

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

**RF EXPOSURE EVALUATION REPORT
(Part 1 : Test in Static Transmission Condition)
FOR**

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

MODEL NUMBER: SM-F971U, SM-F971U1

FCC ID: A3LSMF971U

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TL-637

Revision History

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V3	2026-05-07	Revised table in Sec 9.8 Revised table in Sec 10.1.35 Revised Appendix B Test Plots_Folder close Revised Appendix C	Jeongyeon Won
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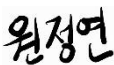
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1. Attestation of test results

Applicant Name		SAMSUNG ELECTRONICS CO.,LTD.			
FCC ID		A3LSMF971U			
Model Number		SM-F971U, SM-F971U1			
Applicable Standards		FCC 47 CFR Sec 2.1093, IEEE Std 1528: 2013 & Published RF exposure KDB procedures			
Exposure Category		SAR Limits (W/kg)		Power Density Limits (mW/cm ²)	
		1g-SAR	10g-SAR	Incident PD(IPD)	Absorbed PD(APD)
General population / Uncontrolled exposure		1.6	4.0	1.0	-
RF Exposure Conditions		Equipment Class - The Highest Reported SAR/IPD/APD			
		SAR (W/kg)		IPD (mW/cm ²)	APD (mW/cm ²)
Phablet	Head	1.23		0.57	0.77
	Body-worn	1.17			0.28
	Hotspot	1.17			0.28
	Product Specific 10g	1.50			1.08
RF Exposure Conditions		Simultaneous Tx SAR results (W/kg)			
Phablet	Head	1.59			
	Body-worn	1.59			
	Hotspot	1.59			
	Product Specific 10g	1.92			
RF Exposure Conditions (SAR)		Body-worn / Body Exposure	Hotspot Exposure	Product Specific 10g Exposure	
SAR Test distance(mm)		5	10	0	
Date Tested		2026-02-23 to 2026-06-08			
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 Associate UL Korea, Ltd. Suwon Laboratory		

1.1. The Highest Reported SAR/APD/IPD Results

Folder Close

Equipment Class	Band	Antenna	The Highest Reported SAR (W/kg) of RF Exposure Conditions			
			Phablet Mode (Folder Close)			
			1-g of Tissue			10-g of Tissue
			Head Exposure	Body-worn Exposure	Hotspot Exposure	Product Specific Exposure
PCE	GSM 850	Ant.A+B	0.282	0.506	0.506	N/A
	GSM 850	Ant.A	0.196	0.722	0.722	N/A
	GSM 850	Ant.D	0.465	0.713	0.713	N/A
	GSM 1900	Ant.B	0.218	0.726	0.726	N/A
	WCDMA Band 2	Ant.F	1.004	0.673	0.673	N/A
	WCDMA Band 4	Ant.F	0.692	0.719	0.719	N/A
	WCDMA Band 5	Ant.A+B	0.330	0.811	0.811	N/A
	WCDMA Band 5	Ant.A	0.162	0.809	0.809	N/A
	WCDMA Band 5	Ant.D	0.589	0.791	0.791	N/A
	LTE Band 5	Ant.A+B	0.307	0.820	0.820	N/A
	LTE Band 5	Ant.A	0.305	0.766	0.766	N/A
	LTE Band 5	Ant.D	0.402	0.665	0.665	N/A
	LTE Band 7	Ant.B	0.150	0.863	0.863	N/A
	LTE Band 7	Ant.F	0.995	0.712	0.712	N/A
	LTE Band 12	Ant.A+B	0.198	0.558	0.558	N/A
	LTE Band 12	Ant.A	0.087	0.366	0.366	N/A
	LTE Band 12	Ant.D	0.192	0.566	0.566	N/A
	LTE Band 13	Ant.A+B	0.261	0.739	0.739	N/A
	LTE Band 13	Ant.A	0.190	0.508	0.508	N/A
	LTE Band 13	Ant.D	0.379	1.029	1.029	N/A
	LTE Band 14	Ant.A+B	0.254	0.720	0.720	N/A
	LTE Band 14	Ant.A	0.230	0.542	0.542	N/A
	LTE Band 14	Ant.D	0.330	0.988	0.988	N/A
	LTE Band 25	Ant.B	0.372	0.636	0.636	N/A
	LTE Band 25	Ant.F	0.617	0.558	0.558	N/A
	LTE Band 26	Ant.A+B	0.322	0.778	0.778	N/A
	LTE Band 26	Ant.A	0.290	0.749	0.749	N/A
	LTE Band 26	Ant.D	0.469	0.677	0.677	N/A
	LTE Band 30	Ant.B	0.137	0.844	0.844	N/A
	LTE Band 30	Ant.F	0.994	0.637	0.637	N/A
	LTE Band 66	Ant.B	0.262	0.618	0.618	N/A
	LTE Band 66	Ant.F	1.036	0.730	0.730	N/A
	LTE Band 71	Ant.A+B	0.119	0.575	0.575	N/A
	LTE Band 71	Ant.A	0.059	0.424	0.424	N/A
	LTE Band 71	Ant.D	0.182	0.631	0.631	N/A
	LTE Band 41	Ant.B	0.060	0.301	0.301	N/A
	LTE Band 41	Ant.F	0.936	0.969	0.969	N/A
	NR Band n5	Ant.A+B	0.325	0.893	0.893	N/A
	NR Band n5	Ant.A	0.269	0.790	0.790	N/A
	NR Band n5	Ant.D	0.509	0.730	0.730	N/A
	NR Band n7	Ant.B	0.109	0.638	0.638	N/A
	NR Band n7	Ant.F	0.855	0.678	0.678	N/A
	NR Band n12	Ant.A+B	0.222	0.484	0.484	N/A
	NR Band n12	Ant.A	0.088	0.433	0.433	N/A
	NR Band n12	Ant.D	0.231	0.555	0.555	N/A
	NR Band n14	Ant.A+B	0.245	0.651	0.651	N/A
	NR Band n14	Ant.A	0.207	0.588	0.588	N/A
	NR Band n14	Ant.D	0.440	0.962	0.962	N/A

Folder Close (Continued)

Equipment Class	Band	Antenna	The Highest Reported SAR (W/kg) of RF Exposure Conditions			
			Phablet Mode (Folder Close)			
			1-g of Tissue			10-g of Tissue
			Head Exposure	Body-worn Exposure	Hotspot Exposure	Product Specific Exposure
PCE	NR Band n25	Ant.B	0.309	0.684	0.684	N/A
	NR Band n25	Ant.F	0.765	0.697	0.697	N/A
	NR Band n26	Ant.A+B	0.311	0.903	0.903	N/A
	NR Band n26	Ant.A	0.257	0.752	0.752	N/A
	NR Band n26	Ant.D	0.518	0.714	0.714	N/A
	NR Band n30	Ant.B	0.143	0.610	0.610	N/A
	NR Band n30	Ant.F	0.913	0.505	0.505	N/A
	NR Band n66	Ant.B	0.362	0.686	0.686	N/A
	NR Band n66	Ant.F	1.076	0.778	0.778	N/A
	NR Band n70	Ant.B	0.356	0.982	0.982	N/A
	NR Band n70	Ant.F	0.896	0.700	0.700	N/A
	NR Band n71	Ant.A+B	0.158	0.493	0.493	N/A
	NR Band n71	Ant.A	0.079	0.409	0.409	N/A
	NR Band n71	Ant.D	0.223	0.642	0.642	N/A
	NR Band n41 SRS1	Ant.F	0.985	0.760	0.760	N/A
	NR Band n41 SRS2	Ant.B	0.154	0.608	0.608	N/A
	NR Band n41 SRS3	Ant.E	0.020	0.077	0.077	N/A
	NR Band n41 SRS4	Ant.C	0.003	0.152	0.152	N/A
	NR Band n77 SRS1	Ant.E	0.398	0.911	0.911	N/A
	NR Band n77 SRS2	Ant.A	0.008	0.214	0.214	N/A
	NR Band n77 SRS3	Ant.F	0.053	0.560	0.560	N/A
	NR Band n77 SRS4	Ant.C	0.001	0.167	0.167	N/A
CBE	LTE Band 48	Ant.E	0.251	0.546	0.546	N/A
	NR Band n48 SRS1	Ant.E	0.321	0.923	0.923	N/A
	NR Band n48 SRS2	Ant.A	0.003	0.087	0.087	N/A
	NR Band n48 SRS3	Ant.F	0.093	0.391	0.391	N/A
	NR Band n48 SRS4	Ant.C	0.002	0.091	0.091	N/A
TNE	NTN Band 255	Ant.F	N/A	1.067	N/A	1.197
DTS	2.4GHz WLAN		1.004	0.953	0.953	N/A
NII	5GHz WLAN		0.929	0.491	0.491	1.500
6CD	6GHz WLAN		0.136	0.292	0.292	0.452
DSS	Bluetooth		0.789	1.037	1.037	N/A
DXX	NFC		N/A	N/A	N/A	0.014
UWB	UWB		0.006	0.006	N/A	0.003

Equipment Class	Band	The Highest Reported APD/IPD (mW/cm ²) of RF exposure conditions				
		APD				IPD
		Head Exposure	Body-worn Exposure	Hotspot Exposure	Product Specific Exposure	
6CD/6VL	6GHz WLAN	0.089	0.196	0.196	1.062	0.537
UWB	UWB	N/A	N/A	N/A	0.064	0.008

Folder Open

Equipment Class	Band	Antenna	The Highest Reported SAR (W/kg) of RF Exposure Conditions			
			Phablet Mode (Folder Open)			
			1-g of Tissue			10-g of Tissue
			Head Exposure	Body-worn Exposure	Hotspot Exposure	Product Specific Exposure
PCE	GSM 850	Ant.A+B	0.919	0.656	0.656	N/A
	GSM 850	Ant.D	0.672	0.774	0.774	N/A
	GSM 1900	Ant.B	0.510	0.863	0.863	N/A
	WCDMA Band 2	Ant.F	1.029	0.604	0.604	N/A
	WCDMA Band 4	Ant.F	0.932	0.617	0.617	N/A
	WCDMA Band 5	Ant.A+B	0.906	0.834	0.834	N/A
	WCDMA Band 5	Ant.D	0.342	1.095	1.095	N/A
	LTE Band 5	Ant.A+B	0.635	0.823	0.823	N/A
	LTE Band 5	Ant.D	0.351	0.963	0.963	N/A
	LTE Band 7	Ant.B	0.593	0.593	0.593	N/A
	LTE Band 7	Ant.F	0.944	0.497	0.497	N/A
	LTE Band 12	Ant.A+B	0.277	0.705	0.705	N/A
	LTE Band 12	Ant.D	0.165	0.585	0.585	N/A
	LTE Band 13	Ant.A+B	0.554	0.703	0.703	N/A
	LTE Band 13	Ant.D	0.289	0.964	0.964	N/A
	LTE Band 14	Ant.A+B	0.538	0.728	0.728	N/A
	LTE Band 14	Ant.D	0.265	0.978	0.978	N/A
	LTE Band 25(2)	Ant.B	0.651	0.651	0.651	N/A
	LTE Band 25(2)	Ant.F	0.291	0.524	0.524	N/A
	LTE Band 26	Ant.A+B	0.540	0.760	0.760	N/A
	LTE Band 26	Ant.D	0.418	0.897	0.897	N/A
	LTE Band 30	Ant.B	0.558	0.558	0.558	N/A
	LTE Band 30	Ant.F	0.624	0.425	0.425	N/A
	LTE Band 66(4)	Ant.B	0.635	0.635	0.635	N/A
	LTE Band 66(4)	Ant.F	0.630	0.854	0.854	N/A
	LTE Band 71	Ant.A+B	0.320	0.554	0.554	N/A
	LTE Band 71	Ant.D	0.106	0.559	0.559	N/A
	LTE Band 41(38)	Ant.B	0.267	0.267	0.267	N/A
	LTE Band 41(38)	Ant.F	1.192	0.927	0.927	N/A
	NR Band n5	Ant.A+B	0.900	0.821	0.821	N/A
	NR Band n5	Ant.D	0.546	0.593	0.593	N/A
	NR Band n7	Ant.B	0.559	0.559	0.559	N/A
	NR Band n7	Ant.F	0.739	0.701	0.701	N/A
	NR Band n12	Ant.A+B	0.458	0.569	0.569	N/A
	NR Band n12	Ant.D	0.233	0.594	0.594	N/A
	NR Band n14	Ant.A+B	0.689	0.716	0.716	N/A
	NR Band n14	Ant.D	0.448	1.119	1.119	N/A
	NR Band n25(2)	Ant.B	0.637	0.637	0.637	N/A
	NR Band n25(2)	Ant.F	0.415	0.722	0.722	N/A

Folder Open (Continued)

Equipment Class	Band	Antenna	The Highest Reported SAR (W/kg) of RF Exposure Conditions			
			Phablet Mode (Folder Open)			
			1-g of Tissue			10-g of Tissue
			Head Exposure	Body-worn Exposure	Hotspot Exposure	Product Specific Exposure
PCE	NR Band n26	Ant.A+B	0.840	0.794	0.794	N/A
	NR Band n26	Ant.D	0.650	0.804	0.804	N/A
	NR Band n30	Ant.B	0.401	0.401	0.401	N/A
	NR Band n30	Ant.F	0.540	0.437	0.437	N/A
	NR Band n66	Ant.B	0.550	0.550	0.550	N/A
	NR Band n66	Ant.F	0.625	1.079	1.079	N/A
	NR Band n70	Ant.B	0.665	0.665	0.665	N/A
	NR Band n70	Ant.F	0.608	0.720	0.720	N/A
	NR Band n71	Ant.A+B	0.377	0.545	0.545	N/A
	NR Band n71	Ant.D	0.219	0.633	0.633	N/A
	NR Band n41(38) SRS1/2	Ant.F	0.909	0.984	0.984	N/A
	NR Band n41(38) SRS2/1	Ant.B	0.665	0.665	0.665	N/A
	NR Band n41(38) SRS3/4	Ant.E	0.076	0.111	0.111	N/A
	NR Band n41(38) SRS4/3	Ant.C	0.161	0.161	0.161	N/A
	NR Band n77(78) SRS1	Ant.E	0.775	0.976	0.976	N/A
	NR Band n77(78) SRS2	Ant.A	0.243	0.243	0.243	N/A
	NR Band n77(78) SRS3	Ant.F	0.070	0.998	0.998	N/A
	NR Band n77(78) SRS4	Ant.C	0.147	0.147	0.147	N/A
CBE	LTE Band 48	Ant.E	0.548	0.580	0.580	N/A
	NR Band n48 SRS1	Ant.E	1.015	0.857	0.857	N/A
	NR Band n48 SRS2	Ant.A	0.266	0.266	0.266	N/A
	NR Band n48 SRS3	Ant.F	0.113	0.789	0.789	N/A
	NR Band n48 SRS4	Ant.C	0.196	0.196	0.196	N/A
TNE	NTN Band 255	Ant.F	N/A	1.136	N/A	1.110
DTS	2.4GHz WLAN		1.230	1.019	1.019	N/A
UNII	5GHz WLAN		0.399	0.517	0.517	0.742
6CD	6GHz WLAN		0.492	0.442	0.442	0.463
DSS	Bluetooth		0.773	1.165	1.165	N/A
DXX	NFC		N/A	N/A	N/A	0.014
UWB	UWB		0.004	0.004	N/A	0.002

Equipment Class	Band	The Highest Reported APD/IPD (mW/cm ²) of RF exposure conditions				
		APD				IPD
		Head Exposure	Body-worn Exposure	Hotspot Exposure	Product Specific Exposure	
6CD/6VL	6GHz WLAN	0.774	0.278	0.278	1.083	0.566
UWB	UWB	N/A	N/A	N/A	0.003	0.004

Note(s):

The Highest Reported SAR/APD/IPD Results were listed for each RF exposure conditions for each supported bands based on Test results of Section.10 & 11 & 12.

2. Test Specification, Methods and Procedures

The tests documented in this report were performed in accordance with:

- FCC 47 CFR Sec 2.1093
- IEEE Std 1528: 2013
- IEC/IEEE 63195-1: 2022
- IEC 62479: 2010
- ANSI C63.26: 2015

And the following FCC Published RF exposure [KDB](#) procedures:

- 248227 D01 802.11 Wi-Fi SAR v02r02
- 388624 D02 Pre-Approval Guidace List v18r08 (APPENDIX OVER6G)
- 447498 D04 Interim General RF Exposure Guidance v01
- 616217 D04 SAR for laptop and tables v01r02
- 648474 D04 Handset SAR v01r03
- 690783 D01 SAR Listings on Grants v01r03
- 865664 D01 SAR measurement 100 MHz to 6GHz v01r04
- 865664 D02 RF Exposure Reporting v01r02
- 941225 D01 3G SAR Procedures v03r01
- 941225 D05 SAR for LTE Devices v02r05
- 941225 D05A LTE Rel.10 KDB Inquiry Sheet v01r02
- 941225 D06 Hotspot Mode v02r01
- 941225 D07 UMPC Mini Tablet v01r02
- 971168 D01 Power Meas License Digital System v03r01

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

- [TCB workshop](#) October, 2014; RF Exposure Procedures Update (Overlapping LTE Bands)
- [TCB workshop](#) October, 2014; RF Exposure Procedures Update (Other LTE Considerations)
- [TCB workshop](#) October, 2016; RF Exposure Procedures (DUT Holder Perturbations)
- [TCB workshop](#) May, 2017; RF Exposure Procedures (LTE Test Conditions)
- [TCB workshop](#) November, 2017; RF Exposure Procedures (LTE UL Carrier Aggregation SAR)
- [TCB workshop](#) April, 2019; RF Exposure Procedures (Tissue Simulating Liquids (TSL))
- [TCB workshop](#) November, 2019; RF Exposure Procedures (Hall Effect Sensor Guidance)
- [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)
- [TCB workshop](#) October, 2024; CA and Simultaneous Transmissions (CA-DL Test Reductions)
- [TCB workshop](#) October, 2024; RF Exposure Updates (RF Exposure Testing Near Complex Surfaces)
- [TCB workshop](#) April, 2025; RF Exposure PAG Updates (Interim RF Exposure Testing Guidance)
- SPEAG DASY8 Module mmWave Manual
- SPEAG DASY6 Application Note: Interim Procedures (Version 9.0) for Devices Operating 6-10GHz
-

3. Facilities and Accreditation

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

Suwon			
SAR 1 Room	SAR 2 Room	SAR 3 Room	SAR 4 Room
SAR 5 Room	SAR 6 Room	SAR 7 Room	SAR 8 Room
SAR 9 Room	SAR 10 Room	SAR 11 Room	

