	0.0	22.5	
	1	23	19.39	19.36	19.71	0.0	21.0	20.86	20.79	21.19	0.0	22.5		
1	1	19.53	19.47	19.77	0.0	21.0	20.75	20.69	21.02	0.5	22.0			
1	1	18.12	18.06	18.33	1.0	20.0	18.06	18.01	18.36	2.5	20.0			
	CP-OFDM	QPSK	1	1	19.62	19.53	19.80	0.0	21.0	20.96	21.03	21.32	0.0	22.5

NR Band n70 (Ant B) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				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
					340500	1702.50 MHz			340500	1702.50 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.69	0.0	24.0	19.71	0.0	20.0		
			1	39	23.19	0.0	24.0	19.42	0.0	20.0		
			1	77	22.96	0.0	24.0	19.17	0.0	20.0		
			36	0	22.31	0.5	23.5	19.47	0.0	20.0		
			36	21	23.27	0.0	24.0	19.46	0.0	20.0		
			36	43	22.04	0.5	23.5	19.19	0.0	20.0		
		75	0	22.18	0.5	23.5	19.35	0.0	20.0			
		QPSK	1	1	23.54	0.0	24.0	19.76	0.0	20.0		
			1	39	23.20	0.0	24.0	19.37	0.0	20.0		
			1	77	22.93	0.0	24.0	19.21	0.0	20.0		
			36	0	22.33	1.0	23.0	19.48	0.0	20.0		
			36	21	23.28	0.0	24.0	19.51	0.0	20.0		
			36	43	22.01	1.0	23.0	19.16	0.0	20.0		
		75	0	22.24	1.0	23.0	19.33	0.0	20.0			
		16QAM	1	1	22.36	1.0	23.0	19.62	0.0	20.0		
			1	39	22.12	1.0	23.0	19.34	0.0	20.0		
		1	77	21.91	1.0	23.0	19.07	0.0	20.0			
		64QAM	1	1	21.17	2.5	21.5	19.73	0.0	20.0		
		256QAM	1	1	18.52	4.5	19.5	18.77	0.5	19.5		
		CP-OFDM	QPSK	1	1	22.09	1.5	22.5	19.84	0.0	20.0	
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.76	0.0	24.0	19.50	0.0	20.0		
			1	25	23.63	0.0	24.0	19.47	0.0	20.0		
			1	50	23.48	0.0	24.0	19.28	0.0	20.0		
			25	0	22.66	0.5	23.5	19.52	0.0	20.0		
			25	13	23.57	0.0	24.0	19.48	0.0	20.0		
			25	27	22.47	0.5	23.5	19.30	0.0	20.0		
		50	0	22.52	0.5	23.5	19.32	0.0	20.0			
		QPSK	1	1	23.73	0.0	24.0	19.69	0.0	20.0		
			1	25	23.59	0.0	24.0	19.42	0.0	20.0		
			1	50	23.44	0.0	24.0	19.37	0.0	20.0		
			25	0	22.63	1.0	23.0	19.45	0.0	20.0		
			25	13	23.63	0.0	24.0	19.48	0.0	20.0		
			25	27	22.50	1.0	23.0	19.34	0.0	20.0		
		50	0	22.50	1.0	23.0	19.38	0.0	20.0			
		16QAM	1	1	22.59	1.0	23.0	19.57	0.0	20.0		
			1	25	22.46	1.0	23.0	19.38	0.0	20.0		
		1	50	22.33	1.0	23.0	19.25	0.0	20.0			
		64QAM	1	1	21.30	2.5	21.5	19.63	0.0	20.0		
		256QAM	1	1	18.58	4.5	19.5	18.59	0.5	19.5		
		CP-OFDM	QPSK	1	1	22.24	1.5	22.5	19.76	0.0	20.0	
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.77	23.49	0.0	24.0	19.72	19.41	0.0	20.0
			1	12	23.78	23.46	0.0	24.0	19.84	19.38	0.0	20.0
			1	23	23.69	23.28	0.0	24.0	19.60	19.28	0.0	20.0
			12	0	22.68	22.35	0.5	23.5	19.67	19.23	0.0	20.0
			12	6	23.80	23.52	0.0	24.0	19.75	19.36	0.0	20.0
			12	13	22.72	22.38	0.5	23.5	19.54	19.27	0.0	20.0
		25	0	22.70	22.36	0.5	23.5	19.65	19.26	0.0	20.0	
		QPSK	1	1	23.81	23.44	0.0	24.0	19.66	19.39	0.0	20.0
			1	12	23.77	23.52	0.0	24.0	19.77	19.39	0.0	20.0
			1	23	23.68	23.29	0.0	24.0	19.58	19.30	0.0	20.0
			12	0	22.67	22.35	1.0	23.0	19.67	19.36	0.0	20.0
			12	6	23.79	23.52	0.0	24.0	19.73	19.38	0.0	20.0
			12	13	22.73	22.39	1.0	23.0	19.58	19.23	0.0	20.0
		25	0	22.70	22.38	1.0	23.0	19.52	19.29	0.0	20.0	
		16QAM	1	1	22.71	22.48	1.0	23.0	19.67	19.41	0.0	20.0
			1	12	22.68	22.38	1.0	23.0	19.51	19.30	0.0	20.0
		1	23	22.64	22.29	1.0	23.0	19.51	19.31	0.0	20.0	
		64QAM	1	1	21.40	21.16	2.5	21.5	19.85	19.51	0.0	20.0
		256QAM	1	1	18.64	18.47	4.5	19.5	18.73	18.41	0.5	19.5
		CP-OFDM	QPSK	1	1	22.35	22.10	1.5	22.5	19.91	19.56	0.0

NR Band n70 (Ant E) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)			
					DSI = 0, 1				DSI = 2, 3			
					Measured Pwr (dBm)		MPR	Tune-up Limit	Measured Pwr (dBm)		MPR	Tune-up Limit
340500	1702.50 MHz	340500	1702.50 MHz									
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.92		0.0	22.0	22.29		0.0	23.5
			1	39	20.71		0.0	22.0	22.17		0.0	23.5
			1	77	20.41		0.0	22.0	21.90		0.0	23.5
			36	0	20.79		0.0	22.0	21.89		0.0	23.5
			36	21	20.72		0.0	22.0	22.22		0.0	23.5
			36	43	20.58		0.0	22.0	21.54		0.0	23.5
			75	0	20.60		0.0	22.0	21.75		0.0	23.5
		QPSK	1	1	21.01		0.0	22.0	22.26		0.0	23.5
			1	39	20.76		0.0	22.0	22.14		0.0	23.5
			1	77	20.47		0.0	22.0	21.88		0.0	23.5
			36	0	20.71		0.0	22.0	21.91		0.5	23.0
			36	21	20.78		0.0	22.0	22.19		0.0	23.5
			36	43	20.59		0.0	22.0	21.61		0.5	23.0
			75	0	20.61		0.0	22.0	21.72		0.5	23.0
		16QAM	1	1	20.92		0.0	22.0	21.83		0.5	23.0
			1	39	20.63		0.0	22.0	21.71		0.5	23.0
			1	77	20.51		0.0	22.0	21.45		0.5	23.0
		64QAM	1	1	20.75		0.5	21.5	20.55		2.0	21.5
		256QAM	1	1	18.12		2.5	19.5	17.92		4.0	19.5
		CP-OFDM	QPSK	1	1	21.10		0.0	22.0	21.62		1.0
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.70		0.0	22.0	22.22		0.0	23.5
			1	25	20.62		0.0	22.0	22.18		0.0	23.5
			1	50	20.48		0.0	22.0	22.01		0.0	23.5
			25	0	20.45		0.0	22.0	21.90		0.0	23.5
			25	13	20.56		0.0	22.0	22.21		0.0	23.5
			25	27	20.43		0.0	22.0	21.75		0.0	23.5
			50	0	20.46		0.0	22.0	21.77		0.0	23.5
		QPSK	1	1	20.74		0.0	22.0	22.21		0.0	23.5
			1	25	20.59		0.0	22.0	22.16		0.0	23.5
			1	50	20.35		0.0	22.0	22.00		0.0	23.5
			25	0	20.49		0.0	22.0	21.90		0.5	23.0
			25	13	20.62		0.0	22.0	22.20		0.0	23.5
			25	27	20.42		0.0	22.0	21.74		0.5	23.0
			50	0	20.53		0.0	22.0	21.77		0.5	23.0
		16QAM	1	1	20.52		0.0	22.0	21.78		0.5	23.0
			1	25	20.48		0.0	22.0	21.73		0.5	23.0
			1	50	20.36		0.0	22.0	21.64		0.5	23.0
		64QAM	1	1	20.37		0.5	21.5	20.45		2.0	21.5
		256QAM	1	1	17.72		2.5	19.5	17.81		4.0	19.5
		CP-OFDM	QPSK	1	1	20.70		0.0	22.0	21.56		1.0
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	20.73		0.0	22.0	22.29		0.0	23.5
			1	12	20.76		0.0	22.0	22.41		0.0	23.5
			1	23	20.70		0.0	22.0	22.28		0.0	23.5
			12	0	20.66		0.0	22.0	21.93		0.0	23.5
			12	6	20.85		0.0	22.0	22.40		0.0	23.5
			12	13	20.67		0.0	22.0	21.89		0.0	23.5
			25	0	20.63		0.0	22.0	22.00		0.0	23.5
		QPSK	1	1	20.74		0.0	22.0	22.25		0.0	23.5
			1	12	20.89		0.0	22.0	22.39		0.0	23.5
			1	23	20.69		0.0	22.0	22.23		0.0	23.5
			12	0	20.67		0.0	22.0	21.94		0.5	23.0
			12	6	20.85		0.0	22.0	22.37		0.0	23.5
			12	13	20.68		0.0	22.0	21.91		0.5	23.0
			25	0	20.62		0.0	22.0	21.90		0.5	23.0
		16QAM	1	1	20.68		0.0	22.0	21.94		0.5	23.0
			1	12	20.64		0.0	22.0	21.99		0.5	23.0
			1	23	20.66		0.0	22.0	21.93		0.5	23.0
		64QAM	1	1	20.55		0.5	21.5	20.65		2.0	21.5
		256QAM	1	1	17.92		2.5	19.5	17.93		4.0	19.5
		CP-OFDM	QPSK	1	1	20.94		0.0	22.0	21.57		1.0

NR Band n71 (Ant A & Ant A+B) 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	
					136100	680.50 MHz			
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.84		0.0	25.0
			1	52		23.94		0.0	25.0
			1	104		23.94		0.0	25.0
			50	0		22.96		0.5	24.5
			50	28		24.06		0.0	25.0
			50	56		23.02		0.5	24.5
		QPSK	100	0		23.11		0.5	24.5
			1	1		23.83		0.0	25.0
			1	52		23.96		0.0	25.0
			1	104		23.90		0.0	25.0
			50	0		22.92		1.0	24.0
			50	28		24.04		0.0	25.0
		16QAM	50	56		22.90		1.0	24.0
			100	0		23.09		1.0	24.0
			1	1		22.76		1.0	24.0
		64QAM	1	52		22.77		1.0	24.0
			1	104		22.78		1.0	24.0
		256QAM	1	1		21.46		2.5	22.5
1	1			18.66		4.5	20.5		
	CP-OFDM	QPSK	1	1		22.47		1.5	23.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)		MPR	Tune-up Limit	
					134100	138100			
					670.50 MHz	690.50 MHz			
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.70	23.82	0.0	25.0	
			1	39	23.77	23.66	0.0	25.0	
			1	77	23.84	23.60	0.0	25.0	
			36	0	22.84	22.86	0.5	24.5	
			36	21	23.78	23.79	0.0	25.0	
			36	43	22.95	22.73	0.5	24.5	
		QPSK	75	0	22.96	22.90	0.5	24.5	
			1	1	23.81	23.77	0.0	25.0	
			1	39	23.71	23.73	0.0	25.0	
			1	77	23.78	23.67	0.0	25.0	
			36	0	22.78	22.81	1.0	24.0	
			36	21	23.89	23.85	0.0	25.0	
		16QAM	36	43	22.78	22.78	1.0	24.0	
			75	0	22.94	22.90	1.0	24.0	
			1	1	22.74	22.68	1.0	24.0	
		64QAM	1	39	22.82	22.68	1.0	24.0	
			1	77	22.76	22.54	1.0	24.0	
		256QAM	1	1	21.54	21.46	2.5	22.5	
1	1		19.02	18.97	4.5	20.5			
	CP-OFDM	QPSK	1	1	22.40	22.40	1.5	23.5	

NR Band n71 (Ant A & Ant A+B) Measured Results (Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					133600	136100	138600		
					668.00 MHz	680.50 MHz	693.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.82	23.92	23.76	0.0	25.0
			1	25	23.80	23.88	23.67	0.0	25.0
			1	50	23.86	23.79	23.62	0.0	25.0
			25	0	22.89	22.91	22.74	0.5	24.5
			25	13	23.91	23.97	23.75	0.0	25.0
			25	27	22.80	22.91	22.79	0.5	24.5
		QPSK	50	0	22.88	22.97	22.80	0.5	24.5
			1	1	23.85	23.87	23.78	0.0	25.0
			1	25	23.87	23.93	23.70	0.0	25.0
			1	50	23.88	23.76	23.63	0.0	25.0
			25	0	22.84	22.96	22.77	1.0	24.0
			25	13	23.90	23.97	23.80	0.0	25.0
		16QAM	25	27	22.83	22.89	22.70	1.0	24.0
			50	0	22.92	22.99	22.84	1.0	24.0
			1	1	22.68	22.79	22.66	1.0	24.0
			1	25	22.66	22.65	22.49	1.0	24.0
	64QAM	1	50	22.66	22.63	22.43	1.0	24.0	
1		1	21.50	21.45	21.31	2.5	22.5		
256QAM	1	1	18.75	18.75	18.60	4.5	20.5		
CP-OFDM	QPSK	1	1	22.43	22.38	22.26	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					133100	136100	139100		
					665.50 MHz	680.50 MHz	695.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.86	23.99	23.89	0.0	25.0
			1	12	23.90	23.92	23.83	0.0	25.0
			1	23	23.79	23.94	23.84	0.0	25.0
			12	0	22.92	23.05	22.87	0.5	24.5
			12	6	23.90	23.95	23.79	0.0	25.0
			12	13	22.85	22.97	22.78	0.5	24.5
		QPSK	25	0	22.99	23.03	22.92	0.5	24.5
			1	1	23.90	24.03	23.93	0.0	25.0
			1	12	23.94	23.99	23.82	0.0	25.0
			1	23	23.79	23.95	23.82	0.0	25.0
			12	0	22.93	23.07	22.94	1.0	24.0
			12	6	23.94	23.96	23.81	0.0	25.0
		16QAM	12	13	22.88	23.08	22.80	1.0	24.0
			25	0	22.96	23.06	22.92	1.0	24.0
			1	1	22.78	22.95	22.65	1.0	24.0
			1	12	22.73	22.71	22.54	1.0	24.0
	64QAM	1	23	22.65	22.81	22.68	1.0	24.0	
1		1	21.54	21.62	21.51	2.5	22.5		
256QAM	1	1	19.00	18.96	18.82	4.5	20.5		
CP-OFDM	QPSK	1	1	22.52	22.68	22.52	1.5	23.5	

NR Band n71 (Ant D) 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	
					136100	680.50 MHz			
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.93	0.0	25.0		
			1	52	23.90	0.0	25.0		
			1	104	23.90	0.0	25.0		
			50	0	22.96	0.5	24.5		
			50	28	24.10	0.0	25.0		
			50	56	23.02	0.5	24.5		
			100	0	23.10	0.5	24.5		
		QPSK	1	1	23.86	0.0	25.0		
			1	52	24.07	0.0	25.0		
			1	104	23.96	0.0	25.0		
			50	0	22.99	1.0	24.0		
			50	28	24.11	0.0	25.0		
			50	56	23.06	1.0	24.0		
		16QAM	100	0	23.12	1.0	24.0		
			1	1	22.76	1.0	24.0		
			1	52	22.84	1.0	24.0		
		64QAM	1	104	22.73	1.0	24.0		
	1		1	21.54	2.5	22.5			
256QAM	1	1	18.74	4.5	20.5				
CP-OFDM	QPSK	1	1	22.56	1.5	23.5			
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					134100	138100			
					670.50 MHz	690.50 MHz			
					134100	138100			
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.77	24.49	0.0	25.0	
			1	39	24.64	24.25	0.0	25.0	
			1	77	24.62	23.96	0.0	25.0	
			36	0	23.79	23.44	0.5	24.5	
			36	21	24.74	24.39	0.0	25.0	
			36	43	23.71	23.20	0.5	24.5	
			75	0	23.87	23.45	0.5	24.5	
		QPSK	1	1	24.83	24.49	0.0	25.0	
			1	39	24.67	24.16	0.0	25.0	
			1	77	24.63	23.98	0.0	25.0	
			36	0	23.83	23.40	1.0	24.0	
			36	21	24.80	24.35	0.0	25.0	
			36	43	23.75	23.17	1.0	24.0	
		16QAM	75	0	23.78	23.42	1.0	24.0	
			1	1	23.62	23.40	1.0	24.0	
			1	39	23.56	23.09	1.0	24.0	
		64QAM	1	77	23.61	22.86	1.0	24.0	
	1		1	22.42	22.24	2.5	22.5		
256QAM	1	1	20.17	19.80	4.5	20.5			
CP-OFDM	QPSK	1	1	23.48	23.09	1.5	23.5		

NR Band n71 (Ant D) Measured Results (Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					133600	136100	138600		
					668.00 MHz	680.50 MHz	693.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.82	24.76	24.38	0.0	25.0
			1	25	24.75	24.69	24.17	0.0	25.0
			1	50	24.67	24.53	24.04	0.0	25.0
			25	0	23.79	23.75	23.36	0.5	24.5
			25	13	24.84	24.77	24.27	0.0	25.0
			25	27	23.70	23.57	23.13	0.5	24.5
		QPSK	50	0	23.84	23.65	23.28	0.5	24.5
			1	1	24.82	24.80	24.36	0.0	25.0
			1	25	24.77	24.71	24.16	0.0	25.0
			1	50	24.71	24.56	24.05	0.0	25.0
			25	0	23.84	23.79	23.26	1.0	24.0
			25	13	24.82	24.76	24.31	0.0	25.0
		16QAM	25	27	23.76	23.59	23.18	1.0	24.0
			50	0	23.84	23.68	23.29	1.0	24.0
			1	1	23.57	23.60	23.21	1.0	24.0
		64QAM	1	25	23.54	23.45	22.95	1.0	24.0
			1	50	23.54	23.38	22.87	1.0	24.0
		256QAM	1	1	22.48	22.34	22.00	2.5	22.5
1	1	19.83	19.75	19.38	4.5	20.5			
CP-OFDM	QPSK	1	1	23.39	23.32	22.92	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					133100	136100	139100		
					665.50 MHz	680.50 MHz	695.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.84	24.86	24.33	0.0	25.0
			1	12	24.91	24.76	24.24	0.0	25.0
			1	23	24.78	24.64	24.18	0.0	25.0
			12	0	23.88	23.77	23.30	0.5	24.5
			12	6	24.86	24.69	24.22	0.0	25.0
			12	13	23.83	23.66	23.16	0.5	24.5
		QPSK	25	0	23.96	23.73	23.18	0.5	24.5
			1	1	24.83	24.72	24.34	0.0	25.0
			1	12	24.92	24.66	24.19	0.0	25.0
			1	23	24.80	24.67	24.19	0.0	25.0
			12	0	23.86	23.75	23.34	1.0	24.0
			12	6	24.90	24.67	24.20	0.0	25.0
		16QAM	12	13	23.83	23.65	23.13	1.0	24.0
			25	0	23.94	23.71	23.17	1.0	24.0
			1	1	23.70	23.59	23.20	1.0	24.0
		64QAM	1	12	23.67	23.46	22.92	1.0	24.0
			1	23	23.71	23.50	23.11	1.0	24.0
		256QAM	1	1	22.32	22.50	22.13	2.5	22.5
1	1	20.04	19.82	19.47	4.5	20.5			
CP-OFDM	QPSK	1	1	23.47	23.31	23.03	1.5	23.5	

NR Band n41 (PC2 SA/NSA Ant E) (Voice/data/SRS0) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)						Maximum Allowed Average Power (dBm)														
					DSI = 0,1						DSI = 2, 3														
					Measured Pwr (dBm)						Measured Pwr (dBm)														
					518598		2592.99 MHz		MFR	Tune-up Limit	518598		2592.99 MHz		MFR	Tune-up Limit									
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1					19.61				0.0	20.0					22.71				0.0	23.0	
			1	136						19.62				0.0	20.0					22.76				0.0	23.0
			1	271						19.51				0.0	20.0					22.57				0.0	23.0
			135	0						19.58				0.0	20.0					22.66				0.0	23.0
			135	69						19.64				0.0	20.0					22.83				0.0	23.0
			135	138						19.57				0.0	20.0					22.75				0.0	23.0
			270	0						19.65				0.0	20.0					22.75				0.0	23.0
		QPSK	1	1						19.65				0.0	20.0					22.78				0.0	23.0
			1	136						19.67				0.0	20.0					22.81				0.0	23.0
			1	271						19.57				0.0	20.0					22.71				0.0	23.0
			135	0						19.58				0.0	20.0					22.78				0.0	23.0
			135	69						19.65				0.0	20.0					22.83				0.0	23.0
			135	138						19.64				0.0	20.0					22.71				0.0	23.0
			270	0						19.71				0.0	20.0					22.76				0.0	23.0
		16QAM	1	1						19.75				0.0	20.0					22.72				0.0	23.0
			1	136						19.67				0.0	20.0					22.70				0.0	23.0
			1	271						19.65				0.0	20.0					22.61				0.0	23.0
		64QAM	1	1					19.66				0.0	20.0					22.80				0.0	23.0	
		256QAM	1	1					19.68				0.0	20.0					22.21				0.5	22.5	
		CP-OFDM	QPSK	1	1					19.69				0.0	20.0					22.82				0.0	23.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						Measured Pwr (dBm)														
					508200		528996		MFR	Tune-up Limit	508200		528996		MFR	Tune-up Limit									
					2541.00 MHz		2644.98 MHz				2541.00 MHz		2644.98 MHz												
					508200		528996		MFR	Tune-up Limit	508200		528996		MFR	Tune-up Limit									
90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.52						19.70	0.0	20.0	22.52						22.52	0.0	23.0			
			1	122	19.58				19.51	0.0	20.0	22.54				22.54	0.0	23.0							
			1	243	19.67				19.26	0.0	20.0	22.70				22.60	0.0	23.0							
			120	0	19.34				19.49	0.0	20.0	22.47				22.33	0.0	23.0							
			120	62	19.58				19.44	0.0	20.0	22.62				22.31	0.0	23.0							
			120	125	19.57				19.24	0.0	20.0	22.58				22.13	0.0	23.0							
			243	0	19.63				19.53	0.0	20.0	22.70				22.35	0.0	23.0							
		QPSK	1	1	19.46				19.79	0.0	20.0	22.64				22.62	0.0	23.0							
			1	122	19.62				19.47	0.0	20.0	22.61				22.31	0.0	23.0							
			1	243	19.71				19.29	0.0	20.0	22.55				22.22	0.0	23.0							
			120	0	19.38				19.52	0.0	20.0	22.67				22.41	0.0	23.0							
			120	62	19.60				19.54	0.0	20.0	22.65				22.33	0.0	23.0							
			120	125	19.54				19.30	0.0	20.0	22.66				22.20	0.0	23.0							
			243	0	19.58				19.64	0.0	20.0	22.75				22.51	0.0	23.0							
		16QAM	1	1	19.38				19.79	0.0	20.0	22.68				22.56	0.0	23.0							
			1	122	19.53				19.43	0.0	20.0	22.59				22.22	0.0	23.0							
			1	243	19.67				19.21	0.0	20.0	22.59				21.97	0.0	23.0							
		64QAM	1	1	19.43				19.74	0.0	20.0	22.44				22.57	0.0	23.0							
		256QAM	1	1	19.36				19.73	0.0	20.0	22.48				22.05	0.5	22.5							
		CP-OFDM	QPSK	1	1	19.41				19.82	0.0	20.0	22.51				22.71	0.0	23.0						

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n41 (PC2 SA/NSA Ant E) (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			529998			507204			529998				
					2536.02 MHz			2649.99 MHz			2536.02 MHz			2649.99 MHz				
80 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.44				19.67	0.0	20.0	22.47				22.46	0.0	23.0
			1	108	19.47				19.34	0.0	20.0	22.49				22.13	0.0	23.0
			1	215	19.70				19.19	0.0	20.0	22.65				22.13	0.0	23.0
			108	0	19.42				19.48	0.0	20.0	22.54				22.23	0.0	23.0
			108	54	19.60				19.45	0.0	20.0	22.63				22.28	0.0	23.0
			108	109	19.56				19.25	0.0	20.0	22.64				22.14	0.0	23.0
			216	0	19.59				19.55	0.0	20.0	22.75				22.43	0.0	23.0
		QPSK	1	1	19.47				19.75	0.0	20.0	22.53				22.59	0.0	23.0
			1	108	19.50				19.41	0.0	20.0	22.57				22.23	0.0	23.0
			1	215	19.71				19.23	0.0	20.0	22.59				22.23	0.0	23.0
			108	0	19.44				19.53	0.0	20.0	22.48				22.27	0.0	23.0
			108	54	19.59				19.50	0.0	20.0	22.63				22.31	0.0	23.0
			108	109	19.56				19.31	0.0	20.0	22.61				22.10	0.0	23.0
			216	0	19.62				19.57	0.0	20.0	22.68				22.49	0.0	23.0
		16QAM	1	1	19.39				19.63	0.0	20.0	22.40				22.00	0.0	23.0
			1	108	19.50				19.34	0.0	20.0	22.48				22.22	0.0	23.0
			1	215	19.67				19.13	0.0	20.0	22.54				21.95	0.0	23.0
64QAM	1	1	19.34				19.60	0.0	20.0	22.46				22.32	0.0	23.0		
256QAM	1	1	19.32				19.58	0.0	20.0	21.75				21.92	0.5	22.5		
CP-OFDM	QPSK	1	1	19.48				19.72	0.0	20.0	22.45				22.75	0.0	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit		
					506202			531000			506202			531000				
					2531.01 MHz			2655.00 MHz			2531.01 MHz			2655.00 MHz				
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.30				19.43	0.0	20.0	22.38				22.32	0.0	23.0
			1	94	19.39				19.25	0.0	20.0	22.50				22.13	0.0	23.0
			1	187	19.58				19.08	0.0	20.0	22.60				22.08	0.0	23.0
			90	0	19.40				19.43	0.0	20.0	22.56				22.16	0.0	23.0
			90	49	19.52				19.38	0.0	20.0	22.68				22.27	0.0	23.0
			90	99	19.54				19.28	0.0	20.0	22.62				22.12	0.0	23.0
			180	0	19.46				19.32	0.0	20.0	22.59				22.37	0.0	23.0
		QPSK	1	1	19.29				19.44	0.0	20.0	22.49				22.30	0.0	23.0
			1	94	19.48				19.37	0.0	20.0	22.55				22.13	0.0	23.0
			1	187	19.66				19.17	0.0	20.0	22.58				22.08	0.0	23.0
			90	0	19.45				19.41	0.0	20.0	22.60				22.18	0.0	23.0
			90	49	19.60				19.42	0.0	20.0	22.73				22.23	0.0	23.0
			90	99	19.63				19.20	0.0	20.0	22.63				22.13	0.0	23.0
			180	0	19.52				19.38	0.0	20.0	22.60				22.26	0.0	23.0
		16QAM	1	1	19.32				19.51	0.0	20.0	22.35				22.41	0.0	23.0
			1	94	19.53				19.28	0.0	20.0	22.56				22.12	0.0	23.0
			1	187	19.68				19.09	0.0	20.0	22.55				21.97	0.0	23.0
64QAM	1	1	19.25				19.49	0.0	20.0	21.47				21.90	0.0	23.0		
256QAM	1	1	19.26				19.43	0.0	20.0	21.40				21.58	0.5	22.5		
CP-OFDM	QPSK	1	1	19.37				19.50	0.0	20.0	22.46				22.45	0.0	23.0	

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n41 (PC2 SA/NSA Ant E) (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		
					505200		518598				531996	505200		518598				531996
					2526.00 MHz		2592.99 MHz				2659.98 MHz	2526.00 MHz		2592.99 MHz				2659.98 MHz
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.30		19.53		19.39	0.0	20.0	22.32		22.38		22.23	0.0	23.0
			1	80	19.34		19.49		19.11	0.0	20.0	22.41		22.35		21.99	0.0	23.0
			1	160	19.63		19.57		19.08	0.0	20.0	22.65		22.56		22.03	0.0	23.0
			81	0	19.29		19.47		19.31	0.0	20.0	22.41		22.49		22.04	0.0	23.0
			81	40	19.43		19.61		19.32	0.0	20.0	22.52		22.52		22.14	0.0	23.0
			81	81	19.45		19.44		19.13	0.0	20.0	22.47		22.41		22.07	0.0	23.0
		162	0	19.45		19.63		19.37	0.0	20.0	22.63		22.58		22.23	0.0	23.0	
		QPSK	1	1	19.20		19.43		19.40	0.0	20.0	22.47		22.44		22.33	0.0	23.0
			1	80	19.37		19.35		19.20	0.0	20.0	22.25		22.37		21.98	0.0	23.0
			1	160	19.56		19.41		19.16	0.0	20.0	22.65		22.57		22.03	0.0	23.0
			81	0	19.30		19.39		19.28	0.0	20.0	22.43		22.47		22.09	0.0	23.0
			81	40	19.50		19.52		19.26	0.0	20.0	22.61		22.57		22.12	0.0	23.0
			81	81	19.47		19.39		19.15	0.0	20.0	22.46		22.48		22.01	0.0	23.0
		162	0	19.49		19.54		19.27	0.0	20.0	22.64		22.65		22.21	0.0	23.0	
		16QAM	1	1	19.21		19.27		19.27	0.0	20.0	22.23		22.25		22.18	0.0	23.0
1	80		19.34		19.41		19.13	0.0	20.0	22.54		22.46		22.04	0.0	23.0		
1	160		19.42		19.30		19.03	0.0	20.0	22.48		22.59		21.95	0.0	23.0		
64QAM	1	1	19.19		19.41		19.34	0.0	20.0	22.15		21.25		21.37	0.0	23.0		
256QAM	1	1	19.26		19.37		19.35	0.0	20.0	20.84		21.75		21.46	0.5	22.5		
CP-OFDM	QPSK	1	1	19.29		19.40		19.41	0.0	20.0	22.29		21.93		22.28	0.0	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				MPR	Tune-up Limit	Measured Pwr (dBm)				MPR	Tune-up Limit		
					504204		518598				532998	504204		518598				532998
					2521.02 MHz		2592.99 MHz				2664.99 MHz	2521.02 MHz		2592.99 MHz				2664.99 MHz
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.47		19.74		19.60	0.0	20.0	22.55		22.74		22.47	0.0	23.0
			1	66	19.51		19.71		19.36	0.0	20.0	22.65		22.65		22.21	0.0	23.0
			1	131	19.67		19.78		19.34	0.0	20.0	22.87		22.59		22.27	0.0	23.0
			64	0	19.44		19.75		19.43	0.0	20.0	22.67		22.60		22.25	0.0	23.0
			64	34	19.63		19.82		19.58	0.0	20.0	22.77		22.78		22.33	0.0	23.0
			64	69	19.56		19.74		19.26	0.0	20.0	22.77		22.61		22.26	0.0	23.0
		128	0	19.63		19.75		19.38	0.0	20.0	22.77		22.59		22.32	0.0	23.0	
		QPSK	1	1	19.42		19.72		19.60	0.0	20.0	22.57		22.83		22.45	0.0	23.0
			1	66	19.43		19.68		19.46	0.0	20.0	22.72		22.62		22.31	0.0	23.0
			1	131	19.68		19.76		19.41	0.0	20.0	22.84		22.70		22.32	0.0	23.0
			64	0	19.46		19.81		19.45	0.0	20.0	22.66		22.71		22.37	0.0	23.0
			64	34	19.71		19.89		19.50	0.0	20.0	22.89		22.73		22.39	0.0	23.0
			64	69	19.73		19.75		19.42	0.0	20.0	22.81		22.70		22.35	0.0	23.0
		128	0	19.60		19.80		19.44	0.0	20.0	22.83		22.65		22.34	0.0	23.0	
		16QAM	1	1	19.48		19.71		19.51	0.0	20.0	22.56		22.76		22.35	0.0	23.0
1	66		19.58		19.78		19.48	0.0	20.0	22.72		22.63		22.31	0.0	23.0		
1	131		19.72		19.73		19.38	0.0	20.0	22.74		22.70		21.89	0.0	23.0		
64QAM	1	1	19.44		19.72		19.54	0.0	20.0	22.37		22.64		22.23	0.0	23.0		
256QAM	1	1	19.47		19.68		19.52	0.0	20.0	20.53		22.16		22.14	0.5	22.5		
CP-OFDM	QPSK	1	1	19.60		19.72		19.72	0.0	20.0	22.13		22.77		22.57	0.0	23.0	

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n41 (PC2 SA/NSA Ant E) (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
					503202	513468		523734	534000			503202	513468		523734	534000		
					2516.01 MHz	2567.34 MHz		2618.67 MHz	2670.00 MHz			2516.01 MHz	2567.34 MHz		2618.67 MHz	2670.00 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.30	19.42		19.57	19.31	0.0	20.0	22.45	22.24		22.27	22.05	0.0	23.0
			1	52	19.38	19.52		19.51	19.21	0.0	20.0	22.09	22.37		22.34	21.94	0.0	23.0
			1	104	19.50	19.67		19.36	19.14	0.0	20.0	21.72	22.51		22.42	21.87	0.0	23.0
			50	0	19.32	19.47		19.58	19.31	0.0	20.0	22.07	22.30		22.31	21.96	0.0	23.0
			50	28	19.45	19.62		19.59	19.26	0.0	20.0	22.16	22.51		22.51	21.99	0.0	23.0
			50	56	19.49	19.62		19.48	19.26	0.0	20.0	22.21	22.36		22.43	21.88	0.0	23.0
		100	0	19.48	19.66		19.71	19.42	0.0	20.0	22.23	22.45		22.50	22.09	0.0	23.0	
		1	1	19.40	19.43		19.58	19.42	0.0	20.0	22.01	22.26		22.48	22.07	0.0	23.0	
		1	52	19.41	19.52		19.58	19.28	0.0	20.0	22.18	22.32		22.46	21.95	0.0	23.0	
		1	104	19.38	19.70		19.54	19.21	0.0	20.0	22.31	22.42		22.56	21.95	0.0	23.0	
		50	0	19.39	19.52		19.55	19.37	0.0	20.0	22.05	22.27		22.33	21.96	0.0	23.0	
		50	28	19.52	19.71		19.62	19.39	0.0	20.0	22.24	22.39		22.46	21.98	0.0	23.0	
	50	56	19.53	19.59		19.46	19.21	0.0	20.0	22.14	22.38		22.40	21.84	0.0	23.0		
	100	0	19.52	19.74		19.66	19.41	0.0	20.0	22.23	22.42		22.44	22.02	0.0	23.0		
	16QAM	1	1	19.28	19.42		19.52	19.32	0.0	20.0	21.95	22.15		22.23	21.88	0.0	23.0	
	1	52	19.41	19.59		19.53	19.29	0.0	20.0	22.12	22.27		22.41	21.94	0.0	23.0		
	1	104	19.42	19.60		19.41	19.07	0.0	20.0	22.22	22.32		22.45	21.84	0.0	23.0		
64QAM	1	1	19.23	19.43		19.53	19.32	0.0	20.0	22.65	22.13		22.67	22.05	0.0	23.0		
256QAM	1	1	19.27	19.42		19.49	19.32	0.0	20.0	22.27	21.69		22.24	21.46	0.5	22.5		
CP-OFDM	QPSK	1	1	19.34	19.57		19.62	19.45	0.0	20.0	22.18	22.23		22.27	22.01	0.0	23.0	
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.46	19.59	19.79	19.62	19.32	0.0	20.0	22.16	22.40	22.53	22.75	22.47	0.0	23.0
			1	39	19.32	19.53	19.65	19.51	19.26	0.0	20.0	22.28	22.40	22.56	22.56	22.39	0.0	23.0
			1	76	19.56	19.62	19.72	19.50	19.20	0.0	20.0	22.41	22.52	22.54	22.72	22.55	0.0	23.0
			36	0	19.24	19.46	19.67	19.48	19.15	0.0	20.0	22.13	22.27	22.70	22.36	22.34	0.0	23.0
			36	21	19.41	19.43	19.63	19.51	19.21	0.0	20.0	22.13	22.34	22.51	22.46	22.35	0.0	23.0
			36	42	19.38	19.51	19.61	19.45	19.08	0.0	20.0	22.15	22.25	22.41	22.40	22.31	0.0	23.0
		75	0	19.36	19.48	19.67	19.49	19.21	0.0	20.0	22.17	22.27	22.63	22.39	22.38	0.0	23.0	
		1	1	19.50	19.60	19.75	19.71	19.45	0.0	20.0	22.22	22.37	22.73	22.52	22.49	0.0	23.0	
		1	39	19.43	19.57	19.69	19.62	19.28	0.0	20.0	22.27	22.44	22.70	22.76	22.32	0.0	23.0	
		1	76	19.43	19.73	19.67	19.60	19.23	0.0	20.0	22.31	22.55	22.10	22.50	22.57	0.0	23.0	
		36	0	19.36	19.47	19.67	19.48	19.21	0.0	20.0	21.46	22.25	22.81	22.39	22.28	0.0	23.0	
		36	21	19.36	19.61	19.70	19.53	19.27	0.0	20.0	22.19	22.33	22.63	22.38	22.37	0.0	23.0	
	36	42	19.47	19.56	19.65	19.40	19.18	0.0	20.0	22.30	22.33	22.38	22.37	22.40	0.0	23.0		
	75	0	19.41	19.56	19.67	19.44	19.23	0.0	20.0	22.07	22.31	22.62	22.32	22.45	0.0	23.0		
	16QAM	1	1	19.45	19.52	19.79	19.60	19.39	0.0	20.0	22.15	22.23	22.80	22.43	22.43	0.0	23.0	
	1	39	19.40	19.54	19.82	19.54	19.21	0.0	20.0	22.18	22.25	22.86	22.42	22.43	0.0	23.0		
	1	76	19.51	19.61	19.82	19.49	19.11	0.0	20.0	22.19	22.35	22.52	22.40	22.50	0.0	23.0		
64QAM	1	1	19.31	19.59	19.85	19.60	19.39	0.0	20.0	22.11	22.26	22.94	22.39	22.35	0.0	23.0		
256QAM	1	1	19.35	19.57	19.68	19.58	19.34	0.0	20.0	20.56	21.78	22.39	22.38	22.31	0.5	22.5		
CP-OFDM	QPSK	1	1	19.41	19.61	19.61	19.61	19.41	0.0	20.0	22.36	22.33	22.81	22.33	22.44	0.0	23.0	

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n41 (PC2 SA/NSA Ant E) (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
					501702	510150	518598	527052	535500			501702	510150	518598	527052	535500		
					2508.51 MHz	2550.75 MHz	2592.99 MHz	2635.26 MHz	2677.50 MHz			2508.51 MHz	2550.75 MHz	2592.99 MHz	2635.26 MHz	2677.50 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.42	19.45	19.60	19.51	19.30	0.0	20.0	22.63	22.67	22.56	22.55	22.33	0.0	23.0
			1	32	19.40	19.36	19.64	19.45	19.23	0.0	20.0	22.48	22.82	22.52	22.46	22.21	0.0	23.0
			1	63	19.54	19.62	19.63	19.39	19.17	0.0	20.0	22.44	22.86	22.44	22.44	22.48	0.0	23.0
			32	0	19.34	19.34	19.44	19.39	19.11	0.0	20.0	22.40	22.53	22.38	22.37	22.32	0.0	23.0
			32	16	19.36	19.42	19.51	19.36	19.19	0.0	20.0	22.34	22.64	22.49	22.42	22.53	0.0	23.0
			32	33	19.44	19.37	19.58	19.37	19.08	0.0	20.0	22.18	22.62	22.33	22.30	22.11	0.0	23.0
			64	0	19.38	19.34	19.46	19.30	19.17	0.0	20.0	22.45	22.61	22.46	22.41	22.21	0.0	23.0
		QPSK	1	1	19.44	19.52	19.50	19.56	19.37	0.0	20.0	22.62	22.73	22.70	22.67	22.39	0.0	23.0
			1	32	19.40	19.31	19.62	19.48	19.23	0.0	20.0	22.44	22.45	22.52	22.47	22.33	0.0	23.0
			1	63	19.54	19.55	19.58	19.47	19.17	0.0	20.0	22.42	22.47	22.59	22.42	22.17	0.0	23.0
			32	0	19.30	19.34	19.44	19.31	19.19	0.0	20.0	22.44	22.60	22.45	22.47	22.20	0.0	23.0
			32	16	19.41	19.42	19.59	19.34	19.17	0.0	20.0	22.46	22.56	22.50	22.46	22.27	0.0	23.0
			32	33	19.36	19.37	19.56	19.30	19.13	0.0	20.0	22.34	22.55	22.44	22.40	22.15	0.0	23.0
			64	0	19.39	19.39	19.47	19.31	19.17	0.0	20.0	22.46	22.66	22.57	22.43	22.25	0.0	23.0
		16QAM	1	1	19.34	19.40	19.56	19.51	19.29	0.0	20.0	22.56	22.61	22.72	22.55	22.42	0.0	23.0
			1	32	19.29	19.39	19.50	19.44	19.16	0.0	20.0	22.46	22.59	22.48	22.45	22.25	0.0	23.0
			1	63	19.40	19.45	19.51	19.30	19.20	0.0	20.0	22.25	22.71	22.39	22.28	22.41	0.0	23.0
		64QAM	1	1	19.33	19.35	19.56	19.52	19.29	0.0	20.0	22.56	22.67	22.72	22.41	22.44	0.0	23.0
256QAM	1	1	19.35	19.34	19.54	19.51	19.29	0.0	20.0	20.56	22.32	22.35	21.14	22.09	0.5	22.5		
CP-OFDM	QPSK	1	1	19.48	19.39	19.60	19.59	19.35	0.0	20.0	22.62	22.61	22.71	22.42	22.35	0.0	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					501204	509904	518598	527298	535998			501204	509904	518598	527298	535998		
					2506.02 MHz	2549.52 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz			2506.02 MHz	2549.52 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.18	19.38	19.49	19.39	19.11	0.0	20.0	22.54	22.63	22.80	22.76	22.82	0.0	23.0
			1	25	19.29	19.36	19.52	19.42	19.14	0.0	20.0	22.59	22.70	22.83	22.70	22.71	0.0	23.0
			1	49	19.29	19.45	19.49	19.27	19.10	0.0	20.0	22.66	22.80	22.85	22.81	22.83	0.0	23.0
			25	0	19.19	19.35	19.42	19.26	19.06	0.0	20.0	22.57	22.58	22.76	22.79	22.81	0.0	23.0
			25	13	19.23	19.49	19.42	19.34	19.16	0.0	20.0	22.61	22.74	22.90	22.90	22.86	0.0	23.0
			25	26	19.21	19.37	19.39	19.21	19.01	0.0	20.0	22.65	22.74	22.80	22.83	22.75	0.0	23.0
			50	0	19.31	19.49	19.53	19.41	19.22	0.0	20.0	22.63	22.76	22.89	22.87	22.84	0.0	23.0
		QPSK	1	1	19.27	19.36	19.51	19.39	19.13	0.0	20.0	22.57	22.73	22.71	22.79	22.79	0.0	23.0
			1	25	19.36	19.49	19.65	19.43	19.16	0.0	20.0	22.53	22.83	22.94	22.89	22.87	0.0	23.0
			1	49	19.34	19.42	19.57	19.31	18.98	0.0	20.0	22.49	22.69	22.84	22.83	22.88	0.0	23.0
			25	0	19.24	19.33	19.41	19.34	19.03	0.0	20.0	22.38	22.61	22.79	22.68	22.57	0.0	23.0
			25	13	19.33	19.49	19.57	19.47	19.12	0.0	20.0	22.51	22.79	22.90	22.96	22.64	0.0	23.0
			25	26	19.27	19.37	19.46	19.33	18.99	0.0	20.0	22.46	22.69	22.78	22.82	22.72	0.0	23.0
			50	0	19.38	19.41	19.57	19.38	19.10	0.0	20.0	22.32	22.83	22.82	22.79	22.61	0.0	23.0
		16QAM	1	1	19.22	19.28	19.48	19.37	18.98	0.0	20.0	22.15	22.26	22.25	22.20	22.35	0.0	23.0
			1	25	19.31	19.43	19.52	19.37	19.04	0.0	20.0	21.59	22.31	22.39	22.38	22.35	0.0	23.0
			1	49	19.34	19.41	19.53	19.29	18.96	0.0	20.0	21.97	22.38	22.31	22.45	22.28	0.0	23.0
		64QAM	1	1	19.22	19.26	19.40	19.35	19.01	0.0	20.0	22.05	22.37	22.10	22.39	22.29	0.0	23.0
256QAM	1	1	19.16	19.32	19.42	19.35	18.99	0.0	20.0	20.57	21.14	21.16	21.55	21.49	0.5	22.5		
CP-OFDM	QPSK	1	1	19.22	19.34	19.55	19.41	19.12	0.0	20.0	21.98	22.07	22.13	22.15	22.16	0.0	23.0	

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n41 (PC2 SA/NSA Ant E) (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
					500700	509652	518598	527550	536496			500700	509652	518598	527550	536496		
					2503.50 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz			2503.50 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.23	19.25	19.52	19.33	19.21	0.0	20.0	22.56	22.75	22.77	22.85	22.64	0.0	23.0
			1	18	19.47	19.24	19.50	19.40	19.09	0.0	20.0	22.62	22.84	22.67	22.86	22.58	0.0	23.0
			1	36	19.30	19.18	19.56	19.35	19.15	0.0	20.0	22.77	22.76	22.71	22.89	22.54	0.0	23.0
			18	0	19.17	18.98	19.36	19.31	19.10	0.0	20.0	22.59	22.86	22.60	22.72	22.53	0.0	23.0
			18	10	19.32	19.12	19.57	19.47	19.25	0.0	20.0	22.74	22.84	22.83	22.83	22.67	0.0	23.0
			18	20	19.23	19.14	19.39	19.28	19.05	0.0	20.0	22.59	22.68	22.53	22.71	22.46	0.0	23.0
		36	0	19.15	19.09	19.41	19.19	19.06	0.0	20.0	22.57	22.74	22.58	22.69	22.62	0.0	23.0	
		QPSK	1	1	19.23	19.31	19.51	19.41	19.23	0.0	20.0	22.68	22.93	22.68	22.71	22.73	0.0	23.0
			1	18	19.28	19.32	19.54	19.49	19.17	0.0	20.0	22.65	22.91	22.73	22.62	22.65	0.0	23.0
			1	36	19.32	19.34	19.51	19.42	19.14	0.0	20.0	22.76	22.92	22.66	22.76	21.92	0.0	23.0
			18	0	19.21	19.20	19.44	19.31	19.07	0.0	20.0	22.59	22.84	22.65	22.01	22.49	0.0	23.0
			18	10	19.26	19.42	19.63	19.36	19.13	0.0	20.0	22.78	22.98	22.89	22.64	22.64	0.0	23.0
			18	20	19.20	19.25	19.37	19.31	19.06	0.0	20.0	22.63	22.78	22.55	22.09	21.65	0.0	23.0
		36	0	19.20	19.21	19.41	19.29	19.06	0.0	20.0	22.59	22.81	22.65	22.04	22.55	0.0	23.0	
		16QAM	1	1	19.16	19.26	19.45	19.35	19.13	0.0	20.0	22.46	22.78	22.67	22.12	22.59	0.0	23.0
			1	18	19.16	19.24	19.42	19.37	19.09	0.0	20.0	22.53	22.79	22.63	21.96	22.19	0.0	23.0
			1	36	19.18	19.34	19.48	19.34	19.09	0.0	20.0	22.55	22.82	22.69	22.28	22.00	0.0	23.0
		64QAM	1	1	19.18	19.25	19.42	19.34	19.12	0.0	20.0	21.71	22.72	22.63	21.08	21.39	0.0	23.0
256QAM	1	1	19.21	19.25	19.44	19.41	19.13	0.0	20.0	20.63	22.05	21.41	20.88	20.98	0.5	22.5		
CP-OFDM	QPSK	1	1	19.32	19.31	19.56	19.46	19.22	0.0	20.0	22.05	22.85	22.75	21.67	22.48	0.0	23.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)					MPR	Tune-up Limit	Measured Pwr (dBm)					MPR	Tune-up Limit
					500202	509400	518598	527802	537000			500202	509400	518598	527802	537000		
					2501.01 MHz	2547.00 MHz	2592.99 MHz	2639.01 MHz	2685.00 MHz			2501.01 MHz	2547.00 MHz	2592.99 MHz	2639.01 MHz	2685.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	19.52	19.73	19.57	19.53	19.24	0.0	20.0	22.41	22.61	22.78	22.51	22.39	0.0	23.0
			1	12	19.45	19.71	19.55	19.47	19.11	0.0	20.0	22.46	22.56	22.71	22.48	22.28	0.0	23.0
			1	22	19.52	19.78	19.65	19.51	19.17	0.0	20.0	22.41	22.65	22.77	22.54	22.31	0.0	23.0
			12	0	19.36	19.52	19.52	19.41	19.07	0.0	20.0	22.29	22.49	22.57	22.39	22.19	0.0	23.0
			12	6	19.47	19.75	19.55	19.42	19.18	0.0	20.0	22.34	22.69	22.73	22.43	22.19	0.0	23.0
			12	12	19.41	19.67	19.57	19.32	19.13	0.0	20.0	22.41	22.52	22.62	22.41	22.17	0.0	23.0
		24	0	19.44	19.51	19.46	19.32	19.16	0.0	20.0	22.31	22.48	22.57	22.44	22.14	0.0	23.0	
		QPSK	1	1	19.57	19.71	19.67	19.56	19.26	0.0	20.0	22.36	22.60	22.76	22.63	22.35	0.0	23.0
			1	12	19.45	19.67	19.66	19.41	19.16	0.0	20.0	22.37	22.67	22.71	22.56	22.29	0.0	23.0
			1	22	19.61	19.75	19.69	19.48	19.23	0.0	20.0	22.42	22.71	22.77	22.62	22.07	0.0	23.0
			12	0	19.45	19.44	19.58	19.39	19.15	0.0	20.0	22.27	22.49	22.68	22.44	22.21	0.0	23.0
			12	6	19.56	19.52	19.70	19.49	19.23	0.0	20.0	22.36	22.56	22.73	22.48	22.33	0.0	23.0
			12	12	19.46	19.51	19.62	19.37	19.12	0.0	20.0	22.34	22.56	22.69	22.39	22.03	0.0	23.0
		24	0	19.49	19.51	19.58	19.45	19.14	0.0	20.0	22.30	22.49	22.64	22.44	22.22	0.0	23.0	
		16QAM	1	1	19.51	19.56	19.57	19.53	19.25	0.0	20.0	22.39	22.64	22.71	22.49	22.26	0.0	23.0
			1	12	19.52	19.52	19.61	19.47	19.17	0.0	20.0	22.38	22.58	22.65	22.42	22.22	0.0	23.0
			1	22	19.54	19.56	19.71	19.44	19.13	0.0	20.0	22.45	22.60	22.74	22.48	21.81	0.0	23.0
		64QAM	1	1	19.49	19.62	19.62	19.54	19.28	0.0	20.0	22.41	22.52	22.71	22.22	21.89	0.0	23.0
256QAM	1	1	19.47	19.61	19.66	19.53	19.27	0.0	20.0	21.87	21.78	21.97	21.71	21.63	0.5	22.5		
CP-OFDM	QPSK	1	1	19.55	19.70	19.79	19.65	19.36	0.0	20.0	22.51	22.61	22.79	22.60	22.31	0.0	23.0	

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n41 (PC2 SA-switching Ant B) (Voice/data/SRS0) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)						Maximum Allowed Average Power (dBm)						Maximum Allowed Average Power (dBm)										
					DSI = 0						DSI = 1						DSI = 2,3										
					Measured Pwr (dBm)						Measured Pwr (dBm)						Measured Pwr (dBm)										
					518538		2592.99 MHz		MFR	Tune-up Limit	518538		2592.99 MHz		MFR	Tune-up Limit	518538		2592.99 MHz		MFR	Tune-up Limit					
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1			17.14			0.0	17.5			18.76			0.0	19.0			25.83			0.0	26.0		
			1	136			16.98			0.0	17.5			18.57			0.0	19.0			25.72			0.0	26.0		
			1	271			17.48			0.0	17.5			18.71			0.0	19.0			25.86			0.0	26.0		
			135	0			17.02			0.0	17.5			18.64			0.0	19.0			25.35			0.5	25.5		
			135	69			17.07			0.0	17.5			18.61			0.0	19.0			25.84			0.0	26.0		
			135	138			17.08			0.0	17.5			18.64			0.0	19.0			25.26			0.5	25.5		
			270	0			17.04			0.0	17.5			18.73			0.0	19.0			25.42			0.5	25.5		
		1	1			17.17			0.0	17.5			18.88			0.0	19.0			25.98			0.0	26.0			
		1	136			16.98			0.0	17.5			18.74			0.0	19.0			25.88			0.0	26.0			
		1	271			17.16			0.0	17.5			18.85			0.0	19.0			25.93			0.0	26.0			
		135	0			17.08			0.0	17.5			18.72			0.0	19.0			24.97			1.0	25.0			
		135	69			17.03			0.0	17.5			18.79			0.0	19.0			25.88			0.0	26.0			
		135	138			17.07			0.0	17.5			18.78			0.0	19.0			24.99			1.0	25.0			
		270	0			17.27			0.0	17.5			18.87			0.0	19.0			24.96			1.0	25.0			
		16QAM	1	1				17.29			0.0	17.5			18.96			0.0	19.0			24.98			1.0	25.0	
		16QAM	1	136				17.17			0.0	17.5			18.81			0.0	19.0			24.83			1.0	25.0	
		16QAM	1	271				17.20			0.0	17.5			18.94			0.0	19.0			24.88			1.0	25.0	
		64QAM	1	1				17.28			0.0	17.5			18.98			0.0	19.0			23.45			2.5	23.5	
		256QAM	1	1				17.34			0.0	17.5			18.94			0.0	19.0			21.39			4.5	21.5	
		CP-OFDM	QPSK	1	1			17.32			0.0	17.5			18.98			0.0	19.0			24.39			1.5	24.5	
		BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						Measured Pwr (dBm)						Measured Pwr (dBm)								
508200							2541.00 MHz		528996	MFR	Tune-up Limit	508200		2541.00 MHz		528996	MFR	Tune-up Limit	508200		2541.00 MHz		528996	MFR	Tune-up Limit		
2541.00 MHz							2644.98 MHz					2541.00 MHz		2644.98 MHz					2541.00 MHz		2644.98 MHz						
508200							2541.00 MHz		528996	MFR	Tune-up Limit	508200		2541.00 MHz		528996	MFR	Tune-up Limit	508200		2541.00 MHz		528996	MFR	Tune-up Limit		
90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.01			16.95	0.0	17.5	18.38			18.41	0.0	19.0	25.61			25.19	0.0	26.0					
			1	122	16.83			16.99	0.0	17.5	18.23			18.44	0.0	19.0	25.65			25.48	0.0	26.0					
			1	243	16.89			17.20	0.0	17.5	18.39			18.67	0.0	19.0	25.86			25.11	0.0	26.0					
			120	0	16.86			17.15	0.0	17.5	18.21			18.49	0.0	19.0	24.66			24.62	0.5	25.5					
			120	62	16.89			17.23	0.0	17.5	18.22			18.61	0.0	19.0	25.90			25.19	0.0	26.0					
			120	125	16.88			17.31	0.0	17.5	18.25			18.66	0.0	19.0	25.39			25.02	0.5	25.5					
			243	0	16.87			17.37	0.0	17.5	18.27			18.74	0.0	19.0	25.41			24.44	0.5	25.5					
		1	1	17.06			17.06	0.0	17.5	18.26			18.52	0.0	19.0	24.71			24.34	0.0	26.0						
		1	122	16.88			17.29	0.0	17.5	18.27			18.68	0.0	19.0	25.39			24.60	0.0	26.0						
		1	243	17.04			17.41	0.0	17.5	18.49			18.84	0.0	19.0	25.91			24.40	0.0	26.0						
		120	0	16.92			17.09	0.0	17.5	18.29			18.54	0.0	19.0	23.78			23.40	1.0	25.0						
		120	62	16.87			17.29	0.0	17.5	18.32			18.75	0.0	19.0	25.64			24.48	0.0	26.0						
		120	125	16.90			17.34	0.0	17.5	18.32			18.68	0.0	19.0	24.89			23.79	1.0	25.0						
		243	0	16.89			17.37	0.0	17.5	18.31			18.81	0.0	19.0	24.98			23.68	1.0	25.0						
		16QAM	1	1	16.87			16.93	0.0	17.5	18.22			18.36	0.0	19.0	24.34			23.84	1.0	25.0					
		16QAM	1	122	16.71			17.10	0.0	17.5	18.11			18.53	0.0	19.0	24.81			24.03	1.0	25.0					
		16QAM	1	243	16.99			17.36	0.0	17.5	18.37			18.70	0.0	19.0	24.85			24.02	1.0	25.0					
		64QAM	1	1	16.74			16.87	0.0	17.5	18.21			18.31	0.0	19.0	22.86			22.91	2.5	23.5					
		256QAM	1	1	16.84			16.95	0.0	17.5	18.27			18.31	0.0	19.0	21.01			21.33	4.5	21.5					
		CP-OFDM	QPSK	1	1	16.96			17.08	0.0	17.5	18.31			18.51	0.0	19.0	24.16			23.96	1.5	24.5				

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n41 (PC2 SA-switching 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	Measured Pwr (dBm)				MPR	Tune-up Limit
					507204		529998				507204		529998				507204		529998			
					2536.02 MHz			2649.99 MHz			2536.02 MHz			2649.99 MHz			2536.02 MHz			2649.99 MHz		
80 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.09			17.05	0.0	17.5	18.29			18.40	0.0	19.0	25.58			25.81	0.0	26.0
			1	108	16.91			17.07	0.0	17.5	18.28			18.33	0.0	19.0	25.69			25.90	0.0	26.0
			1	215	17.06			17.30	0.0	17.5	18.49			18.54	0.0	19.0	25.82			24.52	0.0	26.0
			108	0	16.93			16.99	0.0	17.5	18.30			18.32	0.0	19.0	25.22			25.12	0.5	25.5
			108	54	17.04			17.16	0.0	17.5	18.49			18.43	0.0	19.0	25.83			25.64	0.0	26.0
			108	109	16.83			17.09	0.0	17.5	18.27			18.42	0.0	19.0	25.23			25.24	0.5	25.5
		216	0	17.06			17.20	0.0	17.5	18.50			18.48	0.0	19.0	25.32			25.48	0.5	25.5	
		1	1	17.12			17.12	0.0	17.5	18.47			18.35	0.0	19.0	25.72			25.51	0.0	26.0	
		1	108	16.98			17.01	0.0	17.5	18.39			18.33	0.0	19.0	25.74			25.89	0.0	26.0	
		1	215	17.41			17.13	0.0	17.5	18.75			18.38	0.0	19.0	25.83			23.92	0.0	26.0	
		108	0	16.98			17.01	0.0	17.5	18.38			18.24	0.0	19.0	24.75			24.90	1.0	25.0	
		108	54	17.02			17.01	0.0	17.5	18.43			18.32	0.0	19.0	25.68			25.98	0.0	26.0	
		108	109	16.98			16.92	0.0	17.5	18.36			18.21	0.0	19.0	24.73			24.95	1.0	25.0	
		216	0	17.00			17.14	0.0	17.5	18.47			18.37	0.0	19.0	24.82			24.78	1.0	25.0	
		1	1	16.97			17.04	0.0	17.5	18.37			18.29	0.0	19.0	24.72			24.54	1.0	25.0	
		1	108	16.96			17.00	0.0	17.5	18.33			18.24	0.0	19.0	24.86			24.58	1.0	25.0	
		1	215	17.06			17.06	0.0	17.5	18.40			18.35	0.0	19.0	24.83			24.12	1.0	25.0	
		64QAM	1	1	16.99			17.02	0.0	17.5	18.38			18.29	0.0	19.0	23.18			23.24	2.5	23.5
256QAM	1	1	16.89			17.02	0.0	17.5	18.31			18.36	0.0	19.0	21.20			21.15	4.5	21.5		
CP-OFDM	QPSK	1	1	17.11			17.13	0.0	17.5	18.54			18.48	0.0	19.0	24.38			24.34	1.5	24.5	
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.17			17.02	0.0	17.5	18.39			18.21	0.0	19.0	25.51			25.63	0.0	26.0
			1	94	17.11			16.90	0.0	17.5	18.40			18.27	0.0	19.0	25.71			25.81	0.0	26.0
			1	187	17.04			17.04	0.0	17.5	18.38			18.33	0.0	19.0	25.72			24.50	0.0	26.0
			90	0	17.03			16.94	0.0	17.5	18.45			18.22	0.0	19.0	25.34			25.37	0.5	25.5
			90	49	17.07			17.01	0.0	17.5	18.47			18.34	0.0	19.0	25.84			25.88	0.0	26.0
			90	99	17.13			17.04	0.0	17.5	18.40			18.30	0.0	19.0	25.27			25.40	0.5	25.5
		180	0	17.14			16.99	0.0	17.5	18.46			18.36	0.0	19.0	25.31			25.42	0.5	25.5	
		1	1	17.19			17.01	0.0	17.5	18.41			18.28	0.0	19.0	25.51			25.51	0.0	26.0	
		1	94	17.14			16.98	0.0	17.5	18.39			18.25	0.0	19.0	25.70			25.97	0.0	26.0	
		1	187	17.08			17.16	0.0	17.5	18.38			18.37	0.0	19.0	25.58			23.88	0.0	26.0	
		90	0	17.08			16.94	0.0	17.5	18.52			18.34	0.0	19.0	24.81			24.87	1.0	25.0	
		90	49	17.20			16.95	0.0	17.5	18.48			18.25	0.0	19.0	25.86			25.67	0.0	26.0	
		90	99	17.10			17.02	0.0	17.5	18.40			18.34	0.0	19.0	24.79			24.78	1.0	25.0	
		180	0	17.15			17.08	0.0	17.5	18.43			18.31	0.0	19.0	24.98			24.83	1.0	25.0	
		1	1	16.90			17.05	0.0	17.5	18.48			18.26	0.0	19.0	24.59			24.64	1.0	25.0	
		1	94	16.66			17.02	0.0	17.5	18.42			18.31	0.0	19.0	24.87			24.74	1.0	25.0	
		1	187	16.95			17.03	0.0	17.5	18.39			18.29	0.0	19.0	24.79			24.74	1.0	25.0	
		64QAM	1	1	16.90			17.07	0.0	17.5	18.49			18.32	0.0	19.0	23.04			23.13	2.5	23.5
256QAM	1	1	16.90			17.33	0.0	17.5	18.60			18.27	0.0	19.0	21.06			21.08	4.5	21.5		
CP-OFDM	QPSK	1	1	17.12			17.05	0.0	17.5	18.05			18.28	0.0	19.0	24.15			24.42	1.5	24.5	

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n41 (PC2 SA-switching 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	Measured Pwr (dBm)				MPR	Tune-up Limit			
					506200	518598	531996				506200	518598	531996				506200	518598	531996						
					2526.00 MHz	2592.99 MHz	2659.98 MHz				2526.00 MHz	2592.99 MHz	2659.98 MHz				2526.00 MHz	2592.99 MHz	2659.98 MHz						
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.16		17.25		17.20	0.0	17.5	18.49		18.11		18.32	0.0	19.0	25.71		25.51		25.61	0.0	26.0
			1	80	17.06		17.13		17.18	0.0	17.5	18.40		18.02		18.26	0.0	19.0	25.70		25.46		25.62	0.0	26.0
			1	160	17.01		17.33		17.31	0.0	17.5	18.30		18.35		18.35	0.0	19.0	25.87		25.61		24.20	0.0	26.0
			81	0	17.02		17.19		17.19	0.0	17.5	18.35		18.09		18.24	0.0	19.0	25.24		25.12		25.15	0.5	25.5
			81	40	17.10		17.25		17.21	0.0	17.5	18.39		18.16		18.31	0.0	19.0	25.88		25.80		25.88	0.0	26.0
			81	81	17.06		17.27		17.17	0.0	17.5	18.40		18.11		18.28	0.0	19.0	25.42		25.18		24.92	0.5	25.5
			162	0	17.15		17.20		17.22	0.0	17.5	18.47		18.26		18.30	0.0	19.0	25.40		25.41		24.65	0.5	25.5
		1	1	17.17		17.16		17.17	0.0	17.5	18.49		18.22		18.37	0.0	19.0	25.58		25.57		25.67	0.0	26.0	
		1	80	17.07		17.21		17.10	0.0	17.5	18.40		18.12		18.23	0.0	19.0	25.57		25.49		25.48	0.0	26.0	
		1	160	17.16		17.40		17.32	0.0	17.5	18.40		18.39		18.41	0.0	19.0	25.90		25.37		24.10	0.0	26.0	
		81	0	17.00		17.22		17.13	0.0	17.5	18.35		18.26		18.25	0.0	19.0	24.70		24.50		24.72	1.0	25.0	
		81	40	17.23		17.30		17.31	0.0	17.5	18.49		18.32		18.25	0.0	19.0	25.71		25.69		25.86	0.0	26.0	
		81	81	17.08		17.24		17.14	0.0	17.5	18.37		18.24		18.30	0.0	19.0	24.98		24.66		24.82	1.0	25.0	
		162	0	17.18		17.35		17.23	0.0	17.5	18.49		18.37		18.36	0.0	19.0	24.89		24.83		24.63	1.0	25.0	
		1	1	17.00		17.23		17.05	0.0	17.5	18.26		18.29		18.28	0.0	19.0	24.57		24.48		23.45	1.0	25.0	
		1	80	16.73		17.24		17.03	0.0	17.5	18.00		18.21		18.30	0.0	19.0	24.67		24.59		24.39	1.0	25.0	
		1	160	16.90		17.36		17.14	0.0	17.5	18.24		18.27		18.27	0.0	19.0	24.81		24.79		24.36	1.0	25.0	
		64QAM	1	1	16.98		16.98		17.35	0.0	17.5	18.21		18.26		18.34	0.0	19.0	23.01		23.01		22.98	2.5	23.5
		256QAM	1	1	16.98		16.96		17.10	0.0	17.5	18.24		18.21		18.59	0.0	19.0	20.96		20.88		21.09	4.5	21.5
		CP-OFDM	QPSK	1	1	17.01		17.06		17.11	0.0	17.5	18.36		18.29		18.30	0.0	19.0	24.11		24.14		24.04	1.5
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.15		17.22		17.18	0.0	17.5	18.41		18.54		18.52	0.0	19.0	25.74		25.75		25.71	0.0	26.0
			1	66	17.03		17.05		17.11	0.0	17.5	18.39		18.36		18.43	0.0	19.0	25.73		25.74		25.68	0.0	26.0
			1	131	17.19		17.35		17.39	0.0	17.5	18.44		18.69		18.61	0.0	19.0	25.86		25.30		24.74	0.0	26.0
			64	0	17.07		17.22		17.17	0.0	17.5	18.39		18.51		18.45	0.0	19.0	25.13		25.08		25.19	0.5	25.5
			64	34	17.26		17.25		17.33	0.0	17.5	18.52		18.59		18.54	0.0	19.0	25.45		25.87		25.80	0.0	26.0
			64	69	17.10		17.26		17.20	0.0	17.5	18.46		18.53		18.47	0.0	19.0	25.49		25.37		25.36	0.5	25.5
			128	0	17.17		17.16		17.12	0.0	17.5	18.48		18.46		18.49	0.0	19.0	25.32		25.34		25.44	0.5	25.5
		1	1	17.16		17.19		17.25	0.0	17.5	18.47		18.49		18.49	0.0	19.0	25.20		25.91		25.92	0.0	26.0	
		1	66	17.17		17.23		17.23	0.0	17.5	18.40		18.49		18.39	0.0	19.0	25.31		25.98		25.94	0.0	26.0	
		1	131	17.26		17.41		17.42	0.0	17.5	18.49		18.69		18.58	0.0	19.0	25.97		25.91		23.95	0.0	26.0	
		64	0	17.02		17.21		17.19	0.0	17.5	18.36		18.48		18.49	0.0	19.0	24.80		24.81		24.88	1.0	25.0	
		64	34	17.16		17.27		17.36	0.0	17.5	18.47		18.59		18.57	0.0	19.0	25.86		24.96		25.78	0.0	26.0	
		64	69	17.10		17.22		17.19	0.0	17.5	18.42		18.55		18.48	0.0	19.0	24.99		24.91		24.87	1.0	25.0	
		128	0	17.10		17.33		17.31	0.0	17.5	18.43		18.59		18.48	0.0	19.0	24.88		24.94		24.98	1.0	25.0	
		1	1	17.09		17.21		17.32	0.0	17.5	18.36		18.57		18.35	0.0	19.0	24.86		24.95		24.98	1.0	25.0	
		1	66	17.07		17.14		17.23	0.0	17.5	18.36		18.48		18.38	0.0	19.0	24.94		24.97		24.80	1.0	25.0	
		1	131	17.09		17.31		17.33	0.0	17.5	18.41		18.59		18.48	0.0	19.0	24.97		24.95		23.76	1.0	25.0	
		64QAM	1	1	17.09		16.96		17.03	0.0	17.5	18.37		18.29		18.69	0.0	19.0	23.24		23.35		23.41	2.5	23.5
		256QAM	1	1	17.12		16.96		17.02	0.0	17.5	18.35		18.27		18.37	0.0	19.0	21.27		21.25		21.42	4.5	21.5
		CP-OFDM	QPSK	1	1	17.17		17.10		17.08	0.0	17.5	18.47		18.39		18.42	0.0	19.0	24.41		24.30		24.11	1.5

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n41 (PC2 SA-switching Ant B) (Voice/data/SRS0) Measured Results (Continued)

Table with columns: BW (MHz), Modulation, Mode, RB Allocation, RB offset, Measured Pwr (dBm) (502202, 510402, 518598, 526800, 534996), MPR, Tune-up Limit, Measured Pwr (dBm) (503202, 519468, 523734, 534000), MPR, Tune-up Limit, Measured Pwr (dBm) (503202, 519468, 523734, 534000), MPR, Tune-up Limit. Rows include 40 MHz and 30 MHz bandwidths with various modulation schemes like pi/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM, and CP-OFDM.

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n41 (PC2 SA-switching 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	Measured Pwr (dBm)					MPR	Tune-up Limit	
					501702	510150	518598	527052	535500			501702	510150	518598	527052	535500			501702	510150	518598	527052	535500			
					2508.51 MHz	2530.75 MHz	2592.99 MHz	2635.26 MHz	2677.50 MHz			2508.51 MHz	2550.75 MHz	2592.99 MHz	2635.26 MHz	2677.50 MHz			2508.51 MHz	2550.75 MHz	2592.99 MHz	2635.26 MHz	2677.50 MHz			
					2508.51 MHz	2530.75 MHz	2592.99 MHz	2635.26 MHz	2677.50 MHz			2508.51 MHz	2550.75 MHz	2592.99 MHz	2635.26 MHz	2677.50 MHz			2508.51 MHz	2550.75 MHz	2592.99 MHz	2635.26 MHz	2677.50 MHz			
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.13	17.02	17.07	17.03	17.11	0.0	17.5	18.79	18.62	18.47	18.52	18.41	0.0	19.0	25.64	25.72	25.77	25.59	25.60	0.0	26.0	
			1	32	17.19	17.10	17.13	17.10	17.12	0.0	17.5	18.70	18.51	18.46	18.56	18.49	0.0	19.0	25.91	25.63	25.57	25.73	25.36	0.0	26.0	
			1	63	17.17	17.23	17.21	17.24	17.24	0.0	17.5	18.72	18.45	18.49	18.47	18.51	0.0	19.0	25.74	25.74	25.68	25.43	25.98	0.0	26.0	
			32	0	17.05	17.05	16.99	17.05	16.99	0.0	17.5	18.52	18.46	18.29	18.36	18.32	0.0	19.0	25.42	25.05	25.13	25.05	25.28	0.5	25.5	
			32	16	17.20	17.12	17.08	17.20	17.17	0.0	17.5	18.60	18.47	18.46	18.42	18.35	0.0	19.0	25.93	25.71	25.55	25.59	25.67	0.0	26.0	
			32	33	17.03	17.01	17.12	17.10	17.00	0.0	17.5	18.52	18.45	18.37	18.37	18.45	0.0	19.0	25.43	25.21	25.06	25.47	25.42	0.5	25.5	
			64	0	17.13	17.04	17.04	17.09	17.09	0.0	17.5	18.61	18.45	18.36	18.39	18.40	0.0	19.0	25.46	25.19	25.01	25.03	25.29	0.5	25.5	
		1	1	17.15	17.14	17.23	17.23	17.15	0.0	17.5	18.71	18.68	18.52	18.57	18.55	0.0	19.0	25.27	25.86	25.68	25.71	25.24	0.0	26.0		
		1	32	17.17	17.21	17.12	17.13	17.13	0.0	17.5	18.64	18.49	18.48	18.52	18.33	0.0	19.0	25.52	25.81	25.77	25.54	25.56	0.0	26.0		
		1	63	17.17	17.27	17.18	17.24	17.22	0.0	17.5	18.72	18.56	18.55	18.59	18.21	0.0	19.0	25.17	25.91	25.81	25.52	25.95	0.0	26.0		
		32	0	17.07	17.00	17.05	17.00	17.04	0.0	17.5	18.54	18.49	18.35	18.40	18.16	0.0	19.0	24.89	24.66	24.98	24.62	24.89	1.0	25.0		
		32	16	17.08	17.14	17.08	17.06	17.03	0.0	17.5	18.60	18.45	18.41	18.44	18.24	0.0	19.0	25.58	25.85	25.91	25.56	25.45	0.0	26.0		
		32	33	17.07	17.10	17.06	17.17	17.17	0.0	17.5	18.58	18.45	18.40	18.40	18.27	0.0	19.0	24.78	24.79	24.32	24.48	24.86	1.0	25.0		
		64	0	17.03	17.08	17.00	17.08	16.98	0.0	17.5	18.61	18.49	18.36	18.38	18.21	0.0	19.0	24.88	24.74	24.89	24.44	24.95	1.0	25.0		
		1	1	17.02	16.96	17.05	16.99	17.06	0.0	17.5	18.62	18.52	18.39	18.48	18.16	0.0	19.0	24.93	24.87	24.86	24.65	24.88	1.0	25.0		
		1	32	17.05	17.04	17.01	17.09	17.01	0.0	17.5	18.60	18.51	18.28	18.42	18.21	0.0	19.0	24.81	24.61	24.73	24.62	24.77	1.0	25.0		
		1	63	17.16	17.14	17.24	17.20	17.20	0.0	17.5	18.66	18.47	18.43	18.42	18.24	0.0	19.0	24.89	24.78	24.44	24.56	24.94	1.0	25.0		
		64QAM	1	1	17.14	17.13	17.06	17.17	17.14	0.0	17.5	18.75	18.53	18.37	18.40	18.19	0.0	19.0	23.44	23.23	23.24	23.19	23.41	2.5	23.5	
		256QAM	1	1	17.03	17.16	17.15	17.11	17.12	0.0	17.5	18.62	18.56	18.42	18.40	18.10	0.0	19.0	21.22	21.18	21.15	21.25	21.21	4.5	21.5	
		CP-OFDM	QPSK	1	1	17.13	17.15	17.13	17.13	17.06	0.0	17.5	18.65	18.73	18.52	18.53	18.54	0.0	19.0	24.49	24.08	24.27	24.17	24.22	1.5	24.5
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.08	17.11	17.24	17.37	17.32	0.0	17.5	18.31	18.07	18.57	18.58	18.41	0.0	19.0	25.43	25.71	25.61	25.55	25.41	0.0	26.0	
			1	25	17.26	17.26	17.43	17.29	17.40	0.0	17.5	18.37	18.05	18.67	18.68	18.62	0.0	19.0	25.89	25.45	25.44	25.63	25.23	0.0	26.0	
			1	49	17.26	17.28	17.32	17.43	17.24	0.0	17.5	18.19	18.10	18.68	18.58	18.52	0.0	19.0	25.77	25.65	25.52	25.29	25.88	0.0	26.0	
			25	0	17.14	17.12	17.26	17.18	17.28	0.0	17.5	18.13	18.11	18.52	18.59	18.38	0.0	19.0	25.13	24.88	25.07	24.94	25.24	0.5	25.5	
			25	13	17.13	17.20	17.39	17.31	17.29	0.0	17.5	18.14	18.17	18.60	18.65	18.48	0.0	19.0	25.81	25.66	25.50	25.52	25.52	0.0	26.0	
			25	26	17.13	17.14	17.20	17.14	17.29	0.0	17.5	18.27	18.16	18.52	18.54	18.41	0.0	19.0	25.27	25.14	25.00	25.33	25.33	0.5	25.5	
			50	0	17.35	17.32	17.41	17.20	17.43	0.0	17.5	18.48	18.29	18.69	18.72	18.59	0.0	19.0	25.45	25.16	24.84	24.87	25.14	0.5	25.5	
			1	1	17.26	17.16	17.38	17.38	17.35	0.0	17.5	18.41	18.24	18.63	18.64	18.50	0.0	19.0	25.04	25.77	25.59	25.63	25.19	0.0	26.0	
			1	25	17.35	17.37	17.35	17.47	17.33	0.0	17.5	18.44	18.12	18.71	18.68	18.64	0.0	19.0	25.57	25.66	25.70	25.40	25.45	0.0	26.0	
			1	49	17.13	17.24	17.25	17.31	17.23	0.0	17.5	18.40	18.12	18.69	18.49	18.49	0.0	19.0	25.18	25.78	25.67	25.43	25.90	0.0	26.0	
		25	0	17.07	17.13	17.27	17.27	17.23	0.0	17.5	18.36	18.14	18.60	18.53	18.38	0.0	19.0	24.74	24.54	24.93	24.47	24.78	1.0	25.0		
		25	13	17.22	17.16	17.34	17.43	17.35	0.0	17.5	18.45	18.08	18.53	18.62	18.52	0.0	19.0	25.46	25.76	25.81	25.55	25.32	0.0	26.0		
		25	26	17.18	17.27	17.22	17.28	17.25	0.0	17.5	18.37	18.07	18.56	18.50	18.51	0.0	19.0	24.79	24.70	24.12	24.40	24.73	1.0	25.0		
		50	0	17.16	17.13	17.37	17.37	17.29	0.0	17.5	18.46	18.12	18.68	18.62	18.40	0.0	19.0	24.87	24.63	24.78	24.36	24.84	1.0	25.0		
		1	1	17.06	17.10	17.36	17.25	17.43	0.0	17.5	18.38	18.09	18.60	18.66	18.39	0.0	19.0	24.43	24.72	24.82	24.53	24.80	1.0	25.0		
		1	25	17.23	17.22	17.34	17.44	17.31	0.0	17.5	18.41	18.10	18.62	18.66	18.57	0.0	19.0	24.93	24.43	24.72	24.47	24.69	1.0	25.0		
		1	49	17.22	17.22	17.27	17.42	17.31	0.0	17.5	18.35	18.01	18.63	18.62	18.49	0.0	19.0	24.64	24.65	24.39	24.51	24.77	1.0	25.0		
		64QAM	1	1	17.08	17.10	17.36	17.45	17.36	0.0	17.5	18.37	18.12	18.51	18.59	18.38	0.0	19.0	23.42	23.16	23.12	23.06	23.23	2.5	23.5	
		256QAM	1	1	17.07	17.06	17.24	17.26	17.28	0.0	17.5	18.41	18.16	18.62	18.56	18.41	0.0	19.0	21.44	21.08	21.06	21.18	21.05	4.5	21.5	
		CP-OFDM	QPSK	1	1	17.29	17.27	17.22	17.45	17.25	0.0	17.5	18.31	18.21	18.67	18.58	18.52	0.0	19.0	24.17	23.98	24.19	24.09	24.13	1.5	24.5

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n41 (PC2 SA-switching 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	Measured Pwr (dBm)					MPR	Tune-up Limit	
					500700	509652	518598	527550	536496			500700	509652	518598	527550	536496			500700	509652	518598	527550	536496			
					2503.50 MHz	2549.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz			2503.50 MHz	2549.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz			2503.50 MHz	2549.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz			
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.34	17.29	17.37	17.35	17.37	0.0	17.5	18.61	18.63	18.71	18.61	18.47	0.0	19.0	25.47	25.41	25.69	25.17	25.47	0.0	26.0	
			1	18	17.40	17.32	17.34	17.33	17.34	0.0	17.5	18.70	18.62	18.62	18.72	18.68	0.0	19.0	25.58	25.61	25.02	25.34	25.42	0.0	26.0	
			1	36	17.31	17.49	17.46	17.42	17.39	0.0	17.5	18.72	18.73	18.71	18.68	18.72	0.0	19.0	25.48	25.40	25.58	25.23	24.99	0.0	26.0	
			18	0	17.28	17.17	17.24	17.23	17.16	0.0	17.5	18.59	18.47	18.57	18.46	18.57	0.0	19.0	25.32	24.73	24.87	24.57	24.49	0.5	25.5	
			18	10	17.40	17.25	17.24	17.36	17.32	0.0	17.5	18.62	18.59	18.64	18.58	18.74	0.0	19.0	25.88	25.58	25.31	25.40	25.16	0.0	26.0	
			18	20	17.29	17.18	17.16	17.15	17.13	0.0	17.5	18.59	18.49	18.51	18.48	18.57	0.0	19.0	25.31	25.02	24.74	24.65	24.91	0.5	25.5	
			36	0	17.48	17.13	17.19	17.22	17.22	0.0	17.5	18.54	18.48	18.48	18.49	18.53	0.0	19.0	25.14	25.32	24.98	24.68	24.75	0.5	25.5	
		QPSK	1	1	17.36	17.42	17.35	17.41	17.32	0.0	17.5	18.63	18.68	18.63	18.71	18.59	0.0	19.0	25.29	24.57	25.45	25.22	25.48	0.0	26.0	
			1	18	17.34	17.46	17.39	17.42	17.35	0.0	17.5	18.75	18.70	18.65	18.70	18.68	0.0	19.0	25.71	25.11	25.53	25.49	25.36	0.0	26.0	
			1	36	17.25	17.38	17.36	17.37	17.31	0.0	17.5	18.74	18.62	18.70	18.73	18.72	0.0	19.0	25.54	24.83	25.61	25.65	25.04	0.0	26.0	
			18	0	17.22	17.34	17.29	17.21	17.30	0.0	17.5	18.62	18.57	18.56	18.55	18.51	0.0	19.0	24.87	24.25	24.19	24.80	24.22	1.0	25.0	
			18	10	17.35	17.36	17.41	17.44	17.39	0.0	17.5	18.72	18.67	18.62	18.76	18.63	0.0	19.0	25.65	25.39	25.56	25.66	25.29	0.0	26.0	
			18	20	17.27	17.33	17.22	17.27	17.24	0.0	17.5	18.63	18.56	18.52	18.54	18.49	0.0	19.0	24.94	24.49	24.41	23.68	24.36	1.0	25.0	
			36	0	17.28	17.36	17.37	17.32	17.30	0.0	17.5	18.55	18.60	18.57	18.52	18.53	0.0	19.0	24.94	24.62	24.18	24.67	24.19	1.0	25.0	
		16QAM	1	1	17.37	17.28	17.35	17.23	17.24	0.0	17.5	18.58	18.59	18.55	18.61	18.47	0.0	19.0	24.40	23.96	24.68	24.81	24.15	1.0	25.0	
			1	18	17.40	17.46	17.46	17.36	17.38	0.0	17.5	18.59	18.71	18.62	18.66	18.62	0.0	19.0	24.91	24.91	24.35	24.46	24.06	1.0	25.0	
			1	36	17.37	17.37	17.33	17.38	17.43	0.0	17.5	18.67	18.69	18.67	18.62	18.70	0.0	19.0	24.78	24.41	24.46	24.19	24.20	1.0	25.0	
		64QAM	1	1	17.28	17.41	17.45	17.42	17.35	0.0	17.5	18.68	18.69	18.64	18.56	18.58	0.0	19.0	23.45	23.08	23.05	22.69	22.65	2.5	23.5	
			1	1	17.30	17.34	17.39	17.29	17.37	0.0	17.5	18.59	18.62	18.58	18.58	18.53	0.0	19.0	21.11	21.36	20.88	20.99	20.78	4.5	21.5	
		256QAM	1	1	17.30	17.34	17.39	17.29	17.37	0.0	17.5	18.59	18.62	18.58	18.58	18.53	0.0	19.0	21.11	21.36	20.88	20.99	20.78	4.5	21.5	
		CP-OFDM	QPSK	1	1	17.26	17.35	17.43	17.38	17.36	0.0	17.5	18.75	18.68	18.78	18.63	18.71	0.0	19.0	24.33	24.06	23.79	23.79	23.61	1.5	24.5
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.27	17.09	17.18	17.08	17.16	0.0	17.5	18.76	18.71	18.77	18.71	18.67	0.0	19.0	25.56	25.85	25.72	25.77	25.54	0.0	26.0	
			1	12	17.30	17.10	17.10	17.18	17.14	0.0	17.5	18.72	18.79	18.74	18.78	18.65	0.0	19.0	25.80	25.79	25.74	25.85	25.61	0.0	26.0	
			1	22	17.34	17.10	17.11	17.05	17.12	0.0	17.5	18.87	18.81	18.79	18.95	18.81	0.0	19.0	25.89	25.83	25.84	25.78	24.81	0.0	26.0	
			12	0	17.08	17.02	17.06	17.13	17.13	0.0	17.5	18.72	18.56	18.56	18.72	18.69	0.0	19.0	25.40	25.15	25.39	25.45	24.86	0.5	25.5	
			12	6	17.18	17.09	17.07	17.14	17.18	0.0	17.5	18.86	18.83	18.71	18.85	18.77	0.0	19.0	25.88	25.75	25.88	25.96	24.70	0.0	26.0	
			12	12	17.14	17.13	17.02	17.13	17.04	0.0	17.5	18.79	18.71	18.68	18.77	18.82	0.0	19.0	25.35	25.20	25.44	25.47	24.13	0.5	25.5	
			24	0	17.10	17.13	17.14	17.13	17.08	0.0	17.5	18.76	18.67	18.66	18.67	18.71	0.0	19.0	25.49	25.16	25.45	25.42	24.36	0.5	25.5	
			QPSK	1	1	17.25	17.13	17.13	17.18	17.18	0.0	17.5	18.82	18.92	18.85	18.95	18.89	0.0	19.0	25.97	25.87	25.94	25.56	24.60	0.0	26.0
				1	12	17.23	17.14	17.09	17.21	17.13	0.0	17.5	18.97	18.81	18.80	18.91	18.95	0.0	19.0	25.92	25.97	25.98	25.72	24.10	0.0	26.0
				1	22	17.26	17.14	17.04	17.19	17.12	0.0	17.5	18.96	18.92	18.91	18.84	18.52	0.0	19.0	25.99	25.99	25.94	25.92	23.68	0.0	26.0
		12		0	17.16	17.11	17.10	17.24	17.02	0.0	17.5	18.87	18.78	18.71	18.80	18.79	0.0	19.0	24.98	24.83	24.64	24.94	23.94	1.0	25.0	
		12		6	17.21	17.08	17.08	17.12	17.09	0.0	17.5	18.96	18.87	18.81	18.89	18.91	0.0	19.0	25.97	25.87	25.97	25.80	24.23	0.0	26.0	
		12		12	17.15	17.07	17.08	17.10	17.10	0.0	17.5	18.93	18.85	18.72	18.81	18.89	0.0	19.0	24.91	24.81	24.65	24.97	23.51	1.0	25.0	
		24		0	17.13	17.12	17.07	17.12	17.12	0.0	17.5	18.90	18.84	18.78	18.80	18.76	0.0	19.0	24.97	24.80	24.98	24.94	23.76	1.0	25.0	
		16QAM		1	1	17.21	17.24	17.19	17.23	17.17	0.0	17.5	18.97	18.74	18.85	18.88	18.87	0.0	19.0	24.96	24.77	24.97	24.83	24.10	1.0	25.0
			1	12	17.13	17.17	17.18	17.21	17.10	0.0	17.5	18.91	18.67	18.74	18.82	18.45	0.0	19.0	24.99	24.79	24.98	24.95	23.60	1.0	25.0	
			1	22	17.21	17.15	17.18	17.17	17.06	0.0	17.5	18.97	18.77	18.88	18.93	18.63	0.0	19.0	24.89	24.79	24.93	24.97	23.18	1.0	25.0	
			64QAM	1	1	17.19	17.22	17.17	17.34	17.21	0.0	17.5	18.72	18.77	18.86	18.85	18.64	0.0	19.0	23.48	23.30	23.48	23.41	23.24	2.5	23.5
		256QAM	1	1	17.21	17.17	17.30	17.25	17.14	0.0	17.5	18.83	18.78	18.85	18.91	18.60	0.0	19.0	21.41	21.34	21.32	21.28	21.43	4.5	21.5	
		CP-OFDM	QPSK	1	1	17.37	17.27	17.36	17.42	17.39	0.0	17.5	18.64	18.76	18.87	18.77	18.73	0.0	19.0	24.48	24.39	24.48	24.42	24.12	1.5	24.5

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n41 (PC2 SA/NSA Ant B) (SRS1) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)					Maximum Allowed Average Power (dBm)					Maximum Allowed Average Power (dBm)					Maximum Allowed Average Power (dBm)						
		DSI = 1					DSI = 0					DSI = 2, 3 (SA)					DSI = 2, 3 (NSA)						
		Measured Pwr (dBm)					Measured Pwr (dBm)					Measured Pwr (dBm)					Measured Pwr (dBm)						
100 MHz	SRS CW	Tune-up Limit					Tune-up Limit					Tune-up Limit					Tune-up Limit						
		518598					518598					518598					518598						
		2592.99 MHz				2592.99 MHz					2592.99 MHz					2592.99 MHz							
18.52						17.03					25.46					24.80							
19.0											17.5					26.0							
90 MHz	SRS CW	Tune-up Limit					Tune-up Limit					Tune-up Limit					Tune-up Limit						
		508200			528996		508200			528996		508200			528996		508200			528996			
2541.00 MHz					2644.98 MHz	2541.00 MHz				2644.98 MHz	2541.00 MHz				2644.98 MHz	2541.00 MHz				2644.98 MHz			
18.73					18.55	17.02				17.07	17.5	25.81			25.63	26.0	24.82			24.66			
19.0											17.5					26.0				25.0			
80 MHz	SRS CW	Tune-up Limit					Tune-up Limit					Tune-up Limit					Tune-up Limit						
		507204			529998		507204			529998		507204			529998		507204			529998			
2536.02 MHz					2649.99 MHz	2536.02 MHz				2649.99 MHz	2536.02 MHz				2649.99 MHz	2536.02 MHz				2649.99 MHz			
18.57					18.46	16.98				17.06	17.5	25.74			25.64	26.0	24.85			24.66			
19.0											17.5					26.0				25.0			
70 MHz	SRS CW	Tune-up Limit					Tune-up Limit					Tune-up Limit					Tune-up Limit						
		506202			531000		506202			531000		506202			531000		506202			531000			
2531.01 MHz					2655.00 MHz	2531.01 MHz				2655.00 MHz	2531.01 MHz				2655.00 MHz	2531.01 MHz				2655.00 MHz			
18.64					18.45	16.85				16.97	17.5	25.59			25.52	26.0	24.76			24.64			
19.0											17.5					26.0				25.0			
60 MHz	SRS CW	Tune-up Limit					Tune-up Limit					Tune-up Limit					Tune-up Limit						
		505200		518598	531996		505200		518598	531996		505200		518598	531996		505200		518598	531996			
2526.00 MHz					2659.99 MHz	2526.00 MHz				2659.99 MHz	2526.00 MHz				2659.99 MHz	2526.00 MHz				2659.99 MHz			
18.69				18.48	18.55	16.89			16.98	17.03	17.5	25.47			25.64	26.0	24.63			24.54			
19.0											17.5					26.0				25.0			
50 MHz	SRS CW	Tune-up Limit					Tune-up Limit					Tune-up Limit					Tune-up Limit						
		504204		518598	532998		504204		518598	532998		504204		518598	532998		504204		518598	532998			
2521.02 MHz					2664.99 MHz	2521.02 MHz				2664.99 MHz	2521.02 MHz				2664.99 MHz	2521.02 MHz				2664.99 MHz			
18.84				18.82	18.61	17.27			17.23	17.29	17.5	25.81			25.89	26.0	24.92			24.86			
19.0											17.5					26.0				25.0			
40 MHz	SRS CW	Tune-up Limit					Tune-up Limit					Tune-up Limit					Tune-up Limit						
		503202	513488		523734	534000	503202	513488		523734	534000	503202	513488		523734	534000	503202	513488		523734	534000		
2516.01 MHz	2567.34 MHz			2618.67 MHz	2670.00 MHz	2516.01 MHz	2567.34 MHz			2618.67 MHz	2670.00 MHz	2516.01 MHz	2567.34 MHz			2618.67 MHz	2670.00 MHz	2516.01 MHz	2567.34 MHz			2618.67 MHz	2670.00 MHz
18.74	18.67			18.65	18.56	17.16	17.07			17.23	17.19	17.5	25.68	25.72		25.82	25.78	26.0	24.88	24.77		24.84	24.71
19.0											17.5					26.0				25.0			
30 MHz	SRS CW	Tune-up Limit					Tune-up Limit					Tune-up Limit					Tune-up Limit						
		502200	510402	518598	526800	534996	502200	510402	518598	526800	534996	502200	510402	518598	526800	534996	502200	510402	518598	526800	534996		
2511.00 MHz	2552.01 MHz	2592.99 MHz	2634.00 MHz	2674.98 MHz	2511.00 MHz	2552.01 MHz	2592.99 MHz	2634.00 MHz	2674.98 MHz	2511.00 MHz	2552.01 MHz	2592.99 MHz	2634.00 MHz	2674.98 MHz	2511.00 MHz	2552.01 MHz	2592.99 MHz	2634.00 MHz	2674.98 MHz				
18.80	18.76	18.69	18.66	18.56	17.18	17.05	17.16	17.26	17.21	17.5	25.84	25.82	25.74	25.81	25.93	26.0	24.81	24.79	24.75	24.81	24.64		
19.0											17.5					26.0					25.0		
25 MHz	SRS CW	Tune-up Limit					Tune-up Limit					Tune-up Limit					Tune-up Limit						
		501702	510150	518598	527052	535500	501702	510150	518598	527052	535500	501702	510150	518598	527052	535500	501702	510150	518598	527052	535500		
2508.51 MHz	2550.75 MHz	2592.99 MHz	2635.26 MHz	2677.50 MHz	2508.51 MHz	2550.75 MHz	2592.99 MHz	2635.26 MHz	2677.50 MHz	2508.51 MHz	2550.75 MHz	2592.99 MHz	2635.26 MHz	2677.50 MHz	2508.51 MHz	2550.75 MHz	2592.99 MHz	2635.26 MHz	2677.50 MHz				
18.61	18.61	18.68	18.45	18.66	17.06	17.02	17.26	17.24	17.27	17.5	25.82	25.71	25.64	25.58	25.57	26.0	24.81	24.72	24.73	24.75	24.69		
19.0											17.5					26.0					25.0		
20 MHz	SRS CW	Tune-up Limit					Tune-up Limit					Tune-up Limit					Tune-up Limit						
		501204	509904	518598	527298	535998	501204	509904	518598	527298	535998	501204	509904	518598	527298	535998	501204	509904	518598	527298	535998		
2506.02 MHz	2549.52 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz	2506.02 MHz	2549.52 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz	2506.02 MHz	2549.52 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz	2506.02 MHz	2549.52 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz				
18.72	18.56	18.72	18.46	18.78	17.15	16.89	17.08	17.13	17.18	17.5	25.73	25.64	25.54	25.59	25.61	26.0	24.64	24.63	24.66	24.67	24.72		
19.0											17.5					26.0					25.0		
15 MHz	SRS CW	Tune-up Limit					Tune-up Limit					Tune-up Limit					Tune-up Limit						
		500700	509652	518598	527550	536496	500700	509652	518598	527550	536496	500700	509652	518598	527550	536496	500700	509652	518598	527550	536496		
2503.50 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz	2503.50 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz	2503.50 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz	2503.50 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz				
18.71	18.75	18.54	18.65	18.52	17.07	16.98	17.03	17.14	17.22	17.5	25.79	25.68	25.73	25.67	25.52	26.0	24.67	24.66	24.61	24.64	24.54		
19.0											17.5					26.0					25.0		
10 MHz	SRS CW	Tune-up Limit					Tune-up Limit					Tune-up Limit					Tune-up Limit						
		500202	509400	518598	527802	537000	500202	509400	518598	527802	537000	500202	509400	518598	527802	537000	500202	509400	518598	527802	537000		
2501.01 MHz	2547.00 MHz	2592.99 MHz	2639.01 MHz	2685.00 MHz	2501.01 MHz	2547.00 MHz	2592.99 MHz	2639.01 MHz	2685.00 MHz	2501.01 MHz	2547.00 MHz	2592.99 MHz	2639.01 MHz	2685.00 MHz	2501.01 MHz	2547.00 MHz	2592.99 MHz	2639.01 MHz	2685.00 MHz				
18.76	18.79	18.64	18.64	18.47	17.13	16.97	17.06	17.14	17.22	17.5	25.81	25.51	25.75	25.59	25.45	26.0	24.73	24.77	24.72	24.79	24.63		
19.0											17.5					26.0					25.0		

Notes:
NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n41 (PC2 SA-switching Ant E) (SRS1) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)					Maximum Allowed Average Power (dBm)						
		DSI = 0,1					DSI = 2,3						
		Measured Pwr (dBm)					Measured Pwr (dBm)						
				518598					518598				
				2592.99 MHz					2592.99 MHz				
100 MHz	SRS CW			19.59					22.63				23.0
		508200				528996					528996		
		2541.00 MHz				2644.98 MHz					2644.98 MHz		
90 MHz	SRS CW	19.62				19.47			22.67				23.0
		507204				529998					529998		
		2536.02 MHz				2649.99 MHz					2649.99 MHz		
80 MHz	SRS CW	19.78				19.57			22.73				23.0
		506202				531000					531000		
		2531.01 MHz				2655.00 MHz					2655.00 MHz		
70 MHz	SRS CW	19.63				19.43			22.68				23.0
		505200		518598		531996					531996		
		2526.00 MHz		2592.99 MHz		2659.98 MHz					2659.98 MHz		
60 MHz	SRS CW	19.86		19.81		19.54			22.78		22.85		23.0
		504204		518598		532998					532998		
		2521.02 MHz		2592.99 MHz		2664.99 MHz					2664.99 MHz		
50 MHz	SRS CW	19.88		19.98		19.79			22.98		22.97		23.0
		503202	513468			523734	534000						
		2516.01 MHz	2567.34 MHz			2618.67 MHz	2670.00 MHz						
40 MHz	SRS CW	19.76	19.98			19.97	19.75		22.87	22.98		22.98	22.81
		502200	510402	518598	526800	534996							
		2511.00 MHz	2552.01 MHz	2592.99 MHz	2634.00 MHz	2674.98 MHz							
30 MHz	SRS CW	19.93	19.98	19.87	19.98	19.79			22.98	22.97	22.98	22.98	22.74
		501702	510150	518598	527052	535500							
		2508.51 MHz	2550.75 MHz	2592.99 MHz	2635.26 MHz	2677.50 MHz							
25 MHz	SRS CW	19.91	19.98	19.94	19.97	19.75			22.93	22.98	22.98	22.97	22.73
		501204	509904	518598	527298	535998							
		2506.02 MHz	2549.52 MHz	2592.99 MHz	2636.49 MHz	2679.99 MHz							
20 MHz	SRS CW	19.86	19.87	19.96	19.73	19.47			22.91	22.87	22.98	22.73	22.52
		500700	509652	518598	527550	536496							
		2503.50 MHz	2548.26 MHz	2592.99 MHz	2637.75 MHz	2682.48 MHz							
15 MHz	SRS CW	19.64	19.75	19.97	19.75	19.51			22.68	22.83	22.98	22.81	22.53
		500202	509400	518598	527802	537000							
		2501.01 MHz	2547.00 MHz	2592.99 MHz	2639.01 MHz	2685.00 MHz							
10 MHz	SRS CW	19.42	19.59	19.66	19.46	19.24			22.43	22.53	22.70	22.47	22.19

Notes:
 NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n41 (PC2 SA/NSA/SA-switching Ant G) (SRS2/SRS3) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)					Tune-up Limit
		DSI = 0,1,2,3					
		Measured Pwr (dBm)					
100 MHz	SRS CW	518598					13.0
		2592.99 MHz					
100 MHz	SRS CW			12.23			13.0
90 MHz	SRS CW	508200					13.0
		528996					
90 MHz	SRS CW	12.36				12.59	13.0
80 MHz	SRS CW	507204					13.0
		529998					
80 MHz	SRS CW	12.33				12.60	13.0
70 MHz	SRS CW	506202					13.0
		531000					
70 MHz	SRS CW	12.45				12.26	13.0
60 MHz	SRS CW	505200					13.0
		531996					
60 MHz	SRS CW	12.04		12.51		12.49	13.0
50 MHz	SRS CW	504204					13.0
		532998					
50 MHz	SRS CW	12.28		12.77		12.79	13.0
40 MHz	SRS CW	503202					13.0
		534000					
40 MHz	SRS CW	12.18	12.62		12.71	12.70	13.0
30 MHz	SRS CW	502200					13.0
		534996					
30 MHz	SRS CW	12.21	12.58	12.81	12.31	12.31	13.0
25 MHz	SRS CW	501702					13.0
		535500					
25 MHz	SRS CW	12.16	12.60	12.86	12.72	12.80	13.0
20 MHz	SRS CW	501204					13.0
		535998					
20 MHz	SRS CW	12.06	12.54	12.84	12.63	12.68	13.0
15 MHz	SRS CW	500700					13.0
		536496					
15 MHz	SRS CW	11.88	12.37	12.76	12.61	12.61	13.0
10 MHz	SRS CW	500202					13.0
		537000					
10 MHz	SRS CW	11.12	12.35	12.48	12.33	12.42	13.0
5 MHz	SRS CW	499704					13.0
		537498					
5 MHz	SRS CW						13.0

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n41 (PC2 SA/NSA/SA-switching Ant C) (SRS3/SRS2) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)					Tune-up Limit
		DSI = 0, 1, 2, 3					
		Measured Pw r (dBm)					
100 MHz	SRS CW	518598					13.0
		2592.99 MHz					
90 MHz	SRS CW	508200					13.0
		2541.00 MHz					
80 MHz	SRS CW	507204					13.0
		2536.02 MHz					
70 MHz	SRS CW	506202					13.0
		2531.01 MHz					
60 MHz	SRS CW	505200					13.0
		2526.00 MHz					
50 MHz	SRS CW	504204					13.0
		2521.02 MHz					
40 MHz	SRS CW	503202					13.0
		2516.01 MHz					
30 MHz	SRS CW	502200					13.0
		2511.00 MHz					
25 MHz	SRS CW	501702					13.0
		2508.51 MHz					
20 MHz	SRS CW	501204					13.0
		2506.02 MHz					
15 MHz	SRS CW	500700					13.0
		2503.50 MHz					
10 MHz	SRS CW	500202					13.0
		2501.01 MHz					

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n48 (Ant E) (Voice/data/SRS0) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)						Maximum Allowed Average Power (dBm)						Maximum Allowed Average Power (dBm)							
					DSI = 1						DSI = 0						DSI = 2,3							
					Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit					
					638000	641666	645332			638000	641666	645332			638000	641666	645332							
3570.00 MHz	3624.99 MHz	3679.98 MHz	3570.00 MHz	3624.99 MHz	3679.98 MHz	3570.00 MHz	3624.99 MHz	3679.98 MHz																
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.68		17.92	17.76	0.0	19.0	16.73		16.70	16.37	0.0	17.0	19.73		19.67	19.67	0.0	20.0		
			1	52	17.55		17.66	17.52	0.0	19.0	16.51		16.48	16.21	0.0	17.0	19.56		19.57	19.57	0.0	20.0		
			1	104	17.75		17.58	17.63	0.0	19.0	16.52		16.50	16.16	0.0	17.0	19.58		19.67	19.55	0.0	20.0		
			50	0	17.68		17.60	17.66	0.0	19.0	16.59		16.57	16.23	0.0	17.0	19.57		19.64	19.64	0.0	20.0		
			50	28	17.66		17.68	17.58	0.0	19.0	16.70		16.66	16.22	0.0	17.0	19.75		19.75	19.67	0.0	20.0		
			50	56	17.62		17.60	17.49	0.0	19.0	16.58		16.47	16.13	0.0	17.0	19.60		19.74	19.51	0.0	20.0		
			100	0	17.58		17.69	17.64	0.0	19.0	16.61		16.57	16.14	0.0	17.0	19.70		19.72	19.65	0.0	20.0		
		QPSK	1	1	17.74		17.63	17.64	0.0	19.0	16.74		16.68	16.44	0.0	17.0	19.91		19.57	19.88	0.0	20.0		
			1	52	17.54		17.56	17.57	0.0	19.0	16.57		16.48	16.12	0.0	17.0	19.54		19.58	19.59	0.0	20.0		
			1	104	17.61		17.55	17.43	0.0	19.0	16.42		16.36	16.18	0.0	17.0	19.60		19.68	19.56	0.0	20.0		
			50	0	17.65		17.57	17.64	0.0	19.0	16.56		16.44	16.08	0.0	17.0	19.89		19.63	19.86	0.0	20.0		
			50	28	17.64		17.72	17.66	0.0	19.0	16.63		16.55	16.17	0.0	17.0	19.64		19.64	19.61	0.0	20.0		
			50	56	17.65		17.59	17.55	0.0	19.0	16.49		16.42	16.14	0.0	17.0	19.58		19.63	19.54	0.0	20.0		
			100	0	17.68		17.75	17.69	0.0	19.0	16.66		16.49	16.28	0.0	17.0	19.68		19.74	19.57	0.0	20.0		
		16QAM	1	1	17.70		17.66	17.69	0.0	19.0	16.71		16.61	16.23	0.0	17.0	19.70		19.71	19.61	0.0	20.0		
			1	52	17.57		17.59	17.53	0.0	19.0	16.47		16.43	16.13	0.0	17.0	19.48		19.57	19.43	0.0	20.0		
			1	104	17.60		17.58	17.49	0.0	19.0	16.50		16.39	16.08	0.0	17.0	19.60		19.60	19.55	0.0	20.0		
		64QAM	1	1	17.71		17.56	17.62	0.0	19.0	16.65		16.59	16.13	0.0	17.0	19.24		19.17	19.17	0.5	19.5		
			1	1	17.50		17.49	17.36	1.5	17.5	16.65		16.61	16.26	0.0	17.0	17.10		17.18	17.40	2.5	17.5		
		256QAM	1	1	17.50		17.49	17.36	1.5	17.5	16.65		16.61	16.26	0.0	17.0	17.10		17.18	17.40	2.5	17.5		
			1	1	17.68		17.81	17.64	0.0	19.0	16.69		16.55	16.39	0.0	17.0	19.64		19.72	19.73	0.0	20.0		
		CP-OFDM	QPSK	1	1	17.68		17.81	17.64	0.0	19.0	16.69		16.55	16.39	0.0	17.0	19.64		19.72	19.73	0.0	20.0	
		30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.72	17.67	17.49	17.19	0.0	19.0	16.93	16.77	16.63	16.63	0.0	17.0	19.79	19.72	19.62	19.54	0.0	20.0
					1	39	17.64	17.61	17.42	17.21	0.0	19.0	16.77	16.64	16.56	16.42	0.0	17.0	19.68	19.56	19.54	19.42	0.0	20.0
1	76				17.70	17.70	17.50	17.16	0.0	19.0	16.79	16.73	16.65	16.49	0.0	17.0	19.67	19.64	17.50	19.43	0.0	20.0		
36	0				17.62	17.56	17.41	17.14	0.0	19.0	16.75	16.61	16.47	16.43	0.0	17.0	19.69	19.50	19.36	19.38	0.0	20.0		
36	21				17.65	17.61	17.43	17.12	0.0	19.0	16.74	16.57	16.58	16.41	0.0	17.0	19.66	19.61	19.38	19.40	0.0	20.0		
36	42				17.58	17.55	17.29	17.10	0.0	19.0	16.72	16.58	16.41	16.38	0.0	17.0	19.65	19.50	19.27	19.35	0.0	20.0		
75	0				17.61	17.51	17.42	17.06	0.0	19.0	16.75	16.62	16.46	16.38	0.0	17.0	19.67	19.49	19.33	19.42	0.0	20.0		
QPSK	1			1	17.74	17.69	17.52	17.23	0.0	19.0	16.91	16.81	16.73	16.62	0.0	17.0	19.81	19.72	19.42	19.48	0.0	20.0		
	1			39	17.66	17.61	17.45	17.11	0.0	19.0	16.77	16.67	16.52	16.41	0.0	17.0	19.67	19.51	19.41	19.45	0.0	20.0		
	1			76	17.66	17.62	17.43	17.10	0.0	19.0	16.82	16.71	16.61	16.51	0.0	17.0	19.70	19.57	19.50	19.46	0.0	20.0		
	36			0	17.65	17.60	17.40	17.09	0.0	19.0	16.79	16.62	16.48	16.42	0.0	17.0	19.67	19.52	19.39	19.35	0.0	20.0		
	36			21	17.63	17.58	17.42	17.10	0.0	19.0	16.64	16.66	16.48	16.41	0.0	17.0	19.68	19.57	19.40	19.37	0.0	20.0		
	36			42	17.53	17.52	17.37	17.03	0.0	19.0	16.71	16.61	16.41	16.37	0.0	17.0	19.62	19.41	19.37	19.32	0.0	20.0		
	75			0	17.57	17.55	17.38	17.02	0.0	19.0	16.67	16.51	16.44	16.36	0.0	17.0	19.63	19.51	19.40	19.31	0.0	20.0		
16QAM	1			1	17.67	17.62	17.42	17.12	0.0	19.0	16.72	16.75	16.58	16.58	0.0	17.0	19.73	19.57	19.50	19.38	0.0	20.0		
	1			39	17.62	17.57	17.38	17.08	0.0	19.0	16.67	16.56	16.44	16.38	0.0	17.0	19.62	19.49	19.37	19.31	0.0	20.0		
	1			76	17.59	17.55	17.34	17.60	0.0	19.0	16.64	16.58	16.53	16.41	0.0	17.0	19.62	19.56	19.43	19.39	0.0	20.0		
64QAM	1			1	17.69	17.63	17.43	17.68	0.0	19.0	16.76	16.71	16.61	16.44	0.0	17.0	19.50	19.41	19.28	19.19	0.5	19.5		
	1			1	17.48	17.50	17.26	17.48	1.5	17.5	16.71	16.65	16.61	16.48	0.0	17.0	17.23	17.41	17.28	17.13	2.5	17.5		
256QAM	1			1	17.48	17.50	17.26	17.48	1.5	17.5	16.71	16.65	16.61	16.48	0.0	17.0	17.23	17.41	17.28	17.13	2.5	17.5		
	1			1	17.79	17.72	17.53	17.30	0.0	19.0	16.81	16.74	16.65	16.50	0.0	17.0	19.81	19.79	19.68	19.58	0.0	20.0		
CP-OFDM	QPSK			1	1	17.79	17.72	17.53	17.30	0.0	19.0	16.81	16.74	16.65	16.50	0.0	17.0	19.81	19.79	19.68	19.58	0.0	20.0	

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n48 (Ant E) (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
					637334	640222	643112	646000			637334	640222	643112	646000			637334	640222	643112	646000		
					3660.01 MHz	3603.33 MHz	3646.68 MHz	3690.00 MHz			3560.01 MHz	3603.33 MHz	3646.68 MHz	3690.00 MHz			3560.01 MHz	3603.33 MHz	3646.68 MHz	3690.00 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.57	17.43	17.13	17.14	0.0	19.0	16.77	16.69	16.56	16.48	0.0	17.0	19.71	19.62	19.42	19.37	0.0	20.0
			1	25	17.46	17.40	17.23	17.08	0.0	19.0	16.76	16.65	16.54	16.47	0.0	17.0	19.69	19.58	19.44	19.38	0.0	20.0
			1	49	17.41	17.22	17.23	17.08	0.0	19.0	16.72	16.60	16.53	16.44	0.0	17.0	19.64	19.31	19.44	19.32	0.0	20.0
			25	0	17.39	17.19	17.18	16.99	0.0	19.0	16.67	16.58	16.47	16.41	0.0	17.0	19.67	19.40	19.36	19.36	0.0	20.0
			25	13	17.51	17.33	17.24	17.12	0.0	19.0	16.65	16.61	16.56	16.48	0.0	17.0	19.67	19.46	19.38	19.35	0.0	20.0
			25	26	17.43	17.21	17.14	17.01	0.0	19.0	16.70	16.61	16.48	16.38	0.0	17.0	19.64	19.43	19.36	19.32	0.0	20.0
			50	0	17.54	17.42	17.28	17.10	0.0	19.0	16.77	16.72	16.50	16.54	0.0	17.0	19.76	19.46	19.46	19.39	0.0	20.0
		QPSK	1	1	17.51	17.45	17.12	17.03	0.0	19.0	16.80	16.70	16.57	16.47	0.0	17.0	19.78	19.57	19.45	19.40	0.0	20.0
			1	25	17.49	17.33	17.09	17.13	0.0	19.0	16.67	16.67	16.54	16.46	0.0	17.0	19.74	19.49	19.42	19.35	0.0	20.0
			1	49	17.41	17.28	17.03	17.06	0.0	19.0	16.65	16.65	16.51	16.37	0.0	17.0	19.63	19.36	19.38	19.35	0.0	20.0
			25	0	17.51	17.30	17.11	17.05	0.0	19.0	16.65	16.51	16.47	16.43	0.0	17.0	19.67	19.52	19.34	19.31	0.0	20.0
			25	13	17.54	17.33	17.14	17.10	0.0	19.0	16.62	16.68	16.58	16.52	0.0	17.0	19.63	19.50	19.33	19.28	0.0	20.0
			25	26	17.49	17.29	17.12	17.03	0.0	19.0	16.69	16.60	16.44	16.32	0.0	17.0	19.63	19.51	19.34	19.30	0.0	20.0
			50	0	17.61	17.41	17.28	17.16	0.0	19.0	16.58	16.66	16.57	16.51	0.0	17.0	19.73	19.54	19.44	19.36	0.0	20.0
		16QAM	1	1	17.48	17.40	17.02	17.04	0.0	19.0	16.61	16.44	16.39	16.42	0.0	17.0	19.70	19.54	19.41	19.32	0.0	20.0
			1	25	17.41	17.36	16.98	17.02	0.0	19.0	16.58	16.47	16.43	16.36	0.0	17.0	19.65	19.56	19.38	19.31	0.0	20.0
			1	49	17.38	17.32	16.95	16.93	0.0	19.0	16.48	16.43	16.41	16.26	0.0	17.0	19.57	19.36	19.32	19.28	0.0	20.0
1	1		17.38	17.31	17.01	17.07	0.0	19.0	16.55	16.58	16.42	16.33	0.0	17.0	19.01	19.05	18.97	18.99	0.5	19.5		
256QAM	1	1	17.22	17.28	17.00	17.06	1.5	17.5	16.60	16.58	16.44	16.38	0.0	17.0	17.17	16.98	16.88	16.90	2.5	17.5		
CP-OFDM	QPSK	1	1	17.51	17.41	17.13	17.22	0.0	19.0	16.81	16.74	16.63	16.54	0.0	17.0	19.83	19.65	19.45	19.40	0.0	20.0	
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.76	17.72	17.59	17.46	0.0	19.0	16.87	16.76	16.64	16.59	0.0	17.0	19.81	19.67	19.56	19.41	0.0	20.0
			1	18	17.54	17.49	17.23	17.39	0.0	19.0	16.72	16.67	16.55	16.43	0.0	17.0	19.69	19.58	19.51	19.32	0.0	20.0
			1	36	17.50	17.41	17.30	17.52	0.0	19.0	16.86	16.73	16.67	16.48	0.0	17.0	19.76	19.64	19.54	19.43	0.0	20.0
			18	0	17.40	17.37	17.06	17.53	0.0	19.0	16.66	16.59	16.56	16.37	0.0	17.0	19.69	19.51	19.45	19.28	0.0	20.0
			18	10	17.60	17.58	17.33	17.44	0.0	19.0	16.70	16.73	16.69	16.49	0.0	17.0	19.71	19.64	19.46	19.46	0.0	20.0
			18	20	17.44	17.36	17.17	17.59	0.0	19.0	16.75	16.63	16.54	16.34	0.0	17.0	19.67	19.56	19.43	19.26	0.0	20.0
			36	0	17.61	17.60	17.40	17.38	0.0	19.0	16.57	16.60	16.51	16.37	0.0	17.0	19.64	19.54	19.49	19.25	0.0	20.0
		QPSK	1	1	17.65	17.63	17.56	17.49	0.0	19.0	16.83	16.79	16.69	16.48	0.0	17.0	19.83	19.71	19.55	19.45	0.0	20.0
			1	18	17.59	17.51	17.49	17.50	0.0	19.0	16.62	16.61	16.47	16.38	0.0	17.0	19.71	19.61	19.43	19.36	0.0	20.0
			1	36	17.61	17.52	17.30	17.55	0.0	19.0	16.64	16.74	16.55	16.47	0.0	17.0	19.79	19.63	19.50	19.41	0.0	20.0
			18	0	17.56	17.46	17.45	17.55	0.0	19.0	16.61	16.51	16.41	16.37	0.0	17.0	19.69	19.52	19.43	19.31	0.0	20.0
			18	10	17.56	17.53	17.42	17.39	0.0	19.0	16.69	16.72	16.62	16.51	0.0	17.0	19.81	19.61	19.54	19.39	0.0	20.0
			18	20	17.68	17.59	17.40	17.42	0.0	19.0	16.65	16.64	16.42	16.33	0.0	17.0	19.63	19.56	19.51	19.29	0.0	20.0
			36	0	17.81	17.80	17.49	17.48	0.0	19.0	16.61	16.67	16.41	16.36	0.0	17.0	19.67	19.57	19.52	19.31	0.0	20.0
		16QAM	1	1	17.51	17.43	17.22	17.43	0.0	19.0	16.70	16.59	16.47	16.38	0.0	17.0	19.73	19.58	19.53	19.31	0.0	20.0
			1	18	17.47	17.42	17.28	17.59	0.0	19.0	16.59	16.48	16.36	16.27	0.0	17.0	19.65	19.47	19.48	19.21	0.0	20.0
			1	36	17.48	17.46	17.25	17.57	0.0	19.0	16.67	16.55	16.51	16.34	0.0	17.0	19.69	19.60	19.51	19.32	0.0	20.0
1	1		17.41	17.32	17.16	17.49	0.0	19.0	16.75	16.63	16.48	16.37	0.0	17.0	19.21	18.98	18.97	18.86	0.5	19.5		
256QAM	1	1	17.29	17.25	17.00	17.50	1.5	17.5	16.73	16.64	16.57	16.41	0.0	17.0	17.23	17.02	16.99	16.81	2.5	17.5		
CP-OFDM	QPSK	1	1	17.62	17.53	17.43	17.44	0.0	19.0	16.73	16.69	16.59	16.56	0.0	17.0	19.72	19.32	19.61	19.42	0.0	20.0	

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n48 (Ant E) (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	
					637000	640110	643222	646332			637000	640110	643222	646332			637000	640110	643222	646332			
					3555.00 MHz	3601.65 MHz	3648.33 MHz	3694.98 MHz			3555.00 MHz	3601.65 MHz	3648.33 MHz	3694.98 MHz			3555.00 MHz	3601.65 MHz	3648.33 MHz	3694.98 MHz			
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.76	17.72	17.81	17.74	0.0	19.0	16.76	16.57	16.22	16.15	0.0	17.0	19.77	19.79	19.76	19.71	0.0	20.0	
			1	12	17.60	17.60	17.69	17.65	0.0	19.0	16.72	16.51	16.16	15.98	0.0	17.0	19.73	19.65	19.68	19.58	0.0	20.0	
			1	22	17.63	17.78	17.64	17.71	0.0	19.0	16.69	16.50	16.26	16.13	0.0	17.0	19.74	19.75	19.72	19.67	0.0	20.0	
			12	0	17.66	17.58	17.66	17.62	0.0	19.0	16.60	16.45	16.24	16.01	0.0	17.0	19.60	19.68	19.61	19.57	0.0	20.0	
			12	6	17.58	17.68	17.71	17.56	0.0	19.0	16.70	16.47	16.28	16.03	0.0	17.0	19.69	19.59	19.58	19.54	0.0	20.0	
			12	12	17.67	17.64	17.68	17.59	0.0	19.0	16.58	16.40	16.19	15.93	0.0	17.0	19.64	19.54	19.49	19.47	0.0	20.0	
			24	0	17.61	17.56	17.58	17.59	0.0	19.0	16.55	16.34	16.08	15.94	0.0	17.0	19.55	19.60	19.57	19.52	0.0	20.0	
		QPSK	1	1	17.72	17.82	17.78	17.70	0.0	19.0	16.78	16.46	16.22	16.07	0.0	17.0	19.61	19.77	19.65	19.58	0.0	20.0	
			1	12	17.63	17.73	17.67	17.67	0.0	19.0	16.66	16.34	16.13	15.97	0.0	17.0	19.71	19.74	19.58	19.56	0.0	20.0	
			1	22	17.69	17.78	17.62	17.75	0.0	19.0	16.72	16.47	16.29	16.13	0.0	17.0	19.75	19.81	19.57	19.63	0.0	20.0	
			12	0	17.56	17.61	17.55	17.58	0.0	19.0	16.57	16.34	16.14	15.99	0.0	17.0	19.60	19.67	19.59	19.55	0.0	20.0	
			12	6	17.62	17.76	17.62	17.70	0.0	19.0	16.67	16.44	16.15	15.97	0.0	17.0	19.64	19.71	19.58	19.53	0.0	20.0	
			12	12	17.53	17.70	17.65	17.54	0.0	19.0	16.57	16.35	16.16	15.95	0.0	17.0	19.63	19.68	19.62	19.64	0.0	20.0	
			24	0	17.56	17.68	17.59	17.56	0.0	19.0	16.55	16.35	16.15	16.00	0.0	17.0	19.51	19.58	19.57	19.54	0.0	20.0	
		16QAM	1	1	17.58	17.78	17.73	17.63	0.0	19.0	16.65	16.44	16.22	16.11	0.0	17.0	19.57	19.64	19.58	19.52	0.0	20.0	
			1	12	17.59	17.69	17.52	17.57	0.0	19.0	16.62	16.39	16.21	16.04	0.0	17.0	19.55	19.60	19.62	19.51	0.0	20.0	
			1	22	17.59	17.77	17.58	17.57	0.0	19.0	16.63	16.41	16.22	16.01	0.0	17.0	19.54	19.64	19.64	19.64	0.0	20.0	
		64QAM	1	1	17.64	17.68	17.75	17.61	0.0	19.0	16.69	16.42	16.19	16.06	0.0	17.0	19.17	19.20	19.16	19.12	0.5	19.5	
		256QAM	1	1	17.44	17.37	17.36	17.47	1.5	17.5	16.67	16.37	16.22	16.04	0.0	17.0	17.22	17.17	17.19	17.15	2.5	17.5	
		CP-OFDM	QPSK	1	1	17.67	17.68	17.78	17.69	0.0	19.0	16.63	16.51	16.31	16.11	0.0	17.0	19.70	19.65	19.76	19.67	0.0	20.0

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n48 (Ant C) (SRS1) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)				Tune-up Limit
		DSI = 0,1,2,3				
		Measured Pwr (dBm)				
		638000 3570.00 MHz		641666 3624.99 MHz	645332 3679.98 MHz	
40 MHz	SRS CW	14.75		14.13	12.78	15.0
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		DSI = 0,1,2,3				
		Measured Pwr (dBm)				
		637668 3565.02 MHz	640334 3605.01 MHz	643000 3645.00 MHz	645666 3684.99 MHz	
30 MHz	SRS CW	14.63	14.54	14.23	12.98	15.0
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		DSI = 0,1,2,3				
		Measured Pwr (dBm)				
		637334 3560.01 MHz	640222 3603.33 MHz	643112 3646.68 MHz	646000 3690.00 MHz	
20 MHz	SRS CW	14.58	14.51	14.12	13.08	15.0
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		DSI = 0,1,2,3				
		Measured Pwr (dBm)				
		637168 3557.52 MHz	640168 3602.52 MHz	643166 3647.49 MHz	646166 3692.49 MHz	
15 MHz	SRS CW	14.89	14.23	13.67	12.89	15.0
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		DSI = 0,1,2,3				
		Measured Pwr (dBm)				
		637000 3555.00 MHz	640110 3601.65 MHz	643222 3648.33 MHz	646332 3694.98 MHz	
10 MHz	SRS CW	14.72	14.44	13.44	12.55	15.0

NR Band n48 (Ant F) (SRS2) Measured Results

BW (MHz)	Mode	Maximum Average Power (dBm)				Tune-up Limit
		DSI = 0,1,2,3				
		Measured Pwr (dBm)				
		638000 3570.00 MHz		641666 3624.99 MHz	645332 3679.98 MHz	
40 MHz	SRS CW	14.24		14.41	14.32	15.0
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		DSI = 0,1,2,3				
		Measured Pwr (dBm)				
		637668 3565.02 MHz	640334 3605.01 MHz	643000 3645.00 MHz	645666 3684.99 MHz	
30 MHz	SRS CW	14.24	14.37	14.46	14.49	15.0
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		DSI = 0,1,2,3				
		Measured Pwr (dBm)				
		637334 3560.01 MHz	640222 3603.33 MHz	643112 3646.68 MHz	646000 3690.00 MHz	
20 MHz	SRS CW	14.23	14.39	14.48	14.49	15.0
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		DSI = 0,1,2,3				
		Measured Pwr (dBm)				
		637168 3557.52 MHz	640168 3602.52 MHz	643166 3647.49 MHz	646166 3692.49 MHz	
15 MHz	SRS CW	14.29	14.42	14.51	14.51	15.0
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		DSI = 0,1,2,3				
		Measured Pwr (dBm)				
		637000 3555.00 MHz	640110 3601.65 MHz	643222 3648.33 MHz	646332 3694.98 MHz	
10 MHz	SRS CW	14.24	14.41	14.42	14.32	15.0

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

BW (MHz)	Mode	Maximum Average Power (dBm)				Tune-up Limit
		DSI = 0,1,2,3				
		Measured Pwr (dBm)				
		638000 3570.00 MHz		641666 3624.99 MHz	645332 3679.98 MHz	
40 MHz	SRS CW	14.22		14.19	13.85	15.0
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		DSI = 0,1,2,3				
		Measured Pwr (dBm)				
		637668 3565.02 MHz	640334 3605.01 MHz	643000 3645.00 MHz	645666 3684.99 MHz	
30 MHz	SRS CW	14.26	14.16	13.82	13.62	15.0
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		DSI = 0,1,2,3				
		Measured Pwr (dBm)				
		637334 3560.01 MHz	640222 3603.33 MHz	643112 3646.68 MHz	646000 3690.00 MHz	
20 MHz	SRS CW	14.23	14.21	13.83	13.53	15.0
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		DSI = 0,1,2,3				
		Measured Pwr (dBm)				
		637168 3557.52 MHz	640168 3602.52 MHz	643166 3647.49 MHz	646166 3692.49 MHz	
15 MHz	SRS CW	14.28	14.19	13.83	13.42	15.0
BW (MHz)	Mode	Measured Pwr (dBm)				Tune-up Limit
		DSI = 0,1,2,3				
		Measured Pwr (dBm)				
		637000 3555.00 MHz	640110 3601.65 MHz	643222 3648.33 MHz	646332 3694.98 MHz	
10 MHz	SRS CW	14.45	14.18	14.02	13.72	15.0

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n77 (Ant E) (Voice/data/SRS0) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)						Tune-up Limit
					DSI = 0, 1, 2, 3						
					Measured Pwr (dBm)			Measured Pwr (dBm)			
					633334	650000			662000		
					3500.01 MHz	3750.00 MHz			3930.00 MHz		
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.71	17.30			17.17	18.0	
			1	136	17.30	17.08			17.03	18.0	
			1	271	17.21	17.20			17.27	18.0	
			135	0	17.45	17.15			17.00	18.0	
			135	69	17.24	17.07			17.05	18.0	
			135	138	17.18	17.06			17.18	18.0	
		270	0	17.32	17.13			17.19	18.0		
		1	1	17.67	17.39			17.41	18.0		
		1	136	17.24	17.11			17.06	18.0		
		1	271	17.20	17.18			17.39	18.0		
		135	0	17.55	17.14			17.19	18.0		
		135	69	17.32	17.08			17.10	18.0		
		135	138	17.24	17.12			17.18	18.0		
		270	0	17.35	17.11			17.19	18.0		
		16QAM	1	1	17.70	17.35			17.29	18.0	
		1	136	17.27	17.08			17.13	18.0		
		1	271	17.24	17.25			17.37	18.0		
		64QAM	1	1	17.75	17.32			17.60	18.0	
256QAM	1	1	17.77	17.35			17.44	18.0			
CP-OFDM	QPSK	1	1	17.81	17.39			17.96	18.0		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			Measured Pwr (dBm)			Tune-up Limit
					DSI = 0, 1, 2, 3						
					Measured Pwr (dBm)			Measured Pwr (dBm)			
					633334	649668			662332		
					3500.01 MHz	3745.02 MHz			3840.00 MHz	3934.98 MHz	
90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.88	17.21			17.14	18.0	
			1	122	17.48	17.12			17.10	18.0	
			1	243	17.38	17.21			17.22	18.0	
			120	0	17.66	17.24			17.29	18.0	
			120	62	17.51	17.22			17.12	18.0	
			120	125	17.28	17.07			17.08	18.0	
		243	0	17.41	17.16			17.18	18.0		
		1	1	17.89	17.46			17.44	18.0		
		1	122	17.48	17.16			17.14	18.0		
		1	243	17.36	17.30			17.33	18.0		
		120	0	17.53	17.24			17.16	18.0		
		120	62	17.49	17.23			17.21	18.0		
		120	125	17.32	17.14			17.24	18.0		
		243	0	17.52	17.22			17.24	18.0		
		16QAM	1	1	17.87	17.45			17.36	18.0	
		1	122	17.42	17.14			17.15	18.0		
		1	243	17.32	17.26			17.34	18.0		
		64QAM	1	1	17.83	17.34			17.34	18.0	
256QAM	1	1	17.80	17.47			17.36	18.0			
CP-OFDM	QPSK	1	1	17.91	17.54			17.52	18.0		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			Measured Pwr (dBm)			Tune-up Limit
					DSI = 0, 1, 2, 3						
					Measured Pwr (dBm)			Measured Pwr (dBm)			
					633334	649334			662666		
					3500.01 MHz	3740.01 MHz			3840.00 MHz	3939.99 MHz	
80 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.92	17.36			17.28	18.0	
			1	108	17.41	17.21			17.12	18.0	
			1	215	17.43	17.20			17.25	18.0	
			108	0	17.58	17.19			17.22	18.0	
			108	54	17.53	17.21			17.16	18.0	
			108	109	17.26	17.10			17.09	18.0	
		216	0	17.37	17.22			17.19	18.0		
		1	1	17.91	17.50			17.47	18.0		
		1	108	17.41	17.17			17.13	18.0		
		1	215	17.35	17.33			17.24	18.0		
		108	0	17.55	17.21			17.15	18.0		
		108	54	17.52	17.10			17.12	18.0		
		108	109	17.29	17.15			17.15	18.0		
		216	0	17.56	17.12			17.19	18.0		
		16QAM	1	1	17.78	17.46			17.44	18.0	
		1	108	17.42	17.22			17.09	18.0		
		1	215	17.27	17.29			17.25	18.0		
		64QAM	1	1	17.73	17.37			17.35	18.0	
256QAM	1	1	17.77	17.49			17.37	18.0			
CP-OFDM	QPSK	1	1	17.87	17.73			17.41	18.0		

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n77 (Ant E) (Voice/data/SRS0) Measured Results (Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				Measured Pwr (dBm)				Tune-up Limit
					633334	649000	653666		658334	663000			
					3500.01 MHz	3735.00 MHz	3804.99 MHz		3875.01 MHz	3945.00 MHz			
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.62	17.23	17.31		17.24	17.28	18.0		
			1	94	17.37	17.21	17.16		17.14	17.17	18.0		
			1	187	17.32	17.25	17.34		17.34	17.27	18.0		
			90	0	17.56	17.22	17.19		17.29	17.20	18.0		
			90	49	17.52	17.19	17.13		17.18	17.11	18.0		
			90	99	17.25	17.19	17.16		17.18	17.12	18.0		
			180	0	17.41	17.23	17.20		17.14	17.20	18.0		
		QPSK	1	1	17.72	17.49	17.49		17.39	17.43	18.0		
			1	94	17.44	17.12	17.16		17.17	17.20	18.0		
			1	187	17.21	17.23	17.24		17.19	17.20	18.0		
			90	0	17.55	17.28	17.18		17.26	17.15	18.0		
			90	49	17.44	17.09	17.21		17.18	17.10	18.0		
			90	99	17.32	17.14	17.23		17.25	17.20	18.0		
			180	0	17.38	17.26	17.18		17.24	17.18	18.0		
16QAM	1	1	17.66	17.47	17.41		17.50	17.38	18.0				
1	94	17.34	17.13	17.19		17.20	17.15	18.0					
1	187	17.26	17.37	17.34		17.28	17.29	18.0					
64QAM	1	1	17.57	17.41	17.46		17.35	17.33	18.0				
256QAM	1	1	17.64	17.36	17.42		17.50	17.39	18.0				
CP-OFDM	QPSK	1	1	17.67	17.46	17.67		17.74	17.73	18.0			
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.65	17.23	17.31		17.21	17.12	18.0		
			1	80	17.36	17.14	17.16		17.11	17.12	18.0		
			1	160	17.27	17.25	17.33		17.24	17.21	18.0		
			81	0	17.42	17.16	17.27		17.19	17.20	18.0		
			81	40	17.37	17.15	17.07		17.16	17.08	18.0		
			81	81	17.21	17.13	17.12		17.13	17.15	18.0		
			162	0	17.29	17.22	17.15		17.18	17.22	18.0		
		QPSK	1	1	17.52	17.51	17.48		17.50	17.47	18.0		
			1	80	17.31	17.12	17.14		17.18	17.12	18.0		
			1	160	17.23	17.31	17.23		17.28	17.28	18.0		
			81	0	17.37	17.26	17.18		17.17	17.17	18.0		
			81	40	17.42	17.22	17.21		17.23	17.10	18.0		
			81	81	17.19	17.22	17.13		17.20	17.25	18.0		
			162	0	17.41	17.20	17.20		17.22	17.14	18.0		
16QAM	1	1	17.53	17.44	17.35		17.42	17.43	18.0				
1	80	17.37	17.14	17.14		17.16	17.11	18.0					
1	160	17.27	17.31	17.38		17.30	17.27	18.0					
64QAM	1	1	17.52	17.47	17.34		17.45	17.44	18.0				
256QAM	1	1	17.54	17.39	17.40		17.40	17.47	18.0				
CP-OFDM	QPSK	1	1	17.71	17.61	17.73		17.42	17.70	18.0			
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.95	17.62	17.29	17.19		17.18	17.28	17.14	18.0
			1	66	17.77	17.41	17.18	17.18		17.23	17.16	17.11	18.0
			1	131	17.72	17.32	17.24	17.22		17.25	17.27	17.30	18.0
			64	0	17.86	17.51	17.29	17.28		17.22	17.29	17.28	18.0
			64	34	17.72	17.52	17.16	17.17		17.21	17.10	17.09	18.0
			64	69	17.64	17.36	17.11	17.11		17.09	17.20	17.11	18.0
			128	0	17.79	17.44	17.14	17.24		17.20	17.17	17.18	18.0
		QPSK	1	1	17.95	17.51	17.52	17.49		17.46	17.49	17.39	18.0
			1	66	17.77	17.48	17.22	17.25		17.26	17.12	17.16	18.0
			1	131	17.59	17.26	17.19	17.20		17.23	17.33	17.21	18.0
			64	0	17.79	17.44	17.19	17.18		17.25	17.17	17.19	18.0
			64	34	17.88	17.57	17.21	17.12		17.21	17.21	17.13	18.0
			64	69	17.67	17.35	17.17	17.18		17.21	17.23	17.16	18.0
			128	0	17.71	17.46	17.11	17.23		17.17	17.24	17.20	18.0
16QAM	1	1	17.84	17.55	17.46	17.49		17.45	17.43	17.45	18.0		
1	66	17.72	17.47	17.15	17.14		17.19	17.22	17.12	18.0			
1	131	17.68	17.31	17.31	17.29		17.30	17.34	17.39	18.0			
64QAM	1	1	17.92	17.54	17.42	17.36		17.43	17.38	17.43	18.0		
256QAM	1	1	17.82	17.54	17.39	17.38		17.39	17.37	17.50	18.0		
CP-OFDM	QPSK	1	1	17.92	17.68	17.47	17.52		17.68	17.40	17.45	18.0	

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n77 (Ant E) (Voice/data/SRS0) Measured Results (Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)								Tune-up Limit	
					631334	635332	648000	651200	654400	657600	660800	664000		
					3470.01 MHz	3529.98 MHz	3720.00 MHz	3768.00 MHz	3816.00 MHz	3864.00 MHz	3912.00 MHz	3960.00 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.84	17.51	17.29	17.18	17.19	17.16	17.25	17.24	18.0	
			1	52	17.68	17.25	17.15	17.23	17.12	17.22	17.16	17.12	18.0	
			1	104	17.54	17.21	17.24	17.35	17.31	17.26	17.24	17.34	18.0	
			50	0	17.63	17.34	17.22	17.19	17.16	17.20	17.18	17.23	18.0	
			50	28	17.51	17.38	17.17	17.17	17.20	17.10	17.13	17.18	18.0	
			50	56	17.50	17.23	17.08	17.11	17.10	17.20	17.19	17.06	18.0	
		100	0	17.65	17.38	17.14	17.22	17.25	17.25	17.17	17.17	18.0		
		QPSK	1	1	17.82	17.30	17.42	17.50	17.49	17.48	17.46	17.47	18.0	
			1	52	17.58	17.28	17.20	17.20	17.20	17.22	17.16	17.20	18.0	
			1	104	17.48	17.10	17.32	17.27	17.27	17.20	17.19	17.26	18.0	
			50	0	17.55	17.36	17.23	17.17	17.15	17.18	17.19	17.23	18.0	
			50	28	17.64	17.25	17.10	17.19	17.13	17.08	17.08	17.16	18.0	
			50	56	17.49	17.22	17.14	17.19	17.22	17.23	17.18	17.12	18.0	
		100	0	17.61	17.37	17.16	17.19	17.22	17.19	17.15	17.20	18.0		
16QAM	1	1	17.59	17.35	17.41	17.48	17.38	17.36	17.42	17.47	18.0			
	1	52	17.57	17.33	17.15	17.22	17.17	17.16	17.14	17.14	18.0			
64QAM	1	104	17.47	17.18	17.28	17.33	17.36	17.32	17.37	17.27	18.0			
	1	1	17.56	17.41	17.40	17.39	17.39	17.41	17.33	17.42	18.0			
256QAM	1	1	17.70	17.29	17.42	17.38	17.44	17.47	17.49	17.36	18.0			
CP-OFDM	QPSK	1	1	17.63	17.41	17.52	17.63	17.67	17.46	17.47	17.58	18.0		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)								Tune-up Limit	
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.63	17.70	17.36	17.09	17.24	17.15	17.18	17.14	17.19	18.0
			1	39	17.61	17.63	17.40	17.20	17.10	17.13	17.10	17.09	17.21	18.0
			1	76	17.51	17.59	17.33	17.29	17.34	17.32	17.24	17.33	17.29	18.0
			36	0	17.42	17.47	17.19	17.24	17.25	17.18	17.17	17.16	17.26	18.0
			36	21	17.41	17.42	17.25	17.14	17.22	17.15	17.15	17.09	17.08	18.0
			36	42	17.38	17.37	17.18	17.09	17.12	17.18	17.13	17.19	17.19	18.0
		75	0	17.39	17.40	17.29	17.27	17.21	17.20	17.19	17.26	17.23	18.0	
		QPSK	1	1	17.59	17.68	17.42	17.46	17.49	17.43	17.43	17.45	17.41	18.0
			1	39	17.43	17.51	17.36	17.24	17.19	17.20	17.23	17.18	17.18	18.0
			1	76	17.41	17.56	17.29	17.19	17.27	17.20	17.18	17.18	17.22	18.0
			36	0	17.44	17.44	17.19	17.16	17.21	17.16	17.17	17.14	17.16	18.0
			36	21	17.39	17.42	17.36	17.22	17.23	17.18	17.22	17.22	17.15	18.0
			36	42	17.36	17.31	17.22	17.13	17.17	17.23	17.13	17.12	17.24	18.0
		75	0	17.46	17.42	17.25	17.18	17.20	17.11	17.15	17.17	17.23	18.0	
16QAM	1	1	17.56	17.59	17.32	17.50	17.48	17.47	17.48	17.37	17.42	18.0		
	1	39	17.44	17.42	17.28	17.20	17.14	17.19	17.08	17.14	17.19	18.0		
64QAM	1	76	17.36	17.46	17.21	17.40	17.31	17.37	17.33	17.26	17.39	18.0		
	1	1	17.61	17.58	17.33	17.33	17.40	17.41	17.39	17.38	17.37	18.0		
256QAM	1	1	17.56	17.55	17.37	17.49	17.41	17.47	17.40	17.43	17.47	18.0		
CP-OFDM	QPSK	1	1	17.82	17.63	17.49	17.65	17.42	17.63	17.50	17.65	17.69	18.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)								Tune-up Limit	
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.87	17.71	17.66	17.31	17.26	17.21	17.19	17.12	17.29	18.0
			1	32	17.74	17.61	17.55	17.21	17.16	17.14	17.13	17.16	17.14	18.0
			1	63	17.74	17.63	17.63	17.25	17.25	17.26	17.33	17.24	17.30	18.0
			32	0	17.66	17.62	17.51	17.26	17.25	17.30	17.27	17.15	17.28	18.0
			32	16	17.78	17.71	17.49	17.18	17.11	17.11	17.21	17.16	17.12	18.0
			32	33	17.60	17.59	17.48	17.20	17.20	17.12	17.14	17.11	17.09	18.0
		64	0	17.59	17.68	17.52	17.17	17.21	17.15	17.21	17.25	17.17	18.0	
		QPSK	1	1	17.76	17.83	17.86	17.47	17.46	17.52	17.46	17.51	17.49	18.0
			1	32	17.71	17.76	17.55	17.23	17.24	17.22	17.12	17.20	17.12	18.0
			1	63	17.79	17.71	17.57	17.27	17.20	17.25	17.22	17.28	17.29	18.0
			32	0	17.62	17.59	17.29	17.28	17.27	17.23	17.18	17.19	17.25	18.0
			32	16	17.73	17.74	17.44	17.21	17.14	17.08	17.19	17.16	17.12	18.0
			32	33	17.64	17.68	17.15	17.22	17.16	17.22	17.15	17.24	17.26	18.0
		64	0	17.52	17.57	17.22	17.17	17.22	17.23	17.16	17.25	17.11	18.0	
16QAM	1	1	17.69	17.69	17.64	17.35	17.48	17.45	17.43	17.46	17.48	18.0		
	1	32	17.73	17.71	17.29	17.14	17.15	17.18	17.20	17.11	17.12	18.0		
64QAM	1	63	17.72	17.72	17.28	17.39	17.37	17.30	17.29	17.27	17.36	18.0		
	1	1	17.71	17.71	17.32	17.34	17.37	17.42	17.37	17.34	17.37	18.0		
256QAM	1	1	17.70	17.78	17.15	17.36	17.48	17.47	17.39	17.39	17.42	18.0		
CP-OFDM	QPSK	1	1	17.83	17.80	17.41	17.57	17.63	17.53	17.58	17.40	17.49	18.0	

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n77 (Ant E) (Voice/data/SRS0) Measured Results (Continued)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						Measured Pwr (dBm)				Tune-up Limit
					630668	633334	636000	647334	650800	654266	657734	661200	664666		
					3460.02 MHz	3500.01 MHz	3540.00 MHz	3710.01 MHz	3762.00 MHz	3813.99 MHz	3866.01 MHz	3918.00 MHz	3969.99 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.66	17.51	17.51	17.12	17.12	17.28	17.21	17.24	17.25	18.0	
			1	25	17.58	17.45	17.48	17.13	17.18	17.11	17.14	17.15	17.11	18.0	
			1	49	17.55	17.44	17.50	17.30	17.32	17.28	17.30	17.35	17.30	18.0	
			25	0	17.47	17.35	17.37	17.15	17.17	17.26	17.29	17.29	17.26	18.0	
			25	13	17.54	17.41	17.38	17.11	17.17	17.16	17.13	17.19	17.08	18.0	
			25	26	17.44	17.44	17.37	17.13	17.20	17.21	17.10	17.07	17.15	18.0	
			50	0	17.58	17.53	17.49	17.22	17.27	17.25	17.19	17.20	17.26	18.0	
		QPSK	1	1	17.64	17.61	17.57	17.52	17.47	17.44	17.49	17.45	17.54	18.0	
			1	25	17.58	17.52	17.59	17.14	17.18	17.19	17.21	17.16	17.25	18.0	
			1	49	17.52	17.51	17.57	17.32	17.25	17.21	17.24	17.25	17.20	18.0	
			25	0	17.47	17.36	17.38	17.21	17.25	17.25	17.28	17.16	17.28	18.0	
			25	13	17.57	17.51	17.42	17.08	17.15	17.15	17.20	17.20	17.21	18.0	
			25	26	17.47	17.41	17.43	17.16	17.21	17.17	17.15	17.26	17.16	18.0	
			50	0	17.57	17.43	17.45	17.14	17.17	17.11	17.12	17.19	17.22	18.0	
16QAM	1	1	17.61	17.41	17.45	17.38	17.38	17.44	17.45	17.47	17.38	18.0			
1	25	17.58	17.45	17.41	17.18	17.17	17.13	17.21	17.09	17.15	18.0				
1	49	17.58	17.43	17.48	17.32	17.30	17.34	17.25	17.29	17.39	18.0				
64QAM	1	1	17.58	17.44	17.47	17.34	17.36	17.44	17.46	17.43	17.43	18.0			
256QAM	1	1	17.57	17.52	17.48	17.41	17.50	17.47	17.36	17.40	17.41	18.0			
CP-OFDM	QPSK	1	1	17.76	17.59	17.52	17.52	17.44	17.40	17.68	17.61	17.65	18.0		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				Measured Pwr (dBm)				Tune-up Limit		
					630500	633334	636166	647168	650700	654234	657766	661300		664832	
					3457.50 MHz	3500.01 MHz	3542.49 MHz	3707.52 MHz	3760.50 MHz	3813.51 MHz	3866.49 MHz	3919.50 MHz		3972.48 MHz	
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.62	17.52	17.53	17.40	17.23	17.36	17.34	17.19	17.22	18.0	
			1	18	17.66	17.51	17.52	17.12	17.13	17.17	17.15	17.16	17.16	18.0	
			1	36	17.67	17.47	17.51	17.27	17.34	17.22	17.31	17.26	17.29	18.0	
			18	0	17.57	17.41	17.42	17.16	17.19	17.25	17.23	17.19	17.27	18.0	
			18	10	17.65	17.57	17.51	17.11	17.10	17.21	17.22	17.21	17.09	18.0	
			18	20	17.53	16.49	17.39	17.10	17.17	17.13	17.11	17.19	17.13	18.0	
			36	0	17.48	17.48	17.39	17.26	17.15	17.20	17.13	17.24	17.18	18.0	
		QPSK	1	1	17.68	17.53	17.56	17.40	17.47	17.48	17.41	17.41	17.48	18.0	
			1	18	17.69	17.54	17.47	17.25	17.18	17.15	17.22	17.17	17.21	18.0	
			1	36	17.68	17.55	17.57	17.25	17.24	17.22	17.24	17.21	17.19	18.0	
			18	0	17.44	17.49	17.37	17.17	17.24	17.20	17.22	17.17	17.29	18.0	
			18	10	17.75	17.52	17.55	17.16	17.16	17.17	17.14	17.22	17.21	18.0	
			18	20	17.59	17.49	17.38	17.19	17.19	17.24	17.17	17.18	17.25	18.0	
			36	0	17.57	17.48	17.39	17.11	17.16	17.12	17.11	17.13	17.15	18.0	
16QAM	1	1	17.53	17.51	17.45	17.47	17.38	17.44	17.42	17.48	17.43	18.0			
	1	18	17.68	17.49	17.41	17.13	17.16	17.18	17.08	17.19	17.18	18.0			
	1	36	17.64	17.47	17.44	17.30	17.36	17.26	17.32	17.26	17.38	18.0			
	64QAM	1	1	17.54	17.52	17.47	17.34	17.33	17.44	17.32	17.39	17.38	18.0		
256QAM	1	1	17.52	17.49	17.45	17.46	17.43	17.45	17.44	17.47	17.43	18.0			
CP-OFDM	QPSK	1	1	17.65	17.66	17.51	17.51	17.65	17.47	17.47	17.69	17.65	18.0		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)				Measured Pwr (dBm)				Tune-up Limit		
					630334	633334	636332	647000	650600	654200	657800	661400		665000	
					3455.01 MHz	3500.01 MHz	3544.98 MHz	3705.00 MHz	3759.00 MHz	3813.00 MHz	3867.00 MHz	3921.00 MHz		3975.00 MHz	
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	17.68	17.40	17.01	17.28	17.33	17.27	17.16	17.28	17.23	18.0	
			1	12	17.55	17.30	17.04	17.25	17.29	17.15	17.14	17.29	17.20	18.0	
			1	22	17.65	17.31	17.07	17.31	17.29	17.26	17.25	17.36	17.26	18.0	
			12	0	17.48	17.25	17.02	17.70	17.17	17.11	17.09	17.09	17.11	18.0	
			12	6	17.60	17.31	16.99	17.25	17.21	17.26	17.16	17.10	17.21	18.0	
			12	12	17.46	17.23	16.95	17.11	17.20	17.18	17.12	17.11	17.17	18.0	
			24	0	17.40	17.19	16.96	17.11	17.17	17.11	17.09	17.09	17.10	18.0	
		QPSK	1	1	17.68	17.41	17.12	17.24	17.29	17.26	17.16	17.28	17.27	18.0	
			1	12	17.58	17.30	17.05	17.25	17.30	17.22	17.22	17.25	17.14	18.0	
			1	22	17.61	17.34	17.08	17.32	17.26	17.32	17.24	17.29	17.29	18.0	
			12	0	17.51	17.24	17.02	17.11	17.19	17.09	17.09	17.17	17.10	18.0	
			12	6	17.61	17.33	17.04	17.22	17.21	17.22	17.18	17.16	17.19	18.0	
			12	12	17.54	17.23	16.93	17.19	17.19	17.15	17.13	17.21	17.12	18.0	
			24	0	17.54	17.22	16.95	17.13	17.17	17.10	17.08	17.08	17.15	18.0	
16QAM	1	1	17.61	17.30	17.00	17.20	17.28	17.18	17.13	17.17	17.15	18.0			
	1	12	17.52	17.21	17.01	17.17	17.22	17.16	17.14	17.14	17.11	18.0			
	1	22	17.56	17.22	17.06	17.28	17.31	17.23	17.20	17.28	17.21	18.0			
	64QAM	1	1	17.61	17.27	17.04	17.21	17.22	17.15	17.11	17.13	17.12	18.0		
256QAM	1	1	17.59	17.31	17.07	17.19	17.21	17.18	17.09	17.21	17.15	18.0			
CP-OFDM	QPSK	1	1	17.71	17.50	17.17	17.56	17.43	17.75	17.42	17.67	17.74	18.0		

Notes:
 NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n77 (Ant C) (SRS1) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)									
		DSI = 0, 1, 2, 3									
		Measured Pw r (dBm)					Measured Pw r (dBm)				
		633332	650000	662000							Tune-up Limit
		3499.98 MHz	3750.00 MHz	3930.00 MHz							
100 MHz	SRS CW	14.63	13.01	13.68							15.0
		633332	649668	656000	662332						Tune-up Limit
		3499.98 MHz	3745.02 MHz	3840.00 MHz	3934.98 MHz						
90 MHz	SRS CW	14.76	13.18	13.32	14.13						15.0
		633332	649334	656000	662666						Tune-up Limit
		3499.98 MHz	3740.01 MHz	3840.00 MHz	3939.99 MHz						
80 MHz	SRS CW	14.72	13.86	13.12	14.22						15.0
		633332	649000	653666	658334	663000					Tune-up Limit
		3499.98 MHz	3735.00 MHz	3804.99 MHz	3875.01 MHz	3945.00 MHz					
70 MHz	SRS CW	14.64	13.85	13.01	13.24	14.26					15.0
		633332	648668	653556	658444	663332					Tune-up Limit
		3499.98 MHz	3730.02 MHz	3803.34 MHz	3876.66 MHz	3949.98 MHz					
60 MHz	SRS CW	14.71	13.96	13.02	13.21	14.47					15.0
		631668	635000	648334	652168	656000	659834	663666			Tune-up Limit
		3475.02 MHz	3525.00 MHz	3725.01 MHz	3782.52 MHz	3840.00 MHz	3897.51 MHz	3954.99 MHz			
50 MHz	SRS CW	14.87	14.88	14.48	13.52	13.17	13.56	14.59			15.0
		631334	635332	648000	651200	654400	657600	660800	664000		Tune-up Limit
		3470.01 MHz	3529.98 MHz	3720.00 MHz	3768.00 MHz	3816.00 MHz	3864.00 MHz	3912.00 MHz	3960.00 MHz		
40 MHz	SRS CW	14.80	14.79	14.40	13.49	13.16	13.18	13.69	14.57		15.0
		631000	633332	635666	647668	651000	654334	657666	661000	664332	Tune-up Limit
		3465.00 MHz	3499.98 MHz	3534.99 MHz	3715.02 MHz	3765.00 MHz	3815.01 MHz	3864.99 MHz	3915.00 MHz	3964.98 MHz	
30 MHz	SRS CW	14.82	14.78	14.79	14.52	13.53	13.16	13.79	13.92	14.73	15.0
		630834	633332	635832	647500	650900	654300	657700	661100	664500	Tune-up Limit
		3462.51 MHz	3499.98 MHz	3537.48 MHz	3712.50 MHz	3763.50 MHz	3814.50 MHz	3865.50 MHz	3916.50 MHz	3967.50 MHz	
25 MHz	SRS CW	14.84	14.81	14.74	14.76	13.53	13.08	13.12	13.71	14.62	15.0
		630668	633332	636000	647334	650800	654266	657734	661200	664666	Tune-up Limit
		3460.02 MHz	3499.98 MHz	3540.00 MHz	3710.01 MHz	3762.00 MHz	3813.99 MHz	3866.01 MHz	3918.00 MHz	3969.99 MHz	
20 MHz	SRS CW	14.72	14.73	14.62	14.65	13.59	13.03	13.05	13.55	14.62	15.0
		630500	633332	636166	647168	650700	654234	657766	661300	664832	Tune-up Limit
		3457.50 MHz	3499.98 MHz	3542.49 MHz	3707.52 MHz	3760.50 MHz	3813.51 MHz	3866.49 MHz	3919.50 MHz	3972.48 MHz	
15 MHz	SRS CW	14.75	14.72	14.62	14.76	13.76	13.45	13.47	13.97	14.94	15.0
		630334	633332	636332	647000	650600	654200	657800	661400	665000	Tune-up Limit
		3455.01 MHz	3499.98 MHz	3544.98 MHz	3705.00 MHz	3759.00 MHz	3813.00 MHz	3867.00 MHz	3921.00 MHz	3975.00 MHz	
10 MHz	SRS CW	14.84	14.67	14.29	13.82	12.98	12.65	12.78	13.36	14.22	15.0

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n77 (Ant F) (SRS2) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)									
		DSI = 0, 1, 2, 3									
		Measured Pwr (dBm)					Measured Pwr (dBm)				
		633332		650000					662000		Tune-up Limit
		3499.98 MHz		3750.00 MHz					3930.00 MHz		
100MHz	SRS CW	14.77		14.51					14.55		15.0
		633332		649668				656000		662332	Tune-up Limit
		3499.98 MHz		3745.02 MHz				3840.00 MHz		3934.98 MHz	
90 MHz	SRS CW	14.55		14.16				14.35		13.91	15.0
		633332		649334				656000		662666	Tune-up Limit
		3499.98 MHz		3740.01 MHz				3840.00 MHz		3939.99 MHz	
80 MHz	SRS CW	14.71		14.45				14.25		14.18	15.0
		633332		649000	653666			658334		663000	Tune-up Limit
		3499.98 MHz		3735.00 MHz	3804.99 MHz			3875.01 MHz		3945.00 MHz	
70 MHz	SRS CW	14.78		14.65	14.57			14.36		14.11	15.0
		633332		648668	653556			658444		663332	Tune-up Limit
		3499.98 MHz		3730.02 MHz	3803.34 MHz			3876.66 MHz		3949.98 MHz	
60 MHz	SRS CW	14.82		14.66	14.53			14.41		14.06	15.0
		631668		635000	648334	652168		656000	659834	663666	Tune-up Limit
		3475.02 MHz		3525.00 MHz	3725.01 MHz	3782.52 MHz		3840.00 MHz	3897.51 MHz	3954.99 MHz	
50 MHz	SRS CW	14.88		14.89	14.94	14.88		14.55	14.39	14.23	15.0
		631334		635332	648000	651200	654400	657600	660800	664000	Tune-up Limit
		3470.01 MHz		3529.98 MHz	3720.00 MHz	3768.00 MHz	3816.00 MHz	3864.00 MHz	3912.00 MHz	3960.00 MHz	
40 MHz	SRS CW	14.87		14.91	14.64	14.51	14.57	14.38	14.21	14.13	15.0
		631000	633332	635666	647668	651000	654334	657666	661000	664332	Tune-up Limit
		3465.00 MHz	3499.98 MHz	3534.99 MHz	3715.02 MHz	3765.00 MHz	3815.01 MHz	3864.99 MHz	3915.00 MHz	3964.98 MHz	
30 MHz	SRS CW	14.86	14.84	14.72	14.62	14.49	14.51	14.31	14.07	13.95	15.0
		630834	633332	635832	647500	650900	654300	657700	661100	664500	Tune-up Limit
		3462.51 MHz	3499.98 MHz	3537.48 MHz	3712.50 MHz	3763.50 MHz	3814.50 MHz	3865.50 MHz	3916.50 MHz	3967.50 MHz	
25 MHz	SRS CW	14.91	14.88	14.83	14.71	14.56	14.61	14.36	14.12	13.98	15.0
		630668	633332	636000	647334	650800	654266	657734	661200	664666	Tune-up Limit
		3460.02 MHz	3499.98 MHz	3540.00 MHz	3710.01 MHz	3762.00 MHz	3813.99 MHz	3866.01 MHz	3918.00 MHz	3969.99 MHz	
20 MHz	SRS CW	14.84	14.85	14.88	14.61	14.47	14.53	14.35	14.04	13.89	15.0
		630500	633332	636166	647168	650700	654234	657766	661300	664832	Tune-up Limit
		3457.50 MHz	3499.98 MHz	3542.49 MHz	3707.52 MHz	3760.50 MHz	3813.51 MHz	3866.49 MHz	3919.50 MHz	3972.48 MHz	
15 MHz	SRS CW	14.81	14.81	14.91	14.64	14.57	14.36	14.22	14.01	13.97	15.0
		630334	633332	636332	647000	650600	654200	657800	661400	665000	Tune-up Limit
		3455.01 MHz	3499.98 MHz	3544.98 MHz	3705.00 MHz	3759.00 MHz	3813.00 MHz	3867.00 MHz	3921.00 MHz	3975.00 MHz	
10 MHz	SRS CW	14.75	14.78	14.81	14.78	14.66	14.63	14.43	14.35	14.23	15.0

Notes:

NR TDD mode were measured output power through FTM mode provided by manufacturer.