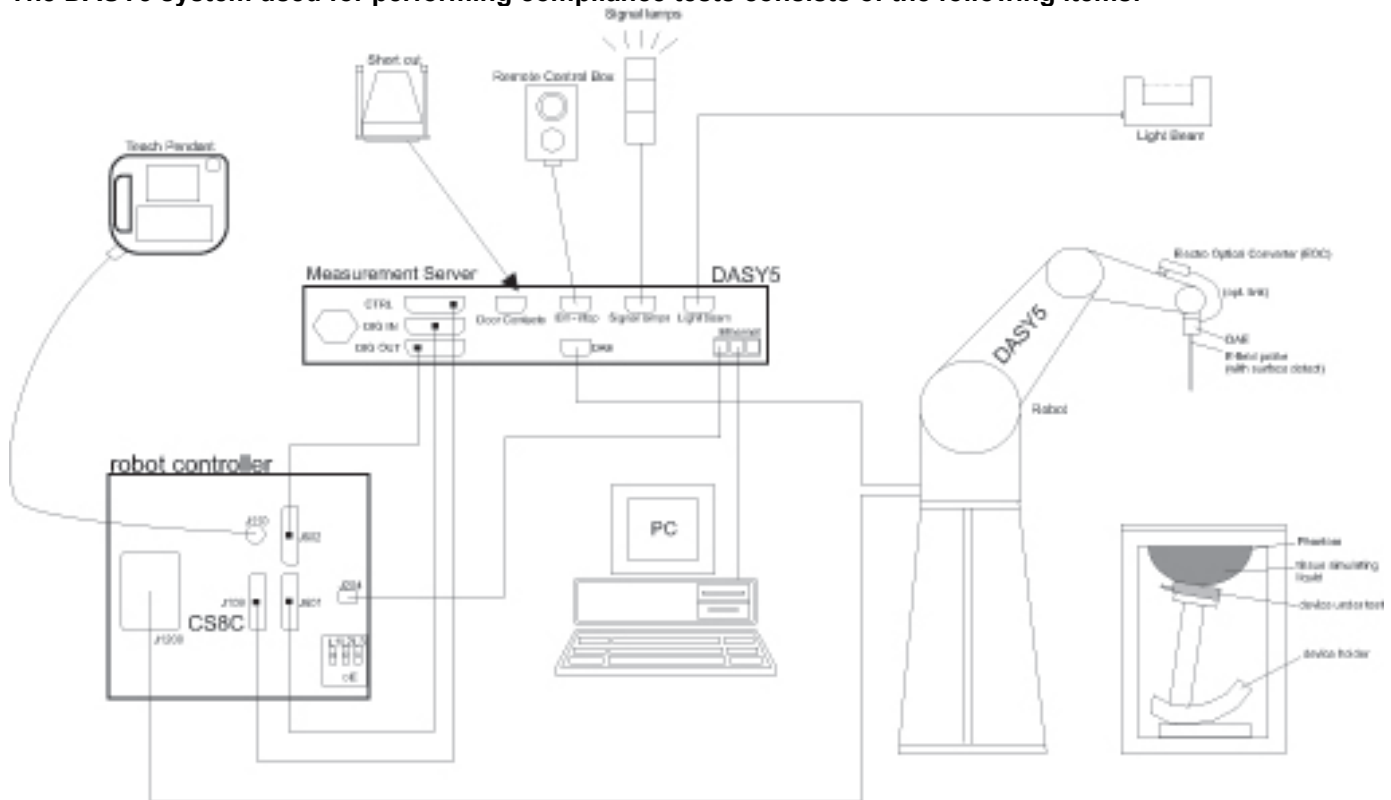
UL Korea, Ltd. is accredited by IAS, Laboratory Code TL-637. The full scope of accreditation can be viewed at

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

4. Measurement System & Test Equipment

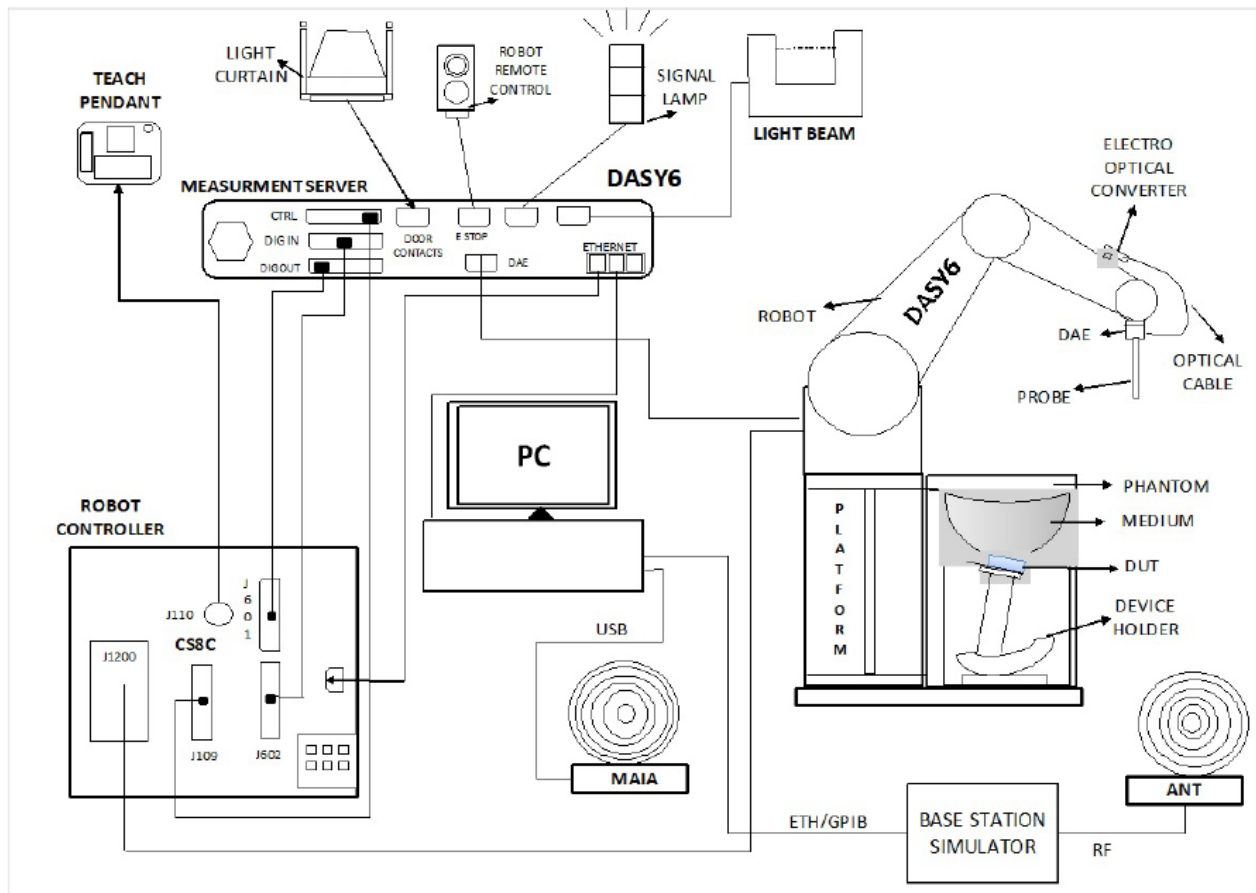
4.1. SAR Measurement System

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 Win11 and the DASY5 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

The DASY6/8 system used for performing compliance tests consists of the following items:



- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Win11 and the DASY6/8 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.

4.1.1. 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 1.4 mm. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

Step 2: Area Scan

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

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

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

Area Scan Parameters extracted from IEC/IEEE 62209-1528 (below 100MHz, above 6GHz)

Parameter	DUT transmit frequency being tested	
	$f \leq 3$ GHz	$3 \text{ GHz} < f \leq 10 \text{ GHz}$
Maximum distance between the measured points (geometric centre of the sensors) and the inner phantom surface (z_{M1} in Figure 20 in mm)	5 ± 1	$\delta \ln(2)/2 \pm 0,5^a$
Maximum spacing between adjacent measured points in mm (see O.8.3.1) ^b	20, or half of the corresponding zoom scan length, whichever is smaller	$60/f$, or half of the corresponding zoom scan length, whichever is smaller
Maximum angle between the probe axis and the phantom surface normal (α in Figure 20) ^c	5° (flat phantom only) 30° (other phantoms)	5° (flat phantom only) 20° (other phantoms)
Tolerance in the probe angle	1°	1°

Step 3: Zoom Scan

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

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

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

Zoom Scan Parameters extracted from IEC/IEEE 62209-1528 (below 100MHz, above 6GHz)

Parameter	DUT transmit frequency being tested	
	$f \leq 3$ GHz	3 GHz $< f \leq 10$ GHz
Maximum distance between the closest measured points and the phantom surface (z_{M1} in Figure 20 and Table 3, in mm)	5	$\delta \ln(2)/2$ ^a
Maximum angle between the probe axis and the phantom surface normal (α in Figure 20)	5° (flat phantom only) 30° (other phantoms)	5° (flat phantom only) 20° (other phantoms)
Maximum spacing between measured points in the x- and y-directions (Δx and Δy , in mm)	8	$24/f$ ^b
For uniform grids: Maximum spacing between measured points in the direction normal to the phantom shell (Δz_1 in Figure 20, in mm)	5	$10/(f - 1)$
For graded grids: Maximum spacing between the two closest measured points in the direction normal to the phantom shell (Δz_1 in Figure 20, in mm)	4	$12/f$
For graded grids: Maximum incremental increase in the spacing between measured points in the direction normal to the phantom shell ($R_z = \Delta z_2/\Delta z_1$ in Figure 20)	1,5	1,5
Minimum edge length of the zoom scan volume in the x- and y-directions (L_z in O.8.3.2, in mm)	30	22
Minimum edge length of the zoom scan volume in the direction normal to the phantom shell (L_h in O.8.3.2 in mm)	30	22
Tolerance in the probe angle	1°	1°
^a δ is the penetration depth for a plane-wave incident normally on a planar half-space.		
^b This is the maximum spacing allowed, which might not work for all circumstances.		

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.

4.2.1. Power Density 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 device under test.

Step 2: 5G Scan

The steps in the X, Y, and Z directions are specified in terms of fractions of the signal wavelength, λ . Area Scan Parameters extracted from DASY6/8 Module mmWave Manual.

Recommended settings for measurement of verification sources

Frequency [GHz]	Grid step	Grid extent X/Y [mm]	Measurement points
10	$0.125 (\frac{\lambda}{8})$	60/60	18 × 18
30	$0.25 (\frac{\lambda}{4})$	60/60	26 × 26
45	$0.25 (\frac{\lambda}{4})$	42/42	28 × 28
60	$0.25 (\frac{\lambda}{4})$	32.5/32.5	28 × 28
90	$0.25 (\frac{\lambda}{4})$	30/30	38 × 38

The minimum distance of probe sensors to verification source surface, horn antenna, is 10 mm.

Per equipment manufacturer guidance for 6 – 10GHz, DUT's Power density was measured at d=2mm.

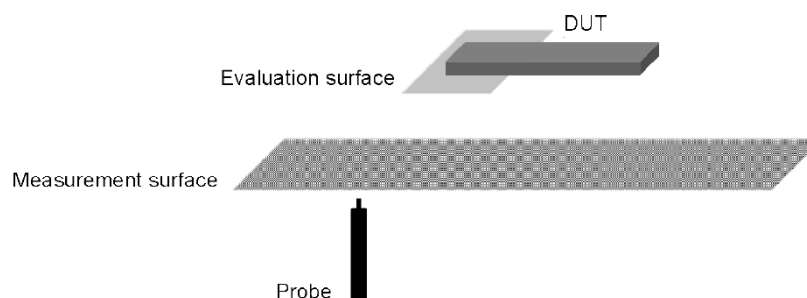
Step 3: Power drift measurement

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. When the drift is larger than $\pm 5\%$, test is repeated from step1.

4.2.2. Total Field and Power Flux Density Reconstruction (measurement distance)

Reconstruction algorithms are used to project or transform the measured fields from the measurement surface to the evaluation surface (below fig) in order to determine power density or to compute spatial-average and/or local power density with known uncertainty.

Manufacture has developed a reconstruction approach based on the Gerchberg-Saxton algorithm, which benefits from the availability of the E-field polarization ellipse information obtained with the EUmWVx probe. This reconstruction algorithm, together with the ability of the probe to measure extremely close to the source without perturbing the field, permits reconstruction of the E- and H-fields, as well as of the power density, on measurement planes.



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
Netw ork Analyzer	Agilent	E5071C	MY46522054	2026-07-22
Netw ork Analyzer	ROHDE & SCHWARZ	ZNB 20	102256	2026-08-11
Dielectric Assessment Kit	SPEAG	DAK-12	1158	2026-09-16
Dielectric Assessment Kit	SPEAG	DAK-3.5	1133	2027-03-11
Dielectric Assessment Kit	SPEAG	DAK-3.5	1134	2026-04-22
Dielectric Assessment Kit	SPEAG	DAK-3.5	1196	2026-05-26
Dielectric Assessment Kit	SPEAG	DAK-3.5	1196	2027-05-11
Vector Netw ork Analyzer	SPEAG	DAKS_VNA R140	0060221	2027-03-16
Vector Netw ork Analyzer	SPEAG	DAKS_VNA R140	0050221	2026-04-21
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	2026-07-22
Thermometer	LKM	DTM3000	3862	2026-07-22

System Check

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Signal Generator	Keysight	N5181B	MY59100587	2026-07-22
Signal Generator	Keysight	N5173B	MY59101083	2026-07-22
Signal Generator	Keysight	E8257D	MY53400994	2026-07-21
Pow er Sensor	KEYSIGHT	U2000A	MY54260007	2026-07-23
Pow er Sensor	KEYSIGHT	U2000A	MY60180020	2026-07-23
Pow er Sensor	KEYSIGHT	U2000A	MY61060004	2026-07-23
Pow er Sensor	KEYSIGHT	U2000A	MY61010006	2026-07-23
Pow er Sensor	KEYSIGHT	U2000A	MY61010010	2026-07-23
Pow er Sensor	KEYSIGHT	U2000A	MY51240012	2026-12-30
Pow er Sensor	KEYSIGHT	U2000A	MY54430009	2026-12-30
Pow er Sensor	KEYSIGHT	U2004A USB Sensor	MY61200006	2026-12-30
Pow er Sensor	KEYSIGHT	U2004A USB Sensor	MY61280010	2026-12-30
Pow er Amplifier	EXODUS	AMP2027	10003	2026-12-30
Pow er Amplifier	EXODUS	AMP2027	10002	2026-07-24
Pow er Amplifier	Sambo	BA00T60W2D	S3010-0001	2026-12-30
Directional Coupler	Aglient	772D	MY52180193	2026-07-22
Directional Coupler	H.P	778D	16133	2026-07-22
Directional Coupler	KRYTAR	100318010	215541	2026-12-29
Directional Coupler	MINI-CIRCUITS	ZMDC-30-1+	SF569102123	2026-07-22
Low Pass Filter	FILTRON	L14012FL	1410003S	2026-07-22
Low Pass Filter	MICROLAB	LA-60N	3942	2026-07-22
Low Pass Filter	MINI-CIRCUITS	NLP-1200	VUU19301915	2026-07-22
Low Pass Filter	MINI-CIRCUITS	VLF-1500+	32241	2026-12-29
Low Pass Filter	MINI-CIRCUITS	VLF-3000+	32226	2026-12-29
Low Pass Filter	KRYTAR	WLKX10-11000-13640-21000-60TS	1	2026-07-23
Attenuator	KEYSIGHT	BW-N10W5+	N/A	2026-07-21
Attenuator	KEYSIGHT	BW-N20W5+	N/A	2026-07-21
Attenuator	KEYSIGHT	BW-S3W10+	N/A	2026-12-30
Attenuator	KEYSIGHT	BW-S3W10+	N/A	2026-12-30
Attenuator	KEYSIGHT	8491B003	MY39272275	2026-07-23
Attenuator	KEYSIGHT	8491B010	MY39272293	2026-07-23
Attenuator	KEYSIGHT	8491B010	MY39272306	2026-07-23
Attenuator	KEYSIGHT	8491B020	MY39272300	2026-07-23
Attenuator	KEYSIGHT	8491B/020	MY39272302	2026-07-23
Attenuator	KEYSIGHT	8491B/020	MY39271973	2026-07-23
E-Field Probe	SPEAG	EX3DV4	7913	2026-11-07
E-Field Probe	SPEAG	EX3DV4	7313	2026-10-29
E-Field Probe	SPEAG	EX3DV4	7314	2026-06-03
E-Field Probe	SPEAG	EX3DV4	7330	2027-01-22

SAR Test Equipment (Continued)

E-Field Probe	SPEAG	EX3DV4	7376	2026-07-29
E-Field Probe	SPEAG	EX3DV4	7545	2026-09-23
E-Field Probe	SPEAG	EX3DV4	7645	2026-10-20
E-Field Probe	SPEAG	EX3DV4	7651	2027-01-19
E-Field Probe	SPEAG	EX3DV4	7652	2026-04-22
E-Field Probe	SPEAG	EX3DV4	7652	2027-05-19
E-Field Probe	SPEAG	EX3DV4	7646	2027-01-22
E-Field Probe	SPEAG	EX3DV4	3871	2026-08-22
E-Field Probe	SPEAG	EX3DV4	7947	2026-09-10
5G Probe	SPEAG	EumMWv4	9493	2027-01-19
5G Probe	SPEAG	EumMWv4	9536	2027-02-16
Data Acquisition Electronics	SPEAG	DAE4	1447	2027-03-13
Data Acquisition Electronics	SPEAG	DAE4	1468	2027-02-03
Data Acquisition Electronics	SPEAG	DAE4	1494	2026-07-09
Data Acquisition Electronics	SPEAG	DAE4	1591	2027-02-13
Data Acquisition Electronics	SPEAG	DAE4	1670	2026-08-13
Data Acquisition Electronics	SPEAG	DAE4	1671	2026-08-13
Data Acquisition Electronics	SPEAG	DAE4	1667	2026-09-16
Data Acquisition Electronics	SPEAG	DAE4	1668	2026-09-17
Data Acquisition Electronics	SPEAG	DAE4	1343	2026-07-09
Data Acquisition Electronics	SPEAG	DAE4	1917	2026-09-10
Data Acquisition Electronics	SPEAG	DAE4	1540	2027-01-08
Data Acquisition Electronics	SPEAG	DAE4	912	2026-11-20
System Validation Dipole	SPEAG	CLA -13	1015	2026-08-13
System Validation Dipole	SPEAG	D750V3	1122	2027-02-17
System Validation Dipole	SPEAG	D750V3	1205	2026-04-14
System Validation Dipole	SPEAG	D835V2	4d174	2026-09-16
System Validation Dipole	SPEAG	D835V2	4d194	2027-03-02
System Validation Dipole	SPEAG	D1640V2	334	2027-03-12
System Validation Dipole	SPEAG	D1750V2	1125	2026-11-18
System Validation Dipole	SPEAG	D1750V2	1180	2026-10-15
System Validation Dipole	SPEAG	D1900V2	5d190	2027-04-08
System Validation Dipole	SPEAG	D1900V2	5d199	2027-03-12
System Validation Dipole	SPEAG	D2300V2	1090	2026-11-18
System Validation Dipole	SPEAG	D2450V2	939	2026-07-10
System Validation Dipole	SPEAG	D2450V2	960	2027-03-10
System Validation Dipole	SPEAG	D2600V2	1097	2026-09-13
System Validation Dipole	SPEAG	D2600V2	1178	2026-04-15
System Validation Dipole	SPEAG	D3500V2	1075	2026-05-21
System Validation Dipole	SPEAG	D3700V2	1036	2026-05-21
System Validation Dipole	SPEAG	D3900V2	1069	2026-05-21
System Validation Dipole	SPEAG	D5GHzV2	1184	2026-11-21
System Validation Dipole	SPEAG	D5GHzV2	1325	2026-04-16
System Validation Dipole	SPEAG	D6.5GHzV2	1010	2026-06-11
System Validation Dipole	SPEAG	D8GHzV2	1012	2026-11-13
Verification kit	SPEAG	5G Verification source_10GHz	1022	2027-03-12
Thermometer	Lutron	MHB-382SD	AH.50215	2026-12-29
Thermometer	Lutron	MHB-382SD	AH.50213	2026-12-30
Thermometer	Lutron	MHB-382SD	AH.91463	2026-12-30
Thermometer	Lutron	MHB-382SD	AJ.45903	2026-12-29
Thermometer	Lutron	MHB-382SD	AJ.42446	2026-07-21
Thermometer	Lutron	MHB-382SD	AK.12102	2026-07-21
Thermometer	Lutron	MHB-382SD	AK.12103	2026-07-21
Thermometer	Lutron	MHB-382SD	AK.12121	2026-07-21
Thermometer	Lutron	MHB-382SD	AK.12123	2026-12-29
Thermometer	Lutron	MHB-382SD	AK.18789	2026-07-21
Thermometer	Lutron	MHB-382SD	AM.59335	2027-02-11

SAR Test Equipment (Continued)**Others**

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Base Station Simulator	R & S	CMW500	150313	2026-07-22
Base Station Simulator	R & S	CMW500	150314	2026-07-22
Base Station Simulator	R & S	CMW500	162790	2026-07-22
Base Station Simulator	R & S	CMW500	169803	2026-12-29
Base Station Simulator	R & S	CMW500	169801	2026-12-29
Base Station Simulator	R & S	CMW500	169798	2026-07-22
Base Station Simulator	R & S	CMW500	169799	2026-07-22
Base Station Simulator	R & S	CMW500	169800	2026-07-22
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY57510596	2026-07-22
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY59150850	2026-12-29
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY58120110	2026-12-29
Radio Communication Test Station	Anritsu	MT8000A	6272466165	2026-07-21
Radio Communication Analyzer	Anritsu	MT8821C	6161094351	2026-07-21

Note(s):

1. For System Validation Dipole, Calibration interval applied every 2 years.
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

SAR 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.