NR Band n77 (Ant A) (SRS3) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)									
		DSI = 0,1,2,3									
		Measured Pw r (dBm)					Measured Pw r (dBm)				
		633332	650000	662000							Tune-up Limit
		3499.98 MHz	3750.00 MHz	3930.00 MHz							
100 MHz	SRS CW	14.49	14.42	14.17							15.0
		633332	649668	656000	662332						Tune-up Limit
		3499.98 MHz	3745.02 MHz	3840.00 MHz	3934.98 MHz						
90 MHz	SRS CW	14.63	13.73	14.21	14.26						15.0
		633332	649334	656000	662666						Tune-up Limit
		3499.98 MHz	3740.01 MHz	3840.00 MHz	3939.99 MHz						
80 MHz	SRS CW	14.55	13.75	14.27	14.19						15.0
		633332	649000	653666	658334	663000					Tune-up Limit
		3499.98 MHz	3735.00 MHz	3804.99 MHz	3875.01 MHz	3945.00 MHz					
70 MHz	SRS CW	14.53	13.81	14.16	14.25	14.13					15.0
		633332	648668	653556	658444	663332					Tune-up Limit
		3499.98 MHz	3730.02 MHz	3803.34 MHz	3876.66 MHz	3949.98 MHz					
60 MHz	SRS CW	14.46	13.84	14.15	14.22	14.03					15.0
		631668	635000	648334	652168	656000	659834	663666			Tune-up Limit
		3475.02 MHz	3525.00 MHz	3725.01 MHz	3782.52 MHz	3840.00 MHz	3897.51 MHz	3954.99 MHz			
50 MHz	SRS CW	14.91	14.58	13.93	14.25	14.41	14.57	14.26			15.0
		631334	635332	648000	651200	654400	657600	660800	664000		Tune-up Limit
		3470.01 MHz	3529.98 MHz	3720.00 MHz	3768.00 MHz	3816.00 MHz	3864.00 MHz	3912.00 MHz	3960.00 MHz		
40 MHz	SRS CW	14.79	14.56	13.75	13.93	14.15	14.13	14.23	13.94		15.0
		631000	633332	635666	647668	651000	654334	657666	661000	664332	Tune-up Limit
		3465.00 MHz	3499.98 MHz	3534.99 MHz	3715.02 MHz	3765.00 MHz	3815.01 MHz	3864.99 MHz	3915.00 MHz	3964.98 MHz	
30 MHz	SRS CW	14.72	14.66	14.49	13.84	13.94	14.16	14.17	14.11	13.76	15.0
		630834	633332	635832	647500	650900	654300	657700	661100	664500	Tune-up Limit
		3462.51 MHz	3499.98 MHz	3537.48 MHz	3712.50 MHz	3763.50 MHz	3814.50 MHz	3865.50 MHz	3916.50 MHz	3967.50 MHz	
25 MHz	SRS CW	14.79	14.74	14.51	13.86	14.01	14.20	14.19	14.19	13.87	15.0
		630668	633332	636000	647334	650800	654266	657734	661200	664666	Tune-up Limit
		3460.02 MHz	3499.98 MHz	3540.00 MHz	3710.01 MHz	3762.00 MHz	3813.99 MHz	3866.01 MHz	3918.00 MHz	3969.99 MHz	
20 MHz	SRS CW	14.73	14.64	14.35	13.74	13.81	14.02	14.03	14.04	13.67	15.0
		630500	633332	636166	647168	650700	654234	657766	661300	664832	Tune-up Limit
		3457.50 MHz	3499.98 MHz	3542.49 MHz	3707.52 MHz	3760.50 MHz	3813.51 MHz	3866.49 MHz	3919.50 MHz	3972.48 MHz	
15 MHz	SRS CW	14.73	14.63	14.76	13.79	13.84	14.04	14.09	14.10	13.74	15.0
		630334	633332	636332	647000	650600	654200	657800	661400	665000	Tune-up Limit
		3455.01 MHz	3499.98 MHz	3544.98 MHz	3705.00 MHz	3759.00 MHz	3813.00 MHz	3867.00 MHz	3921.00 MHz	3975.00 MHz	
10 MHz	SRS CW	14.64	14.49	14.46	14.13	14.11	14.25	14.32	14.34	14.04	15.0

Notes:

NR TDD mode 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, 3		
					Meas. Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
WiFi 2.4G SISO Ant.G	802.11b	1 Mbps	1	2412.0	17.03	18.0	Yes
			6	2437.0	17.17		
			11	2462.0	17.01		
			12	2467.0	5.57		
			13	2472.0	-0.54		
	802.11g	6 Mbps	Not Required	Not Required	18.0	No	
	802.11n	6.5 Mbps			18.0		
	802.11ac	6.5 Mbps			18.0		
802.11ax	7.3 Mbps	18.0					
WiFi 2.4G SISO Ant.F	802.11b	1 Mbps	1	2412.0	17.41	18.0	Yes
			6	2437.0	17.24		
			11	2462.0	17.21		
			12	2467.0	5.78		
			13	2472.0	-0.43		
	802.11g	6 Mbps	Not Required	Not Required	18.0	No	
	802.11n	6.5 Mbps			18.0		
	802.11ac	6.5 Mbps			18.0		
802.11ax	7.3 Mbps	18.0					

WLAN MIMO output power results

Antenna	Mode	Data Rate	Ch #	Freq. (MHz)	WLAN mode power		
					Maximum Allowed Average power (dBm)		
					DSI = 0, 1, 3		
					Meas. Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
WiFi 2.4G MIMO Ant.G	802.11b	1 Mbps	1	2412.0	16.95	18.0	Yes
			6	2437.0	17.18		
			11	2462.0	16.89		
			12	2467.0	5.33		
			13	2472.0	-0.69		
	802.11g	6 Mbps	Not Required	Not Required	18.0	No	
	802.11n	6.5 Mbps			18.0		
	802.11ac	6.5 Mbps			18.0		
802.11ax	7.3 Mbps	18.0					
WiFi 2.4G MIMO Ant.F	802.11b	1 Mbps	1	2412.0	17.47	18.0	Yes
			6	2437.0	17.24		
			11	2462.0	17.25		
			12	2467.0	5.75		
			13	2472.0	-0.47		
	802.11g	6 Mbps	Not Required	Not Required	18.0	No	
	802.11n	6.5 Mbps			18.0		
	802.11ac	6.5 Mbps			18.0		
802.11ax	7.3 Mbps	18.0					

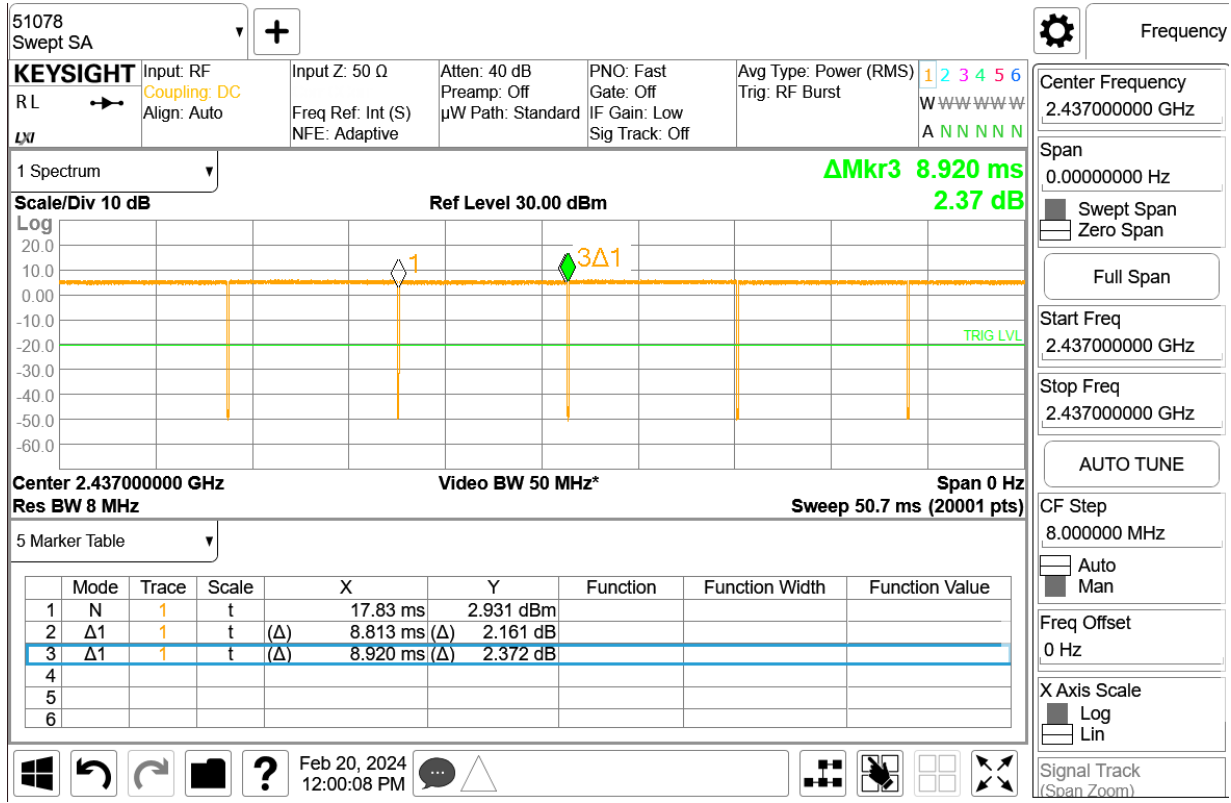
Note(s):

- SAR is not required for 802.11g/n modes when the adjusted SAR for 802.11b is < 1.2 W/kg.
- 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 Cycle	Measured Duty Cycle	Crest Factor (maximum duty/ measured duty cycle)
802.11b	8.813	8.920	100.00%	98.80%	1.01

Duty Cycle plots (802.11b-SISO)



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

WLAN SISO Ant.G output power Results

Antenna	Band (GHz)	Mode	Data Rate	Ch #	Freq. (MHz)	Maximum Allowed Average power (dBm)		
						DSI = 0, 1, 3		
						Avg Power (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
5GHz SISO Ant.G	5.3 (UNII 2A)	802.11a	6 Mbps	Not Required		18.0	No	
		802.11n (HT20)	6.5 Mbps	Not Required		18.0	No	
		802.11n (HT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT20)	6.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT40)	13.5 Mbps	54	5270.0	17.13	18.0	Yes
				62	5310.0	14.35	15.5	
		802.11ac (VHT80)	29.3 Mbps	Not Required		16.0	No	
		802.11ax (HE20)	7.3 Mbps	Not Required		18.0	No	
		802.11ax (HE40)	14.6 Mbps	Not Required		18.0	No	
	802.11ax (HE80)	36.0 Mbps	Not Required		16.0	No		
	UNII 1 & UNII 2A	802.11ac (VHT160)	58.5 Mbps	Not Required		16.0	No	
		802.11ax (HE160)	72.0 Mbps	Not Required		16.0	No	
	5.5 (U-NII 2C)	802.11a	6 Mbps	Not Required		18.0	No	
		802.11n (HT20)	6.5 Mbps	Not Required		18.0	No	
		802.11n (HT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT20)	6.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT80)	29.3 Mbps	106	5530.0	15.05	16.0	Yes
				122	5610.0	16.90	18.0	
				138	5690.0	16.84	18.0	
		802.11ac (VHT160)	58.5 Mbps	Not Required		14.0	No	
		802.11ax (HE20)	7.3 Mbps	Not Required		18.0	No	
		802.11ax (HE40)	14.6 Mbps	Not Required		18.0	No	
	802.11ax (HE80)	36.0 Mbps	Not Required		18.0	No		
	802.11ax (HE160)	72.0 Mbps	Not Required		14.0	No		
	5.8 (UNII 3)	802.11a	6 Mbps	Not Required		18.0	No	
		802.11n (HT20)	6.5 Mbps	Not Required		18.0	No	
		802.11n (HT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT20)	6.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT80)	29.3 Mbps	155	5775.0	16.68	18.0	Yes
		802.11ax (HE20)	7.3 Mbps	Not Required		18.0	No	
		802.11ax (HE40)	14.6 Mbps	Not Required		18.0	No	
	802.11ax (HE80)	36.0 Mbps	Not Required		18.0	No		
	5.9 (U-NII 4)	802.11a	6 Mbps	Not Required		18.0	No	
		802.11n (HT20)	6.5 Mbps	Not Required		18.0	No	
		802.11n (HT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT20)	6.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT80)	29.3 Mbps	171	5855.0	16.60	18.0	Yes
		802.11ax (HE20)	7.3 Mbps	Not Required		18.0	No	
		802.11ax (HE40)	14.6 Mbps	Not Required		18.0	No	
		802.11ax (HE80)	30.6 Mbps	Not Required		18.0	No	
	UNII 3 & UNII 4	802.11ac (VHT160)	58.5 Mbps	Not Required		16.0	No	
		802.11ax (HE160)	72.0 Mbps	Not Required		16.0	No	

Note(s):

- 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/ax mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, for each frequency band.
- 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.
- 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 SISO Ant.D output power Results

Antenna	Band (GHz)	Mode	Data Rate	Ch #	Freq. (MHz)	Maximum Allowed Average power (dBm)		
						DSI = 0, 1, 3		
						Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
5GHz SISO Ant.D	5.3 (UNII 2A)	802.11a	6 Mbps	Not Required		18.0	No	
		802.11n (HT20)	6.5 Mbps	Not Required		18.0	No	
		802.11n (HT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT20)	6.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT40)	13.5 Mbps	54	5270.0	17.70	18.0	Yes
				62	5310.0	14.96	15.5	
		802.11ac (VHT80)	29.3 Mbps	Not Required		16.0	No	
		802.11ax (HE20)	7.3 Mbps	Not Required		18.0	No	
	802.11ax (HE40)	14.6 Mbps	Not Required		18.0	No		
	802.11ax (HE80)	36.0 Mbps	Not Required		16.0	No		
	UNII 1 & UNII 2A	802.11ac (VHT160)	58.5 Mbps	Not Required		16.0	No	
		802.11ax (HE160)	72.0 Mbps	Not Required		16.0	No	
	5.5 (U-NII 2C)	802.11a	6 Mbps	Not Required		18.0	No	
		802.11n (HT20)	6.5 Mbps	Not Required		18.0	No	
		802.11n (HT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT20)	6.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT80)	29.3 Mbps	106	5530.0	15.77	16.0	Yes
				122	5610.0	17.24	18.0	
				138	5690.0	17.12	18.0	
		802.11ac (VHT160)	58.5 Mbps	Not Required		14.0	No	
		802.11ax (HE20)	7.3 Mbps	Not Required		18.0	No	
	802.11ax (HE40)	14.6 Mbps	Not Required		18.0	No		
	802.11ax (HE80)	36.0 Mbps	Not Required		18.0	No		
	802.11ax (HE160)	72.0 Mbps	Not Required		14.0	No		
	5.8 (UNII 3)	802.11a	6 Mbps	Not Required		18.0	No	
		802.11n (HT20)	6.5 Mbps	Not Required		18.0	No	
		802.11n (HT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT20)	6.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT80)	29.3 Mbps	155	5775.0	17.05	18.0	Yes
		802.11ax (HE20)	7.3 Mbps	Not Required		18.0	No	
		802.11ax (HE40)	14.6 Mbps	Not Required		18.0	No	
	802.11ax (HE80)	36.0 Mbps	Not Required		18.0	No		
	5.9 (U-NII 4)	802.11a	6 Mbps	Not Required		18.0	No	
		802.11n (HT20)	6.5 Mbps	Not Required		18.0	No	
		802.11n (HT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT20)	6.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT80)	29.3 Mbps	171	5855.0	16.82	18.0	Yes
		802.11ax (HE20)	7.3 Mbps	Not Required		18.0	No	
		802.11ax (HE40)	14.6 Mbps	Not Required		18.0	No	
802.11ax (HE80)	30.6 Mbps	Not Required		18.0	No			
UNII 3 & UNII 4	802.11ac (VHT160)	58.5 Mbps	Not Required		16.0	No		
	802.11ax (HE160)	72.0 Mbps	Not Required		16.0	No		

Note(s):

- 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/ax mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, for each frequency band.
- 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.
- 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.G output power Results

Antenna	Band (GHz)	Mode	Data Rate	Ch #	Freq. (MHz)	Maximum Allowed Average power (dBm)		
						DSI = 0, 1, 3		
						Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
5GHz MIMO Ant.G	5.3 (UNII 2A)	802.11a	6 Mbps	Not Required		18.0	No	
		802.11n (HT20)	6.5 Mbps	Not Required		18.0	No	
		802.11n (HT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT20)	6.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT40)	13.5 Mbps	54	5270.0	17.23	18.0	Yes
				62	5310.0	14.37	15.5	
		802.11ac (VHT80)	29.3 Mbps	Not Required		16.0	No	
		802.11ax (HE20)	7.3 Mbps	Not Required		18.0	No	
	802.11ax (HE40)	14.6 Mbps	Not Required		18.0	No		
	802.11ax (HE80)	36.0 Mbps	Not Required		16.0	No		
	UNII 1 & UNII 2A	802.11ac (VHT160)	58.5 Mbps	Not Required		16.0	No	
		802.11ax (HE160)	72.0 Mbps	Not Required		16.0	No	
	5.5 (U-NII 2C)	802.11a	6 Mbps	Not Required		18.0	No	
		802.11n (HT20)	6.5 Mbps	Not Required		18.0	No	
		802.11n (HT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT20)	6.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT80)	29.3 Mbps	106	5530.0	14.98	16.0	Yes
				122	5610.0	17.02	18.0	
				138	5690.0	16.98	18.0	
		802.11ac (VHT160)	58.5 Mbps	Not Required		14.0	No	
		802.11ax (HE20)	7.3 Mbps	Not Required		18.0	No	
	802.11ax (HE40)	14.6 Mbps	Not Required		18.0	No		
	802.11ax (HE80)	36.0 Mbps	Not Required		18.0	No		
	802.11ax (HE160)	72.0 Mbps	Not Required		14.0	No		
	5.8 (UNII 3)	802.11a	6 Mbps	Not Required		18.0	No	
		802.11n (HT20)	6.5 Mbps	Not Required		18.0	No	
		802.11n (HT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT20)	6.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT80)	29.3 Mbps	155	5775.0	16.80	18.0	Yes
		802.11ax (HE20)	7.3 Mbps	Not Required		18.0	No	
		802.11ax (HE40)	14.6 Mbps	Not Required		18.0	No	
	802.11ax (HE80)	36.0 Mbps	Not Required		18.0	No		
	5.9 (U-NII 4)	802.11a	6 Mbps	Not Required		18.0	No	
		802.11n (HT20)	6.5 Mbps	Not Required		18.0	No	
		802.11n (HT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT20)	6.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT80)	29.3 Mbps	171	5855.0	16.78	18.0	Yes
		802.11ax (HE20)	7.3 Mbps	Not Required		18.0	No	
		802.11ax (HE40)	14.6 Mbps	Not Required		18.0	No	
802.11ax (HE80)	30.6 Mbps	Not Required		18.0	No			
UNII 3 & UNII 4	802.11ac (VHT160)	58.5 Mbps	Not Required		16.0	No		
	802.11ax (HE160)	72.0 Mbps	Not Required		16.0	No		

Note(s):

- 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/ax mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, for each frequency band.
- 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.
- 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.D output power Results

Antenna	Band (GHz)	Mode	Data Rate	Ch #	Freq. (MHz)	Maximum Allowed Average power (dBm)		
						DSI = 0, 1, 3		
						Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
5GHz MIMO Ant.D	5.3 (UNII 2A)	802.11a	6 Mbps	Not Required		18.0	No	
		802.11n (HT20)	6.5 Mbps	Not Required		18.0	No	
		802.11n (HT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT20)	6.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT40)	13.5 Mbps	54	5270.0	17.52	18.0	Yes
				62	5310.0	14.98	15.5	
		802.11ac (VHT80)	29.3 Mbps	Not Required		16.0	No	
		802.11ax (HE20)	7.3 Mbps	Not Required		18.0	No	
	802.11ax (HE40)	14.6 Mbps	Not Required		18.0	No		
	802.11ax (HE80)	36.0 Mbps	Not Required		16.0	No		
	UNII 1 & UNII 2A	802.11ac (VHT160)	58.5 Mbps	Not Required		16.0	No	
		802.11ax (HE160)	72.0 Mbps	Not Required		16.0	No	
	5.5 (U-NII 2C)	802.11a	6 Mbps	Not Required		18.0	No	
		802.11n (HT20)	6.5 Mbps	Not Required		18.0	No	
		802.11n (HT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT20)	6.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT80)	29.3 Mbps	106	5530.0	15.63	16.0	Yes
				122	5610.0	17.21	18.0	
				138	5690.0	17.10	18.0	
		802.11ac (VHT160)	58.5 Mbps	Not Required		14.0	No	
		802.11ax (HE20)	7.3 Mbps	Not Required		18.0	No	
	802.11ax (HE40)	14.6 Mbps	Not Required		18.0	No		
	802.11ax (HE80)	36.0 Mbps	Not Required		18.0	No		
	802.11ax (HE160)	72.0 Mbps	Not Required		14.0	No		
	5.8 (UNII 3)	802.11a	6 Mbps	Not Required		18.0	No	
		802.11n (HT20)	6.5 Mbps	Not Required		18.0	No	
		802.11n (HT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT20)	6.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT80)	29.3 Mbps	155	5775.0	17.04	18.0	Yes
		802.11ax (HE20)	7.3 Mbps	Not Required		18.0	No	
		802.11ax (HE40)	14.6 Mbps	Not Required		18.0	No	
	802.11ax (HE80)	36.0 Mbps	Not Required		18.0	No		
	5.9 (U-NII 4)	802.11a	6 Mbps	Not Required		18.0	No	
		802.11n (HT20)	6.5 Mbps	Not Required		18.0	No	
		802.11n (HT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT20)	6.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT40)	13.5 Mbps	Not Required		18.0	No	
		802.11ac (VHT80)	29.3 Mbps	171	5855.0	16.72	18.0	Yes
		802.11ax (HE20)	7.3 Mbps	Not Required		18.0	No	
		802.11ax (HE40)	14.6 Mbps	Not Required		18.0	No	
802.11ax (HE80)	30.6 Mbps	Not Required		18.0	No			
UNII 3 & UNII 4	802.11ac (VHT160)	58.5 Mbps	Not Required		16.0	No		
	802.11ax (HE160)	72.0 Mbps	Not Required		16.0	No		

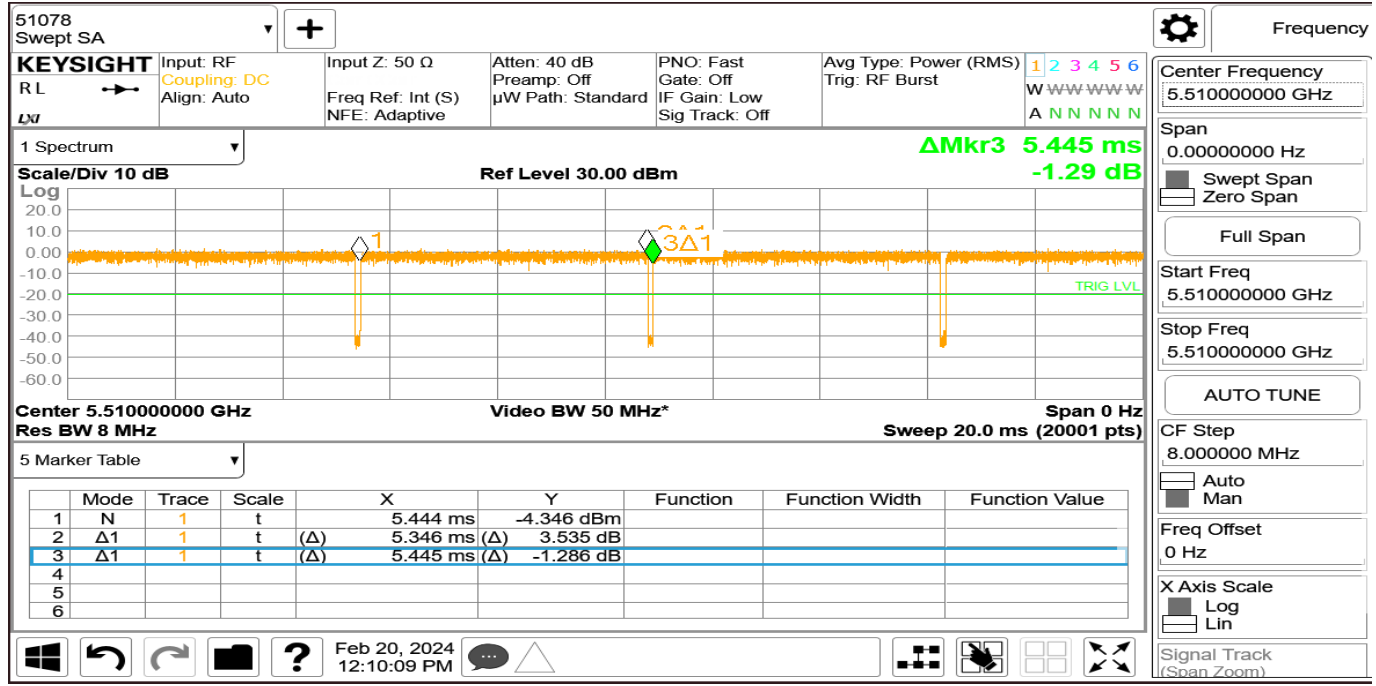
Note(s):

- 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/ax mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, for each frequency band.
- 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.
- 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.

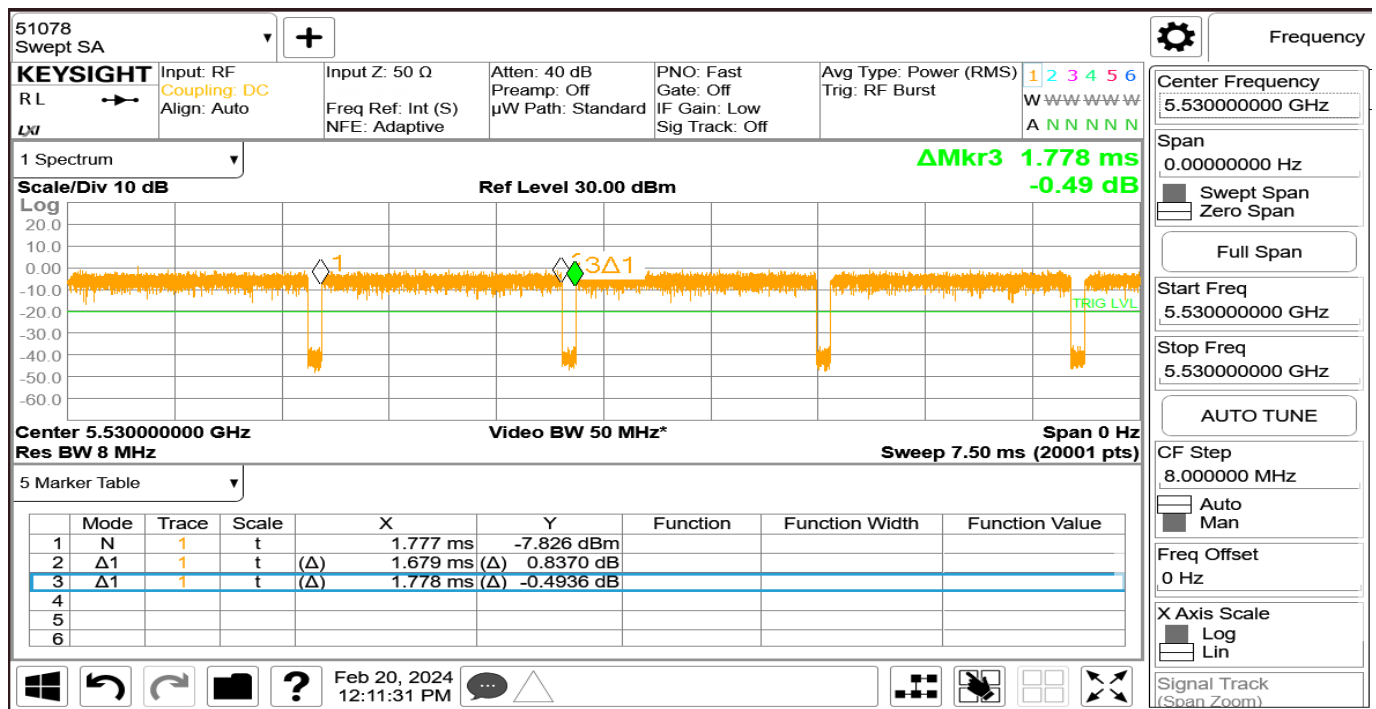
Duty Factor Measured Results

Mode	T on (ms)	Period (ms)	Maximum Duty Cycle	Measured Duty Cycle	Crest Factor (maximum duty/ measured duty cycle)
802.11n HT40	5.346	5.445	100.00%	98.18%	1.02
802.11ac VHT80	1.679	1.778	100.00%	94.43%	1.06

Duty Cycle plots (802.11n HT40)



Duty Cycle plots (802.11ac VHT80)



9.7. Bluetooth

Bluetooth SISO output power Results

Band (GHz)	Antenna	Mode	Ch #	Freq. (MHz)	Maximum Allowed Average power (dBm)		SAR test			
					DSI = 0, 1, 2, 3					
					Meas Pwr	Tune-up Limit				
2.4	BT SISO Ant.G (PL11)	Bluetooth(BDR) (1Mbps)	0	2402	Not required	19.5	No			
			19	2441						
			39	2480						
		Bluetooth(EDR) (2/3Mbps)	0	2402				16.5		
			19	2441						
			39	2480						
		Bluetooth(LE) (1Mbps)	0	2402		19.01			19.5	Yes
			19	2440		18.71				
			39	2480		17.43				
		Bluetooth(LE) (2Mbps)	0	2402		Not required		19.5	No	
			19	2440						
			39	2480						
	BT SISO Ant.F (PL11)	Bluetooth(BDR) (1Mbps)	0	2402	Not required	19.5	No			
			19	2441						
			39	2480						
		Bluetooth(EDR) (2/3Mbps)	0	2402				16.5		
			19	2441						
			39	2480						
		Bluetooth(LE) (1Mbps)	0	2402		18.29			19.5	Yes
			19	2440		19.07				
			39	2480		17.14				
		Bluetooth(LE) (2Mbps)	0	2402		Not required		19.5	No	
			19	2440						
			39	2480						

Note(s):

For BT/BLE SISO SAR test, BLE(1Mbps) has highest time-based averaged power in all modes. So SAR test performed at (BLE1Mbps).

Bluetooth Dual(MIMO) output power Results

Band (GHz)	Antenna	Mode	Ch #	Freq. (MHz)	Maximum Allowed Average power (dBm)		SAR test						
					DSI = 0, 1, 2, 3								
					Meas Pwr	Tune-up Limit							
2.4	BT SISO Ant.G (PL11)	Bluetooth(BDR) (1Mbps)	0	2402	13.93	15.5	Yes						
			39	2441	14.90								
			78	2480	11.99								
		Bluetooth(EDR) (2/3Mbps)	0	2402	Not required			13.0	No				
			39	2441									
			78	2480									
		Bluetooth(LE) (1/2Mbps)	0	2402						15.5	No		
			39	2440									
			78	2480									
		BT SISO Ant.F (PL11)	Bluetooth(BDR) (1Mbps)	0				2402			14.36	15.5	Yes
				39				2441			15.17		
				78				2480			13.11		
	Bluetooth(EDR) (2/3Mbps)		0	2402		Not required	13.0	No					
			39	2441									
			78	2480									
	Bluetooth(LE) (1/2Mbps)		0	2402	15.0				No				
			39	2440									
			78	2480									

Note(s):

For BT/BLE Dual(MIMO) SAR test, BT(BDR-1Mbps) has highest time-based averaged power in all modes. So SAR test performed at BT(BDR-1Mbps).

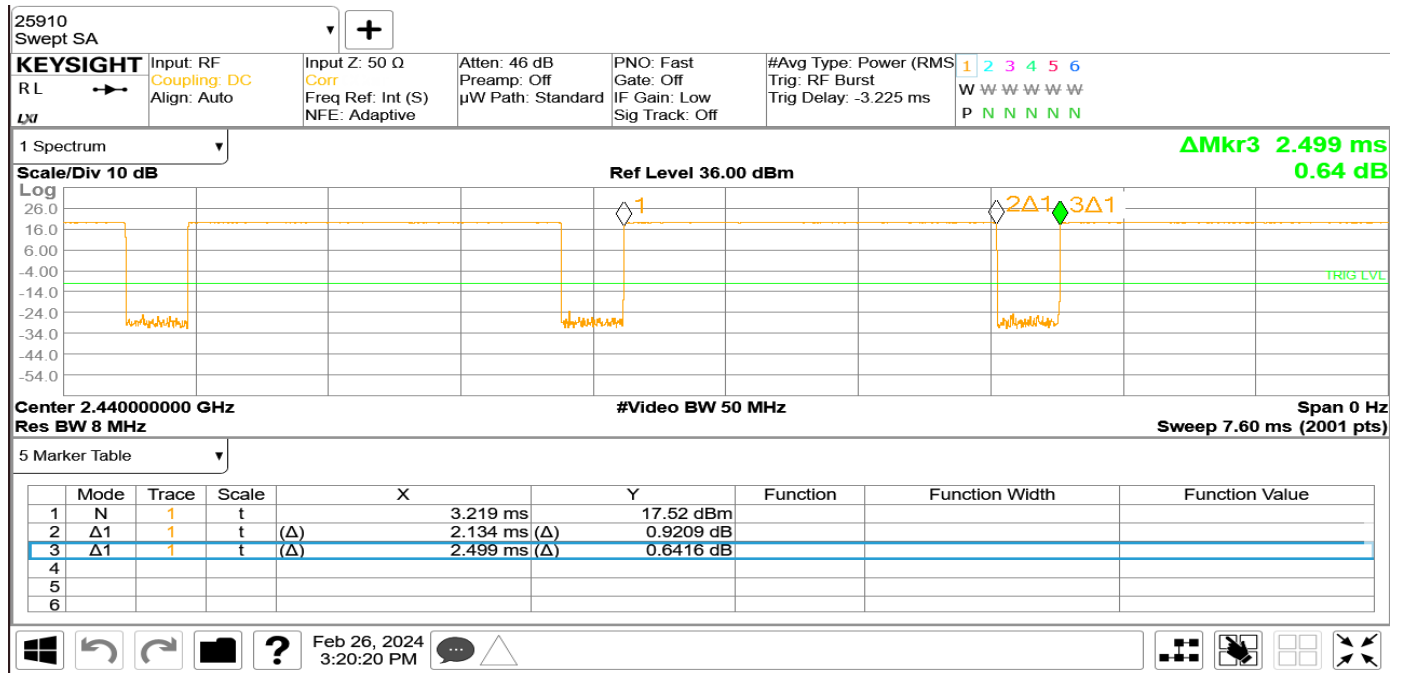
Duty Factor Measured Results

Mode	T on (ms)	Period (ms)	Maximum Duty Cycle	Measured Duty Cycle	Crest Factor (maximum duty/ measured duty cycle)
BLE-1M	2.134	2.499	87.00%	85.39%	1.02
BT-BDR	2.883	3.740	79.00%	77.09%	1.02

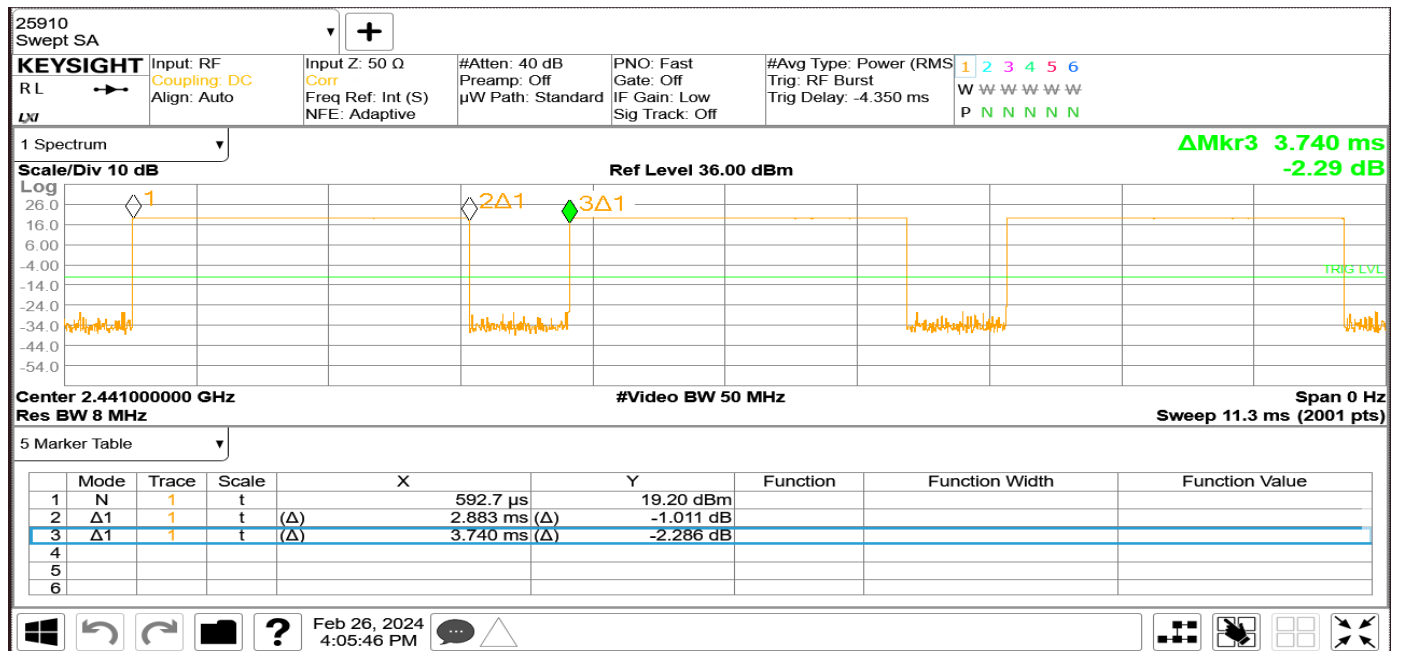
Note(s):

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

Duty Cycle plots (BLE-1M)



Duty Cycle plots (BT-BDR)



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 ≤ 25 mm from that surface or edge in direct contact with a flat phantom, to address interactive hand use exposure conditions. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; However, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold.

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

KDB 941225 D01 SAR test for 3G devices:

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

KDB 941225 D05 SAR for LTE Devices:

SAR test reduction is applied using the following criteria:

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

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

KDB 248227 D01 SAR meas for 802.11:

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

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

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

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

10.1. Folder Closed (Phablet) SAR Results

10.1.1. GSM 850

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A	Head	GPRS2 Slots	0	Left Touch	190	836.6	32.50	31.07	0.042	0.058	
Ant.A	Head	GPRS2 Slots	0	Left Tilt	190	836.6	32.50	31.07	0.041	0.057	
Ant.A	Head	GPRS2 Slots	0	Right Touch	190	836.6	32.50	31.07	0.055	0.076	
Ant.A	Head	GPRS2 Slots	0	Right Tilt	190	836.6	32.50	31.07	0.034	0.047	
Ant.A	Body-worn & Hotspot	GPRS2 Slots	10	Rear	190	836.6	32.50	31.07	0.190	0.264	1
Ant.A	Body-worn & Hotspot	GPRS2 Slots	10	Front	190	836.6	32.50	31.07	0.054	0.075	
Ant.A	Hotspot	GPRS2 Slots	10	Bottom	190	836.6	32.50	31.07	0.074	0.103	
Ant.A	Hotspot	GPRS2 Slots	10	Right	190	836.6	32.50	31.07	0.175	0.243	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A+B	Head	GPRS2 Slots	0	Left Touch	190	836.6	32.50	31.07	0.123	0.171	
Ant.A+B	Head	GPRS2 Slots	0	Left Tilt	190	836.6	32.50	31.07	0.091	0.126	
Ant.A+B	Head	GPRS2 Slots	0	Right Touch	190	836.6	32.50	31.07	0.179	0.249	2
Ant.A+B	Head	GPRS2 Slots	0	Right Tilt	190	836.6	32.50	31.07	0.087	0.120	
Ant.A+B	Body-worn & Hotspot	GPRS2 Slots	10	Rear	190	836.6	32.50	31.07	0.362	0.503	
Ant.A+B	Body-worn & Hotspot	GPRS2 Slots	10	Front	190	836.6	32.50	31.07	0.140	0.195	
Ant.A+B	Hotspot	GPRS2 Slots	10	Left	190	836.6	32.50	31.07	0.191	0.265	
Ant.A+B	Hotspot	GPRS2 Slots	10	Bottom	190	836.6	32.50	31.07	0.146	0.203	
Ant.A+B	Hotspot	GPRS2 Slots	10	Right	190	836.6	32.50	31.07	0.377	0.524	3

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.D	Head	GPRS2 Slots	0	Left Touch	190	836.6	32.50	30.84	0.149	0.218	4
Ant.D	Head	GPRS2 Slots	0	Left Tilt	190	836.6	32.50	30.84	0.111	0.163	
Ant.D	Head	GPRS2 Slots	0	Right Touch	190	836.6	32.50	30.84	0.073	0.107	
Ant.D	Head	GPRS2 Slots	0	Right Tilt	190	836.6	32.50	30.84	0.060	0.088	
Ant.D	Body-worn & Hotspot	GPRS2 Slots	10	Rear	190	836.6	32.50	30.84	0.247	0.362	5
Ant.D	Body-worn & Hotspot	GPRS2 Slots	10	Front	190	836.6	32.50	30.84	0.096	0.141	
Ant.D	Hotspot	GPRS2 Slots	10	Top	190	836.6	32.50	30.84	0.158	0.232	
Ant.D	Hotspot	GPRS2 Slots	10	Right	190	836.6	32.50	30.84	0.224	0.328	

10.1.2. GSM 1900

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.B	Head	GPRS3 Slots	0	Left Touch	512	1850.2	27.50	26.60	0.050	0.062	
Ant.B	Head	GPRS3 Slots	0	Left Tilt	512	1850.2	27.50	26.60	0.032	0.040	
Ant.B	Head	GPRS3 Slots	0	Right Touch	512	1850.2	27.50	26.60	0.061	0.075	6
Ant.B	Head	GPRS3 Slots	0	Right Tilt	512	1850.2	27.50	26.60	0.035	0.043	
Ant.B	Body-worn & Hotspot	GPRS4 Slots	10	Rear	661	1880.0	22.50	21.15	0.283	0.386	
Ant.B	Body-worn & Hotspot	GPRS4 Slots	10	Front	661	1880.0	22.50	21.15	0.086	0.118	
Ant.B	Hotspot	GPRS4 Slots	10	Left	661	1880.0	22.50	21.15	0.046	0.063	
Ant.B	Hotspot	GPRS4 Slots	10	Bottom	661	1880.0	22.50	21.15	0.423	0.577	7
Ant.B	Hotspot	GPRS4 Slots	10	Right	661	1880.0	22.50	21.15	0.082	0.111	

10.1.3. WCDMA Band II

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.B	Head	Rel 99RMC 12.2 kbps	0	Left Touch	9400	1880.0	24.80	23.65	0.064	0.084	
Ant.B	Head	Rel 99RMC 12.2 kbps	0	Left Tilt	9400	1880.0	24.80	23.65	0.055	0.072	
Ant.B	Head	Rel 99RMC 12.2 kbps	0	Right Touch	9400	1880.0	24.80	23.65	0.078	0.102	8
Ant.B	Head	Rel 99RMC 12.2 kbps	0	Right Tilt	9400	1880.0	24.80	23.65	0.054	0.070	
Ant.B	Body-worn & Hotspot	Rel 99RMC 12.2 kbps	10	Rear	9262	1852.4	20.00	19.50	0.740	0.830	
Ant.B	Body-worn & Hotspot	Rel 99RMC 12.2 kbps	10	Rear	9400	1880.0	20.00	19.38	0.712	0.823	
Ant.B	Body-worn & Hotspot	Rel 99RMC 12.2 kbps	10	Rear	9538	1907.6	20.00	19.51	0.755	0.845	
Ant.B	Body-worn & Hotspot	Rel 99RMC 12.2 kbps	10	Front	9400	1880.0	20.00	19.38	0.202	0.234	
Ant.B	Hotspot	Rel 99RMC 12.2 kbps	10	Left	9400	1880.0	20.00	19.38	0.083	0.096	
Ant.B	Hotspot	Rel 99RMC 12.2 kbps	10	Bottom	9262	1852.4	20.00	19.50	1.030	1.156	
Ant.B	Hotspot	Rel 99RMC 12.2 kbps	10	Bottom	9400	1880.0	20.00	19.37	1.010	1.168	
Ant.B	Hotspot	Rel 99RMC 12.2 kbps	10	Bottom	9538	1907.6	20.00	19.51	1.070	1.198	9
Ant.B	Hotspot	Rel 99RMC 12.2 kbps	10	Right	9400	1880.0	20.00	19.38	0.200	0.231	

10.1.4. WCDMA Band IV

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.B	Head	Rel 99RMC 12.2 kbps	0	Left Touch	1413	1732.6	24.50	23.41	0.096	0.123	
Ant.B	Head	Rel 99RMC 12.2 kbps	0	Left Tilt	1413	1732.6	24.50	23.41	0.077	0.099	
Ant.B	Head	Rel 99RMC 12.2 kbps	0	Right Touch	1413	1732.6	24.50	23.41	0.124	0.159	10
Ant.B	Head	Rel 99RMC 12.2 kbps	0	Right Tilt	1413	1732.6	24.50	23.41	0.103	0.132	
Ant.B	Body-worn & Hotspot	Rel 99RMC 12.2 kbps	10	Rear	1413	1732.6	20.00	19.07	0.597	0.740	
Ant.B	Body-worn & Hotspot	Rel 99RMC 12.2 kbps	10	Front	1413	1732.6	20.00	19.07	0.204	0.253	
Ant.B	Hotspot	Rel 99RMC 12.2 kbps	10	Left	1413	1732.6	20.00	19.07	0.080	0.098	
Ant.B	Hotspot	Rel 99RMC 12.2 kbps	10	Bottom	1312	1712.4	20.00	19.18	0.685	0.827	
Ant.B	Hotspot	Rel 99RMC 12.2 kbps	10	Bottom	1413	1732.6	20.00	19.07	0.750	0.929	
Ant.B	Hotspot	Rel 99RMC 12.2 kbps	10	Bottom	1513	1752.6	20.00	19.10	0.799	0.983	11
Ant.B	Hotspot	Rel 99RMC 12.2 kbps	10	Right	1413	1732.6	20.00	19.07	0.152	0.188	

10.1.5. WCDMA Band V

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A	Head	Rel 99RMC 12.2 kbps	0	Left Touch	4183	836.6	25.30	24.49	0.111	0.134	
Ant.A	Head	Rel 99RMC 12.2 kbps	0	Left Tilt	4183	836.6	25.30	24.49	0.105	0.127	
Ant.A	Head	Rel 99RMC 12.2 kbps	0	Right Touch	4183	836.6	25.30	24.49	0.130	0.157	
Ant.A	Head	Rel 99RMC 12.2 kbps	0	Right Tilt	4183	836.6	25.30	24.49	0.083	0.100	
Ant.A	Body-worn & Hotspot	Rel 99RMC 12.2 kbps	10	Rear	4183	836.6	25.30	24.49	0.381	0.459	12
Ant.A	Body-worn & Hotspot	Rel 99RMC 12.2 kbps	10	Front	4183	836.6	25.30	24.49	0.126	0.152	
Ant.A	Hotspot	Rel 99RMC 12.2 kbps	10	Bottom	4183	836.6	25.30	24.49	0.152	0.183	
Ant.A	Hotspot	Rel 99RMC 12.2 kbps	10	Right	4183	836.6	25.30	24.49	0.381	0.459	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A+B	Head	Rel 99RMC 12.2 kbps	0	Left Touch	4183	836.6	25.30	24.49	0.126	0.152	
Ant.A+B	Head	Rel 99RMC 12.2 kbps	0	Left Tilt	4183	836.6	25.30	24.49	0.093	0.113	
Ant.A+B	Head	Rel 99RMC 12.2 kbps	0	Right Touch	4183	836.6	25.30	24.49	0.176	0.212	13
Ant.A+B	Head	Rel 99RMC 12.2 kbps	0	Right Tilt	4183	836.6	25.30	24.49	0.092	0.111	
Ant.A+B	Body-worn & Hotspot	Rel 99RMC 12.2 kbps	10	Rear	4183	836.6	25.30	24.49	0.368	0.443	
Ant.A+B	Body-worn & Hotspot	Rel 99RMC 12.2 kbps	10	Front	4183	836.6	25.30	24.49	0.157	0.189	
Ant.A+B	Hotspot	Rel 99RMC 12.2 kbps	10	Left	4183	836.6	25.30	24.49	0.188	0.227	
Ant.A+B	Hotspot	Rel 99RMC 12.2 kbps	10	Bottom	4183	836.6	25.30	24.49	0.130	0.157	
Ant.A+B	Hotspot	Rel 99RMC 12.2 kbps	10	Right	4183	836.6	25.30	24.49	0.407	0.490	14

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.D	Head	Rel 99RMC 12.2 kbps	0	Left Touch	4183	836.6	25.30	24.46	0.189	0.229	15
Ant.D	Head	Rel 99RMC 12.2 kbps	0	Left Tilt	4183	836.6	25.30	24.46	0.146	0.177	
Ant.D	Head	Rel 99RMC 12.2 kbps	0	Right Touch	4183	836.6	25.30	24.46	0.102	0.124	
Ant.D	Head	Rel 99RMC 12.2 kbps	0	Right Tilt	4183	836.6	25.30	24.46	0.092	0.112	
Ant.D	Body-worn & Hotspot	Rel 99RMC 12.2 kbps	10	Rear	4183	836.6	25.30	24.46	0.260	0.315	16
Ant.D	Body-worn & Hotspot	Rel 99RMC 12.2 kbps	10	Front	4183	836.6	25.30	24.46	0.097	0.118	
Ant.D	Hotspot	Rel 99RMC 12.2 kbps	10	Top	4183	836.6	25.30	24.46	0.171	0.207	
Ant.D	Hotspot	Rel 99RMC 12.2 kbps	10	Right	4183	836.6	25.30	24.46	0.212	0.257	

10.1.6. LTE Band 5 (10MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A	Head	QPSK	0	Left Touch	20525	836.5	1	25	25.50	24.56	0.096	0.119	
Ant.A	Head	QPSK	0	Left Touch	20525	836.5	25	12	24.50	23.61	0.085	0.104	
Ant.A	Head	QPSK	0	Left Tilt	20525	836.5	1	25	25.50	24.56	0.084	0.104	
Ant.A	Head	QPSK	0	Left Tilt	20525	836.5	25	12	24.50	23.61	0.076	0.093	
Ant.A	Head	QPSK	0	Right Touch	20525	836.5	1	25	25.50	24.56	0.134	0.166	
Ant.A	Head	QPSK	0	Right Touch	20525	836.5	25	12	24.50	23.61	0.111	0.136	
Ant.A	Head	QPSK	0	Right Tilt	20525	836.5	1	25	25.50	24.56	0.069	0.086	
Ant.A	Head	QPSK	0	Right Tilt	20525	836.5	25	12	24.50	23.61	0.061	0.075	
Ant.A	Body-worn & Hotspot	QPSK	10	Rear	20525	836.5	1	25	25.50	24.56	0.382	0.474	17
Ant.A	Body-worn & Hotspot	QPSK	10	Rear	20525	836.5	25	12	24.50	23.61	0.335	0.411	
Ant.A	Body-worn & Hotspot	QPSK	10	Front	20525	836.5	1	25	25.50	24.56	0.119	0.148	
Ant.A	Body-worn & Hotspot	QPSK	10	Front	20525	836.5	25	12	24.50	23.61	0.100	0.123	
Ant.A	Hotspot	QPSK	10	Bottom	20525	836.5	1	25	25.50	24.56	0.141	0.175	
Ant.A	Hotspot	QPSK	10	Bottom	20525	836.5	25	12	24.50	23.61	0.113	0.139	
Ant.A	Hotspot	QPSK	10	Right	20525	836.5	1	25	25.50	24.56	0.379	0.471	
Ant.A	Hotspot	QPSK	10	Right	20525	836.5	25	12	24.50	23.61	0.297	0.365	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A+B	Head	QPSK	0	Left Touch	20525	836.5	1	25	25.50	24.56	0.101	0.125	
Ant.A+B	Head	QPSK	0	Left Touch	20525	836.5	25	12	24.50	23.61	0.096	0.118	
Ant.A+B	Head	QPSK	0	Left Tilt	20525	836.5	1	25	25.50	24.56	0.080	0.099	
Ant.A+B	Head	QPSK	0	Left Tilt	20525	836.5	25	12	24.50	23.61	0.063	0.077	
Ant.A+B	Head	QPSK	0	Right Touch	20525	836.5	1	25	25.50	24.56	0.147	0.183	18
Ant.A+B	Head	QPSK	0	Right Touch	20525	836.5	25	12	24.50	23.61	0.117	0.144	
Ant.A+B	Head	QPSK	0	Right Tilt	20525	836.5	1	25	25.50	24.56	0.089	0.111	
Ant.A+B	Head	QPSK	0	Right Tilt	20525	836.5	25	12	24.50	23.61	0.071	0.087	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Rear	20525	836.5	1	25	25.50	24.56	0.405	0.503	19
Ant.A+B	Body-worn & Hotspot	QPSK	10	Rear	20525	836.5	25	12	24.50	23.61	0.328	0.403	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Front	20525	836.5	1	25	25.50	24.56	0.167	0.207	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Front	20525	836.5	25	12	24.50	23.61	0.137	0.168	
Ant.A+B	Hotspot	QPSK	10	Left	20525	836.5	1	25	25.50	24.56	0.142	0.176	
Ant.A+B	Hotspot	QPSK	10	Left	20525	836.5	25	12	24.50	23.61	0.119	0.146	
Ant.A+B	Hotspot	QPSK	10	Bottom	20525	836.5	1	25	25.50	24.56	0.153	0.190	
Ant.A+B	Hotspot	QPSK	10	Bottom	20525	836.5	25	12	24.50	23.61	0.125	0.153	
Ant.A+B	Hotspot	QPSK	10	Right	20525	836.5	1	25	25.50	24.56	0.323	0.401	
Ant.A+B	Hotspot	QPSK	10	Right	20525	836.5	25	12	24.50	23.61	0.263	0.323	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.D	Head	QPSK	0	Left Touch	20525	836.5	1	25	25.50	24.61	0.186	0.228	20
Ant.D	Head	QPSK	0	Left Touch	20525	836.5	25	25	24.50	23.65	0.144	0.175	
Ant.D	Head	QPSK	0	Left Tilt	20525	836.5	1	25	25.50	24.61	0.130	0.160	
Ant.D	Head	QPSK	0	Left Tilt	20525	836.5	25	25	24.50	23.65	0.107	0.130	
Ant.D	Head	QPSK	0	Right Touch	20525	836.5	1	25	25.50	24.61	0.100	0.123	
Ant.D	Head	QPSK	0	Right Touch	20525	836.5	25	25	24.50	23.65	0.077	0.094	
Ant.D	Head	QPSK	0	Right Tilt	20525	836.5	1	25	25.50	24.61	0.078	0.096	
Ant.D	Head	QPSK	0	Right Tilt	20525	836.5	25	25	24.50	23.65	0.061	0.074	
Ant.D	Body-worn & Hotspot	QPSK	10	Rear	20525	836.5	1	25	25.50	24.61	0.255	0.313	21
Ant.D	Body-worn & Hotspot	QPSK	10	Rear	20525	836.5	25	25	24.50	23.65	0.215	0.261	
Ant.D	Body-worn & Hotspot	QPSK	10	Front	20525	836.5	1	25	25.50	24.61	0.087	0.107	
Ant.D	Body-worn & Hotspot	QPSK	10	Front	20525	836.5	25	25	24.50	23.65	0.055	0.067	
Ant.D	Hotspot	QPSK	10	Top	20525	836.5	1	25	25.50	24.61	0.150	0.184	
Ant.D	Hotspot	QPSK	10	Top	20525	836.5	25	25	24.50	23.65	0.117	0.142	
Ant.D	Hotspot	QPSK	10	Right	20525	836.5	1	25	25.50	24.61	0.205	0.252	
Ant.D	Hotspot	QPSK	10	Right	20525	836.5	25	25	24.50	23.65	0.169	0.206	

10.1.7. LTE Band 7 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.B	Head	QPSK	0	Left Touch	21100	2535.0	1	0	25.00	24.45	0.084	0.095	
Ant.B	Head	QPSK	0	Left Touch	21100	2535.0	50	0	24.00	23.49	0.067	0.075	
Ant.B	Head	QPSK	0	Left Tilt	21100	2535.0	1	0	25.00	24.45	0.063	0.071	
Ant.B	Head	QPSK	0	Left Tilt	21100	2535.0	50	0	24.00	23.49	0.037	0.042	
Ant.B	Head	QPSK	0	Right Touch	21100	2535.0	1	0	25.00	24.45	0.145	0.165	22
Ant.B	Head	QPSK	0	Right Touch	21100	2535.0	50	0	24.00	23.49	0.100	0.112	
Ant.B	Head	QPSK	0	Right Tilt	21100	2535.0	1	0	25.00	24.45	0.035	0.040	
Ant.B	Head	QPSK	0	Right Tilt	21100	2535.0	50	0	24.00	23.49	0.024	0.026	
Ant.B	Body-worn & Hotspot	QPSK	10	Rear	21100	2535.0	1	0	19.00	18.20	0.618	0.743	
Ant.B	Body-worn & Hotspot	QPSK	10	Rear	21100	2535.0	50	0	19.00	18.25	0.627	0.745	
Ant.B	Body-worn & Hotspot	QPSK	10	Front	21100	2535.0	1	0	19.00	18.20	0.103	0.124	
Ant.B	Body-worn & Hotspot	QPSK	10	Front	21100	2535.0	50	0	19.00	18.25	0.104	0.124	
Ant.B	Hotspot	QPSK	10	Left	21100	2535.0	1	0	19.00	18.20	0.031	0.037	
Ant.B	Hotspot	QPSK	10	Left	21100	2535.0	50	0	19.00	18.25	0.031	0.037	
Ant.B	Hotspot	QPSK	10	Bottom	20850	2510.0	1	0	19.00	18.11	0.699	0.858	
Ant.B	Hotspot	QPSK	10	Bottom	20850	2510.0	50	0	19.00	18.15	0.708	0.861	
Ant.B	Hotspot	QPSK	10	Bottom	20850	2510.0	100	0	19.00	18.25	0.689	0.819	
Ant.B	Hotspot	QPSK	10	Bottom	21100	2535.0	1	0	19.00	18.20	0.723	0.869	
Ant.B	Hotspot	QPSK	10	Bottom	21100	2535.0	50	0	19.00	18.25	0.727	0.864	
Ant.B	Hotspot	QPSK	10	Bottom	21350	2560.0	1	0	19.00	18.03	0.735	0.919	
Ant.B	Hotspot	QPSK	10	Bottom	21350	2560.0	50	0	19.00	18.05	0.742	0.923	23
Ant.B	Hotspot	QPSK	10	Right	21100	2535.0	1	0	19.00	18.20	0.070	0.084	
Ant.B	Hotspot	QPSK	10	Right	21100	2535.0	50	0	19.00	18.25	0.074	0.088	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.E	Head	QPSK	0	Left Touch	21100	2535.0	1	99	25.00	23.79	0.362	0.478	
Ant.E	Head	QPSK	0	Left Touch	21100	2535.0	50	50	24.00	22.86	0.290	0.377	
Ant.E	Head	QPSK	0	Left Tilt	21100	2535.0	1	99	25.00	23.79	0.403	0.532	
Ant.E	Head	QPSK	0	Left Tilt	21100	2535.0	50	50	24.00	22.86	0.298	0.387	
Ant.E	Head	QPSK	0	Right Touch	21100	2535.0	1	99	25.00	23.79	0.412	0.544	
Ant.E	Head	QPSK	0	Right Touch	21100	2535.0	50	50	24.00	22.86	0.335	0.436	
Ant.E	Head	QPSK	0	Right Tilt	21100	2535.0	1	99	25.00	23.74	0.517	0.683	24
Ant.E	Head	QPSK	0	Right Tilt	21100	2535.0	50	50	25.00	23.79	0.423	0.550	
Ant.E	Body-worn & Hotspot	QPSK	10	Rear	21100	2535.0	1	99	20.00	18.54	0.198	0.277	
Ant.E	Body-worn & Hotspot	QPSK	10	Rear	21100	2535.0	50	50	20.00	18.62	0.200	0.275	
Ant.E	Body-worn & Hotspot	QPSK	10	Front	21100	2535.0	1	99	20.00	18.54	0.043	0.060	
Ant.E	Body-worn & Hotspot	QPSK	10	Front	21100	2535.0	50	50	20.00	18.62	0.039	0.054	
Ant.E	Hotspot	QPSK	10	Top	21100	2535.0	1	99	20.00	18.54	0.284	0.397	
Ant.E	Hotspot	QPSK	10	Top	21100	2535.0	50	50	20.00	18.62	0.298	0.409	25
Ant.E	Hotspot	QPSK	10	Left	21100	2535.0	1	99	20.00	18.54	0.062	0.087	
Ant.E	Hotspot	QPSK	10	Left	21100	2535.0	50	50	20.00	18.62	0.064	0.088	

10.1.8. LTE Band 12 (10MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)
Ant.A	Head	QPSK	0	Left Touch	23095	707.5	1	0	25.20	24.20	0.116
Ant.A	Head	QPSK	0	Left Touch	23095	707.5	25	0	24.20	23.24	0.094
Ant.A	Head	QPSK	0	Left Tilt	23095	707.5	1	0	25.20	24.20	0.082
Ant.A	Head	QPSK	0	Left Tilt	23095	707.5	25	0	24.20	23.24	0.065
Ant.A	Head	QPSK	0	Right Touch	23095	707.5	1	0	25.20	24.20	0.150
Ant.A	Head	QPSK	0	Right Touch	23095	707.5	25	0	24.20	23.24	0.123
Ant.A	Head	QPSK	0	Right Tilt	23095	707.5	1	0	25.20	24.20	0.065
Ant.A	Head	QPSK	0	Right Tilt	23095	707.5	25	0	24.20	23.24	0.052
Ant.A	Body-worn & Hotspot	QPSK	10	Rear	23095	707.5	1	0	25.20	24.20	0.270
Ant.A	Body-worn & Hotspot	QPSK	10	Rear	23095	707.5	25	0	24.20	23.24	0.217
Ant.A	Body-worn & Hotspot	QPSK	10	Front	23095	707.5	1	0	25.20	24.20	0.165
Ant.A	Body-worn & Hotspot	QPSK	10	Front	23095	707.5	25	0	24.20	23.24	0.131
Ant.A	Hotspot	QPSK	10	Bottom	23095	707.5	1	0	25.20	24.20	0.093
Ant.A	Hotspot	QPSK	10	Bottom	23095	707.5	25	0	24.20	23.24	0.075
Ant.A	Hotspot	QPSK	10	Right	23095	707.5	1	0	25.20	24.20	0.299
Ant.A	Hotspot	QPSK	10	Right	23095	707.5	25	0	24.20	23.24	0.237

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A+B	Head	QPSK	0	Left Touch	23095	707.5	1	0	25.20	24.20	0.109	0.137	
Ant.A+B	Head	QPSK	0	Left Touch	23095	707.5	25	0	24.20	23.24	0.085	0.106	
Ant.A+B	Head	QPSK	0	Left Tilt	23095	707.5	1	0	25.20	24.20	0.058	0.073	
Ant.A+B	Head	QPSK	0	Left Tilt	23095	707.5	25	0	24.20	23.24	0.044	0.055	
Ant.A+B	Head	QPSK	0	Right Touch	23095	707.5	1	0	25.20	24.20	0.141	0.178	27
Ant.A+B	Head	QPSK	0	Right Touch	23095	707.5	25	0	24.20	23.24	0.111	0.138	
Ant.A+B	Head	QPSK	0	Right Tilt	23095	707.5	1	0	25.20	24.20	0.075	0.094	
Ant.A+B	Head	QPSK	0	Right Tilt	23095	707.5	25	0	24.20	23.24	0.021	0.026	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Rear	23095	707.5	1	0	25.20	24.20	0.268	0.337	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Rear	23095	707.5	25	0	25.20	23.24	0.215	0.338	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Front	23095	707.5	1	0	25.20	24.20	0.143	0.180	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Front	23095	707.5	25	0	25.20	23.24	0.118	0.185	
Ant.A+B	Hotspot	QPSK	10	Left	23095	707.5	1	0	25.20	24.20	0.127	0.160	
Ant.A+B	Hotspot	QPSK	10	Left	23095	707.5	25	0	25.20	23.24	0.111	0.174	
Ant.A+B	Hotspot	QPSK	10	Bottom	23095	707.5	1	0	25.20	24.20	0.129	0.162	
Ant.A+B	Hotspot	QPSK	10	Bottom	23095	707.5	25	0	25.20	23.24	0.103	0.162	
Ant.A+B	Hotspot	QPSK	10	Right	23095	707.5	1	0	25.20	24.20	0.351	0.442	28
Ant.A+B	Hotspot	QPSK	10	Right	23095	707.5	25	0	25.20	23.24	0.277	0.435	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.D	Head	QPSK	0	Left Touch	23095	707.5	1	0	25.20	24.41	0.288	0.345	29
Ant.D	Head	QPSK	0	Left Touch	23095	707.5	25	0	24.20	23.44	0.195	0.232	
Ant.D	Head	QPSK	0	Left Tilt	23095	707.5	1	0	25.20	24.41	0.151	0.181	
Ant.D	Head	QPSK	0	Left Tilt	23095	707.5	25	0	24.20	23.44	0.102	0.122	
Ant.D	Head	QPSK	0	Right Touch	23095	707.5	1	0	25.20	24.41	0.116	0.139	
Ant.D	Head	QPSK	0	Right Touch	23095	707.5	25	0	24.20	23.44	0.091	0.108	
Ant.D	Head	QPSK	0	Right Tilt	23095	707.5	1	0	25.20	24.41	0.069	0.083	
Ant.D	Head	QPSK	0	Right Tilt	23095	707.5	25	0	24.20	23.44	0.056	0.067	
Ant.D	Body-worn & Hotspot	QPSK	10	Rear	23095	707.5	1	0	25.20	24.41	0.226	0.271	
Ant.D	Body-worn & Hotspot	QPSK	10	Rear	23095	707.5	25	0	24.20	23.44	0.172	0.205	
Ant.D	Body-worn & Hotspot	QPSK	10	Front	23095	707.5	1	0	25.20	24.41	0.084	0.101	
Ant.D	Body-worn & Hotspot	QPSK	10	Front	23095	707.5	25	0	24.20	23.44	0.068	0.081	
Ant.D	Hotspot	QPSK	10	Top	23095	707.5	1	0	25.20	24.41	0.133	0.160	
Ant.D	Hotspot	QPSK	10	Top	23095	707.5	25	0	24.20	23.44	0.101	0.120	
Ant.D	Hotspot	QPSK	10	Right	23095	707.5	1	0	25.20	24.41	0.255	0.306	30
Ant.D	Hotspot	QPSK	10	Right	23095	707.5	25	0	24.20	23.44	0.200	0.238	

10.1.9. LTE Band 13 (10MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A	Head	QPSK	0	Left Touch	23230	782.0	1	25	25.50	24.87	0.084	0.097	
Ant.A	Head	QPSK	0	Left Touch	23230	782.0	25	12	24.50	23.93	0.068	0.078	
Ant.A	Head	QPSK	0	Left Tilt	23230	782.0	1	25	25.50	24.87	0.085	0.098	
Ant.A	Head	QPSK	0	Left Tilt	23230	782.0	25	12	24.50	23.93	0.063	0.072	
Ant.A	Head	QPSK	0	Right Touch	23230	782.0	1	25	25.50	24.87	0.095	0.110	
Ant.A	Head	QPSK	0	Right Touch	23230	782.0	25	12	24.50	23.93	0.079	0.090	
Ant.A	Head	QPSK	0	Right Tilt	23230	782.0	1	25	25.50	24.87	0.062	0.072	
Ant.A	Head	QPSK	0	Right Tilt	23230	782.0	25	12	24.50	23.93	0.050	0.057	
Ant.A	Body-worn & Hotspot	QPSK	10	Rear	23230	782.0	1	25	25.50	24.87	0.303	0.350	
Ant.A	Body-worn & Hotspot	QPSK	10	Rear	23230	782.0	25	12	24.50	23.93	0.245	0.279	
Ant.A	Body-worn & Hotspot	QPSK	10	Front	23230	782.0	1	25	25.50	24.87	0.133	0.154	
Ant.A	Body-worn & Hotspot	QPSK	10	Front	23230	782.0	25	12	24.50	23.93	0.111	0.127	
Ant.A	Hotspot	QPSK	10	Bottom	23230	782.0	1	25	25.50	24.87	0.113	0.131	
Ant.A	Hotspot	QPSK	10	Bottom	23230	782.0	25	12	24.50	23.93	0.090	0.103	
Ant.A	Hotspot	QPSK	10	Right	23230	782.0	1	25	25.50	24.87	0.345	0.399	31
Ant.A	Hotspot	QPSK	10	Right	23230	782.0	25	12	24.50	23.93	0.276	0.315	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A+B	Head	QPSK	0	Left Touch	23230	782.0	1	25	25.50	24.87	0.087	0.101	
Ant.A+B	Head	QPSK	0	Left Touch	23230	782.0	25	12	24.50	23.93	0.075	0.086	
Ant.A+B	Head	QPSK	0	Left Tilt	23230	782.0	1	25	25.50	24.87	0.059	0.068	
Ant.A+B	Head	QPSK	0	Left Tilt	23230	782.0	25	12	24.50	23.93	0.048	0.055	
Ant.A+B	Head	QPSK	0	Right Touch	23230	782.0	1	25	25.50	24.87	0.101	0.117	32
Ant.A+B	Head	QPSK	0	Right Touch	23230	782.0	25	12	24.50	23.93	0.080	0.091	
Ant.A+B	Head	QPSK	0	Right Tilt	23230	782.0	1	25	25.50	24.87	0.070	0.081	
Ant.A+B	Head	QPSK	0	Right Tilt	23230	782.0	25	12	24.50	23.93	0.055	0.063	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Rear	23230	782.0	1	25	25.50	24.87	0.293	0.339	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Rear	23230	782.0	25	12	25.50	23.93	0.293	0.421	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Front	23230	782.0	1	25	25.50	24.87	0.114	0.132	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Front	23230	782.0	25	12	25.50	23.93	0.093	0.134	
Ant.A+B	Hotspot	QPSK	10	Left	23230	782.0	1	25	25.50	24.87	0.133	0.154	
Ant.A+B	Hotspot	QPSK	10	Left	23230	782.0	25	12	25.50	23.93	0.108	0.155	
Ant.A+B	Hotspot	QPSK	10	Bottom	23230	782.0	1	25	25.50	24.87	0.102	0.118	
Ant.A+B	Hotspot	QPSK	10	Bottom	23230	782.0	25	12	25.50	23.93	0.091	0.131	
Ant.A+B	Hotspot	QPSK	10	Right	23230	782.0	1	25	25.50	24.87	0.368	0.425	
Ant.A+B	Hotspot	QPSK	10	Right	23230	782.0	25	12	25.50	23.93	0.302	0.434	33

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.D	Head	QPSK	0	Left Touch	23230	782.0	1	25	25.50	24.60	0.231	0.284	34
Ant.D	Head	QPSK	0	Left Touch	23230	782.0	25	0	24.50	23.66	0.063	0.076	
Ant.D	Head	QPSK	0	Left Tilt	23230	782.0	1	25	25.50	24.60	0.057	0.070	
Ant.D	Head	QPSK	0	Left Tilt	23230	782.0	25	0	24.50	23.66	0.043	0.052	
Ant.D	Head	QPSK	0	Right Touch	23230	782.0	1	25	25.50	24.60	0.050	0.062	
Ant.D	Head	QPSK	0	Right Touch	23230	782.0	25	0	24.50	23.66	0.038	0.046	
Ant.D	Head	QPSK	0	Right Tilt	23230	782.0	1	25	25.50	24.60	0.039	0.048	
Ant.D	Head	QPSK	0	Right Tilt	23230	782.0	25	0	24.50	23.66	0.029	0.035	
Ant.D	Body-worn & Hotspot	QPSK	10	Rear	23230	782.0	1	25	25.50	24.60	0.130	0.160	
Ant.D	Body-worn & Hotspot	QPSK	10	Rear	23230	782.0	25	0	24.50	23.66	0.108	0.131	
Ant.D	Body-worn & Hotspot	QPSK	10	Front	23230	782.0	1	25	25.50	24.60	0.055	0.068	
Ant.D	Body-worn & Hotspot	QPSK	10	Front	23230	782.0	25	0	24.50	23.66	0.044	0.053	
Ant.D	Hotspot	QPSK	10	Top	23230	782.0	1	25	25.50	24.60	0.069	0.085	
Ant.D	Hotspot	QPSK	10	Top	23230	782.0	25	0	24.50	23.66	0.053	0.064	
Ant.D	Hotspot	QPSK	10	Right	23230	782.0	1	25	25.50	24.60	0.143	0.176	35
Ant.D	Hotspot	QPSK	10	Right	23230	782.0	25	0	24.50	23.66	0.109	0.132	

10.1.10. LTE Band 14 (10MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A	Head	QPSK	0	Left Touch	23330	793.0	1	0	25.50	24.74	0.083	0.099	
Ant.A	Head	QPSK	0	Left Touch	23330	793.0	25	0	24.50	23.75	0.062	0.074	
Ant.A	Head	QPSK	0	Left Tilt	23330	793.0	1	0	25.50	24.74	0.072	0.086	
Ant.A	Head	QPSK	0	Left Tilt	23330	793.0	25	0	24.50	23.75	0.058	0.069	
Ant.A	Head	QPSK	0	Right Touch	23330	793.0	1	0	25.50	24.74	0.096	0.114	
Ant.A	Head	QPSK	0	Right Touch	23330	793.0	25	0	24.50	23.75	0.075	0.089	
Ant.A	Head	QPSK	0	Right Tilt	23330	793.0	1	0	25.50	24.74	0.059	0.070	
Ant.A	Head	QPSK	0	Right Tilt	23330	793.0	25	0	24.50	23.75	0.046	0.055	
Ant.A	Body-worn & Hotspot	QPSK	10	Rear	23330	793.0	1	0	25.50	24.74	0.277	0.330	
Ant.A	Body-worn & Hotspot	QPSK	10	Rear	23330	793.0	25	0	24.50	23.75	0.233	0.277	
Ant.A	Body-worn & Hotspot	QPSK	10	Front	23330	793.0	1	0	25.50	24.74	0.118	0.141	
Ant.A	Body-worn & Hotspot	QPSK	10	Front	23330	793.0	25	0	24.50	23.75	0.092	0.109	
Ant.A	Hotspot	QPSK	10	Bottom	23330	793.0	1	0	25.50	24.74	0.089	0.106	
Ant.A	Hotspot	QPSK	10	Bottom	23330	793.0	25	0	24.50	23.75	0.071	0.084	
Ant.A	Hotspot	QPSK	10	Right	23330	793.0	1	0	25.50	24.74	0.332	0.395	36
Ant.A	Hotspot	QPSK	10	Right	23330	793.0	25	0	24.50	23.75	0.263	0.313	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A+B	Head	QPSK	0	Left Touch	23330	793.0	1	0	25.50	24.74	0.088	0.105	
Ant.A+B	Head	QPSK	0	Left Touch	23330	793.0	25	0	24.50	23.75	0.067	0.080	
Ant.A+B	Head	QPSK	0	Left Tilt	23330	793.0	1	0	25.50	24.74	0.064	0.076	
Ant.A+B	Head	QPSK	0	Left Tilt	23330	793.0	25	0	24.50	23.75	0.050	0.059	
Ant.A+B	Head	QPSK	0	Right Touch	23330	793.0	1	0	25.50	24.74	0.099	0.118	37
Ant.A+B	Head	QPSK	0	Right Touch	23330	793.0	25	0	24.50	23.75	0.078	0.093	
Ant.A+B	Head	QPSK	0	Right Tilt	23330	793.0	1	0	25.50	24.74	0.066	0.079	
Ant.A+B	Head	QPSK	0	Right Tilt	23330	793.0	25	0	24.50	23.75	0.017	0.020	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Rear	23330	793.0	1	0	25.50	24.74	0.293	0.349	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Rear	23330	793.0	25	0	25.50	23.75	0.239	0.358	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Front	23330	793.0	1	0	25.50	24.74	0.113	0.135	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Front	23330	793.0	25	0	25.50	23.75	0.092	0.138	
Ant.A+B	Hotspot	QPSK	10	Left	23330	793.0	1	0	25.50	24.74	0.137	0.163	
Ant.A+B	Hotspot	QPSK	10	Left	23330	793.0	25	0	25.50	23.75	0.113	0.169	
Ant.A+B	Hotspot	QPSK	10	Bottom	23330	793.0	1	0	25.50	24.74	0.133	0.158	
Ant.A+B	Hotspot	QPSK	10	Bottom	23330	793.0	25	0	25.50	23.75	0.106	0.159	
Ant.A+B	Hotspot	QPSK	10	Right	23330	793.0	1	0	25.50	24.74	0.343	0.409	
Ant.A+B	Hotspot	QPSK	10	Right	23330	793.0	25	0	25.50	23.75	0.279	0.417	38

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.D	Head	QPSK	0	Left Touch	23330	793.0	1	0	25.50	24.54	0.110	0.137	39
Ant.D	Head	QPSK	0	Left Touch	23330	793.0	25	0	24.50	23.55	0.097	0.121	
Ant.D	Head	QPSK	0	Left Tilt	23330	793.0	1	0	25.50	24.54	0.090	0.112	
Ant.D	Head	QPSK	0	Left Tilt	23330	793.0	25	0	24.50	23.55	0.073	0.091	
Ant.D	Head	QPSK	0	Right Touch	23330	793.0	1	0	25.50	24.54	0.073	0.091	
Ant.D	Head	QPSK	0	Right Touch	23330	793.0	25	0	24.50	23.55	0.057	0.071	
Ant.D	Head	QPSK	0	Right Tilt	23330	793.0	1	0	25.50	24.54	0.058	0.072	
Ant.D	Head	QPSK	0	Right Tilt	23330	793.0	25	0	24.50	23.55	0.045	0.056	
Ant.D	Body-worn & Hotspot	QPSK	10	Rear	23330	793.0	1	0	25.50	24.54	0.236	0.294	40
Ant.D	Body-worn & Hotspot	QPSK	10	Rear	23330	793.0	25	0	24.50	23.55	0.159	0.198	
Ant.D	Body-worn & Hotspot	QPSK	10	Front	23330	793.0	1	0	25.50	24.54	0.070	0.087	
Ant.D	Body-worn & Hotspot	QPSK	10	Front	23330	793.0	25	0	24.50	23.55	0.056	0.070	
Ant.D	Hotspot	QPSK	10	Top	23330	793.0	1	0	25.50	24.54	0.116	0.145	
Ant.D	Hotspot	QPSK	10	Top	23330	793.0	25	0	24.50	23.55	0.089	0.111	
Ant.D	Hotspot	QPSK	10	Right	23330	793.0	1	0	25.50	24.54	0.208	0.259	
Ant.D	Hotspot	QPSK	10	Right	23330	793.0	25	0	24.50	23.55	0.154	0.192	

10.1.11. LTE Band 25 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.B	Head	QPSK	0	Left Touch	26140	1860.0	1	0	25.00	24.07	0.083	0.102	
Ant.B	Head	QPSK	0	Left Touch	26140	1860.0	50	24	24.00	23.09	0.064	0.079	
Ant.B	Head	QPSK	0	Left Tilt	26140	1860.0	1	0	25.00	24.07	0.071	0.087	
Ant.B	Head	QPSK	0	Left Tilt	26140	1860.0	50	24	24.00	23.09	0.053	0.066	
Ant.B	Head	QPSK	0	Right Touch	26140	1860.0	1	0	25.00	24.07	0.109	0.135	41
Ant.B	Head	QPSK	0	Right Touch	26140	1860.0	50	24	24.00	23.09	0.080	0.099	
Ant.B	Head	QPSK	0	Right Tilt	26140	1860.0	1	0	25.00	24.07	0.088	0.109	
Ant.B	Head	QPSK	0	Right Tilt	26140	1860.0	50	24	24.00	23.09	0.061	0.075	
Ant.B	Body-worn & Hotspot	QPSK	10	Rear	26140	1860.0	1	0	20.00	19.09	0.622	0.767	
Ant.B	Body-worn & Hotspot	QPSK	10	Rear	26140	1860.0	50	24	20.00	19.13	0.509	0.622	
Ant.B	Body-worn & Hotspot	QPSK	10	Front	26140	1860.0	1	0	20.00	19.09	0.210	0.259	
Ant.B	Body-worn & Hotspot	QPSK	10	Front	26140	1860.0	50	24	20.00	19.13	0.210	0.257	
Ant.B	Hotspot	QPSK	10	Left	26140	1860.0	1	0	20.00	19.09	0.085	0.105	
Ant.B	Hotspot	QPSK	10	Left	26140	1860.0	50	24	20.00	19.13	0.085	0.104	
Ant.B	Hotspot	QPSK	10	Bottom	26140	1860.0	1	0	20.00	19.09	0.897	1.106	
Ant.B	Hotspot	QPSK	10	Bottom	26140	1860.0	50	24	20.00	19.13	0.912	1.114	
Ant.B	Hotspot	QPSK	10	Bottom	26140	1860.0	100	0	20.00	19.07	0.881	1.091	
Ant.B	Hotspot	QPSK	10	Bottom	26365	1882.5	1	0	20.00	19.00	0.872	1.098	
Ant.B	Hotspot	QPSK	10	Bottom	26365	1882.5	50	24	20.00	19.06	0.877	1.089	
Ant.B	Hotspot	QPSK	10	Bottom	26590	1905.0	1	0	20.00	18.95	0.876	1.116	
Ant.B	Hotspot	QPSK	10	Bottom	26590	1905.0	50	24	20.00	18.96	0.897	1.140	42
Ant.B	Hotspot	QPSK	10	Right	26140	1860.0	1	0	20.00	19.09	0.172	0.212	
Ant.B	Hotspot	QPSK	10	Right	26140	1860.0	50	24	20.00	19.13	0.180	0.220	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.E	Head	QPSK	0	Left Touch	26140	1860.0	1	0	23.50	22.12	0.475	0.653	
Ant.E	Head	QPSK	0	Left Touch	26140	1860.0	50	0	23.50	22.20	0.485	0.654	
Ant.E	Head	QPSK	0	Left Tilt	26140	1860.0	1	0	23.50	22.12	0.616	0.846	
Ant.E	Head	QPSK	0	Left Tilt	26140	1860.0	50	0	23.50	22.20	0.649	0.875	
Ant.E	Head	QPSK	0	Left Tilt	26140	1860.0	100	0	23.50	22.06	0.650	0.906	
Ant.E	Head	QPSK	0	Left Tilt	26365	1882.5	1	0	23.50	21.96	0.648	0.924	
Ant.E	Head	QPSK	0	Left Tilt	26365	1882.5	50	0	23.50	22.01	0.646	0.910	
Ant.E	Head	QPSK	0	Left Tilt	26590	1905.0	1	0	23.50	21.91	0.660	0.952	43
Ant.E	Head	QPSK	0	Left Tilt	26590	1905.0	50	0	23.50	21.94	0.655	0.938	
Ant.E	Head	QPSK	0	Right Touch	26140	1860.0	1	0	23.50	22.12	0.513	0.705	
Ant.E	Head	QPSK	0	Right Touch	26140	1860.0	50	0	23.50	22.20	0.512	0.691	
Ant.E	Head	QPSK	0	Right Tilt	26140	1860.0	1	0	23.50	22.12	0.617	0.848	
Ant.E	Head	QPSK	0	Right Tilt	26140	1860.0	50	0	23.50	22.20	0.579	0.781	
Ant.E	Head	QPSK	0	Right Tilt	26365	1882.5	1	0	23.50	21.96	0.637	0.908	
Ant.E	Head	QPSK	0	Right Tilt	26590	1905.0	1	0	23.50	21.91	0.641	0.924	
Ant.E	Body-worn & Hotspot	QPSK	10	Rear	26140	1860.0	1	0	21.00	19.56	0.359	0.500	
Ant.E	Body-worn & Hotspot	QPSK	10	Rear	26140	1860.0	50	0	21.00	19.63	0.378	0.518	
Ant.E	Body-worn & Hotspot	QPSK	10	Front	26140	1860.0	1	0	21.00	19.56	0.099	0.138	
Ant.E	Body-worn & Hotspot	QPSK	10	Front	26140	1860.0	50	0	21.00	19.63	0.099	0.136	
Ant.E	Hotspot	QPSK	10	Top	26140	1860.0	1	0	21.00	19.56	0.474	0.660	
Ant.E	Hotspot	QPSK	10	Top	26140	1860.0	50	0	21.00	19.63	0.489	0.670	44
Ant.E	Hotspot	QPSK	10	Left	26140	1860.0	1	0	21.00	19.56	0.072	0.100	
Ant.E	Hotspot	QPSK	10	Left	26140	1860.0	50	0	21.00	19.63	0.073	0.100	

10.1.12. LTE Band 26 (15MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A	Head	QPSK	0	Left Touch	26865	831.5	1	0	25.50	24.43	0.098	0.125	
Ant.A	Head	QPSK	0	Left Touch	26865	831.5	36	0	24.50	23.42	0.080	0.103	
Ant.A	Head	QPSK	0	Left Tilt	26865	831.5	1	0	25.50	24.43	0.075	0.096	
Ant.A	Head	QPSK	0	Left Tilt	26865	831.5	36	0	24.50	23.42	0.061	0.078	
Ant.A	Head	QPSK	0	Right Touch	26865	831.5	1	0	25.50	24.43	0.131	0.168	
Ant.A	Head	QPSK	0	Right Touch	26865	831.5	36	0	24.50	23.42	0.106	0.136	
Ant.A	Head	QPSK	0	Right Tilt	26865	831.5	1	0	25.50	24.43	0.046	0.059	
Ant.A	Head	QPSK	0	Right Tilt	26865	831.5	36	0	24.50	23.42	0.066	0.085	
Ant.A	Body-worn & Hotspot	QPSK	10	Rear	26865	831.5	1	0	25.50	24.43	0.299	0.383	45
Ant.A	Body-worn & Hotspot	QPSK	10	Rear	26865	831.5	36	0	24.50	23.42	0.243	0.312	
Ant.A	Body-worn & Hotspot	QPSK	10	Front	26865	831.5	1	0	25.50	24.43	0.188	0.241	
Ant.A	Body-worn & Hotspot	QPSK	10	Front	26865	831.5	36	0	24.50	23.42	0.151	0.194	
Ant.A	Hotspot	QPSK	10	Bottom	26865	831.5	1	0	25.50	24.43	0.109	0.139	
Ant.A	Hotspot	QPSK	10	Bottom	26865	831.5	36	0	24.50	23.42	0.088	0.113	
Ant.A	Hotspot	QPSK	10	Right	26865	831.5	1	0	25.50	24.43	0.270	0.345	
Ant.A	Hotspot	QPSK	10	Right	26865	831.5	36	0	24.50	23.42	0.220	0.283	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A+B	Head	QPSK	0	Left Touch	26865	831.5	1	0	25.50	24.43	0.112	0.143	
Ant.A+B	Head	QPSK	0	Left Touch	26865	831.5	36	0	24.50	23.42	0.094	0.121	
Ant.A+B	Head	QPSK	0	Left Tilt	26865	831.5	1	0	25.50	24.43	0.071	0.091	
Ant.A+B	Head	QPSK	0	Left Tilt	26865	831.5	36	0	24.50	23.42	0.060	0.077	
Ant.A+B	Head	QPSK	0	Right Touch	26865	831.5	1	0	25.50	24.43	0.136	0.174	46
Ant.A+B	Head	QPSK	0	Right Touch	26865	831.5	36	0	24.50	23.42	0.119	0.153	
Ant.A+B	Head	QPSK	0	Right Tilt	26865	831.5	1	0	25.50	24.43	0.093	0.119	
Ant.A+B	Head	QPSK	0	Right Tilt	26865	831.5	36	0	24.50	23.42	0.080	0.103	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Rear	26865	831.5	1	0	25.50	24.43	0.361	0.462	47
Ant.A+B	Body-worn & Hotspot	QPSK	10	Rear	26865	831.5	36	0	24.50	23.42	0.302	0.387	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Front	26865	831.5	1	0	25.50	24.43	0.127	0.162	
Ant.A+B	Body-worn & Hotspot	QPSK	10	Front	26865	831.5	36	0	24.50	23.42	0.103	0.132	
Ant.A+B	Hotspot	QPSK	10	Left	26865	831.5	1	0	25.50	24.43	0.126	0.161	
Ant.A+B	Hotspot	QPSK	10	Left	26865	831.5	36	0	24.50	23.42	0.103	0.132	
Ant.A+B	Hotspot	QPSK	10	Bottom	26865	831.5	1	0	25.50	24.43	0.116	0.148	
Ant.A+B	Hotspot	QPSK	10	Bottom	26865	831.5	36	0	24.50	23.42	0.098	0.126	
Ant.A+B	Hotspot	QPSK	10	Right	26865	831.5	1	0	25.50	24.43	0.264	0.338	
Ant.A+B	Hotspot	QPSK	10	Right	26865	831.5	36	0	24.50	23.42	0.217	0.278	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.D	Head	QPSK	0	Left Touch	26865	831.5	1	0	25.50	24.45	0.210	0.267	48
Ant.D	Head	QPSK	0	Left Touch	26865	831.5	36	0	24.50	23.40	0.161	0.207	
Ant.D	Head	QPSK	0	Left Tilt	26865	831.5	1	0	25.50	24.45	0.100	0.127	
Ant.D	Head	QPSK	0	Left Tilt	26865	831.5	36	0	24.50	23.40	0.082	0.106	
Ant.D	Head	QPSK	0	Right Touch	26865	831.5	1	0	25.50	24.45	0.090	0.115	
Ant.D	Head	QPSK	0	Right Touch	26865	831.5	36	0	24.50	23.40	0.075	0.097	
Ant.D	Head	QPSK	0	Right Tilt	26865	831.5	1	0	25.50	24.45	0.073	0.093	
Ant.D	Head	QPSK	0	Right Tilt	26865	831.5	36	0	24.50	23.40	0.060	0.077	
Ant.D	Body-worn & Hotspot	QPSK	10	Rear	26865	831.5	1	0	25.50	24.45	0.196	0.250	
Ant.D	Body-worn & Hotspot	QPSK	10	Rear	26865	831.5	36	0	24.50	23.40	0.204	0.263	
Ant.D	Body-worn & Hotspot	QPSK	10	Front	26865	831.5	1	0	25.50	24.45	0.092	0.117	
Ant.D	Body-worn & Hotspot	QPSK	10	Front	26865	831.5	36	0	24.50	23.40	0.072	0.093	
Ant.D	Hotspot	QPSK	10	Top	26865	831.5	1	0	25.50	24.45	0.132	0.168	
Ant.D	Hotspot	QPSK	10	Top	26865	831.5	36	0	24.50	23.40	0.108	0.139	
Ant.D	Hotspot	QPSK	10	Right	26865	831.5	1	0	25.50	24.45	0.216	0.275	49
Ant.D	Hotspot	QPSK	10	Right	26865	831.5	36	0	24.50	23.40	0.170	0.219	

10.1.13. LTE Band 30 (10MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.B	Head	QPSK	0	Left Touch	27710	2310.0	1	25	24.00	23.01	0.065	0.082	
Ant.B	Head	QPSK	0	Left Touch	27710	2310.0	25	12	23.00	22.08	0.048	0.059	
Ant.B	Head	QPSK	0	Left Tilt	27710	2310.0	1	25	24.00	23.01	0.043	0.054	
Ant.B	Head	QPSK	0	Left Tilt	27710	2310.0	25	12	23.00	22.08	0.030	0.037	
Ant.B	Head	QPSK	0	Right Touch	27710	2310.0	1	25	24.00	23.01	0.081	0.102	50
Ant.B	Head	QPSK	0	Right Touch	27710	2310.0	25	12	23.00	22.08	0.060	0.074	
Ant.B	Head	QPSK	0	Right Tilt	27710	2310.0	1	25	24.00	23.01	0.058	0.073	
Ant.B	Head	QPSK	0	Right Tilt	27710	2310.0	25	12	23.00	22.08	0.044	0.054	
Ant.B	Body-worn & Hotspot	QPSK	10	Rear	27710	2310.0	1	25	19.00	18.13	0.484	0.591	
Ant.B	Body-worn & Hotspot	QPSK	10	Rear	27710	2310.0	25	12	19.00	18.11	0.488	0.599	
Ant.B	Body-worn & Hotspot	QPSK	10	Front	27710	2310.0	1	25	19.00	18.13	0.230	0.281	
Ant.B	Body-worn & Hotspot	QPSK	10	Front	27710	2310.0	25	12	19.00	18.11	0.229	0.281	
Ant.B	Hotspot	QPSK	10	Left	27710	2310.0	1	25	19.00	18.13	0.049	0.060	
Ant.B	Hotspot	QPSK	10	Left	27710	2310.0	25	12	19.00	18.11	0.042	0.052	
Ant.B	Hotspot	QPSK	10	Bottom	27710	2310.0	1	25	19.00	18.13	0.960	1.173	
Ant.B	Hotspot	QPSK	10	Bottom	27710	2310.0	25	12	19.00	18.11	0.968	1.188	51
Ant.B	Hotspot	QPSK	10	Bottom	27710	2310.0	50	0	19.00	18.09	0.961	1.185	
Ant.B	Hotspot	QPSK	10	Right	27710	2310.0	1	25	19.00	18.13	0.096	0.117	
Ant.B	Hotspot	QPSK	10	Right	27710	2310.0	25	12	19.00	18.11	0.097	0.119	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.E	Head	QPSK	0	Left Touch	27710	2310.0	1	25	21.50	20.48	0.744	0.941	
Ant.E	Head	QPSK	0	Left Touch	27710	2310.0	25	12	21.50	20.45	0.739	0.941	
Ant.E	Head	QPSK	0	Left Touch	27710	2310.0	50	0	21.50	20.41	0.735	0.945	
Ant.E	Head	QPSK	0	Left Tilt	27710	2310.0	1	25	21.50	20.48	0.825	1.043	
Ant.E	Head	QPSK	0	Left Tilt	27710	2310.0	25	12	21.50	20.45	0.844	1.075	52
Ant.E	Head	QPSK	0	Left Tilt	27710	2310.0	50	0	21.50	20.41	0.832	1.069	
Ant.E	Head	QPSK	0	Right Touch	27710	2310.0	1	25	21.50	20.48	0.610	0.771	
Ant.E	Head	QPSK	0	Right Touch	27710	2310.0	25	12	21.50	20.45	0.612	0.779	
Ant.E	Head	QPSK	0	Right Tilt	27710	2310.0	1	25	21.50	20.48	0.799	1.011	
Ant.E	Head	QPSK	0	Right Tilt	27710	2310.0	25	12	21.50	20.45	0.802	1.021	
Ant.E	Head	QPSK	0	Right Tilt	27710	2310.0	50	0	21.50	20.41	0.792	1.018	
Ant.E	Body-worn & Hotspot	QPSK	10	Rear	27710	2310.0	1	25	22.00	20.84	0.359	0.469	
Ant.E	Body-worn & Hotspot	QPSK	10	Rear	27710	2310.0	25	12	22.00	20.83	0.348	0.456	
Ant.E	Body-worn & Hotspot	QPSK	10	Front	27710	2310.0	1	25	22.00	20.84	0.200	0.261	
Ant.E	Body-worn & Hotspot	QPSK	10	Front	27710	2310.0	25	12	22.00	20.83	0.197	0.258	
Ant.E	Hotspot	QPSK	10	Top	27710	2310.0	1	25	22.00	20.84	0.517	0.675	53
Ant.E	Hotspot	QPSK	10	Top	27710	2310.0	25	12	22.00	20.83	0.501	0.656	
Ant.E	Hotspot	QPSK	10	Left	27710	2310.0	1	25	22.00	20.84	0.064	0.084	
Ant.E	Hotspot	QPSK	10	Left	27710	2310.0	25	12	22.00	20.83	0.064	0.084	

10.1.14. LTE Band 41 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.B	Head	QPSK	0	Left Touch	41055	2636.5	1	0	25.00	24.38	0.051	0.059	
Ant.B	Head	QPSK	0	Left Touch	41055	2636.5	50	0	24.00	23.30	0.035	0.041	
Ant.B	Head	QPSK	0	Left Tilt	41055	2636.5	1	0	25.00	24.38	0.039	0.045	
Ant.B	Head	QPSK	0	Left Tilt	41055	2636.5	50	0	24.00	23.30	0.029	0.034	
Ant.B	Head	QPSK	0	Right Touch	41055	2636.5	1	0	25.00	24.38	0.056	0.065	54
Ant.B	Head	QPSK	0	Right Touch	41055	2636.5	50	0	24.00	23.30	0.042	0.049	
Ant.B	Head	QPSK	0	Right Tilt	41055	2636.5	1	0	25.00	24.38	0.020	0.023	
Ant.B	Head	QPSK	0	Right Tilt	41055	2636.5	50	0	24.00	23.30	0.014	0.016	
Ant.B	Body-worn & Hotspot	QPSK	10	Rear	41055	2636.5	1	0	21.00	20.63	0.375	0.408	
Ant.B	Body-worn & Hotspot	QPSK	10	Rear	41055	2636.5	50	0	21.00	20.66	0.443	0.479	
Ant.B	Body-worn & Hotspot	QPSK	10	Front	41055	2636.5	1	0	21.00	20.63	0.093	0.101	
Ant.B	Body-worn & Hotspot	QPSK	10	Front	41055	2636.5	50	0	21.00	20.66	0.103	0.111	
Ant.B	Hotspot	QPSK	10	Left	41055	2636.5	1	0	21.00	20.63	0.043	0.047	
Ant.B	Hotspot	QPSK	10	Left	41055	2636.5	50	0	21.00	20.66	0.042	0.045	
Ant.B	Hotspot	QPSK	10	Bottom	39750	2506.0	1	0	21.00	20.60	0.637	0.698	
Ant.B	Hotspot	QPSK	10	Bottom	39750	2506.0	50	0	21.00	20.63	0.665	0.724	
Ant.B	Hotspot	QPSK	10	Bottom	40185	2549.5	1	0	21.00	20.45	0.653	0.741	
Ant.B	Hotspot	QPSK	10	Bottom	40185	2549.5	50	0	21.00	20.49	0.647	0.728	
Ant.B	Hotspot	QPSK	10	Bottom	40620	2593.0	1	0	21.00	20.52	0.754	0.842	
Ant.B	Hotspot	QPSK	10	Bottom	40620	2593.0	50	0	21.00	20.50	0.781	0.876	
Ant.B	Hotspot	QPSK	10	Bottom	41055	2636.5	1	0	21.00	20.63	0.942	1.026	
Ant.B	Hotspot	QPSK	10	Bottom	41055	2636.5	50	0	21.00	20.66	0.935	1.011	
Ant.B	Hotspot	QPSK	10	Bottom	41055	2636.5	100	0	21.00	20.60	0.909	0.997	
Ant.B	Hotspot	QPSK	10	Bottom	41490	2680.0	1	0	21.00	20.43	1.020	1.163	
Ant.B	Hotspot	QPSK	10	Bottom	41490	2680.0	50	0	21.00	20.41	1.020	1.168	55
Ant.B	Hotspot	QPSK	10	Right	41055	2636.5	1	0	21.00	20.63	0.091	0.099	
Ant.B	Hotspot	QPSK	10	Right	41055	2636.5	50	0	21.00	20.66	0.034	0.037	

LTE Band 41 Power Class 2

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.B	Head	QPSK	0	Right Touch	41055	2636.5	1	0	26.50	25.93	<0.001	<0.001	
Ant.B	Hotspot	QPSK	10	Bottom	41055	2636.5	50	0	22.60	21.99	0.966	1.112	

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	26.5	193.4	0.001	63.3	25.0	200.2	0.065	0.063	-98.4
	Hotspot	43.3	22.6	78.8	1.112	63.3	21.0	79.7	1.168	1.155	-3.7

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 Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.E	Body-worn & Hotspot	QPSK	10	Rear	41055	2636.5	1	0	21.50	21.18	0.168	0.181	
Ant.E	Body-worn & Hotspot	QPSK	10	Rear	41055	2636.5	50	0	21.50	21.17	0.163	0.176	
Ant.E	Body-worn & Hotspot	QPSK	10	Front	41055	2636.5	1	0	21.50	21.18	0.032	0.034	
Ant.E	Body-worn & Hotspot	QPSK	10	Front	41055	2636.5	50	0	21.50	21.17	0.030	0.032	
Ant.E	Hotspot	QPSK	10	Top	41055	2636.5	1	0	21.50	21.18	0.338	0.364	56
Ant.E	Hotspot	QPSK	10	Top	41055	2636.5	50	0	21.50	21.17	0.333	0.359	
Ant.E	Hotspot	QPSK	10	Left	41055	2636.5	1	0	21.50	21.18	0.041	0.044	
Ant.E	Hotspot	QPSK	10	Left	41055	2636.5	50	0	21.50	21.17	0.042	0.045	

LTE Band 41 Power Class 2

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.E	Hotspot	QPSK	10	Top	41055	2636.5	1	0	23.10	23.01	0.338	0.345	

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.E	Hotspot	43.3	23.1	88.4	0.345	63.3	22.0	100.3	0.408	0.360	-4.0

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 offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	
Ant.B	Head	QPSK	0	Left Touch	41055	2636.5	1	0	40857	2616.7	1	99	25.00	24.35	0.024	0.028	
	Hotspot	QPSK	10	Bottom	41055	2636.5	50	0	40857	2616.7	50	50	21.00	20.63	0.990	1.078	

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 offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	
Ant.E	Hotspot	QPSK	10	Top	41055	2636.5	1	0	40857	2616.7	1	99	21.50	21.15	0.267	0.289	

10.1.15. LTE Band 48 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.E	Head	QPSK	0	Left Touch	56640	3690.0	1	0	23.00	21.72	0.306	0.411	
Ant.E	Head	QPSK	0	Left Touch	56640	3690.0	50	0	23.00	21.80	0.316	0.417	
Ant.E	Head	QPSK	0	Left Tilt	56640	3690.0	1	0	23.00	21.72	0.408	0.548	
Ant.E	Head	QPSK	0	Left Tilt	56640	3690.0	50	0	23.00	21.80	0.421	0.555	
Ant.E	Head	QPSK	0	Right Touch	55340	3560.0	1	0	23.00	21.70	0.474	0.639	
Ant.E	Head	QPSK	0	Right Touch	55340	3560.0	50	0	23.00	21.79	0.480	0.634	
Ant.E	Head	QPSK	0	Right Touch	55340	3560.0	100	0	23.00	21.84	0.496	0.648	
Ant.E	Head	QPSK	0	Right Touch	55773	3603.3	1	0	23.00	21.52	0.531	0.747	
Ant.E	Head	QPSK	0	Right Touch	55773	3603.3	50	0	23.00	21.58	0.552	0.765	
Ant.E	Head	QPSK	0	Right Touch	56207	3646.7	1	0	23.00	21.49	0.618	0.875	
Ant.E	Head	QPSK	0	Right Touch	56207	3646.7	50	0	23.00	21.52	0.620	0.872	
Ant.E	Head	QPSK	0	Right Touch	56640	3690.0	1	0	23.00	21.72	0.610	0.819	
Ant.E	Head	QPSK	0	Right Touch	56640	3690.0	50	0	23.00	21.80	0.621	0.819	
Ant.E	Head	QPSK	0	Right Tilt	55340	3560.0	1	0	23.00	21.70	0.555	0.749	
Ant.E	Head	QPSK	0	Right Tilt	55340	3560.0	50	0	23.00	21.79	0.565	0.747	
Ant.E	Head	QPSK	0	Right Tilt	55340	3560.0	100	0	23.00	21.84	0.583	0.761	
Ant.E	Head	QPSK	0	Right Tilt	55773	3603.3	1	0	23.00	21.52	0.654	0.920	
Ant.E	Head	QPSK	0	Right Tilt	55773	3603.3	50	0	23.00	21.58	0.642	0.890	
Ant.E	Head	QPSK	0	Right Tilt	56207	3646.7	1	0	23.00	21.49	0.746	1.056	
Ant.E	Head	QPSK	0	Right Tilt	56207	3646.7	50	0	23.00	21.52	0.759	1.067	57
Ant.E	Head	QPSK	0	Right Tilt	56640	3690.0	1	0	23.00	21.72	0.740	0.994	
Ant.E	Head	QPSK	0	Right Tilt	56640	3690.0	50	0	23.00	21.80	0.747	0.985	
Ant.E	Body-worn & Hotspot	QPSK	10	Rear	56640	3690.0	1	0	20.50	19.82	0.317	0.371	
Ant.E	Body-worn & Hotspot	QPSK	10	Rear	56640	3690.0	50	0	20.50	19.92	0.312	0.357	
Ant.E	Body-worn & Hotspot	QPSK	10	Front	56640	3690.0	1	0	20.50	19.82	0.056	0.065	
Ant.E	Body-worn & Hotspot	QPSK	10	Front	56640	3690.0	50	0	20.50	19.92	0.058	0.066	
Ant.E	Hotspot	QPSK	10	Top	56640	3690.0	1	0	20.50	19.82	0.366	0.428	58
Ant.E	Hotspot	QPSK	10	Top	56640	3690.0	50	0	20.50	19.92	0.371	0.424	
Ant.E	Hotspot	QPSK	10	Left	56640	3690.0	1	0	20.50	19.82	0.054	0.063	
Ant.E	Hotspot	QPSK	10	Left	56640	3690.0	50	0	20.50	19.92	0.054	0.062	

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 offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	
Ant.E	Head	QPSK	0	Right Tilt	56207	3646.7	50	0	56009	3626.9	50	50	23.00	21.48	0.781	1.108	
	Hotspot	QPSK	10	Top	56640	3690.0	1	0	56442	3670.2	1	99	20.50	19.80	0.358	0.419	

10.1.16. LTE Band 66 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.B	Head	QPSK	0	Left Touch	132572	1770.0	1	0	25.00	24.02	0.119	0.149	
Ant.B	Head	QPSK	0	Left Touch	132572	1770.0	50	0	24.00	23.01	0.119	0.149	
Ant.B	Head	QPSK	0	Left Tilt	132572	1770.0	1	0	25.00	24.02	0.105	0.132	
Ant.B	Head	QPSK	0	Left Tilt	132572	1770.0	50	0	24.00	23.01	0.065	0.082	
Ant.B	Head	QPSK	0	Right Touch	132572	1770.0	1	0	25.00	24.02	0.138	0.173	59
Ant.B	Head	QPSK	0	Right Touch	132572	1770.0	50	0	24.00	23.01	0.123	0.154	
Ant.B	Head	QPSK	0	Right Tilt	132572	1770.0	1	0	25.00	24.02	0.135	0.169	
Ant.B	Head	QPSK	0	Right Tilt	132572	1770.0	50	0	24.00	23.01	0.097	0.122	
Ant.B	Body-worn & Hotspot	QPSK	10	Rear	132572	1770.0	1	0	20.00	19.07	0.558	0.691	
Ant.B	Body-worn & Hotspot	QPSK	10	Rear	132572	1770.0	50	0	20.00	19.09	0.519	0.640	
Ant.B	Body-worn & Hotspot	QPSK	10	Front	132572	1770.0	1	0	20.00	19.07	0.237	0.294	
Ant.B	Body-worn & Hotspot	QPSK	10	Front	132572	1770.0	50	0	20.00	19.09	0.242	0.298	
Ant.B	Hotspot	QPSK	10	Left	132572	1770.0	1	0	20.00	19.07	0.089	0.111	
Ant.B	Hotspot	QPSK	10	Left	132572	1770.0	50	0	20.00	19.09	0.088	0.109	
Ant.B	Hotspot	QPSK	10	Bottom	132072	1720.0	1	0	20.00	18.96	0.652	0.828	
Ant.B	Hotspot	QPSK	10	Bottom	132072	1720.0	50	0	20.00	19.01	0.672	0.844	
Ant.B	Hotspot	QPSK	10	Bottom	132322	1745.0	1	0	20.00	18.87	0.760	0.986	
Ant.B	Hotspot	QPSK	10	Bottom	132322	1745.0	50	0	20.00	18.93	0.781	0.999	
Ant.B	Hotspot	QPSK	10	Bottom	132572	1770.0	1	0	20.00	19.07	0.852	1.055	
Ant.B	Hotspot	QPSK	10	Bottom	132572	1770.0	50	0	20.00	19.09	0.859	1.059	
Ant.B	Hotspot	QPSK	10	Bottom	132572	1770.0	100	0	20.00	19.10	0.885	1.089	60
Ant.B	Hotspot	QPSK	10	Right	132572	1770.0	1	0	20.00	19.07	0.174	0.216	
Ant.B	Hotspot	QPSK	10	Right	132572	1770.0	50	0	20.00	19.09	0.174	0.215	

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 offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	
Ant.B	Head	QPSK	0	Right Touch	132597	1772.5	1	0	132504	1763.2	1	24	25.00	23.88	0.112	0.145	
	Hotspot	QPSK	10	Bottom	132597	1772.5	75	0	132504	1763.2	25	0	20.00	19.01	0.761	0.956	

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 offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	
Ant.B	Head	QPSK	0	Right Touch	132572	1770.0	1	0	132374	1750.2	1	99	25.00	24.01	0.106	0.133	
	Hotspot	QPSK	10	Bottom	132572	1770.0	100	0	132374	1750.2	100	0	20.00	19.06	0.782	0.971	

LTE Band 66 (20MHz Bandwidth) (Continued)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.E	Head	QPSK	0	Left Touch	132572	1770.0	1	99	22.50	21.29	0.348	0.460	
Ant.E	Head	QPSK	0	Left Touch	132572	1770.0	50	50	22.50	21.21	0.342	0.460	
Ant.E	Head	QPSK	0	Left Tilt	132572	1770.0	1	99	22.50	21.29	0.455	0.601	
Ant.E	Head	QPSK	0	Left Tilt	132572	1770.0	50	50	22.50	21.21	0.458	0.616	61
Ant.E	Head	QPSK	0	Right Touch	132572	1770.0	1	99	22.50	21.29	0.357	0.472	
Ant.E	Head	QPSK	0	Right Touch	132572	1770.0	50	50	22.50	21.21	0.352	0.474	
Ant.E	Head	QPSK	0	Right Tilt	132572	1770.0	1	99	22.50	21.29	0.431	0.569	
Ant.E	Head	QPSK	0	Right Tilt	132572	1770.0	50	50	22.50	21.21	0.427	0.575	
Ant.E	Body-worn & Hotspot	QPSK	10	Rear	132572	1770.0	1	99	21.00	19.73	0.403	0.540	
Ant.E	Body-worn & Hotspot	QPSK	10	Rear	132572	1770.0	50	50	21.00	19.69	0.403	0.545	
Ant.E	Body-worn & Hotspot	QPSK	10	Front	132572	1770.0	1	99	21.00	19.73	0.096	0.129	
Ant.E	Body-worn & Hotspot	QPSK	10	Front	132572	1770.0	50	50	21.00	19.69	0.097	0.131	
Ant.E	Hotspot	QPSK	10	Top	132572	1770.0	1	99	21.00	19.73	0.450	0.603	
Ant.E	Hotspot	QPSK	10	Top	132572	1770.0	50	50	21.00	19.69	0.458	0.619	62
Ant.E	Hotspot	QPSK	10	Left	132572	1770.0	1	99	21.00	19.73	0.078	0.104	
Ant.E	Hotspot	QPSK	10	Left	132572	1770.0	50	50	21.00	19.69	0.076	0.103	

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 offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	
Ant.E	Head	QPSK	0	Left Tilt	132597	1772.5	36	0	132504	1763.2	12	13	22.50	20.91	0.436	0.629	
	Hotspot	QPSK	10	Top	132597	1772.5	36	0	132504	1763.2	12	13	21.00	19.23	0.449	0.675	

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 offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	
Ant.E	Head	QPSK	0	Left Tilt	132572	1770.0	50	0	132374	1750.2	50	50	22.50	21.04	0.439	0.614	
	Hotspot	QPSK	10	Top	132572	1770.0	50	0	132374	1750.2	50	50	21.00	19.51	0.426	0.600	

10.1.17. LTE Band 71 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A	Head	QPSK	0	Left Touch	133297	680.5	1	0	25.20	24.25	0.076	0.095	
Ant.A	Head	QPSK	0	Left Touch	133297	680.5	50	0	24.20	23.30	0.059	0.073	
Ant.A	Head	QPSK	0	Left Tilt	133297	680.5	1	0	25.20	24.25	0.079	0.098	
Ant.A	Head	QPSK	0	Left Tilt	133297	680.5	50	0	24.20	23.30	0.064	0.079	
Ant.A	Head	QPSK	0	Right Touch	133297	680.5	1	0	25.20	24.25	0.089	0.111	
Ant.A	Head	QPSK	0	Right Touch	133297	680.5	50	0	24.20	23.30	0.069	0.085	
Ant.A	Head	QPSK	0	Right Tilt	133297	680.5	1	0	25.20	24.25	0.061	0.076	
Ant.A	Head	QPSK	0	Right Tilt	133297	680.5	50	0	24.20	23.30	0.050	0.062	
Ant.A	Body-worn & Hotspot	QPSK	10	Rear	133297	680.5	1	0	25.20	24.25	0.224	0.279	
Ant.A	Body-worn & Hotspot	QPSK	10	Rear	133297	680.5	50	0	24.20	23.30	0.173	0.213	
Ant.A	Body-worn & Hotspot	QPSK	10	Front	133297	680.5	1	0	25.20	24.25	0.105	0.131	
Ant.A	Body-worn & Hotspot	QPSK	10	Front	133297	680.5	50	0	24.20	23.30	0.082	0.101	
Ant.A	Hotspot	QPSK	10	Bottom	133297	680.5	1	0	25.20	24.25	0.064	0.080	
Ant.A	Hotspot	QPSK	10	Bottom	133297	680.5	50	0	24.20	23.30	0.050	0.062	
Ant.A	Hotspot	QPSK	10	Right	133297	680.5	1	0	25.20	24.25	0.231	0.287	63
Ant.A	Hotspot	QPSK	10	Right	133297	680.5	50	0	24.20	23.30	0.179	0.220	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
AntA+B	Head	QPSK	0	Left Touch	133297	680.5	1	0	25.20	24.25	0.069	0.086	
AntA+B	Head	QPSK	0	Left Touch	133297	680.5	50	0	24.20	23.30	0.056	0.069	
AntA+B	Head	QPSK	0	Left Tilt	133297	680.5	1	0	25.20	24.25	0.038	0.047	
AntA+B	Head	QPSK	0	Left Tilt	133297	680.5	50	0	24.20	23.30	0.033	0.041	
AntA+B	Head	QPSK	0	Right Touch	133297	680.5	1	0	25.20	24.25	0.085	0.106	64
AntA+B	Head	QPSK	0	Right Touch	133297	680.5	50	0	24.20	23.30	0.068	0.084	
AntA+B	Head	QPSK	0	Right Tilt	133297	680.5	1	0	25.20	24.25	0.021	0.026	
AntA+B	Head	QPSK	0	Right Tilt	133297	680.5	50	0	24.20	23.30	0.021	0.026	
AntA+B	Body-worn & Hotspot	QPSK	10	Rear	133297	680.5	1	0	25.20	24.25	0.361	0.449	
AntA+B	Body-worn & Hotspot	QPSK	10	Rear	133297	680.5	50	0	25.20	23.30	0.286	0.443	
AntA+B	Body-worn & Hotspot	QPSK	10	Front	133297	680.5	1	0	25.20	24.25	0.184	0.229	
AntA+B	Body-worn & Hotspot	QPSK	10	Front	133297	680.5	50	0	25.20	23.30	0.146	0.226	
AntA+B	Hotspot	QPSK	10	Left	133297	680.5	1	0	25.20	24.25	0.173	0.215	
AntA+B	Hotspot	QPSK	10	Left	133297	680.5	50	0	25.20	23.30	0.138	0.214	
AntA+B	Hotspot	QPSK	10	Bottom	133297	680.5	1	0	25.20	24.25	0.214	0.266	
AntA+B	Hotspot	QPSK	10	Bottom	133297	680.5	50	0	25.20	23.30	0.169	0.262	
AntA+B	Hotspot	QPSK	10	Right	133297	680.5	1	0	25.20	24.25	0.519	0.646	65
AntA+B	Hotspot	QPSK	10	Right	133297	680.5	50	0	25.20	23.30	0.403	0.624	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.D	Head	QPSK	0	Left Touch	133297	680.5	1	49	25.20	24.25	0.248	0.309	66
Ant.D	Head	QPSK	0	Left Touch	133297	680.5	50	24	24.20	23.23	0.200	0.250	
Ant.D	Head	QPSK	0	Left Tilt	133297	680.5	1	49	25.20	24.25	0.150	0.187	
Ant.D	Head	QPSK	0	Left Tilt	133297	680.5	50	24	24.20	23.23	0.129	0.161	
Ant.D	Head	QPSK	0	Right Touch	133297	680.5	1	49	25.20	24.25	0.113	0.141	
Ant.D	Head	QPSK	0	Right Touch	133297	680.5	50	24	24.20	23.23	0.089	0.111	
Ant.D	Head	QPSK	0	Right Tilt	133297	680.5	1	49	25.20	24.25	0.082	0.102	
Ant.D	Head	QPSK	0	Right Tilt	133297	680.5	50	24	24.20	23.23	0.068	0.085	
Ant.D	Body-worn & Hotspot	QPSK	10	Rear	133297	680.5	1	49	25.20	24.25	0.290	0.361	67
Ant.D	Body-worn & Hotspot	QPSK	10	Rear	133297	680.5	50	24	24.20	23.23	0.179	0.224	
Ant.D	Body-worn & Hotspot	QPSK	10	Front	133297	680.5	1	49	25.20	24.25	0.083	0.103	
Ant.D	Body-worn & Hotspot	QPSK	10	Front	133297	680.5	50	24	24.20	23.23	0.064	0.080	
Ant.D	Hotspot	QPSK	10	Top	133297	680.5	1	49	25.20	24.25	0.150	0.187	
Ant.D	Hotspot	QPSK	10	Top	133297	680.5	50	24	24.20	23.23	0.119	0.149	
Ant.D	Hotspot	QPSK	10	Right	133297	680.5	1	49	25.20	24.25	0.274	0.341	
Ant.D	Hotspot	QPSK	10	Right	133297	680.5	50	24	24.20	23.23	0.218	0.273	

10.1.18. NR Band n5 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
AntA	Head	DFT-s-OFDM_QPSK	0	Left Touch	167300	836.5	1	52	25.00	23.65	0.098	0.134	
AntA	Head	DFT-s-OFDM_QPSK	0	Left Touch	167300	836.5	50	28	25.00	23.65	0.096	0.131	
AntA	Head	DFT-s-OFDM_QPSK	0	Left Tilt	167300	836.5	1	52	25.00	23.65	0.073	0.100	
AntA	Head	DFT-s-OFDM_QPSK	0	Left Tilt	167300	836.5	50	28	25.00	23.65	0.074	0.101	
AntA	Head	DFT-s-OFDM_QPSK	0	Right Touch	167300	836.5	1	52	25.00	23.65	0.111	0.151	
AntA	Head	DFT-s-OFDM_QPSK	0	Right Touch	167300	836.5	50	28	25.00	23.65	0.112	0.153	
AntA	Head	DFT-s-OFDM_QPSK	0	Right Tilt	167300	836.5	1	52	25.00	23.65	0.068	0.093	
AntA	Head	DFT-s-OFDM_QPSK	0	Right Tilt	167300	836.5	50	28	25.00	23.65	0.068	0.093	
AntA	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	167300	836.5	1	52	25.00	23.65	0.276	0.377	
AntA	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	167300	836.5	50	28	25.00	23.65	0.281	0.383	68
AntA	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	167300	836.5	1	52	25.00	23.65	0.132	0.180	
AntA	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	167300	836.5	50	28	25.00	23.65	0.136	0.186	
AntA	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	167300	836.5	1	52	25.00	23.65	0.144	0.196	
AntA	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	167300	836.5	50	28	25.00	23.65	0.150	0.205	
AntA	Hotspot	DFT-s-OFDM_QPSK	10	Right	167300	836.5	1	52	25.00	23.65	0.270	0.368	
AntA	Hotspot	DFT-s-OFDM_QPSK	10	Right	167300	836.5	50	28	25.00	23.65	0.267	0.364	
AntA	Head	CP-OFDM_QPSK	0	RightTouch	167300	836.5	1	1	23.50	22.24	0.065	0.087	
AntA	Body-worn & Hotspot	CP-OFDM_QPSK	10	Rear	167300	836.5	1	1	23.50	22.24	0.195	0.261	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
AntA+B	Head	DFT-s-OFDM_QPSK	0	Left Touch	167300	836.5	1	52	25.00	23.65	0.094	0.128	
AntA+B	Head	DFT-s-OFDM_QPSK	0	Left Touch	167300	836.5	50	28	25.00	23.65	0.097	0.132	
AntA+B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	167300	836.5	1	52	25.00	23.65	0.072	0.098	
AntA+B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	167300	836.5	50	28	25.00	23.65	0.075	0.102	
AntA+B	Head	DFT-s-OFDM_QPSK	0	Right Touch	167300	836.5	1	52	25.00	23.65	0.137	0.187	69
AntA+B	Head	DFT-s-OFDM_QPSK	0	Right Touch	167300	836.5	50	28	25.00	23.65	0.110	0.150	
AntA+B	Head	DFT-s-OFDM_QPSK	0	Right Tilt	167300	836.5	1	52	25.00	23.65	0.068	0.093	
AntA+B	Head	DFT-s-OFDM_QPSK	0	Right Tilt	167300	836.5	50	28	25.00	23.65	0.071	0.097	
AntA+B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	167300	836.5	1	52	25.00	23.65	0.302	0.412	70
AntA+B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	167300	836.5	50	28	25.00	23.65	0.300	0.409	
AntA+B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	167300	836.5	1	52	25.00	23.65	0.119	0.162	
AntA+B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	167300	836.5	50	28	25.00	23.65	0.120	0.164	
AntA+B	Hotspot	DFT-s-OFDM_QPSK	10	Left	167300	836.5	1	52	25.00	23.65	0.119	0.162	
AntA+B	Hotspot	DFT-s-OFDM_QPSK	10	Left	167300	836.5	50	28	25.00	23.65	0.121	0.165	
AntA+B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	167300	836.5	1	52	25.00	23.65	0.141	0.192	
AntA+B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	167300	836.5	50	28	25.00	23.65	0.140	0.191	
AntA+B	Hotspot	DFT-s-OFDM_QPSK	10	Right	167300	836.5	1	52	25.00	23.65	0.263	0.359	
AntA+B	Hotspot	DFT-s-OFDM_QPSK	10	Right	167300	836.5	50	28	25.00	23.65	0.266	0.363	
AntA+B	Head	CP-OFDM_QPSK	0	RightTouch	167300	836.5	1	1	23.50	22.24	0.080	0.107	
AntA+B	Body-worn & Hotspot	CP-OFDM_QPSK	10	Rear	167300	836.5	1	1	23.50	22.24	0.249	0.333	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.D	Head	DFT-s-OFDMQPSK	0	Left Touch	167300	836.5	1	1	25.00	23.72	0.139	0.187	
Ant.D	Head	DFT-s-OFDMQPSK	0	Left Touch	167300	836.5	50	28	25.00	23.63	0.145	0.199	71
Ant.D	Head	DFT-s-OFDMQPSK	0	Left Tilt	167300	836.5	1	1	25.00	23.72	0.122	0.164	
Ant.D	Head	DFT-s-OFDMQPSK	0	Left Tilt	167300	836.5	50	28	25.00	23.63	0.128	0.175	
Ant.D	Head	DFT-s-OFDMQPSK	0	Right Touch	167300	836.5	1	1	25.00	23.72	0.077	0.103	
Ant.D	Head	DFT-s-OFDMQPSK	0	Right Touch	167300	836.5	50	28	25.00	23.63	0.081	0.111	
Ant.D	Head	DFT-s-OFDMQPSK	0	Right Tilt	167300	836.5	1	1	25.00	23.72	0.068	0.091	
Ant.D	Head	DFT-s-OFDMQPSK	0	Right Tilt	167300	836.5	50	28	25.00	23.63	0.071	0.097	
Ant.D	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	167300	836.5	1	1	25.00	23.72	0.238	0.320	
Ant.D	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	167300	836.5	50	28	25.00	23.63	0.241	0.330	72
Ant.D	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	167300	836.5	1	1	25.00	23.72	0.085	0.114	
Ant.D	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	167300	836.5	50	28	25.00	23.63	0.083	0.114	
Ant.D	Hotspot	DFT-s-OFDMQPSK	10	Top	167300	836.5	1	1	25.00	23.72	0.132	0.177	
Ant.D	Hotspot	DFT-s-OFDMQPSK	10	Top	167300	836.5	50	28	25.00	23.63	0.142	0.195	
Ant.D	Hotspot	DFT-s-OFDMQPSK	10	Right	167300	836.5	1	1	25.00	23.72	0.205	0.275	
Ant.D	Hotspot	DFT-s-OFDMQPSK	10	Right	167300	836.5	50	28	25.00	23.63	0.211	0.289	
Ant.D	Head	CP-OFDMQPSK	0	Left Touch	167300	836.5	1	1	23.50	22.14	0.096	0.131	
Ant.D	Body-worn & Hotspot	CP-OFDMQPSK	10	Rear	167300	836.5	1	1	23.50	22.14	0.186	0.254	

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

10.1.19. NR Band n7 (40MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Touch	507000	2535.0	1	1	24.00	23.41	0.081	0.093	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Touch	507000	2535.0	108	54	24.00	23.49	0.078	0.088	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	507000	2535.0	1	1	24.00	23.41	0.058	0.067	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	507000	2535.0	108	54	24.00	23.49	0.048	0.054	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Touch	507000	2535.0	1	1	24.00	23.41	0.087	0.100	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Touch	507000	2535.0	108	54	24.00	23.49	0.102	0.115	73
Ant.B	Head	DFT-s-OFDM_QPSK	0	Righttt Tilt	507000	2535.0	1	1	24.00	23.41	0.034	0.039	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Righttt Tilt	507000	2535.0	108	54	24.00	23.49	0.032	0.036	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	507000	2535.0	1	1	19.00	18.15	0.424	0.516	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	507000	2535.0	108	54	19.00	18.16	0.440	0.533	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	507000	2535.0	1	1	19.00	18.15	0.084	0.102	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	507000	2535.0	108	54	19.00	18.16	0.087	0.105	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Left	507000	2535.0	1	1	19.00	18.15	0.032	0.039	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Left	507000	2535.0	108	54	19.00	18.16	0.033	0.040	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	507000	2535.0	1	1	19.00	18.15	0.556	0.676	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	507000	2535.0	108	54	19.00	18.16	0.589	0.713	74
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Right	507000	2535.0	1	1	19.00	18.15	0.069	0.084	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Right	507000	2535.0	108	54	19.00	18.16	0.080	0.097	
Ant.B	Head	CP-OFDM_QPSK	0	Right Touch	507000	2535.0	1	1	22.50	22.01	0.047	0.053	
Ant.B	Hotspot	CP-OFDM_QPSK	10	Bottom	507000	2535.0	1	1	19.00	18.32	0.607	0.710	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Touch	507000	2535.0	1	214	24.00	22.49	0.336	0.476	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Touch	507000	2535.0	108	54	24.00	22.55	0.313	0.437	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Tilt	507000	2535.0	1	214	24.00	22.49	0.435	0.616	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Tilt	507000	2535.0	108	54	24.00	22.55	0.379	0.529	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Touch	507000	2535.0	1	214	24.00	22.49	0.389	0.551	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Touch	507000	2535.0	108	54	24.00	22.55	0.397	0.554	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	507000	2535.0	1	214	24.00	22.49	0.555	0.786	75
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	507000	2535.0	108	54	24.00	22.55	0.540	0.754	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	507000	2535.0	1	214	20.00	18.31	0.256	0.378	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	507000	2535.0	108	54	20.00	18.26	0.265	0.396	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	507000	2535.0	1	214	20.00	18.31	0.042	0.062	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	507000	2535.0	108	54	20.00	18.26	0.040	0.060	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Top	507000	2535.0	1	214	20.00	18.31	0.288	0.425	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Top	507000	2535.0	108	54	20.00	18.26	0.306	0.457	76
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Left	507000	2535.0	1	214	20.00	18.31	0.073	0.108	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Left	507000	2535.0	108	54	20.00	18.26	0.072	0.107	
Ant.E	Head	CP-OFDMQPSK	0	Right Tilt	507000	2535.0	1	1	22.50	21.14	0.254	0.347	
Ant.E	Hotspot	CP-OFDMQPSK	10	Top	507000	2535.0	1	1	20.00	18.38	0.274	0.398	

Note(s):

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

10.1.20. NR Band n12 (15MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A	Head	DFT-s-OFDM_QPSK	0	Left Touch	141500	707.5	1	1	25.00	23.85	0.120	0.156	
Ant.A	Head	DFT-s-OFDM_QPSK	0	Left Touch	141500	707.5	36	0	25.00	23.82	0.114	0.150	
Ant.A	Head	DFT-s-OFDM_QPSK	0	Left Tilt	141500	707.5	1	1	25.00	23.85	0.067	0.087	
Ant.A	Head	DFT-s-OFDM_QPSK	0	Left Tilt	141500	707.5	36	0	25.00	23.82	0.061	0.080	
Ant.A	Head	DFT-s-OFDM_QPSK	0	Right Touch	141500	707.5	1	1	25.00	23.85	0.144	0.188	
Ant.A	Head	DFT-s-OFDM_QPSK	0	Right Touch	141500	707.5	36	0	25.00	23.82	0.151	0.198	
Ant.A	Head	DFT-s-OFDM_QPSK	0	Right Tilt	141500	707.5	1	1	25.00	23.85	0.080	0.104	
Ant.A	Head	DFT-s-OFDM_QPSK	0	Right Tilt	141500	707.5	36	0	25.00	23.82	0.087	0.114	
Ant.A	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	141500	707.5	1	1	25.00	23.85	0.256	0.334	
Ant.A	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	141500	707.5	36	0	25.00	23.82	0.269	0.353	
Ant.A	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	141500	707.5	1	1	25.00	23.85	0.157	0.205	
Ant.A	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	141500	707.5	36	0	25.00	23.82	0.171	0.224	
Ant.A	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	141500	707.5	1	1	25.00	23.85	0.089	0.116	
Ant.A	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	141500	707.5	36	0	25.00	23.82	0.090	0.118	
Ant.A	Hotspot	DFT-s-OFDM_QPSK	10	Right	141500	707.5	1	1	25.00	23.85	0.309	0.403	
Ant.A	Hotspot	DFT-s-OFDM_QPSK	10	Right	141500	707.5	36	0	25.00	23.82	0.327	0.429	77
Ant.A	Head	CP-OFDM_QPSK	0	Right Touch	141500	707.5	1	1	23.50	22.43	0.109	0.139	
Ant.A	Hotspot	CP-OFDM_QPSK	10	Right	141500	707.5	1	1	23.50	22.43	0.222	0.284	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A+B	Head	DFT-s-OFDM_QPSK	0	Left Touch	141500	707.5	1	1	25.00	23.85	0.094	0.122	
Ant.A+B	Head	DFT-s-OFDM_QPSK	0	Left Touch	141500	707.5	36	21	25.00	23.82	0.072	0.094	
Ant.A+B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	141500	707.5	1	1	25.00	23.85	0.055	0.072	
Ant.A+B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	141500	707.5	36	21	25.00	23.82	0.041	0.054	
Ant.A+B	Head	DFT-s-OFDM_QPSK	0	Right Touch	141500	707.5	1	1	25.00	23.85	0.132	0.172	78
Ant.A+B	Head	DFT-s-OFDM_QPSK	0	Right Touch	141500	707.5	36	21	25.00	23.82	0.100	0.131	
Ant.A+B	Head	DFT-s-OFDM_QPSK	0	Right Tilt	141500	707.5	1	1	25.00	23.85	0.079	0.103	
Ant.A+B	Head	DFT-s-OFDM_QPSK	0	Right Tilt	141500	707.5	36	21	25.00	23.82	0.054	0.071	
Ant.A+B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	141500	707.5	1	1	25.00	23.85	0.271	0.353	
Ant.A+B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	141500	707.5	36	21	25.00	23.82	0.177	0.232	
Ant.A+B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	141500	707.5	1	1	25.00	23.85	0.141	0.184	
Ant.A+B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	141500	707.5	36	21	25.00	23.82	0.109	0.143	
Ant.A+B	Hotspot	DFT-s-OFDM_QPSK	10	Left	141500	707.5	1	1	25.00	23.85	0.125	0.163	
Ant.A+B	Hotspot	DFT-s-OFDM_QPSK	10	Left	141500	707.5	36	21	25.00	23.82	0.093	0.122	
Ant.A+B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	141500	707.5	1	1	25.00	23.85	0.114	0.149	
Ant.A+B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	141500	707.5	36	21	25.00	23.82	0.091	0.119	
Ant.A+B	Hotspot	DFT-s-OFDM_QPSK	10	Right	141500	707.5	1	1	25.00	23.85	0.292	0.381	79
Ant.A+B	Hotspot	DFT-s-OFDM_QPSK	10	Right	141500	707.5	36	21	25.00	23.82	0.224	0.294	
Ant.A+B	Head	CP-OFDM_QPSK	0	Right Touch	141500	707.5	1	1	23.50	22.43	0.097	0.124	
Ant.A+B	Hotspot	CP-OFDM_QPSK	10	Right	141500	707.5	1	1	23.50	22.43	0.246	0.315	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.D	Head	DFT-s-OFDMQPSK	0	Left Touch	141500	707.5	1	1	25.00	23.62	0.219	0.301	80
Ant.D	Head	DFT-s-OFDMQPSK	0	Left Touch	141500	707.5	36	21	25.00	23.67	0.207	0.281	
Ant.D	Head	DFT-s-OFDMQPSK	0	Left Tilt	141500	707.5	1	1	25.00	23.62	0.137	0.188	
Ant.D	Head	DFT-s-OFDMQPSK	0	Left Tilt	141500	707.5	36	21	25.00	23.67	0.129	0.175	
Ant.D	Head	DFT-s-OFDMQPSK	0	Right Touch	141500	707.5	1	1	25.00	23.62	0.089	0.122	
Ant.D	Head	DFT-s-OFDMQPSK	0	Right Touch	141500	707.5	36	21	25.00	23.67	0.088	0.120	
Ant.D	Head	DFT-s-OFDMQPSK	0	Right Tilt	141500	707.5	1	1	25.00	23.62	0.054	0.074	
Ant.D	Head	DFT-s-OFDMQPSK	0	Right Tilt	141500	707.5	36	21	25.00	23.67	0.053	0.072	
Ant.D	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	141500	707.5	1	1	25.00	23.62	0.151	0.207	
Ant.D	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	141500	707.5	36	21	25.00	23.67	0.159	0.216	
Ant.D	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	141500	707.5	1	1	25.00	23.62	0.064	0.088	
Ant.D	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	141500	707.5	36	21	25.00	23.67	0.068	0.092	
Ant.D	Hotspot	DFT-s-OFDMQPSK	10	Top	141500	707.5	1	1	25.00	23.62	0.091	0.125	
Ant.D	Hotspot	DFT-s-OFDMQPSK	10	Top	141500	707.5	36	21	25.00	23.67	0.090	0.122	
Ant.D	Hotspot	DFT-s-OFDMQPSK	10	Right	141500	707.5	1	1	25.00	23.62	0.192	0.264	
Ant.D	Hotspot	DFT-s-OFDMQPSK	10	Right	141500	707.5	36	21	25.00	23.67	0.205	0.278	81
Ant.D	Head	CP-OFDMQPSK	0	Left Touch	141500	707.5	1	1	23.50	22.34	0.139	0.182	
Ant.D	Hotspot	CP-OFDMQPSK	10	Right	141500	707.5	1	1	23.50	22.34	0.157	0.205	

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

10.1.21. NR Band n25 (40MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Touch	376500	1882.5	1	1	24.50	23.61	0.087	0.107	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Touch	376500	1882.5	108	54	24.50	23.45	0.080	0.102	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	376500	1882.5	1	1	24.50	23.61	0.056	0.068	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	376500	1882.5	108	54	24.50	23.45	0.050	0.064	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Touch	376500	1882.5	1	1	24.50	23.61	0.098	0.120	82
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Touch	376500	1882.5	108	54	24.50	23.45	0.090	0.114	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Tilt	376500	1882.5	1	1	24.50	23.61	0.071	0.087	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Tilt	376500	1882.5	108	54	24.50	23.45	0.057	0.073	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	376500	1882.5	1	1	20.00	19.31	0.597	0.700	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	376500	1882.5	108	54	20.00	19.43	0.561	0.640	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	376500	1882.5	1	1	20.00	19.31	0.166	0.195	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	376500	1882.5	108	54	20.00	19.43	0.150	0.171	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Left	376500	1882.5	1	1	20.00	19.31	0.089	0.104	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Left	376500	1882.5	108	54	20.00	19.43	0.079	0.090	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	376500	1882.5	1	1	20.00	19.31	0.894	1.048	83
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	376500	1882.5	108	54	20.00	19.43	0.835	0.952	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	376500	1882.5	216	0	20.00	19.37	0.790	0.913	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Right	376500	1882.5	1	1	20.00	19.31	0.186	0.218	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Right	376500	1882.5	108	54	20.00	19.43	0.198	0.226	
Ant.B	Head	CP-OFDM_QPSK	0	RightTouch	376500	1882.5	1	1	23.00	22.06	0.076	0.095	
Ant.B	Hotspot	CP-OFDM_QPSK	10	Bottom	376500	1882.5	1	1	20.00	19.81	0.874	0.913	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Touch	376500	1882.5	1	1	23.50	22.21	0.503	0.677	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Touch	376500	1882.5	108	0	23.50	22.08	0.502	0.696	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Tilt	376500	1882.5	1	1	23.50	22.21	0.646	0.869	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Tilt	376500	1882.5	108	0	23.50	22.08	0.636	0.882	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Tilt	376500	1882.5	216	0	22.50	21.97	0.648	0.732	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Touch	376500	1882.5	1	1	23.50	22.21	0.595	0.801	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Touch	376500	1882.5	108	0	23.50	22.08	0.599	0.831	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Touch	376500	1882.5	216	0	22.50	21.97	0.604	0.682	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	376500	1882.5	1	1	23.50	22.21	0.726	0.977	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	376500	1882.5	108	0	23.50	22.08	0.713	0.989	84
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	376500	1882.5	216	0	22.50	21.97	0.749	0.846	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	376500	1882.5	1	1	21.00	19.86	0.367	0.477	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	376500	1882.5	108	0	21.00	19.63	0.334	0.458	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	376500	1882.5	1	1	21.00	19.86	0.092	0.120	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	376500	1882.5	108	0	21.00	19.63	0.083	0.114	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Top	376500	1882.5	1	1	21.00	19.86	0.482	0.627	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Top	376500	1882.5	108	0	21.00	19.63	0.434	0.595	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Left	376500	1882.5	1	1	21.00	19.86	0.077	0.100	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Left	376500	1882.5	108	0	21.00	19.63	0.072	0.099	
Ant.E	Head	CP-OFDMQPSK	0	Right Tilt	376500	1882.5	1	1	23.00	22.01	0.701	0.880	85
Ant.E	Hotspot	CP-OFDMQPSK	10	Top	376500	1882.5	1	1	21.00	19.97	0.453	0.574	

Note(s):

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

10.1.22. NR Band n26 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
AntA	Head	DFT-s-OFDM_QPSK	0	Left Touch	166300	831.5	1	52	25.00	23.85	0.072	0.094	
AntA	Head	DFT-s-OFDM_QPSK	0	Left Touch	166300	831.5	50	28	25.00	23.73	0.076	0.102	
AntA	Head	DFT-s-OFDM_QPSK	0	Left Tilt	166300	831.5	1	52	25.00	23.85	0.062	0.081	
AntA	Head	DFT-s-OFDM_QPSK	0	Left Tilt	166300	831.5	50	28	25.00	23.73	0.066	0.088	
AntA	Head	DFT-s-OFDM_QPSK	0	Right Touch	166300	831.5	1	52	25.00	23.85	0.092	0.120	
AntA	Head	DFT-s-OFDM_QPSK	0	Right Touch	166300	831.5	50	28	25.00	23.73	0.097	0.130	
AntA	Head	DFT-s-OFDM_QPSK	0	Right Tilt	166300	831.5	1	52	25.00	23.85	0.060	0.078	
AntA	Head	DFT-s-OFDM_QPSK	0	Right Tilt	166300	831.5	50	28	25.00	23.73	0.064	0.086	
AntA	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	166300	831.5	1	52	25.00	23.85	0.251	0.327	
AntA	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	166300	831.5	50	28	25.00	23.73	0.257	0.344	
AntA	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	166300	831.5	1	52	25.00	23.85	0.124	0.162	
AntA	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	166300	831.5	50	28	25.00	23.73	0.129	0.173	
AntA	Hotsopt	DFT-s-OFDM_QPSK	10	Bottom	166300	831.5	1	52	25.00	23.85	0.126	0.164	
AntA	Hotsopt	DFT-s-OFDM_QPSK	10	Bottom	166300	831.5	50	28	25.00	23.73	0.127	0.170	
AntA	Hotsopt	DFT-s-OFDM_QPSK	10	Right	166300	831.5	1	52	25.00	23.85	0.259	0.338	
AntA	Hotsopt	DFT-s-OFDM_QPSK	10	Right	166300	831.5	50	28	25.00	23.73	0.270	0.362	86
AntA	Head	CP-OFDM_QPSK	0	Right Touch	166300	831.5	1	1	23.50	22.34	0.076	0.099	
AntA	Hotsopt	CP-OFDM_QPSK	10	Right	166300	831.5	1	1	23.50	22.34	0.169	0.221	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
AntA+B	Head	DFT-s-OFDM_QPSK	0	Left Touch	166300	831.5	1	52	25.00	23.85	0.083	0.108	
AntA+B	Head	DFT-s-OFDM_QPSK	0	Left Touch	166300	831.5	50	28	25.00	23.73	0.086	0.115	
AntA+B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	166300	831.5	1	52	25.00	23.85	0.061	0.079	
AntA+B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	166300	831.5	50	28	25.00	23.73	0.063	0.084	
AntA+B	Head	DFT-s-OFDM_QPSK	0	Right Touch	166300	831.5	1	52	25.00	23.85	0.114	0.149	
AntA+B	Head	DFT-s-OFDM_QPSK	0	Right Touch	166300	831.5	50	28	25.00	23.73	0.117	0.157	87
AntA+B	Head	DFT-s-OFDM_QPSK	0	Right Tilt	166300	831.5	1	52	25.00	23.85	0.075	0.098	
AntA+B	Head	DFT-s-OFDM_QPSK	0	Right Tilt	166300	831.5	50	28	25.00	23.73	0.077	0.103	
AntA+B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	166300	831.5	1	52	25.00	23.85	0.339	0.442	
AntA+B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	166300	831.5	50	28	25.00	23.73	0.347	0.465	88
AntA+B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	166300	831.5	1	52	25.00	23.85	0.125	0.163	
AntA+B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	166300	831.5	50	28	25.00	23.73	0.125	0.167	
AntA+B	Hotsopt	DFT-s-OFDM_QPSK	10	Left	166300	831.5	1	52	25.00	23.85	0.121	0.158	
AntA+B	Hotsopt	DFT-s-OFDM_QPSK	10	Left	166300	831.5	50	28	25.00	23.73	0.121	0.162	
AntA+B	Hotsopt	DFT-s-OFDM_QPSK	10	Bottom	166300	831.5	1	52	25.00	23.85	0.125	0.163	
AntA+B	Hotsopt	DFT-s-OFDM_QPSK	10	Bottom	166300	831.5	50	28	25.00	23.73	0.134	0.180	
AntA+B	Hotsopt	DFT-s-OFDM_QPSK	10	Right	166300	831.5	1	52	25.00	23.85	0.286	0.373	
AntA+B	Hotsopt	DFT-s-OFDM_QPSK	10	Right	166300	831.5	50	28	25.00	23.73	0.286	0.383	
AntA+B	Head	CP-OFDM_QPSK	0	Right Touch	166300	831.5	1	1	23.50	22.34	0.078	0.102	
AntA+B	Body-worn & Hotspot	CP-OFDM_QPSK	10	Rear	166300	831.5	1	1	23.50	22.34	0.245	0.320	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.D	Head	DFT-s-OFDMQPSK	0	Left Touch	166300	831.5	1	1	25.00	23.81	0.159	0.209	
Ant.D	Head	DFT-s-OFDMQPSK	0	Left Touch	166300	831.5	50	28	25.00	23.68	0.171	0.232	89
Ant.D	Head	DFT-s-OFDMQPSK	0	Left Tilt	166300	831.5	1	1	25.00	23.81	0.123	0.162	
Ant.D	Head	DFT-s-OFDMQPSK	0	Left Tilt	166300	831.5	50	28	25.00	23.68	0.135	0.183	
Ant.D	Head	DFT-s-OFDMQPSK	0	Right Touch	166300	831.5	1	1	25.00	23.81	0.075	0.099	
Ant.D	Head	DFT-s-OFDMQPSK	0	Right Touch	166300	831.5	50	28	25.00	23.68	0.081	0.110	
Ant.D	Head	DFT-s-OFDMQPSK	0	Right Tilt	166300	831.5	1	1	25.00	23.81	0.065	0.085	
Ant.D	Head	DFT-s-OFDMQPSK	0	Right Tilt	166300	831.5	50	28	25.00	23.68	0.071	0.096	
Ant.D	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	166300	831.5	1	1	25.00	23.81	0.204	0.268	90
Ant.D	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	166300	831.5	50	28	25.00	23.68	0.187	0.253	
Ant.D	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	166300	831.5	1	1	25.00	23.81	0.078	0.103	
Ant.D	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	166300	831.5	50	28	25.00	23.68	0.085	0.115	
Ant.D	Hotspot	DFT-s-OFDMQPSK	10	Top	166300	831.5	1	1	25.00	23.81	0.115	0.151	
Ant.D	Hotspot	DFT-s-OFDMQPSK	10	Top	166300	831.5	50	28	25.00	23.68	0.135	0.183	
Ant.D	Hotspot	DFT-s-OFDMQPSK	10	Right	166300	831.5	1	1	25.00	23.81	0.144	0.189	
Ant.D	Hotspot	DFT-s-OFDMQPSK	10	Right	166300	831.5	50	28	25.00	23.68	0.185	0.251	
Ant.D	Head	CP-OFDMQPSK	0	Left Touch	166300	831.5	1	1	23.50	22.36	0.112	0.146	
Ant.D	Body-worn & Hotspot	CP-OFDMQPSK	10	Rear	166300	831.5	1	1	23.50	22.36	0.132	0.172	

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

10.1.23. NR Band n30 (10MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Touch	462000	2310.0	1	1	23.50	22.61	0.032	0.039	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Touch	462000	2310.0	25	13	23.50	22.56	0.045	0.056	91
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	462000	2310.0	1	1	23.50	22.61	0.028	0.034	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	462000	2310.0	25	13	23.50	22.56	0.018	0.022	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Touch	462000	2310.0	1	1	23.50	22.61	0.024	0.029	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Touch	462000	2310.0	25	13	23.50	22.56	0.031	0.038	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Tilt	462000	2310.0	1	1	23.50	22.61	0.018	0.022	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Tilt	462000	2310.0	25	13	23.50	22.56	0.030	0.037	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	462000	2310.0	1	1	19.00	18.30	0.446	0.524	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	462000	2310.0	25	13	19.00	18.28	0.462	0.545	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	462000	2310.0	1	1	19.00	18.30	0.146	0.172	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	462000	2310.0	25	13	19.00	18.28	0.139	0.164	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Left	462000	2310.0	1	1	19.00	18.30	0.034	0.040	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Left	462000	2310.0	25	13	19.00	18.28	0.035	0.041	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	462000	2310.0	1	1	19.00	18.30	0.719	0.845	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	462000	2310.0	25	13	19.00	18.28	0.726	0.857	92
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	462000	2310.0	50	0	19.00	18.17	0.683	0.827	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Right	462000	2310.0	1	1	19.00	18.30	0.086	0.101	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Right	462000	2310.0	25	13	19.00	18.28	0.091	0.107	
Ant.B	Head	CP-OFDM_QPSK	0	Left Touch	462000	2310.0	1	1	22.00	21.27	0.028	0.033	
Ant.B	Hotspot	CP-OFDM_QPSK	10	Bottom	462000	2310.0	1	1	19.00	18.17	0.684	0.828	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Touch	462000	2310.0	1	1	21.50	20.59	0.689	0.850	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Touch	462000	2310.0	25	13	21.50	20.48	0.692	0.875	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Touch	462000	2310.0	50	0	20.50	20.40	0.716	0.733	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Tilt	462000	2310.0	1	1	21.50	20.59	0.818	1.009	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Tilt	462000	2310.0	25	13	21.50	20.48	0.825	1.043	93
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Tilt	462000	2310.0	50	0	20.50	20.40	0.797	0.816	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Touch	462000	2310.0	1	1	21.50	20.59	0.619	0.763	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Touch	462000	2310.0	25	13	21.50	20.48	0.627	0.793	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	462000	2310.0	1	1	21.50	20.59	0.760	0.937	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	462000	2310.0	25	13	21.50	20.48	0.768	0.971	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	462000	2310.0	50	0	20.50	20.40	0.751	0.768	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	462000	2310.0	1	1	22.00	20.68	0.332	0.450	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	462000	2310.0	25	13	22.00	20.46	0.325	0.463	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	462000	2310.0	1	1	22.00	20.68	0.171	0.232	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	462000	2310.0	25	13	22.00	20.46	0.170	0.242	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Top	462000	2310.0	1	1	22.00	20.68	0.478	0.648	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Top	462000	2310.0	25	13	22.00	20.46	0.472	0.673	94
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Left	462000	2310.0	1	1	22.00	20.68	0.063	0.085	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Left	462000	2310.0	25	13	22.00	20.46	0.059	0.084	
Ant.E	Head	CP-OFDMQPSK	0	Left Tilt	462000	2310.0	25	13	21.50	20.48	0.725	0.917	
Ant.E	Body-worn & Hotspot	CP-OFDMQPSK	10	Rear	462000	2310.0	1	1	22.00	20.68	0.444	0.602	