SAR Measurement Uncertainty of 9MHz to 19MHz

Measurement uncertainty for 4 MHz to 300 MHz

(According to IEEE 62209-1528)

a	b	c		d	e f(d,k)	f	g	h = c*f/e	l = c*g/e	k	Contributions (%)	
Uncertainty component	Reference	Tol. 1 g (±%)	Tol. 10 g (±%)	Prob. Dist.	Div.	ci (1 g)	ci (10 g)	1 g ui (± %)	10 g ui (± %)	vi	1 g	10 g
Measurement System Errors												
Probe Calibration	8.4.1.1	13.3		Normal	2	1	1	6.65	6.65	∞	29.31	25.01
Probe Calibration Drift	8.4.1.2	1.7		Rectangular	1.732	1	1	1.0	1.0	∞	0.64	0.54
Probe Linearity	8.4.1.3	4.7		Rectangular	1.732	1	1	2.7	2.7	∞	4.88	4.16
Broadband Signal	8.4.1.4	0.8		Rectangular	1.732	1	1	0.5	0.5	∞	0.14	0.12
Probe Isotropy	8.4.1.5	7.6		Rectangular	1.732	1	1	4.4	4.4	∞	12.76	10.89
Data Acquisition	8.4.1.6	0.3		Normal	1	1	1	0.3	0.3	∞	0.04	0.04
RF Ambient	8.4.1.7	1.8		Normal	1	1	1	1.8	1.8	∞	2.15	1.83
Probe Positioning	8.4.1.8	0.006		Normal	1	0.14	0.14	0.10	0.10	∞	0.01	0.01
Data Processing	8.4.1.9	1.2		Normal	1	1	1	1.2	1.2	∞	0.95	0.81
Phantom and Device Errors												
Conductivity (meas.)DAK	8.4.2.1	2.5		Normal	1	0.78	0.71	2.0	1.8	∞	2.52	1.78
Conductivity (temp.)BB	8.4.2.2	5.4		Rectangular	1.732	0.78	0.71	2.4	2.2	∞	3.92	2.77
Phantom Permittivity	8.4.2.3	14.0		Rectangular	1.732	0	0	0.0	0.0	∞	0.00	0.00
Distance DUT-TSL	8.4.2.4	2.0		Normal	1	2	2	4.0	4.0	∞	10.61	9.05
Device Positioning	8.4.2.5	2.0	5.7	Normal	1	1	1	2.0	5.7	40	2.60	18.44
Device Holder	8.4.2.6	3.6		Normal	1	1	1	3.6	3.6	∞	8.59	7.33
DUT Modulation	8.4.2.7	2.4		Rectangular	1.732	1	1	1.4	1.4	∞	1.27	1.09
Time-average SAR	8.4.2.8	1.7		Rectangular	1.732	1	1	1.0	1.0	∞	0.64	0.54
DUT drift	8.4.2.9	5.0		Normal	1	1	1	5.0	5.0	∞	16.57	14.14
Correction to the SAR results												
Deviation to Target	8.4.3.1	1.9		Normal	1	1	0.84	1.9	1.6	∞	2.39	1.44
Combined Standard Uncertainty Uc(y) =								RSS	12.28	13.30		
Expanded Uncertainty U, Coverage Factor = 2, > 95 % Confidence =								24.56	26.59			

SAR Measurement Uncertainty of 6GHz to 10GHz**Measurement uncertainty for 6 GHz to 10 GHz**

(According to IEEE 62209-1528)

a	b	c		d	e f(d,k)	f	g	h = c*f/e	i = c*g/e	k	Contributions (%)	
Uncertainty component	Reference	Tol. 1 g (±%)	Tol. 10 g (±%)	Prob. Dist.	Div.	c _i (1 g)	c _i (10 g)	1 g u _i (± %)	10 g u _i (± %)	v _i	1 g	10 g
Measurement System Errors												
Probe Calibration	8.4.1.1	18.6		Normal	2	1	1	9.3	9.3	∞	40.48	40.06
Probe Calibration Drift	8.4.1.2	1.7		Rectangular	1.732	1	1	1.0	1.0	∞	0.45	0.45
Probe Linearity	8.4.1.3	4.7		Rectangular	1.732	1	1	2.7	2.7	∞	3.45	3.41
Broadband Signal	8.4.1.4	2.8		Rectangular	1.732	1	1	1.6	1.6	∞	1.22	1.21
Probe Isotropy	8.4.1.5	7.6		Rectangular	1.732	1	1	4.4	4.4	∞	9.01	8.92
Data Acquisition	8.4.1.6	0.3		Normal	1	1	1	0.3	0.3	∞	0.03	0.03
RF Ambient	8.4.1.7	1.8		Normal	1	1	1	1.8	1.8	∞	1.52	1.50
Probe Positioning	8.4.1.8	0.005		Normal	1	0.50	0.50	0.25	0.25	∞	0.03	0.03
Data Processing	8.4.1.9	3.5		Normal	1	1	1	3.5	3.5	∞	5.73	5.67
Phantom and Device Errors												
Conductivity (meas.)DAK	8.4.2.1	2.5		Normal	1	0.78	0.71	2.0	1.8	∞	1.78	1.46
Conductivity (temp.)BB	8.4.2.2	2.4		Rectangular	1.732	0.78	0.71	1.1	1.0	∞	0.55	0.45
Phantom Permittivity	8.4.2.3	14.0		Rectangular	1.732	0	0	0.0	0.0	∞	0.00	0.00
Distance DUT-TSL	8.4.2.4	2.0		Normal	1	2	2	4.0	4.0	∞	7.49	7.41
Device Positioning	8.4.2.5	4.0	4.5	Normal	1	1	1	4.0	4.5	50	7.45	9.30
Device Holder	8.4.2.6	3.6		Normal	1	1	1	3.6	3.6	∞	6.07	6.00
DUT Modulation	8.4.2.7	2.4		Rectangular	1.732	1	1	1.4	1.4	∞	0.90	0.89
Time-average SAR	8.4.2.8	1.7		Rectangular	1.732	1	1	1.0	1.0	∞	0.45	0.45
DUT drift	8.4.2.9	5.0		Normal	1	1	1	5.0	5.0	∞	11.70	11.58
Correction to the SAR results												
Deviation to Target	8.4.3.1	1.9		Normal	1	1	0.84	1.9	1.6	∞	1.69	1.18
Combined Standard Uncertainty Uc(y) =								RSS	14.62	14.69		
Expanded Uncertainty U, Coverage Factor = 2, > 95 % Confidence =									29.23	29.39		

APD Measurement Uncertainty of 6GHz to 10GHz**Uncertainty Budget for psSAR / psAPD Assessments**

(Frequency band : 6 - 10GHz range)

Symbol	Error Description	Uncert.	Prob. Dist	Div.	<i>c_i</i> (1g) / (1 cm ²)	<i>c_i</i> (8g/10g) / (4 cm ²)	Std. Unc. (1 g) / (1 cm ²)	Std. Unc. (8g/10g) / (4 cm ²)
psSAR	Module SAR V16.2 (Table 6.3.3)	±14.2/14.1%	N	1	1	1	±14.2%	±14.1%
PDC	Power Density Conversion	±13.5%	R	1.732	1	1	±7.8%	±7.8%
$u(\Delta\text{SAR})$	Combined Uncertainty						±16.2%	±16.9%
U	Expanded Uncertainty in dB						±32.4%	±32.2%
							±1.2dB	±1.2dB

IPD Measurement Uncertainty of 6GHz to 10GHz

Error Description	Uncertainty value ($\pm$ dB)	Probe Dist.	Divisor	(Ci)	Std. Unc. ($\pm$ dB)	(Vi)
Uncertainty terms dependent on the measurement system						
Calibration	0.49	Normal	1.00	1.00	0.49	Infinity
Probe correction	0.00	Rectangular	1.73	1.00	0.00	Infinity
Frequency response (BW =< 1 GHz)	0.20	Rectangular	1.73	1.00	0.12	Infinity
Sensor cross coupling	0.00	Rectangular	1.73	1.00	0.00	Infinity
Isotropy	0.50	Rectangular	1.73	1.00	0.29	Infinity
Linearity	0.20	Rectangular	1.73	1.00	0.12	Infinity
Probe scattering	0.00	Rectangular	1.73	1.00	0.00	Infinity
Probe positioning offset	0.30	Rectangular	1.73	1.00	0.17	Infinity
Probe positioning repeatability	0.04	Rectangular	1.73	1.00	0.02	Infinity
Sensor mechanical offset	0.00	Rectangular	1.73	1.00	0.00	Infinity
Probe spatial resolution	0.00	Rectangular	1.73	1.00	0.00	Infinity
Field impedance dependance	0.00	Rectangular	1.73	1.00	0.00	Infinity
Measurement drift	0.05	Rectangular	1.73	1.00	0.03	Infinity
Amplitude and phase noise	0.04	Rectangular	1.73	1.00	0.02	Infinity
Measurement area truncation	0.10	Rectangular	1.73	1.00	0.06	Infinity
Data acquisition	0.03	Normal	1.00	1.00	0.03	Infinity
Sampling	0.00	Rectangular	1.73	1.00	0.00	Infinity
Field reconstruction	0.60	Rectangular	1.73	1.00	0.35	Infinity
Signal-to-Noise Ratio	0.00	Rectangular	1.73	1.00	0.00	Infinity
FTE/MEO	0.00	Rectangular	1.73	1.00	0.00	Infinity
Power density scaling	0.00	Rectangular	1.73	1.00	0.00	Infinity
Spatial averaging	0.10	Rectangular	1.73	1.00	0.06	Infinity
Uncertainty terms dependent on the DUT and environmental factors						
Probe coupling with DUT	0.00	Rectangular	1.73	1.00	0.00	Infinity
Modulation response	0.40	Rectangular	1.73	1.00	0.23	Infinity
Integration time	0.00	Rectangular	1.73	1.00	0.00	Infinity
Response time	0.00	Rectangular	1.73	1.00	0.00	Infinity
Device holder influence	0.10	Rectangular	1.73	1.00	0.06	Infinity
DUT alignment	0.00	Rectangular	1.73	1.00	0.00	Infinity
RF ambient conditions	0.04	Rectangular	1.73	1.00	0.02	Infinity
Laboratory Temperature	0.05	Rectangular	1.73	1.00	0.03	Infinity
Laboratory Reflections	0.04	Rectangular	1.73	1.00	0.02	Infinity
Immunity / secondary reception	0.00	Rectangular	1.73	1.00	0.00	Infinity
Drift of the DUT	0.20	Rectangular	1.73	1.00	0.12	Infinity
Combined Std. Uncertainty					0.76	
Expanded Standard Uncertainty (95%)					1.53	

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	☒ The Back Cover is not removable.					
Battery Options	☒ The rechargeable battery is not user accessible					
Wireless Router (Hotspot)	Wi-Fi Hotspot mode permits the device to share its cellular data connection with other Wi-Fi-enabled devices. ☒ Mobile Hotspot (Wi-Fi 2.4 GHz) ☒ Mobile Hotspot (Wi-Fi 5.2 GHz_U-NII 1, Wi-Fi 5.8 GHz_U-NII 3) ☒ Mobile Hotspot (Wi-Fi 6 GHz_U- NII 5,6,7,8-VLP)					
Wi-Fi Direct	Wi-Fi Direct enabled devices transfer data directly between each other ☒ Wi-Fi Direct (Wi-Fi 2.4 GHz) ☒ Wi-Fi Direct (Wi-Fi 5.2 GHz_U-NII 1, Wi-Fi 5.8 GHz_U-NII 3)					
Test Sample Information	No.	S/N	Notes	No.	S/N	Notes
	1	9ac2f1c91a4d7ece	Main Conduction	16	R3GL20D3TLL	Main Radiation
	2	9ac2f1cd234d7ece	Main Conduction	17	R3GL10KMFTB	Main Radiation
	3	9bc22e08054f7ece	Main Conduction	18	R3GL10KMFWH	Main Radiation
	4	9ac30a90ed4d7ece	Main Conduction	19	53434c5849373798	Main Radiation
	5	9bc22e08064f7ece	Main Conduction	20	R3GL10KMBPF	Main Radiation
	6	9bb3df7c2c4f7ece	Main Conduction	21	R3GL10KMBWN	Main Radiation
	7	9bc22e08ee4f7ece	Main Conduction	22	R3GL402CDJW	WLAN/BT Radiation
	8	9ac30a91894d7ece	Main Conduction	23	R3GL402C8YY	WLAN/BT Radiation
	9	R3GL20D3SAE	WLAN/BT Conduction	24	R3GL10KMYDN	WLAN/BT Radiation
	10	9bb3df7c0b4f7ece	WLAN/BT Conduction	25	R3GL10KLZ1H	WLAN/BT Radiation
	11	R3GL20D5D8K	WLAN/BT Conduction	26	R3GL10KM1JN	WLAN/BT Radiation
	12	R3GL10KMF4L	Main Radiation	27	R3GL10KMXWN	WLAN/BT Radiation
	13	R3GL10KMEKN	Main Radiation	28	R3L402C8LP	WLAN/BT Radiation
	14	R3GL10KME0N	Main Radiation	29	R3GL20D3TLL	NFC Radiation
	15	R3GL10KMJ5A	Main Radiation	30	R3GL20D4FDD	UWB Radiation

6.2. Wireless Technologies

Wireless technologies	Frequency bands	Operating mode		Duty Cycle used for SAR testing
GSM	850 1900	Voice (GMSK) GPRS (GMSK) EGPRS (8PSK)	GPRS Multi-Slot Class: ☐ Class 8 - 1 Up, 4 Down ☐ Class 10 - 2 Up, 4 Down ☐ Class 12 - 4 Up, 4 Down ☒ Class 33 - 4 Up, 5 Down	GSM Voice: 12.5% (E)GPRS: 1 Slot: 12.5% 2 Slots: 25% 3 Slots: 37.5% 4 Slots: 50%
	Does this device support DTM (Dual Transfer Mode)? ☐ Yes ☒ No			
W-CDMA (UMTS)	Band II Band IV Band V	UMTS Rel. 99 (Voice & Data) HSDPA & DC-HSDPA (Category 24) HSUPA (Category 6) & HSPA+ (DL only)		100%
LTE	FDD Bands 71/12/13/14/26/5/66/4/25/2/30/7 TDD Bands 38/41/48	QPSK/ 16QAM/ 64QAM/ 256QAM Rel. 17 Carrier Aggregation (2 Uplink and 5 Downlinks) <u>UL CA intraband-contiguous (2CC)</u> 48C		100% (FDD) 63.3% (TDD) Power Class 3
	Does this device support SV-LTE (1xRTT-LTE)? ☐ Yes ☒ No			
5G NR (Sub6)	FDD Bands n71/n12/n14/n26/n5/n7/n66/n25/ n2/ n30/n70 TDD Bands n38/n41 ² /n48/n77 ² /n78 ²	DFT-s-ODFM: ■ $\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-ODFM: ■ QPSK, 16QAM, 64QAM, 256QAM		100%
NB-NTN	FDD Bands B255	BPSK QPSK		100%
Wi-Fi	2.4 GHz	802.11b/802.11g/802.11n (HT20)/802.11ac (VHT20)/802.11ax (HE20)/802.11be (EHT20)		97.3% (802.11b)
	5 GHz	802.11a/802.11n (HT20/HT40) 802.11ac (VHT20/VHT40/VHT80/VHT160) 802.11ax (HE20/HE40/HE80/HE160) 802.11be (EHT20/EHT40/EHT80/EHT160)		94.3% (802.11ac(VHT80))
	6GHz (LPI/SP/VLP)	802.11a, 802.11ax (HE20/HE40/HE80/HE160) 802.11be (EHT20/EHT40/EHT80/EHT160/EHT320)		99.2% (802.11be (EHT320))
	Does this device support bands 5.60 ~ 5.65 GHz? ☒ Yes ☐ No			
	Does this device support Band gap channel(s)? ☒ Yes ☐ No			
Bluetooth	2.4 GHz	Version 6.0+LE		85.0% _(BT-LE_1M) 76.6% _(BT-BDR)
NFC	13.56 MHz	Type A/B/F/V		100%
UWB	6489.6 MHz, 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) for NR Band n41/n77/n78
3. NR TDD Band n41/n48/n77/n78 has support SRS (1, 2, 3, 4) modes.
4. 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.
5. This device has support to DLCA (Downlink carrier aggregation) in LTE and NR techs. But Uplink output power is not affected even if DLCA configurations are added. So DLCA cases do not need to be considered separately.