Note(s):

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

10.1.24. NR Band n66 (40MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Touch	349000	1745.0	1	1	24.50	23.40	0.109	0.140	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Touch	349000	1745.0	108	54	24.50	23.21	0.111	0.149	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	349000	1745.0	1	1	24.50	23.40	0.095	0.122	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	349000	1745.0	108	54	24.50	23.21	0.114	0.153	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Touch	349000	1745.0	1	1	24.50	23.40	0.135	0.174	95
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Touch	349000	1745.0	108	54	24.50	23.21	0.116	0.156	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Tilt	349000	1745.0	1	1	24.50	23.40	0.100	0.129	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Tilt	349000	1745.0	108	54	24.50	23.21	0.107	0.144	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	349000	1745.0	1	1	20.00	18.91	0.520	0.668	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	349000	1745.0	108	54	20.00	18.84	0.546	0.713	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	349000	1745.0	1	1	20.00	18.91	0.212	0.272	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	349000	1745.0	108	54	20.00	18.84	0.226	0.295	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Left	349000	1745.0	1	1	20.00	18.91	0.075	0.096	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Left	349000	1745.0	108	54	20.00	18.84	0.089	0.117	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	349000	1745.0	1	1	20.00	18.91	0.803	1.032	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	349000	1745.0	108	54	20.00	18.84	0.883	1.153	96
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	349000	1745.0	216	0	20.00	18.87	0.842	1.092	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Right	349000	1745.0	1	1	20.00	18.91	0.141	0.181	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Right	349000	1745.0	108	54	20.00	18.84	0.165	0.216	
Ant.B	Head	CP-OFDM_QPSK	0	RightTouch	349000	1745.0	1	1	23.00	21.93	0.100	0.128	
Ant.B	Hotspot	CP-OFDM_QPSK	10	Bottom	349000	1745.0	1	1	20.00	18.87	0.793	1.029	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Touch	349000	1745.0	1	214	22.50	21.22	0.362	0.486	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Touch	349000	1745.0	108	54	22.50	21.11	0.348	0.479	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Tilt	349000	1745.0	1	214	22.50	21.22	0.536	0.720	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Tilt	349000	1745.0	108	54	22.50	21.11	0.541	0.745	97
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Touch	349000	1745.0	1	214	22.50	21.22	0.388	0.521	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Touch	349000	1745.0	108	54	22.50	21.11	0.360	0.496	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	349000	1745.0	1	214	22.50	21.22	0.455	0.611	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	349000	1745.0	108	54	22.50	21.11	0.451	0.621	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	349000	1745.0	1	214	21.00	19.72	0.315	0.423	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	349000	1745.0	108	54	21.00	19.45	0.331	0.473	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	349000	1745.0	1	214	21.00	19.72	0.087	0.117	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	349000	1745.0	108	54	21.00	19.45	0.084	0.120	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Top	349000	1745.0	1	214	21.00	19.72	0.502	0.674	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Top	349000	1745.0	108	54	21.00	19.45	0.505	0.722	98
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Left	349000	1745.0	1	214	21.00	19.72	0.076	0.102	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Left	349000	1745.0	108	54	21.00	19.45	0.076	0.109	
Ant.E	Head	CP-OFDMQPSK	15	LeftTilt	349000	1745.0	1	1	22.50	21.05	0.527	0.736	
Ant.E	Hotspot	CP-OFDMQPSK	10	Top	349000	1745.0	1	1	21.00	19.47	0.430	0.612	

Note(s):

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

10.1.25. NR Band n70 (15MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Touch	340500	1702.5	1	1	24.00	23.54	0.079	0.088	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Touch	340500	1702.5	36	21	24.00	23.28	0.087	0.103	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	340500	1702.5	1	1	24.00	23.54	0.108	0.120	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	340500	1702.5	36	21	24.00	23.28	0.111	0.131	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Touch	340500	1702.5	1	1	24.00	23.54	0.111	0.123	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Touch	340500	1702.5	36	21	24.00	23.28	0.110	0.130	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Tilt	340500	1702.5	1	1	24.00	23.54	0.130	0.145	
Ant.B	Head	DFT-s-OFDM_QPSK	0	Right Tilt	340500	1702.5	36	21	24.00	23.28	0.145	0.171	99
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	340500	1702.5	1	1	20.00	19.76	0.527	0.557	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	340500	1702.5	36	21	20.00	19.51	0.535	0.599	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	340500	1702.5	1	1	20.00	19.76	0.171	0.181	
Ant.B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	340500	1702.5	36	21	20.00	19.51	0.178	0.199	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Left	340500	1702.5	1	1	20.00	19.76	0.065	0.069	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Left	340500	1702.5	36	21	20.00	19.51	0.064	0.072	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	340500	1702.5	1	1	20.00	19.76	0.581	0.614	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	340500	1702.5	36	21	20.00	19.51	0.576	0.645	100
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Right	340500	1702.5	1	1	20.00	19.76	0.121	0.128	
Ant.B	Hotspot	DFT-s-OFDM_QPSK	10	Right	340500	1702.5	36	21	20.00	19.51	0.120	0.134	
Ant.B	Head	CP-OFDM_QPSK	0	Right Tilt	340500	1702.5	1	1	22.50	22.09	0.131	0.144	
Ant.B	Hotspot	CP-OFDM_QPSK	10	Bottom	340500	1702.5	1	1	20.00	19.84	0.567	0.588	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Touch	340500	1702.5	1	1	23.50	22.26	0.342	0.455	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Touch	340500	1702.5	36	21	23.50	22.19	0.362	0.489	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Tilt	340500	1702.5	1	1	23.50	22.26	0.518	0.689	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Tilt	340500	1702.5	36	21	23.50	22.19	0.565	0.764	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Touch	340500	1702.5	1	1	23.50	22.26	0.428	0.569	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Touch	340500	1702.5	36	21	23.50	22.19	0.456	0.617	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	340500	1702.5	1	1	23.50	22.26	0.550	0.732	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	340500	1702.5	36	21	23.50	22.19	0.589	0.796	101
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	340500	1702.5	1	1	22.00	21.01	0.491	0.617	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	340500	1702.5	36	21	22.00	20.78	0.525	0.695	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	340500	1702.5	1	1	22.00	21.01	0.101	0.127	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	340500	1702.5	36	21	22.00	20.78	0.103	0.136	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Top	340500	1702.5	1	1	22.00	21.01	0.519	0.652	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Top	340500	1702.5	36	21	22.00	20.78	0.549	0.727	102
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Left	340500	1702.5	1	1	22.00	21.01	0.065	0.082	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Left	340500	1702.5	36	21	22.00	20.78	0.067	0.089	
Ant.E	Head	CP-OFDMQPSK	0	Right Tilt	340500	1702.5	1	1	22.50	21.62	0.397	0.486	
Ant.E	Hotspot	CP-OFDMQPSK	10	Top	340500	1702.5	1	1	22.00	21.10	0.517	0.636	

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 Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A	Head	DFT-s-OFDM_QPSK	0	Left Touch	136100	680.5	1	52	25.00	23.96	0.093	0.118	
Ant.A	Head	DFT-s-OFDM_QPSK	0	Left Touch	136100	680.5	50	28	25.00	24.04	0.096	0.120	
Ant.A	Head	DFT-s-OFDM_QPSK	0	Left Tilt	136100	680.5	1	52	25.00	23.96	0.053	0.067	
Ant.A	Head	DFT-s-OFDM_QPSK	0	Left Tilt	136100	680.5	50	28	25.00	24.04	0.055	0.069	
Ant.A	Head	DFT-s-OFDM_QPSK	0	Right Touch	136100	680.5	1	52	25.00	23.96	0.134	0.170	
Ant.A	Head	DFT-s-OFDM_QPSK	0	Right Touch	136100	680.5	50	28	25.00	24.04	0.137	0.171	
Ant.A	Head	DFT-s-OFDM_QPSK	0	Right Tilt	136100	680.5	1	52	25.00	23.96	0.073	0.093	
Ant.A	Head	DFT-s-OFDM_QPSK	0	Right Tilt	136100	680.5	50	28	25.00	24.04	0.075	0.094	
Ant.A	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	136100	680.5	1	52	25.00	23.96	0.256	0.325	
Ant.A	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	136100	680.5	50	28	25.00	24.04	0.246	0.307	
Ant.A	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	136100	680.5	1	52	25.00	23.96	0.146	0.186	
Ant.A	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	136100	680.5	50	28	25.00	24.04	0.149	0.186	
Ant.A	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	136100	680.5	1	52	25.00	23.96	0.168	0.213	
Ant.A	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	136100	680.5	50	28	25.00	24.04	0.170	0.212	
Ant.A	Hotspot	DFT-s-OFDM_QPSK	10	Right	136100	680.5	1	52	25.00	23.96	0.334	0.424	
Ant.A	Hotspot	DFT-s-OFDM_QPSK	10	Right	136100	680.5	50	28	25.00	24.04	0.341	0.425	103
Ant.A	Head	CP-OFDM_QPSK	0	Right Touch	136100	680.5	1	1	23.50	22.47	0.099	0.125	
Ant.A	Hotspot	CP-OFDM_QPSK	10	Right	136100	680.5	1	1	23.50	22.47	0.274	0.347	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A+B	Head	DFT-s-OFDM_QPSK	0	Left Touch	136100	680.5	1	52	25.00	23.96	0.144	0.183	
Ant.A+B	Head	DFT-s-OFDM_QPSK	0	Left Touch	136100	680.5	50	28	25.00	24.04	0.137	0.171	
Ant.A+B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	136100	680.5	1	52	25.00	23.96	0.078	0.099	
Ant.A+B	Head	DFT-s-OFDM_QPSK	0	Left Tilt	136100	680.5	50	28	25.00	24.04	0.075	0.094	
Ant.A+B	Head	DFT-s-OFDM_QPSK	0	Right Touch	136100	680.5	1	52	25.00	23.96	0.156	0.198	
Ant.A+B	Head	DFT-s-OFDM_QPSK	0	Right Touch	136100	680.5	50	28	25.00	24.04	0.164	0.205	104
Ant.A+B	Head	DFT-s-OFDM_QPSK	0	Right Tilt	136100	680.5	1	52	25.00	23.96	0.084	0.107	
Ant.A+B	Head	DFT-s-OFDM_QPSK	0	Right Tilt	136100	680.5	50	28	25.00	24.04	0.090	0.112	
Ant.A+B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	136100	680.5	1	52	25.00	23.96	0.293	0.372	
Ant.A+B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Rear	136100	680.5	50	28	25.00	24.04	0.248	0.309	
Ant.A+B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	136100	680.5	1	52	25.00	23.96	0.147	0.187	
Ant.A+B	Body-worn & Hotspot	DFT-s-OFDM_QPSK	10	Front	136100	680.5	50	28	25.00	24.04	0.126	0.157	
Ant.A+B	Hotspot	DFT-s-OFDM_QPSK	10	Left	136100	680.5	1	52	25.00	23.96	0.127	0.161	
Ant.A+B	Hotspot	DFT-s-OFDM_QPSK	10	Left	136100	680.5	50	28	25.00	24.04	0.122	0.152	
Ant.A+B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	136100	680.5	1	52	25.00	23.96	0.183	0.233	
Ant.A+B	Hotspot	DFT-s-OFDM_QPSK	10	Bottom	136100	680.5	50	28	25.00	24.04	0.186	0.232	
Ant.A+B	Hotspot	DFT-s-OFDM_QPSK	10	Right	136100	680.5	1	52	25.00	23.96	0.371	0.471	
Ant.A+B	Hotspot	DFT-s-OFDM_QPSK	10	Right	136100	680.5	50	28	25.00	24.04	0.391	0.488	105
Ant.A+B	Head	CP-OFDM_QPSK	0	Right touch	136100	680.5	1	1	23.50	22.47	0.113	0.143	
Ant.A+B	Hotspot	CP-OFDM_QPSK	10	Right	136100	680.5	50	28	23.50	22.47	0.286	0.363	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.D	Head	DFT-s-OFDMQPSK	0	Left Touch	136100	680.5	1	52	25.00	24.07	0.210	0.260	106
Ant.D	Head	DFT-s-OFDMQPSK	0	Left Touch	136100	680.5	50	28	25.00	24.11	0.197	0.242	
Ant.D	Head	DFT-s-OFDMQPSK	0	Left Tilt	136100	680.5	1	52	25.00	24.07	0.131	0.162	
Ant.D	Head	DFT-s-OFDMQPSK	0	Left Tilt	136100	680.5	50	28	25.00	24.11	0.142	0.174	
Ant.D	Head	DFT-s-OFDMQPSK	0	Right Touch	136100	680.5	1	52	25.00	24.07	0.098	0.121	
Ant.D	Head	DFT-s-OFDMQPSK	0	Right Touch	136100	680.5	50	28	25.00	24.11	0.098	0.120	
Ant.D	Head	DFT-s-OFDMQPSK	0	Right Tilt	136100	680.5	1	52	25.00	24.07	0.072	0.089	
Ant.D	Head	DFT-s-OFDMQPSK	0	Right Tilt	136100	680.5	50	28	25.00	24.11	0.072	0.088	
Ant.D	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	136100	680.5	1	52	25.00	24.07	0.195	0.242	
Ant.D	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	136100	680.5	50	28	25.00	24.11	0.197	0.242	
Ant.D	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	136100	680.5	1	52	25.00	24.07	0.070	0.087	
Ant.D	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	136100	680.5	50	28	25.00	24.11	0.072	0.088	
Ant.D	Hotspot	DFT-s-OFDMQPSK	10	Top	136100	680.5	1	52	25.00	24.07	0.142	0.176	
Ant.D	Hotspot	DFT-s-OFDMQPSK	10	Top	136100	680.5	50	28	25.00	24.11	0.140	0.172	
Ant.D	Hotspot	DFT-s-OFDMQPSK	10	Right	136100	680.5	1	52	25.00	24.07	0.218	0.270	
Ant.D	Hotspot	DFT-s-OFDMQPSK	10	Right	136100	680.5	50	28	25.00	24.11	0.220	0.270	107
Ant.D	Head	CP-OFDMQPSK	0	Left Touch	136100	680.5	1	1	23.50	22.56	0.143	0.178	
Ant.D	Hotspot	CP-OFDMQPSK	10	Right	136100	680.5	1	1	23.50	22.56	0.173	0.215	

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

10.1.27. NR Band n41 (100MHz Bandwidth)

(Voice/data/SRS0)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant E	Head	DFT-s-OFDMQPSK	0	Left Touch	518598	2592.99	1	136	23.00	22.81	0.188	0.196	
Ant E	Head	DFT-s-OFDMQPSK	0	Left Touch	518598	2592.99	135	69	23.00	22.83	0.155	0.161	
Ant E	Head	DFT-s-OFDMQPSK	0	Left Tilt	518598	2592.99	1	136	23.00	22.81	0.278	0.290	108
Ant E	Head	DFT-s-OFDMQPSK	0	Left Tilt	518598	2592.99	135	69	23.00	22.83	0.247	0.257	
Ant E	Head	DFT-s-OFDMQPSK	0	Right Touch	518598	2592.99	1	136	23.00	22.81	0.221	0.231	
Ant E	Head	DFT-s-OFDMQPSK	0	Right Touch	518598	2592.99	135	69	23.00	22.83	0.166	0.173	
Ant E	Head	DFT-s-OFDMQPSK	0	Right Tilt	518598	2592.99	1	136	23.00	22.81	0.319	0.333	
Ant E	Head	DFT-s-OFDMQPSK	0	Right Tilt	518598	2592.99	135	69	23.00	22.83	0.241	0.251	
Ant E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	518598	2592.99	1	136	20.00	19.67	0.203	0.219	
Ant E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	518598	2592.99	135	69	20.00	19.65	0.212	0.230	
Ant E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	518598	2592.99	1	136	20.00	19.67	0.028	0.030	
Ant E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	518598	2592.99	135	69	20.00	19.65	0.031	0.034	
Ant E	Hotspot	DFT-s-OFDMQPSK	10	Top	518598	2592.99	1	136	20.00	19.67	0.230	0.248	109
Ant E	Hotspot	DFT-s-OFDMQPSK	10	Top	518598	2592.99	135	69	20.00	19.65	0.229	0.248	
Ant E	Hotspot	DFT-s-OFDMQPSK	10	Left	518598	2592.99	1	136	20.00	19.67	0.031	0.033	
Ant E	Hotspot	DFT-s-OFDMQPSK	10	Left	518598	2592.99	135	69	20.00	19.65	0.048	0.052	
Ant E	Head	CP-OFDMQPSK	0	Right Tilt	518598	2592.99	1	1	23.00	22.82	0.197	0.205	
Ant E	Hotspot	CP-OFDMQPSK	10	Top	518598	2592.99	1	1	20.00	19.69	0.310	0.333	

(SRS1)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant E	Head	CW	0	Right Tilt	518598	2592.99	23.00	22.63	0.397	0.432	110
Ant E	Hotspot	CW	10	Top	518598	2592.99	20.00	19.59	0.370	0.407	111

(Voice/data/SRS0)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant B	Head	DFT-s-OFDMQPSK	0	Left Touch	518598	2592.99	1	1	26.00	25.98	0.064	0.064	
Ant B	Head	DFT-s-OFDMQPSK	0	Left Touch	518598	2592.99	135	69	26.00	25.88	0.036	0.037	
Ant B	Head	DFT-s-OFDMQPSK	0	Left Tilt	518598	2592.99	1	1	26.00	25.98	0.044	0.045	
Ant B	Head	DFT-s-OFDMQPSK	0	Left Tilt	518598	2592.99	135	69	26.00	25.88	0.013	0.013	
Ant B	Head	DFT-s-OFDMQPSK	0	Right Touch	518598	2592.99	1	1	26.00	25.98	0.074	0.074	112
Ant B	Head	DFT-s-OFDMQPSK	0	Right Touch	518598	2592.99	135	69	26.00	25.88	0.052	0.054	
Ant B	Head	DFT-s-OFDMQPSK	0	Right Tilt	518598	2592.99	1	1	26.00	25.98	0.007	0.007	
Ant B	Head	DFT-s-OFDMQPSK	0	Right Tilt	518598	2592.99	135	69	26.00	25.88	0.009	0.009	
Ant B	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	518598	2592.99	1	1	19.00	18.88	0.571	0.587	
Ant B	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	518598	2592.99	135	69	19.00	18.79	0.588	0.617	
Ant B	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	518598	2592.99	1	1	19.00	18.88	0.102	0.105	
Ant B	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	518598	2592.99	135	69	19.00	18.79	0.111	0.116	
Ant B	Hotspot	DFT-s-OFDMQPSK	10	Left	518598	2592.99	1	1	19.00	18.88	0.034	0.035	
Ant B	Hotspot	DFT-s-OFDMQPSK	10	Left	518598	2592.99	135	69	19.00	18.79	0.046	0.048	
Ant B	Hotspot	DFT-s-OFDMQPSK	10	Bottom	518598	2592.99	1	1	19.00	18.88	0.895	0.920	113
Ant B	Hotspot	DFT-s-OFDMQPSK	10	Bottom	518598	2592.99	135	69	19.00	18.79	0.869	0.912	
Ant B	Hotspot	DFT-s-OFDMQPSK	10	Bottom	518598	2592.99	270	0	19.00	18.87	0.814	0.839	
Ant B	Hotspot	DFT-s-OFDMQPSK	10	Right	518598	2592.99	1	1	19.00	18.88	0.093	0.096	
Ant B	Hotspot	DFT-s-OFDMQPSK	10	Right	518598	2592.99	135	69	19.00	18.79	0.121	0.127	
Ant B	Head	CP-OFDMQPSK	0	Right Touch	518598	2592.99	1	1	24.50	24.39	0.070	0.072	
Ant B	Hotspot	CP-OFDMQPSK	10	Bottom	518598	2592.99	1	1	19.00	18.98	0.864	0.868	

(SRS1)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant B	Head	CW	0	Right Touch	518598	2592.99	26.00	25.46	0.041	0.046	114
Ant B	Hotspot	CW	10	Bottom	518598	2592.99	19.00	18.52	0.599	0.669	115

Note(s):

1. CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.
2. SRS1 SAR test performed at worst configuration at Voice/data/SRS0 test result of each RF exposure conditions.

(SRS2/SRS3)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant C	Head	CW	0	Left Touch	518598	2592.99	13.00	11.85	0.000	0.000	
Ant C	Head	CW	0	Left Tilt	518598	2592.99	13.00	11.85	0.000	0.000	
Ant C	Head	CW	0	Right Touch	518598	2592.99	13.00	11.85	0.000	0.000	
Ant C	Head	CW	0	Right Tilt	518598	2592.99	13.00	11.85	0.000	0.000	
Ant C	Body-worn & Hotspot	CW	10	Rear	518598	2592.99	13.00	11.85	0.053	0.069	
Ant C	Body-worn & Hotspot	CW	10	Front	518598	2592.99	13.00	11.85	0.000	0.000	
Ant C	Hotspot	CW	10	Left	518598	2592.99	13.00	11.85	0.000	0.000	
Ant C	Hotspot	CW	10	Bottom	518598	2592.99	13.00	11.85	0.067	0.088	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.G	Head	CW	0	Left Touch	518598	2592.99	13.00	12.23	0.000	0.000	
Ant.G	Head	CW	0	Left Tilt	518598	2592.99	13.00	12.23	0.000	0.000	
Ant.G	Head	CW	0	Right Touch	518598	2592.99	13.00	12.23	0.000	0.000	
Ant.G	Head	CW	0	Right Tilt	518598	2592.99	13.00	12.23	0.000	0.000	
Ant.G	Body-worn & Hotspot	CW	10	Rear	518598	2592.99	13.00	12.23	0.011	0.013	
Ant.G	Body-worn & Hotspot	CW	10	Front	518598	2592.99	13.00	12.23	0.000	0.000	
Ant.G	Hotspot	CW	10	Right	518598	2592.99	13.00	12.23	0.008	0.009	

10.1.28. NR Band n48 (40MHz Bandwidth)

(Voice/data/SRS0)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant E	Head	DFT-s-OFDMQPSK	0	Left Touch	638000	3570	1	1	20.00	19.91	0.326	0.333	
Ant E	Head	DFT-s-OFDMQPSK	0	Left Touch	638000	3570	50	0	20.00	19.89	0.321	0.329	
Ant E	Head	DFT-s-OFDMQPSK	0	Left Tilt	638000	3570	1	1	20.00	19.91	0.409	0.418	
Ant E	Head	DFT-s-OFDMQPSK	0	Left Tilt	638000	3570	50	0	20.00	19.89	0.340	0.349	
Ant E	Head	DFT-s-OFDMQPSK	0	Right Touch	638000	3570	1	1	20.00	19.91	0.619	0.632	
Ant E	Head	DFT-s-OFDMQPSK	0	Right Touch	638000	3570	50	0	20.00	19.89	0.587	0.602	
Ant E	Head	DFT-s-OFDMQPSK	0	Right Touch	641666	3624.99	1	1	20.00	19.57	0.835	0.922	
Ant E	Head	DFT-s-OFDMQPSK	0	Right Touch	641666	3624.99	50	0	20.00	19.63	0.817	0.890	
Ant E	Head	DFT-s-OFDMQPSK	0	Right Touch	641666	3624.99	100	0	20.00	19.74	0.718	0.762	
Ant E	Head	DFT-s-OFDMQPSK	0	Right Touch	645332	3679.98	1	1	20.00	19.88	0.905	0.930	
Ant E	Head	DFT-s-OFDMQPSK	0	Right Touch	645332	3679.98	50	0	20.00	19.86	0.927	0.957	
Ant E	Head	DFT-s-OFDMQPSK	0	Righttt Tilt	638000	3570	1	1	20.00	19.91	0.790	0.807	
Ant E	Head	DFT-s-OFDMQPSK	0	Righttt Tilt	638000	3570	50	0	20.00	19.89	0.759	0.778	
Ant E	Head	DFT-s-OFDMQPSK	0	Righttt Tilt	641666	3624.99	1	1	20.00	19.57	0.894	0.987	
Ant E	Head	DFT-s-OFDMQPSK	0	Righttt Tilt	641666	3624.99	50	0	20.00	19.63	0.954	1.039	
Ant E	Head	DFT-s-OFDMQPSK	0	Righttt Tilt	641666	3624.99	100	0	20.00	19.74	0.907	0.963	
Ant E	Head	DFT-s-OFDMQPSK	0	Righttt Tilt	645332	3679.98	1	1	20.00	19.88	1.040	1.069	116
Ant E	Head	DFT-s-OFDMQPSK	0	Righttt Tilt	645332	3679.98	50	0	20.00	19.86	1.020	1.053	
Ant E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	638000	3570	1	1	19.00	17.74	0.256	0.342	
Ant E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	638000	3570	50	0	19.00	17.65	0.243	0.332	
Ant E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	638000	3570	1	1	19.00	17.74	0.040	0.053	
Ant E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	638000	3570	50	0	19.00	17.65	0.050	0.068	
Ant E	Hotspot	DFT-s-OFDMQPSK	10	Top	638000	3570	1	1	19.00	17.74	0.343	0.458	117
Ant E	Hotspot	DFT-s-OFDMQPSK	10	Top	638000	3570	50	0	19.00	17.65	0.312	0.426	
Ant E	Hotspot	DFT-s-OFDMQPSK	10	Left	638000	3570	1	1	19.00	17.74	0.041	0.055	
Ant E	Hotspot	DFT-s-OFDMQPSK	10	Left	638000	3570	50	0	19.00	17.65	0.043	0.059	
Ant E	Head	CP-OFDMQPSK	0	Right Touch	645332	3570	1	1	20.00	19.64	0.685	0.744	
Ant E	Hotspot	CP-OFDMQPSK	10	Top	638000	3570	1	1	19.00	17.68	0.312	0.423	

(SRS1/SRS2/SRS3)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant C	Head	CW	0	Left Touch	638000	3570	15.00	14.75	0.000	0.000	
Ant C	Head	CW	0	Left Tilt	638000	3570	15.00	14.75	0.000	0.000	
Ant C	Head	CW	0	Right Touch	638000	3570	15.00	14.75	<0.001	<0.001	
Ant C	Head	CW	0	Righttt Tilt	638000	3570	15.00	14.75	0.000	0.000	
Ant C	Body-worn & Hotspot	CW	10	Rear	638000	3570	15.00	14.75	0.177	0.187	
Ant C	Body-worn & Hotspot	CW	10	Front	638000	3570	15.00	14.75	0.005	0.005	
Ant C	Hotspot	CW	10	Left	638000	3570	15.00	14.75	0.077	0.082	
Ant C	Hotspot	CW	10	Bottom	638000	3570	15.00	14.75	0.106	0.112	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.F	Head	CW	0	Left Touch	641666	3624.99	15.00	14.41	0.082	0.094	
Ant.F	Head	CW	0	Left Tilt	641666	3624.99	15.00	14.41	0.122	0.140	118
Ant.F	Head	CW	0	Right Touch	641666	3624.99	15.00	14.41	0.061	0.070	
Ant.F	Head	CW	0	Righttt Tilt	641666	3624.99	15.00	14.41	0.074	0.085	
Ant.F	Body-worn & Hotspot	CW	10	Rear	641666	3624.99	15.00	14.41	0.174	0.199	119
Ant.F	Body-worn & Hotspot	CW	10	Front	641666	3624.99	15.00	14.41	0.022	0.025	
Ant.F	Hotspot	CW	10	Top	641666	3624.99	15.00	14.41	0.122	0.140	
Ant.F	Hotspot	CW	10	Left	641666	3624.99	15.00	14.41	0.006	0.007	
Ant.F	Hotspot	CW	10	Right	641666	3624.99	15.00	14.41	0.028	0.032	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A	Head	CW	0	Left Touch	638000	3570	15.00	14.22	0.000	0.000	
Ant.A	Head	CW	0	Left Tilt	638000	3570	15.00	14.22	0.000	0.000	
Ant.A	Head	CW	0	Right Touch	638000	3570	15.00	14.22	<0.001	<0.001	
Ant.A	Head	CW	0	Righttt Tilt	638000	3570	15.00	14.22	<0.001	<0.001	
Ant.A	Body-worn & Hotspot	CW	10	Rear	638000	3570	15.00	14.22	0.065	0.078	
Ant.A	Body-worn & Hotspot	CW	10	Front	638000	3570	15.00	14.22	0.011	0.013	
Ant.A	Hotspot	CW	10	Bottom	638000	3570	15.00	14.22	0.042	0.050	
Ant.A	Hotspot	CW	10	Right	638000	3570	15.00	14.22	0.087	0.104	

Note(s):

1. CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in standalone exposure conditions.
2. NR Band n48 tested using FTM mode.

10.1.29. NR Band n77 (100MHz Bandwidth)

(Voice/data/SRS0)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Touch	662000	3930	1	1	18.00	17.41	0.254	0.291	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Touch	662000	3930	135	0	18.00	17.19	0.254	0.306	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Tilt	650000	3750	1	1	18.00	17.39	0.234	0.269	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Tilt	650000	3750	135	0	18.00	17.14	0.251	0.306	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Tilt	662000	3930	1	1	18.00	17.41	0.365	0.418	
Ant.E	Head	DFT-s-OFDMQPSK	0	Left Tilt	662000	3930	135	0	18.00	17.19	0.324	0.390	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Touch	650000	3750	1	1	18.00	17.39	0.338	0.389	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Touch	650000	3750	135	0	18.00	17.14	0.447	0.545	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Touch	662000	3930	1	1	18.00	17.41	0.466	0.534	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Touch	662000	3930	135	0	18.00	17.19	0.430	0.518	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	633334	3500.01	1	1	18.00	17.67	0.256	0.276	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	633334	3500.01	135	0	18.00	17.55	0.240	0.266	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	650000	3750	1	1	18.00	17.39	0.445	0.512	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	650000	3750	135	0	18.00	17.14	0.540	0.658	
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	662000	3930	1	1	18.00	17.41	0.627	0.718	120
Ant.E	Head	DFT-s-OFDMQPSK	0	Right Tilt	662000	3930	135	0	18.00	17.19	0.533	0.642	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	662000	3930	1	1	18.00	17.41	0.243	0.278	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Rear	662000	3930	135	0	18.00	17.19	0.242	0.292	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	662000	3930	1	1	18.00	17.41	0.034	0.039	
Ant.E	Body-worn & Hotspot	DFT-s-OFDMQPSK	10	Front	662000	3930	135	0	18.00	17.19	0.027	0.033	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Top	633334	3500.01	1	1	18.00	17.67	0.237	0.256	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Top	650000	3750	1	1	18.00	17.39	0.391	0.450	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Top	650000	3750	135	0	18.00	17.14	0.359	0.438	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Top	662000	3930	1	1	18.00	17.41	0.462	0.529	121
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Top	662000	3930	135	0	18.00	17.19	0.416	0.501	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Left	662000	3930	1	1	18.00	17.41	0.062	0.071	
Ant.E	Hotspot	DFT-s-OFDMQPSK	10	Left	662000	3930	135	0	18.00	17.19	0.054	0.065	
Ant.E	Head	CP-OFDMQPSK	0	RightTilt	662000	3930	1	1	18.00	17.94	0.575	0.583	
Ant.E	Hotspot	CP-OFDMQPSK	10	Top	662000	3930	1	1	18.00	17.96	0.314	0.317	

(SRS1/SRS2/SRS3)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.C	Head	CW	0	Left Touch	662000	3930	15.00	13.68	0.000	0.000	
Ant.C	Head	CW	0	Left Tilt	662000	3930	15.00	13.68	0.000	0.000	
Ant.C	Head	CW	0	Right Touch	662000	3930	15.00	13.68	0.000	0.000	
Ant.C	Head	CW	0	Right Tilt	633334	3500.01	15.00	14.63	0.000	0.000	
Ant.C	Head	CW	0	Right Tilt	662000	3930	15.00	13.68	0.001	0.001	
Ant.C	Body-worn & Hotspot	CW	10	Rear	662000	3930	15.00	13.68	0.125	0.169	
Ant.C	Body-worn & Hotspot	CW	10	Front	662000	3930	15.00	13.68	0.000	0.000	
Ant.C	Hotspot	CW	10	Left	662000	3930	15.00	13.68	0.000	0.000	
Ant.C	Hotspot	CW	10	Bottom	633334	3500.01	15.00	14.63	0.263	0.286	
Ant.C	Hotspot	CW	10	Bottom	662000	3930	15.00	13.68	0.191	0.259	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.F	Head	CW	0	Left Touch	662000	3930	15.00	14.55	0.046	0.051	
Ant.F	Head	CW	0	Left Tilt	633334	3500.01	15.00	14.77	0.130	0.137	122
Ant.F	Head	CW	0	Left Tilt	662000	3930	15.00	14.55	0.072	0.080	
Ant.F	Head	CW	0	Right Touch	662000	3930	15.00	14.55	0.038	0.042	
Ant.F	Head	CW	0	Right Tilt	662000	3930	15.00	14.55	0.054	0.060	
Ant.F	Body-worn & Hotspot	CW	10	Rear	633334	3500.01	15.00	14.77	0.190	0.200	
Ant.F	Body-worn & Hotspot	CW	10	Rear	662000	3930	15.00	14.55	0.235	0.261	123
Ant.F	Body-worn & Hotspot	CW	10	Front	662000	3930	15.00	14.55	0.024	0.027	
Ant.F	Hotspot	CW	10	Top	662000	3930	15.00	14.55	0.114	0.126	
Ant.F	Hotspot	CW	10	Left	662000	3930	15.00	14.55	0.006	0.007	
Ant.F	Hotspot	CW	10	Right	662000	3930	15.00	14.55	0.023	0.026	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.A	Head	CW	0	Left Touch	650000	3750	15.00	14.42	<0.001	<0.001	
Ant.A	Head	CW	0	Left Tilt	650000	3750	15.00	14.42	<0.001	<0.001	
Ant.A	Head	CW	0	Right Touch	633334	3499.98	15.00	14.49	0.005	0.006	
Ant.A	Head	CW	0	Right Touch	650000	3750	15.00	14.42	0.006	0.007	
Ant.A	Head	CW	0	Right Tilt	650000	3750	15.00	14.42	<0.001	<0.001	
Ant.A	Body-worn & Hotspot	CW	10	Rear	633334	3499.98	15.00	14.49	0.047	0.053	
Ant.A	Body-worn & Hotspot	CW	10	Rear	650000	3750	15.00	14.42	0.167	0.191	
Ant.A	Body-worn & Hotspot	CW	10	Front	650000	3750	15.00	14.42	0.013	0.014	
Ant.A	Hotspot	CW	10	Bottom	650000	3750	15.00	14.42	0.166	0.190	
Ant.A	Hotspot	CW	10	Right	650000	3750	15.00	14.42	0.088	0.100	

Note(s):

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

10.1.30. Wi-Fi (DTS Band)

DTS SISO Ant.G SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.G	Head	802.11b 1Mbps	0	Left Touch	6	2437	0.254	98.8	18.00	17.17	0.199	0.244	
Ant.G	Head	802.11b 1Mbps	0	Left Tilt	6	2437	0.078	98.8	18.00	17.17	0.065	0.080	
Ant.G	Head	802.11b 1Mbps	0	Right Touch	6	2437	0.171	98.8	18.00	17.17	0.150	0.184	
Ant.G	Head	802.11b 1Mbps	0	Right Tilt	6	2437	0.136	98.8	18.00	17.17	0.105	0.129	
Ant.G	Body-worn & Hotspot	802.11b 1Mbps	10	Rear	6	2437	0.184	98.8	18.00	17.17	0.160	0.196	
Ant.G	Body-worn & Hotspot	802.11b 1Mbps	10	Front	6	2437	0.153	98.8	18.00	17.17	0.062	0.076	
Ant.G	Hotspot	802.11b 1Mbps	10	Right	6	2437	0.145	98.8	18.00	17.17	0.127	0.156	

DTS SISO Ant.F SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.F	Head	802.11b 1Mbps	0	Left Touch	1	2412	0.478	98.8	18.00	17.41	0.367	0.426	
Ant.F	Head	802.11b 1Mbps	0	Left Tilt	1	2412	0.706	98.8	18.00	17.41	0.520	0.603	
Ant.F	Head	802.11b 1Mbps	0	Right Touch	1	2412	0.457	98.8	18.00	17.41	0.346	0.401	
Ant.F	Head	802.11b 1Mbps	0	Right Tilt	1	2412	0.676	98.8	18.00	17.41	0.571	0.662	124
Ant.F	Body-worn & Hotspot	802.11b 1Mbps	10	Rear	1	2412	0.470	98.8	18.00	17.41	0.402	0.466	
Ant.F	Body-worn & Hotspot	802.11b 1Mbps	10	Front	1	2412	0.096	98.8	18.00	17.41	0.076	0.088	
Ant.F	Hotspot	802.11b 1Mbps	10	Top	1	2412	0.628	98.8	18.00	17.41	0.516	0.598	125
Ant.F	Hotspot	802.11b 1Mbps	10	Left	1	2412	0.031	98.8	18.00	17.41	0.025	0.029	
Ant.F	Hotspot	802.11b 1Mbps	10	Right	1	2412	0.072	98.8	18.00	17.41	0.056	0.065	

DTS MIMO Ant.G+F SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.	
Ant.G+F	MIMO Ant.1	Head	802.11b 1Mbps	0	Left Touch	1	2412	0.533	98.8	18.00	16.95	0.443	0.507	126
Ant.G+F		Head	802.11b 1Mbps	0	Left Tilt	1	2412	0.425	98.8	18.00	16.95	0.322	0.368	
Ant.G+F		Head	802.11b 1Mbps	0	Right Touch	1	2412	0.272	98.8	18.00	16.95	0.204	0.233	
Ant.G+F		Head	802.11b 1Mbps	0	Right Tilt	1	2412	0.306	98.8	18.00	16.95	0.234	0.268	
Ant.G+F		Body-worn & Hotspot	802.11b 1Mbps	10	Rear	1	2412	0.555	98.8	18.00	16.95	0.470	0.537	
Ant.G+F		Body-worn & Hotspot	802.11b 1Mbps	10	Front	1	2412	0.152	98.8	18.00	16.95	0.126	0.144	
Ant.G+F		Hotspot	802.11b 1Mbps	10	Top	1	2412	0.716	98.8	18.00	16.95	0.600	0.686	127
Ant.G+F		Hotspot	802.11b 1Mbps	10	Left	1	2412	0.059	98.8	18.00	16.95	0.049	0.056	
Ant.G+F		Hotspot	802.11b 1Mbps	10	Right	1	2412	0.095	98.8	18.00	16.95			
Ant.G+F		MIMO Ant.2	Head	802.11b 1Mbps	0	Left Touch	1	2412	0.533	98.8	18.00	17.47		
Ant.G+F	Head		802.11b 1Mbps	0	Left Tilt	1	2412	0.425	98.8	18.00	17.47			
Ant.G+F	Head		802.11b 1Mbps	0	Right Touch	1	2412	0.272	98.8	18.00	17.47			
Ant.G+F	Head		802.11b 1Mbps	0	Right Tilt	1	2412	0.306	98.8	18.00	17.47			
Ant.G+F	Body-worn & Hotspot		802.11b 1Mbps	10	Rear	1	2412	0.555	98.8	18.00	17.47			
Ant.G+F	Body-worn & Hotspot		802.11b 1Mbps	10	Front	1	2412	0.152	98.8	18.00	17.47			
Ant.G+F	Hotspot		802.11b 1Mbps	10	Top	1	2412	0.716	98.8	18.00	17.47			
Ant.G+F	Hotspot		802.11b 1Mbps	10	Left	1	2412	0.059	98.8	18.00	17.47			
Ant.G+F	Hotspot		802.11b 1Mbps	10	Right	1	2412	0.095	98.8	18.00	17.47	0.083	0.107	

Note(s):

1. Tested all positions without applying initial SAR.

10.1.31. Wi-Fi (U-NII Bands)

U-NII 2A SISO Ant.G SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Note	Plot No.
Ant.G	Head	802.11n (HT40)	0	Left Touch	54	5270	0.551	98.2	18.00	17.13	0.426	0.530				128
Ant.G	Head	802.11n (HT40)	0	Left Tilt	54	5270	0.134	98.2	18.00	17.13	0.084	0.105				
Ant.G	Head	802.11n (HT40)	0	Right Touch	54	5270	0.483	98.2	18.00	17.13	0.355	0.442				2
Ant.G	Head	802.11n (HT40)	0	Right Tilt	54	5270	0.088	98.2	18.00	17.13	0.057	0.071				
Ant.G	Body worn	802.11n (HT40)	10	Rear	54	5270	0.167	98.2	18.00	17.13	0.121	0.151				1
Ant.G	Body worn	802.11n (HT40)	10	Front	54	5270	0.113	98.2	18.00	17.13						
Ant.G	Product specific 10-g SAR	802.11n (HT40)	0	Rear	54	5270	1.590	98.2	18.00	17.13			0.346	0.431		2
Ant.G	Product specific 10-g SAR	802.11n (HT40)	0	Front	54	5270	0.776	98.2	18.00	17.13						
Ant.G	Product specific 10-g SAR	802.11n (HT40)	0	Right	54	5270	3.860	98.2	18.00	17.13			0.889	1.106		129

U-NII 2A SISO Ant.D SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Note	Plot No.
Ant.D	Head	802.11n (HT40)	0	Left Touch	54	5270	0.147	98.2	18.00	17.70	0.119	0.130				
Ant.D	Head	802.11n (HT40)	0	Left Tilt	54	5270	0.112	98.2	18.00	17.70	0.079	0.086				
Ant.D	Head	802.11n (HT40)	0	Right Touch	54	5270	0.151	98.2	18.00	17.70	0.096	0.105				
Ant.D	Head	802.11n (HT40)	0	Right Tilt	54	5270	0.081	98.2	18.00	17.70	0.051	0.056				
Ant.D	Body worn	802.11n (HT40)	10	Rear	54	5270	0.230	98.2	18.00	17.70	0.165	0.180				1 130
Ant.D	Body worn	802.11n (HT40)	10	Front	54	5270	0.040	98.2	18.00	17.70						
Ant.D	Product specific 10-g SAR	802.11n (HT40)	0	Rear	54	5270	0.900	98.2	18.00	17.70			0.172	0.188		4
Ant.D	Product specific 10-g SAR	802.11n (HT40)	0	Front	54	5270	0.172	98.2	18.00	17.70						
Ant.D	Product specific 10-g SAR	802.11n (HT40)	0	Top	54	5270	3.330	98.2	18.00	17.70			0.688	0.751		
Ant.D	Product specific 10-g SAR	802.11n (HT40)	0	Right	54	5270	2.020	98.2	18.00	17.70						

U-NII 2A MIMO Ant.G+D SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Note	Plot No.	
Ant.G+D	MIMO	Head	802.11n (HT40)	0	Left Touch	54	5270	0.712	98.2	18.00	17.23	0.550	0.669			131	
Ant.G+D		Head	802.11n (HT40)	0	Left Tilt	54	5270	0.251	98.2	18.00	17.23						
Ant.G+D		Head	802.11n (HT40)	0	Right Touch	54	5270	0.656	98.2	18.00	17.23	0.436	0.530				
Ant.G+D		Head	802.11n (HT40)	0	Right Tilt	54	5270	0.163	98.2	18.00	17.23						
Ant.G+D		Body worn	802.11n (HT40)	10	Rear	54	5270	0.319	98.2	18.00	17.23	0.226	0.257			1 132	
Ant.G+D		Body worn	802.11n (HT40)	10	Front	54	5270	0.134	98.2	18.00	17.23						
Ant.G+D		Product specific 10-g SAR	802.11n (HT40)	0	Rear	54	5270	1.940	98.2	18.00	17.23			0.415	0.505		4
Ant.G+D		Product specific 10-g SAR	802.11n (HT40)	0	Front	54	5270	0.891	98.2	18.00	17.23						
Ant.G+D		Product specific 10-g SAR	802.11n (HT40)	0	Top	54	5270	4.910	98.2	18.00	17.23						
Ant.G+D		Product specific 10-g SAR	802.11n (HT40)	0	Right	54	5270	3.840	98.2	18.00	17.23			1.120	1.362		2 133
Ant.G+D	MIMO	Head	802.11n (HT40)	0	Left Touch	54	5270	0.712	98.2	18.00	17.52						
Ant.G+D		Head	802.11n (HT40)	0	Left Tilt	54	5270	0.251	98.2	18.00	17.52	0.178	0.202				
Ant.G+D		Head	802.11n (HT40)	0	Right Touch	54	5270	0.656	98.2	18.00	17.52						
Ant.G+D		Head	802.11n (HT40)	0	Right Tilt	54	5270	0.163	98.2	18.00	17.52	0.114	0.130				
Ant.G+D		Body worn	802.11n (HT40)	10	Rear	54	5270	0.319	98.2	18.00	17.52						
Ant.G+D		Body worn	802.11n (HT40)	10	Front	54	5270	0.134	98.2	18.00	17.52						
Ant.G+D		Product specific 10-g SAR	802.11n (HT40)	0	Rear	54	5270	1.940	98.2	18.00	17.52						
Ant.G+D		Product specific 10-g SAR	802.11n (HT40)	0	Front	54	5270	0.891	98.2	18.00	17.52						
Ant.G+D		Product specific 10-g SAR	802.11n (HT40)	0	Top	54	5270	4.910	98.2	18.00	17.52			1.020	1.160		
Ant.G+D		Product specific 10-g SAR	802.11n (HT40)	0	Right	54	5270	3.840	98.2	18.00	17.52						

Note(s):

- 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.
- 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.
- 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).
- Additional testing required in order satisfying FCC simultaneous transmission limit criteria.
- Tested all positions of Head exposure condition without applying initial SAR.

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

U-NII 2C SISO Ant.G SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Note	Plot No.
Ant.G	Head	802.11ac (VHT80)	0	Left Touch	122	5610	0.343	94.4	18.00	16.90	0.247	0.337	0.073	0.100		134
Ant.G	Head	802.11ac (VHT80)	0	Left Tilt	122	5610	0.172	94.4	18.00	16.90	0.099	0.135	0.018	0.025		
Ant.G	Head	802.11ac (VHT80)	0	Right Touch	122	5610	0.416	94.4	18.00	16.90	0.285	0.389	0.088	0.120		
Ant.G	Head	802.11ac (VHT80)	0	Right Tilt	122	5610	0.083	94.4	18.00	16.90	0.046	0.063	0.014	0.019		
Ant.G	Body worn	802.11ac (VHT80)	10	Rear	122	5610	0.352	94.4	18.00	16.90	0.311	0.424	0.094	0.128		
Ant.G	Body worn	802.11ac (VHT80)	10	Front	122	5610	0.057	94.4	18.00	16.90	0.044	0.060	0.014	0.019		
Ant.G	Product specific 10-g SAR	802.11ac (VHT80)	0	Rear	122	5610	1.920	94.4	18.00	16.90	1.510	2.060	0.420	0.573	2	
Ant.G	Product specific 10-g SAR	802.11ac (VHT80)	0	Front	122	5610	0.692	94.4	18.00	16.90						
Ant.G	Product specific 10-g SAR	802.11ac (VHT80)	0	Right	122	5610	3.240	94.4	18.00	16.90	3.080	4.202	0.863	1.177		135

U-NII 2C SISO Ant.D SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Note	Plot No.
Ant.D	Head	802.11ac (VHT80)	0	Left Touch	122	5610	0.278	94.4	18.00	17.24	0.158	0.199	0.038	0.048		
Ant.D	Head	802.11ac (VHT80)	0	Left Tilt	122	5610	0.311	94.4	18.00	17.24	0.191	0.241	0.048	0.061		
Ant.D	Head	802.11ac (VHT80)	0	Right Touch	122	5610	0.181	94.4	18.00	17.24	0.122	0.154	0.039	0.049		
Ant.D	Head	802.11ac (VHT80)	0	Right Tilt	122	5610	0.194	94.4	18.00	17.24	0.142	0.179	0.043	0.054		
Ant.D	Body worn	802.11ac (VHT80)	10	Rear	122	5610	0.437	94.4	18.00	17.24	0.331	0.418	0.107	0.135		136
Ant.D	Body worn	802.11ac (VHT80)	10	Front	122	5610	0.052	94.4	18.00	17.24	0.028	0.035	0.008	0.010		
Ant.D	Product specific 10-g SAR	802.11ac (VHT80)	0	Rear	122	5610	1.010	94.4	18.00	17.24	0.843	1.063	0.250	0.315	4	
Ant.D	Product specific 10-g SAR	802.11ac (VHT80)	0	Front	122	5610	0.423	94.4	18.00	17.24						
Ant.D	Product specific 10-g SAR	802.11ac (VHT80)	0	Top	122	5610	4.630	94.4	18.00	17.24	3.530	4.453	0.879	1.109		
Ant.D	Product specific 10-g SAR	802.11ac (VHT80)	0	Right	122	5610	1.620	94.4	18.00	17.24	1.030	1.299	0.299	0.377	2	

U-NII 2C MIMO Ant.G+D SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Note	Plot No.
Ant.G+D	MIMO	Head	802.11ac (VHT80)	0	Left Touch	122	5610	0.366	94.4	18.00	17.02					
Ant.G+D		Head	802.11ac (VHT80)	0	Left Tilt	122	5610	0.503	94.4	18.00	17.02					
Ant.G+D		Head	802.11ac (VHT80)	0	Right Touch	122	5610	0.453	94.4	18.00	17.02	0.302	0.401			137
Ant.G+D		Head	802.11ac (VHT80)	0	Right Tilt	122	5610	0.298	94.4	18.00	17.02					
Ant.G+D		Body worn	802.11ac (VHT80)	10	Rear	122	5610	0.633	94.4	18.00	17.02	0.441	0.585			138
Ant.G+D		Body worn	802.11ac (VHT80)	10	Front	122	5610	0.077	94.4	18.00	17.02	0.058	0.077			2
Ant.G+D		Product specific 10-g SAR	802.11ac (VHT80)	0	Rear	122	5610	2.550	94.4	18.00	17.02			0.500	0.664	4
Ant.G+D		Product specific 10-g SAR	802.11ac (VHT80)	0	Front	122	5610	0.646	94.4	18.00	17.02					
Ant.G+D		Product specific 10-g SAR	802.11ac (VHT80)	0	Top	122	5610	5.340	94.4	18.00	17.02					
Ant.G+D		Product specific 10-g SAR	802.11ac (VHT80)	0	Right	122	5610	3.630	94.4	18.00	17.02			0.818	1.086	2
Ant.G+D	MIMO	Head	802.11ac (VHT80)	0	Left Touch	122	5610	0.366	94.4	18.00	17.21	0.213	0.271			
Ant.G+D		Head	802.11ac (VHT80)	0	Left Tilt	122	5610	0.503	94.4	18.00	17.21	0.315	0.400			
Ant.G+D		Head	802.11ac (VHT80)	0	Right Touch	122	5610	0.453	94.4	18.00	17.21					
Ant.G+D		Head	802.11ac (VHT80)	0	Right Tilt	122	5610	0.298	94.4	18.00	17.21	0.205	0.260			
Ant.G+D		Body worn	802.11ac (VHT80)	10	Rear	122	5610	0.633	94.4	18.00	17.21					
Ant.G+D		Body worn	802.11ac (VHT80)	10	Front	122	5610	0.077	94.4	18.00	17.21					
Ant.G+D		Product specific 10-g SAR	802.11ac (VHT80)	0	Rear	122	5610	2.550	94.4	18.00	17.21					
Ant.G+D		Product specific 10-g SAR	802.11ac (VHT80)	0	Front	122	5610	0.646	94.4	18.00	17.21					
Ant.G+D		Product specific 10-g SAR	802.11ac (VHT80)	0	Top	122	5610	5.340	94.4	18.00	17.21			1.010	1.283	139
Ant.G+D		Product specific 10-g SAR	802.11ac (VHT80)	0	Right	122	5610	3.630	94.4	18.00	17.21					

Note(s):

- 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.
- 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.
- 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).
- Additional testing required in order satisfying FCC simultaneous transmission limit criteria.
- Tested all positions of Head exposure condition without applying initial SAR.

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

U-NII 3 SISO Ant.G SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Note	Plot No.
Ant.G	Head	802.11ac (VHT80)	0	Left Touch	155	5775	0.444	94.4	18.00	16.68	0.348	0.499		
Ant.G	Head	802.11ac (VHT80)	0	Left Tilt	155	5775	0.187	94.4	18.00	16.68	0.132	0.189		
Ant.G	Head	802.11ac (VHT80)	0	Right Touch	155	5775	0.645	94.4	18.00	16.68	0.442	0.634		140
Ant.G	Head	802.11ac (VHT80)	0	Right Tilt	155	5775	0.110	94.4	18.00	16.68	0.075	0.108		
Ant.G	Body-worn & Hotsopt	802.11ac (VHT80)	10	Rear	155	5775	0.175	94.4	18.00	16.68	0.131	0.188	4	
Ant.G	Body-worn & Hotsopt	802.11ac (VHT80)	10	Front	155	5775	0.086	94.4	18.00	16.68				
Ant.G	Hotsopt	802.11ac (VHT80)	10	Right	155	5775	0.189	94.4	18.00	16.68	0.122	0.175		

U-NII 3 SISO Ant.D SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Note	Plot No.
Ant.D	Head	802.11ac (VHT80)	0	Left Touch	155	5775	0.396	94.4	18.00	17.05	0.246	0.324		
Ant.D	Head	802.11ac (VHT80)	0	Left Tilt	155	5775	0.451	94.4	18.00	17.05	0.304	0.401		
Ant.D	Head	802.11ac (VHT80)	0	Right Touch	155	5775	0.233	94.4	18.00	17.05	0.179	0.236		
Ant.D	Head	802.11ac (VHT80)	0	Right Tilt	155	5775	0.276	94.4	18.00	17.05	0.200	0.264		
Ant.D	Body-worn & Hotsopt	802.11ac (VHT80)	10	Rear	155	5775	0.249	94.4	18.00	17.05	0.207	0.273		141
Ant.D	Body-worn & Hotsopt	802.11ac (VHT80)	10	Front	155	5775	0.063	94.4	18.00	17.05				
Ant.D	Hotsopt	802.11ac (VHT80)	10	Top	155	5775	0.138	94.4	18.00	17.05				
Ant.D	Hotsopt	802.11ac (VHT80)	10	Right	155	5775	0.081	94.4	18.00	17.05	0.045	0.059	4	

U-NII 3 MIMO Ant.G+D SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Note	Plot No.	
Ant.G+D	MIMO	Head	802.11ac VHT80	0	Left Touch	155	5775	0.544	94.4	18.00	16.80	0.411	0.574		
Ant.G+D		Head	802.11ac VHT80	0	Left Tilt	155	5775	0.686	94.4	18.00	16.80				
Ant.G+D		Head	802.11ac VHT80	0	Right Touch	155	5775	0.639	94.4	18.00	16.80	0.414	0.578		
Ant.G+D		Head	802.11ac VHT80	0	Right Tilt	155	5775	0.386	94.4	18.00	16.80				
Ant.G+D		Body-worn & Hotsopt	802.11ac VHT80	10	Rear	155	5775	0.290	94.4	18.00	16.80				
Ant.G+D		Body-worn & Hotsopt	802.11ac VHT80	10	Front	155	5775	0.127	94.4	18.00	16.80				
Ant.G+D		Hotspot	802.11ac VHT80	10	Top	155	5775	0.175	94.4	18.00	16.80				
Ant.G+D		Hotspot	802.11ac VHT80	10	Right	155	5775	0.244	94.4	18.00	16.80	0.157	0.219	4	
Ant.G+D	MIMO	Head	802.11ac VHT80	0	Left Touch	155	5775	0.544	94.4	18.00	17.04				
Ant.G+D		Head	802.11ac VHT80	0	Left Tilt	155	5775	0.686	94.4	18.00	17.04	0.461	0.609		142
Ant.G+D		Head	802.11ac VHT80	0	Right Touch	155	5775	0.639	94.4	18.00	17.04				
Ant.G+D		Head	802.11ac VHT80	0	Right Tilt	155	5775	0.386	94.4	18.00	17.04	0.284	0.375		143
Ant.G+D		Body-worn & Hotsopt	802.11ac VHT80	10	Rear	155	5775	0.290	94.4	18.00	17.04	0.242	0.320		
Ant.G+D		Body-worn & Hotsopt	802.11ac VHT80	10	Front	155	5775	0.127	94.4	18.00	17.04				
Ant.G+D		Hotspot	802.11ac VHT80	10	Top	155	5775	0.175	94.4	18.00	17.04				
Ant.G+D		Hotspot	802.11ac VHT80	10	Right	155	5775	0.244	94.4	18.00	17.04				

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.
5. Tested all positions of Head exposure condition without applying initial SAR.

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

U-NII 4 SISO Ant.G SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Note	Plot No.
Ant.G	Head	802.11ac VHT80	0	Left Touch	171	5855	0.432	94.4	18.00	16.60	0.341	0.498				
Ant.G	Head	802.11ac VHT80	0	Left Tilt	171	5855	0.198	94.4	18.00	16.60	0.118	0.172				
Ant.G	Head	802.11ac VHT80	0	Right Touch	171	5855	0.629	94.4	18.00	16.60	0.382	0.558				144
Ant.G	Head	802.11ac VHT80	0	Right Tilt	171	5855	0.094	94.4	18.00	16.60	0.069	0.101				
Ant.G	Body worn	802.11ac VHT80	10	Rear	171	5855	0.193	94.4	18.00	16.60	0.147	0.215				1
Ant.G	Body worn	802.11ac VHT80	10	Front	171	5855	0.153	94.4	18.00	16.60						
Ant.G	Product specific 10-g SAR	802.11ac VHT80	0	Rear	171	5855	1.280	94.4	18.00	16.60			0.268	0.392		2
Ant.G	Product specific 10-g SAR	802.11ac VHT80	0	Front	171	5855	0.641	94.4	18.00	16.60						
Ant.G	Product specific 10-g SAR	802.11ac VHT80	0	Right	171	5855	3.070	94.4	18.00	16.60			0.845	1.235		

U-NII 4 SISO Ant.D SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Note	Plot No.
Ant.D	Head	802.11ac VHT80	0	Left Touch	171	5855	0.432	94.4	18.00	16.82	0.269	0.374				4
Ant.D	Head	802.11ac VHT80	0	Left Tilt	171	5855	0.451	94.4	18.00	16.82	0.286	0.397				1
Ant.D	Head	802.11ac VHT80	0	Right Touch	171	5855	0.276	94.4	18.00	16.82	0.196	0.272				4
Ant.D	Head	802.11ac VHT80	0	Right Tilt	171	5855	0.256	94.4	18.00	16.82						
Ant.D	Body worn	802.11ac VHT80	10	Rear	171	5855	0.277	94.4	18.00	16.82	0.218	0.303				1 145
Ant.D	Body worn	802.11ac VHT80	10	Front	171	5855	0.105	94.4	18.00	16.82						
Ant.D	Product specific 10-g SAR	802.11ac VHT80	0	Rear	171	5855	1.040	94.4	18.00	16.82			0.258	0.359		4
Ant.D	Product specific 10-g SAR	802.11ac VHT80	0	Front	171	5855	0.770	94.4	18.00	16.82						
Ant.D	Product specific 10-g SAR	802.11ac VHT80	0	Top	171	5855	3.390	94.4	18.00	16.82			0.689	0.957		146
Ant.D	Product specific 10-g SAR	802.11ac VHT80	0	Right	171	5855	1.710	94.4	18.00	16.82						

U-NII 4 MIMO Ant.G+D SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Note	Plot No.	
Ant.G+D	MIMO	Head	802.11ac VHT80	0	Left Touch	171	5855	0.541	94.4	18.00	16.78	0.395	0.554			2	
Ant.G+D		Head	802.11ac VHT80	0	Left Tilt	171	5855	0.614	94.4	18.00	16.78						
Ant.G+D		Head	802.11ac VHT80	0	Right Touch	171	5855	0.640	94.4	18.00	16.78	0.439	0.616				147
Ant.G+D		Head	802.11ac VHT80	0	Right Tilt	171	5855	0.365	94.4	18.00	16.78						
Ant.G+D		Body worn	802.11ac VHT80	10	Rear	171	5855	0.392	94.4	18.00	16.78						
Ant.G+D		Body worn	802.11ac VHT80	10	Front	171	5855	0.181	94.4	18.00	16.78	0.136	0.191				2
Ant.G+D		Product specific 10-g SAR	802.11ac VHT80	0	Rear	171	5855	1.440	94.4	18.00	16.78						
Ant.G+D		Product specific 10-g SAR	802.11ac VHT80	0	Front	171	5855	1.110	94.4	18.00	16.78						
Ant.G+D		Product specific 10-g SAR	802.11ac VHT80	0	Top	171	5855	3.830	94.4	18.00	16.78						
Ant.G+D		Product specific 10-g SAR	802.11ac VHT80	0	Right	171	5855	2.620	94.4	18.00	16.78			0.839	1.177		148
Ant.G+D	MIMO	Head	802.11ac VHT80	0	Left Touch	171	5855	0.541	94.4	18.00	16.72						
Ant.G+D		Head	802.11ac VHT80	0	Left Tilt	171	5855	0.614	94.4	18.00	16.72	0.386	0.549				4
Ant.G+D		Head	802.11ac VHT80	0	Right Touch	171	5855	0.640	94.4	18.00	16.72						
Ant.G+D		Head	802.11ac VHT80	0	Right Tilt	171	5855	0.365	94.4	18.00	16.72						
Ant.G+D		Body worn	802.11ac VHT80	10	Rear	171	5855	0.392	94.4	18.00	16.72	0.287	0.408				149
Ant.G+D		Body worn	802.11ac VHT80	10	Front	171	5855	0.181	94.4	18.00	16.72						
Ant.G+D		Product specific 10-g SAR	802.11ac VHT80	0	Rear	171	5855	1.440	94.4	18.00	16.72			0.325	0.462		4
Ant.G+D		Product specific 10-g SAR	802.11ac VHT80	0	Front	171	5855	1.110	94.4	18.00	16.72						
Ant.G+D		Product specific 10-g SAR	802.11ac VHT80	0	Top	171	5855	3.830	94.4	18.00	16.72			0.791	1.125		2
Ant.G+D		Product specific 10-g SAR	802.11ac VHT80	0	Right	171	5855	2.620	94.4	18.00	16.72						

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.

10.1.32. Bluetooth

Bluetooth SISO Ant.G SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.G	Head	LE1M 255pkt	0	Left Touch	0	2402	85.4	19.50	19.01	0.126	0.144	
Ant.G	Head	LE1M 255pkt	0	Left Tilt	0	2402	85.4	19.50	19.01	0.019	0.022	
Ant.G	Head	LE1M 255pkt	0	Right Touch	0	2402	85.4	19.50	19.01	0.068	0.078	
Ant.G	Head	LE1M 255pkt	0	Right Tilt	0	2402	85.4	19.50	19.01	0.012	0.014	
Ant.G	Body-worn & Hotsopt	LE1M 255pkt	10	Rear	0	2402	85.4	19.50	19.01	0.067	0.076	
Ant.G	Body-worn & Hotsopt	LE1M 255pkt	10	Front	0	2402	85.4	19.50	19.01	0.010	0.011	
Ant.G	Hotsopt	LE1M 255pkt	10	Right	0	2402	85.4	19.50	19.01	0.116	0.132	

Bluetooth SISO Ant.F SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.
Ant.F	Head	LE1M 255pkt	0	Left Touch	19	2440	85.4	19.50	19.07	0.175	0.197	
Ant.F	Head	LE1M 255pkt	0	Left Tilt	19	2440	85.4	19.50	19.07	0.202	0.227	
Ant.F	Head	LE1M 255pkt	0	Right Touch	19	2440	85.4	19.50	19.07	0.162	0.182	
Ant.F	Head	LE1M 255pkt	0	Right Tilt	19	2440	85.4	19.50	19.07	0.236	0.265	150
Ant.F	Body-worn & Hotsopt	LE1M 255pkt	10	Rear	19	2440	85.4	19.50	19.07	0.289	0.325	
Ant.F	Body-worn & Hotsopt	LE1M 255pkt	10	Front	19	2440	85.4	19.50	19.07	0.042	0.047	
Ant.F	Hotsopt	LE1M 255pkt	10	Top	19	2440	85.4	19.50	19.07	0.412	0.463	151
Ant.F	Hotsopt	LE1M 255pkt	10	Left	19	2440	85.4	19.50	19.07	0.007	0.008	
Ant.F	Hotsopt	LE1M 255pkt	10	Right	19	2440	85.4	19.50	19.07	0.015	0.017	

Bluetooth MIMO Ant.G+F SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Plot No.	
Ant.G+F	MIMO Ant.1	Head	0	Left Touch	39	2441	77.1	15.50	14.90	0.067	0.079		
Ant.G+F		Head	0	Left Tilt	39	2441	77.1	15.50	14.90				
Ant.G+F		Head	0	Right Touch	39	2441	77.1	15.50	14.90				
Ant.G+F		Head	0	Right Tilt	39	2441	77.1	15.50	14.90				
Ant.G+F		Body-worn & Hotsopt	GFSK DH5	10	Rear	39	2441	77.1	15.50	14.90	0.108	0.127	
Ant.G+F		Body-worn & Hotsopt	GFSK DH5	10	Front	39	2441	77.1	15.50	14.90	0.011	0.013	
Ant.G+F		Hotspot	GFSK DH5	10	Top	39	2441	77.1	15.50	14.90			
Ant.G+F		Hotspot	GFSK DH5	10	Left	39	2441	77.1	15.50	14.90			
Ant.G+F		Hotspot	GFSK DH5	10	Right	39	2441	77.1	15.50	14.90	0.050	0.059	
Ant.G+F		Hotspot	GFSK DH5	10	Right	39	2441	77.1	15.50	14.90			
Ant.G+F	MIMO Ant.2	Head	0	Left Touch	39	2441	77.1	15.50	15.17				
Ant.G+F		Head	0	Left Tilt	39	2441	77.1	15.50	15.17	0.082	0.091		
Ant.G+F		Head	0	Right Touch	39	2441	77.1	15.50	15.17	0.097	0.107	152	
Ant.G+F		Head	0	Right Tilt	39	2441	77.1	15.50	15.17	0.064	0.071		
Ant.G+F		Body-worn & Hotsopt	GFSK DH5	10	Rear	39	2441	77.1	15.50	15.17			
Ant.G+F		Body-worn & Hotsopt	GFSK DH5	10	Front	39	2441	77.1	15.50	15.17			
Ant.G+F		Hotspot	GFSK DH5	10	Top	39	2441	77.1	15.50	15.17	0.131	0.145	153
Ant.G+F		Hotspot	GFSK DH5	10	Left	39	2441	77.1	15.50	15.17	0.014	0.015	
Ant.G+F		Hotspot	GFSK DH5	10	Right	39	2441	77.1	15.50	15.17			

10.1.33. 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	0.010	154
				Front	A	106	13.6	0.000	
				Top	A	106	13.6	0.000	
				Left	A	106	13.6	0.000	

10.2. Folder Opened (UMPC-mini tablet) SAR Results

10.2.1. GSM 850

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant A+B	Body	GPRS2 Slots	10	Rear	190	836.6	32.50	31.07	0.548	0.762			1
Ant A+B	Body	GPRS2 Slots	10	Front	190	836.6	32.50	31.07	0.380	0.528			
Ant A+B	Body	GPRS2 Slots	10	Bottom	190	836.6	32.50	31.07	0.150	0.208			
Ant A+B	Body	GPRS2 Slots	10	Right	190	836.6	32.50	31.07	0.380	0.528			
Ant A+B	Extremity	GPRS2 Slots	0	Rear	190	836.6	32.50	31.07			0.774	1.076	
Ant A+B	Extremity	GPRS2 Slots	0	Front	190	836.6	32.50	31.07			1.110	1.543	2
Ant A+B	Extremity	GPRS2 Slots	0	Bottom	190	836.6	32.50	31.07			0.564	0.784	
Ant A+B	Extremity	GPRS2 Slots	0	Right	190	836.6	32.50	31.07			1.040	1.446	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.D	Body	GPRS2 Slots	10	Rear	190	836.6	32.50	30.84	0.312	0.457			3
Ant.D	Body	GPRS2 Slots	10	Front	190	836.6	32.50	30.84	0.289	0.424			
Ant.D	Body	GPRS2 Slots	10	Top	190	836.6	32.50	30.84	0.167	0.245			
Ant.D	Body	GPRS2 Slots	10	Right	190	836.6	32.50	30.84	0.165	0.242			
Ant.D	Extremity	GPRS2 Slots	0	Rear	190	836.6	32.50	30.84			0.594	0.871	
Ant.D	Extremity	GPRS2 Slots	0	Front	190	836.6	32.50	30.84			0.940	1.378	4
Ant.D	Extremity	GPRS2 Slots	0	Top	190	836.6	32.50	30.84			0.675	0.989	
Ant.D	Extremity	GPRS2 Slots	0	Right	190	836.6	32.50	30.84			0.627	0.919	

10.2.2. GSM 1900

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant B	Body	GPRS4 Slots	10	Rear	661	1880.0	22.50	21.15	0.547	0.746			
Ant B	Body	GPRS4 Slots	10	Front	661	1880.0	22.50	21.15	0.219	0.299			
Ant B	Body	GPRS4 Slots	10	Bottom	661	1880.0	22.50	21.15	0.582	0.794			5
Ant B	Body	GPRS4 Slots	10	Right	661	1880.0	22.50	21.15	0.177	0.242			
Ant B	Extremity	GPRS4 Slots	0	Rear	661	1880.0	22.50	21.15			0.976	1.332	
Ant B	Extremity	GPRS4 Slots	0	Front	661	1880.0	22.50	21.15			0.940	1.283	
Ant B	Extremity	GPRS4 Slots	0	Bottom	512	1850.2	22.50	21.40			1.670	2.151	
Ant B	Extremity	GPRS4 Slots	0	Bottom	661	1880.0	22.50	21.15			1.580	2.156	6
Ant B	Extremity	GPRS4 Slots	0	Bottom	810	1909.8	22.50	21.49			1.670	2.107	
Ant B	Extremity	GPRS4 Slots	0	Right	661	1880.0	22.50	21.15			0.460	0.628	

10.2.3. WCDMA Band II

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant B	Body	Rel 99RMC 12.2 kbps	10	Rear	9400	1880.0	20.00	19.38	0.674	0.779			
Ant B	Body	Rel 99RMC 12.2 kbps	10	Front	9400	1880.0	20.00	19.38	0.342	0.395			
Ant B	Body	Rel 99RMC 12.2 kbps	10	Bottom	9262	1852.4	20.00	19.50	0.883	0.979			
Ant B	Body	Rel 99RMC 12.2 kbps	10	Bottom	9400	1880.0	20.00	19.38	0.888	1.027			7
Ant B	Body	Rel 99RMC 12.2 kbps	10	Bottom	9538	1907.6	20.00	19.51	0.873	0.977			
Ant B	Body	Rel 99RMC 12.2 kbps	10	Right	9400	1880.0	20.00	19.38	0.227	0.262			
Ant B	Extremity	Rel 99RMC 12.2 kbps	0	Rear	9400	1880.0	20.00	19.38			1.310	1.511	
Ant B	Extremity	Rel 99RMC 12.2 kbps	0	Front	9400	1880.0	20.00	19.38			1.040	1.200	
Ant B	Extremity	Rel 99RMC 12.2 kbps	0	Bottom	9262	1852.4	20.00	19.50			2.830	3.139	8
Ant B	Extremity	Rel 99RMC 12.2 kbps	0	Bottom	9400	1880.0	20.00	19.38			2.720	3.137	
Ant B	Extremity	Rel 99RMC 12.2 kbps	0	Bottom	9538	1907.6	20.00	19.51			2.470	2.765	
Ant B	Extremity	Rel 99RMC 12.2 kbps	0	Right	9400	1880.0	20.00	19.38			0.680	0.784	

Note(s):

For WCDMA Band II's secondary modes, Adjusted SAR is not over 3.0 W/kg of 10-g SAR. So additional SAR test is not required.

10.2.4. WCDMA Band IV

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant B	Body	Rel 99RMC 12.2 kbps	10	Rear	1413	1732.6	20.00	19.07	0.410	0.508			
Ant B	Body	Rel 99RMC 12.2 kbps	10	Front	1413	1732.6	20.00	19.07	0.294	0.364			
Ant B	Body	Rel 99RMC 12.2 kbps	10	Bottom	1312	1712.4	20.00	19.18	0.549	0.663			
Ant B	Body	Rel 99RMC 12.2 kbps	10	Bottom	1413	1732.6	20.00	19.07	0.697	0.863			9
Ant B	Body	Rel 99RMC 12.2 kbps	10	Bottom	1513	1752.6	20.00	19.10	0.698	0.859			
Ant B	Body	Rel 99RMC 12.2 kbps	10	Right	1413	1732.6	20.00	19.07	0.164	0.203			
Ant B	Extremity	Rel 99RMC 12.2 kbps	0	Rear	1413	1732.6	20.00	19.07			1.150	1.425	
Ant B	Extremity	Rel 99RMC 12.2 kbps	0	Front	1413	1732.6	20.00	19.07			0.868	1.075	
Ant B	Extremity	Rel 99RMC 12.2 kbps	0	Bottom	1312	1712.4	20.00	19.18			1.550	1.872	
Ant B	Extremity	Rel 99RMC 12.2 kbps	0	Bottom	1413	1732.6	20.00	19.07			1.840	2.279	
Ant B	Extremity	Rel 99RMC 12.2 kbps	0	Bottom	1513	1752.6	20.00	19.10			1.920	2.362	10
Ant B	Extremity	Rel 99RMC 12.2 kbps	0	Right	1413	1732.6	20.00	19.07			0.363	0.450	

10.2.5. WCDMA Band V

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant A+B	Body	Rel 99RMC 12.2 kbps	10	Rear	4183	836.6	25.30	24.49	0.599	0.722			11
Ant A+B	Body	Rel 99RMC 12.2 kbps	10	Front	4183	836.6	25.30	24.49	0.435	0.524			
Ant A+B	Body	Rel 99RMC 12.2 kbps	10	Bottom	4183	836.6	25.30	24.49	0.176	0.212			
Ant A+B	Body	Rel 99RMC 12.2 kbps	10	Right	4183	836.6	25.30	24.49	0.450	0.542			
Ant A+B	Extremity	Rel 99RMC 12.2 kbps	0	Rear	4183	836.6	25.30	24.49			0.965	1.163	
Ant A+B	Extremity	Rel 99RMC 12.2 kbps	0	Front	4183	836.6	25.30	24.49			1.080	1.301	
Ant A+B	Extremity	Rel 99RMC 12.2 kbps	0	Bottom	4183	836.6	25.30	24.49			0.611	0.736	
Ant A+B	Extremity	Rel 99RMC 12.2 kbps	0	Right	4183	836.6	25.30	24.49			1.490	1.796	12

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.D	Body	Rel 99RMC 12.2 kbps	10	Rear	4183	836.6	25.30	24.46	0.428	0.519			13
Ant.D	Body	Rel 99RMC 12.2 kbps	10	Front	4183	836.6	25.30	24.46	0.274	0.332			
Ant.D	Body	Rel 99RMC 12.2 kbps	10	Top	4183	836.6	25.30	24.46	0.196	0.238			
Ant.D	Body	Rel 99RMC 12.2 kbps	10	Right	4183	836.6	25.30	24.46	0.235	0.285			
Ant.D	Extremity	Rel 99RMC 12.2 kbps	0	Rear	4183	836.6	25.30	24.46			0.704	0.854	
Ant.D	Extremity	Rel 99RMC 12.2 kbps	0	Front	4183	836.6	25.30	24.46			1.220	1.480	14
Ant.D	Extremity	Rel 99RMC 12.2 kbps	0	Top	4183	836.6	25.30	24.46			0.736	0.893	
Ant.D	Extremity	Rel 99RMC 12.2 kbps	0	Right	4183	836.6	25.30	24.46			0.658	0.798	

10.2.6. LTE Band 5 (10MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant A+B	Body	QPSK	10	Rear	20525	836.5	1	25	25.50	24.56	0.595	0.739			15
Ant A+B	Body	QPSK	10	Rear	20525	836.5	25	12	24.50	23.61	0.472	0.579			
Ant A+B	Body	QPSK	10	Front	20525	836.5	1	25	25.50	24.56	0.465	0.577			
Ant A+B	Body	QPSK	10	Front	20525	836.5	25	12	24.50	23.61	0.371	0.455			
Ant A+B	Body	QPSK	10	Bottom	20525	836.5	1	25	25.50	24.56	0.177	0.220			
Ant A+B	Body	QPSK	10	Bottom	20525	836.5	25	12	24.50	23.61	0.146	0.179			
Ant A+B	Body	QPSK	10	Right	20525	836.5	1	25	25.50	24.56	0.329	0.409			
Ant A+B	Body	QPSK	10	Right	20525	836.5	25	12	24.50	23.61	0.265	0.325			
Ant A+B	Extremity	QPSK	0	Rear	20525	836.5	1	25	25.50	24.56			0.926	1.150	
Ant A+B	Extremity	QPSK	0	Rear	20525	836.5	25	12	24.50	23.61			0.748	0.918	
Ant A+B	Extremity	QPSK	0	Front	20525	836.5	1	25	25.50	24.56			1.280	1.589	
Ant A+B	Extremity	QPSK	0	Front	20525	836.5	25	12	24.50	23.61			1.030	1.264	
Ant A+B	Extremity	QPSK	0	Bottom	20525	836.5	1	25	25.50	24.56			0.581	0.721	
Ant A+B	Extremity	QPSK	0	Bottom	20525	836.5	25	12	24.50	23.61			0.471	0.578	
Ant A+B	Extremity	QPSK	0	Right	20525	836.5	1	25	25.50	24.56			1.380	1.713	16
Ant A+B	Extremity	QPSK	0	Right	20525	836.5	25	12	24.50	23.61			1.150	1.412	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.D	Body	QPSK	10	Rear	20525	836.5	1	25	25.50	24.61	0.424	0.520			17
Ant.D	Body	QPSK	10	Rear	20525	836.5	25	25	24.50	23.65	0.341	0.415			
Ant.D	Body	QPSK	10	Front	20525	836.5	1	25	25.50	24.61	0.287	0.352			
Ant.D	Body	QPSK	10	Front	20525	836.5	25	25	24.50	23.65	0.215	0.261			
Ant.D	Body	QPSK	10	Top	20525	836.5	1	25	25.50	24.61	0.146	0.179			
Ant.D	Body	QPSK	10	Top	20525	836.5	25	25	24.50	23.65	0.120	0.146			
Ant.D	Body	QPSK	10	Right	20525	836.5	1	25	25.50	24.61	0.222	0.272			
Ant.D	Body	QPSK	10	Right	20525	836.5	25	25	24.50	23.65	0.174	0.212			
Ant.D	Extremity	QPSK	0	Rear	20525	836.5	1	25	25.50	24.61			0.695	0.853	
Ant.D	Extremity	QPSK	0	Rear	20525	836.5	25	25	24.50	23.65			0.559	0.680	
Ant.D	Extremity	QPSK	0	Front	20525	836.5	1	25	25.50	24.61			1.320	1.620	18
Ant.D	Extremity	QPSK	0	Front	20525	836.5	25	25	24.50	23.65			0.938	1.141	
Ant.D	Extremity	QPSK	0	Top	20525	836.5	1	25	25.50	24.61			0.764	0.938	
Ant.D	Extremity	QPSK	0	Top	20525	836.5	25	25	24.50	23.65			0.606	0.737	
Ant.D	Extremity	QPSK	0	Right	20525	836.5	1	25	25.50	24.61			0.660	0.810	
Ant.D	Extremity	QPSK	0	Right	20525	836.5	25	25	24.50	23.65			0.526	0.640	

10.2.7. LTE Band 7 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant B	Body	QPSK	10	Rear	21100	2535.0	1	0	19.00	18.20	0.570	0.685			
Ant B	Body	QPSK	10	Rear	21100	2535.0	50	0	19.00	18.25	0.582	0.692			
Ant B	Body	QPSK	10	Front	21100	2535.0	1	0	19.00	18.20	0.283	0.340			
Ant B	Body	QPSK	10	Front	21100	2535.0	50	0	19.00	18.25	0.288	0.342			
Ant B	Body	QPSK	10	Bottom	20850	2510.0	1	0	19.00	18.11	0.590	0.724			
Ant B	Body	QPSK	10	Bottom	20850	2510.0	50	0	19.00	18.15	0.670	0.815			
Ant B	Body	QPSK	10	Bottom	21100	2535.0	1	0	19.00	18.20	0.735	0.884			
Ant B	Body	QPSK	10	Bottom	21100	2535.0	50	0	19.00	18.25	0.754	0.896			
Ant B	Body	QPSK	10	Bottom	21100	2535.0	100	0	19.00	18.16	0.844	1.024			
Ant B	Body	QPSK	10	Bottom	21350	2560.0	1	0	19.00	18.03	0.911	1.139			19
Ant B	Body	QPSK	10	Bottom	21350	2560.0	50	0	19.00	18.05	0.913	1.136			
Ant B	Body	QPSK	10	Right	21100	2535.0	1	0	19.00	18.20	0.091	0.109			
Ant B	Body	QPSK	10	Right	21100	2535.0	50	0	19.00	18.25	0.092	0.109			
Ant B	Extremity	QPSK	0	Rear	21100	2535.0	1	0	19.00	18.20			0.730	0.878	
Ant B	Extremity	QPSK	0	Rear	21100	2535.0	50	0	19.00	18.25			0.758	0.901	
Ant B	Extremity	QPSK	0	Front	21100	2535.0	1	0	19.00	18.20			1.180	1.419	
Ant B	Extremity	QPSK	0	Front	21100	2535.0	50	0	19.00	18.25			1.200	1.426	
Ant B	Extremity	QPSK	0	Bottom	20850	2510.0	1	0	19.00	18.11			2.350	2.884	
Ant B	Extremity	QPSK	0	Bottom	20850	2510.0	50	0	19.00	18.15			2.070	2.518	
Ant B	Extremity	QPSK	0	Bottom	21100	2535.0	1	0	19.00	18.20			2.350	2.825	
Ant B	Extremity	QPSK	0	Bottom	21100	2535.0	50	0	19.00	18.25			2.410	2.864	
Ant B	Extremity	QPSK	0	Bottom	21100	2535.0	100	0	19.00	18.16			2.330	2.827	
Ant B	Extremity	QPSK	0	Bottom	21350	2560.0	1	0	19.00	18.03			2.190	2.738	
Ant B	Extremity	QPSK	0	Bottom	21350	2560.0	50	0	19.00	18.05			2.340	2.912	20
Ant B	Extremity	QPSK	0	Right	21100	2535.0	1	0	19.00	18.20			0.156	0.188	
Ant B	Extremity	QPSK	0	Right	21100	2535.0	50	0	19.00	18.25			0.161	0.191	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.E	Body	QPSK	10	Rear	21100	2535.0	1	99	20.00	18.54	0.314	0.439			
Ant.E	Body	QPSK	10	Rear	21100	2535.0	50	50	20.00	18.62	0.296	0.407			
Ant.E	Body	QPSK	10	Front	21100	2535.0	1	99	20.00	18.54	0.164	0.230			
Ant.E	Body	QPSK	10	Front	21100	2535.0	50	50	20.00	18.62	0.166	0.228			
Ant.E	Body	QPSK	10	Top	21100	2535.0	1	99	20.00	18.54	0.542	0.759			21
Ant.E	Body	QPSK	10	Top	21100	2535.0	50	50	20.00	18.62	0.533	0.732			
Ant.E	Extremity	QPSK	0	Rear	21100	2535.0	1	99	20.00	18.54			0.419	0.586	
Ant.E	Extremity	QPSK	0	Rear	21100	2535.0	50	50	20.00	18.62			0.420	0.577	
Ant.E	Extremity	QPSK	0	Front	21100	2535.0	1	99	20.00	18.54			0.404	0.565	
Ant.E	Extremity	QPSK	0	Front	21100	2535.0	50	50	20.00	18.62			0.389	0.535	
Ant.E	Extremity	QPSK	0	Top	20850	2510.0	1	99	20.00	18.45			1.520	2.172	
Ant.E	Extremity	QPSK	0	Top	20850	2510.0	50	50	20.00	18.50			1.530	2.161	
Ant.E	Extremity	QPSK	0	Top	21100	2535.0	1	99	20.00	18.54			1.820	2.547	22
Ant.E	Extremity	QPSK	0	Top	21100	2535.0	50	50	20.00	18.62			1.780	2.446	
Ant.E	Extremity	QPSK	0	Top	21100	2535.0	100	0	20.00	18.45			1.600	2.286	
Ant.E	Extremity	QPSK	0	Top	21350	2560.0	1	99	20.00	18.53			1.660	2.329	
Ant.E	Extremity	QPSK	0	Top	21350	2560.0	50	50	20.00	18.57			1.680	2.335	

10.2.8. LTE Band 12 (10MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant A+B	Body	QPSK	10	Rear	23095	707.5	1	0	25.20	24.20	0.426	0.536			23
Ant A+B	Body	QPSK	10	Rear	23095	707.5	25	0	24.20	23.24	0.334	0.417			
Ant A+B	Body	QPSK	10	Front	23095	707.5	1	0	25.20	24.20	0.288	0.363			
Ant A+B	Body	QPSK	10	Front	23095	707.5	25	0	24.20	23.24	0.228	0.284			
Ant A+B	Body	QPSK	10	Bottom	23095	707.5	1	0	25.20	24.20	0.193	0.243			
Ant A+B	Body	QPSK	10	Bottom	23095	707.5	25	0	24.20	23.24	0.154	0.192			
Ant A+B	Body	QPSK	10	Right	23095	707.5	1	0	25.20	24.20	0.278	0.350			
Ant A+B	Body	QPSK	10	Right	23095	707.5	25	0	24.20	23.24	0.210	0.262			
Ant A+B	Extremity	QPSK	0	Rear	23095	707.5	1	0	25.20	24.20			1.080	1.360	
Ant A+B	Extremity	QPSK	0	Rear	23095	707.5	25	0	24.20	23.24			0.610	0.761	
Ant A+B	Extremity	QPSK	0	Front	23095	707.5	1	0	25.20	24.20			1.120	1.410	
Ant A+B	Extremity	QPSK	0	Front	23095	707.5	25	0	24.20	23.24			0.894	1.115	
Ant A+B	Extremity	QPSK	0	Bottom	23095	707.5	1	0	25.20	24.20			0.724	0.911	
Ant A+B	Extremity	QPSK	0	Bottom	23095	707.5	25	0	24.20	23.24			0.574	0.716	
Ant A+B	Extremity	QPSK	0	Right	23095	707.5	1	0	25.20	24.20			1.620	2.039	24
Ant A+B	Extremity	QPSK	0	Right	23095	707.5	25	0	24.20	23.24			1.280	1.597	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.D	Body	QPSK	10	Rear	23095	707.5	1	0	25.20	24.41	0.291	0.349			25
Ant.D	Body	QPSK	10	Rear	23095	707.5	25	0	24.20	23.44	0.234	0.279			
Ant.D	Body	QPSK	10	Front	23095	707.5	1	0	25.20	24.41	0.237	0.284			
Ant.D	Body	QPSK	10	Front	23095	707.5	25	0	24.20	23.44	0.214	0.255			
Ant.D	Body	QPSK	10	Top	23095	707.5	1	0	25.20	24.41	0.247	0.296			
Ant.D	Body	QPSK	10	Top	23095	707.5	25	0	24.20	23.44	0.201	0.239			
Ant.D	Body	QPSK	10	Right	23095	707.5	1	0	25.20	24.41	0.283	0.339			
Ant.D	Body	QPSK	10	Right	23095	707.5	25	0	24.20	23.44	0.221	0.263			
Ant.D	Extremity	QPSK	0	Rear	23095	707.5	1	0	25.20	24.41			0.506	0.607	
Ant.D	Extremity	QPSK	0	Rear	23095	707.5	25	0	24.20	23.44			0.422	0.503	
Ant.D	Extremity	QPSK	0	Front	23095	707.5	1	0	25.20	24.41			1.260	1.511	
Ant.D	Extremity	QPSK	0	Front	23095	707.5	25	0	24.20	23.44			0.843	1.004	
Ant.D	Extremity	QPSK	0	Top	23095	707.5	1	0	25.20	24.41			0.923	1.107	
Ant.D	Extremity	QPSK	0	Top	23095	707.5	25	0	24.20	23.44			0.716	0.853	
Ant.D	Extremity	QPSK	0	Right	23095	707.5	1	0	25.20	24.41			1.330	1.595	26
Ant.D	Extremity	QPSK	0	Right	23095	707.5	25	0	24.20	23.44			1.010	1.203	

10.2.9. LTE Band 13 (10MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant A+B	Body	QPSK	10	Rear	23230	782.0	1	25	25.50	24.87	0.440	0.509			27
Ant A+B	Body	QPSK	10	Rear	23230	782.0	25	12	24.50	23.93	0.357	0.407			
Ant A+B	Body	QPSK	10	Front	23230	782.0	1	25	25.50	24.87	0.380	0.439			
Ant A+B	Body	QPSK	10	Front	23230	782.0	25	12	24.50	23.93	0.305	0.348			
Ant A+B	Body	QPSK	10	Bottom	23230	782.0	1	25	25.50	24.87	0.256	0.296			
Ant A+B	Body	QPSK	10	Bottom	23230	782.0	25	12	24.50	23.93	0.204	0.233			
Ant A+B	Body	QPSK	10	Right	23230	782.0	1	25	25.50	24.87	0.315	0.364			
Ant A+B	Body	QPSK	10	Right	23230	782.0	25	12	24.50	23.93	0.319	0.364			
Ant A+B	Extremity	QPSK	0	Rear	23230	782.0	1	25	25.50	24.87			0.747	0.864	
Ant A+B	Extremity	QPSK	0	Rear	23230	782.0	25	12	24.50	23.93			0.615	0.701	
Ant A+B	Extremity	QPSK	0	Front	23230	782.0	1	25	25.50	24.87			0.851	0.984	
Ant A+B	Extremity	QPSK	0	Front	23230	782.0	25	12	24.50	23.93			0.759	0.865	
Ant A+B	Extremity	QPSK	0	Bottom	23230	782.0	1	25	25.50	24.87			0.514	0.594	
Ant A+B	Extremity	QPSK	0	Bottom	23230	782.0	25	12	24.50	23.93			0.408	0.465	
Ant A+B	Extremity	QPSK	0	Right	23230	782.0	1	25	25.50	24.87			1.490	1.723	28
Ant A+B	Extremity	QPSK	0	Right	23230	782.0	25	12	24.50	23.93			1.170	1.334	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.D	Body	QPSK	10	Rear	23230	782.0	1	25	25.50	24.60	0.303	0.373			29
Ant.D	Body	QPSK	10	Rear	23230	782.0	25	0	24.50	23.66	0.242	0.294			
Ant.D	Body	QPSK	10	Front	23230	782.0	1	25	25.50	24.60	0.224	0.276			
Ant.D	Body	QPSK	10	Front	23230	782.0	25	0	24.50	23.66	0.155	0.188			
Ant.D	Body	QPSK	10	Top	23230	782.0	1	25	25.50	24.60	0.147	0.181			
Ant.D	Body	QPSK	10	Top	23230	782.0	25	0	24.50	23.66	0.119	0.144			
Ant.D	Body	QPSK	10	Right	23230	782.0	1	25	25.50	24.60	0.210	0.258			
Ant.D	Body	QPSK	10	Right	23230	782.0	25	0	24.50	23.66	0.156	0.189			
Ant.D	Extremity	QPSK	0	Rear	23230	782.0	1	25	25.50	24.60			0.490	0.603	
Ant.D	Extremity	QPSK	0	Rear	23230	782.0	25	0	24.50	23.66			0.390	0.473	
Ant.D	Extremity	QPSK	0	Front	23230	782.0	1	25	25.50	24.60			1.090	1.341	30
Ant.D	Extremity	QPSK	0	Front	23230	782.0	25	0	24.50	23.66			0.703	0.853	
Ant.D	Extremity	QPSK	0	Top	23230	782.0	1	25	25.50	24.60			0.647	0.796	
Ant.D	Extremity	QPSK	0	Top	23230	782.0	25	0	24.50	23.66			0.514	0.624	
Ant.D	Extremity	QPSK	0	Right	23230	782.0	1	25	25.50	24.60			0.926	1.139	
Ant.D	Extremity	QPSK	0	Right	23230	782.0	25	0	24.50	23.66			0.759	0.921	

10.2.10. LTE Band 14 (10MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant A+B	Body	QPSK	10	Rear	23330	793.0	1	0	25.50	24.74	0.555	0.661			31
Ant A+B	Body	QPSK	10	Rear	23330	793.0	25	0	24.50	23.75	0.420	0.499			
Ant A+B	Body	QPSK	10	Front	23330	793.0	1	0	25.50	24.74	0.521	0.621			
Ant A+B	Body	QPSK	10	Front	23330	793.0	25	0	24.50	23.75	0.394	0.468			
Ant A+B	Body	QPSK	10	Bottom	23330	793.0	1	0	25.50	24.74	0.206	0.245			
Ant A+B	Body	QPSK	10	Bottom	23330	793.0	25	0	24.50	23.75	0.165	0.196			
Ant A+B	Body	QPSK	10	Right	23330	793.0	1	0	25.50	24.74	0.287	0.342			
Ant A+B	Body	QPSK	10	Right	23330	793.0	25	0	24.50	23.75	0.225	0.267			
Ant A+B	Extremity	QPSK	0	Rear	23330	793.0	1	0	25.50	24.74			0.762	0.908	
Ant A+B	Extremity	QPSK	0	Rear	23330	793.0	25	0	24.50	23.75			0.655	0.778	
Ant A+B	Extremity	QPSK	0	Front	23330	793.0	1	0	25.50	24.74			1.050	1.251	
Ant A+B	Extremity	QPSK	0	Front	23330	793.0	25	0	24.50	23.75			0.762	0.906	
Ant A+B	Extremity	QPSK	0	Bottom	23330	793.0	1	0	25.50	24.74			0.449	0.535	
Ant A+B	Extremity	QPSK	0	Bottom	23330	793.0	25	0	24.50	23.75			0.362	0.430	
Ant A+B	Extremity	QPSK	0	Right	23330	793.0	1	0	25.50	24.74			1.450	1.727	32
Ant A+B	Extremity	QPSK	0	Right	23330	793.0	25	0	24.50	23.75			1.240	1.474	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.D	Body	QPSK	10	Rear	23330	793.0	1	0	25.50	24.54	0.301	0.375			33
Ant.D	Body	QPSK	10	Rear	23330	793.0	25	0	24.50	23.55	0.238	0.296			
Ant.D	Body	QPSK	10	Front	23330	793.0	1	0	25.50	24.54	0.235	0.293			
Ant.D	Body	QPSK	10	Front	23330	793.0	25	0	24.50	23.55	0.180	0.224			
Ant.D	Body	QPSK	10	Top	23330	793.0	1	0	25.50	24.54	0.193	0.241			
Ant.D	Body	QPSK	10	Top	23330	793.0	25	0	24.50	23.55	0.151	0.188			
Ant.D	Body	QPSK	10	Right	23330	793.0	1	0	25.50	24.54	0.230	0.287			
Ant.D	Body	QPSK	10	Right	23330	793.0	25	0	24.50	23.55	0.177	0.220			
Ant.D	Extremity	QPSK	0	Rear	23330	793.0	1	0	25.50	24.54			0.469	0.585	
Ant.D	Extremity	QPSK	0	Rear	23330	793.0	25	0	24.50	23.55			0.363	0.452	
Ant.D	Extremity	QPSK	0	Front	23330	793.0	1	0	25.50	24.54			0.972	1.212	34
Ant.D	Extremity	QPSK	0	Front	23330	793.0	25	0	24.50	23.55			0.766	0.953	
Ant.D	Extremity	QPSK	0	Top	23330	793.0	1	0	25.50	24.54			0.611	0.762	
Ant.D	Extremity	QPSK	0	Top	23330	793.0	25	0	24.50	23.55			0.483	0.601	
Ant.D	Extremity	QPSK	0	Right	23330	793.0	1	0	25.50	24.54			0.827	1.032	
Ant.D	Extremity	QPSK	0	Right	23330	793.0	25	0	24.50	23.55			0.635	0.790	

10.2.11. LTE Band 25 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant B	Body	QPSK	10	Rear	26140	1860.0	1	0	19.00	18.10	0.610	0.750			
Ant B	Body	QPSK	10	Rear	26140	1860.0	50	24	19.00	18.13	0.595	0.727			
Ant B	Body	QPSK	10	Front	26140	1860.0	1	0	19.00	18.10	0.339	0.417			
Ant B	Body	QPSK	10	Front	26140	1860.0	50	24	19.00	18.13	0.329	0.402			
Ant B	Body	QPSK	10	Bottom	26140	1860.0	1	0	19.00	18.10	0.816	1.004			
Ant B	Body	QPSK	10	Bottom	26140	1860.0	50	24	19.00	18.13	0.818	0.999			
Ant B	Body	QPSK	10	Bottom	26140	1860.0	100	0	19.00	18.11	0.803	0.986			
Ant B	Body	QPSK	10	Bottom	26365	1882.5	1	0	19.00	17.99	0.807	1.018			35
Ant B	Body	QPSK	10	Bottom	26365	1882.5	50	24	19.00	18.07	0.794	0.984			
Ant B	Body	QPSK	10	Bottom	26590	1905.0	1	0	19.00	18.02	0.779	0.976			
Ant B	Body	QPSK	10	Bottom	26590	1905.0	50	24	19.00	17.99	0.766	0.967			
Ant B	Body	QPSK	10	Right	26140	1860.0	1	0	19.00	18.10	0.167	0.205			
Ant B	Body	QPSK	10	Right	26140	1860.0	50	24	19.00	18.13	0.177	0.216			
Ant B	Extremity	QPSK	0	Rear	26140	1860.0	1	0	19.00	18.10			1.340	1.649	
Ant B	Extremity	QPSK	0	Rear	26140	1860.0	50	24	19.00	18.13			1.340	1.637	
Ant B	Extremity	QPSK	0	Front	26140	1860.0	1	0	19.00	18.10			1.160	1.427	
Ant B	Extremity	QPSK	0	Front	26140	1860.0	50	24	19.00	18.13			1.150	1.405	
Ant B	Extremity	QPSK	0	Bottom	26140	1860.0	1	0	19.00	18.10			2.420	2.977	
Ant B	Extremity	QPSK	0	Bottom	26140	1860.0	50	24	19.00	18.13			2.470	3.018	
Ant B	Extremity	QPSK	0	Bottom	26140	1860.0	100	0	19.00	18.11			2.470	3.032	
Ant B	Extremity	QPSK	0	Bottom	26365	1882.5	1	0	19.00	17.99			2.450	3.091	36
Ant B	Extremity	QPSK	0	Bottom	26365	1882.5	50	24	19.00	18.07			2.410	2.985	
Ant B	Extremity	QPSK	0	Bottom	26590	1905.0	1	0	19.00	18.02			2.290	2.870	
Ant B	Extremity	QPSK	0	Bottom	26590	1905.0	50	24	19.00	17.99			2.150	2.713	
Ant B	Extremity	QPSK	0	Right	26140	1860.0	1	0	19.00	18.10			0.503	0.619	
Ant B	Extremity	QPSK	0	Right	26140	1860.0	50	24	19.00	18.13			0.527	0.644	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.E	Body	QPSK	10	Rear	26140	1860.0	1	0	21.00	19.56	0.339	0.472			
Ant.E	Body	QPSK	10	Rear	26140	1860.0	50	0	21.00	19.63	0.335	0.459			
Ant.E	Body	QPSK	10	Front	26140	1860.0	1	0	21.00	19.56	0.225	0.313			
Ant.E	Body	QPSK	10	Front	26140	1860.0	50	0	21.00	19.63	0.221	0.303			
Ant.E	Body	QPSK	10	Top	26140	1860.0	1	0	21.00	19.56	0.422	0.588			37
Ant.E	Body	QPSK	10	Top	26140	1860.0	50	0	21.00	19.63	0.422	0.579			
Ant.E	Extremity	QPSK	0	Rear	26140	1860.0	1	0	21.00	19.56			0.814	1.134	
Ant.E	Extremity	QPSK	0	Rear	26140	1860.0	50	0	21.00	19.63			0.823	1.128	
Ant.E	Extremity	QPSK	0	Front	26140	1860.0	1	0	21.00	19.56			0.797	1.110	
Ant.E	Extremity	QPSK	0	Front	26140	1860.0	50	0	21.00	19.63			0.767	1.051	
Ant.E	Extremity	QPSK	0	Top	26140	1860.0	1	0	21.00	19.56			1.340	1.867	
Ant.E	Extremity	QPSK	0	Top	26140	1860.0	50	0	21.00	19.63			1.370	1.878	38

10.2.12. LTE Band 26 (15MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant A+B	Body	QPSK	10	Rear	26865	831.5	1	0	25.50	24.43	0.425	0.541			39
Ant A+B	Body	QPSK	10	Rear	26865	831.5	36	0	24.50	23.42	0.368	0.474			
Ant A+B	Body	QPSK	10	Front	26865	831.5	1	0	25.50	24.43	0.336	0.428			
Ant A+B	Body	QPSK	10	Front	26865	831.5	36	0	24.50	23.42	0.285	0.367			
Ant A+B	Body	QPSK	10	Bottom	26865	831.5	1	0	25.50	24.43	0.190	0.242			
Ant A+B	Body	QPSK	10	Bottom	26865	831.5	36	0	24.50	23.42	0.156	0.201			
Ant A+B	Body	QPSK	10	Right	26865	831.5	1	0	25.50	24.43	0.250	0.318			
Ant A+B	Body	QPSK	10	Right	26865	831.5	36	0	24.50	23.42	0.217	0.280			
Ant A+B	Extremity	QPSK	0	Rear	26865	831.5	1	0	25.50	24.43			0.963	1.226	
Ant A+B	Extremity	QPSK	0	Rear	26865	831.5	36	0	24.50	23.42			0.812	1.046	
Ant A+B	Extremity	QPSK	0	Front	26865	831.5	1	0	25.50	24.43			1.570	1.999	40
Ant A+B	Extremity	QPSK	0	Front	26865	831.5	36	0	24.50	23.42			1.310	1.688	
Ant A+B	Extremity	QPSK	0	Bottom	26865	831.5	1	0	25.50	24.43			0.526	0.670	
Ant A+B	Extremity	QPSK	0	Bottom	26865	831.5	36	0	24.50	23.42			0.442	0.569	
Ant A+B	Extremity	QPSK	0	Right	26865	831.5	1	0	25.50	24.43			1.310	1.668	
Ant A+B	Extremity	QPSK	0	Right	26865	831.5	36	0	24.50	23.42			1.130	1.456	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.D	Body	QPSK	10	Rear	26865	831.5	1	0	25.50	24.43	0.365	0.465			41
Ant.D	Body	QPSK	10	Rear	26865	831.5	36	0	24.50	23.42	0.305	0.393			
Ant.D	Body	QPSK	10	Front	26865	831.5	1	0	25.50	24.43	0.234	0.298			
Ant.D	Body	QPSK	10	Front	26865	831.5	36	0	24.50	23.42	0.198	0.255			
Ant.D	Body	QPSK	10	Top	26865	831.5	1	0	25.50	24.43	0.163	0.208			
Ant.D	Body	QPSK	10	Top	26865	831.5	36	0	24.50	23.42	0.134	0.173			
Ant.D	Body	QPSK	10	Right	26865	831.5	1	0	25.50	24.43	0.263	0.335			
Ant.D	Body	QPSK	10	Right	26865	831.5	36	0	24.50	23.42	0.217	0.280			
Ant.D	Extremity	QPSK	0	Rear	26865	831.5	1	0	25.50	24.43			0.704	0.897	
Ant.D	Extremity	QPSK	0	Rear	26865	831.5	36	0	24.50	23.42			0.606	0.781	
Ant.D	Extremity	QPSK	0	Front	26865	831.5	1	0	25.50	24.43			1.250	1.592	42
Ant.D	Extremity	QPSK	0	Front	26865	831.5	36	0	24.50	23.42			1.020	1.314	
Ant.D	Extremity	QPSK	0	Top	26865	831.5	1	0	25.50	24.43			0.540	0.688	
Ant.D	Extremity	QPSK	0	Top	26865	831.5	36	0	24.50	23.42			0.464	0.598	
Ant.D	Extremity	QPSK	0	Right	26865	831.5	1	0	25.50	24.43			0.746	0.950	
Ant.D	Extremity	QPSK	0	Right	26865	831.5	36	0	24.50	23.42			0.326	0.420	

10.2.13. LTE Band 30 (10MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.B	Body	QPSK	10	Rear	27710	2310.0	1	25	17.00	16.55	0.492	0.546			
Ant.B	Body	QPSK	10	Rear	27710	2310.0	25	12	17.00	16.58	0.491	0.541			
Ant.B	Body	QPSK	10	Front	27710	2310.0	1	25	17.00	16.55	0.391	0.434			
Ant.B	Body	QPSK	10	Front	27710	2310.0	25	12	17.00	16.58	0.384	0.423			
Ant.B	Body	QPSK	10	Bottom	27710	2310.0	1	25	17.00	16.55	0.653	0.724			43
Ant.B	Body	QPSK	10	Bottom	27710	2310.0	25	12	17.00	16.58	0.648	0.714			
Ant.B	Body	QPSK	10	Right	27710	2310.0	1	25	17.00	16.55	0.082	0.091			
Ant.B	Body	QPSK	10	Right	27710	2310.0	25	12	17.00	16.58	0.080	0.088			
Ant.B	Extremity	QPSK	0	Rear	27710	2310.0	1	25	17.00	16.55			0.932	1.034	
Ant.B	Extremity	QPSK	0	Rear	27710	2310.0	25	12	17.00	16.58			0.906	0.998	
Ant.B	Extremity	QPSK	0	Front	27710	2310.0	1	25	17.00	16.55			0.901	0.999	
Ant.B	Extremity	QPSK	0	Front	27710	2310.0	25	12	17.00	16.58			0.896	0.987	
Ant.B	Extremity	QPSK	0	Bottom	27710	2310.0	1	25	17.00	16.55			1.860	2.063	44
Ant.B	Extremity	QPSK	0	Bottom	27710	2310.0	25	12	17.00	16.58			1.820	2.005	
Ant.B	Extremity	QPSK	0	Bottom	27710	2310.0	50	0	17.00	16.48			1.810	2.040	
Ant.B	Extremity	QPSK	0	Right	27710	2310.0	1	25	17.00	16.55			0.113	0.125	
Ant.B	Extremity	QPSK	0	Right	27710	2310.0	25	12	17.00	16.58			0.112	0.123	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.E	Body	QPSK	10	Rear	27710	2310.0	1	25	20.00	18.90	0.655	0.844			
Ant.E	Body	QPSK	10	Rear	27710	2310.0	25	12	20.00	18.89	0.632	0.816			
Ant.E	Body	QPSK	10	Rear	27710	2310.0	50	0	20.00	18.83	0.517	0.677			
Ant.E	Body	QPSK	10	Front	27710	2310.0	1	25	20.00	18.90	0.639	0.823			
Ant.E	Body	QPSK	10	Front	27710	2310.0	25	12	20.00	18.89	0.644	0.832			
Ant.E	Body	QPSK	10	Front	27710	2310.0	50	0	20.00	18.83	0.610	0.799			
Ant.E	Body	QPSK	10	Top	27710	2310.0	1	25	20.00	18.90	0.768	0.989			
Ant.E	Body	QPSK	10	Top	27710	2310.0	25	12	20.00	18.89	0.753	0.972			
Ant.E	Body	QPSK	10	Top	27710	2310.0	50	0	20.00	18.83	0.756	0.990			45
Ant.E	Extremity	QPSK	0	Rear	27710	2310.0	1	25	20.00	18.90			0.989	1.274	
Ant.E	Extremity	QPSK	0	Rear	27710	2310.0	25	12	20.00	18.89			0.979	1.264	
Ant.E	Extremity	QPSK	0	Front	27710	2310.0	1	25	20.00	18.90			1.590	2.048	46
Ant.E	Extremity	QPSK	0	Front	27710	2310.0	25	12	20.00	18.89			1.510	1.950	
Ant.E	Extremity	QPSK	0	Top	27710	2310.0	1	25	20.00	18.90			1.430	1.842	
Ant.E	Extremity	QPSK	0	Top	27710	2310.0	25	12	20.00	18.89			1.410	1.821	

10.2.14. LTE Band 41 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant B	Body	QPSK	10	Rear	41055	2636.5	1	0	18.00	17.69	0.336	0.361			
Ant B	Body	QPSK	10	Rear	41055	2636.5	50	0	18.00	17.65	0.302	0.327			
Ant B	Body	QPSK	10	Front	41055	2636.5	1	0	18.00	17.69	0.244	0.262			
Ant B	Body	QPSK	10	Front	41055	2636.5	50	50	18.00	17.65	0.222	0.241			
Ant B	Body	QPSK	10	Bottom	39750	2506.0	1	0	18.00	17.55	0.509	0.565			
Ant B	Body	QPSK	10	Bottom	39750	2506.0	50	50	18.00	17.64	0.507	0.551			
Ant B	Body	QPSK	10	Bottom	39750	2506.0	100	0	18.00	17.60	0.518	0.568			
Ant B	Body	QPSK	10	Bottom	40185	2549.5	1	0	18.00	17.54	0.614	0.683			
Ant B	Body	QPSK	10	Bottom	40185	2549.5	50	50	18.00	17.49	0.577	0.649			
Ant B	Body	QPSK	10	Bottom	40620	2593.0	1	0	18.00	17.46	0.615	0.696			
Ant B	Body	QPSK	10	Bottom	40620	2593.0	50	50	18.00	17.48	0.671	0.756			
Ant B	Body	QPSK	10	Bottom	41055	2636.5	1	0	18.00	17.69	0.773	0.830			
Ant B	Body	QPSK	10	Bottom	41055	2636.5	50	50	18.00	17.65	0.773	0.838			
Ant B	Body	QPSK	10	Bottom	41490	2680.0	1	0	18.00	17.40	0.781	0.897			
Ant B	Body	QPSK	10	Bottom	41490	2680.0	50	50	18.00	17.37	0.859	0.993			47
Ant B	Body	QPSK	10	Right	41055	2636.5	1	0	18.00	17.69	0.076	0.082			
Ant B	Body	QPSK	10	Right	41055	2636.5	50	50	18.00	17.65	0.063	0.068			
Ant B	Extremity	QPSK	0	Rear	41055	2636.5	1	0	18.00	17.69			0.980	1.053	
Ant B	Extremity	QPSK	0	Rear	41055	2636.5	50	50	18.00	17.65			0.931	1.009	
Ant B	Extremity	QPSK	0	Front	41055	2636.5	1	0	18.00	17.69			0.759	0.815	
Ant B	Extremity	QPSK	0	Front	41055	2636.5	50	50	18.00	17.65			0.704	0.763	
Ant B	Extremity	QPSK	0	Bottom	39750	2506.0	1	0	18.00	17.55			1.400	1.553	
Ant B	Extremity	QPSK	0	Bottom	39750	2506.0	50	50	18.00	17.64			1.390	1.510	
Ant B	Extremity	QPSK	0	Bottom	39750	2506.0	100	0	18.00	17.60			1.400	1.535	
Ant B	Extremity	QPSK	0	Bottom	40185	2549.5	1	0	18.00	17.54			1.440	1.601	
Ant B	Extremity	QPSK	0	Bottom	40185	2549.5	50	50	18.00	17.49			1.390	1.563	
Ant B	Extremity	QPSK	0	Bottom	40620	2593.0	1	0	18.00	17.46			1.470	1.665	
Ant B	Extremity	QPSK	0	Bottom	40620	2593.0	50	50	18.00	17.48			1.540	1.736	
Ant B	Extremity	QPSK	0	Bottom	41055	2636.5	1	0	18.00	17.69			1.650	1.772	
Ant B	Extremity	QPSK	0	Bottom	41055	2636.5	50	50	18.00	17.65			1.730	1.875	
Ant B	Extremity	QPSK	0	Bottom	41490	2680.0	1	0	18.00	17.40			1.650	1.894	
Ant B	Extremity	QPSK	0	Bottom	41490	2680.0	50	50	18.00	17.37			1.710	1.977	48
Ant B	Extremity	QPSK	0	Right	41055	2636.5	1	0	18.00	17.69			0.125	0.134	
Ant B	Extremity	QPSK	0	Right	41055	2636.5	50	50	18.00	17.65			0.110	0.119	

LTE Band 41 Power Class 2

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
Ant.(B)	Body	QPSK	10	Bottom	41490	2680.0	50	50	19.60	19.10	0.637	0.715			
	Extremity	QPSK	0	Bottom	41490	2680.0	50	50	19.60	19.10			1.620	1.818	

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)	Body	43.3	19.6	39.5	0.715	63.3	18.0	39.9	0.993	0.982	-27.2
	Extremity	43.3	19.6	39.5	1.818	63.3	18.0	39.9	1.997	1.975	-7.9

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	FCC UL				SCC UL				Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
					Ch #.	Freq. (MHz)	RB Allocation	RB offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
Ant.(B)	Body	QPSK	10	Bottom	41490	2680.0	50	0	41292	2660.2	50	50	18.00	17.51	0.599	0.671			
	Extremity	QPSK	0	Bottom	41490	2680.0	50	0	41292	2660.2	50	50	18.00	17.51			1.680	1.881	

LTE Band 41 (20MHz Bandwidth) (continued)

Antenna	RF Exposure Condition	Mode	Dist. (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.E	Body	QPSK	10	Rear	41055	2636.5	1	0	21.50	21.18	0.386	0.416			
Ant.E	Body	QPSK	10	Rear	41055	2636.5	50	0	21.50	21.17	0.380	0.410			
Ant.E	Body	QPSK	10	Front	41055	2636.5	1	0	21.50	21.18	0.304	0.327			
Ant.E	Body	QPSK	10	Front	41055	2636.5	50	0	21.50	21.17	0.299	0.323			
Ant.E	Body	QPSK	10	Top	39750	2506.0	1	0	21.50	20.80	0.453	0.532			
Ant.E	Body	QPSK	10	Top	39750	2506.0	50	0	21.50	20.86	0.439	0.509			
Ant.E	Body	QPSK	10	Top	40185	2549.5	1	0	21.50	20.69	0.522	0.629			
Ant.E	Body	QPSK	10	Top	40185	2549.5	50	0	21.50	20.63	0.532	0.650			
Ant.E	Body	QPSK	10	Top	40620	2593.0	1	0	21.50	20.89	0.582	0.670			
Ant.E	Body	QPSK	10	Top	40620	2593.0	50	0	21.50	20.90	0.582	0.668			
Ant.E	Body	QPSK	10	Top	41055	2636.5	1	0	21.50	21.18	0.610	0.657			
Ant.E	Body	QPSK	10	Top	41055	2636.5	50	0	21.50	21.17	0.605	0.653			
Ant.E	Body	QPSK	10	Top	41055	2636.5	100	0	21.50	21.10	0.595	0.652			
Ant.E	Body	QPSK	10	Top	41490	2680.0	1	0	21.50	20.83	0.610	0.712			
Ant.E	Body	QPSK	10	Top	41490	2680.0	50	0	21.50	20.86	0.610	0.707			
Ant.E	Extremity	QPSK	0	Rear	41055	2636.5	1	0	21.50	21.18			0.662	0.713	
Ant.E	Extremity	QPSK	0	Rear	41055	2636.5	50	0	21.50	21.17			0.656	0.708	
Ant.E	Extremity	QPSK	0	Front	41055	2636.5	1	0	21.50	21.18			0.750	0.807	
Ant.E	Extremity	QPSK	0	Front	41055	2636.5	50	0	21.50	21.17			0.733	0.791	
Ant.E	Extremity	QPSK	0	Top	39750	2506.0	1	0	21.50	20.80			1.660	1.950	
Ant.E	Extremity	QPSK	0	Top	39750	2506.0	50	0	21.50	20.86			1.630	1.889	
Ant.E	Extremity	QPSK	0	Top	40185	2549.5	1	0	21.50	20.69			1.830	2.205	
Ant.E	Extremity	QPSK	0	Top	40185	2549.5	50	0	21.50	20.63			1.890	2.309	49
Ant.E	Extremity	QPSK	0	Top	40620	2593.0	1	0	21.50	20.89			1.930	2.221	
Ant.E	Extremity	QPSK	0	Top	40620	2593.0	50	0	21.50	20.90			1.970	2.262	
Ant.E	Extremity	QPSK	0	Top	41055	2636.5	1	0	21.50	21.18			1.780	1.916	
Ant.E	Extremity	QPSK	0	Top	41055	2636.5	50	0	21.50	21.17			1.800	1.942	
Ant.E	Extremity	QPSK	0	Top	41055	2636.5	100	0	21.50	21.10			1.760	1.930	
Ant.E	Extremity	QPSK	0	Top	41490	2680.0	1	0	21.50	20.83			1.750	2.042	
Ant.E	Extremity	QPSK	0	Top	41490	2680.0	50	0	21.50	20.86			1.780	2.063	

LTE Band 41 Power Class 2

Antenna	RF Exposure Conditions	Mode	Dist. (mm)	Test Position	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Power (dBm)		1-g SAR (W/kg)		10-g SAR (W/kg)		Plot No.
									Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
Ant.(E)	Body	QPSK	10	Top	41490	2680.0	1	0	23.60	22.78	0.620	0.749			50
	Extremity	QPSK	0	Top	40185	2549.5	50	0	23.60	22.67			1.850	2.292	

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.(E)	Body	43.3	23.6	99.2	0.749	63.3	22.0	100.3	0.712	0.704	6.4
	Extremity	43.3	23.6	99.2	2.292	63.3	22.0	100.3	2.309	2.283	0.4

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 offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
Ant.(E)	Body	QPSK	10	Top	41490	2680.0	1	0	41292	2660.2	1	99	21.50	21.16	0.668	0.722			
	Extremity	QPSK	0	Top	40185	2549.5	50	0	39987	2529.7	50	50	21.50	20.85			1.770	2.056	

10.2.15. LTE Band 48 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.E	Body	QPSK	10	Rear	55340	3560.0	1	0	20.50	19.67	0.553	0.669			
Ant.E	Body	QPSK	10	Rear	55340	3560.0	50	0	20.50	19.66	0.556	0.675			
Ant.E	Body	QPSK	10	Rear	55773	3603.3	1	0	20.50	19.62	0.600	0.735			
Ant.E	Body	QPSK	10	Rear	55773	3603.3	50	0	20.50	19.72	0.605	0.724			
Ant.E	Body	QPSK	10	Rear	56207	3646.7	1	0	20.50	19.58	0.657	0.812			
Ant.E	Body	QPSK	10	Rear	56207	3646.7	50	0	20.50	19.63	0.620	0.758			
Ant.E	Body	QPSK	10	Rear	56640	3690.0	1	0	20.50	19.82	0.636	0.744			
Ant.E	Body	QPSK	10	Rear	56640	3690.0	50	0	20.50	19.92	0.645	0.737			
Ant.E	Body	QPSK	10	Rear	56640	3690.0	100	0	19.50	19.90	0.658	0.600			
Ant.E	Body	QPSK	10	Front	56640	3690.0	1	0	20.50	19.82	0.218	0.255			
Ant.E	Body	QPSK	10	Front	56640	3690.0	50	0	20.50	19.92	0.223	0.255			
Ant.E	Body	QPSK	10	Top	55340	3560.0	1	0	20.50	19.67	0.682	0.826			
Ant.E	Body	QPSK	10	Top	55340	3560.0	50	0	20.50	19.66	0.677	0.821			
Ant.E	Body	QPSK	10	Top	55773	3603.3	1	0	20.50	19.62	0.728	0.892			
Ant.E	Body	QPSK	10	Top	55773	3603.3	50	0	20.50	19.72	0.731	0.875			
Ant.E	Body	QPSK	10	Top	56207	3646.7	1	0	20.50	19.58	0.778	0.962			
Ant.E	Body	QPSK	10	Top	56207	3646.7	50	0	20.50	19.63	0.794	0.970			
Ant.E	Body	QPSK	10	Top	56640	3690.0	1	0	20.50	19.82	0.851	0.995			51
Ant.E	Body	QPSK	10	Top	56640	3690.0	50	0	20.50	19.92	0.864	0.987			
Ant.E	Body	QPSK	10	Top	56640	3690.0	100	0	19.50	19.90	0.810	0.739			
Ant.E	Extremity	QPSK	0	Rear	56640	3690.0	1	0	20.50	19.82			0.922	1.078	
Ant.E	Extremity	QPSK	0	Rear	56640	3690.0	50	0	20.50	19.92			0.920	1.051	
Ant.E	Extremity	QPSK	0	Front	56640	3690.0	1	0	20.50	19.82			0.963	1.126	
Ant.E	Extremity	QPSK	0	Front	56640	3690.0	50	0	20.50	19.92			0.973	1.112	
Ant.E	Extremity	QPSK	0	Top	55340	3560.0	1	0	20.50	19.67			2.350	2.845	
Ant.E	Extremity	QPSK	0	Top	55340	3560.0	50	0	20.50	19.66			2.350	2.851	
Ant.E	Extremity	QPSK	0	Top	55773	3603.3	1	0	20.50	19.62			2.410	2.951	
Ant.E	Extremity	QPSK	0	Top	55773	3603.3	50	0	20.50	19.72			2.440	2.920	
Ant.E	Extremity	QPSK	0	Top	56207	3646.7	1	0	20.50	19.58			2.460	3.040	52
Ant.E	Extremity	QPSK	0	Top	56207	3646.7	50	0	20.50	19.63			2.460	3.006	
Ant.E	Extremity	QPSK	0	Top	56640	3690.0	1	0	20.50	19.82			2.510	2.935	
Ant.E	Extremity	QPSK	0	Top	56640	3690.0	50	0	20.50	19.92			2.590	2.960	
Ant.E	Extremity	QPSK	0	Top	56640	3690.0	100	0	20.50	19.90			2.430	2.790	

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 offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
Ant.(E)	Body	QPSK	10	Top	56640	3690.0	1	0	56442	3670.2	1	99	20.50	19.79	0.773	0.910			
	Extremity	QPSK	0	Top	56207	3646.7	1	0	56009	3626.9	1	99	20.50	19.57			1.770	2.193	

10.2.16. LTE Band 66 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant B	Body	QPSK	10	Rear	132572	1770.0	1	0	20.00	19.07	0.580	0.719			
Ant B	Body	QPSK	10	Rear	132572	1770.0	50	0	20.00	19.09	0.582	0.718			
Ant B	Body	QPSK	10	Front	132572	1770.0	1	0	20.00	19.07	0.486	0.602			
Ant B	Body	QPSK	10	Front	132572	1770.0	50	0	20.00	19.09	0.476	0.587			
Ant B	Body	QPSK	10	Bottom	132072	1720.0	1	0	20.00	18.96	0.481	0.611			
Ant B	Body	QPSK	10	Bottom	132072	1720.0	50	0	20.00	19.01	0.507	0.637			
Ant B	Body	QPSK	10	Bottom	132322	1745.0	1	0	20.00	18.87	0.592	0.768			
Ant B	Body	QPSK	10	Bottom	132322	1745.0	50	0	20.00	18.93	0.625	0.800			
Ant B	Body	QPSK	10	Bottom	132572	1770.0	1	0	20.00	19.07	0.664	0.823			
Ant B	Body	QPSK	10	Bottom	132572	1770.0	50	0	20.00	19.09	0.661	0.815			
Ant B	Body	QPSK	10	Bottom	132572	1770.0	100	0	20.00	19.10	0.675	0.830			53
Ant B	Body	QPSK	10	Right	132572	1770.0	1	0	20.00	19.07	0.149	0.185			
Ant B	Body	QPSK	10	Right	132572	1770.0	50	0	20.00	19.09	0.146	0.180			
Ant B	Extremity	QPSK	0	Rear	132572	1770.0	1	0	20.00	19.07			1.180	1.462	
Ant B	Extremity	QPSK	0	Rear	132572	1770.0	50	0	20.00	19.09			1.150	1.418	
Ant B	Extremity	QPSK	0	Front	132572	1770.0	1	0	20.00	19.07			1.280	1.586	
Ant B	Extremity	QPSK	0	Front	132572	1770.0	50	0	20.00	19.09			1.260	1.554	
Ant B	Extremity	QPSK	0	Bottom	132072	1720.0	1	0	20.00	18.96			1.510	1.919	
Ant B	Extremity	QPSK	0	Bottom	132072	1720.0	50	0	20.00	19.01			1.600	2.010	
Ant B	Extremity	QPSK	0	Bottom	132322	1745.0	1	0	20.00	18.87			1.810	2.348	
Ant B	Extremity	QPSK	0	Bottom	132322	1745.0	50	0	20.00	18.93			1.890	2.418	
Ant B	Extremity	QPSK	0	Bottom	132572	1770.0	1	0	20.00	19.07			1.960	2.428	
Ant B	Extremity	QPSK	0	Bottom	132572	1770.0	50	0	20.00	19.09			2.070	2.553	
Ant B	Extremity	QPSK	0	Bottom	132572	1770.0	100	0	20.00	19.10			2.110	2.596	54
Ant B	Extremity	QPSK	0	Right	132572	1770.0	1	0	20.00	19.07			0.404	0.500	
Ant B	Extremity	QPSK	0	Right	132572	1770.0	50	0	20.00	19.09			0.401	0.494	

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 offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
Ant.(B)	Body	QPSK	10	Bottom	132597	1772.5	75	0	132504	1763.2	25	0	20.00	19.11	0.671	0.824			
	Extremity	QPSK	0	Bottom	132597	1772.5	75	0	132504	1763.2	25	0	20.00	19.11			2.030	2.492	

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 offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
Ant.(E)	Body	QPSK	10	Top	132597	1772.5	36	0	132504	1763.2	12	13	21.00	19.23	0.412	0.619			
	Extremity	QPSK	0	Top	132597	1772.5	36	0	132504	1763.2	12	13	21.00	19.23			1.100	1.653	

LTE Band 66 (20MHz Bandwidth) (Continued)

Antenna	RF Exposure Condition	Mode	Dist. (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.E	Body	QPSK	10	Rear	132572	1770.0	1	99	21.00	19.73	0.411	0.551			
Ant.E	Body	QPSK	10	Rear	132572	1770.0	50	50	21.00	19.69	0.425	0.575			
Ant.E	Body	QPSK	10	Front	132572	1770.0	1	99	21.00	19.73	0.354	0.474			
Ant.E	Body	QPSK	10	Front	132572	1770.0	50	50	21.00	19.69	0.353	0.477			
Ant.E	Body	QPSK	10	Top	132572	1770.0	1	99	21.00	19.73	0.462	0.619			
Ant.E	Body	QPSK	10	Top	132572	1770.0	50	50	21.00	19.69	0.466	0.630			55
Ant.E	Extremity	QPSK	0	Rear	132572	1770.0	1	99	21.00	19.73			0.932	1.249	
Ant.E	Extremity	QPSK	0	Rear	132572	1770.0	50	50	21.00	19.69			0.936	1.266	
Ant.E	Extremity	QPSK	0	Front	132572	1770.0	1	99	21.00	19.73			0.914	1.224	
Ant.E	Extremity	QPSK	0	Front	132572	1770.0	50	50	21.00	19.69			0.895	1.210	
Ant.E	Extremity	QPSK	0	Top	132572	1770.0	1	99	21.00	19.73			1.420	1.902	
Ant.E	Extremity	QPSK	0	Top	132572	1770.0	50	50	21.00	19.69			1.420	1.920	56

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 offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
Ant.(B)	Body	QPSK	10	Bottom	132572	1770.0	100	0	132374	1750.2	100	0	20.00	19.06	0.635	0.788			
	Extremity	QPSK	0	Bottom	132572	1770.0	100	0	132374	1750.2	100	0	20.00	19.06			1.930	2.396	

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 offset	Ch #.	Freq. (MHz)	RB Allocation	RB offset	Tune-up limit	Meas.	Meas.	Scaled	Meas.	Scaled	
Ant.(E)	Body	QPSK	10	Top	132572	1770.0	50	0	132374	1750.2	50	50	21.00	19.51	0.407	0.574			
	Extremity	QPSK	0	Top	132572	1770.0	50	0	132374	1750.2	50	50	21.00	19.51			1.130	1.592	

10.2.17. LTE Band 71 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant A+B	Body	QPSK	10	Rear	133297	680.5	1	0	25.20	24.25	0.361	0.449			57
Ant A+B	Body	QPSK	10	Rear	133297	680.5	50	0	24.20	23.30	0.294	0.362			
Ant A+B	Body	QPSK	10	Front	133297	680.5	1	0	25.20	24.25	0.253	0.315			
Ant A+B	Body	QPSK	10	Front	133297	680.5	50	0	24.20	23.30	0.253	0.311			
Ant A+B	Body	QPSK	10	Bottom	133297	680.5	1	0	25.20	24.25	0.205	0.255			
Ant A+B	Body	QPSK	10	Bottom	133297	680.5	50	0	24.20	23.30	0.163	0.201			
Ant A+B	Body	QPSK	10	Right	133297	680.5	1	0	25.20	24.25	0.278	0.346			
Ant A+B	Body	QPSK	10	Right	133297	680.5	50	0	24.20	23.30	0.219	0.269			
Ant A+B	Extremity	QPSK	0	Rear	133297	680.5	1	0	25.20	24.25			0.856	1.065	
Ant A+B	Extremity	QPSK	0	Rear	133297	680.5	50	0	24.20	23.30			0.697	0.857	
Ant A+B	Extremity	QPSK	0	Front	133297	680.5	1	0	25.20	24.25			1.340	1.668	58
Ant A+B	Extremity	QPSK	0	Front	133297	680.5	50	0	24.20	23.30			1.100	1.353	
Ant A+B	Extremity	QPSK	0	Bottom	133297	680.5	1	0	25.20	24.25			0.751	0.935	
Ant A+B	Extremity	QPSK	0	Bottom	133297	680.5	50	0	24.20	23.30			0.633	0.779	
Ant A+B	Extremity	QPSK	0	Right	133297	680.5	1	0	25.20	24.25			1.230	1.531	
Ant A+B	Extremity	QPSK	0	Right	133297	680.5	50	0	24.20	23.30			1.020	1.255	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.D	Body	QPSK	10	Rear	133297	680.5	1	0	25.20	24.25	0.307	0.382			59
Ant.D	Body	QPSK	10	Rear	133297	680.5	50	0	24.20	23.23	0.255	0.319			
Ant.D	Body	QPSK	10	Front	133297	680.5	1	0	25.20	24.25	0.282	0.351			
Ant.D	Body	QPSK	10	Front	133297	680.5	50	0	24.20	23.23	0.224	0.280			
Ant.D	Body	QPSK	10	Top	133297	680.5	1	0	25.20	24.25	0.207	0.258			
Ant.D	Body	QPSK	10	Top	133297	680.5	50	0	24.20	23.23	0.167	0.209			
Ant.D	Body	QPSK	10	Right	133297	680.5	1	0	25.20	24.25	0.256	0.319			
Ant.D	Body	QPSK	10	Right	133297	680.5	50	0	24.20	23.23	0.215	0.269			
Ant.D	Extremity	QPSK	0	Rear	133297	680.5	1	0	25.20	24.25			0.521	0.648	
Ant.D	Extremity	QPSK	0	Rear	133297	680.5	50	0	24.20	23.23			0.418	0.523	
Ant.D	Extremity	QPSK	0	Front	133297	680.5	1	0	25.20	24.25			0.887	1.104	
Ant.D	Extremity	QPSK	0	Front	133297	680.5	50	0	24.20	23.23			0.674	0.843	
Ant.D	Extremity	QPSK	0	Top	133297	680.5	1	0	25.20	24.25			0.929	1.156	
Ant.D	Extremity	QPSK	0	Top	133297	680.5	50	0	24.20	23.23			0.757	0.946	
Ant.D	Extremity	QPSK	0	Right	133297	680.5	1	0	25.20	24.25			1.310	1.630	60
Ant.D	Extremity	QPSK	0	Right	133297	680.5	50	0	24.20	23.23			1.030	1.288	

10.2.18. NR Band n5 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Rear	167300	836.5	1	52	25.00	23.65	0.513	0.700			61
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Rear	167300	836.5	50	28	25.00	23.65	0.511	0.697			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Front	167300	836.5	1	52	25.00	23.65	0.378	0.516			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Front	167300	836.5	50	28	25.00	23.65	0.351	0.479			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Bottom	167300	836.5	1	52	25.00	23.65	0.253	0.345			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Bottom	167300	836.5	50	28	25.00	23.65	0.257	0.351			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Right	167300	836.5	1	52	25.00	23.65	0.329	0.449			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Right	167300	836.5	50	28	25.00	23.65	0.332	0.453			
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Rear	167300	836.5	1	52	25.00	23.65			1.100	1.501	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Rear	167300	836.5	50	28	25.00	23.65			1.110	1.515	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Front	167300	836.5	1	52	25.00	23.65			1.130	1.542	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Front	167300	836.5	50	28	25.00	23.65			1.140	1.556	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	167300	836.5	1	52	25.00	23.65			0.628	0.857	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	167300	836.5	50	28	25.00	23.65			0.620	0.846	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Right	167300	836.5	1	52	25.00	23.65			1.330	1.815	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Right	167300	836.5	50	28	25.00	23.65			1.340	1.829	62
Ant A+B	Body	CP-OFDM_QPSK	10	Rear	167300	836.5	1	1	23.50	22.24	0.367	0.479			
Ant A+B	Extremity	CP-OFDM_QPSK	0	Right	167300	836.5	1	1	23.50	22.24			0.918	1.199	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.D	Body	DFT-s-OFDM_QPSK	10	Rear	167300	836.5	1	1	25.00	23.72	0.335	0.450			63
Ant.D	Body	DFT-s-OFDM_QPSK	10	Rear	167300	836.5	50	28	25.00	23.63	0.325	0.446			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Front	167300	836.5	1	1	25.00	23.72	0.256	0.344			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Front	167300	836.5	50	28	25.00	23.63	0.266	0.365			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Top	167300	836.5	1	1	25.00	23.72	0.205	0.275			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Top	167300	836.5	50	28	25.00	23.63	0.202	0.277			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Right	167300	836.5	1	1	25.00	23.72	0.217	0.291			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Right	167300	836.5	50	28	25.00	23.63	0.216	0.296			
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Rear	167300	836.5	1	1	25.00	23.72			0.632	0.849	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Rear	167300	836.5	50	28	25.00	23.63			0.629	0.862	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Front	167300	836.5	1	1	25.00	23.72			1.340	1.799	64
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Front	167300	836.5	50	28	25.00	23.63			1.310	1.796	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Top	167300	836.5	1	1	25.00	23.72			0.700	0.940	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Top	167300	836.5	50	28	25.00	23.63			0.711	0.975	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Right	167300	836.5	1	1	25.00	23.72			0.681	0.914	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Right	167300	836.5	50	28	25.00	23.63			0.525	0.720	
Ant.D	Body	CP-OFDM_QPSK	10	Rear	167300	836.5	1	1	23.50	22.14	0.216	0.295			
Ant.D	Extremity	CP-OFDM_QPSK	0	Front	167300	836.5	1	1	23.50	22.14			1.020	1.395	

Note(s):

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

10.2.19. NR Band n7 (40MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant B	Body	DFT-s-OFDM_QPSK	10	Rear	507000	2535.0	1	1	19.00	18.15	0.487	0.592			
Ant B	Body	DFT-s-OFDM_QPSK	10	Rear	507000	2535.0	108	54	19.00	18.16	0.471	0.570			
Ant B	Body	DFT-s-OFDM_QPSK	10	Front	507000	2535.0	1	1	19.00	18.15	0.269	0.327			
Ant B	Body	DFT-s-OFDM_QPSK	10	Front	507000	2535.0	108	54	19.00	18.16	0.322	0.390			
Ant B	Body	DFT-s-OFDM_QPSK	10	Bottom	507000	2535.0	1	1	19.00	18.15	0.707	0.860			
Ant B	Body	DFT-s-OFDM_QPSK	10	Bottom	507000	2535.0	108	54	19.00	18.16	0.834	1.010			65
Ant B	Body	DFT-s-OFDM_QPSK	10	Bottom	507000	2535.0	216	0	19.00	18.08	0.815	1.007			
Ant B	Body	DFT-s-OFDM_QPSK	10	Right	507000	2535.0	1	1	19.00	18.15	0.085	0.103			
Ant B	Body	DFT-s-OFDM_QPSK	10	Right	507000	2535.0	108	54	19.00	18.16	0.090	0.109			
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Rear	507000	2535.0	1	1	19.00	18.15			1.010	1.228	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Rear	507000	2535.0	108	54	19.00	18.16			0.935	1.132	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Front	507000	2535.0	1	1	19.00	18.15			0.988	1.202	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Front	507000	2535.0	108	54	19.00	18.16			1.120	1.356	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	507000	2535.0	1	1	19.00	18.15			2.430	2.955	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	507000	2535.0	108	54	19.00	18.16			2.420	2.930	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	507000	2535.0	216	0	19.00	18.08			2.500	3.090	66
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Right	507000	2535.0	1	1	19.00	18.15			0.140	0.170	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Right	507000	2535.0	108	54	19.00	18.16			0.168	0.203	
Ant B	Body	CP-OFDM_QPSK	10	Bottom	507000	2535.0	1	1	19.00	18.08	0.629	0.777			
Ant B	Extremity	CP-OFDM_QPSK	0	Bottom	507000	2535.0	1	1	19.00	18.08			2.230	2.756	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	507000	2535.0	1	214	20.00	18.31	0.524	0.773			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	507000	2535.0	108	54	20.00	18.26	0.458	0.684			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Front	507000	2535.0	1	214	20.00	18.31	0.258	0.381			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Front	507000	2535.0	108	54	20.00	18.26	0.254	0.379			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	507000	2535.0	1	214	20.00	18.31	0.544	0.803			67
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	507000	2535.0	108	54	20.00	18.26	0.513	0.766			
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Rear	507000	2535.0	1	214	20.00	18.31			0.457	0.674	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Rear	507000	2535.0	108	54	20.00	18.26			0.494	0.737	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Front	507000	2535.0	1	214	20.00	18.31			0.680	1.003	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Front	507000	2535.0	108	54	20.00	18.26			0.713	1.064	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	507000	2535.0	1	214	20.00	18.31			1.820	2.686	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	507000	2535.0	108	54	20.00	18.26			1.920	2.866	68
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	507000	2535.0	216	0	20.00	18.32			1.920	2.827	
Ant.E	Body	CP-OFDM_QPSK	10	top	507000	2535.0	1	1	20.00	18.38	0.369	0.536			
Ant.E	Extremity	CP-OFDM_QPSK	0	top	507000	2535.0	1	1	20.00	18.38			1.380	2.004	

10.2.20. NR Band n12 (15MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Rear	141500	707.5	1	1	25.00	23.85	0.402	0.524			69
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Rear	141500	707.5	36	21	25.00	23.82	0.382	0.501			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Front	141500	707.5	1	1	25.00	23.85	0.283	0.369			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Front	141500	707.5	36	21	25.00	23.82	0.276	0.362			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Bottom	141500	707.5	1	1	25.00	23.85	0.186	0.242			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Bottom	141500	707.5	36	21	25.00	23.82	0.198	0.280			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Right	141500	707.5	1	1	25.00	23.85	0.299	0.390			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Right	141500	707.5	36	21	25.00	23.82	0.259	0.340			
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Rear	141500	707.5	1	1	25.00	23.85			1.060	1.381	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Rear	141500	707.5	36	21	25.00	23.82			1.030	1.352	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Front	141500	707.5	1	1	25.00	23.85			1.110	1.447	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Front	141500	707.5	36	21	25.00	23.82			1.000	1.312	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	141500	707.5	1	1	25.00	23.85			0.873	1.138	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	141500	707.5	36	21	25.00	23.82			0.708	0.929	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Right	141500	707.5	1	1	25.00	23.85			1.670	2.176	70
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Right	141500	707.5	36	21	25.00	23.82			1.620	2.126	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Right	141500	707.5	75	0	24.00	22.84			1.190	1.554	
Ant A+B	Body	CP-OFDM_QPSK	10	Rear	141500	707.5	1	1	23.50	22.43	0.275	0.352			
Ant A+B	Extremity	CP-OFDM_QPSK	0	Right	141500	707.5	1	1	23.50	22.43			1.180	1.510	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.D	Body	DFT-s-OFDM_QPSK	10	Rear	141500	707.5	1	1	25.00	23.62	0.264	0.363			71
Ant.D	Body	DFT-s-OFDM_QPSK	10	Rear	141500	707.5	36	21	25.00	23.67	0.230	0.312			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Front	141500	707.5	1	1	25.00	23.62	0.170	0.234			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Front	141500	707.5	36	21	25.00	23.67	0.157	0.213			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Top	141500	707.5	1	1	25.00	23.62	0.225	0.309			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Top	141500	707.5	36	21	25.00	23.67	0.183	0.249			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Right	141500	707.5	1	1	25.00	23.62	0.261	0.359			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Right	141500	707.5	36	21	25.00	23.67	0.256	0.348			
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Rear	141500	707.5	1	1	25.00	23.62			0.505	0.694	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Rear	141500	707.5	36	21	25.00	23.67			0.416	0.565	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Front	141500	707.5	1	1	25.00	23.62			0.662	0.910	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Front	141500	707.5	36	21	25.00	23.67			0.667	0.906	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Top	141500	707.5	1	1	25.00	23.62			0.993	1.364	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Top	141500	707.5	36	21	25.00	23.67			0.805	1.093	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Right	141500	707.5	1	1	25.00	23.62			1.380	1.896	72
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Right	141500	707.5	36	21	25.00	23.67			1.280	1.739	
Ant.D	Body	CP-OFDM_QPSK	10	Rear	141500	707.5	1	1	23.50	22.34	0.186	0.243			
Ant.D	Extremity	CP-OFDM_QPSK	0	Right	141500	707.5	1	1	23.50	22.34			0.953	1.245	

Note(s):

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

10.2.21. NR Band n25 (40MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant B	Body	DFT-s-OFDM_QPSK	10	Rear	376500	1882.5	1	1	19.00	18.45	0.628	0.713			
Ant B	Body	DFT-s-OFDM_QPSK	10	Rear	376500	1882.5	108	54	19.00	18.23	0.591	0.706			
Ant B	Body	DFT-s-OFDM_QPSK	10	Front	376500	1882.5	1	1	19.00	18.45	0.380	0.431			
Ant B	Body	DFT-s-OFDM_QPSK	10	Front	376500	1882.5	108	54	19.00	18.23	0.367	0.438			
Ant B	Body	DFT-s-OFDM_QPSK	10	Bottom	376500	1882.5	1	1	19.00	18.45	0.944	1.071			
Ant B	Body	DFT-s-OFDM_QPSK	10	Bottom	376500	1882.5	108	54	19.00	18.23	0.926	1.106			73
Ant B	Body	DFT-s-OFDM_QPSK	10	Bottom	376500	1882.5	216	0	19.00	18.22	0.876	1.048			
Ant B	Body	DFT-s-OFDM_QPSK	10	Right	376500	1882.5	1	1	19.00	18.45	0.199	0.226			
Ant B	Body	DFT-s-OFDM_QPSK	10	Right	376500	1882.5	108	54	19.00	18.23	0.221	0.264			
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Rear	376500	1882.5	1	1	19.00	18.45			1.470	1.668	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Rear	376500	1882.5	108	54	19.00	18.23			1.390	1.660	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Front	376500	1882.5	1	1	19.00	18.45			0.984	1.117	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Front	376500	1882.5	108	54	19.00	18.23			0.899	1.073	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	376500	1882.5	1	1	19.00	18.45			2.710	3.076	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	376500	1882.5	108	54	19.00	18.23			2.540	3.033	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	376500	1882.5	216	0	19.00	18.22			2.610	3.123	74
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Right	376500	1882.5	1	1	19.00	18.45			0.552	0.627	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Right	376500	1882.5	108	54	19.00	18.23			0.594	0.709	
Ant B	Body	CP-OFDM_QPSK	10	Bottom	376500	1882.5	1	1	19.00	18.57	0.931	1.028			
Ant B	Extremity	CP-OFDM_QPSK	0	Bottom	376500	1882.5	1	1	19.00	18.57			2.580	2.849	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	376500	1882.5	1	1	21.00	19.86	0.423	0.550			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	376500	1882.5	108	0	21.00	19.63	0.400	0.548			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Front	376500	1882.5	1	1	21.00	19.86	0.186	0.242			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Front	376500	1882.5	108	0	21.00	19.63	0.177	0.243			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	376500	1882.5	1	1	21.00	19.86	0.487	0.633			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	376500	1882.5	108	0	21.00	19.63	0.464	0.636			75
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Rear	376500	1882.5	1	1	21.00	19.86			0.620	0.806	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Rear	376500	1882.5	108	0	21.00	19.63			0.585	0.802	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Front	376500	1882.5	1	1	21.00	19.86			0.510	0.663	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Front	376500	1882.5	108	0	21.00	19.63			0.513	0.703	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	376500	1882.5	1	1	21.00	19.86			1.540	2.002	76
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	376500	1882.5	108	0	21.00	19.63			1.460	2.001	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	376500	1882.5	216	0	21.00	19.68			1.360	1.843	
Ant.E	Body	CP-OFDM_QPSK	10	Top	376500	1882.5	1	1	21.00	19.97	0.458	0.581			
Ant.E	Extremity	CP-OFDM_QPSK	0	Top	376500	1882.5	1	1	21.00	19.97			1.420	1.800	

10.2.22. NR Band n26 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Rear	166300	831.5	1	52	25.00	23.85	0.554	0.722			77
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Rear	166300	831.5	50	28	25.00	23.73	0.534	0.715			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Front	166300	831.5	1	52	25.00	23.85	0.346	0.451			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Front	166300	831.5	50	28	25.00	23.73	0.356	0.477			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Bottom	166300	831.5	1	52	25.00	23.85	0.234	0.306			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Bottom	166300	831.5	50	28	25.00	23.73	0.225	0.301			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Right	166300	831.5	1	52	25.00	23.85	0.270	0.352			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Right	166300	831.5	50	28	25.00	23.73	0.263	0.352			
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Rear	166300	831.5	1	52	25.00	23.85			1.170	1.525	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Rear	166300	831.5	50	28	25.00	23.85			1.140	1.527	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Front	166300	831.5	1	52	25.00	23.73			1.290	1.681	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Front	166300	831.5	50	28	25.00	23.73			1.310	1.755	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	166300	831.5	1	52	25.00	23.85			0.598	0.779	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	166300	831.5	50	28	25.00	23.73			0.596	0.798	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Right	166300	831.5	1	52	25.00	23.85			1.340	1.746	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Right	166300	831.5	50	28	25.00	23.73			1.350	1.809	78
Ant A+B	Body	CP-OFDM_QPSK	10	Rear	166300	831.5	1	1	23.50	22.34	0.287	0.375			
Ant A+B	Extremity	CP-OFDM_QPSK	0	Right	166300	831.5	1	1	23.50	22.34			0.798	1.042	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.D	Body	DFT-s-OFDM_QPSK	10	Rear	166300	831.5	1	1	25.00	23.81	0.308	0.405			79
Ant.D	Body	DFT-s-OFDM_QPSK	10	Rear	166300	831.5	50	28	25.00	23.68	0.294	0.398			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Front	166300	831.5	1	1	25.00	23.81	0.210	0.276			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Front	166300	831.5	50	28	25.00	23.68	0.233	0.316			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Top	166300	831.5	1	1	25.00	23.81	0.097	0.128			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Top	166300	831.5	50	28	25.00	23.68	0.109	0.148			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Right	166300	831.5	1	1	25.00	23.81	0.089	0.117			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Right	166300	831.5	50	28	25.00	23.68	0.096	0.130			
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Rear	166300	831.5	1	1	25.00	23.81			0.566	0.744	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Rear	166300	831.5	50	28	25.00	23.68			0.562	0.762	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Front	166300	831.5	1	1	25.00	23.81			1.020	1.342	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Front	166300	831.5	50	28	25.00	23.68			1.110	1.504	80
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Top	166300	831.5	1	1	25.00	23.81			0.351	0.462	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Top	166300	831.5	50	28	25.00	23.68			0.420	0.569	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Right	166300	831.5	1	1	25.00	23.81			0.261	0.343	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Right	166300	831.5	50	28	25.00	23.68			0.269	0.365	
Ant.D	Body	CP-OFDM_QPSK	10	Rear	166300	831.5	1	1	23.50	22.36	0.149	0.194			
Ant.D	Extremity	CP-OFDM_QPSK	0	Front	166300	831.5	1	1	23.50	22.36			0.736	0.957	

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

10.2.23. NR Band n30 (10MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant B	Body	DFT-s-OFDM_QPSK	10	Rear	462000	2310.0	1	1	17.00	16.68	0.434	0.467			
Ant B	Body	DFT-s-OFDM_QPSK	10	Rear	462000	2310.0	25	13	17.00	16.70	0.438	0.469			
Ant B	Body	DFT-s-OFDM_QPSK	10	Front	462000	2310.0	1	1	17.00	16.68	0.236	0.254			
Ant B	Body	DFT-s-OFDM_QPSK	10	Front	462000	2310.0	25	13	17.00	16.70	0.243	0.260			
Ant B	Body	DFT-s-OFDM_QPSK	10	Bottom	462000	2310.0	1	1	17.00	16.68	0.705	0.759			81
Ant B	Body	DFT-s-OFDM_QPSK	10	Bottom	462000	2310.0	25	13	17.00	16.70	0.675	0.723			
Ant B	Body	DFT-s-OFDM_QPSK	10	Right	462000	2310.0	1	1	17.00	16.68	0.098	0.105			
Ant B	Body	DFT-s-OFDM_QPSK	10	Right	462000	2310.0	25	13	17.00	16.70	0.100	0.107			
Ant B	Body	DFT-s-OFDM_QPSK	0	Rear	462000	2310.0	1	1	17.00	16.68			1.140	1.227	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Rear	462000	2310.0	25	13	17.00	16.70			1.160	1.243	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Front	462000	2310.0	1	1	17.00	16.68			0.876	0.943	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Front	462000	2310.0	25	13	17.00	16.70			0.825	0.884	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	462000	2310.0	1	1	17.00	16.68			2.120	2.282	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	462000	2310.0	25	13	17.00	16.70			2.190	2.347	82
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	462000	2310.0	50	0	17.00	16.58			2.060	2.269	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Right	462000	2310.0	1	1	17.00	16.68			0.136	0.146	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Right	462000	2310.0	25	13	17.00	16.70			0.138	0.148	
Ant B	Body	CP-OFDM_QPSK	10	Bottom	462000	2310.0	1	1	17.00	16.90	0.680	0.696			
Ant B	Extremity	CP-OFDM_QPSK	0	Bottom	462000	2310.0	1	1	17.00	16.90			2.110	2.159	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	462000	2310.0	1	1	20.00	19.05	0.625	0.778			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	462000	2310.0	25	13	20.00	18.98	0.612	0.774			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Front	462000	2310.0	1	1	20.00	19.05	0.376	0.468			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Front	462000	2310.0	25	13	20.00	18.98	0.369	0.467			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	462000	2310.0	1	1	20.00	19.05	0.736	0.916			83
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	462000	2310.0	25	13	20.00	18.98	0.707	0.894			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	462000	2310.0	50	0	20.00	18.96	0.664	0.844			
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Rear	462000	2310.0	1	1	20.00	19.05			0.817	1.017	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Rear	462000	2310.0	25	13	20.00	18.98			0.781	0.988	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Front	462000	2310.0	1	1	20.00	19.05			1.020	1.269	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Front	462000	2310.0	25	13	20.00	18.98			1.010	1.277	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	462000	2310.0	1	1	20.00	19.05			1.320	1.643	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	462000	2310.0	25	13	20.00	18.98			1.360	1.720	84
Ant.E	Body	CP-OFDM_QPSK	10	Top	462000	2310.0	1	1	20.00	19.14	0.710	0.865			
Ant.E	Extremity	CP-OFDM_QPSK	0	Top	462000	2310.0	1	1	20.00	19.14			1.240	1.512	

10.2.24. NR Band n66 (40MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant B	Body	DFT-s-OFDM_QPSK	10	Rear	349000	1745.0	1	1	20.00	18.91	0.486	0.625			
Ant B	Body	DFT-s-OFDM_QPSK	10	Rear	349000	1745.0	108	54	20.00	18.84	0.550	0.718			
Ant B	Body	DFT-s-OFDM_QPSK	10	Front	349000	1745.0	1	1	20.00	18.91	0.238	0.306			
Ant B	Body	DFT-s-OFDM_QPSK	10	Front	349000	1745.0	108	54	20.00	18.84	0.266	0.347			
Ant B	Body	DFT-s-OFDM_QPSK	10	Bottom	349000	1745.0	1	1	20.00	18.91	0.539	0.693			
Ant B	Body	DFT-s-OFDM_QPSK	10	Bottom	349000	1745.0	108	54	20.00	18.84	0.642	0.839			85
Ant B	Body	DFT-s-OFDM_QPSK	10	Right	349000	1745.0	1	1	20.00	18.91	0.153	0.197			
Ant B	Body	DFT-s-OFDM_QPSK	10	Right	349000	1745.0	108	54	20.00	18.84	0.174	0.227			
Ant B	Body	DFT-s-OFDM_QPSK	0	Rear	349000	1745.0	1	1	20.00	18.91			1.060	1.362	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Rear	349000	1745.0	108	54	20.00	18.84			1.240	1.620	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Front	349000	1745.0	1	1	20.00	18.91			1.210	1.555	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Front	349000	1745.0	108	54	20.00	18.84			1.230	1.607	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	349000	1745.0	1	1	20.00	18.91			1.940	2.493	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	349000	1745.0	108	54	20.00	18.84			2.130	2.782	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	349000	1745.0	216	0	20.00	18.70			2.100	2.833	86
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Right	349000	1745.0	1	1	20.00	18.91			0.286	0.368	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Right	349000	1745.0	108	54	20.00	18.84			0.348	0.455	
Ant B	Body	CP-OFDM_QPSK	10	Bottom	349000	1745.0	1	1	20.00	18.87	0.618	0.802			
Ant B	Extremity	CP-OFDM_QPSK	0	Bottom	349000	1745.0	1	1	20.00	18.87			1.550	2.011	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	349000	1745.0	1	214	21.00	19.72	0.444	0.596			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	349000	1745.0	108	54	21.00	19.45	0.508	0.726			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Front	349000	1745.0	1	214	21.00	19.72	0.219	0.294			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Front	349000	1745.0	108	54	21.00	19.45	0.249	0.356			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	349000	1745.0	1	214	21.00	19.72	0.488	0.655			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	349000	1745.0	108	54	21.00	19.45	0.547	0.782			87
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Rear	349000	1745.0	1	214	21.00	19.72			0.902	1.211	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Rear	349000	1745.0	108	54	21.00	19.45			1.000	1.429	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Front	349000	1745.0	1	214	21.00	19.72			0.600	0.806	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Front	349000	1745.0	108	54	21.00	19.45			0.653	0.933	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	349000	1745.0	1	214	21.00	19.72			1.350	1.813	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	349000	1745.0	108	54	21.00	19.45			1.440	2.058	88
Ant.E	Body	CP-OFDM_QPSK	10	Top	349000	1745.0	1	1	21.00	19.47	0.532	0.757			
Ant.E	Extremity	CP-OFDM_QPSK	0	Top	349000	1745.0	1	1	21.00	19.47			1.230	1.749	