6.3. Time-Averaging Feature

The equipment under test (EUT) contains the Qualcomm modems supporting WWAN/WLAN/BT/NTN. 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.

But UWB/NFC does not support Qualcomm Smart Transmit feature. This technologies defines ER (External Ratio).

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} .

The maximum time-averaged output power (dBm) for any WWAN/WLAN/BT/NTN, 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.

Table 6.3.1 shows P_{limit} NV settings and maximum tune up output power $P_{\max}$ configured for this EUT for various transmit conditions (DSI=Device State Index) in Sec.6.3.1

Demonstrating compliance of EUT enabled with Qualcomm Smart Transmit is completed in three parts:

Part.0: The SAR Characterization, denoted as SAR Char, determines the power limit that meets FCC exposure requirement after accounting for device design related uncertainties for each supported radio configuration and RF exposure usage scenario. The determined power limits will be loaded and stored in the EUT via the Embedded File System (EFS), and then used as inputs for Smart Transmit to operate.

Part.1: Part 1 test is to demonstrate that EUT meets FCC SAR when the Tx power is at pre-determined maximum time-averaged power level for Radios of Supported TAS bands. The SAR measurement in Part 1 is under static transmission condition. The compliance for ER (External Ratio: Non Supported TAS bands) radio is demonstrated at a fixed power level (fixed = maximum RF tune-up level or power-back off level). The exposure from the simultaneous transmission of ER is evaluated in Part 1 report.

Part.2: In Part 2 test, the compliance is assessed in Tx varying transmission condition to validate the Qualcomm Smart Transmit algorithm. The test results reported in Part 2 demonstrates that EUT complies with FCC RF exposure requirement under Tx varying transmission scenarios, thereby validity of Qualcomm Smart Transmit algorithm for FCC equipment authorization of EUT.

6.3.1. DSI and Plimit Determination

Table 6.3.1: Plimit Result According to Technologies and Bands in Each DSIs

Exposure condition			Folder Open Body-worn & Hotspot	Folder Open Product Specific 10-g	Folder Closed Body-worn & Hotspot	Folder Closed Product Specific 10-g	Folder Open Head	Folder Closed Head	Pmax (Maximum tune-up Power) (dBm)
Spatial-average			1g	10g	1g	10g	1g	1g	
Test distance (mm)			5/10	0	5/10	0	0	0	
Configuration			Folder Open	Folder Open	Folder Closed	Folder Closed	Folder Open	Folder Closed	
DSI:			0		1		2		3
RF Air Interface	Antenna	Antenna Group	Plimit corresponding to 1.0 W/kg (SAR_design_target) (1g) / 2.5 W/kg (SAR_design_target) (10g)						
GSM 850	A, A+B	AG 0	21.3		21.3		26.3	27.3	25.3
GSM 850	D	AG 1	20.3		20.3		26.1	29.4	25.1
GSM 1900	B	AG 0	16.3		18.3		16.3	26.2	22.3
WCDMA 2	F	AG 1	15.5		16.5		15.5	20.5	24.0
WCDMA 4	F	AG 1	15.5		15.5		15.5	19.0	23.5
WCDMA 5	A, A+B	AG 0	22.0		22.0		25.3	25.7	24.3
WCDMA 5	D	AG 1	21.0		21.0		29.4	27.5	24.3
LTE Band 71	A, A+B	AG 0	22.0		22.0		30.0	31.0	24.5
LTE Band 71	D	AG 1	22.0		23.0		31.6	31.3	24.0
LTE Band 12	A, A+B	AG 0	22.0		22.0		29.0	28.4	24.2
LTE Band 12	D	AG 1	22.0		23.0		29.7	31.1	24.0
LTE Band 13	A, A+B	AG 0	22.0		22.0		27.1	27.6	24.5
LTE Band 13	D	AG 1	22.0		23.0		27.3	28.7	24.0
LTE Band 14	A, A+B	AG 0	22.0		22.0		27.3	27.4	24.5
LTE Band 14	D	AG 1	22.0		23.0		27.7	29.0	24.0
LTE Band 26	A, A+B	AG 0	22.0		22.0		26.2	26.1	24.5
LTE Band 26	D	AG 1	21.0		21.0		25.7	27.7	24.0
LTE Band 5	A, A+B	AG 0	22.0		22.0		26.4	25.7	24.5
LTE Band 5	D	AG 1	21.0		21.0		26.5	28.2	24.0
LTE Band 66(4)	B	AG 0	15.0		16.0		15.0	27.1	24.0
LTE Band 66(4)	F	AG 1	15.5		15.5		19.0	20.0	24.2
LTE Band 25(2)	B	AG 0	15.5		17.0		15.5	25.6	24.0
LTE Band 25(2)	F	AG 1	15.5		16.5		19.0	21.0	24.2
LTE Band 30	B	AG 0	13.5		16.5		13.5	28.4	23.5
LTE Band 30	F	AG 1	14.0		16.5		14.0	18.0	23.5
LTE Band 7	B	AG 0	14.5		16.0		14.5	29.3	24.0
LTE Band 7	F	AG 1	14.0		16.0		14.0	17.0	24.0
LTE Band 41(38)	B	AG 0	14.5		16.0		14.5	29.0	22.0
LTE Band 41(38)	F	AG 1	14.0		16.0		14.0	15.5	22.0
LTE Band 48	E	AG 1	15.0		17.0		17.0	18.0	20.5
NTN Band 255	F	AG1	17.0		18.0		N/A	N/A	24.0
NR Band n71	A, A+B	AG 0	22.0		22.0		29.3	29.8	24.5
NR Band n71	D	AG 1	22.0		23.0		29.0	32.0	24.5
NR Band n12	A, A+B	AG 0	22.0		22.0		28.2	27.6	24.2
NR Band n12	D	AG 1	22.0		23.0		28.4	31.5	24.2
NR Band n14	A, A+B	AG 0	22.0		22.0		26.2	27.1	24.0
NR Band n14	D	AG 1	22.0		23.0		25.4	28.5	24.0
NR Band n26	A, A+B	AG 0	22.0		22.0		25.8	25.6	24.5
NR Band n26	D	AG 1	21.0		21.0		25.5	28.3	24.5
NR Band n5	A, A+B	AG 0	22.0		22.0		25.5	25.7	24.5
NR Band n5	D	AG 1	21.0		21.0		25.5	28.4	24.5
NR Band n7	B	AG 0	14.5		16.0		14.5	30.3	24.0
NR Band n7	F	AG 1	14.0		16.0		14.0	17.0	23.5
NR Band n66	B	AG 0	15.0		16.0		15.0	25.7	24.0
NR Band n66	F	AG 1	15.5		15.5		19.0	20.0	24.2
NR Band n25(2)	B	AG 0	15.5		17.0		15.5	26.4	24.0
NR Band n25(2)	F	AG 1	15.5		16.5		19.0	21.0	24.2
NR Band n30	B	AG 0	13.5		16.5		13.5	27.7	23.0
NR Band n30	F	AG 1	14.0		16.5		14.0	18.5	23.0
NR Band n70	B	AG 0	15.5		17.0		15.5	25.2	23.5
NR Band n70	F	AG 1	15.5		15.5		19.0	19.0	23.5
NR Band n48 SRS1	E	AG 1	15.0		17.0		17.0	18.0	23.8
NR Band n48 SRS2	A	AG 0	12.0		12.0		12.0	12.0	21.5
NR Band n48 SRS3	F	AG 1	12.0		12.0		12.0	12.0	22.0
NR Band n48 SRS4	C	AG 0	12.0		12.0		12.0	12.0	21.0
NR Band n41 SRS1 (PC2 SA)	F	AG 1	14.0		16.0		14.0	15.5	26.0
NR Band n41 SRS1 (PC2 SA)- RCV	F	AG 1	14.0		16.0		14.0	15.5	24.0
NR Band n41 SRS2 (PC2 SA)	B	AG 0	14.5		16.0		14.5	19.0	23.0
NR Band n41 SRS3 (PC2 SA)	E	AG 1	12.0		12.0		12.0	12.0	25.0
NR Band n41 SRS4 (PC2 SA)	C	AG 0	12.0		12.0		12.0	12.0	23.5
NR Band n41 Switching SRS1 (PC2 SA)	B	AG 0	14.5		16.0		14.5	23.0	26.0
NR Band n41 Switching SRS1 (PC2 SA)- RCV	B	AG 0	14.5		16.0		14.5	23.0	24.0
NR Band n41 Switching SRS2 (PC2 SA)	F	AG 1	14.0		16.0		14.0	15.5	23.5
NR Band n41 Switching SRS3 (PC2 SA)	C	AG 0	12.0		12.0		12.0	12.0	25.0
NR Band n41 Switching SRS4 (PC2 SA)	E	AG 1	12.0		12.0		12.0	12.0	21.0

Notes:

1. 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} .
2. P_{max} and P_{limit} mentioned in the table did not include tolerance.
3. All P_{limit} EFS and maximum tune up output P_{max} levels entered in above Table correspond to average power levels after accounting for duty cycle in the case of TDD modulation schemes (e.g GSM and LTE TDD).
4. P_{limit} value listed above table is referenced from Sec.10. Some bands (inc. Orange & Blue boxes) were determined more conservative P_{limit} instead of calculation P_{limit} Sec.10.
5. P_{limit} (DSI=1) was determined to be the lower of "Body-worn & Hotspot" and Product Specific 10-g" in each bands.
6. In MIMO mode, P_{limit} and P_{max} are based on output power of each antennas.

Table 6.3.1: Plimit Result According to Technologies and Bands in Each DSIs (Continued)

Exposure condition			Folder Open Body-worn & Hotspot	Folder Open Product Specific 10-g	Folder Closed Body-worn & Hotspot	Folder Closed Product Specific 10-g	Folder Open Head	Folder Closed Head	P _{max} (Maximum tune-up Power) (dBm)
Spatial-average			1g	10g	1g	10g	1g	1g	
Test distance (mm)			5/10	0	5/10	0	0	0	
Configuration			Folder Open	Folder Open	Folder Closed	Folder Closed	Folder Open	Folder Closed	
DSI:			0		1		2	3	
RF Air Interface	Antenna	Antenna Group	P _{limit} corresponding to 1.0 W/kg (SAR _{design_target}) (1g) / 2.5 W/kg (SAR _{design_target}) (10g)						
NR Band n41 SRS1 (PC2 NSA)	F	AG 1	14.0		16.0		14.0	15.5	25.0
NR Band n41 SRS1 (PC2 NSA)- RCV	F	AG 1	14.0		16.0		14.0	15.5	24.0
NR Band n41 SRS2 (PC2 NSA)	B	AG 0	14.5		16.0		14.5	19.0	22.0
NR Band n41 SRS3 (PC2 NSA)	E	AG 1	12.0		12.0		12.0	12.0	24.0
NR Band n41 SRS4 (PC2 NSA)	C	AG 0	12.0		12.0		12.0	12.0	22.5
NR Band n77(78) SRS1 (PC2 SA)	E	AG 1	15.0		16.0		16.0	18.0	26.0
NR Band n77(78) SRS2 (PC2 SA)	A	AG 0	12.0		12.0		12.0	12.0	23.0
NR Band n77(78) SRS3 (PC2 SA)	F	AG 1	12.0		12.0		12.0	12.0	24.0
NR Band n77(78) SRS4 (PC2 SA)	C	AG 0	12.0		12.0		12.0	12.0	23.0
DTS SISO Ant. 1	D	AG 1	17.0		17.0		14.5	14.5	19.0
DTS SISO Ant. 2	G	AG 1	17.0		17.0		14.5	14.5	19.0
DTS MIMO	D+G	AG 1	16.0		17.0		14.5	14.5	19.0
UNII-2A SISO Ant. 1	E	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-2A SISO Ant. 2	D	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-2A MIMO	E+D	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-2C SISO Ant. 1	E	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-2C SISO Ant. 2	D	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-2C MIMO	E+D	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-3 SISO Ant. 1	E	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-3 SISO Ant. 2	D	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-3 MIMO	E+D	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-4 SISO Ant. 1	E	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-4 SISO Ant. 2	D	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-4 MIMO	E+D	AG 1	13.0		13.0		15.0	15.0	17.0
WiFi 6E SISO Ant. 1	E	AG 1	11.5		11.5		11.5	11.5	16.0
WiFi 6E SISO Ant. 2	D	AG 1	11.5		11.5		11.5	11.5	16.0
WiFi 6E MIMO	E+D	AG 1	11.5		11.5		11.5	11.5	16.0
Bluetooth Ant. 1	D	AG 1	16.0		16.0		13.0	13.0	19.0
Bluetooth Ant. 2	G	AG 1	16.0		16.0		13.0	13.0	19.0
Bluetooth MIMO	D+G	AG 1	13.5		13.5		13.0	13.0	14.0

Notes:

1. 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} .
2. P_{max} (Maximum tune-up power) is specified in tune-up document. The maximum allowed power is equal to maximum tune up power + 1 dB device design uncertainty.
3. All P_{limit} EFS and maximum tune up output P_{max} levels entered in above Table correspond to average power levels after accounting for duty cycle in the case of TDD modulation schemes (e.g GSM and LTE TDD).
4. P_{limit} value listed above table is referenced from Sec.10. Some bands (inc. Orange & Blue boxes) were determined more conservative P_{limit} instead of calculation P_{limit} Sec.10.
5. P_{limit} (DSI=1) was determined to be the lower of "Body-worn & Hotspot" and Product Specific 10-g" in each bands.
6. In MIMO mode, P_{limit} and P_{max} are based on output power of each antennas.

6.4. Maximum Allowed Output power

Maximum allowed output power means that $P_{\max}$ or $P_{\text{limit}} + 1\text{dB}$ device uncertainty for each DSI.
Detail of DSI (Device State Index) conditions, please refer to Part.0 Report.

WWAN Bands Maximum Allowed Output Power

GSM Bands

RF Air interface	Antenna	Mode	Time Slots	Maximum allowed output power (dBm)									
				Pmax		Plimit							
						DSI = 0 (Folder Open-Body)		DSI = 1 (Folder Close-Body)		DSI = 2 (Folder Open-Head)		DSI = 3 (Folder Close-Head)	
				Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GSM850	Ant.A & Ant.A+B	Voice	1	33.50	24.30	31.50	22.30	31.50	22.30	33.50	24.30	33.50	24.30
		GPRS	1	33.50	24.30	31.50	22.30	31.50	22.30	33.50	24.30	33.50	24.30
		GPRS	2	32.50	26.30	28.50	22.30	28.50	22.30	32.50	26.30	32.50	26.30
		GPRS	3	30.50	26.10	26.70	22.30	26.70	22.30	30.50	26.10	30.50	26.10
		GPRS	4	28.50	25.30	25.50	22.30	25.50	22.30	28.50	25.30	28.50	25.30
		EGPRS	1	28.00	18.80	28.00	18.80	28.00	18.80	28.00	18.80	28.00	18.80
		EGPRS	2	26.00	19.80	26.00	19.80	26.00	19.80	26.00	19.80	26.00	19.80
		EGPRS	3	24.00	19.60	24.00	19.60	24.00	19.60	24.00	19.60	24.00	19.60
GSM1900	Ant.B	Voice	1	31.50	22.30	26.50	17.30	28.50	19.30	26.50	17.30	31.50	22.30
		GPRS	1	31.50	22.30	26.50	17.30	28.50	19.30	26.50	17.30	31.50	22.30
		GPRS	2	29.50	23.30	23.50	17.30	25.50	19.30	23.50	17.30	29.50	23.30
		GPRS	3	27.50	23.10	21.70	17.30	23.70	19.30	21.70	17.30	27.50	23.10
		GPRS	4	26.00	22.80	20.50	17.30	22.50	19.30	20.50	17.30	26.00	22.80
		EGPRS	1	27.00	17.80	26.50	17.30	27.00	17.80	26.50	17.30	27.00	17.80
		EGPRS	2	25.00	18.80	23.50	17.30	25.00	18.80	23.50	17.30	25.00	18.80
		EGPRS	3	23.00	18.60	21.70	17.30	23.00	18.60	21.70	17.30	23.00	18.60
GSM850	Ant.D	Voice	1	33.50	24.30	30.50	21.30	30.50	21.30	33.50	24.30	33.50	24.30
		GPRS	1	33.50	24.30	30.50	21.30	30.50	21.30	33.50	24.30	33.50	24.30
		GPRS	2	31.50	25.30	26.50	20.30	26.50	20.30	31.50	25.30	31.50	25.30
		GPRS	3	30.50	26.10	25.50	21.10	25.50	21.10	30.50	26.10	30.50	26.10
		GPRS	4	28.50	25.30	24.00	20.80	24.00	20.80	28.50	25.30	28.50	25.30
		EGPRS	1	28.00	18.80	28.00	18.80	28.00	18.80	28.00	18.80	28.00	18.80
		EGPRS	2	26.00	19.80	26.00	19.80	26.00	19.80	26.00	19.80	26.00	19.80
		EGPRS	3	24.00	19.60	24.00	19.60	24.00	19.60	24.00	19.60	24.00	19.60
GSM850	Ant.D	EGPRS	4	23.00	19.80	23.00	19.80	23.00	19.80	23.00	19.80	23.00	19.80

WCDMA Bands

RF Air interface	Antenna	Mode	Maximum allowed output power (dBm)				
			Pmax	Plimit			
				DSI = 0 (Folder Open-Body)	DSI = 1 (Folder Close-Body)	DSI = 2 (Folder Open-Head)	DSI = 3 (Folder Close-Head)
W-CDMA Band V	Ant.A & Ant.A+B	R99	25.30	23.00	23.00	25.30	25.30
		HSDPA	24.30	22.00	22.00	24.30	24.30
		HSUPA	24.30	22.00	22.00	24.30	24.30
		DC-HSDPA	24.30	22.00	22.00	24.30	24.30
W-CDMA Band IV	Ant.F	R99	24.50	16.50	16.50	16.50	20.00
		HSDPA	23.50	15.50	15.50	15.50	19.00
		HSUPA	23.50	15.50	15.50	15.50	19.00
		DC-HSDPA	23.50	15.50	15.50	15.50	19.00
W-CDMA Band II	Ant.F	R99	25.00	16.50	17.50	16.50	21.50
		HSDPA	24.00	15.50	16.50	15.50	20.50
		HSUPA	24.00	15.50	16.50	15.50	20.50
		DC-HSDPA	24.00	15.50	16.50	15.50	20.50
W-CDMA Band V	Ant.D	R99	25.30	22.00	22.00	25.30	25.30
		HSDPA	24.30	21.00	21.00	24.30	24.30
		HSUPA	24.30	21.00	21.00	24.30	24.30
		DC-HSDPA	24.30	21.00	21.00	24.30	24.30

WWAN Bands Maximum Allowed Output Power (Continued)**LTE Bands**

RF Air interface	Antenna	Mode	Maximum allowed output power (dBm)				
			Pmax	Plimit			
				DSI = 0 (Folder Open-Body)	DSI = 1 (Folder Close-Body)	DSI = 2 (Folder Open-Head)	DSI = 3 (Folder Close-Head)
LTE Band 71	Ant.A & Ant.A+B	QPSK	25.50	23.00	23.00	25.50	25.50
LTE Band 71	Ant.D	QPSK	25.00	23.00	24.00	25.00	25.00
LTE Band 12	Ant.A & Ant.A+B	QPSK	25.20	23.00	23.00	25.20	25.20
LTE Band 12	Ant.D	QPSK	25.00	23.00	24.00	25.00	25.00
LTE Band 13	Ant.A & Ant.A+B	QPSK	25.50	23.00	23.00	25.50	25.50
LTE Band 13	Ant.D	QPSK	25.00	23.00	24.00	25.00	25.00
LTE Band 14	Ant.A & Ant.A+B	QPSK	25.50	23.00	23.00	25.50	25.50
LTE Band 14	Ant.D	QPSK	25.00	23.00	24.00	25.00	25.00
LTE Band 26	Ant.A & Ant.A+B	QPSK	25.50	23.00	23.00	25.50	25.50
LTE Band 26	Ant.D	QPSK	25.00	22.00	22.00	25.00	25.00
LTE Band 5	Ant.A & Ant.A+B	QPSK	25.50	23.00	23.00	25.50	25.50
LTE Band 5	Ant.D	QPSK	25.00	22.00	22.00	25.00	25.00
LTE Band 66	Ant. B	QPSK	25.00	16.00	17.00	16.00	25.00
LTE Band 66	Ant. F	QPSK	25.20	16.50	16.50	20.00	21.00
LTE Band 4	Ant. B	QPSK	25.00	16.00	17.00	16.00	25.00
LTE Band 4	Ant. F	QPSK	25.00	16.50	16.50	20.00	21.00
LTE Band 25	Ant. B	QPSK	25.00	16.50	18.00	16.50	25.00
LTE Band 25	Ant. F	QPSK	25.20	16.50	17.50	20.00	22.00
LTE Band 2	Ant. B	QPSK	25.00	16.50	18.00	16.50	25.00
LTE Band 2	Ant. F	QPSK	25.20	16.50	17.50	20.00	22.00
LTE Band 30	Ant.B	QPSK	24.50	14.50	17.50	14.50	24.50
LTE Band 30	Ant.F	QPSK	24.50	15.00	17.50	15.00	19.00
LTE Band 7	Ant.B	QPSK	25.00	15.50	17.00	15.50	25.00
LTE Band 7	Ant.F	QPSK	25.00	15.00	17.00	15.00	18.00
LTE Band 38	Ant.B	QPSK	25.00	17.50	19.00	17.50	25.00
LTE Band 38	Ant.F	QPSK	25.00	17.00	19.00	17.00	18.50
LTE Band 41	Ant.B	QPSK	25.00	17.50	19.00	17.50	25.00
LTE Band 41	Ant.F	QPSK	25.00	17.00	19.00	17.00	18.50
LTE Band 48	Ant.E	QPSK	23.50	18.00	20.00	20.00	21.00
UL CA LTE Band 48	Ant.E	QPSK	23.50	18.00	20.00	20.00	21.00

NTN Bands

RF Air interface	Antenna	Maximum allowed output power (dBm)				
		Pmax	Plimit			
			DSI = 0 (Folder Open-Body)	DSI = 1 (Folder Close-Body)	DSI = 2 (Folder Open-Head)	DSI = 3 (Folder Close-Head)
NTN Band 255	Ant.F	25.00	19.50	20.50	N/A	N/A

WWAN Bands Maximum Allowed Output Power (Continued)**NR-Sub6 FDD Bands**

RF Air interface	Antenna	Mode	Maximum allowed output power (dBm)				
			Pmax	Plimit			
				DSI = 0 (Folder Open-Body)	DSI = 1 (Folder Close-Body)	DSI = 2 (Folder Open-Head)	DSI = 3 (Folder Close-Head)
NR Band n71	Ant.A & Ant.A+B	DFT-s-OFDM QPSK	25.50	23.00	23.00	25.50	25.50
NR Band n71	Ant.D	DFT-s-OFDM QPSK	25.50	23.00	24.00	25.50	25.50
NR Band n12	Ant.A & Ant.A+B	DFT-s-OFDM QPSK	25.20	23.00	23.00	25.20	25.20
NR Band n12	Ant.D	DFT-s-OFDM QPSK	25.20	23.00	24.00	25.20	25.20
NR Band n14	Ant.A & Ant.A+B	DFT-s-OFDM QPSK	25.00	23.00	23.00	25.00	25.00
NR Band n14	Ant.D	DFT-s-OFDM QPSK	25.00	23.00	24.00	25.00	25.00
NR Band n26	Ant.A & Ant.A+B	DFT-s-OFDM QPSK	25.50	23.00	23.00	25.50	25.50
NR Band n26	Ant.D	DFT-s-OFDM QPSK	25.50	22.00	22.00	25.50	25.50
NR Band n5	Ant.A & Ant.A+B	DFT-s-OFDM QPSK	25.50	23.00	23.00	25.50	25.50
NR Band n5	Ant.D	DFT-s-OFDM QPSK	25.50	22.00	22.00	25.50	25.50
NR Band n7	Ant.B	DFT-s-OFDM QPSK	25.00	15.50	17.00	15.50	25.00
NR Band n7	Ant.F	DFT-s-OFDM QPSK	24.50	15.00	17.00	15.00	18.00
NR Band n66	Ant.B	DFT-s-OFDM QPSK	25.00	16.00	17.00	16.00	25.00
NR Band n66	Ant.F	DFT-s-OFDM QPSK	25.20	16.50	16.50	20.00	21.00
NR Band n25	Ant.B	DFT-s-OFDM QPSK	25.00	16.50	18.00	16.50	25.00
NR Band n25	Ant.F	DFT-s-OFDM QPSK	25.20	16.50	17.50	20.00	22.00
NR Band n2	Ant.B	DFT-s-OFDM QPSK	25.00	16.50	18.00	16.50	25.00
NR Band n2	Ant.F	DFT-s-OFDM QPSK	25.20	16.50	17.50	20.00	22.00
NR Band n30	Ant.B	DFT-s-OFDM QPSK	24.00	14.50	17.50	14.50	24.00
NR Band n30	Ant.F	DFT-s-OFDM QPSK	24.00	15.00	17.50	15.00	19.50
NR Band n70	Ant.B	DFT-s-OFDM QPSK	24.50	16.50	18.00	16.50	24.50
NR Band n70	Ant.F	DFT-s-OFDM QPSK	24.50	16.50	16.50	20.00	20.00

NR-Sub6 TDD Bands

RF Air interface	Antenna	Mode	Maximum allowed output power (dBm)				
			Pmax	Plimit			
				DSI = 0 (Folder Open-Body)	DSI = 1 (Folder Close-Body)	DSI = 2 (Folder Open-Head)	DSI = 3 (Folder Close-Head)
NR Band n38	Ant. F	DFT-s-OFDM QPSK	25.00	15.00	17.00	15.00	16.50
NR Band n38	Ant. B	DFT-s-OFDM QPSK	25.00	15.50	17.00	15.50	24.00
NR Band n48 (Voice/Data/SRS1)	Ant. E	DFT-s-OFDM QPSK	24.80	16.00	18.00	18.00	19.00
NR Band n48 (SRS2)	Ant. A	SRS CW	22.50	13.00	13.00	13.00	13.00
NR Band n48 (SRS3)	Ant. F	SRS CW	23.00	13.00	13.00	13.00	13.00
NR Band n48 (SRS4)	Ant. C	SRS CW	22.00	13.00	13.00	13.00	13.00
NR Band n41 - PC2 SA (Voice/Data/SRS1)	Ant. F	DFT-s-OFDM QPSK	27.00	15.00	17.00	15.00	16.50
NR Band n41 - SA (SRS2)	Ant. B	SRS CW	24.00	15.50	17.00	15.50	20.00
NR Band n41 - SA (SRS3)	Ant. E	SRS CW	26.00	13.00	13.00	13.00	13.00
NR Band n41 - SA (SRS4)	Ant. C	SRS CW	24.50	13.00	13.00	13.00	13.00
NR Band n41 switching - PC2 SA (Voice/Data/SRS1)	Ant. B	DFT-s-OFDM QPSK	27.00	15.50	17.00	15.50	24.00
NR Band n41 switching - SA (SRS2)	Ant. F	SRS CW	24.50	15.00	17.00	15.00	16.50
NR Band n41 switching - SA (SRS3)	Ant. C	SRS CW	26.00	13.00	13.00	13.00	13.00
NR Band n41 switching - SA (SRS4)	Ant. E	SRS CW	22.00	13.00	13.00	13.00	13.00
NR Band n41 - PC2 NSA (Voice/Data/SRS1)	Ant. F	DFT-s-OFDM QPSK	26.00	15.00	17.00	15.00	16.50
NR Band n41 - NSA (SRS2)	Ant. B	SRS CW	23.00	15.50	17.00	15.50	20.00
NR Band n41 - NSA (SRS3)	Ant. E	SRS CW	25.00	13.00	13.00	13.00	13.00
NR Band n41 - NSA (SRS4)	Ant. C	SRS CW	23.50	13.00	13.00	13.00	13.00
NR Band n77 - PC2 (Voice/Data/SRS1)	Ant. E	DFT-s-OFDM QPSK	27.00	16.00	17.00	17.00	19.00
NR Band n77 (SRS2)	Ant. A	SRS CW	24.00	13.00	13.00	13.00	13.00
NR Band n77 (SRS3)	Ant. F	SRS CW	25.00	13.00	13.00	13.00	13.00
NR Band n77 (SRS4)	Ant. C	SRS CW	24.00	13.00	13.00	13.00	13.00
NR Band n78 - PC2 (Voice/Data/SRS1)	Ant. E	DFT-s-OFDM QPSK	27.00	16.00	17.00	17.00	19.00
NR Band n78 (SRS2)	Ant. A	SRS CW	24.00	13.00	13.00	13.00	13.00
NR Band n78 (SRS3)	Ant. F	SRS CW	25.00	13.00	13.00	13.00	13.00
NR Band n78 (SRS4)	Ant. C	SRS CW	24.00	13.00	13.00	13.00	13.00

NR Band n41 configuration's test case determination

Band	SRS	Ant	Plimit (dBm)			
			DSI 0	DSI 1	DSI 2	DSI 3
NR Band n41 (PC2 SA)	1	F	15.00	17.00	15.00	16.50
	2	B	15.50	17.00	15.50	20.00
	3	E	13.00	13.00	13.00	13.00
	4	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 (PC2 SA)	1	B	15.50	17.00	15.50	24.00
	2	F	15.00	17.00	15.00	16.50
	3	C	13.00	13.00	13.00	13.00
	4	E	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)	1	F	15.00	17.00	15.00	16.50
	2	B	15.50	17.00	15.50	20.00
	3	E	13.00	13.00	13.00	13.00
	4	C	13.00	13.00	13.00	13.00

Notes:

1. Since the target in PC2 SA and PC2 NSA is the same, measurements are performed in PC2 SA.
2. For NR band n41 (including SRS1/2/3/4), the number of SAR test cases was reduced as the same or lower Plimits were applied to SA switching and SA/NSA.
Therefore, full SAR testing was performed in the orange box section of the table above. SAR testing was performed for the worst-case scenario in the purple box section. For details on the test results, please refer to Section 10 of the report.

WLAN Bands Maximum Allowed Output Power

1. DTS and UNII supports SISO & MIMO mode
2. WLAN has support to RSDB operation. Detail of RSDB scenarios refer to Sec.14.
3. Each Antennas has same target power during MIMO mode (MIMO target power = SISO target power +3 dB)

P_{max}

RF Air interface	Band	Maximum allowed output power (dBm) - Pmax																							
		802.11 mode																							
		DTS : SISO 1(Ant.D) & UNII : SISO 1 (Ant.E)								DTS : SISO 2(Ant.G) & UNII : SISO 2 (Ant.D)								DTS : MIMO (Ant.D+Ant.G) & UNII : MIMO (Ant.E+Ant.D)							
		a	b	g	n	ac	ax(SU)	be(SU)	a	b	g	n	ac	ax(SU)	be(SU)	a	b	g	n	ac	ax(SU)	be(SU)			
WiFi 2.4 GHz	DTS		20.0	18.0	18.0	18.0	18.0 ch.11: 16.5	18.0 ch.11: 16.5		20.0	18.0	18.0	18.0	18.0 ch.11: 16.5	18.0 ch.11: 16.5		23.0	21.0	21.0	21.0	21.0 ch.11: 19.5	21.0 ch.11: 19.5			
WiFi 5 GHz (BW : 20MHz)	UN1-	18.0			18.0	18.0	18.0	18.0				18.0	18.0	18.0	18.0	21.0			21.0	21.0	21.0	21.0			
	UN1-2A	18.0			18.0	18.0	18.0	18.0				18.0	18.0	18.0	18.0	21.0			21.0	21.0	21.0	21.0			
	UN1-2C	18.0			18.0	18.0	18.0	18.0				18.0	18.0	18.0	18.0	21.0			21.0	21.0	21.0	21.0			
	UN1-3	18.0			18.0	18.0	18.0	18.0				18.0	18.0	18.0	18.0	21.0			21.0	21.0	21.0	21.0			
WiFi 5 GHz (BW : 40MHz)	UN1-4	18.0			18.0	18.0	18.0	18.0				18.0	18.0	18.0	18.0	21.0			21.0	21.0	21.0	21.0			
	UN1-1				18.0	18.0	18.0 ch.38: 17.0	18.0 ch.38: 17.0				18.0	18.0	18.0 ch.38: 17.0	18.0 ch.38: 17.0				21.0	21.0	21.0 ch.38: 20.0	21.0 ch.38: 20.0			
	UN1-2A				18.0	18.0	18.0	18.0				18.0	18.0	18.0	18.0				21.0	21.0	21.0	21.0			
	UN1-2C				18.0	18.0	18.0	18.0				18.0	18.0	18.0	18.0				21.0	21.0	21.0	21.0			
WiFi 5 GHz (BW : 80MHz)	UN1-3				18.0	18.0	18.0	18.0				18.0	18.0	18.0	18.0				21.0	21.0	21.0	21.0			
	UN1-4				18.0	18.0	18.0	18.0				18.0	18.0	18.0	18.0				21.0	21.0	21.0	21.0			
	UN1-1				18.0	18.0	18.0 ch.42: 17.0	18.0 ch.42: 17.0				18.0	18.0	18.0 ch.42: 17.0	18.0 ch.42: 17.0				21.0	21.0	21.0 ch.42: 20.0	21.0 ch.42: 20.0			
	UN1-2A				18.0	18.0	18.0	18.0				18.0	18.0	18.0	18.0				21.0	21.0	21.0	21.0			
WiFi 5 GHz (BW : 160MHz)	UN1-2C				18.0	18.0	18.0	18.0				18.0	18.0	18.0	18.0				21.0	21.0	21.0	21.0			
	UN1-3				18.0	18.0	18.0	18.0				18.0	18.0	18.0	18.0				21.0	21.0	21.0	21.0			
	UN1-4				18.0	18.0	18.0	18.0				18.0	18.0	18.0	18.0				21.0	21.0	21.0	21.0			
	UN1-1, 2A				18.0	18.0	18.0 ch.50: 17.0	18.0 ch.50: 17.0				18.0	18.0	18.0 ch.50: 17.0	18.0 ch.50: 17.0				21.0	21.0	21.0 ch.50: 20.0	21.0 ch.50: 20.0			
WiFi 6 GHz_LR (BW : 20MHz)	UN1-2C				18.0	18.0	18.0 ch.114: 14.0	18.0 ch.114: 14.0				18.0	18.0	18.0 ch.114: 14.0	18.0 ch.114: 14.0				21.0	21.0	21.0 ch.114: 14.0	21.0 ch.114: 14.0			
	UN1-3, 4				18.0	18.0	18.0	18.0				18.0	18.0	18.0	18.0				21.0	21.0	21.0	21.0			
	UN1-5	11.0 ch.2: 8.5					11.0	11.0 ch.2: 8.5						11.0	11.0 ch.2: 11.5						14.0	14.0			
	UN1-6	11.0					11.0	11.0						11.0	11.0						14.0	14.0			
WiFi 6 GHz_LR (BW : 40MHz)	UN1-7	11.0					11.0	11.0						11.0	11.0						14.0	14.0			
	UN1-8	11.0 ch.233: 5.5					11.0 ch.233: 8.0	11.0 ch.233: 8.0						11.0 ch.233: 8.0	11.0 ch.233: 8.0						14.0 ch.233: 8.5	14.0 ch.233: 8.5			
	UN1-5						13.0	13.0						13.0	13.0						16.0	16.0			
	UN1-6						13.0	13.0						13.0	13.0						16.0	16.0			
WiFi 6 GHz_LR (BW : 80MHz)	UN1-7						13.0	13.0						13.0	13.0						16.0	16.0			
	UN1-8						13.0	13.0						13.0	13.0						16.0	16.0			
	UN1-5						16.0	16.0						16.0	16.0						19.0	19.0			
	UN1-6						16.0	16.0						16.0	16.0						19.0	19.0			
WiFi 6 GHz_LR (BW : 160MHz)	UN1-7						16.0	16.0						16.0	16.0						19.0	19.0			
	UN1-8						16.0	16.0						16.0	16.0						19.0	19.0			
	UN1-5						17.0	17.0						17.0	17.0						20.0	20.0			
	UN1-6						17.0	17.0						17.0	17.0						20.0	20.0			
WiFi 6 GHz_LR (BW : 320MHz)	UN1-7						17.0	17.0						17.0	17.0						20.0	20.0			
	UN1-8						17.0	17.0						17.0	17.0						20.0	20.0			
	UN1-5						17.0	17.0						17.0	17.0						20.0	20.0			
	UN1-6						17.0	17.0						17.0	17.0						20.0	20.0			
WiFi 6 GHz_SP (BW : 20MHz)	UN1-7	17.0					17.0	17.0						17.0	17.0						20.0	20.0			
	UN1-8	17.0					17.0	17.0						17.0	17.0						20.0	20.0			
	UN1-5						17.0	17.0						17.0	17.0						20.0	20.0			
	UN1-6						17.0	17.0						17.0	17.0						20.0	20.0			
WiFi 6 GHz_SP (BW : 40MHz)	UN1-7						17.0	17.0						17.0	17.0						20.0	20.0			
	UN1-8						17.0	17.0						17.0	17.0						20.0	20.0			
	UN1-5						17.0	17.0						17.0	17.0						20.0	20.0			
	UN1-6						17.0	17.0						17.0	17.0						20.0	20.0			
WiFi 6 GHz_SP (BW : 80MHz)	UN1-7						17.0	17.0						17.0	17.0						20.0	20.0			
	UN1-8						17.0	17.0						17.0	17.0						20.0	20.0			
	UN1-5						17.0	17.0						17.0	17.0						20.0	20.0			
	UN1-6						17.0	17.0						17.0	17.0						20.0	20.0			
WiFi 6 GHz_SP (BW : 160MHz)	UN1-7						17.0	17.0						17.0	17.0						20.0	20.0			
	UN1-8						17.0	17.0						17.0	17.0						20.0	20.0			
	UN1-5						17.0	17.0						17.0	17.0						20.0	20.0			
	UN1-6						17.0	17.0						17.0	17.0						20.0	20.0			
WiFi 6 GHz_VLP (BW : 20MHz)	UN1-7	6.0					6.0	6.0						6.0	6.0						9.0	9.0			
	UN1-8	6.0					6.0	6.0						6.0	6.0						9.0	9.0			
	UN1-5	6.0					6.0	6.0						6.0	6.0						9.0	9.0			
	UN1-6	6.0 ch.233: 5.5					6.0	6.0 ch.2: 5.5						6.0	6.0						9.0 ch.233: 8.5	9.0 ch.233: 8.5			
WiFi 6 GHz_VLP (BW : 40MHz)	UN1-7						9.0	9.0						9.0	9.0						12.0	12.0			
	UN1-8						9.0	9.0						9.0	9.0						12.0	12.0			
	UN1-5						9.0	9.0						9.0	9.0						12.0	12.0			
	UN1-6						9.0	9.0						9.0	9.0						12.0	12.0			
WiFi 6 GHz_VLP (BW : 80MHz)	UN1-7						12.0	12.0						12.0	12.0						15.0	15.0			
	UN1-8						12.0	12.0						12.0	12.0						15.0	15.0			
	UN1-5						12.0	12.0						12.0	12.0						15.0	15.0			
	UN1-6						12.0	12.0						12.0	12.0						15.0	15.0			
WiFi 6 GHz_VLP (BW : 160MHz)	UN1-7						12.0	12.0						12.0	12.0						15.0	15.0			
	UN1-8						12.0	12.0						12.0	12.0						15.0	15.0			
	UN1-5						12.0	12.0						12.0	12.0						15.0	15.0			
	UN1-6						12.0	12.0						12.0	12.0						15.0	15.0			
WiFi 6 GHz_VLP (BW : 320MHz)	UN1-7						12.0	12.0						12.0	12.0						15.0	15.0			
	UN1-8						12.0	12.0						12.0	12.0						15.0	15.0			
	UN1-5						12.0	12.0						12.0	12.0						15.0	15.0			
	UN1-6						12.0	12.0						12.0	12.0						15.0	15.0			