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

10.2.25. NR Band n70 (15MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant B	Body	DFT-s-OFDM_QPSK	10	Rear	340500	1702.5	1	1	20.00	19.76	0.492	0.520			
Ant B	Body	DFT-s-OFDM_QPSK	10	Rear	340500	1702.5	36	21	20.00	19.51	0.511	0.572			
Ant B	Body	DFT-s-OFDM_QPSK	10	Front	340500	1702.5	1	1	20.00	19.76	0.334				
Ant B	Body	DFT-s-OFDM_QPSK	10	Front	340500	1702.5	36	21	20.00	19.51	0.347	0.388			
Ant B	Body	DFT-s-OFDM_QPSK	10	Bottom	340500	1702.5	1	1	20.00	19.76	0.546	0.577			
Ant B	Body	DFT-s-OFDM_QPSK	10	Bottom	340500	1702.5	36	21	20.00	19.51	0.591	0.662			89
Ant B	Body	DFT-s-OFDM_QPSK	10	Right	340500	1702.5	1	1	20.00	19.76	0.133	0.141			
Ant B	Body	DFT-s-OFDM_QPSK	10	Right	340500	1702.5	36	21	20.00	19.51	0.131	0.147			
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Rear	340500	1702.5	1	1	20.00	19.76			0.908	0.960	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Rear	340500	1702.5	36	21	20.00	19.51			0.951	1.065	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Front	340500	1702.5	1	1	20.00	19.76			1.010	1.067	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Front	340500	1702.5	36	21	20.00	19.51			1.040	1.164	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	340500	1702.5	1	1	20.00	19.76			1.500	1.585	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	340500	1702.5	36	21	20.00	19.51			1.570	1.758	90
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Right	340500	1702.5	1	1	20.00	19.76			0.278	0.294	
Ant B	Extremity	DFT-s-OFDM_QPSK	0	Right	340500	1702.5	36	21	20.00	19.51			0.287	0.321	
Ant B	Body	CP-OFDM-QPSK	10	Bottom	340500	1702.5	1	1	20.00	19.84	0.559	0.580			
Ant B	Extremity	CP-OFDM-QPSK	0	Bottom	340500	1702.5	1	1	20.00	19.84			1.630	1.691	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	340500	1702.5	1	1	22.00	21.01	0.554	0.696			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	340500	1702.5	36	21	22.00	20.78	0.555	0.735			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Front	340500	1702.5	1	1	22.00	21.01	0.308	0.387			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Front	340500	1702.5	36	21	22.00	20.78	0.316	0.418			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	340500	1702.5	1	1	22.00	21.01	0.728	0.914			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	340500	1702.5	36	21	22.00	20.78	0.737	0.976			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	340500	1702.5	75	0	22.00	20.61	0.716	0.986			91
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Rear	340500	1702.5	1	1	22.00	21.01			1.320	1.658	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Rear	340500	1702.5	36	21	22.00	20.78			1.330	1.761	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Front	340500	1702.5	1	1	22.00	21.01			0.824	1.035	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Front	340500	1702.5	36	21	22.00	20.78			0.838	1.110	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	340500	1702.5	1	1	22.00	21.01			1.810	2.273	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	340500	1702.5	36	21	22.00	20.78			1.850	2.450	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	340500	1702.5	75	0	22.00	20.61			1.780	2.451	92
Ant.E	Body	CP-OFDM_QPSK	10	Top	340500	1702.5	1	1	22.00	21.10	0.702	0.864			
Ant.E	Extremity	CP-OFDM_QPSK	0	Top	340500	1702.5	1	1	22.00	21.10			1.700	2.091	

10.2.26. NR Band n71 (20MHz Bandwidth)

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Rear	136100	680.5	1	52	25.00	23.96	0.381	0.484			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Rear	136100	680.5	50	28	25.00	24.04	0.393	0.490			93
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Front	136100	680.5	1	52	25.00	23.96	0.269	0.342			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Front	136100	680.5	50	28	25.00	24.04	0.276	0.344			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Bottom	136100	680.5	1	52	25.00	23.96	0.166	0.211			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Bottom	136100	680.5	50	28	25.00	24.04	0.173	0.216			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Right	136100	680.5	1	52	25.00	23.96	0.269	0.342			
Ant A+B	Body	DFT-s-OFDM_QPSK	10	Right	136100	680.5	50	28	25.00	24.04	0.278	0.347			
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Rear	136100	680.5	1	52	25.00	23.96			0.818	1.039	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Rear	136100	680.5	50	28	25.00	24.04			0.871	1.086	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Front	136100	680.5	1	52	25.00	23.96			1.140	1.448	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Front	136100	680.5	50	28	25.00	24.04			1.200	1.497	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	136100	680.5	1	52	25.00	23.96			0.562	0.714	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	136100	680.5	50	28	25.00	24.04			0.578	0.721	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Right	136100	680.5	1	52	25.00	23.96			1.540	1.957	
Ant A+B	Extremity	DFT-s-OFDM_QPSK	0	Right	136100	680.5	50	28	25.00	24.04			1.610	2.008	94
Ant A+B	Body	CP-OFDM-QPSK	10	Rear	136100	680.5	1	1	23.50	22.47	0.260	0.330			
Ant A+B	Extremity	CP-OFDM-QPSK	0	Right	136100	680.5	1	1	23.50	22.47			1.010	1.280	

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.D	Body	DFT-s-OFDM_QPSK	10	Rear	136100	680.5	1	52	25.00	24.07	0.269	0.333			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Rear	136100	680.5	50	28	25.00	24.11	0.284	0.349			95
Ant.D	Body	DFT-s-OFDM_QPSK	10	Front	136100	680.5	1	52	25.00	24.07	0.197	0.244			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Front	136100	680.5	50	28	25.00	24.11	0.220	0.270			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Top	136100	680.5	1	52	25.00	24.07	0.131	0.162			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Top	136100	680.5	50	28	25.00	24.11	0.138	0.169			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Right	136100	680.5	1	52	25.00	24.07	0.122	0.151			
Ant.D	Body	DFT-s-OFDM_QPSK	10	Right	136100	680.5	50	28	25.00	24.11	0.127	0.156			
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Rear	136100	680.5	1	52	25.00	24.07			0.483	0.598	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Rear	136100	680.5	50	28	25.00	24.11			0.494	0.606	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Front	136100	680.5	1	52	25.00	24.07			1.030	1.276	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Front	136100	680.5	50	28	25.00	24.11			1.060	1.301	96
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Top	136100	680.5	1	52	25.00	24.07			0.529	0.655	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Top	136100	680.5	50	28	25.00	24.11			0.557	0.684	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Right	136100	680.5	1	52	25.00	24.07			0.469	0.581	
Ant.D	Extremity	DFT-s-OFDM_QPSK	0	Right	136100	680.5	50	28	25.00	24.11			0.502	0.616	
Ant.D	Body	CP-OFDM_QPSK	10	Rear	136100	680.5	1	1	23.50	22.56	0.172	0.214			
Ant.D	Extremity	CP-OFDM_QPSK	0	Front	136100	680.5	1	1	23.50	22.56			0.644	0.800	

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

10.2.27. NR Band n41 (100MHz Bandwidth)

NR Band n41 SRS0 SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.E	Body	DFT-s-OFDM-QPSK	10	Rear	518598	2592.99	1	136	20.00	19.67	0.443	0.478			
Ant.E	Body	DFT-s-OFDM-QPSK	10	Rear	518598	2592.99	135	69	20.00	19.65	0.478	0.518			
Ant.E	Body	DFT-s-OFDM-QPSK	10	Front	518598	2592.99	1	136	20.00	19.67	0.237	0.256			
Ant.E	Body	DFT-s-OFDM-QPSK	10	Front	518598	2592.99	135	69	20.00	19.65	0.272	0.295			
Ant.E	Body	DFT-s-OFDM-QPSK	10	Top	518598	2592.99	1	136	20.00	19.67	0.514	0.555			
Ant.E	Body	DFT-s-OFDM-QPSK	10	Top	518598	2592.99	135	69	20.00	19.65	0.589	0.638			97
Ant.E	Extremity	DFT-s-OFDM-QPSK	0	Rear	518598	2592.99	1	136	20.00	19.67			0.692	0.747	
Ant.E	Extremity	DFT-s-OFDM-QPSK	0	Rear	518598	2592.99	135	69	20.00	19.65			0.652	0.707	
Ant.E	Extremity	DFT-s-OFDM-QPSK	0	Front	518598	2592.99	1	136	20.00	19.67			0.878	0.947	
Ant.E	Extremity	DFT-s-OFDM-QPSK	0	Front	518598	2592.99	135	69	20.00	19.65			0.797	0.864	
Ant.E	Extremity	DFT-s-OFDM-QPSK	0	Top	518598	2592.99	1	136	20.00	19.67			2.070	2.233	98
Ant.E	Extremity	DFT-s-OFDM-QPSK	0	Top	518598	2592.99	135	69	20.00	19.65			2.030	2.200	
Ant.E	Extremity	DFT-s-OFDM-QPSK	0	Top	518598	2592.99	270	0	20.00	19.71			2.000	2.138	
Ant.E	Body	CP-OFDM_QPSK	10	Top	518598	2593.00	1	1	20.00	19.69	0.495	0.532			
Ant.E	Extremity	CP-OFDM_QPSK	0	Top	518598	2593.00	1	1	20.00	19.69			1.720	1.847	

NR Band n41 Switching SRS1 SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.E	Body	CW	10	Top	518598	2592.99	20.00	19.59	0.556	0.611			
Ant.E	Extremity	CW	0	Top	518598	2592.99	20.00	19.59			1.870	2.055	

NR Band n41 Switching SRS0 SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.B	Body	DFT-s-OFDM_QPSK	10	Rear	518598	2592.99	1	1	17.50	17.17	0.419	0.452			
Ant.B	Body	DFT-s-OFDM_QPSK	10	Rear	518598	2592.99	135	0	17.50	17.08	0.316	0.348			
Ant.B	Body	DFT-s-OFDM_QPSK	10	Front	518598	2592.99	1	1	17.50	17.17	0.274	0.296			
Ant.B	Body	DFT-s-OFDM_QPSK	10	Front	518598	2592.99	135	0	17.50	17.08	0.259	0.285			
Ant.B	Body	DFT-s-OFDM_QPSK	10	Bottom	518598	2592.99	1	1	17.50	17.17	0.734	0.792			99
Ant.B	Body	DFT-s-OFDM_QPSK	10	Bottom	518598	2592.99	135	0	17.50	17.08	0.697	0.768			
Ant.B	Body	DFT-s-OFDM_QPSK	10	Right	518598	2592.99	1	1	17.50	17.17	0.076	0.082			
Ant.B	Body	DFT-s-OFDM_QPSK	10	Right	518598	2592.99	135	0	17.50	17.08	0.060	0.066			
Ant.B	Extremity	DFT-s-OFDM_QPSK	0	Rear	518598	2592.99	1	1	17.50	17.17			1.160	1.252	
Ant.B	Extremity	DFT-s-OFDM_QPSK	0	Rear	518598	2592.99	135	0	17.50	17.08			1.010	1.113	
Ant.B	Extremity	DFT-s-OFDM_QPSK	0	Front	518598	2592.99	1	1	17.50	17.17			0.897	0.968	
Ant.B	Extremity	DFT-s-OFDM_QPSK	0	Front	518598	2592.99	135	0	17.50	17.08			0.845	0.931	
Ant.B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	518598	2592.99	1	1	17.50	17.17			2.280	2.460	
Ant.B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	518598	2592.99	135	0	17.50	17.08			2.630	2.897	100
Ant.B	Extremity	DFT-s-OFDM_QPSK	0	Bottom	518598	2592.99	270	0	17.50	17.27			2.390	2.520	
Ant.B	Extremity	DFT-s-OFDM_QPSK	0	Right	518598	2592.99	1	1	17.50	17.17			0.117	0.126	
Ant.B	Extremity	DFT-s-OFDM_QPSK	0	Right	518598	2592.99	135	0	17.50	17.08			0.112	0.123	
Ant.B	Body	CP-OFDM_QPSK	10	Bottom	518598	2593.00	1	1	17.50	17.32	0.708	0.738			
Ant.B	Extremity	CP-OFDM_QPSK	0	Bottom	518598	2593.00	1	1	17.50	17.32			2.400	2.502	

NR Band n41 SRS1 SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.B	Body	CW	10	Bottom	518598	2592.99	17.50	17.03	0.679	0.757			
Ant.B	Extremity	CW	0	Bottom	518598	2592.99	17.50	17.03			1.910	2.128	

NR Band n41 SRS2 SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.G	Body	CW	10	Rear	518598	2592.99	13.00	12.23	0.060	0.072			101
Ant.G	Body	CW	10	Front	518598	2592.99	13.00	12.23	0.057	0.068			
Ant.G	Body	CW	10	Right	518598	2592.99	13.00	12.23	0.039	0.047			
Ant.G	Extremity	CW	0	Rear	518598	2592.99	13.00	12.23			0.093	0.111	
Ant.G	Extremity	CW	0	Front	518598	2592.99	13.00	12.23			0.152	0.181	
Ant.G	Extremity	CW	0	Right	518598	2592.99	13.00	12.23			0.170	0.203	102

NR Band n41 SRS3 SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.C	Body	CW	10	Rear	518598	2592.99	13.00	11.85	0.074	0.096			
Ant.C	Body	CW	10	Front	518598	2592.99	13.00	11.85	0.053	0.069			
Ant.C	Body	CW	10	Bottom	518598	2592.99	13.00	11.85	0.111	0.145			103
Ant.C	Extremity	CW	0	Rear	518598	2592.99	13.00	11.85			0.588	0.766	104
Ant.C	Extremity	CW	0	Front	518598	2592.99	13.00	11.85			0.556	0.725	
Ant.C	Extremity	CW	0	Bottom	518598	2592.99	13.00	11.85			0.354	0.461	

Note(s):

1. CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in standalone exposure conditions.
2. NR Band n41 tested using FTM mode.
3. SRS1 SAR test performed at worst configuration at SRS0 test result of each RF exposure conditions.

10.2.28. NR Band n48 (40MHz Bandwidth)

NR Band n48 SRS0 SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	638000	3570.00	1	1	17.00	16.74	0.317	0.337			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	638000	3570.00	50	28	17.00	16.63	0.460	0.501			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	641666	3624.99	1	1	17.00	16.68	0.397	0.427			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	641666	3624.99	50	28	17.00	16.55	0.393	0.436			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	645332	3679.98	1	1	17.00	16.44	0.548	0.623			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	645332	3679.98	50	28	17.00	16.17	0.517	0.626			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Front	638000	3570.00	1	1	17.00	16.74	0.181	0.192			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Front	638000	3570.00	50	28	17.00	16.63	0.184	0.200			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	638000	3570.00	1	1	17.00	16.74	0.416	0.442			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	638000	3570.00	50	28	17.00	16.63	0.489	0.532			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	641666	3624.99	1	1	17.00	16.68	0.477	0.513			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	641666	3624.99	50	28	17.00	16.55	0.479	0.531			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	641666	3624.99	100	0	17.00	16.55	0.486	0.539			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	645332	3679.98	1	1	17.00	16.44	0.648	0.737			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	645332	3679.98	50	28	17.00	16.17	0.620	0.751			105
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Rear	638000	3570.00	1	1	17.00	16.74			0.895	0.950	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Rear	638000	3570.00	50	28	17.00	16.63			1.030	1.122	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Front	638000	3570.00	1	1	17.00	16.74			0.913	0.969	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Front	638000	3570.00	50	28	17.00	16.63			0.959	1.044	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	638000	3570.00	1	1	17.00	16.74			2.280	2.421	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	638000	3570.00	50	28	17.00	16.63			2.290	2.494	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	641666	3624.99	1	1	17.00	16.68			2.570	2.767	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	641666	3624.99	50	28	17.00	16.55			2.690	2.984	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	641666	3624.99	100	0	17.00	16.56			2.620	2.899	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	645332	3679.98	1	1	17.00	16.44			2.680	3.049	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	645332	3679.98	50	28	17.00	16.17			2.590	3.135	106
Ant.E	Body	CP-OFDM_QPSK	10	Top	645332	3679.98	50	28	17.00	16.39	0.595	0.685			
Ant.E	Extremity	CP-OFDM_QPSK	0	Top	645332	3679.98	1	1	17.00	16.39			2.260	2.601	

NR Band n48 SRS1 SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.C	Body	CW	10	Rear	638000	3570.00	15.00	14.75	0.110	0.117			
Ant.C	Body	CW	10	Front	638000	3570.00	15.00	14.75	0.091	0.096			
Ant.C	Body	CW	10	Bottom	638000	3570.00	15.00	14.75	0.176	0.186			107
Ant.C	Extremity	CW	0	Rear	638000	3570.00	15.00	14.75			0.694	0.735	
Ant.C	Extremity	CW	0	Front	638000	3570.00	15.00	14.75			0.528	0.559	
Ant.C	Extremity	CW	0	Bottom	638000	3570.00	15.00	14.75			0.888	0.941	108

NR Band n48 SRS2 SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.F	Body	CW	10	Rear	641666	3624.99	15.00	14.41	0.139	0.159			
Ant.F	Body	CW	10	Front	641666	3624.99	15.00	14.41	0.039	0.044			
Ant.F	Body	CW	10	Top	641666	3624.99	15.00	14.41	0.166	0.190			109
Ant.F	Body	CW	10	Right	641666	3624.99	15.00	14.41	0.018	0.021			
Ant.F	Extremity	CW	0	Rear	641666	3624.99	15.00	14.41			0.695	0.795	
Ant.F	Extremity	CW	0	Front	641666	3624.99	15.00	14.41			0.416	0.605	
Ant.F	Extremity	CW	0	Top	641666	3624.99	15.00	14.41			0.699	0.801	110
Ant.F	Extremity	CW	0	Right	641666	3624.99	15.00	14.41			0.041	0.047	

NR Band n48 SRS3 SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.A	Body	CW	10	Rear	638000	3570.00	15.00	14.22	0.098	0.117			
Ant.A	Body	CW	10	Front	638000	3570.00	15.00	14.22	0.082	0.098			
Ant.A	Body	CW	10	Bottom	638000	3570.00	15.00	14.22	0.131	0.157			
Ant.A	Body	CW	10	Right	638000	3570.00	15.00	14.22	0.239	0.286			111
Ant.A	Extremity	CW	0	Rear	638000	3570.00	15.00	14.22			0.134	0.160	
Ant.A	Extremity	CW	0	Front	638000	3570.00	15.00	14.22			0.222	0.266	
Ant.A	Extremity	CW	0	Bottom	638000	3570.00	15.00	14.22			0.844	1.010	112
Ant.A	Extremity	CW	0	Right	638000	3570.00	15.00	14.22			0.506	0.606	

Note(s):

1. CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in standalone exposure conditions.
2. NR Band n48 tested using FTM mode.

10.2.29. NR Band n77 (100MHz Bandwidth)

NR Band n77 SRS0 SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	RB Allocation	RB Offset	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	650000	3750.00	1	1	18.00	17.39	0.489	0.563			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	650000	3750.00	135	0	18.00	17.14	0.373	0.455			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	662000	3930.00	1	1	18.00	17.41	0.475	0.544			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Rear	662000	3930.00	135	0	18.00	17.19	0.423	0.510			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Front	662000	3930.00	1	1	18.00	17.41	0.284	0.325			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Front	662000	3930.00	135	0	18.00	17.19	0.273	0.329			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	633334	3500.10	1	1	18.00	17.67	0.377	0.407			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	650000	3750.00	1	1	18.00	17.39	0.561	0.646			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	650000	3750.00	135	0	18.00	17.14	0.486	0.592			
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	662000	3930.00	1	1	18.00	17.41	0.625	0.716			113
Ant.E	Body	DFT-s-OFDM_QPSK	10	Top	662000	3930.00	135	0	18.00	17.19	0.471	0.568			
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Rear	650000	3750.00	1	1	18.00	17.39			1.100	1.266	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Rear	650000	3750.00	135	0	18.00	17.14			1.070	1.304	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Rear	662000	3930.00	1	1	18.00	17.41			1.160	1.329	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Rear	662000	3930.00	135	0	18.00	17.19			1.090	1.313	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Front	650000	3750.00	1	1	18.00	17.39			1.010	1.162	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Front	650000	3750.00	135	0	18.00	17.14			0.997	1.215	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Front	662000	3930.00	1	1	18.00	17.41			1.170	1.340	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Front	662000	3930.00	135	0	18.00	17.19			1.090	1.313	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	633334	3500.10	1	1	18.00	17.67			2.120	2.287	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	650000	3750.00	1	1	18.00	17.39			2.510	2.889	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	650000	3750.00	135	0	18.00	17.14			2.450	2.987	114
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	662000	3930.00	1	1	18.00	17.41			2.380	2.726	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	662000	3930.00	135	0	18.00	17.19			1.950	2.350	
Ant.E	Extremity	DFT-s-OFDM_QPSK	0	Top	662000	3930.00	270	0	18.00	17.19			1.740	2.097	
Ant.E	Body	CP-OFDM_QPSK	10	Top	662000	3930.00	1	1	18.50	17.81	0.500	0.586			
Ant.E	Extremity	CP-OFDM_QPSK	0	Top	650000	3750.00	135	0	18.50	17.81			2.300	2.696	

NR Band n77 SRS1 SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.C	Body	CW	10	Rear	662000	3930.00	15.00	13.68	0.088	0.119			
Ant.C	Body	CW	10	Front	662000	3930.00	15.00	13.68	0.097	0.131			
Ant.C	Body	CW	10	Bottom	633334	3500.01	15.00	14.63	0.318	0.346			
Ant.C	Body	CW	10	Bottom	650000	3750.00	15.00	13.01	0.221	0.349			
Ant.C	Body	CW	10	Bottom	662000	3930.00	15.00	13.68	0.341	0.462			115
Ant.C	Extremity	CW	0	Rear	662000	3930.00	15.00	13.68			0.575	0.779	
Ant.C	Extremity	CW	0	Front	662000	3930.00	15.00	13.68			0.454	0.615	
Ant.C	Extremity	CW	0	Bottom	633334	3500.01	15.00	14.63			1.650	1.797	
Ant.C	Extremity	CW	0	Bottom	650000	3750.00	15.00	13.01			1.260	1.992	116
Ant.C	Extremity	CW	0	Bottom	662000	3930.00	15.00	13.68			0.949	1.286	

NR Band n77 SRS2 SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.F	Body	CW	10	Rear	662000	3930.00	15.00	14.55	0.225	0.250			
Ant.F	Body	CW	10	Front	662000	3930.00	15.00	14.55	0.115	0.128			
Ant.F	Body	CW	10	Top	633334	3500.01	15.00	14.77	0.176	0.186			
Ant.F	Body	CW	10	Top	662000	3930.00	15.00	14.55	0.261	0.289			117
Ant.F	Body	CW	10	Right	662000	3930.00	15.00	14.55	0.037	0.041			
Ant.F	Extremity	CW	0	Rear	662000	3930.00	15.00	14.55			0.542	0.601	
Ant.F	Extremity	CW	0	Front	662000	3930.00	15.00	14.55			0.435	0.482	
Ant.F	Extremity	CW	0	Top	633334	3500.01	15.00	14.77			0.781	0.823	
Ant.F	Extremity	CW	0	Top	662000	3930.00	15.00	14.55			0.796	0.883	118
Ant.F	Extremity	CW	0	Right	662000	3930.00	15.00	14.55			0.052	0.058	

NR Band n77 SRS3 SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.A	Body	CW	10	Rear	650000	3750.00	15.00	14.42	0.064	0.073			
Ant.A	Body	CW	10	Front	650000	3750.00	15.00	14.42	0.049	0.056			
Ant.A	Body	CW	10	Bottom	650000	3750.00	15.00	14.42	0.076	0.087			
Ant.A	Body	CW	10	Right	633334	3500.01	15.00	14.49	0.128	0.144			
Ant.A	Body	CW	10	Right	650000	3750.00	15.00	14.42	0.194	0.222			119
Ant.A	Extremity	CW	0	Rear	650000	3750.00	15.00	14.42			0.107	0.122	
Ant.A	Extremity	CW	0	Front	650000	3750.00	15.00	14.42			0.233	0.266	
Ant.A	Extremity	CW	0	Bottom	633334	3500.01	15.00	14.49			0.409	0.460	
Ant.A	Extremity	CW	0	Bottom	650000	3750.00	15.00	14.42			0.859	0.982	120
Ant.A	Extremity	CW	0	Right	650000	3750.00	15.00	14.42			0.473	0.541	

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.

10.2.30. Wi-Fi (DTS Band)

DTS SISO Ant.G SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.G	Body	802.11b 1Mbps	10	Rear	6	2437.0	0.465	98.8	18.00	17.17	0.308	0.377			
Ant.G	Body	802.11b 1Mbps	10	Front	6	2437.0	0.544	98.8	18.00	17.17	0.395	0.484			
Ant.G	Body	802.11b 1Mbps	10	Right	6	2437.0	0.794	98.8	18.00	17.17	0.447	0.548			121
Ant.G	Extremity	802.11b 1Mbps	0	Rear	6	2437.0	2.191	98.8	18.00	17.17			0.528	0.647	
Ant.G	Extremity	802.11b 1Mbps	0	Front	6	2437.0	5.458	98.8	18.00	17.17			1.280	1.568	122
Ant.G	Extremity	802.11b 1Mbps	0	Right	6	2437.0	8.167	98.8	18.00	17.17			1.180	1.446	

DTS SISO Ant.F SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.F	Body	802.11b 1Mbps	10	Rear	1	2412.0	0.796	98.8	18.00	17.41	0.463	0.537			123
Ant.F	Body	802.11b 1Mbps	10	Front	1	2412.0	0.170	98.8	18.00	17.41	0.108	0.125			
Ant.F	Body	802.11b 1Mbps	10	Top	1	2412.0	0.526	98.8	18.00	17.41	0.372	0.431			
Ant.F	Body	802.11b 1Mbps	10	Right	1	2412.0	0.071	98.8	18.00	17.41	0.048	0.055			
Ant.F	Extremity	802.11b 1Mbps	0	Rear	1	2412.0	3.641	98.8	18.00	17.41			0.881	1.021	
Ant.F	Extremity	802.11b 1Mbps	0	Front	1	2412.0	2.674	98.8	18.00	17.41			0.462	0.536	
Ant.F	Extremity	802.11b 1Mbps	0	Top	1	2412.0	9.169	98.8	18.00	17.41			2.100	2.435	124
Ant.F	Extremity	802.11b 1Mbps	0	Top	6	2437.0	7.363	98.8	18.00	17.24			1.750	2.110	
Ant.F	Extremity	802.11b 1Mbps	0	Right	1	2412.0	0.338	98.8	18.00	17.41			0.095	0.110	

DTS MIMO Ant.G+F SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.G+F	MIMO Ant.1	Body	802.11b 1Mbps	10	Rear	1	2412.0	0.618	98.8	18.00	16.95				
Ant.G+F		Body	802.11b 1Mbps	10	Front	1	2412.0	0.268	98.8	18.00	16.95				
Ant.G+F		Body	802.11b 1Mbps	10	Top	1	2412.0	0.705	98.8	18.00	16.95				
Ant.G+F		Body	802.11b 1Mbps	10	Right	1	2412.0	0.466	98.8	18.00	16.95	0.262	0.338		
Ant.G+F		Extremity	802.11b 1Mbps	0	Rear	1	2412.0	3.043	98.8	18.00	16.95				
Ant.G+F		Extremity	802.11b 1Mbps	0	Front	1	2412.0	4.524	98.8	18.00	16.95			1.000	1.289
Ant.G+F		Extremity	802.11b 1Mbps	0	Top	1	2412.0	8.499	98.8	18.00	16.95				
Ant.G+F		Extremity	802.11b 1Mbps	0	Top	6	2437.0	9.245	98.8	18.00	17.18				
Ant.G+F		Extremity	802.11b 1Mbps	0	Right	1	2412.0	9.048	98.8	18.00	16.95			0.896	1.155
Ant.G+F		Extremity	802.11b 1Mbps	0	Right	1	2412.0	9.048	98.8	18.00	16.95				
Ant.G+F	MIMO Ant.2	Body	802.11b 1Mbps	10	Rear	1	2412.0	0.618	98.8	18.00	17.47	0.434	0.496		
Ant.G+F		Body	802.11b 1Mbps	10	Front	1	2412.0	0.268	98.8	18.00	17.47	0.169	0.193		
Ant.G+F		Body	802.11b 1Mbps	10	Top	1	2412.0	0.705	98.8	18.00	17.47	0.442	0.505		
Ant.G+F		Body	802.11b 1Mbps	10	Right	1	2412.0	0.466	98.8	18.00	17.47				
Ant.G+F		Extremity	802.11b 1Mbps	0	Rear	1	2412.0	3.043	98.8	18.00	17.47			1.120	1.281
Ant.G+F		Extremity	802.11b 1Mbps	0	Front	1	2412.0	4.524	98.8	18.00	17.47				
Ant.G+F		Extremity	802.11b 1Mbps	0	Top	1	2412.0	8.499	98.8	18.00	17.47			2.250	2.573
Ant.G+F		Extremity	802.11b 1Mbps	0	Top	6	2437.0	9.245	98.8	18.00	17.24			1.730	2.086
Ant.G+F	Extremity	802.11b 1Mbps	0	Right	1	2412.0	9.048	98.8	18.00	17.47					

Note(s):

- 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.
- 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.
- 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).
- Additional testing required in order satisfying FCC simultaneous transmission limit criteria.

10.2.31. Wi-Fi (U-NII Bands)

U-NII 2A SISO Ant.G SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.G	Body	802.11n (HT40)	10	Rear	54	5270.0	0.441	98.2	18.00	17.13	0.218	0.271			127
Ant.G	Body	802.11n (HT40)	10	Front	54	5270.0	0.357	98.2	18.00	17.13	0.133	0.166			
Ant.G	Body	802.11n (HT40)	10	Right	54	5270.0	0.280	98.2	18.00	17.13	0.201	0.250			
Ant.G	Extremity	802.11n (HT40)	0	Rear	54	5270.0	2.428	98.2	18.00	17.13			0.317	0.394	
Ant.G	Extremity	802.11n (HT40)	0	Front	54	5270.0	7.602	98.2	18.00	17.13			0.754	0.938	
Ant.G	Extremity	802.11n (HT40)	0	Right	54	5270.0	6.287	98.2	18.00	17.13			0.766	0.953	128

U-NII 2A SISO Ant.D SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.D	Body	802.11n (HT40)	10	Rear	54	5270.0	0.229	98.2	18.00	17.7	0.113	0.123			
Ant.D	Body	802.11n (HT40)	10	Front	54	5270.0	0.207	98.2	18.00	17.7	0.083	0.090			
Ant.D	Body	802.11n (HT40)	10	Top	54	5270.0	0.115	98.2	18.00	17.7					
Ant.D	Body	802.11n (HT40)	10	Right	54	5270.0	0.277	98.2	18.00	17.7	0.158	0.172			129
Ant.D	Extremity	802.11n (HT40)	0	Rear	54	5270.0	1.109	98.2	18.00	17.7			0.162	0.177	
Ant.D	Extremity	802.11n (HT40)	0	Front	54	5270.0	4.995	98.2	18.00	17.7			0.706	0.771	130
Ant.D	Extremity	802.11n (HT40)	0	Top	54	5270.0	0.256	98.2	18.00	17.7					
Ant.D	Extremity	802.11n (HT40)	0	Right	54	5270.0	2.623	98.2	18.00	17.7			0.335	0.366	

U-NII 2A MIMO Ant.G+D SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.	
Ant.G+D	MIMO Amt.1	Body	802.11n (HT40)	10	Rear	54	5270.0	0.562	98.2	18.00	17.23	0.293	0.356			
Ant.G+D		Body	802.11n (HT40)	10	Front	54	5270.0	0.550	98.2	18.00	17.23	0.216	0.263			
Ant.G+D		Body	802.11n (HT40)	10	Top	54	5270.0	0.224	98.2	18.00	17.23					
Ant.G+D		Body	802.11n (HT40)	10	Right	54	5270.0	0.497	98.2	18.00	17.23	0.296	0.360			131
Ant.G+D		Extremity	802.11n (HT40)	0	Rear	54	5270.0	2.013	98.2	18.00	17.23			0.368	0.448	
Ant.G+D		Extremity	802.11n (HT40)	0	Front	54	5270.0	7.092	98.2	18.00	17.23			0.743	0.904	132
Ant.G+D		Extremity	802.11n (HT40)	0	Top	54	5270.0	3.526	98.2	18.00	17.23					
Ant.G+D		Extremity	802.11n (HT40)	0	Right	54	5270.0	5.014	98.2	18.00	17.23			0.733	0.891	
Ant.G+D		MIMO Amt.2	Body	802.11n (HT40)	10	Rear	54	5270.0	0.562	98.2	18.00	17.52	0.216	0.246		
Ant.G+D	Body		802.11n (HT40)	10	Front	54	5270.0	0.550	98.2	18.00	17.52	0.302	0.344			
Ant.G+D	Body		802.11n (HT40)	10	Top	54	5270.0	0.224	98.2	18.00	17.52	0.114	0.130			
Ant.G+D	Body		802.11n (HT40)	10	Right	54	5270.0	0.497	98.2	18.00	17.52					
Ant.G+D	Extremity		802.11n (HT40)	0	Rear	54	5270.0	2.013	98.2	18.00	17.52			0.332	0.378	
Ant.G+D	Extremity		802.11n (HT40)	0	Front	54	5270.0	7.092	98.2	18.00	17.52					
Ant.G+D	Extremity		802.11n (HT40)	0	Top	54	5270.0	3.526	98.2	18.00	17.52			0.482	0.548	
Ant.G+D	Extremity		802.11n (HT40)	0	Right	54	5270.0	5.014	98.2	18.00	17.52					

Note(s):

- 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.
- 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.
- 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).
- Additional testing required in order satisfying FCC simultaneous transmission limit criteria.

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

U-NII 2C SISO Ant.G SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.G	Body	802.11ac MCSO	10	Rear	122	5610.0	0.233	94.4	18.00	16.9	0.099	0.135			
Ant.G	Body	802.11ac MCSO	10	Front	122	5610.0	0.289	94.4	18.00	16.9	0.153	0.209			
Ant.G	Body	802.11ac MCSO	10	Right	122	5610.0	0.418	94.4	18.00	16.9	0.204	0.278			133
Ant.G	Extremity	802.11ac MCSO	0	Rear	122	5610.0	1.842	94.4	18.00	16.9			0.302	0.412	
Ant.G	Extremity	802.11ac MCSO	0	Front	122	5610.0	11.376	94.4	18.00	16.9			1.110	1.514	134
Ant.G	Extremity	802.11ac MCSO	0	Right	122	5610.0	4.162	94.4	18.00	16.9			0.804	1.097	

U-NII 2C SISO Ant.D SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.D	Body	802.11ac MCSO	10	Rear	122	5610.0	0.372	94.4	18.00	17.24	0.176	0.222			135
Ant.D	Body	802.11ac MCSO	10	Front	122	5610.0	0.370	94.4	18.00	17.24	0.172	0.217			
Ant.D	Body	802.11ac MCSO	10	Top	122	5610.0	0.294	94.4	18.00	17.24					
Ant.D	Body	802.11ac MCSO	10	Right	122	5610.0	0.218	94.4	18.00	17.24	0.110	0.139			
Ant.D	Extremity	802.11ac MCSO	0	Rear	122	5610.0	1.580	94.4	18.00	17.24			0.257	0.324	
Ant.D	Extremity	802.11ac MCSO	0	Front	122	5610.0	3.322	94.4	18.00	17.24			0.449	0.566	
Ant.D	Extremity	802.11ac MCSO	0	Top	122	5610.0	4.713	94.4	18.00	17.24			0.577	0.728	136
Ant.D	Extremity	802.11ac MCSO	0	Right	122	5610.0	2.291	94.4	18.00	17.24			0.152	0.192	

U-NII 2C MIMO Ant.G+D SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.	
Ant.G+D	MIMO	Body	802.11ac MCSO	10	Rear	122	5610.0	0.483	18.00	17.02	0.141	0.187				
Ant.G+D		Body	802.11ac MCSO	10	Front	122	5610.0	0.657	18.00	17.02	0.315	0.418				
Ant.G+D		Body	802.11ac MCSO	10	Top	122	5610.0	0.465	18.00	17.02						
Ant.G+D		Body	802.11ac MCSO	10	Right	122	5610.0	0.692	94.4	18.00	17.02	0.379	0.503			137
Ant.G+D		Extremity	802.11ac MCSO	0	Rear	122	5610.0	2.233	94.4	18.00	17.02			0.292	0.387	
Ant.G+D		Extremity	802.11ac MCSO	0	Front	122	5610.0	10.893	94.4	18.00	17.02			0.897	1.190	138
Ant.G+D		Extremity	802.11ac MCSO	0	Top	122	5610.0	8.648	94.4	18.00	17.02					
Ant.G+D		Extremity	802.11ac MCSO	0	Right	122	5610.0	9.610	94.4	18.00	17.02			0.828	1.099	
Ant.G+D	MIMO	Body	802.11ac MCSO	10	Rear	122	5610.0	0.483	18.00	17.21	0.229	0.291				
Ant.G+D		Body	802.11ac MCSO	10	Front	122	5610.0	0.657	94.4	18.00	17.21	0.286	0.363			
Ant.G+D		Body	802.11ac MCSO	10	Top	122	5610.0	0.465	94.4	18.00	17.21					
Ant.G+D		Body	802.11ac MCSO	10	Right	122	5610.0	0.692	94.4	18.00	17.21					
Ant.G+D		Extremity	802.11ac MCSO	0	Rear	122	5610.0	2.233	94.4	18.00	17.21			0.276	0.351	
Ant.G+D		Extremity	802.11ac MCSO	0	Front	122	5610.0	10.893	94.4	18.00	17.21					
Ant.G+D		Extremity	802.11ac MCSO	0	Top	122	5610.0	8.648	94.4	18.00	17.21					
Ant.G+D		Extremity	802.11ac MCSO	0	Right	122	5610.0	9.610	94.4	18.00	17.21					

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 SISO Ant.G SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.G	Body	802.11ac MCS0	10	Rear	155	5775.0	0.427	94.4	18.00	16.68	0.174	0.250			
Ant.G	Body	802.11ac MCS0	10	Front	155	5775.0	0.412	94.4	18.00	16.68					
Ant.G	Body	802.11ac MCS0	10	Right	155	5775.0	0.377	94.4	18.00	16.68	0.245	0.352			139
Ant.G	Extremity	802.11ac MCS0	0	Rear	155	5775.0	2.917	94.4	18.00	16.68			0.322	0.462	
Ant.G	Extremity	802.11ac MCS0	0	Front	155	5775.0	7.369	94.4	18.00	16.68			1.180	1.693	140
Ant.G	Extremity	802.11ac MCS0	0	Right	155	5775.0	8.118	94.4	18.00	16.68			0.791	1.135	

U-NII 3 SISO Ant.D SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.D	Body	802.11ac MCS0	10	Rear	155	5775.0	0.282	94.4	18.00	17.05	0.129	0.170			
Ant.D	Body	802.11ac MCS0	10	Front	155	5775.0	0.260	94.4	18.00	17.05	0.138	0.182			
Ant.D	Body	802.11ac MCS0	10	Top	155	5775.0	0.295	94.4	18.00	17.05	0.151	0.199			141
Ant.D	Body	802.11ac MCS0	10	Right	155	5775.0	0.207	94.4	18.00	17.05	0.105	0.138			
Ant.D	Extremity	802.11ac MCS0	0	Rear	155	5775.0	1.809	94.4	18.00	17.05			0.239	0.315	
Ant.D	Extremity	802.11ac MCS0	0	Front	155	5775.0	4.574	94.4	18.00	17.05			0.677	0.892	142
Ant.D	Extremity	802.11ac MCS0	0	Top	155	5775.0	3.339	94.4	18.00	17.05					
Ant.D	Extremity	802.11ac MCS0	0	Right	155	5775.0	2.900	94.4	18.00	17.05			0.204	0.269	

U-NII 3 MIMO Ant.G+D SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.G+D	MIMO Ant.1	Body	802.11ac MCS0	10	Rear	155	5775.0	0.513	94.4	16.78	0.187	0.261			
Ant.G+D		Body	802.11ac MCS0	10	Front	155	5775.0	0.272	94.4	16.78	0.135	0.188			
Ant.G+D		Body	802.11ac MCS0	10	Top	155	5775.0	0.466	94.4	16.78					
Ant.G+D		Body	802.11ac MCS0	10	Right	155	5775.0	0.597	94.4	16.78	0.329	0.459			143
Ant.G+D		Extremity	802.11ac MCS0	0	Rear	155	5775.0	2.598	94.4	16.78			0.286	0.399	
Ant.G+D		Extremity	802.11ac MCS0	0	Front	155	5775.0	7.879	94.4	16.78			0.690	0.963	
Ant.G+D		Extremity	802.11ac MCS0	0	Top	155	5775.0	4.162	94.4	16.78					
Ant.G+D		Extremity	802.11ac MCS0	0	Right	155	5775.0	9.509	94.4	16.78			0.878	1.226	144
Ant.G+D	MIMO Ant.2	Body	802.11ac MCS0	10	Rear	155	5775.0	0.513	94.4	17.04	0.244	0.322			
Ant.G+D		Body	802.11ac MCS0	10	Front	155	5775.0	0.272	94.4	17.04	0.129	0.170			
Ant.G+D		Body	802.11ac MCS0	10	Top	155	5775.0	0.466	94.4	17.04					
Ant.G+D		Body	802.11ac MCS0	10	Right	155	5775.0	0.597	94.4	17.04					
Ant.G+D		Extremity	802.11ac MCS0	0	Rear	155	5775.0	2.598	94.4	17.04			0.334	0.441	
Ant.G+D		Extremity	802.11ac MCS0	0	Front	155	5775.0	7.879	94.4	17.04			0.881	1.164	
Ant.G+D		Extremity	802.11ac MCS0	0	Top	155	5775.0	4.162	94.4	17.04					
Ant.G+D		Extremity	802.11ac MCS0	0	Right	155	5775.0	9.509	94.4	17.04					

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 4 SISO Ant.G SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.G	Body	802.11ac MCS0	10	Rear	171	5855.0	0.408	94.4	18.00	16.6	0.192	0.281			145
Ant.G	Body	802.11ac MCS0	10	Front	171	5855.0	0.413	94.4	18.00	16.6	0.188	0.275			
Ant.G	Body	802.11ac MCS0	10	Right	171	5855.0	0.408	94.4	18.00	16.6	0.170	0.249			
Ant.G	Extremity	802.11ac MCS0	0	Rear	171	5855.0	2.431	94.4	18.00	16.6			0.362	0.529	
Ant.G	Extremity	802.11ac MCS0	0	Front	171	5855.0	4.666	94.4	18.00	16.6			0.451	0.659	
Ant.G	Extremity	802.11ac MCS0	0	Right	171	5855.0	4.658	94.4	18.00	16.6			0.463	0.677	146

U-NII 4 SISO Ant.D SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.D	Body	802.11ac MCS0	10	Rear	171	5855.0	0.279	94.4	18.00	16.82	0.144	0.200			
Ant.D	Body	802.11ac MCS0	10	Front	171	5855.0	0.420	94.4	18.00	16.82	0.198	0.275			
Ant.D	Body	802.11ac MCS0	10	Top	171	5855.0	0.509	94.4	18.00	16.82	0.213	0.296			147
Ant.D	Body	802.11ac MCS0	10	Right	171	5855.0	0.146	94.4	18.00	16.82	0.075	0.104			
Ant.D	Extremity	802.11ac MCS0	0	Rear	171	5855.0	1.688	94.4	18.00	16.82			0.258	0.359	
Ant.D	Extremity	802.11ac MCS0	0	Front	171	5855.0	7.584	94.4	18.00	16.82			0.942	1.309	148
Ant.D	Extremity	802.11ac MCS0	0	Top	171	5855.0	5.081	94.4	18.00	16.82					
Ant.D	Extremity	802.11ac MCS0	0	Right	171	5855.0	1.455	94.4	18.00	16.82			0.102	0.142	

U-NII 4 MIMO Ant.G+D SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Area Scan Max. SAR (W/kg)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.	
Ant.G+F	MIMO	Body	802.11ac MCS0	10	Rear	171	5855.0	0.502	94.4	16.78	0.221	0.310				
Ant.G+F		Body	802.11ac MCS0	10	Front	171	5855.0	0.550	94.4	16.78	0.248	0.348				
Ant.G+F		Body	802.11ac MCS0	10	Top	171	5855.0	0.651	94.4	16.78						
Ant.G+F		Body	802.11ac MCS0	10	Right	171	5855.0	0.595	94.4	16.78	0.354	0.496				
Ant.G+F		Ant.1	Extremity	802.11ac MCS0	0	Rear	171	5855.0	2.779	94.4	16.78			0.364	0.510	
Ant.G+F		Extremity	802.11ac MCS0	0	Front	171	5855.0	8.206	94.4	16.78				0.719	1.008	
Ant.G+F		Extremity	802.11ac MCS0	0	Top	171	5855.0	8.955	94.4	16.78						
Ant.G+F		Extremity	802.11ac MCS0	0	Right	171	5855.0	8.489	94.4	16.78				0.797	1.118	
Ant.G+F		Body	802.11ac MCS0	10	Rear	171	5855.0	0.502	94.4	16.72	0.261	0.371				
Ant.G+F	MIMO	Body	802.11ac MCS0	10	Front	171	5855.0	0.550	94.4	16.72	0.244	0.347				
Ant.G+F		Body	802.11ac MCS0	10	Top	171	5855.0	0.651	94.4	16.72	0.365	0.519			149	
Ant.G+F		Body	802.11ac MCS0	10	Right	171	5855.0	0.595	94.4	16.72						
Ant.G+F		Ant.2	Extremity	802.11ac MCS0	0	Rear	171	5855.0	2.779	94.4	16.72			0.347	0.493	
Ant.G+F		Extremity	802.11ac MCS0	0	Front	171	5855.0	8.206	94.4	16.72				0.966	1.374	150
Ant.G+F		Extremity	802.11ac MCS0	0	Top	171	5855.0	8.955	94.4	16.72				0.752	1.069	
Ant.G+F		Extremity	802.11ac MCS0	0	Right	171	5855.0	8.489	94.4	16.72						

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.

10.2.32. Bluetooth

Bluetooth SISO Ant.G SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.G	Body	LE1M 255pkt	10	Rear	0	2402.0	85.4	19.50	19.01	0.276	0.315			
Ant.G	Body	LE1M 255pkt	10	Front	0	2402.0	85.4	19.50	19.01	0.272	0.310			
Ant.G	Body	LE1M 255pkt	10	Right	0	2402.0	85.4	19.50	19.01	0.325	0.371			151
Ant.G	Extremity	LE1M 255pkt	0	Rear	0	2402.0	85.4	19.50	19.01			0.481	0.549	
Ant.G	Extremity	LE1M 255pkt	0	Front	0	2402.0	85.4	19.50	19.01			0.925	1.055	152
Ant.G	Extremity	LE1M 255pkt	0	Right	0	2402.0	85.4	19.50	19.01			0.861	0.982	

Bluetooth SISO Ant.F SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.
Ant.F	Body	LE1M 255pkt	10	Rear	19	2440	85.4	19.50	19.07	0.331	0.372			153
Ant.F	Body	LE1M 255pkt	10	Front	19	2440	85.4	19.50	19.07	0.116	0.130			
Ant.F	Body	LE1M 255pkt	10	Top	19	2440	85.4	19.50	19.07	0.325	0.365			
Ant.F	Body	LE1M 255pkt	10	Right	19	2440	85.4	19.50	19.07	0.052	0.058			
Ant.F	Extremity	LE1M 255pkt	0	Rear	19	2440	85.4	19.50	19.07			0.731	0.822	
Ant.F	Extremity	LE1M 255pkt	0	Front	19	2440	85.4	19.50	19.07			0.640	0.720	
Ant.F	Extremity	LE1M 255pkt	0	Top	19	2440	85.4	19.50	19.07			1.660	1.867	154
Ant.F	Extremity	LE1M 255pkt	0	Right	19	2440	85.4	19.50	19.07			0.104	0.117	

Bluetooth MIMO Ant.G+F SAR results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Duty Cycle (%)	Tune-up Limit (dBm)	Meas. (dBm)	Meas. 1g (W/kg)	Reported. 1g (W/kg)	Meas. 10g (W/kg)	Reported. 10g (W/kg)	Plot No.	
Ant.G+F	MIMO	Body	LE1M 255pkt	10	Rear	39	2441.0	77.1	15.50	14.90	0.135	0.159		155	
Ant.G+F		Body	LE1M 255pkt	10	Front	39	2441.0	77.1	15.50	14.90	0.081	0.095			
Ant.G+F		Body	LE1M 255pkt	10	Top	39	2441.0	77.1	15.50	14.90					
Ant.G+F		Body	LE1M 255pkt	10	Right	39	2441.0	77.1	15.50	14.90	0.096	0.113			
Ant.G+F		Ant.1	Extremity	LE1M 255pkt	0	Rear	39	2441.0	77.1	15.50	14.90				
Ant.G+F		Extremity	LE1M 255pkt	0	Front	39	2441.0	77.1	15.50	14.90					
Ant.G+F		Extremity	LE1M 255pkt	0	Top	39	2441.0	77.1	15.50	14.90					
Ant.G+F		Extremity	LE1M 255pkt	0	Right	39	2441.0	77.1	15.50	14.90			0.301	0.354	
Ant.G+F	MIMO	Body	LE1M 255pkt	10	Rear	39	2441.0	77.1	15.50	15.17					
Ant.G+F		Body	LE1M 255pkt	10	Front	39	2441.0	77.1	15.50	15.17					
Ant.G+F		Body	LE1M 255pkt	10	Top	39	2441.0	77.1	15.50	15.17	0.074	0.081			
Ant.G+F		Body	LE1M 255pkt	10	Right	39	2441.0	77.1	15.50	15.17					
Ant.G+F		Ant.2	Extremity	LE1M 255pkt	0	Rear	39	2441.0	77.1	15.50	15.17		0.223	0.247	
Ant.G+F		Extremity	LE1M 255pkt	0	Front	39	2441.0	77.1	15.50	15.17			0.562	0.622	156
Ant.G+F		Extremity	LE1M 255pkt	0	Top	39	2441.0	77.1	15.50	15.17			0.337	0.373	
Ant.G+F		Extremity	LE1M 255pkt	0	Right	39	2441.0	77.1	15.50	15.17					

10.2.33. 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	13.56	0.012		157
				Top	A	212	13.56	0.000		
				Left	A	212	13.56	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.B	Folder Closed	Hotspot	Bottom	Yes	0.885	0.883	1.00
	NR Band n66	Ant.B	Folder Closed	Hotspot	Bottom	Yes	0.883	0.869	1.02
1900	WCDMA Band 2	Ant. B	Folder Closed	Hotspot	Bottom	Yes	1.070	1.070	1.00
	LTE Band 25	Ant.B	Folder Closed	Hotspot	Bottom	Yes	0.912	0.899	1.01
	NR Band n25	Ant.B	Folder Closed	Hotspot	Bottom	Yes	0.894	0.883	1.01
	WCDMA Band 2	Ant.B	Folder Open	Body	Bottom	Yes	0.888	0.849	1.05
	LTE Band 25	Ant.B	Folder Open	Body	Bottom	Yes	0.818	0.794	1.03
	NR Band n25	Ant.B	Folder Open	Body	Bottom	Yes	0.944	0.806	1.17
2300	LTE Band 30	Ant.B	Folder Closed	Hotspot	Bottom	Yes	0.968	0.964	1.00
	LTE Band 30	Ant.E	Folder Closed	Head	Left Tilt	Yes	0.844	0.834	1.01
	LTE Band 30	Ant.E	Folder Closed	Head	Left Tilt	Yes	0.825	0.819	1.01
2600	LTE Band 41	Ant.B	Folder Closed	Hotspot	Bottom	Yes	1.020	1.000	1.02
	NR Band n41	Ant.B	Folder Closed	Hotspot	Bottom	Yes	0.895	0.881	1.02
	LTE Band 7	Ant.B	Folder Open	Body	Bottom	Yes	0.913	0.912	1.00
	LTE Band 41	Ant.B	Folder Open	Body	Bottom	Yes	0.859	0.855	1.00
	NR Band n7	Ant.B	Folder Open	Body	Bottom	Yes	0.834	0.725	1.15
3600	NR Band n48	Ant.E	Folder Closed	Head	Right Tilt	Yes	1.040	1.000	1.04
	LTE Band 48	Ant.E	Folder Open	Body	Top	Yes	0.864	0.724	1.19

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 .

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	LTE Band 66	Ant.B	Folder Open	Extremity 10-g	Bottom	Yes	2.110	2.100	1.00
	NR Band n66	Ant.B	Folder Open	Extremity 10-g	Bottom	Yes	2.130	2.090	1.02
1900	WCDMA Band 2	Ant.B	Folder Open	Extremity 10-g	Bottom	Yes	2.830	2.820	1.00
	LTE Band 25	Ant.B	Folder Open	Extremity 10-g	Bottom	Yes	2.470	2.390	1.03
	NR Band n25	Ant.B	Folder Open	Extremity 10-g	Bottom	Yes	2.710	2.630	1.03
2300	NR Band n30	Ant.B	Folder Open	Extremity 10-g	Bottom	Yes	2.190	2.090	1.05
2450	802.11b	Ant.F	Folder Open	Extremity 10-g	Top	Yes	2.100	2.070	1.01
	802.11b	MIMO	Folder Open	Extremity 10-g	Top	Yes	2.250	2.080	1.08
2600	LTE Band 7	Ant.B	Folder Open	Extremity 10-g	Bottom	Yes	2.410	2.330	1.03
	NR Band n7	Ant.B	Folder Open	Extremity 10-g	Bottom	Yes	2.500	2.490	1.00
	NR Band n41	Ant.E	Folder Open	Extremity 10-g	Top	Yes	2.070	2.030	1.02
	NR Band n41	Ant.B	Folder Open	Extremity 10-g	Bottom	Yes	2.630	2.150	1.22
3600	LTE Band 48	Ant.E	Folder Open	Extremity 10-g	Top	Yes	2.590	2.380	1.09
3800	NR Band n77	Ant.E	Folder Open	Extremity 10-g	Top	Yes	2.510	2.180	1.15

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		
<p>Folder Closed Head & Body-worn/Hotspot & PDA-10g</p> <p>Folder Opened Body & Extremity-10g</p>	1	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	BT Ant.1 (Ant.G) or BT Ant.2 (Ant.D)
	2	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	BT MIMO (dual)
	3	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	DTS Ant.1 (Ant.G) or DTS Ant.2 (Ant.D)
	4	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	DTS MIMO
	5	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	UNII Ant.1 (Ant.G) or UNII Ant.2 (Ant.F)
	6	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	UNII MIMO
	7	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	BT Ant.1 (Ant.G) + DTS Ant.2 (Ant.D)
	8	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	UNII Ant.1 (Ant.G) + BT Ant.1 (Ant.G) or BT Ant.2 (Ant.D)
	9	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	UNII Ant.1 (Ant.G) + BT MIMO (dual)
	10	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	UNII Ant.2 (Ant.F) + BT Ant.1 (Ant.G) or BT Ant.2 (Ant.D)
	11	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	UNII Ant.2 (Ant.F) + BT MIMO (dual)
	12	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	UNII MIMO + BT Ant.1 (Ant.G) or BT Ant.2 (Ant.D)
	13	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	UNII MIMO + BT MIMO (dual)
	14	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	DTS Ant.1 (Ant.G) + UNII Ant.1 (Ant.G) or UNII Ant.2 (Ant.F)
	15	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	DTS Ant.2 (Ant.D) + UNII Ant.1 (Ant.G) or UNII Ant.2 (Ant.F)
	16	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	DTS MIMO + UNII Ant.1 (Ant.G) or UNII Ant.2 (Ant.F)
	17	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	UNII MIMO + DTS Ant.1 (Ant.G) or DTS Ant.2 (Ant.D)
	18	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	DTS MIMO + UNII MIMO
	19	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	DTS Ant.2 (Ant.D) + UNII Ant.1 (Ant.G) + BT Ant.1 (Ant.G)
	20	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	DTS Ant.2 (Ant.D) + UNII Ant.2 (Ant.F) + BT Ant.1 (Ant.G)
	21	WWAN (2G/3G/LTE/NR) or (ENDC/ULCA)	+	DTS Ant.2 (Ant.D) + UNII MIMO + BT Ant.1 (Ant.G)
	22	Item (1-21) + UWB + NFC in PDA-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/NR supports UL CA configuration.
10. BT operates with RSDB for certain scenarios.
11. DTS/UNII/BT supports MIMO mode.

Note(s):

Qualcomm Smart Transmit algorithm support to WWAN/WLAN/BT except NFC/UWB. And This device has support two 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 within same antenna group, please refer to the Part.2 test report.

TER analysis for AG0/AG1/ERs

The 2nd Generation phase V of Smart Transmit (GEN2.5) with Unified mode operates based on pre-defined antenna groups of Sub6 antennas and mmW modules. Sub6 Tx antennas and mmW modules 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 AG0/AG1/ERs)** : Demonstrate that the sum of maximum *adjusted* SAR/PD from each of the sub6 and mmW AGs and the *adjusted* SAR/PD values from radios outside Smart Transmit should be less than the regulatory limit for each supported DSI.
2. **(Condition#2 SPLSR(or Sum-SPLSR) of each pairs(AG0/AG1/ERs))** : If the condition#1 is not met for only Sub6 antennas, then for a given antenna and module 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.

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

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.

3. **(Condition#2 SDOTER of mmW/Sub6/ERs)** : If the condition#1 is not met for both Sub6 and mmW antennas, Following Qualcomm’s guide, sub6 Antennas performs fast volume scan in DASY system and mmW modules use qualcomm’s simulation tool result to apply the TER calculation in SDOTER(Spatial Distribution Overlay based Total Exposure Ration) tool.

Note : Adjusted SAR/PD;

- a. Adjusted SAR followed below procedures.
 Exposure scaling for su6 antennas/radios (referred to as ‘adjusted SAR’ values):
 If EFS Plimit =< NV setting Pax, then SAR exposure should be scaled to EFS Plimit + device uncertainty, else SAR exposure should be scaled to maximum {EFS Plimit, NV setting Pmax + device uncertainty}.
- b. Adjusted PD followed below procedures.
 On the worst-case surface/position (dominant): PD exposure should correspond to reported input.power.limit, i.e., PD exposure should be equal to (PD_design_target + device uncertainty) if at least one beam has input.power.limit =< NV setting Pmax, else, PD exposure should be equal to PD_desing_target.
 For all other surfaces/positions (non-dominant): it is exposure ratio (of evaluated surface/position to worst-case surface/position for a given Tx power) multiplied by scaled PD exposure on the worst-case surface as computed above.

This device supports antenna groups like below table.

DSI No.	Antenna Groups	Grouped antenna list				
DSI= 0,1,2,3	AG0	Ant.A(Sub6)	Ant.A+B(Sub6)	Ant.B(Sub6)	Ant.C(Sub6)	Ant.J(mmW)
	AG1	Ant.D(Sub6)	Ant.E(Sub6)	Ant.F(Sub6)	Ant.G(Sub6)	
	ER(s)	NFC Ant.	UWB Ant.			
ER = Exteral radios/antennas suppoed ourtside of Smart Transmit						

This section verifies that TER(Total exposure ratio) of AG0/AG1/ERs satisfies to FCC limit using Condition#1 or Condition#2 guide.

Antenna Group		AG0		AG0		AG0		AG0
Antenna		Ant.C		Ant.C		Ant.C		Ant.C
RF exposure	Test positions	NR Bn48 (SRS1)		NR Bn77 (SRS1)		NR Bn41 (SRS2)		Highest Adjusted SAR & ER
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	
Plimit (dBm)		15.0	15.0	15.0	15.0	13.0	13.0	
Head Reported SAR	Left Touch	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Left Tilt	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right Touch	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right Tilt	0.000	0.000	0.001	0.001	0.000	0.000	0.001
Head's ER	Left Touch		0.00		0.00		0.00	0.000
	Left Tilt		0.00		0.00		0.00	0.000
	Right Touch		0.00		0.00		0.00	0.000
	Right Tilt		0.00		0.00		0.00	0.001

Antenna Group : AG1 Ant.D, E, F, G, G+F, D+G
AG1's Highest ER results

Antenna Group		AG1		AG1		AG1		AG1		AG1		AG1		AG1		AG1		AG1	
Antenna		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D	
RF exposure	Test positions	GSM 850		WCDMA B5		LTE B5		LTE B12		LTE B13		LTE B14		LTE B26		LTE B71		NR Bn5	
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)
Plimit (dBm)		26.3	32.9	25.3	31.6	25.5	31.9	25.2	29.8	25.5	30.9	25.5	34.1	25.5	31.2	25.2	30.3	25.0	32.0
Head Reported SAR	Left Touch	0.218	0.996	0.229	0.977	0.228	0.995	0.345	0.995	0.284	0.985	0.137	0.992	0.267	0.992	0.309	1.000	0.199	0.997
	Left Tilt	0.163	0.745	0.177	0.755	0.160	0.698	0.181	0.522	0.070	0.243	0.112	0.811	0.127	0.472	0.187	0.605	0.175	0.877
	Right Touch	0.107	0.489	0.124	0.529	0.123	0.537	0.139	0.401	0.062	0.215	0.091	0.659	0.115	0.427	0.141	0.456	0.111	0.556
	Right Tilt	0.088	0.402	0.112	0.478	0.096	0.419	0.083	0.239	0.048	0.166	0.072	0.522	0.093	0.346	0.102	0.330	0.097	0.486
Head's ER	Left Touch		0.62		0.61		0.62		0.62		0.62		0.62		0.62		0.62		0.62
	Left Tilt		0.47		0.47		0.44		0.33		0.15		0.51		0.29		0.38		0.55
	Right Touch		0.31		0.33		0.34		0.25		0.13		0.41		0.27		0.29		0.35
	Right Tilt		0.25		0.30		0.26		0.15		0.10		0.33		0.22		0.21		0.30

Antenna Group		AG1		AG1		AG1		AG1		AG1		AG1		AG1		AG1		AG1	
Antenna		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D	
RF exposure	Test positions	NR Bn12		NR Bn26		NR Bn71		NII 5.3GHz		NII 5.5GHz		NII 5.8GHz		NII 5.9GHz		NII 6GHz		Highest Adjusted SAR & ER	
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)		
Plimit (dBm)		25.0	30.2	25.0	31.3	25.0	30.9	18.0	26.9	18.0	24.4	18.0	22.2	18.0	22.2	13.0	13.0		
Head Reported SAR	Left Touch	0.301	0.997	0.232	0.990	0.260	1.012	0.130	1.009	0.199	0.869	0.324	0.852	0.374	0.984	0.094	0.094		1.012
	Left Tilt	0.188	0.623	0.183	0.781	0.174	0.677	0.086	0.668	0.241	1.052	0.401	1.055	0.397	1.044	0.136	0.136		1.055
	Right Touch	0.122	0.404	0.110	0.469	0.121	0.471	0.105	0.815	0.154	0.672	0.236	0.621	0.272	0.715	0.059	0.059		0.815
	Right Tilt	0.074	0.245	0.096	0.410	0.089	0.346	0.056	0.435	0.179	0.781	0.264	0.694	0.397	1.044	0.058	0.058		1.044
Head's ER	Left Touch		0.62		0.62		0.63		0.63		0.54		0.53		0.61		0.06		0.632
	Left Tilt		0.39		0.49		0.42		0.42		0.66		0.66		0.65		0.09		0.659
	Right Touch		0.25		0.29		0.29		0.51		0.42		0.39		0.45		0.04		0.509

Antenna Group		AG1		AG1		AG1		AG1		AG1		AG1		AG1		AG1		AG1	
Antenna		Ant.E		Ant.E		Ant.E		Ant.E		Ant.E		Ant.E		Ant.E		Ant.E		Ant.E	
RF exposure	Test positions	LTE B7		LTE B25		LTE B30		LTE B66		NR Bn7		LTE B48		NR Bn41		NR Bn48		NR Bn77	
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)
Plimit (dBm)		25.0	26.6	23.5	23.5	21.5	21.5	22.5	22.5	24.0	25.0	21.0	21.0	23.0	23.0	20.0	20.0	18.0	18.0
Head Reported SAR	Left Touch	0.478	0.691	0.654	0.654	0.945	0.945	0.460	0.460	0.476	0.599	0.417	0.417	0.196	0.196	0.333	0.333	0.306	0.306
	Left Tilt	0.532	0.769	0.952	0.952	1.075	1.075	0.616	0.616	0.616	0.775	0.555	0.555	0.290	0.290	0.418	0.418	0.418	0.418
	Right Touch	0.544	0.786	0.705	0.705	0.779	0.779	0.474	0.474	0.554	0.697	0.875	0.875	0.231	0.231	0.957	0.957	0.545	0.545
	Right Tilt	0.683	0.987	0.924	0.924	1.021	1.021	0.575	0.575	0.786	0.990	1.067	1.067	0.333	0.333	1.069	1.069	0.718	0.718
Head's ER	Left Touch		0.43		0.41		0.59		0.29		0.37		0.26		0.12		0.21		0.19
	Left Tilt		0.48		0.60		0.67		0.39		0.48		0.35		0.18		0.26		0.26
	Right Touch		0.49		0.44		0.49		0.30		0.44		0.55		0.14		0.60		0.34
	Right Tilt		0.62		0.58		0.64		0.36		0.62		0.67		0.21		0.67		0.45

Antenna Group		AG1		AG1		AG1		AG1		AG1	
Antenna		Ant.E		Ant.E		Ant.E		Ant.E		Ant.E	
RF exposure	Test positions	NR Bn25		NR Bn30		NR Bn66		NR Bn70		Highest Adjusted SAR & ER	
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)		
Plimit (dBm)		23.5	23.5	21.5	21.5	22.5	22.5	23.5	23.5		
Head Reported SAR	Left Touch	0.696	0.696	0.875	0.875	0.486	0.486	0.489	0.489	0.945	
	Left Tilt	0.882	0.882	1.043	1.043	0.745	0.745	0.764	0.764	1.075	
	Right Touch	0.831	0.831	0.793	0.793	0.521	0.521	0.617	0.617	0.957	
	Right Tilt	0.989	0.989	0.971	0.971	0.621	0.621	0.796	0.796	1.069	
Head's ER	Left Touch		0.44		0.55		0.30		0.31	0.591	
	Left Tilt		0.55		0.65		0.47		0.48	0.672	
	Right Touch		0.52		0.50		0.33		0.39	0.598	
	Right Tilt		0.62		0.61		0.39		0.50	0.668	

Antenna Group		AG1		AG1		AG1		AG1		AG1
Antenna		Ant.F		Ant.F		Ant.F		Ant.F		Ant.F
RF exposure	Test positions	NR Bn48 (SRS2)		NR Bn77 (SRS2)		DTS_2.4GHz		Bluetooth		Highest Adjusted SAR & ER
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	
Plimit (dBm)		15.0	15.0	15.0	15.0	18.0	18.0	19.5	25.3	
Head Reported SAR	Left Touch	0.094	0.094	0.137	0.137	0.426	0.426	0.197	0.749	0.749
	Left Tilt	0.140	0.140	0.080	0.080	0.603	0.603	0.227	0.863	0.863
	Right Touch	0.070	0.070	0.042	0.042	0.401	0.401	0.182	0.692	0.692
	Right Tilt	0.085	0.085	0.060	0.060	0.662	0.662	0.265	1.008	1.008
Head's ER	Left Touch		0.06		0.09		0.27		0.47	0.468
	Left Tilt		0.09		0.05		0.38		0.54	0.539
	Right Touch		0.04		0.03		0.25		0.43	0.432
	Right Tilt		0.05		0.04		0.41		0.63	0.630

Summation of AG0 and AG1

AG0's worst configuration

Antenna Group		AG0	AG0	AG0	AG0	AG0
Antenna		Ant.A	Ant.A+B	Ant.B	Ant.C	Highest Adjusted ER
RF exposure	Test position	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	
Head	Left Touch	0.28	0.29	0.32	0.00	0.32
	Left Tilt	0.29	0.21	0.28	0.00	0.29
	Right Touch	0.33	0.33	0.33	0.00	0.33
	Right Tilt	0.22	0.22	0.32	0.00	0.32

AG1's worst configuration

Antenna Group		AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1
Antenna		Ant.D	Ant.E	Ant.F	Ant.G	Ant.G+F	Ant.D+G	Ant.J	Highest Adjusted ER
RF exposure	Test position	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	
Head	Left Touch	0.63	0.59	0.47	0.64	0.44	0.63	0.47	0.64
	Left Tilt	0.66	0.67	0.54	0.23	0.53	0.66	0.47	0.67
	Right Touch	0.51	0.60	0.43	0.66	0.64	0.66	0.47	0.66
	Right Tilt	0.65	0.67	0.63	0.12	0.42	0.65	0.47	0.67

AG0 and AG1 summation results

Antenna Group		AG0	AG1	AG0 + AG1	FCC TER Limit
Antenna		All	All		
RF exposure	Test position	Highest Adjusted ER	Highest Adjusted ER		
Head	Left Touch	0.32	0.64	0.96	1.00
	Left Tilt	0.29	0.67	0.96	
	Right Touch	0.33	0.66	0.99	
	Right Tilt	0.32	0.67	0.99	

Note(s):

Additional evaluation is not required due to below FCC limit.

1. Worst Simultaneous transmission results are below;

Simultaneous transmission for PD : Maximum TER is 0.79 in Head exposure condition.
 Simultaneous transmission for Sub6 : Maximum TER is 0.99 in Head exposure condition.

So PD's maximum TER is 0.79, and SAR's simultaneous transmission value is $0.516 \text{ W/kg(ER:0.32)} + 1.067 \text{ W/kg(ER:0.67)} = 1.583 \text{ W/kg}$.

12.1.2 Body & Hotspot(DSI=1) exposure TER analysis

Condition#1 (Sum of ERs)

Antenna Group : AG0_Ant.A, Ant.A+B, Ant.B, Ant.C

AG0's Highest ER results

Antenna Group		AG0		AG0		AG0		AG0		AG0		AG0		AG0		AG0	
Antenna		Ant.A		Ant.A		Ant.A		Ant.A		Ant.A		Ant.A		Ant.A		Ant.A	
RF exposure	Test position	GSM 850		WCDMA B5		LTE B5		LTE B12		LTE B13		LTE B14		LTE B26		LTE B71	
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)
Plimit (dBm)		26.3	27.4	25.3	26.0	25.5	27.0	25.2	27.6	25.5	27.5	25.5	27.2	25.5	26.5	25.2	25.9
Body-worn & Hotspot Reported SAR	Rear	0.270	0.348	0.459	0.539	0.474	0.670	0.340	0.591	0.350	0.555	0.330	0.488	0.383	0.482	0.279	0.328
	Front	0.077	0.099	0.152	0.179	0.148	0.209	0.208	0.361	0.154	0.244	0.141	0.209	0.241	0.303	0.131	0.154
	Top		0.000		0.000		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		0.000		0.000
	Bottom	0.105	0.135	0.183	0.215	0.175	0.247	0.117	0.203	0.131	0.208	0.106	0.157	0.139	0.175	0.080	0.094
	Right	0.249	0.321	0.459	0.539	0.471	0.665	0.376	0.653	0.399	0.632	0.395	0.584	0.345	0.434	0.287	0.337
Body-worn & Hotspot's ER	Rear		0.22		0.34		0.42		0.37		0.35		0.31		0.30		0.20
	Front		0.06		0.11		0.13		0.23		0.15		0.13		0.19		0.10
	Top		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00
	Left		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00
	Bottom		0.08		0.13		0.15		0.13		0.13		0.13		0.10		0.06
	Right		0.20		0.34		0.42		0.41		0.40		0.37		0.27		0.21

Antenna Group		AG0		AG0		AG0		AG0		AG0		AG0		AG0		AG0	
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	
RF exposure	Test position	NR Bn5		NR Bn12		NR Bn26		NR Bn71		NR Bn48 (SRS3)		NR Bn77 (SRS3)		Highest Adjusted SAR & ER			
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)
Plimit (dBm)		25.0	25.7	25.0	26.5	25.0	26.0	25.0	26.3	15.0	15.0	15.0	15.0				
Body-worn & Hotspot Reported SAR	Rear	0.383	0.450	0.353	0.499	0.344	0.433	0.325	0.438	0.078	0.078	0.191	0.191	0.670			
	Front	0.186	0.219	0.224	0.316	0.173	0.218	0.186	0.251	0.013	0.013	0.014	0.014	0.361			
	Top		0.000		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	0.000			
	Bottom	0.205	0.241	0.118	0.167	0.170	0.214	0.213	0.287	0.050	0.050	0.190	0.190	0.287			
	Right	0.368	0.432	0.429	0.636	0.362	0.455	0.425	0.573	0.104	0.104	0.100	0.100	0.665			
Body-worn & Hotspot's ER	Rear		0.28		0.31		0.27		0.27		0.05		0.12	0.418			
	Front		0.14		0.20		0.14		0.16		0.01		0.01	0.228			
	Top		0.00		0.00		0.00		0.00		0.00		0.00	0.000			
	Left		0.00		0.00		0.00		0.00		0.00		0.00	0.000			
	Bottom		0.15		0.10		0.13		0.18		0.03		0.12	0.180			
	Right		0.27		0.38		0.28		0.36		0.07		0.06	0.416			

Antenna Group		AG0		AG0		AG0		AG0		AG0		AG0		AG0		AG0	
Antenna		Ant.B		Ant.B		Ant.B		Ant.B		Ant.B		Ant.B		Ant.B		Ant.B	
RF exposure	Test position	GSM 1900		WCDMA B2		WCDMA B4		LTE B7		LTE B25		LTE B30		LTE B41		LTE B66	
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)
Plimit (dBm)		19.3	19.3	20.0	20.0	20.0	20.0	19.0	19.0	20.0	20.0	19.0	19.0	19.0	19.0	20.0	20.0
Body-worn & Hotspot Reported SAR	Rear	0.386	0.386	0.845	0.845	0.740	0.740	0.745	0.745	0.767	0.767	0.599	0.599	0.479	0.479	0.691	0.691
	Front	0.118	0.118	0.234	0.234	0.253	0.253	0.124	0.124	0.259	0.259	0.281	0.281	0.111	0.111	0.298	0.298
	Top		0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000
	Left	0.063	0.063	0.096	0.096	0.098	0.098	0.037	0.037	0.105	0.105	0.060	0.060	0.047	0.047	0.111	0.111
	Bottom	0.577	0.577	1.198	1.198	0.983	0.983	0.923	0.923	1.140	1.140	1.188	1.188	1.168	1.168	1.089	1.089
	Right	0.111	0.111	0.231	0.231	0.188	0.188	0.088	0.088	0.220	0.220	0.119	0.119	0.099	0.099	0.216	0.216
Body-worn & Hotspot's ER	Rear		0.24		0.53		0.46		0.47		0.48		0.37		0.30		0.43
	Front		0.07		0.15		0.16		0.08		0.16		0.18		0.07		0.19
	Top		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00
	Left		0.04		0.06		0.06		0.02		0.07		0.04		0.03		0.07
	Bottom		0.36		0.75		0.61		0.58		0.71		0.74		0.73		0.68
	Right		0.07		0.14		0.12		0.06		0.14		0.07		0.06		0.14

Antenna Group		AG0		AG0		AG0		AG0		AG0		AG0		AG0
Antenna		Ant.B		Ant.B		Ant.B		Ant.B		Ant.B		Ant.B		Ant.B
RF exposure	Test position	NR Bn7		NR Bn25		NR Bn30		NR Bn66		NR Bn70		NR Bn41 (SRS1)		Highest Adjusted SAR & ER
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	
	Plimit (dBm)	19.0	19.0	20.0	20.0	19.0	19.0	20.0	20.0	20.0	20.0	19.0	19.0	
Body-worn & Hotspot Reported SAR	Rear	0.533	0.533	0.700	0.700	0.545	0.545	0.713	0.713	0.599	0.599	0.617	0.617	0.845
	Front	0.105	0.105	0.195	0.195	0.172	0.172	0.295	0.295	0.199	0.199	0.116	0.116	0.298
	Top		0.000		0.000		0.000		0.000		0.000		0.000	0.000
	Left	0.040	0.040	0.104	0.104	0.041	0.041	0.117	0.117	0.072	0.072	0.048	0.048	0.117
	Bottom	0.713	0.713	1.048	1.048	0.857	0.857	1.153	1.153	0.645	0.645	0.920	0.920	1.198
Body-worn & Hotspot's ER	Right	0.097	0.097	0.226	0.226	0.107	0.107	0.216	0.216	0.134	0.134	0.127	0.127	0.231
	Rear		0.33		0.44		0.34		0.45		0.37		0.39	0.528
	Front		0.07		0.12		0.11		0.18		0.12		0.07	0.186
	Top		0.00		0.00		0.00		0.00		0.00		0.00	0.000
	Left		0.03		0.07		0.03		0.07		0.05		0.03	0.073
	Bottom		0.45		0.66		0.54		0.72		0.40		0.58	0.749
	Right		0.06		0.14		0.07		0.14		0.08		0.08	0.144

Antenna Group		AG0		AG0		AG0		AG0
Antenna		Ant.C		Ant.C		Ant.C		Ant.C
RF exposure	Test position	NR Bn48 (SRS1)		NR Bn77 (SRS1)		NR Bn41 (SRS2)		Highest Adjusted SAR & ER
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	
	Plimit (dBm)	15.0	15.0	15.0	15.0	13.0	13.0	
Body-worn & Hotspot Reported SAR	Rear	0.187	0.187	0.169	0.169	0.069	0.069	0.187
	Front	0.005	0.005	0.000	0.000	0.000	0.000	0.005
	Top		0.000		0.000		0.000	0.000
	Left	0.082	0.082	0.000	0.000	0.000	0.000	0.082
	Bottom	0.112	0.112	0.286	0.286	0.088	0.088	0.286
Body-worn & Hotspot's ER	Right		0.000		0.000		0.000	0.000
	Rear		0.12		0.11		0.04	0.117
	Front		0.00		0.00		0.00	0.003
	Top		0.00		0.00		0.00	0.000
	Left		0.05		0.00		0.00	0.051
	Bottom		0.07		0.18		0.06	0.179
	Right		0.00		0.00		0.00	0.000

Antenna Group : AG1 Ant.D, E, F, G,G+F, D+G

AG1's Highest ER results

Antenna Group		AG1		AG1		AG1		AG1		AG1		AG1		AG1		AG1		AG1	
Antenna		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D	
RF exposure	Test position	GSM 850		WCDMA B5		LTE B5		LTE B12		LTE B13		LTE B14		LTE B26		LTE B71		NR Bn5	
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)
	Plimit (dBm)	26.3	29.3	25.3	29.5	25.5	30.5	25.2	27.4	25.5	28.7	25.5	29.0	25.5	29.2	25.2	26.6	25.0	28.2
Body-worn & Hotspot Reported SAR	Rear	0.362	0.722	0.315	0.829	0.313	0.990	0.271	0.450	0.160	0.334	0.294	0.658	0.263	0.617	0.361	0.498	0.330	0.689
	Front	0.141	0.281	0.118	0.310	0.107	0.338	0.101	0.168	0.068	0.142	0.087	0.195	0.117	0.274	0.103	0.142	0.114	0.238
	Top	0.232	0.463	0.207	0.544	0.184	0.582	0.160	0.266	0.085	0.178	0.145	0.325	0.168	0.394	0.187	0.258	0.195	0.407
	Left		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
Body-worn & Hotspot's ER	Right	0.328	0.654	0.257	0.676	0.252	0.797	0.306	0.508	0.176	0.368	0.259	0.580	0.275	0.645	0.341	0.471	0.289	0.604
	Rear		0.45		0.52		0.62		0.28		0.21		0.41		0.39		0.31		0.43
	Front		0.18		0.19		0.21		0.10		0.09		0.12		0.17		0.09		0.15
	Top		0.29		0.34		0.36		0.17		0.11		0.20		0.25		0.16		0.25
	Left		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00
	Bottom		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00
	Right		0.41		0.42		0.50		0.32		0.23		0.36		0.40		0.29		0.38
Antenna Group		AG1		AG1		AG1		AG1		AG1		AG1		AG1		AG1		AG1	
Antenna		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D	
RF exposure	Test position	NR Bn12		NR Bn26		NR Bn71		UNII 5.3GHz		UNII 5.5GHz		UNII 5.8GHz		UNII 5.9GHz		UNII 6GHz		Highest Adjusted SAR & ER	
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)		
	Plimit (dBm)	25.0	27.5	25.0	29.6	25.0	27.3	18.0	23.3	18.0	21.7	18.0	23.8	18.0	22.4	13.0	13.0		
Body-worn & Hotspot Reported SAR	Rear	0.216	0.384	0.268	0.773	0.242	0.411	0.180	0.610	0.418	0.980	0.273	1.038	0.303	0.835	0.289	0.289	1.038	
	Front	0.092	0.164	0.115	0.332	0.088	0.149	0.180	0.610	0.035	0.082	0.273	1.038	0.303	0.835	0.004	0.004	1.038	
	Top	0.125	0.222	0.183	0.528	0.176	0.299		0.000		0.000		0.273	1.038	0.000		0.000	1.038	
	Left		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	
Body-worn & Hotspot's ER	Right	0.278	0.494	0.251	0.724	0.270	0.459		0.000		0.000	0.059	0.224		0.000		0.000	0.797	
	Rear		0.24		0.48		0.26		0.38		0.61		0.65		0.52		0.18	0.649	
	Front		0.10		0.21		0.09		0.38		0.05		0.65		0.52		0.00	0.649	
	Top		0.14		0.33		0.19		0.00		0.00		0.65		0.00		0.00	0.649	
	Left		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	0.000	
	Bottom		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	0.000	
	Right		0.31		0.45		0.29		0.00		0.00		0.14		0.00		0.00	0.498	

Summation of AG0 and AG1

AG0's worst configuration

Antenna Group		AG0	AG0	AG0	AG0	AG0
Antenna		Ant.A	Ant.A+B	Ant.B	Ant.C	Highest Adjusted ER
RF exposure	Test position	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	
Body-worn & Hotspot	Rear	0.418	0.444	0.528	0.117	0.53
	Front	0.226	0.201	0.186	0.003	0.23
	Top	0.000	0.000	0.000	0.000	0.00
	Left	0.000	0.213	0.073	0.051	0.21
	Bottom	0.180	0.196	0.749	0.179	0.75
	Right	0.416	0.480	0.144	0.000	0.48

AG1's worst configuration

Antenna Group		AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1
Antenna		Ant.D	Ant.E	Ant.F	Ant.G	Ant.G+F	Ant.D+G	Ant.J	Highest Adjusted ER
RF exposure	Test position	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	
Body-worn & Hotspot	Rear	0.649	0.434	0.291	0.593	0.336	0.662	0.471	0.66
	Front	0.649	0.163	0.055	0.490	0.090	0.662	0.210	0.66
	Top	0.649	0.454	0.374	0.000	0.429	0.662	0.481	0.66
	Left	0.000	0.068	0.018	0.000	0.035	0.000	0.103	0.10
	Bottom	0.000	0.000	0.000	0.000	0.000	0.000	0.032	0.03
	Right	0.498	0.000	0.041	0.456	0.067	0.453	0.681	0.68

AG0 and AG1 summation results

Antenna Group		AG0	AG1	AG0 + AG1	FCC TER Limit
Antenna		All	All		
RF exposure	Test position	Highest Adjusted ER	Highest Adjusted ER		
Body-worn & Hotspot	Rear	0.53	0.66	1.19	1.0
	Front	0.23	0.66	0.89	
	Top	0.00	0.66	0.66	
	Left	0.21	0.10	0.32	
	Bottom	0.75	0.03	0.78	
	Right	0.48	0.68	1.16	

Note(s):

For Rear/Right positions, additional TER calculation is required for each Bands/antennas.