WLAN Bands Maximum Allowed Output Power (Continued)**P_{limit} of DSI=0**

RF Air interface	Band	Maximum allowed output power (dBm) - DSI=0dB1																							
		802.11 mode																							
		DTS : SISO 1(Ant.D) & UNI : SISO 1 (Ant.E)								DTS : SISO 2(Ant.G) & UNI : SISO 2 (Ant.D)								DTS : MIMO (Ant.D + Ant.G) & UNI : MIMO (Ant.E + Ant.D)							
		a	b	g	n	ac	ax(SU)	be(SU)		a	b	g	n	ac	ax(SU)	be(SU)		a	b	g	n	ac	ax(SU)	be(SU)	
WiFi 2.4 GHz	DTS		18.0	18.0	18.0	18.0	18.0 ch.11: 16.5	18.0 ch.11: 16.5		18.0	18.0	18.0	18.0	18.0 ch.11: 16.5	18.0 ch.11: 16.5			20.0	20.0	20.0	20.0	20.0 ch.11: 19.5	20.0 ch.11: 19.5		
WiFi 5 GHz (BW : 20MHz)	UNI-1	14.0			14.0	14.0	14.0	14.0	14.0				14.0	14.0	14.0	14.0	17.0				17.0	17.0	17.0	17.0	
	UNI-2A	14.0			14.0	14.0	14.0	14.0	14.0				14.0	14.0	14.0	14.0	17.0				17.0	17.0	17.0	17.0	
	UNI-2C	14.0			14.0	14.0	14.0	14.0	14.0				14.0	14.0	14.0	14.0	17.0				17.0	17.0	17.0	17.0	
	UNI-3	14.0			14.0	14.0	14.0	14.0	14.0				14.0	14.0	14.0	14.0	17.0				17.0	17.0	17.0	17.0	
	UNI-4	14.0			14.0	14.0	14.0	14.0	14.0				14.0	14.0	14.0	14.0	17.0				17.0	17.0	17.0	17.0	
WiFi 5 GHz (BW : 40MHz)	UNI-1				14.0	14.0	14.0	14.0					14.0	14.0	14.0	14.0					17.0	17.0	17.0	17.0	
	UNI-2A				14.0	14.0	14.0	14.0					14.0	14.0	14.0	14.0					17.0	17.0	17.0	17.0	
	UNI-2C				14.0	14.0	14.0	14.0					14.0	14.0	14.0	14.0					17.0	17.0	17.0	17.0	
	UNI-3				14.0	14.0	14.0	14.0					14.0	14.0	14.0	14.0					17.0	17.0	17.0	17.0	
	UNI-4				14.0	14.0	14.0	14.0					14.0	14.0	14.0	14.0					17.0	17.0	17.0	17.0	
WiFi 5 GHz (BW : 80MHz)	UNI-1					14.0	14.0	14.0						14.0	14.0	14.0						17.0	17.0	17.0	
	UNI-2A					14.0	14.0	14.0						14.0	14.0	14.0						17.0	17.0	17.0	
	UNI-2C					14.0	14.0	14.0						14.0	14.0	14.0						17.0	17.0	17.0	
	UNI-3					14.0	14.0	14.0						14.0	14.0	14.0						17.0	17.0	17.0	
	UNI-4					14.0	14.0	14.0						14.0	14.0	14.0						17.0	17.0	17.0	
WiFi 5 GHz (BW : 160MHz)	UNI-1, 2A					14.0	14.0	14.0						14.0	14.0	14.0						17.0	17.0	17.0	
	UNI-2C					14.0	14.0	14.0						14.0	14.0	14.0						17.0	17.0	17.0	
	UNI-3, 4					14.0	14.0	14.0						14.0	14.0	14.0						17.0	17.0	17.0	
WiFi 6 GHz_LR (BW : 20MHz)	UNI-5	11.0 ch.2: 8.5					11.0	11.0	11.0 ch.2: 8.5						11.0	11.0	14.0 ch.2: 11.5						14.0	14.0	
	UNI-6	11.0					11.0	11.0	11.0						11.0	11.0	14.0						14.0	14.0	
	UNI-7	11.0					11.0	11.0	11.0						11.0	11.0	14.0						14.0	14.0	
	UNI-8	11.0 ch.233: 5.5					11.0 ch.233: 8.0	11.0 ch.233: 8.0	11.0 ch.233: 5.5						11.0 ch.233: 8.0	11.0 ch.233: 8.0	14.0 ch.233: 8.5						14.0 ch.233: 11.0	14.0 ch.233: 11.0	
WiFi 6 GHz_LR (BW : 40MHz)	UNI-5						12.5	12.5							12.5	12.5							15.5	15.5	
	UNI-6						12.5	12.5							12.5	12.5							15.5	15.5	
	UNI-7						12.5	12.5							12.5	12.5							15.5	15.5	
	UNI-8						12.5	12.5							12.5	12.5							15.5	15.5	
WiFi 6 GHz_LR (BW : 80MHz)	UNI-5						12.5	12.5							12.5	12.5							15.5	15.5	
	UNI-6						12.5	12.5							12.5	12.5							15.5	15.5	
	UNI-7						12.5	12.5							12.5	12.5							15.5	15.5	
	UNI-8						12.5	12.5							12.5	12.5							15.5	15.5	
WiFi 6 GHz_LR (BW : 160MHz)	UNI-5						12.5	12.5							12.5	12.5							15.5	15.5	
	UNI-6						12.5	12.5							12.5	12.5							15.5	15.5	
	UNI-7						12.5	12.5							12.5	12.5							15.5	15.5	
	UNI-8						12.5	12.5							12.5	12.5							15.5	15.5	
WiFi 6 GHz_LR (BW : 320MHz)	UNI-5						12.5	12.5							12.5	12.5							15.5	15.5	
	UNI-6						12.5	12.5							12.5	12.5							15.5	15.5	
	UNI-7						12.5	12.5							12.5	12.5							15.5	15.5	
	UNI-8						12.5	12.5							12.5	12.5							15.5	15.5	
WiFi 6 GHz_SP (BW : 20MHz)	UNI-5	12.5 ch.2: 8.5					12.5 ch.2: 11.5	12.5 ch.2: 11.5	12.5 ch.2: 8.5					12.5 ch.2: 11.5	12.5 ch.2: 11.5	15.5 ch.2: 11.5							15.5 ch.2: 14.5	15.5 ch.2: 14.5	
	UNI-7	12.5					12.5	12.5	12.5					12.5	12.5	15.5							15.5	15.5	
WiFi 6 GHz_SP (BW : 40MHz)	UNI-5						12.5	12.5						12.5	12.5								15.5	15.5	
UNI-7							12.5	12.5						12.5	12.5								15.5	15.5	
WiFi 6 GHz_SP (BW : 80MHz)	UNI-5						12.5	12.5						12.5	12.5								15.5	15.5	
UNI-7							12.5	12.5						12.5	12.5								15.5	15.5	
WiFi 6 GHz_SP (BW : 160MHz)	UNI-5						12.5	12.5						12.5	12.5								15.5	15.5	
UNI-7							12.5	12.5						12.5	12.5								15.5	15.5	
WiFi 6 GHz_SP (BW : 320MHz)	UNI-5						12.5	12.5						12.5	12.5								15.5	15.5	
	UNI-7						12.5	12.5						12.5	12.5								15.5	15.5	
WiFi 6 GHz_VLP (BW : 20MHz)	UNI-5	6.0				6.0	6.0	6.0						6.0	6.0	9.0							9.0	9.0	
	UNI-6	6.0				6.0	6.0	6.0						6.0	6.0	9.0							9.0	9.0	
	UNI-7	6.0				6.0	6.0	6.0						6.0	6.0	9.0							9.0	9.0	
	UNI-8	6.0 ch.233: 5.5				6.0	6.0	6.0 ch.233: 5.5						6.0	6.0	9.0 ch.233: 8.5							9.0	9.0	
WiFi 6 GHz_VLP (BW : 40MHz)	UNI-5						9.0	9.0						9.0	9.0								12.0	12.0	
	UNI-6						9.0	9.0						9.0	9.0								12.0	12.0	
	UNI-7						9.0	9.0						9.0	9.0								12.0	12.0	
	UNI-8						9.0	9.0						9.0	9.0								12.0	12.0	
WiFi 6 GHz_VLP (BW : 80MHz)	UNI-5						12.0	12.0						12.0	12.0								15.0	15.0	
	UNI-6						12.0	12.0						12.0	12.0								15.0	15.0	
	UNI-7						12.0	12.0						12.0	12.0								15.0	15.0	
	UNI-8						12.0	12.0						12.0	12.0								15.0	15.0	
WiFi 6 GHz_VLP (BW : 160MHz)	UNI-5						12.0	12.0						12.0	12.0								15.0	15.0	
	UNI-6						12.0	12.0						12.0	12.0								15.0	15.0	
	UNI-7						12.0	12.0						12.0	12.0								15.0	15.0	
	UNI-8						12.0	12.0						12.0	12.0								15.0	15.0	
WiFi 6 GHz_VLP (BW : 320MHz)	UNI-5						12.0	12.0						12.0	12.0								15.0	15.0	
	UNI-6						12.0	12.0						12.0	12.0								15.0	15.0	
	UNI-7						12.0	12.0						12.0	12.0								15.0	15.0	
	UNI-8						12.0	12.0						12.0	12.0								15.0	15.0	

WLAN Bands Maximum Allowed Output Power (Continued)**P_{limit} of DSI=1**

RF Air interface	Band	Maximum allowed output power (dBm) - DSI=0&1																					
		802.11 mode																					
		DTS : SISO 1(Ant.D) & UNI : SISO 1 (Ant.E)								DTS : SISO 2(Ant.G) & UNI : SISO 2 (Ant.D)								DTS : MIMO (Ant.D + Ant.G) & UNI : MIMO (Ant.E + Ant.D)					
		a	b	g	n	ac	ax(SU)	be(SU)		a	b	g	n	ac	ax(SU)	be(SU)		a	b	g	n	ac	ax(SU)
2.4 GHz	DTS		18.0	18.0	18.0	18.0	18.0 ch.11: 16.5	18.0 ch.11: 16.5		18.0	18.0	18.0	18.0	18.0 ch.11: 16.5	18.0 ch.11: 16.5		21.0	21.0	21.0	21.0	21.0	21.0 ch.11: 19.5	21.0 ch.11: 19.5
WiF 5 GHz (BW : 20MHz)	UNI-1	14.0			14.0	14.0	14.0	14.0	14.0			14.0	14.0	14.0	14.0	17.0			17.0	17.0	17.0	17.0	
	UNI-2A	14.0			14.0	14.0	14.0	14.0	14.0			14.0	14.0	14.0	14.0	17.0			17.0	17.0	17.0	17.0	
	UNI-2C	14.0			14.0	14.0	14.0	14.0	14.0			14.0	14.0	14.0	14.0	17.0			17.0	17.0	17.0	17.0	
	UNI-3	14.0			14.0	14.0	14.0	14.0	14.0			14.0	14.0	14.0	14.0	17.0			17.0	17.0	17.0	17.0	
	UNI-4	14.0			14.0	14.0	14.0	14.0	14.0			14.0	14.0	14.0	14.0	17.0			17.0	17.0	17.0	17.0	
WiF 5 GHz (BW : 40MHz)	UNI-1				14.0	14.0	14.0	14.0				14.0	14.0	14.0	14.0				17.0	17.0	17.0	17.0	
	UNI-2A				14.0	14.0	14.0	14.0				14.0	14.0	14.0	14.0				17.0	17.0	17.0	17.0	
	UNI-2C				14.0	14.0	14.0	14.0				14.0	14.0	14.0	14.0				17.0	17.0	17.0	17.0	
	UNI-3				14.0	14.0	14.0	14.0				14.0	14.0	14.0	14.0				17.0	17.0	17.0	17.0	
	UNI-4				14.0	14.0	14.0	14.0				14.0	14.0	14.0	14.0				17.0	17.0	17.0	17.0	
WiF 5 GHz (BW : 80MHz)	UNI-1					14.0	14.0	14.0					14.0	14.0	14.0					17.0	17.0	17.0	
	UNI-2A					14.0	14.0	14.0					14.0	14.0	14.0					17.0	17.0	17.0	
	UNI-2C					14.0	14.0	14.0					14.0	14.0	14.0					17.0	17.0	17.0	
	UNI-3					14.0	14.0	14.0					14.0	14.0	14.0					17.0	17.0	17.0	
	UNI-4					14.0	14.0	14.0					14.0	14.0	14.0					17.0	17.0	17.0	
WiF 5 GHz (BW : 160MHz)	UNI-1, 2A					14.0	14.0	14.0					14.0	14.0	14.0					17.0	17.0	17.0	
	UNI-2C					14.0	14.0	14.0					14.0	14.0	14.0					17.0	17.0	17.0	
	UNI-3, 4					14.0	14.0	14.0					14.0	14.0	14.0					17.0	17.0	17.0	
WiF 6 GHz_LRI (BW : 20MHz)	UNI-5	11.0 ch.2: 8.5					11.0	11.0	11.0 ch.2: 8.5					11.0	11.0	14.0 ch.2: 11.5						14.0	14.0
	UNI-6	11.0					11.0	11.0	11.0					11.0	11.0	14.0						14.0	14.0
	UNI-7	11.0					11.0	11.0	11.0					11.0	11.0	14.0						14.0	14.0
	UNI-8	11.0 ch.233: 5.5					11.0	11.0	11.0	11.0	11.0			11.0	11.0	14.0 ch.233: 8.0	14.0 ch.233: 8.5					14.0	14.0
WiF 6 GHz_LRI (BW : 40MHz)	UNI-5						12.5	12.5						12.5	12.5							15.5	15.5
	UNI-6						12.5	12.5						12.5	12.5							15.5	15.5
	UNI-7						12.5	12.5						12.5	12.5							15.5	15.5
	UNI-8						12.5	12.5						12.5	12.5							15.5	15.5
WiF 6 GHz_LRI (BW : 80MHz)	UNI-5						12.5	12.5						12.5	12.5							15.5	15.5
	UNI-6						12.5	12.5						12.5	12.5							15.5	15.5
	UNI-7						12.5	12.5						12.5	12.5							15.5	15.5
	UNI-8						12.5	12.5						12.5	12.5							15.5	15.5
WiF 6 GHz_LRI (BW : 160MHz)	UNI-5						12.5	12.5						12.5	12.5							15.5	15.5
	UNI-6						12.5	12.5						12.5	12.5							15.5	15.5
	UNI-7						12.5	12.5						12.5	12.5							15.5	15.5
	UNI-8						12.5	12.5						12.5	12.5							15.5	15.5
WiF 6 GHz_LRI (BW : 320MHz)	UNI-5						12.5	12.5						12.5	12.5							15.5	15.5
	UNI-6						12.5	12.5						12.5	12.5							15.5	15.5
	UNI-7						12.5	12.5						12.5	12.5							15.5	15.5
	UNI-8						12.5	12.5						12.5	12.5							15.5	15.5
WiF 6 GHz_SP (BW : 20MHz)	UNI-5	12.5 ch.2: 8.5					12.5	12.5	12.5 ch.2: 8.5					12.5	12.5	15.5 ch.2: 11.5	15.5 ch.2: 11.5					15.5	15.5
	UNI-7	12.5					12.5	12.5	12.5					12.5	12.5	15.5						15.5	15.5
WiF 6 GHz_SP (BW : 40MHz)	UNI-5						12.5	12.5						12.5	12.5							15.5	15.5
	UNI-7						12.5	12.5						12.5	12.5							15.5	15.5
WiF 6 GHz_SP (BW : 80MHz)	UNI-5						12.5	12.5						12.5	12.5							15.5	15.5
	UNI-7						12.5	12.5						12.5	12.5							15.5	15.5
WiF 6 GHz_SP (BW : 160MHz)	UNI-5						12.5	12.5						12.5	12.5							15.5	15.5
	UNI-7						12.5	12.5						12.5	12.5							15.5	15.5
WiF 6 GHz_SP (BW : 320MHz)	UNI-5							12.5							12.5								15.5
	UNI-7							12.5							12.5								15.5
WiF 6 GHz_VLP (BW : 20MHz)	UNI-5	6.0					6.0	6.0	6.0					6.0	6.0	9.0						9.0	9.0
	UNI-6	6.0					6.0	6.0	6.0					6.0	6.0	9.0						9.0	9.0
	UNI-7	6.0					6.0	6.0	6.0					6.0	6.0	9.0						9.0	9.0
	UNI-8	6.0 ch.233: 5.5					6.0	6.0	6.0 ch.233: 5.5					6.0	6.0	9.0 ch.233: 8.5						9.0	9.0
WiF 6 GHz_VLP (BW : 40MHz)	UNI-5						9.0	9.0						9.0	9.0							12.0	12.0
	UNI-6						9.0	9.0						9.0	9.0							12.0	12.0
	UNI-7						9.0	9.0						9.0	9.0							12.0	12.0
	UNI-8						9.0	9.0						9.0	9.0							12.0	12.0
WiF 6 GHz_VLP (BW : 80MHz)	UNI-5						12.0	12.0						12.0	12.0							15.0	15.0
	UNI-6						12.0	12.0						12.0	12.0							15.0	15.0
	UNI-7						12.0	12.0						12.0	12.0							15.0	15.0
	UNI-8						12.0	12.0						12.0	12.0							15.0	15.0
WiF 6 GHz_VLP (BW : 160MHz)	UNI-5						12.0	12.0						12.0	12.0							15.0	15.0
	UNI-6						12.0	12.0						12.0	12.0							15.0	15.0
	UNI-7						12.0	12.0						12.0	12.0							15.0	15.0
	UNI-8						12.0	12.0						12.0	12.0							15.0	15.0
WiF 6 GHz_VLP (BW : 320MHz)	UNI-5						12.0	12.0						12.0	12.0							15.0	15.0
	UNI-6						12.0	12.0						12.0	12.0							15.0	15.0
	UNI-7						12.0	12.0						12.0	12.0							15.0	15.0
	UNI-8						12.0	12.0						12.0	12.0							15.0	15.0

WLAN Bands Maximum Allowed Output Power (Continued)**P_{limit} of DSI=2 & 3**

RF Air interface	Band	Maximum allowed output power (dBm) - DSI=2&3																					
		802.11 mode																					
		DTS : SISO 1(Ant.D) & UNI : SISO 1 (Ant.E)								DTS : SISO 2(Ant.G) & UNI : SISO 2 (Ant.D)								DTS : MIMO (Ant.D + Ant.G) & UNI : MIMO (Ant.E + Ant.D)					
		a	b	g	n	ac	ax(SU)	be(SU)		a	b	g	n	ac	ax(SU)	be(SU)		a	b	g	n	ac	ax(SU)
WiFi 2.4 GHz	2.45 GHz		15.5	15.5	15.5	15.5	15.5	15.5		15.5	15.5	15.5	15.5	15.5	15.5		18.5	18.5	18.5	18.5	18.5	18.5	
WiFi 5 GHz (BW : 20MHz)	UNI-1	16.0			16.0	16.0	16.0	16.0	16.0				16.0	16.0	16.0	16.0	19.0			19.0	19.0	19.0	19.0
	UNI-2A	16.0			16.0	16.0	16.0	16.0	16.0				16.0	16.0	16.0	16.0	19.0			19.0	19.0	19.0	19.0
	UNI-2C	16.0			16.0	16.0	16.0	16.0	16.0				16.0	16.0	16.0	16.0	19.0			19.0	19.0	19.0	19.0
	UNI-3	16.0			16.0	16.0	16.0	16.0	16.0				16.0	16.0	16.0	16.0	19.0			19.0	19.0	19.0	19.0
	UNI-4	16.0			16.0	16.0	16.0	16.0	16.0				16.0	16.0	16.0	16.0	19.0			19.0	19.0	19.0	19.0
WiFi 5 GHz (BW : 40MHz)	UNI-1				16.0	16.0	16.0	16.0					16.0	16.0	16.0	16.0				19.0	19.0	19.0	19.0
	UNI-2A				16.0	16.0	16.0	16.0					16.0	16.0	16.0	16.0				19.0	19.0	19.0	19.0
	UNI-2C				16.0	16.0	16.0	16.0					16.0	16.0	16.0	16.0				19.0	19.0	19.0	19.0
	UNI-3				16.0	16.0	16.0	16.0					16.0	16.0	16.0	16.0				19.0	19.0	19.0	19.0
	UNI-4				16.0	16.0	16.0	16.0					16.0	16.0	16.0	16.0				19.0	19.0	19.0	19.0
WiFi 5 GHz (BW : 80MHz)	UNI-1					16.0	16.0	16.0					16.0	16.0	16.0	16.0					19.0	19.0	19.0
	UNI-2A					16.0	16.0	16.0					16.0	16.0	16.0	16.0					19.0	19.0	19.0
	UNI-2C					16.0	16.0	16.0					16.0	16.0	16.0	16.0					19.0	19.0	19.0
	UNI-3					16.0	16.0	16.0					16.0	16.0	16.0	16.0					19.0	19.0	19.0
	UNI-4					16.0	16.0	16.0					16.0	16.0	16.0	16.0					19.0	19.0	19.0
WiFi 5 GHz (BW : 160MHz)	UNI-1, 2A					16.0	16.0	16.0					16.0	16.0	16.0	16.0					19.0	19.0	19.0
	UNI-2C					16.0	16.0	16.0					16.0	16.0	16.0	16.0					19.0	19.0	19.0
	UNI-3, 4					16.0	16.0	16.0					16.0	16.0	16.0	16.0					19.0	19.0	19.0
WiFi 6 GHz_LPI (BW : 20MHz)	UNI-5	11.0 ch.2: 8.5					11.0	11.0	11.0 ch.2: 8.5						11.0	11.0	14.0 ch.2: 11.5					14.0	14.0
	UNI-6	11.0					11.0	11.0	11.0						11.0	11.0	14.0					14.0	14.0
	UNI-7	11.0					11.0	11.0	11.0						11.0	11.0	14.0					14.0	14.0
	UNI-8	11.0 ch.233: 5.5					11.0 ch.233: 8.0	11.0 ch.233: 8.0	11.0 ch.233: 5.5						11.0 ch.233: 8.0	11.0 ch.233: 8.0	14.0 ch.233: 8.5					14.0 ch.233: 11.0	14.0 ch.233: 11.0
WiFi 6 GHz_LPI (BW : 40MHz)	UNI-5						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-6						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-7						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-8						12.5	12.5							12.5	12.5					15.5	15.5	
WiFi 6 GHz_LPI (BW : 80MHz)	UNI-5						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-6						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-7						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-8						12.5	12.5							12.5	12.5					15.5	15.5	
WiFi 6 GHz_LPI (BW : 160MHz)	UNI-5						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-6						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-7						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-8						12.5	12.5							12.5	12.5					15.5	15.5	
WiFi 6 GHz_LPI (BW : 320MHz)	UNI-5						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-6						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-7						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-8						12.5	12.5							12.5	12.5					15.5	15.5	
WiFi 6 GHz_SP (BW : 20MHz)	UNI-5	12.5 ch.2: 8.5					12.5 ch.2: 11.5	12.5 ch.2: 11.5	12.5 ch.2: 8.5						12.5 ch.2: 11.5	12.5 ch.2: 11.5	15.5 ch.2: 11.5					15.5 ch.2: 14.5	15.5 ch.2: 14.5
	UNI-7	12.5					12.5	12.5	12.5						12.5	12.5	15.5					15.5	
WiFi 6 GHz_SP (BW : 40MHz)	UNI-5						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-7						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-6						12.5	12.5							12.5	12.5					15.5	15.5	
WiFi 6 GHz_SP (BW : 80MHz)	UNI-5						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-7						12.5	12.5							12.5	12.5					15.5	15.5	
WiFi 6 GHz_SP (BW : 160MHz)	UNI-5						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-7						12.5	12.5							12.5	12.5					15.5	15.5	
WiFi 6 GHz_SP (BW : 320MHz)	UNI-5						12.5	12.5							12.5	12.5					15.5	15.5	
	UNI-7						12.5	12.5							12.5	12.5					15.5	15.5	
WiFi 6 GHz_VLP (BW : 20MHz)	UNI-5	6.0					6.0	6.0	6.0						6.0	6.0	9.0					9.0	9.0
	UNI-6	6.0					6.0	6.0	6.0						6.0	6.0	9.0					9.0	9.0
	UNI-7	6.0					6.0	6.0	6.0						6.0	6.0	9.0					9.0	9.0
	UNI-8	6.0 ch.233: 5.5					6.0	6.0	6.0 ch.233: 5.5						6.0	6.0	9.0 ch.233: 8.5					9.0	9.0
WiFi 6 GHz_VLP (BW : 40MHz)	UNI-5						9.0	9.0							9.0	9.0					12.0	12.0	
	UNI-6						9.0	9.0							9.0	9.0					12.0	12.0	
	UNI-7						9.0	9.0							9.0	9.0					12.0	12.0	
WiFi 6 GHz_VLP (BW : 80MHz)	UNI-5						12.0	12.0							12.0	12.0					15.0	15.0	
	UNI-6						12.0	12.0							12.0	12.0					15.0	15.0	
	UNI-7						12.0	12.0							12.0	12.0					15.0	15.0	
	UNI-8						12.0	12.0							12.0	12.0					15.0	15.0	
WiFi 6 GHz_VLP (BW : 160MHz)	UNI-5						12.0	12.0							12.0	12.0					15.0	15.0	
	UNI-6						12.0	12.0							12.0	12.0					15.0	15.0	
	UNI-7						12.0	12.0							12.0	12.0					15.0	15.0	
	UNI-8						12.0	12.0							12.0	12.0					15.0	15.0	
WiFi 6 GHz_VLP (BW : 320MHz)	UNI-5						12.0	12.0							12.0	12.0					15.0	15.0	
	UNI-6						12.0	12.0							12.0	12.0					15.0	15.0	
	UNI-7						12.0	12.0							12.0	12.0					15.0	15.0	
	UNI-8						12.0	12.0							12.0	12.0					15.0	15.0	

Bluetooth & Bluetooth LE maximum Allowed Output Power

1. BT/BLE supports MIMO (dual) mode.
2. Each Antennas has same target power during MIMO (dual) mode.

P_{max}

RF Air interface	DATA RATE	CH	Maximum allowed output power (dBm) - P _{max}				
			SISO mode		MIMO mode		
			BT SISO 1(Ant.D)	BT SISO 2(Ant.G)	BT SISO 1(Ant.D)	BT SISO 2(Ant.G)	BT dual (Ant.D+Ant.G)
Bluetooth (BDR)	1Mbps	0	20.0	20.0	15.0	15.0	18.0
		39	20.0	20.0	15.0	15.0	18.0
		78	20.0	20.0	14.0	14.0	17.0
Bluetooth (EDR)	2Mbps	0	15.5	15.0	12.0	11.0	14.5
		39	15.5	15.0	12.0	11.0	14.5
		78	15.5	15.0	11.5	10.0	14.0
	3Mbps	0	15.5	15.0	12.0	11.0	14.5
		39	15.5	15.0	12.0	11.0	14.5
		78	15.5	15.0	11.5	10.0	14.0
Bluetooth (LE)	1Mbps	37	20.0	20.0	14.0	15.0	17.5
		17	20.0	20.0	14.0	15.0	17.5
		39	20.0	20.0	13.0	14.0	16.5
	2Mbps	37	19.5	19.0	13.5	15.0	17.5
		17	19.5	19.0	13.5	15.0	17.5
		39	19.5	19.0	12.5	14.0	16.5
	125kbps	37	9.5	10.0	n/a	n/a	n/a
		17	9.5	10.0			
		39	8.5	9.0			
	500kbps	37	9.5	10.0	n/a	n/a	n/a
		17	9.5	10.0			
		39	8.5	9.0			

P_{limit} of DSI=0 & 1

RF Air interface	DATA RATE	CH	Maximum allowed output power (dBm) - DSI=0&1				
			SISO mode		MIMO mode		
			BT SISO 1(Ant.D)	BT SISO 2(Ant.G)	BT SISO 1(Ant.D)	BT SISO 2(Ant.G)	BT dual (Ant.D+Ant.G)
Bluetooth (BDR)	1Mbps	0	17.0	17.0	14.5	14.5	17.5
		39	17.0	17.0	14.5	14.5	17.5
		78	17.0	17.0	14.0	14.0	17.0
Bluetooth (EDR)	2Mbps	0	15.5	15.0	12.0	11.0	14.5
		39	15.5	15.0	12.0	11.0	14.5
		78	15.5	15.0	11.5	10.0	14.0
	3Mbps	0	15.5	15.0	12.0	11.0	14.5
		39	15.5	15.0	12.0	11.0	14.5
		78	15.5	15.0	11.5	10.0	14.0
Bluetooth (LE)	1Mbps	37	17.0	17.0	13.0	13.0	16.0
		17	17.0	17.0	13.0	13.0	16.0
		39	17.0	17.0	12.0	12.0	15.0
	2Mbps	37	17.0	17.0	13.0	13.0	16.0
		17	17.0	17.0	13.0	13.0	16.0
		39	17.0	17.0	12.0	12.0	15.0
	125kbps	37	9.5	10.0	n/a	n/a	n/a
		17	9.5	10.0			
		39	8.5	9.0			
	500kbps	37	9.5	10.0	n/a	n/a	n/a
		17	9.5	10.0			
		39	8.5	9.0			

P_{limit} of DSI=2 & 3

RF Air interface	DATA RATE	CH	Maximum allowed output power (dBm) - DSI=2&3				
			SISO mode		MIMO mode		
			BT SISO 1(Ant.D)	BT SISO 2(Ant.G)	BT SISO 1(Ant.D)	BT SISO 2(Ant.G)	BT dual (Ant.D+Ant.G)
Bluetooth (BDR)	1Mbps	0	14.0	14.0	14.0	14.0	17.0
		39	14.0	14.0	14.0	14.0	17.0
		78	14.0	14.0	13.0	13.0	16.0
Bluetooth (EDR)	2Mbps	0	14.0	14.0	12.0	11.0	14.5
		39	14.0	14.0	12.0	11.0	14.5
		78	14.0	14.0	11.5	10.0	14.0
	3Mbps	0	14.0	14.0	12.0	11.0	14.5
		39	14.0	14.0	12.0	11.0	14.5
		78	14.0	14.0	11.5	10.0	14.0
Bluetooth (LE)	1Mbps	37	14.0	14.0	13.0	13.0	16.0
		17	14.0	14.0	13.0	13.0	16.0
		39	13.0	13.0	12.0	12.0	15.0
	2Mbps	37	14.0	14.0	13.0	13.0	16.0
		17	14.0	14.0	13.0	13.0	16.0
		39	13.0	13.0	12.0	12.0	15.0
	125kbps	37	9.5	10.0	n/a	n/a	n/a
		17	9.5	10.0			
		39	8.5	9.0			
	500kbps	37	9.5	10.0	n/a	n/a	n/a
		17	9.5	10.0			
		39	8.5	9.0			

6.5. General LTE SAR Test and Reporting Considerations

Item	Description						
Frequency range, Channel Bandwidth, Numbers and Frequencies	Band 2	Frequency range: 1850 - 1910 MHz					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low	18700/ 1860	18675/ 1857.5	18650/ 1855	18625/ 1852.5	18615/ 1851.5	18607/ 1850.7
	Mid	18900/ 1880	18900/ 1880	18900/ 1880	18900/ 1880	18900/ 1880	18900/ 1880
	High	19100/ 1900	19125/ 1902.5	19150/ 1905	19175/ 1907.5	19185/ 1908.5	19193/ 1909.3
	Band 4	Frequency range: 1710 - 1755 MHz					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low	20050/ 1720	20025/ 1717.5	20000/ 1715	19975/ 1712.5	19965/ 1711.5	19957/ 1710.7
	Mid	20175/ 1732.5	20175/ 1732.5	20175/ 1732.5	20175/ 1732.5	20175/ 1732.5	20175/ 1732.5
	High	20300/ 1745	20325/ 1747.5	20350/ 1750	20375/ 1752.5	20385/ 1753.5	20393/ 1754.3
	Band 5	Frequency range: 824 - 849 MHz					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low			20450/ 829	20425/ 826.5	20415/ 825.5	20407/ 824.7
	Mid			20525/ 836.5	20525/ 836.5	20525/ 836.5	20525/ 836.5
	High			20600/ 844	20625/ 846.5	20635/ 847.5	20643/ 848.3
	Band 7	Frequency range: 2500 - 2570 MHz					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low	20850/ 2510	20825/ 2507.5	20800/ 2505	20775/ 2502.5		
	Mid	21100/ 2535	21100/ 2535	21100/ 2535	21100/ 2535		
	High	21350/ 2560	21375/ 2562.5	21400/ 2565	21425/ 2567.5		
	Band 12	Frequency range: 699 - 716 MHz					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low			23060/ 704	23035/ 701.5	23025/ 700.5	23017/ 699.7
	Mid			23095/ 707.5	23095/ 707.5	23095/ 707.5	23095/ 707.5
	High			23130/ 711	23155/ 713.5	23165/ 714.5	23173/ 715.3
	Band 13	Frequency range: 777 - 787 MHz					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low				23205/ 779.5		
	Mid			23230/ 782	23230/ 782		
	High				23255/ 784.5		
	Band 14	Frequency range: 788 - 798 MHz					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low				23305/ 790.5		
	Mid			23330/ 793	23330/ 793		
	High				23355/ 795.5		
	Band 25	Frequency range: 1850 - 1915 MHz					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low	26140/ 1860	26115/ 1857.5	26090/ 1855	26065/ 1852.5	26055/ 1851.5	26047/ 1850.7
	Mid	26365/ 1882.5	26365/ 1882.5	26365/ 1882.5	26365/ 1882.5	26365/ 1882.5	26365/ 1882.5
	High	26590/ 1905	26615/ 1907.5	26640/ 1910	26665/ 1912.5	26675/ 1913.5	26683/ 1914.3
	Band 26	Frequency range: 814 - 849 MHz					
		Channel Bandwidth					
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz
	Low		26765/ 821.5	26740/ 819	26715/ 816.5	26705/ 815.5	26697/ 814.7
	Mid		26865/ 831.5	26865/ 831.5	26865/ 831.5	26865/ 831.5	26865/ 831.5
	High		26965/ 841.5	26990/ 844	27015/ 846.5	27025/ 847.5	27033/ 848.3

General LTE SAR Test and Reporting Considerations (Continued)