Summation of each antennas of AG0 and each antennas of AG1

AG0(Each antennas) and AG1(Each antennas) summation results

Positions	AG0				AG0+AG1	Note	Positions	AG1				AG0+AG1	Note		
	Antenna	ER	Antenna	ER				Antenna	ER						
Rear	Ant.A	0.42	0.65	Ant.D	0.65	1.07	1	Right	Ant.A	0.42	0.50	Ant.D	0.50	0.92	1
		0.42	0.85	Ant.E	0.43	0.85				0.42	0.00	Ant.E	0.00	0.42	
		0.42	0.71	Ant.F	0.29	0.71				0.42	0.04	Ant.F	0.04	0.46	
		0.42	1.01	Ant.G	0.59	1.01	1			0.42	0.46	Ant.G	0.46	0.87	
		0.42	0.75	Ant.G+F	0.34	0.75				0.42	0.07	Ant.G+F	0.07	0.48	
		0.42	1.08	Ant.D+G	0.66	1.08	1			0.42	0.45	Ant.D+G	0.45	0.87	
		0.42	0.89	Ant.J	0.47	0.89				0.42	0.68	Ant.J	0.68	1.10	2
		0.44	1.09	Ant.D	0.65	1.09	1			0.48	0.50	Ant.D	0.50	0.98	1
	Ant.A+B	0.44	0.88	Ant.E	0.43	0.88			0.48	0.00	Ant.E	0.00	0.48		
		0.44	0.74	Ant.F	0.29	0.74			0.48	0.04	Ant.F	0.04	0.52		
		0.44	1.04	Ant.G	0.59	1.04	1		0.48	0.46	Ant.G	0.46	0.94		
		0.44	0.78	Ant.G+F	0.34	0.78			0.48	0.07	Ant.G+F	0.07	0.55		
		0.44	1.11	Ant.D+G	0.66	1.11	1		0.48	0.45	Ant.D+G	0.45	0.93		
		0.44	0.92	Ant.J	0.47	0.92			0.48	0.68	Ant.J	0.68	1.16	2	
		Ant.B	0.53	1.18	Ant.D	0.65	1.18		1	0.14	0.50	Ant.D	0.50	0.64	
			0.53	0.96	Ant.E	0.43	0.96			0.14	0.00	Ant.E	0.00	0.14	
	0.53		0.82	Ant.F	0.29	0.82	1		0.14	0.04	Ant.F	0.04	0.19		
	0.53		1.12	Ant.G	0.59	1.12	1		0.14	0.46	Ant.G	0.46	0.60		
	0.53		0.86	Ant.G+F	0.34	0.86			0.14	0.07	Ant.G+F	0.07	0.21		
	0.53		1.19	Ant.D+G	0.66	1.19	1		0.14	0.45	Ant.D+G	0.45	0.60		
	0.53		1.00	Ant.J	0.47	1.00	2		0.14	0.68	Ant.J	0.68	0.83		
	Ant.C		0.12	0.77	Ant.D	0.65	0.77								
		0.12	0.55	Ant.E	0.43	0.55									
		0.12	0.41	Ant.F	0.29	0.41									
0.12		0.71	Ant.G	0.59	0.71										
0.12		0.45	Ant.G+F	0.34	0.45										
0.12		0.78	Ant.D+G	0.66	0.78										
	0.59	Ant.J	0.47	0.59											

Note.1 = SPLSR criteria, Note.2 = SDOTER criteria

Note(s):

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

1. Need to SPLSR criteria
2. Need to SDOTER criteria

Condition#2 (SPLSR)

AG0(Sub6) & AG1(Sub6) SPLSR combinations

Positions	Antenna Group	Antenna	Bands	Adjusted ER	Adjusted SAR (W/kg)	Y-axis(mm) from ERP point	SPLSR (Y/N)	Antenna Group	Antenna	Bands	Adjusted ER	Adjusted SAR (W/kg)	Y-axis(mm) from ERP point	SPLSR (Y/N)					
Rear -10mm	AG0	Ant.A	GSM 850	0.22	0.348		N	AG1	D	GSM 850	0.45	0.722		N					
			WCDMA B5	0.34	0.539		N			WCDMA B5	0.52	0.829	-74.3	Y					
			LTE B5	0.42	0.670	69.40	Y			LTE B5	0.62	0.990	-69.0	Y					
			LTE B12	0.37	0.591	67.50	Y			LTE B12	0.28	0.450		N					
			LTE B13	0.35	0.555	72.10	Y			LTE B13	0.21	0.334		N					
			LTE B14	0.31	0.488		N			LTE B14	0.41	0.658		N					
			LTE B26	0.30	0.482		N			LTE B26	0.39	0.617	-72.6	Y					
			LTE B71	0.20	0.328		N			LTE B71	0.31	0.498		N					
			NR Bn5	0.28	0.450		N			NR Bn5	0.43	0.689		N					
			NR Bn12	0.31	0.499		N			NR Bn12	0.24	0.384		N					
			NR Bn26	0.27	0.433		N			NR Bn26	0.48	0.773	-76.8	Y					
			NR Bn71	0.27	0.438		N			NR Bn71	0.26	0.411		N					
			NR Bn48 (SRS3)	0.05	0.078		N			UNII 5.3GHz	0.38	0.610	-73.4	Y					
			NR Bn77 (SRS3)	0.12	0.191		N			UNII 5.5GHz	0.61	0.980	-75.8	Y					
			Worst configuration	0.42	0.670	67.5				UNII 5.8GHz	0.65	1.038	-69.8	Y					
										UNII 5.9GHz	0.52	0.835	-72.0	Y					
										UNII 6GHz	0.18	0.289		N					
										Worst configuration	0.65	1.038	-69.0						
					Ant.A+B	GSM 850	0.40			0.648	67.5	Y	AG1	E	LTE B7	0.17	0.277		N
						WCDMA B5	0.33			0.520		N			LTE B25	0.34	0.550		N
				LTE B5		0.44	0.711	69.6	Y	LTE B30	0.29	0.469				N			
				LTE B12		0.37	0.587	67.0	Y	LTE B41	0.13	0.203				N			
				LTE B13		0.42	0.667	68.9	Y	LTE B66	0.34	0.545				N			
				LTE B14		0.33	0.530		N	LTE B48	0.23	0.371				N			
				LTE B26		0.36	0.582	68.8	Y	NR Bn7	0.25	0.396				N			
				LTE B71		0.33	0.528		N	NR Bn25	0.30	0.477				N			
				NR Bn5		0.30	0.484		N	NR Bn30	0.29	0.463				N			
				NR Bn12		0.31	0.499		N	NR Bn66	0.30	0.473				N			
				NR Bn26	0.37	0.585	63.1	Y	NR Bn70	0.43	0.695		N						
				NR Bn71	0.31	0.502		N	NR Bn41	0.14	0.230		N						
				Worst configuration	0.44	0.711	63.1		NR Bn48	0.21	0.342		N						
									NR Bn77	0.18	0.292		N						
				Ant.B	GSM 1900	0.24	0.386		N	AG1	F	Worst configuration	0.43	0.695					
					WCDMA B2	0.53	0.845	80.5	Y			NR Bn48 (SRS2)	0.18	0.292		N			
					WCDMA B4	0.46	0.740	73.5	Y			NR Bn77 (SRS2)	0.16	0.261		N			
					LTE B7	0.47	0.745	85.5	Y			DTS_2.4GHz	0.29	0.466	-75.0	Y			
					LTE B25	0.48	0.767	77.8	Y			Bluetooth	0.23	0.373		N			
					LTE B30	0.37	0.599		N			Worst configuration	0.29	0.466	-75.0				
					LTE B41	0.30	0.479		N			NR Bn41 (SRS3)	0.01	0.013		N			
					LTE B66	0.43	0.691	81.0	Y			DTS_2.4GHz	0.12	0.196		N			
					NR Bn7	0.33	0.533		N			UNII 5.3GHz	0.22	0.346		N			
					NR Bn25	0.44	0.700	75.0	Y			UNII 5.5GHz	0.59	0.949	-23.8	Y			
				NR Bn30	0.34	0.545	77.5	Y	UNII 5.8GHz	0.49	0.784	-24.8	Y						
				NR Bn66	0.45	0.713	78.5	Y	UNII 5.9GHz	0.29	0.460		N						
				NR Bn70	0.37	0.599	83.0	Y	UNII 6GHz	0.07	0.118		N						
				NR Bn41 (SRS1)	0.39	0.617	79.2	Y	Bluetooth	0.20	0.317		N						
				Worst configuration	0.53	0.845	73.5		Worst configuration	0.59	0.949	-23.8							
				Ant.C	NR Bn48 (SRS1)	0.12	0.187		N	AG1	G	DTS_2.4GHz	0.34	0.537		N			
					NR Bn77 (SRS1)	0.11	0.169		N			Bluetooth	0.13	0.216		N			
					NR Bn41 (SRS3)	0.04	0.069		N			Worst configuration	0.34	0.537					
					NR Bn41 (SRS3)	0.00	0.000		N			UNII 5.3GHz	0.30	0.479		N			
					Worst configuration	0.12	0.187					UNII 5.5GHz	0.65	1.040	-38.0	Y			
									AG1	G+D	UNII 5.8GHz	0.66	1.060	-73.8	Y				
											UNII 5.9GHz	0.57	0.913	-70.8	Y				
											UNII 6GHz	0.13	0.202		N				
											Worst configuration	0.66	1.060	-38.0					

AG0(Sub6) & AG1(Sub6) SPLSR calculation results

Test position	No.	Antenna pairs		AG0		AG1		AG0+AG1 SUM SAR (W/kg)	SPLSR Results
		AG0	AG1	SAR (W/kg)	Y-axis (mm)	SAR (W/kg)	Y-axis (mm)		
Rear	1	Ant.A	Ant.D	0.670	67.5	1.038	-69.0	1.708	0.02
	2	Ant.A	Ant.G	0.670	67.5	0.949	-23.8	1.619	0.02
	3	Ant.A	Ant.G+D	0.670	67.5	1.060	-38.0	1.730	0.02
	4	Ant.A+B	Ant.D	0.711	63.1	1.038	-69.0	1.749	0.02
	5	Ant.A+B	Ant.G	0.711	63.1	0.949	-23.8	1.660	0.02
	6	Ant.A+B	Ant.G+D	0.711	63.1	1.060	-38.0	1.771	0.02
	7	Ant.B	Ant.D	0.845	73.5	1.038	-69.0	1.883	0.02
	8	Ant.B	Ant.F	0.845	73.5	0.754	-75.0	1.599	0.01
	9	Ant.B	Ant.G	0.845	73.5	0.949	-23.8	1.794	0.02
	10	Ant.B	Ant.G+D	0.845	73.5	1.060	-38.0	1.905	0.02

Note(s):

1. Worst combinations SPLSR criteria results is not over 0.04 (1-g SAR) in Sub6 antenna configurations. So additional test is not required.
2. Worst Simultaneous transmission results are below;

Simultaneous transmission for PD : Maximum TER is 0.78 in Body exposure condition.
 Simultaneous transmission for Sub6 : Maximum TER is 0.98 in Hotspot exposure condition.

So SAR's simultaneous transmission value is 0.845 W/kg(ER:0.53)+0.695 W/kg(ER:0.43) = 1.540 W/kg in Body-worn exposure condition.
 And SAR's simultaneous transmission value is 0.768 W/kg(ER:0.48)+0.797 W/kg(ER:0.50) = 1.565 W/kg in Hotspot exposure condition.

Condition#2 (SDOTER)

AG0(Sub6) & AG1(mmW) SDOTER combinations

Positions	Antenna Group	Antenna	Bands	Adjusted SAR ER	Figure	Antenna	Adjusted PD ER	Figure	TER (SAR ER + PD ER)	fast volume scan (Y/N)	SDOTER results	Figure
Rear -10mm	AG0	Ant.B	GSM 1900	0.24		AG1 Ant.J (mmW)	0.47		0.71	N	N	
			WCDMA B2	0.53	1		0.47	2	1.00	Y	0.56	3
			WCDMA B4	0.46			0.47		0.93	N	N	
			LTE B7	0.47			0.47		0.9	N	N	
			LTE B25	0.48			0.47		0.95	N	N	
			LTE B30	0.37			0.47		0.84	N	N	
			LTE B41	0.30			0.47		0.77	N	N	
			LTE B66	0.43			0.47		0.90	N	N	
			NR Bn7	0.33			0.47		0.80	N	N	
			NR Bn25	0.44			0.47		0.91	N	N	
			NR Bn30	0.34			0.47		0.81	N	N	
			NR Bn66	0.45			0.47		0.92	N	N	
			NR Bn70	0.37			0.47		0.85	N	N	
			NR Bn41 (SRS1)	0.39			0.47		0.86	N	N	

Positions	Antenna Group	Antenna	Bands	Adjusted SAR ER	Figure	Antenna	Adjusted PD ER	Figure	TER (SAR ER + PD ER)	fast volume scan (Y/N)	SDOTER results	Figure
Right -10mm	AG0	Ant.A	GSM 850	0.20		AG1 Ant.J (mmW)	0.68		0.88	N	0.99	12
			WCDMA B5	0.34	4		0.68		1.02	Y		
			LTE B5	0.42	5		0.68		1.10	Y		
			LTE B12	0.41	6		0.68		1.09	Y		
			LTE B13	0.40	7		0.68		1.08	Y		
			LTE B14	0.37	8		0.68		1.05	Y		
			LTE B26	0.27			0.68	11	0.95	N		
			LTE B71	0.21			0.68		0.89	N		
			NR Bn5	0.27			0.68		0.95	N		
			NR Bn12	0.38	9		0.68		1.06	Y		
			NR Bn26	0.28			0.68		0.96	N		
			NR Bn71	0.36	10		0.68		1.04	Y		
			NR Bn48 (SRS3)	0.07			0.68		0.75	N		
			NR Bn77 (SRS3)	0.06			0.68		0.74	N		
Right -10mm	AG0	Ant.A+B	GSM 850	0.42	13	AG1 Ant.J (mmW)	0.68		1.10	Y	0.99	24
			WCDMA B5	0.36	14		0.68		1.04	Y		
			LTE B5	0.35	15		0.68		1.04	Y		
			LTE B12	0.48	16		0.68		1.2	Y		
			LTE B13	0.43	17		0.68		1.11	Y		
			LTE B14	0.39	18		0.68		1.07	Y		
			LTE B26	0.27	19		0.68	23	0.95	Y		
			LTE B71	0.47	20		0.68		1.15	Y		
			NR Bn5	0.27			0.68		0.95	N		
			NR Bn12	0.34	21		0.68		1.02	Y		
			NR Bn26	0.30			0.68		0.98	N		
			NR Bn71	0.41	22		0.68		1.09	Y		

Note(s):

1. SDOTER results (PD ER/SAR ER/SAR and PD combine Results) refer to Appendix I.
2. Worst Simultaneous transmission results are below;
 Simultaneous transmission for PD : Maximum TER is 0.99 in Body & Hotspot exposure condition.
 So PD's maximum TER is 0.99

12.1.3 Product Specific 10g(DSI=1) exposure TER analysis

Condition#1 (Sum of ERs)

Antenna Group : AG1 Ant.D, G, D+G

AG1's Highest ER results

Antenna Group		AG1		AG1		AG1		AG1		AG1
Antenna		Ant.D		Ant.D		Ant.D		Ant.D		Ant.D
RF exposure	Test position	UNII 5.3GHz		UNII 5.5GHz		UNII 5.9GHz		UNII 6GHz		Highest Adjusted SAR & ER
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	
	Plimit (dBm)	18.0	23.3	18.0	21.7	18.0	22.4	13.0	13.0	
Product Specific10g Reported SAR	Rear	0.188	0.637	0.315	0.738	0.359	0.989	0.226	0.226	0.989
	Front	0.751	2.545	1.109	2.600	0.957	2.636	0.014	0.014	2.636
	Top	0.751	2.545	1.109	2.600	0.957	2.636	0.127	0.127	2.636
	Left		0.000		0.000		0.000		0.000	0.000
	Bottom		0.000		0.000		0.000		0.000	0.000
	Right	0.751	2.545	0.377	0.884	0.957	2.636	0.038	0.038	2.636
Product Specific10g's ER	Rear		0.16		0.18		0.25		0.06	0.25
	Front		0.64		0.65		0.66		0.00	0.66
	Top		0.64		0.65		0.66		0.03	0.66
	Left		0.00		0.00		0.00		0.00	0.00
	Bottom		0.00		0.00		0.00		0.00	0.00
	Right		0.64		0.22		0.66		0.01	0.66

Antenna Group		AG1		AG1		AG1		AG1		AG1
Antenna		Ant.G		Ant.G		Ant.G		Ant.G		Ant.G
RF exposure	Test position	UNII 5.3GHz		UNII 5.5GHz		UNII 5.9GHz		UNII 6GHz		Highest Adjusted SAR & ER
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	
	Plimit (dBm)	18.0	21.7	18.0	21.5	18.0	21.3	13.0	13.0	
Product Specific10g Reported SAR	Rear	0.431	1.010	0.573	1.283	0.392	0.838	0.193	0.193	1.283
	Front	1.106	2.593	1.177	2.635	1.235	2.640	0.092	0.092	2.640
	Top		0.000		0.000		0.000		0.000	0.000
	Left		0.000		0.000		0.000		0.000	0.000
	Bottom		0.000		0.000		0.000		0.000	0.000
	Right	1.106	2.593	1.177	2.635	1.235	2.640	0.322	0.322	2.640
Product Specific10g's ER	Rear		0.25		0.32		0.21		0.05	0.32
	Front		0.65		0.66		0.66		0.02	0.66
	Top		0.00		0.00		0.00		0.00	0.00
	Left		0.00		0.00		0.00		0.00	0.00
	Bottom		0.00		0.00		0.00		0.00	0.00
	Right		0.65		0.66		0.66		0.08	0.66

Antenna Group		AG1		AG1		AG1		AG1		AG1
Antenna		Ant.D+G		Ant.D+G		Ant.D+G		Ant.D+G		Ant.D+G
RF exposure	Test position	UNII 5.3GHz		UNII 5.5GHz		UNII 5.9GHz		UNII 6GHz		Highest Adjusted SAR & ER
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	
	Plimit (dBm)	18.0	20.7	18.0	20.5	18.0	21.5	13.0	13.0	
Product Specific10g Reported SAR	Rear	0.505	0.940	0.664	1.181	0.462	1.034	0.277	0.277	1.181
	Front	1.362	2.536	1.283	2.282	1.177	2.635	0.049	0.049	2.635
	Top	1.160	2.160	1.283	2.282	1.125	2.519	0.206	0.206	2.519
	Left		0.000		0.000		0.000		0.000	0.000
	Bottom		0.000		0.000		0.000		0.000	0.000
	Right	1.362	2.536	1.086	1.931	1.177	2.635	0.233	0.233	2.635
Product Specific10g's ER	Rear		0.24		0.30		0.26		0.07	0.30
	Front		0.63		0.57		0.66		0.01	0.66
	Top		0.54		0.57		0.63		0.05	0.63
	Left		0.00		0.00		0.00		0.00	0.00
	Bottom		0.00		0.00		0.00		0.00	0.00
	Right		0.63		0.48		0.66		0.06	0.66

Note(s):

Green value mean is highest reported SAR of initial SAR test procedure.

External Ratio(ER) Group : NFC, UWB

ER's Highest ER results

AG1's worst configuration

Antenna Group		AG1	AG1	AG1	AG1	AG1
Antenna		Ant.D	Ant.G	Ant.D+G	Ant.J	Highest Adjusted ER
RF exposure	Test position	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	
Product Specific 10-g	Rear	0.25	0.32	0.30	0.89	0.89
	Front	0.66	0.66	0.66	0.42	0.66
	Top	0.66	0.00	0.63	0.73	0.73
	Left	0.00	0.00	0.00	0.12	0.12
	Bottom	0.00	0.00	0.00	0.03	0.03
	Right	0.66	0.66	0.66	0.89	0.89

AG0 and AG1 summation results

Antenna Group		AG0	AG1	AG0 + AG1	FCC TER Limit
Antenna		All	All		
RF exposure	Test position	Highest Adjusted ER	Highest Adjusted ER		
Product Specific 10-g	Rear	0.00	0.89	0.89	1.0
	Front	0.00	0.66	0.66	
	Top	0.00	0.73	0.73	
	Left	0.00	0.12	0.12	
	Bottom	0.00	0.03	0.03	
	Right	0.00	0.89	0.89	

AG0+AG1+ER

RF Exposure	Test Position	Highest SAR of each groups (ER)				TER
		AG0	AG1	ER-NFC	ER-UWB	
Product Specific10-g	Rear	0.000	0.890	0.003	0.001	0.89
	Front	0.000	0.660	0.000	0.000	0.66
	Top	0.000	0.730	0.000	0.001	0.73
	Left	0.000	0.120	0.000	0.000	0.12
	Bottom	0.000	0.030			0.03
	Right	0.000	0.890		0.001	0.89

Note(s):

1. Additional evaluation is not required due to below FCC limit.
2. So SAR's simultaneous transmission value is $1.034 \text{ W/kg(ER:0.66)+0.010 W/kg(ER-NFC:0.003)+ 0.003W/kg(ER-UWB:0.001) = 1.047 W/kg}$ in Product Specific 10-g exposure condition.

Simultaneous transmission for PD : Maximum TER is 0.66 in Product Specific 10-g exposure condition.
 Simultaneous transmission for Sub6 : Maximum TER is 0.89 in Product Specific 10-g exposure condition.

12.2. Folder Opened (UMPC mini tablet) condition

12.2.1 Body(DSI=0) exposure TER analysis

Condition#1 (Sum of ERs)

Antenna Group : AG0 Ant.A+B, Ant.B, Ant.C, Ant.A

AG0's Highest ER results

RF exposure	Antenna	Test position	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		Highest Adjusted SAR & ER				
			GSM 850		WCDMA B5		LTE B71		LTE B12		LTE B13		LTE B14		LTE B26		LTE B5		NR Band n71		NR Band n12			NR Band n26		NR Band n5	
			Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)
		Plimit (dBm)	26.3	27.2	25.3	25.8	25.2	26.0	25.2	25.2	25.5	26.3	25.5	25.5	25.5	25.5	26.0	25.0	25.3	25.0	25.0	25.0	25.5	25.0	25.0	25.0	
Body SAR		Rear	0.779	0.959	0.722	0.810	0.449	0.540	0.536	0.536	0.509	0.612	0.661	0.795	0.541	0.541	0.739	0.829	0.490	0.525	0.524	0.524	0.722	0.810	0.700	0.700	
		Front	0.540	0.665	0.524	0.588	0.315	0.379	0.363	0.363	0.439	0.528	0.621	0.747	0.428	0.428	0.577	0.647	0.344	0.369	0.369	0.369	0.477	0.535	0.516	0.516	
		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	
		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	
		Bottom	0.213	0.262	0.212	0.238	0.255	0.307	0.243	0.243	0.296	0.356	0.245	0.295	0.242	0.242	0.220	0.247	0.216	0.231	0.260	0.260	0.305	0.342	0.351	0.351	
		Right	0.540	0.665	0.542	0.608	0.346	0.416	0.350	0.350	0.364	0.438	0.342	0.411	0.318	0.318	0.409	0.459	0.347	0.372	0.390	0.390	0.352	0.395	0.453	0.453	
Body ER		Rear	0.60		0.51		0.34		0.34		0.38		0.50		0.34		0.52		0.33		0.33		0.51		0.44	0.599	
		Front	0.42		0.37		0.24		0.23		0.33		0.47		0.27		0.40		0.23		0.23		0.33		0.32	0.467	
		Top	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	0.000	
		Left	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	0.000	
		Bottom	0.16		0.15		0.19		0.15		0.22		0.18		0.15		0.15		0.14		0.16		0.21		0.22	0.222	
		Right	0.42		0.38		0.26		0.22		0.27		0.26		0.20		0.29		0.23		0.24		0.25		0.28	0.416	

RF exposure	Antenna Group	Test position	AG0 Ant.B		AG0 Ant.B		AG0 Ant.B		AG0 Ant.B		AG0 Ant.B		AG0 Ant.B		AG0 Ant.B		AG0 Ant.B		AG0 Ant.B		AG0 Ant.B		Highest Adjusted SAR & ER				
			GSM 1900		WCDMA B4		WCDMA B2		LTE B66		LTE B25		LTE B30		LTE B7		LTE B41		NR Bn7		NR Bn66			NR Bn25		NR Bn30	
			Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)
		Plimit (dBm)	19.3	19.3	20.0	20.0	20.0	20.0	20.0	20.0	19.0	19.0	17.0	17.0	19.0	19.0	16.0	16.0	19.0	19.0	20.0	20.0	19.0	19.0	17.0	17.0	
Body SAR		Rear	0.746	0.746	0.508	0.508	0.779	0.779	0.719	0.719	0.750	0.750	0.546	0.546	0.692	0.692	0.361	0.361	0.592	0.592	0.718	0.718	0.713	0.713	0.469	0.469	
		Front	0.299	0.299	0.364	0.364	0.395	0.395	0.602	0.602	0.417	0.417	0.434	0.434	0.342	0.342	0.262	0.262	0.390	0.390	0.347	0.347	0.431	0.431	0.260	0.260	
		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	
		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	0.794	0.794	0.863	0.863	1.027	1.027	0.830	0.830	1.018	1.018	0.724	0.724	1.139	1.139	0.993	0.993	1.010	1.010	0.839	0.839	1.106	1.106	0.759	0.759	
		Right	0.242	0.242	0.203	0.203	0.262	0.262	0.185	0.185	0.216	0.216	0.091	0.091	0.109	0.109	0.082	0.082	0.109	0.109	0.227	0.227	0.264	0.264	0.107	0.107	
Body ER		Rear	0.47		0.32		0.49		0.45		0.47		0.34		0.43		0.23		0.37		0.45		0.45		0.29	0.487	
		Front	0.19		0.23		0.25		0.38		0.26		0.27		0.21		0.16		0.24		0.22		0.27		0.16	0.376	
		Top	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	0.000	
		Left	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	0.000	
		Bottom	0.50		0.54		0.64		0.52		0.64		0.45		0.71		0.62		0.63		0.52		0.69		0.67	0.712	
		Right	0.15		0.13		0.16		0.12		0.14		0.06		0.07		0.05		0.07		0.14		0.16		0.07	0.165	

RF exposure	Antenna Group	Test position	AG0 Ant.B		AG0 Ant.B	
			NR Bn70		NR Bn41 SRS	
			Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)
		Plimit (dBm)	20.0	20.0	17.5	17.5
Body SAR		Rear	0.572	0.572	0.452	0.452
		Front	0.388	0.388	0.296	0.296
		Top	0.000		0.000	
		Left	0.000		0.000	
		Bottom	0.662	0.662	0.732	0.732
		Right	0.147	0.147	0.082	0.082
Body ER		Rear	0.36		0.28	
		Front	0.24		0.18	
		Top	0.00		0.00	
		Left	0.00		0.00	
		Bottom	0.41		0.49	
		Right	0.09		0.05	

RF exposure	Antenna Group	Test position	AG0 Ant.C		AG0 Ant.C		Highest Adjusted SAR & ER
			NR Bn48 SRS1		NR Bn41 SRS		
			Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	
		Plimit (dBm)	15.0	15.0	13.0	13.0	15.0
Body SAR		Rear	0.117	0.117	0.096	0.096	0.119
		Front	0.096	0.096	0.069	0.069	0.131
		Top	0.000		0.000		0.000
		Left	0.000		0.000		0.000
		Bottom	0.186	0.186	0.145	0.145	0.462
		Right	0.000		0.000		0.000
Body ER		Rear	0.07		0.06		0.07
		Front	0.06		0.04		0.08
		Top	0.00		0.00		0.00
		Left	0.00		0.00		0.00
		Bottom	0.12		0.09		0.29
		Right	0.00		0.00		0.00

RF exposure	Antenna Group	Test position	AG0 Ant.A		AG0 Ant.A		Highest Adjusted SAR & ER
			NR Bn48 SRS3		NR Bn77 SRS3		
			Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	
		Plimit (dBm)	15.0	15.0	15.0	15.0	15.0
Body SAR		Rear	0.117	0.117	0.072	0.072	0.117
		Front	0.098	0.098	0.055	0.055	0.098
		Top	0.000		0.000		0.000
		Left	0.000		0.000		0.000
		Bottom	0.157	0.157	0.085	0.085	0.157
		Right	0.286	0.286	0.217	0.217	0.286
Body ER		Rear	0.07		0.05		0.073
		Front	0.06		0.03		0.061
		Top	0.00		0.00		0.000
		Left	0.00		0.00		0.000
		Bottom	0.10		0.05		0.098
		Right	0.18		0.14		0.179

Antenna Group : AG1 Ant.D, Ant.E, Ant.F, Ant.G, Ant.G+F, Ant.G+D
AG1's Highest ER results

Antenna Group		AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1									
Antenna		Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	Ant.D									
RF exposure	Test position	GSM 850		WCDMA B5		LTE B71		LTE B12		LTE B13		LTE B14		LTE B26		LTE B5		NR Band n71		NR Band n12		NR Band n26		NR Band n5		Highest Adjusted SAR & ER	
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)		
	Plimit (dBm)	26.3	27.2	25.3	25.8	25.2	26.0	25.2	25.2	25.5	26.3	25.5	26.3	25.5	25.5	25.5	26.0	25.0	25.3	25.0	25.0	25.5	25.0	25.5	25.0	25.0	
Body SAR	Rear	0.457	0.563	0.519	0.582	0.382	0.459	0.349	0.349	0.373	0.448	0.375	0.451	0.465	0.465	0.520	0.583	0.349	0.374	0.363	0.363	0.405	0.454	0.450	0.450	0.718	
	Front	0.424	0.521	0.332	0.373	0.351	0.422	0.284	0.284	0.276	0.332	0.293	0.352	0.298	0.298	0.352	0.395	0.270	0.289	0.234	0.234	0.316	0.355	0.365	0.365	0.702	
	Top	0.245	0.301	0.238	0.267	0.258	0.310	0.296	0.296	0.181	0.218	0.241	0.290	0.208	0.208	0.179	0.201	0.169	0.181	0.309	0.309	0.148	0.166	0.277	0.277	0.718	
	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	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
	Right	0.242	0.297	0.285	0.320	0.319	0.384	0.339	0.339	0.258	0.310	0.287	0.345	0.335	0.335	0.272	0.305	0.156	0.167	0.359	0.359	0.130	0.146	0.296	0.296	0.450	
Body ER	Rear	0.35	0.36		0.29		0.22		0.22		0.28		0.28		0.29		0.36		0.23		0.23		0.28		0.28	0.449	
	Front	0.33	0.23	0.26	0.18	0.18	0.18	0.21	0.21	0.14	0.18	0.13	0.13	0.13	0.11	0.11	0.19	0.15	0.18	0.15	0.15	0.22	0.22	0.23	0.439		
	Top	0.19	0.17	0.19	0.19	0.19	0.19	0.14	0.14	0.18	0.13	0.13	0.13	0.13	0.11	0.11	0.19	0.10	0.11	0.11	0.19	0.10	0.10	0.17	0.449		
	Left	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
	Bottom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
	Right	0.19	0.20	0.24	0.24	0.21	0.19	0.19	0.19	0.22	0.22	0.21	0.21	0.19	0.19	0.10	0.10	0.22	0.22	0.09	0.09	0.19	0.19	0.281	0.281	0.281	

Antenna Group		AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	
Antenna		Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	Ant.D	
RF exposure	Test position	WiFi 5.2G SISO		WiFi 5.5G SISO		WiFi 5.8G SISO		WiFi 5.9G SISO		WiFi 6G SISO	
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)
	Plimit (dBm)	18.0	21.8	18.0	23.1	18.0	21.0	18.0	19.5	11.0	11.0
Body SAR	Rear	0.123	0.296	0.222	0.718	0.170	0.339	0.200	0.283	0.162	0.162
	Front	0.090	0.216	0.217	0.702	0.182	0.363	0.275	0.388	0.052	0.052
	Top	0.172	0.413	0.222	0.718	0.199	0.397	0.296	0.418	0.045	0.045
	Left	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
	Right	0.172	0.413	0.139	0.450	0.138	0.275	0.104	0.147	0.048	0.048
Body ER	Rear	0.18	0.45	0.21	0.18	0.18	0.10	0.10	0.10	0.03	0.03
	Front	0.13	0.44	0.23	0.24	0.24	0.03	0.03	0.03	0.03	0.03
	Top	0.26	0.45	0.25	0.26	0.26	0.03	0.03	0.03	0.03	0.03
	Left	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Bottom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Right	0.26	0.28	0.17	0.09	0.09	0.03	0.03	0.03	0.03	0.03

Antenna Group		AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1							
Antenna		Ant.E	Ant.E	Ant.E	Ant.E	Ant.E	Ant.E	Ant.E	Ant.E	Ant.E	Ant.E	Ant.E	Ant.E	Ant.E	Ant.E	Ant.E	Ant.E	Ant.E	Ant.E							
RF exposure	Test position	LTE B66		LTE B25		LTE B30		LTE B7		LTE B41		LTE B48		NR Bn7		NR Bn66		NR Bn25		NR Bn30		NR Bn70		NR Bn48		Highest Adjusted SAR & ER
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	
	Plimit (dBm)	21.0	21.0	21.0	21.0	20.0	20.0	20.0	20.0	19.5	19.5	18.5	18.5	20.0	20.0	21.0	21.0	21.0	21.0	20.0	20.0	22.0	22.0	17.0	17.0	
Body SAR	Rear	0.575	0.575	0.472	0.472	0.844	0.844	0.439	0.439	0.416	0.416	0.812	0.812	0.773	0.773	0.726	0.726	0.550	0.550	0.778	0.778	0.735	0.735	0.655	0.655	0.844
	Front	0.477	0.477	0.313	0.313	0.832	0.832	0.230	0.230	0.327	0.327	0.255	0.255	0.381	0.381	0.356	0.356	0.243	0.243	0.468	0.468	0.418	0.418	0.204	0.204	0.832
	Top	0.630	0.630	0.588	0.588	0.990	0.990	0.759	0.759	0.749	0.749	0.985	0.985	0.803	0.803	0.782	0.782	0.636	0.636	0.916	0.916	0.986	0.986	0.786	0.786	0.995
	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	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	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Body ER	Rear	0.36	0.30	0.53	0.27	0.26	0.51	0.48	0.48	0.45	0.45	0.34	0.34	0.49	0.49	0.46	0.46	0.41	0.41	0.527	0.527	0.41	0.41	0.527	0.527	
	Front	0.30	0.20	0.52	0.14	0.20	0.16	0.24	0.24	0.22	0.22	0.15	0.15	0.29	0.29	0.26	0.26	0.13	0.13	0.520	0.520	0.13	0.13	0.520	0.520	
	Top	0.39	0.37	0.62	0.47	0.47	0.62	0.50	0.50	0.49	0.49	0.40	0.40	0.57	0.57	0.62	0.62	0.49	0.49	0.622	0.622	0.49	0.49	0.622	0.622	
	Left	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
	Bottom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
	Right	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	

Antenna Group		AG1	AG1		
Antenna		Ant.E	Ant.E		
RF exposure	Test position	NR Bn41		NR Bn77	
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)
	Plimit (dBm)	20.0	20.0	18.0	18.0
Body SAR	Rear	0.518	0.518	0.563	0.563
	Front	0.295	0.295	0.329	0.329
	Top	0.638	0.638	0.716	0.716
	Left	0.000	0.000	0.000	0.000
	Bottom	0.000	0.000	0.000	0.000
	Right	0.000	0.000	0.000	0.000
Body ER	Rear	0.32	0.35		
	Front	0.18	0.21		
	Top	0.40	0.45		
	Left	0.00	0.00		
	Bottom	0.00	0.00		
	Right	0.00	0.00		

Antenna Group		AG1		AG1		AG1		AG1		AG1
Antenna		Ant.F		Ant.F		Ant.F		Ant.F		Ant.F
RF exposure	Test position	NR Bn48 SRS2		NR Bn77 SRS2		WiFi 2.4G SISO		BT SISO		Highest Adjusted SAR & ER
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	
	Plimit (dBm)	15.0	15.0	15.0	15.0	18.0	18.0	19.5	20.8	
Body SAR	Rear	0.159	0.159	0.250	0.250	0.537	0.537	0.372	0.502	0.537
	Front	0.044	0.044	0.128	0.128	0.125	0.125	0.130	0.175	0.175
	Top	0.190	0.190	0.289	0.289	0.431	0.431	0.365	0.492	0.492
	Left		0.000		0.000		0.000		0.000	0.000
	Bottom		0.000		0.000		0.000		0.000	0.000
	Right	0.021	0.021	0.041	0.041	0.055	0.055	0.058	0.078	0.078
Body ER	Rear		0.10		0.16		0.34		0.31	0.336
	Front		0.03		0.08		0.08		0.11	0.110
	Top		0.12		0.18		0.27		0.31	0.308
	Left		0.00		0.00		0.00		0.00	0.000
	Bottom		0.00		0.00		0.00		0.00	0.000
	Right		0.01		0.03		0.03		0.05	0.049

Antenna Group		AG1		AG1		AG1		AG1		AG1		AG1		AG1		AG1		AG1
Antenna		Ant.G		Ant.G		Ant.G		Ant.G		Ant.G		Ant.G		Ant.G		Ant.G		Ant.G
RF exposure	Test position	NR Bn41 SRS2		WiFi 2.4G SISO		BT SISO		WiFi 5.2G SISO		WiFi 5.5G SISO		WiFi 5.8G SISO		WiFi 5.9G SISO		WiFi 6G SISO		Highest Adjusted SAR & ER
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	
	Plimit (dBm)	13.0	13.0	18.0	18.0	19.5	21.9	18.0	20.8	18.0	18.8	18.0	18.3	18.0	22.4	11.0	11.0	
Body SAR	Rear	0.072	0.072	0.377	0.377	0.315	0.547	0.271	0.517	0.135	0.162	0.250	0.268	0.281	0.774	0.021	0.021	0.774
	Front	0.068	0.068	0.484	0.484	0.310	0.539	0.166	0.315	0.209	0.251	0.352	0.377	0.275	0.757	0.161	0.161	0.757
	Top		0.000		0.000		0.000		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		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
	Right	0.047	0.047	0.548	0.548	0.371	0.645	0.250	0.476	0.278	0.334	0.352	0.377	0.249	0.686	0.108	0.108	0.686
Body ER	Rear		0.04		0.24		0.34		0.32		0.10		0.17		0.48		0.01	0.484
	Front		0.04		0.30		0.34		0.20		0.16		0.24		0.47		0.10	0.473
	Top		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	0.000
	Left		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	0.000
	Bottom		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00	0.000
	Right		0.03		0.34		0.40		0.30		0.21		0.24		0.43		0.07	0.429

Antenna Group		AG1		AG1		AG1
Antenna		Ant.G+F		Ant.G+F		Ant.G+F
RF exposure	Test position	WiFi 2.4G MIMO		BT MIMO		Highest Adjusted SAR & ER
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	
	Plimit (dBm)	18.0	18.0	15.5	20.2	
Body SAR	Rear	0.496	0.496	0.159	0.469	0.496
	Front	0.193	0.193	0.095	0.280	0.280
	Top	0.505	0.505	0.081	0.239	0.505
	Left		0.000		0.000	0.000
	Bottom		0.000		0.000	0.000
	Right	0.338	0.338	0.113	0.333	0.338
Body ER	Rear		0.31		0.29	0.310
	Front		0.12		0.18	0.175
	Top		0.32		0.15	0.316
	Left		0.00		0.00	0.000
	Bottom		0.00		0.00	0.000
	Right		0.21		0.21	0.211

Antenna Group		AG1		AG1		AG1		AG1		AG1		AG1
Antenna		Ant.G+D		Ant.G+D		Ant.G+D		Ant.G+D		Ant.G+D		Ant.G+D
RF exposure	Test position	WiFi 5.2G MIMO		WiFi 5.5G MIMO		WiFi 5.8G MIMO		WiFi 5.9G MIMO		WiFi 6G MIMO		Highest Adjusted SAR & ER
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	Reported SAR (W/kg)	Adjusted SAR (W/kg)	
	Plimit (dBm)	18.0	21.0	18.0	19.8	18.0	19.8	18.0	19.2	11.0	11.0	
Body SAR	Rear	0.356	0.710	0.291	0.440	0.322	0.487	0.371	0.489	0.252	0.252	0.710
	Front	0.344	0.686	0.418	0.633	0.188	0.285	0.348	0.459	0.169	0.169	0.686
	Top	0.130	0.259	0.503	0.761	0.459	0.695	0.519	0.684	0.121	0.121	0.761
	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	0.360	0.718	0.503	0.761	0.459	0.695	0.496	0.654	0.094	0.094	0.761
Body ER	Rear		0.44		0.28		0.30		0.31		0.16	0.444
	Front		0.43		0.40		0.18		0.29		0.11	0.429
	Top		0.16		0.48		0.43		0.43		0.08	0.476
	Left		0.00		0.00		0.00		0.00		0.00	0.000
	Bottom		0.00		0.00		0.00		0.00		0.00	0.000
	Right		0.45		0.48		0.43		0.41		0.06	0.476

Summation of AG0 and AG1

AG0's worst configuration

Antenna Group		AG0	AG0	AG0	AG0	AG0
Antenna		Ant.A+B	Ant.B	Ant.C	Ant.A	Highest
RF exposure	Test position	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER
Body	Rear	0.60	0.49	0.07	0.07	0.60
	Front	0.47	0.38	0.08	0.06	0.47
	Top	0.00	0.00	0.00	0.00	0.00
	Left	0.00	0.00	0.00	0.00	0.00
	Bottom	0.22	0.71	0.29	0.10	0.71
	Right	0.42	0.16	0.00	0.18	0.42

AG1's worst configuration

Antenna Group		AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1
Antenna		Ant.D	Ant.E	Ant.F	Ant.G	Ant.G+F	Ant.G+D	Ant.J(mmW)	Highest
RF exposure	Test position	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER
Body	Rear	0.45	0.53	0.34	0.48	0.31	0.44	0.26	0.53
	Front	0.44	0.52	0.11	0.47	0.18	0.43	0.43	0.52
	Top	0.45	0.62	0.31	0.00	0.32	0.48	0.43	0.62
	Left	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
	Bottom	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03
	Right	0.28	0.00	0.05	0.43	0.21	0.48	0.57	0.57

AG0 and AG1 summation results

Antenna Group		AG0	AG1	AG0 + AG1	FCC TER Limit
Antenna		All	All		
RF exposure	Test position	Highest Adjusted ER	Highest Adjusted ER		
Body	Rear	0.60	0.53	1.13	1.0
	Front	0.47	0.52	0.99	
	Top	0.00	0.62	0.62	
	Left	0.00	0.01	0.01	
	Bottom	0.71	0.03	0.74	
	Right	0.42	0.57	0.98	

Note(s):

For Rear positions, additional TER calculation is required for each Bands/antennas.

Summation of each antennas of AG0 and each antennas of AG1

AG0(Each antennas) and AG1(Each antennas) summation results

Positions	AG0		AG1		AG0+AG1	Note
	Antenna	ER	Antenna	ER		
Rear 10mm	Ant.A+B	0.60	Ant.D	0.45	1.05	1
		0.60	Ant.E	0.53	1.13	1
		0.60	Ant.F	0.34	0.94	
		0.60	Ant.G	0.48	1.08	1
		0.60	Ant.G+F	0.31	0.91	
		0.60	Ant.G+D	0.44	1.04	1
		0.60	Ant.J(mmW)	0.26	0.86	
	Ant.B	0.49	Ant.D	0.45	0.94	
		0.49	Ant.E	0.53	1.01	1
		0.49	Ant.F	0.34	0.82	
		0.49	Ant.G	0.48	0.97	
		0.49	Ant.G+F	0.31	0.80	
		0.49	Ant.G+D	0.44	0.93	
		0.49	Ant.J(mmW)	0.26	0.75	
	Ant.C	0.07	Ant.D	0.45	0.52	
		0.07	Ant.E	0.53	0.60	
		0.07	Ant.F	0.34	0.41	
		0.07	Ant.G	0.48	0.56	
		0.07	Ant.G+F	0.31	0.38	
		0.07	Ant.G+D	0.44	0.52	
		0.07	Ant.J(mmW)	0.26	0.34	
	Ant.A	0.07	Ant.D	0.45	0.52	
		0.07	Ant.E	0.53	0.60	
		0.07	Ant.F	0.34	0.41	
		0.07	Ant.G	0.48	0.56	
		0.07	Ant.G+F	0.31	0.38	
		0.07	Ant.G+D	0.44	0.52	
		0.07	Ant.J(mmW)	0.26	0.34	

Note(s):

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

1. Need to SPLSR criteria
2. Need to SDOTER criteria

Condition#2 (SPLSR)

AG0(Sub6) & AG1(Sub6) SPLSR combinations

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

Positions	Antenna Group	Antenna	Bands	Adjusted ER	Adjusted SAR (W/kg)	Y-axis(mm) from ERP point	SPLSR (Y/N)	Antenna Group	Antenna	Bands	Adjusted ER	Adjusted SAR (W/kg)	Y-axis(mm) from ERP point	SPLSR (Y/N)			
Rear -10mm	AG0	Ant.A+B	GSM 850	0.60	0.959	71.8	Y	AG1	Ant.D	GSM 850	0.35	0.563		N			
			WCDMA B5	0.51	0.810	71.8	Y			WCDMA B5	0.36	0.582		N			
			LTE B71	0.34	0.540		N			LTE B71	0.29	0.459		N			
			LTE B12	0.34	0.536		N			LTE B12	0.22	0.349		N			
			LTE B13	0.38	0.612		N			LTE B13	0.28	0.448		N			
			LTE B14	0.50	0.795	73.5	Y			LTE B14	0.28	0.451		N			
			LTE B26	0.34	0.541		N			LTE B26	0.29	0.465		N			
			LTE B5	0.52	0.829	72.5	Y			LTE B5	0.36	0.583		N			
			NR Bn71	0.33	0.525		N			NR Bn71	0.23	0.374		N			
			NR Bn12	0.33	0.524		N			NR Bn12	0.23	0.363		N			
		NR Bn26	0.51	0.722	74.0	Y	NR Bn26			0.28	0.454		N				
		NR Bn5	0.44	0.700		N	NR Bn5			0.28	0.450		N				
		Worst configuration	0.60	0.959	71.8		Worst configuration			0.18	0.296		N				
							WiFi 5.2GHz			0.45	0.718	-71.0	Y				
							WiFi 5.5GHz			0.21	0.339		N				
							WiFi 5.8GHz			0.18	0.283		N				
							WiFi 5.9GHz			0.10	0.162		N				
							Worst configuration			0.45	0.718	-71.0					
			Ant.B	GSM 1900	0.47	0.746	78.9			Y	AG1	Ant.E	LTE B66	0.36	0.575		N
				WCDMA B4	0.32	0.508				N			LTE B25	0.30	0.472		N
		WCDMA B2		0.49	0.779	78.4	Y	LTE B30	0.53	0.844			-81.0	Y			
		LTE B66		0.45	0.719		N	LTE B7	0.27	0.439				N			
		LTE B25		0.47	0.750	78.9	Y	LTE B41	0.26	0.416				N			
		LTE B30		0.34	0.546		N	LTE B48	0.51	0.812			-76.5	Y			
		LTE B7		0.43	0.692		N	NR Bn7	0.48	0.773			-65.0	Y			
		LTE B41		0.23	0.361		N	NR Bn66	0.45	0.726			-78.1	Y			
		NR Bn7		0.37	0.592		N	NR Bn25	0.34	0.550				N			
		NR Bn66		0.45	0.718		N	NR Bn30	0.49	0.778				Y			
		NR Bn25		0.45	0.713		N	NR Bn70	0.46	0.735			-78.6	Y			
		NR Bn30		0.29	0.489		N	NR Bn48	0.41	0.655			-72.6	Y			
		NR Bn70		0.36	0.572		N	NR Bn41	0.32	0.518				N			
		NR Bn41 SRS		0.28	0.452		N	NR Bn77	0.35	0.563				N			
		Worst configuration		0.49	0.779	78.4		Worst configuration	0.53	0.844			-65.0				
								NR Bn41 SRS2	0.04	0.072				N			
							WiFi 2.4G	0.24	0.377		N						
							BT	0.34	0.547		N						
							WiFi 5.2GHz	0.32	0.517		N						
							WiFi 5.5GHz	0.10	0.162		N						
							WiFi 5.8GHz	0.27	0.268		N						
							WiFi 5.9GHz	0.77	0.774	-25.0	Y						
							WiFi 6GHz	0.01	0.021		N						
							Worst configuration	0.77	0.774	-25.0							
		AG1	Ant.G+D	WiFi 5.2GHz MIMO	0.44	0.710	-28.0	Y	AG1	Ant.G	WiFi 5.5GHz	0.10	0.162		N		
				WiFi 5.5GHz MIMO	0.28	0.440		N			WiFi 5.8GHz	0.27	0.268		N		
				WiFi 5.8GHz MIMO	0.30	0.487		N			WiFi 5.9GHz	0.77	0.774	-25.0	Y		
				WiFi 5.9GHz MIMO	0.31	0.489		N			WiFi 6GHz	0.01	0.021		N		
	WiFi 6GHz MIMO			0.16	0.252		N	Worst configuration			0.44	0.710	-28.0				

AG0(Sub6) & AG1(Sub6) SPLSR calculation results

No.	Antenna pairs		AG0		AG1		AG0+AG1 SUM SAR (W/kg)	SPLSR Results
	AG0	AG1	SAR (W/kg)	Y-axis (mm)	SAR (W/kg)	Y-axis (mm)		
1	Ant. A+B	Ant. D	0.959	71.8	0.718	-71.0	1.677	0.02
2	Ant. A+B	Ant. E	0.959	71.8	0.844	-65.0	1.803	0.02
3	Ant. A+B	Ant. G	0.959	71.8	0.774	-25.0	1.733	0.02
4	Ant. A+B	Ant. G+D	0.959	71.8	0.710	-28.0	1.669	0.02
5	Ant. B	Ant. E	0.779	78.4	0.844	-65.0	1.623	0.01

Note(s):

1. Worst combinations SPLSR criteria results is not over 0.04 (1-g SAR) in Sub6 antenna configurations. So additional test is not required.
2. Worst Simultaneous transmission results are below;

Simultaneous transmission for Sub6 : Maximum TER is 0.99 in Hotspot exposure condition.

So SAR's simultaneous transmission value is 0.747 W/kg(ER:0.47)+0.832 W/kg(ER:0.52) = 1.579 W/kg.

Antenna Group : AG1 Ant.D, Ant.E, Ant.F, Ant.G, Ant.G+F, Ant.G+D

AG1's Highest ER results

Table with 20 columns for Antenna (Ant.D to Ant.D) and 20 columns for RF exposure (Test position, Reported SAR, Adjusted SAR, etc.). Rows include Plimit, SAR (Rear, Front, Top, Left, Bottom, Right), and ER (Rear, Front, Top, Left, Bottom, Right).

Table with 6 columns for Antenna (AG1) and 6 columns for RF exposure (WiFi 5.2G SISO, WiFi 5.5G SISO, WiFi 5.8G SISO, WiFi 5.9G SISO, WiFi 6G SISO). Rows include SAR and ER data.

Table with 14 columns for Antenna (AG1) and 14 columns for RF exposure (LTE B66, LTE B25, LTE B30, LTE B7, LTE B41, LTE B48, NR Bn7, NR Bn6, NR Bn5, NR Bn3, NR Bn2, NR Bn48). Rows include SAR and ER data.

Table with 4 columns for Antenna (NR Bn41, NR Bn77) and 4 columns for RF exposure. Rows include SAR and ER data.

Table with 6 columns for Antenna (Ant.F, Ant.F, Ant.F, Ant.F, Ant.F) and 6 columns for RF exposure (NR Bn48 SRS2, NR Bn77 SRS2, WiFi 2.4G SISO, BT SISO). Rows include SAR and ER data.

Table with 11 columns for Antenna (Ant.G, Ant.G, Ant.G, Ant.G, Ant.G, Ant.G, Ant.G, Ant.G, Ant.G, Ant.G) and 11 columns for RF exposure (NR Bn41 SRS2, WiFi 2.4G SISO, BT SISO, WiFi 5.2G SISO, WiFi 5.8G SISO, WiFi 5.9G SISO, WiFi 6G SISO). Rows include SAR and ER data.

Table with 4 columns for Antenna (Ant.G+F, Ant.G+F, Ant.G+F) and 4 columns for RF exposure (WiFi 2.4G MIMO, BT MIMO). Rows include SAR and ER data.

Table with 6 columns for Antenna (Ant.G+D, Ant.G+D, Ant.G+D, Ant.G+D, Ant.G+D) and 6 columns for RF exposure (WiFi 5.2G MIMO, WiFi 5.5G MIMO, WiFi 5.8G MIMO, WiFi 5.9G MIMO, WiFi 6G MIMO). Rows include SAR and ER data.

External Ratio(ER) Group : NFC, UWB

ER's Highest ER results

Antenna		NFC	UWB	NFC, UWB
RF exposure	Test position	Reported SAR (W/kg)	Reported SAR (W/kg)	Highest Adjusted
Body SAR	Rear	0.012	0.001	0.012
	Front	0.000	0.000	0.000
	Top	0.000	0.000	0.000
	Left			0.000
	Bottom			0.000
	Right		0.000	0.000
Body ER	Rear	0.00	0.00	0.003
	Front	0.00	0.00	0.00
	Top	0.00	0.00	0.00
	Left	0.00	0.00	0.00
	Bottom	0.00	0.00	0.00
	Right	0.00	0.00	0.00

Summation of AG0 and AG1 and ERs

AG0's worst configuration

Antenna Group		AG0	AG0	AG0	AG0	AG0
Antenna		Ant.A+B	Ant.B	Ant.C	Ant.A	Highest
RF exposure	Test position	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER
Extremity	Rear	0.43	0.42	0.19	0.04	0.43
	Front	0.50	0.40	0.18	0.07	0.50
	Top	0.00	0.00	0.00	0.00	0.00
	Left	0.00	0.00	0.00	0.00	0.00
	Bottom	0.28	0.78	0.50	0.25	0.78
	Right	0.54	0.20	0.00	0.15	0.54

AG1's worst configuration

Antenna Group		AG1	AG1	AG1	AG1	AG1	AG1	AG1	AG1
Antenna		Ant.D	Ant.E	Ant.F	Ant.G	Ant.G+F	Ant.G+D	Ant.J(mmW)	Highest
RF exposure	Test position	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER	Adjusted ER
Extremity	Rear	0.27	0.44	0.28	0.36	0.28	0.22	0.56	0.56
	Front	0.46	0.51	0.24	0.46	0.46	0.45	0.85	0.85
	Top	0.59	0.78	0.63	0.00	0.56	0.46	0.70	0.78
	Left	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
	Bottom	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03
	Right	0.49	0.00	0.04	0.47	0.26	0.46	0.89	0.89

AG0 and AG1 summation results

Antenna Group		AG0	AG1	ER	AG0 + AG1	FCC TER Limit
Antenna		All	All			
RF exposure	Test position	Highest Adjusted ER	Highest Adjusted ER	Highest Adjusted ER		
Extremity	Rear	0.43	0.56	0.003	0.99	1.0
	Front	0.50	0.85	0.00	1.35	
	Top	0.00	0.78	0.00	0.78	
	Left	0.00	0.01	0.00	0.01	
	Bottom	0.78	0.03	0.00	0.81	
	Right	0.54	0.89	0.00	1.44	

Note(s):

For Front/Right positions, additional TER calculation is required for each Bands/antennas.

Summation of each antennas of AG0 and each antennas of AG1 and ERs

AG0(Each antennas) and AG1(Each antennas) summation results

Positions	AG0		AG1		AG0+AG1	Note
	Antenna	ER	Antenna	ER		
Front 0mm	Ant.A+B	0.50	Ant.D	0.46	0.96	
		0.50	Ant.E	0.51	1.01	1
		0.50	Ant.F	0.24	0.74	
		0.50	Ant.G	0.46	0.96	
		0.50	Ant.G+F	0.46	0.96	
		0.50	Ant.G+D	0.45	0.95	
		0.50	Ant.J(mmW)	0.85	1.35	2
	Ant.B	0.40	Ant.D	0.46	0.86	
		0.40	Ant.E	0.51	0.91	
		0.40	Ant.F	0.24	0.64	
		0.40	Ant.G	0.46	0.86	
		0.40	Ant.G+F	0.46	0.86	
		0.40	Ant.G+D	0.45	0.85	
		0.40	Ant.J(mmW)	0.85	1.25	2
	Ant.C	0.18	Ant.D	0.46	0.64	
		0.18	Ant.E	0.51	0.69	
		0.18	Ant.F	0.24	0.42	
		0.18	Ant.G	0.46	0.64	
		0.18	Ant.G+F	0.46	0.64	
		0.18	Ant.G+D	0.45	0.63	
		0.18	Ant.J(mmW)	0.85	1.03	2
	Ant.A	0.07	Ant.D	0.46	0.53	
		0.07	Ant.E	0.51	0.58	
		0.07	Ant.F	0.24	0.31	
0.07		Ant.G	0.46	0.52		
0.07		Ant.G+F	0.46	0.52		
0.07		Ant.G+D	0.45	0.52		
	0.07	Ant.J(mmW)	0.85	0.92		

Note.1 = SPLSR criteria, Note.2 = SDOTER criteria

AG0(Each antennas) and AG1(Each antennas) summation results

Positions	AG0		AG1		AG0+AG1	Note
	Antenna	ER	Antenna	ER		
Righ 0mmt	Ant.A+B	0.54	Ant.D	0.49	1.03	1
		0.54	Ant.E	0.00	0.54	
		0.54	Ant.F	0.04	0.58	
		0.54	Ant.G	0.47	1.01	1
		0.54	Ant.G+F	0.26	0.81	
		0.54	Ant.G+D	0.46	1.01	1
		0.54	Ant.J(mmW)	0.89	1.44	2
	Ant.B	0.20	Ant.D	0.49	0.69	
		0.20	Ant.E	0.00	0.20	
		0.20	Ant.F	0.04	0.24	
		0.20	Ant.G	0.47	0.66	
		0.20	Ant.G+F	0.26	0.46	
		0.20	Ant.G+D	0.46	0.66	
		0.20	Ant.J(mmW)	0.89	1.09	2
	Ant.C	0.00	Ant.D	0.49	0.49	
		0.00	Ant.E	0.00	0.00	
		0.00	Ant.F	0.04	0.04	
		0.00	Ant.G	0.47	0.47	
		0.00	Ant.G+F	0.26	0.26	
		0.00	Ant.G+D	0.46	0.46	
		0.00	Ant.J(mmW)	0.89	0.89	
	Ant.A	0.15	Ant.D	0.49	0.64	
		0.15	Ant.E	0.00	0.15	
		0.15	Ant.F	0.04	0.19	
0.15		Ant.G	0.47	0.62		
0.15		Ant.G+F	0.26	0.41		
0.15		Ant.G+D	0.46	0.62		
	0.15	Ant.J(mmW)	0.89	1.04	2	

Note(s):

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

1. Need to SPLSR criteria
2. Need to SDOTER criteria

Condition#2 (Sum-SPLSR)

AG0(Sub6) & AG1(Sub6)+ERs Sum-SPLSR combinations

Positions	Antenna Group	Antenna	Bands	Adjusted ER	Adjusted SAR (W/kg)	Y-axis(mm) from ERP point	SPLSR (Y/N)	Antenna Group	Antenna	Bands	Adjusted ER	Adjusted SAR (W/kg)	Y-axis(mm) from ERP point	SPLSR (Y/N)
Front -0mm	AG0	Ant.A+B	GSM 850	0.49	1.942	64.0	Y	AG1	Ant.E	LTE B66	0.31	1.224		N
			WCDMA B5	0.36	1.460		N			LTE B25	0.28	1.110		N
			LTE B71	0.50	2.005	77.0	Y			LTE B30	0.51	2.048	-78.4	Y
			LTE B12	0.35	1.410		N			LTE B7	0.14	0.565		N
			LTE B13	0.30	1.183		N			LTE B41	0.20	0.807		N
			LTE B14	0.38	1.504		N			LTE B48	0.28	1.126		N
			LTE B26	0.50	1.999	43.5	Y			NR Bn7	0.27	1.064		N
			LTE B5	0.45	1.783		N			NR Bn66	0.23	0.933		N
			NR Bn71	0.40	1.604		N			NR Bn25	0.18	0.703		N
			NR Bn12	0.36	1.447		N			NR Bn30	0.32	1.277		N
			NR Bn26	0.49	1.969	43.5	Y			NR Bn70	0.28	1.110		N
			NR Bn5	0.39	1.556		N			NR Bn48	0.27	1.096		N
			NR Bn41	0.24	0.947		N			NR Bn77	0.34	1.340		N
			Worst configuration	0.50	2.005	43.5				Worst configuration	0.51	2.048	-78.4	

Positions	Antenna Group	Antenna	Bands	Adjusted ER	Adjusted SAR (W/kg)	Y-axis(mm) from ERP point	SPLSR (Y/N)	Antenna Group	Antenna	Bands	Adjusted ER	Adjusted SAR (W/kg)	Y-axis(mm) from ERP point	SPLSR (Y/N)				
Right -0mm	AG0	Ant.A+B	GSM 850	0.45	1.820		N	AG1	Ant.D	GSM 850	0.28	1.130		N				
			WCDMA B5	0.50	2.015		N			WCDMA B5	0.22	0.895		N				
			LTE B71	0.46	1.841		N			LTE B71	0.49	1.960	-39.3	Y				
			LTE B12	0.51	2.039	44.5	Y			LTE B12	0.40	1.595		N				
			LTE B13	0.52	2.072	40.0	Y			LTE B13	0.34	1.369		N				
			LTE B14	0.52	2.076	44.0	Y			LTE B14	0.31	1.241		N				
			LTE B26	0.42	1.668		N			LTE B26	0.24	0.950		N				
			LTE B5	0.48	1.922		N			LTE B5	0.23	0.909		N				
			NR Bn71	0.54	2.152	43.0	Y			NR Bn71	0.17	0.660		N				
			NR Bn12	0.54	2.176	43.0	Y			NR Bn12	0.47	1.896	-38.0	Y				
			NR Bn26	0.51	2.030	45.5	Y			NR Bn26	0.10	0.410		N				
			NR Bn5	0.46	1.829		N			NR Bn5	0.23	0.914		N				
			Worst configuration	0.54	2.176	40.0				Worst configuration	0.49	1.960	-38.0					

AG0(Sub6) & AG1(Sub6)+ERs Sum-SPLSR calculation results

Test position	No.	Antenna pairs		AG0		AG1		AG0+AG1 SUM SAR (W/kg)	SPLSR Results
		AG0	AG1	SAR (W/kg)	Y-axis (mm)	SAR (W/kg)	Y-axis (mm)		
Front	1	Ant.A+B	Ant.E	2.005	43.5	2.048	-78.4	4.054	0.07
Right	2	LTE B12	Ant.D	2.039	44.5	1.960	-38.0	3.999	0.10
	3	LTE B13	Ant.D	2.072	40.0	1.960	-38.0	4.031	0.10
	4	LTE B14	Ant.D	2.076	44.0	1.960	-38.0	4.036	0.10
	5	NR Bn71	Ant.D	2.152	43.0	1.960	-38.0	4.111	0.10
	6	NR Bn12	Ant.D	2.176	43.0	1.960	-38.0	4.136	0.10
	7	NR Bn26	Ant.D	2.030	45.5	1.960	-38.0	3.989	N/A
	8	LTE B12	Ant.G	2.039	44.5	1.865	-36.0	3.904	N/A
	9	LTE B13	Ant.G	2.072	40.0	1.865	-36.0	3.936	N/A
	10	LTE B14	Ant.G	2.076	44.0	1.865	-36.0	3.941	N/A
	11	NR Bn71	Ant.G	2.152	43.0	1.865	-36.0	4.016	0.10
	12	NR Bn12	Ant.G	2.176	43.0	1.865	-36.0	4.041	0.10
	13	NR Bn26	Ant.G	2.030	45.5	1.865	-36.0	3.894	N/A
	14	LTE B12	Ant.G+D	2.039	44.5	1.856	-35.0	3.895	N/A
	15	LTE B13	Ant.G+D	2.072	40.0	1.856	-35.0	3.927	N/A
	16	LTE B14	Ant.G+D	2.076	44.0	1.856	-35.0	3.932	N/A
	17	NR Bn71	Ant.G+D	2.152	43.0	1.856	-35.0	4.007	0.10
	18	NR Bn12	Ant.G+D	2.176	43.0	1.856	-35.0	4.032	0.10
	19	NR Bn26	Ant.G+D	2.030	45.5	1.856	-35.0	3.885	N/A

Note(s):

1. Worst combinations Sum-SPLSR criteria results is not over 0.10 (10-g SAR) in Sub6 antenna configurations. So additional test is not required.
2. Worst Simultaneous transmission results are below;

SAR's simultaneous transmission value is 2.030 W/kg+1.960 W/kg = 3.989 W/kg in Above table.

Condition#2 (SDOTER)

AG0(Sub6) & AG1(mmW) & ERs SDOTER combinations

Positions	Antenna Group	Antenna	Bands	Adjusted SAR ER	Figure	Antenna	Adjusted PD ER	Figure	TER (SAR ER + PD ER)	fast volume scan (Y/N)	SDOTER results	Figure		
Front -0mm	AG0	Ant.A+B	GSM 850	0.49	25	AG1 Ant.M (mmW)	0.85	37	1.34	Y	0.85	38		
			WCDMA B5	0.36	26		0.85		1.22	Y				
			LTE B71	0.50	27		0.85		1.35	Y				
			LTE B12	0.35	28		0.85		1.21	Y				
			LTE B13	0.30	29		0.85		1.15	Y				
			LTE B14	0.38	30		0.85		1.23	Y				
			LTE B26	0.50	31		0.85		1.35	Y				
			LTE B5	0.45	32		0.85		1.30	Y				
			NR Bn71	0.40	33		0.85		1.25	Y				
			NR Bn12	0.36	34		0.85		1.21	Y				
			NR Bn26	0.49	35		0.85		1.35	Y				
			NR Bn5	0.39	36		0.85		1.24	Y				
		Worst configuration	0.50		0.85		1.35	Y						
		Ant.B	GSM 1900	0.32	39		0.85	53	1.17	Y			0.85	54
			WCDMA B4	0.27	40		0.85		1.12	Y				
			WCDMA B2	0.30	41		0.85		1.15	Y				
			LTE B66	0.40	42		0.85		1.25	Y				
			LTE B25	0.36	43		0.85		1.21	Y				
	LTE B30		0.25	44	0.85	1.10	Y							
	LTE B7		0.36	45	0.85	1.21	Y							
	LTE B41		0.20	46	0.85	1.06	Y							
	NR Bn7		0.34	47	0.85	1.19	Y							
	NR Bn66		0.40	48	0.85	1.25	Y							
	NR Bn25		0.28	49	0.85	1.13	Y							
	NR Bn30		0.24	50	0.85	1.09	Y							
	NR Bn70	0.29	51	0.85	1.14	Y								
	NR Bn41 SRS	0.24	52	0.85	1.09	Y								
	Worst configuration	0.40		0.85	1.25	Y								
	Ant.C	NR Bn48 SRS1	0.19	55	0.85	58	1.04	Y	0.85	59				
		NR Bn41 SRS	0.19	56	0.85		1.04	Y						
		NR Bn77 SRS1	0.19	57	0.85		1.05	Y						
		Worst configuration	0.19		0.85		1.05	Y						

Positions	Antenna Group	Antenna	Bands	Adjusted SAR ER	Figure	Antenna	Adjusted PD ER	Figure	TER (SAR ER + PD ER)	fast volume scan (Y/N)	SDOTER results	Figure		
Right -0mm	AG0	Ant.A+B	GSM 850	0.45	60	AG1 Ant.M (mmW)	0.89	72	1.35	Y	0.98	73.0		
			WCDMA B5	0.50	61		0.89		1.39	Y				
			LTE B71	0.46	62		0.89		1.35	Y				
			LTE B12	0.51	63		0.89		1.40	Y				
			LTE B13	0.52	64		0.89		1.41	Y				
			LTE B14	0.52	65		0.89		1.41	Y				
			LTE B26	0.42	66		0.89		1.31	Y				
			LTE B5	0.48	67		0.89		1.37	Y				
			NR Bn71	0.54	68		0.89		1.43	Y				
			NR Bn12	0.54	69		0.89		1.44	Y				
			NR Bn26	0.51	70		0.89		1.40	Y				
			NR Bn5	0.46	71		0.89		1.35	Y				
		Worst configuration	0.54		0.89		1.44	Y						
		Ant.B	GSM 1900	0.16	74		0.89	81	1.05	Y			0.89	82
			WCDMA B4	0.11	75		0.89		1.00	Y				
			WCDMA B2	0.20	76		0.89		1.09	Y				
			LTE B66	0.13	77		0.89		1.02	Y				
			LTE B25	0.16	78		0.89		1.05	Y				
	LTE B30		0.03		0.89	0.92	N							
	LTE B7		0.05		0.89	0.94	N							
	LTE B41		0.03		0.89	0.92	N							
	NR Bn7		0.05		0.89	0.94	N							
	NR Bn66		0.11	79	0.89	1.00	Y							
	NR Bn25		0.18	80	0.89	1.07	Y							
	NR Bn30		0.04		0.89	0.93	N							
	NR Bn70	0.08		0.89	0.97	N								
	NR Bn41 SRS	0.03		0.89	0.92	N								
	Worst configuration	0.20		0.89	1.09	Y								
	Ant.A	NR Bn48 SRS3	0.15	83	0.89	85	1.04	Y	0.89	86				
		NR Bn77 SRS3	0.13	84	0.89		1.02	Y						
		Worst configuration	0.15		0.89		1.04	Y						

Note(s):

- SDOTER results (PD ER/SAR ER/SAR and PD combine Results) refer to Appendix I.
- Worst Simultaneous transmission results are below;
Simultaneous transmission for PD : Maximum TER is 0.99 in Body & 0.98 in Extremity exposure condition.
So PD's maximum TER is 0.99.

Conclusion:

TER(Total Exposure Ratio) analysis results is satisfied the FCC Limit requirement.

Appendixes

Refer to separated files for the following appendixes.

4791196575-S1 FCC Report SAR_App A_Photos & Ant. Locations

4791196575-S1 FCC Report SAR_App B_Highest SAR Test Plots

4791196575-S1 FCC Report SAR_App C_System Check Plots

4791196575-S1 FCC Report SAR_App D_SAR Tissue Ingredients

4791196575-S1 FCC Report SAR_App E_Probe Cal. Certificates

4791196575-S1 FCC Report SAR_App F_Dipole Cal. Certificates

4791196575-S1 FCC Report SAR_App G_LTE Carrier Aggregation

4791196575-S1 FCC Report SAR_App H_Dynamic Antenna tuner testing

4791196575-S1 FCC Report SAR_App I_SDOTER test data results

4791196575-S1 FCC Report SAR_App J_Hall effect sensor verification

END OF REPORT