Item	Description																																																																				
Frequency range, Channel Bandwidth, Numbers and Frequencies	Band 30	Frequency range: 2305 - 2315 MHz																																																																			
		Channel Bandwidth																																																																			
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz																																																														
	Low				27685/2307.5																																																																
	Mid			27710/2310	27710/2310																																																																
	High				27735/2312.5																																																																
	Band 38	Frequency range: 2570 - 2620 MHz																																																																			
		Channel Bandwidth																																																																			
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz																																																														
	Low	37850/2580	37825/2577.5	37800/2575	37775/2572.5																																																																
	Mid	38000/2595	38000/2595	38000/2595	38000/2595																																																																
	High	38150/2610	38175/2612.5	38200/2615	38225/2617.5																																																																
	Band 41	Frequency range: 2496 - 2690 MHz																																																																			
		Channel Bandwidth																																																																			
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz																																																														
		Low	39750 / 2506.0																																																																		
		Low-Mid	40185 / 2549.5																																																																		
		Mid	40620 / 2593.0																																																																		
		Mid-High	41055 / 2636.5																																																																		
		High	41490 / 2680.0																																																																		
	Band 48	Frequency range: 3550 - 3700 MHz																																																																			
		Channel Bandwidth																																																																			
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz																																																														
		Low	55340/3560	55315/3557.5	55290/3555	55265/3552.5																																																															
		Mid	55990/3625	55990/3625	55990/3625	55990/3625																																																															
	High	56640/3690	56665/3692.5	56690/3695	56715/3697.5																																																																
	Band 66	Frequency range: 1710 - 1780 MHz																																																																			
		Channel Bandwidth																																																																			
		20 MHz	15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz																																																														
		Low	132072/1720	132047/1717.5	132022/1715	131997/1712.5	131987/1711.5	131979/1710.7																																																													
		Mid	132322/1745	132322/1745	132322/1745	132322/1745	132322/1745	132322/1745																																																													
		High	132572/1770	132597/1772.5	132622/1775	132647/1777.5	132657/1778.5	132665/1779.3																																																													
	Band 71	Frequency range: 663 - 698 MHz																																																																			
Channel Bandwidth																																																																					
20 MHz		15 MHz	10 MHz	5 MHz	3 MHz	1.4 MHz																																																															
Low		133222/673	133197/670.5	133172/668	133147/665.5																																																																
Mid		133297/680.5	133297/680.5	133297/680.5	133297/680.5																																																																
High	133372/688	133397/690.5	133422/693	133447/695.5																																																																	
LTE transmitter and antenna implementation	Refer to Appendix A.																																																																				
Maximum power reduction (MPR)	Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3 <table><tr><th rowspan="2">Modulation</th><th colspan="6">Channel bandwidth / Transmission bandwidth (N_{RB})</th><th rowspan="2">MPR (dB)</th></tr><tr><th>1.4 MHz</th><th>3.0 MHz</th><th>5 MHz</th><th>10 MHz</th><th>15 MHz</th><th>20 MHz</th></tr><tr><td>QPSK</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 1</td></tr><tr><td>16 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 1</td></tr><tr><td>64 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 2</td></tr><tr><td>256 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 2</td></tr><tr><td>256 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 3</td></tr><tr><td></td><td colspan="6">≥ 1</td><td>≤ 5</td></tr></table> MPR Built-in by design The manufacturer MPR values are always within the 3GPP maximum MPR allowance but may not follow the default MPR values. A-MPR (additional MPR) was disabled during SAR testing							Modulation	Channel bandwidth / Transmission bandwidth (N _{RB})						MPR (dB)	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1	16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1	64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2	256 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2	256 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3		≥ 1						≤ 5
Modulation	Channel bandwidth / Transmission bandwidth (N _{RB})						MPR (dB)																																																														
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz																																																															
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1																																																														
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1																																																														
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2																																																														
256 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2																																																														
256 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3																																																														
	≥ 1						≤ 5																																																														
Power reduction	Yes.																																																																				
Spectrum plots for RB configurations	A properly configured base station simulator was used for the SAR and power measurements; therefore, spectrum plots for each RB allocation and offset configuration are not included in the SAR report.																																																																				

Notes:

- 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).

6.5.1. 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	$26336 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$			$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-

Calculated Duty Cycle

Uplink-Downlink Configuration	Downlink-to-Uplink Switch-point Periodicity	Subframe Number										Calculated Duty Cycle (%)
		0	1	2	3	4	5	6	7	8	9	
0	5 ms	D	S	U	U	U	D	S	U	U	U	63.33
1	5 ms	D	S	U	U	D	D	S	U	U	D	43.33
2	5 ms	D	S	U	D	D	D	S	U	D	D	23.33
3	10 ms	D	S	U	U	U	D	D	D	D	D	31.67
4	10 ms	D	S	U	U	D	D	D	D	D	D	21.67
5	10 ms	D	S	U	D	D	D	D	D	D	D	11.67
6	5 ms	D	S	U	U	U	D	S	U	U	D	53.33

Calculated Duty Cycle = Extended cyclic prefix in uplink $\times (T_s) \times \# \text{ of S} + \# \text{ of U}$

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

$T_s = 1/(15000 \times 2048) \text{ seconds}$

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 in power class 3.

6.6. 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	45 MHz	40 MHz	35 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
									374000/1870	373500/1867.5	373000/1865	372500/1862.5	372000/1860	371500/1857.5	371000/1855	370500/1852.5
	Low															
	Mid								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														
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	45 MHz	40 MHz	35 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
		Low												166800/834	166300/831.5	165800/829
	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														
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	45 MHz	40 MHz	35 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
		Low					505000/2025		504000/2520	503500/2517.5	503000/2515	502500/2512.5	502000/2510	501500/2507.5	501000/2505	500500/2502.5
	Mid					507000/2535		507000/2535	507000/2535	507000/2535	507000/2535	507000/2535	507000/2535	507000/2535	507000/2535	
	High					509000/2545		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														
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	45 MHz	40 MHz	35 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
		Low													141300/706.5	140800/704
	Mid													141500/707.5	141500/707.5	141500/707.5
	High													141700/708.5	142200/711	142700/713.5
	Band n14	Frequency range: 788 - 798 MHz														
		Channel Bandwidth														
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	45 MHz	40 MHz	35 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
		Low														
	Mid														158600/793	158600/793
	High															159100/795.5
	Band n25	Frequency range: 1850 - 1915 MHz														
		Channel Bandwidth														
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	45 MHz	40 MHz	35 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
		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														
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	45 MHz	40 MHz	35 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
		Low												164800/824	164300/821.5	163800/819
	Mid												166300/831.5	166300/831.5	166300/831.5	166300/831.5
	High												167800/839	168300/841.5	168800/844	169300/846.5
	Band n30	Frequency range: 2305 - 2315 MHz														
		Channel Bandwidth														
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	45 MHz	40 MHz	35 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
		Low														
	Mid														462000/2310	462000/2310
	High															462500/2312.5
	Band n38	Frequency range: 2570 - 2620 MHz														
		Channel Bandwidth														
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	45 MHz	40 MHz	35 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz
		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		
	Band n41	Frequency range: 2496 - 2690 MHz														
		Channel Bandwidth														
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	45 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	503700/2518.5	503202/2516.01	502704/2513.52	502200/2511	501702/2508.51	501204/2506.02	500700/2503.5	500202/2501.01
	Low-Mid							513636/2568.18	516468/2567.34	510648/2563.24	510402/2562.01	510150/2560.75	509898/2559.49	509652/2558.26	509400/2557	
	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	518598/2592.99	518598/2592.99	
	Mid-High	528000/2640	528996/2644.98	529998/2649.99	531000/2655	529998/2649.99	523734/2618.67	523566/2617.83	523734/2618.67	526548/2632.74	526800/2634	527052/2635.26	527298/2636.49	527550/2637.75	527802/2639.01	
	High							533496/2667.48	534000/2670	534498/2672.49	534996/2674.98	534996/2677.5	535998/2679.99	536496/2682.48	537000/2685	
	Band n48	Frequency range: 3550 - 3700 MHz														
		Channel Bandwidth														
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	45 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			

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

Item	Description																											
Frequency range, Channel Bandwidth, Numbers and Frequencies	Band n66	Frequency range: 1710 - 1780 MHz																										
		Channel Bandwidth																										
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	45 MHz	40 MHz	35 MHz	30 MHz	25 MHz	20 MHz	15 MHz	10 MHz	5 MHz												
								346500/ 1732.5	346000/ 1730	345500/ 1727.5	345000/ 1725	344500/ 1722.5	344000 /1720	343500 /1717.5	343000 /1715	342500 /1712.5												
		Low															349000/ 1745	349000/ 1745	349000/ 1745	349000/ 1745	349000/ 1745	349000/ 1745	349000/ 1745					
		Mid																349000/ 1745	349000/ 1745	349000/ 1745	349000/ 1745	349000/ 1745	349000/ 1745					
		High																351500/ 1757.5	352000/ 1760	352500/ 1762.5	353000/ 1765	353500/ 1767.5	354000 /1770	354500 /1772.5	355000 /1775	355500 /1777.5		
	Band n70	Frequency range: 1695 - 1710 MHz																										
		Channel Bandwidth																										
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	45 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			340000/ 1705
		High																										
	Band n71	Frequency range: 663 - 698 MHz																										
		Channel Bandwidth																										
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	45 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	136100/ 680.5	136100/ 680.5	136100/ 680.5	136100/ 680.5	136100/ 680.5	136100/ 680.5	136100/ 680.5	136100/ 680.5	136100/ 680.5		
		High													137600/ 688	137600/ 690.5	138600/ 693	138447/ 695.5										
	Band n77 -DoD-	Frequency range: 3450 - 3550 MHz																										
		Channel Bandwidth																										
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	45 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	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	633334 /3500.01	633334 /3500.01	
		High						635000/ 3525		635332/ 3529.98		635666/ 3534.99	635800 3537	636000/ 3540	636166/ 3542.49	636332/ 3544.98												
	Band n77	Frequency range: 3700 - 3980 MHz																										
		Channel Bandwidth																										
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	45 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																										
		Mid-A																										
		Mid-B		656000 /3840	656000 /3840			656000 /3840																				
		Mid-High																										
		High	662000 /3930	662332 /3934.98	662666 /3939.99	663000/ 3945	663332 /3949.98	663666 /3954.99		664000 /3960		664332/ 3964.98	664500/ 3967.5	664666 /3969.99	664832/ 3972.48	665000/ 3975												
	Band n78 -DoD-	Frequency range: 3450 - 3550 MHz																										
		Channel Bandwidth																										
		100 MHz	90 MHz	80 MHz	70 MHz	60 MHz	50 MHz	45 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	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	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	45 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																						
	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																												
NR Band n2	LTE Band 4/5/12/13/14/30/48/66																											
NR Band n5	LTE Band 2/4/30/48/66																											
NR Band n7	N/A																											
NR Band n12	N/A																											
NR Band n14	N/A																											
NR Band n25	LTE Band 12																											
NR Band n26	N/A																											
NR Band n30	N/A																											
NR Band n38	N/A																											
NR Band n41	LTE Band 2/4/5/12/66																											
NR Band n48	N/A																											
NR Band n66	LTE Band 2/5/12/13/14/30/48																											
NR Band n70	N/A																											
NR Band n71	LTE Band 2/48/66																											
NR Band n77	LTE Band 2/5/12/13/14/30/66																											
NR Band n78	N/A																											

Notes:

- SAR test for NR bands and LTE anchor Bands were considered separately due to limitations in SAR probe cal. factors.
- Due to test setup limitations, NR TDD SAR testing was performed using test mode software to establish the connection.
- 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.

6.7. NR NTN SAR Test and Reporting Considerations

This Device support NTN(Non Terrestrial Network) Band. And Detail information is below;

Band	NTN Band 255
Operation Frequency	1626.5 - 1660.5 MHz
Modulation	BPSK, QPSK
Channel Bandwidth	200 kHz
SCS(Sub-Carrier Spacing)	3.75, 15 KHz
Maxium duty cycle	70.76%

Notes:

For NTN band, Output power and SAR test performed using FTM mode with 100% duty cycle according to manufacturer guide. But Maximum duty cycle is 70.76%. So SAR test performed at 100% and down scaled it to 70.76%.

6.8. Dynamic Antenna Tuner Testing

This Device applies Qualcomm chipset solution's Dynamic Antenna tuning technology to some 3G/4G/5G sub6 bands at AG0.

- WCDMA B5
- LTE B5/B12/B13/ B14/B26/B71
- NR n5/n12/n14/n26/n71

Dynamic Antenna tuning was tested in accordance with KDB 388624 D02 Pre-Approval Guidance V18r08 and the April 2025 TCBC Workshop notes.

Dynamic Antenna tuning was tested in accordance with KDB 388624 D02 Pre-Approval Guidance V18r08 and APPENDIX ANTTUN April 2025 TCBC Workshop notes. The ANTUN procedure requires evaluating both Head and Body exposure conditions with its respective worst-case air interface and antenna combination.

Checklist Items

- The tuner state shall be controlled remotely such that the DUT position is not moved during the series of single-point SAR measurements.
- For each air interface, exposure condition, and antenna that supports DAT, the following procedure shall be followed:
 - Step 1. An area scan is performed with the DUT positioned for the exposure condition with the auto-tuner enabled to determine the peak SAR location.
 - Step 2. A single-point SAR measurement (i.e., time sweep) is performed at the peak SAR location of step 1. (that is, with auto-tuner enabled). The auto-tuner state shall be recorded after verifying that it is stable.
 - Step 3. Without moving the probe or introducing any other perturbation, the auto-tuner shall be disabled, and two other adjacent tune states shall be chosen by increasing and decreasing the state identification number by 1.
 - Step 4. A single point SAR measurement is then performed on both chosen adjacent states and compared with the value of step 2. If the measured SAR is higher than the value of step 2. but within tolerance, the next adjacent state(s) shall be chosen, and the measurement shall be repeated until a lower SAR value can be shown;
 - Step 5. Repeat step 2. with auto-tuning enabled as a test for variability within tolerance: the previous measured value in step 2. shall be recovered.
- If any single point SAR measurement result is >1.4 W/kg, then all tune states for that particular combination of air interface, exposure condition, and antenna selection shall be evaluated with single point SAR measurements.

Dynamic Antenna Tuner Test Results**Folder Closed**

Ant.		Ant.A+B	
Band		WCDMA Band 5	
RF ExposureCondition		Head	
Mode		Rel.99 RMC	
DSI		3	
Dist. (mm)		0	
Test Position		Right Touch	
Ch. #		4183	
Freq. (MHz)		836.6	
RB Allocation		-	
RB Offset		-	
Meas. SAR (W/kg)		0.273	
Scen#	Code	Avg. Value of Time Sweep (W/kg)	Deviation with auto tune
Auto Tune	20A5	0.244	N/A
44	0B4	0.016	-93%
45	20A5	0.222	-9%
46	1FA5	0.224	-8%
Turned Auto tune back on			
Auto Tune	20A5	0.233	-5%

Ant.		Ant.A+B	
Band		WCDMA Band 5	
RF ExposureCondition		Body-worn & Hotspot	
Mode		Rel.99 RMC	
DSI		1	
Dist. (mm)		5	
Test Position		Rear	
Ch. #		4233	
Freq. (MHz)		846.6	
RB Allocation		-	
RB Offset		-	
Meas. SAR (W/kg)		0.682	
Scen#	Code	Avg. Value of Time Sweep (W/kg)	Deviation with auto tune
Auto Tune	20F0	0.654	N/A
143	0F	0.020	-97%
0	20F0	0.646	-1%
1	1FF0	0.572	-13%
Turned Auto tune back on			
Auto Tune	20F0	0.692	6%

Ant.		Ant.A+B	
Band		LTE Band 26	
RF ExposureCondition		Head	
Mode		QPSK	
DSI		3	
Dist. (mm)		0	
Test Position		Right Touch	
Ch. #		26865	
Freq. (MHz)		831.5	
RB Allocation		36	
RB Offset		0	
Meas. SAR (W/kg)		0.270	
Scen#	Code	Avg. Value of Time Sweep (W/kg)	Deviation with auto tune
Auto Tune	20F0	0.202	N/A
143	0F	0.003	-99%
0	20F0	0.179	-11%
1	1FF0	0.136	-33%
Turned Auto tune back on			
Auto Tune	20F0	0.190	-6%

Ant.		Ant.A+B	
Band		LTE Band 5	
RF ExposureCondition		Body-worn & Hotspot	
Mode		QPSK	
DSI		1	
Dist. (mm)		5	
Test Position		Rear	
Ch. #		20525	
Freq. (MHz)		836.5	
RB Allocation		25	
RB Offset		0	
Meas. SAR (W/kg)		0.685	
Scen#	Code	Avg. Value of Time Sweep (W/kg)	Deviation with auto tune
Auto Tune	20F0	0.632	N/A
143	0F	0.026	-96%
0	20F0	0.586	-7%
1	1FF0	0.516	-20%
Turned Auto tune back on			
Auto Tune	20F0	0.645	0%

Ant.		Ant.A+B	
Band		NR Band n5	
RF ExposureCondition		Head	
Mode		DFT-s-OFDM QPSK	
DSI		3	
Dist. (mm)		0	
Test Position		Right Touch	
Ch. #		167300	
Freq. (MHz)		836.5	
RB Allocation		1	
RB Offset		1	
Meas. SAR (W/kg)		0.240	
Scen#	Code	Avg. Value of Time Sweep (W/kg)	Deviation with auto tune
Auto Tune	20F0	0.235	N/A
143	0F	0.003	-99%
0	20F0	0.220	-6%
1	1FF0	0.194	-17%
Turned Auto tune back on			
Auto Tune	20F0	0.230	-2%

Ant.		Ant.A+B	
Band		NR Band n26	
RF ExposureCondition		Body-worn & Hotspot	
Mode		DFT-s-OFDM QPSK	
DSI		1	
Dist. (mm)		5	
Test Position		Rear	
Ch. #		166300	
Freq. (MHz)		831.5	
RB Allocation		50	
RB Offset		0	
Meas. SAR (W/kg)		0.746	
Scen#	Code	Avg. Value of Time Sweep (W/kg)	Deviation with auto tune
Auto Tune	20F0	0.643	N/A
143	0F	0.043	-93%
0	20F0	0.534	-17%
1	1FF0	0.450	-30%
Turned Auto tune back on			
Auto Tune	20F0	0.625	-3%

Notes:

All test results are within tolerance compared to Auto tune state of Step.2.

Folder Open

Ant.	Ant.A+B		
Band	WCDMA Band 5		
RF ExposureCondition	Head		
Mode	Rel.99		
DSI	2		
Dist. (mm)	0		
Test Position	Left Touch		
Ch. #	4233		
Freq. (MHz)	846.6		
RB Allocation	-		
RB Offset	-		
Meas. SAR (W/kg)	0.755		
Scen#	Code	Avg. Value of Time Sweep (W/kg)	Deviation with auto tune
Auto Tune	20F0	0.633	N/A
143	0F	0.033	-95%
0	20F0	0.635	0%
1	1FF0	0.597	-6%
Turned Auto tune back on			
Auto Tune	20F0	0.617	-3%

Ant.	Ant.A+B		
Band	WCDMA Band 5		
RF ExposureCondition	Body-worn & Hotspot		
Mode	Rel.99		
DSI	0		
Dist. (mm)	5		
Test Position	Rear		
Ch. #	4233		
Freq. (MHz)	846.6		
RB Allocation	-		
RB Offset	-		
Meas. SAR (W/kg)	0.702		
Scen#	Code	Avg. Value of Time Sweep (W/kg)	Deviation with auto tune
Auto Tune	20F0	0.757	N/A
143	0F	0.020	-97%
0	20F0	0.722	-5%
1	1FF0	0.630	-17%
Turned Auto tune back on			
Auto Tune	20F0	0.785	4%

Ant.	Ant.A+B		
Band	LTE Band 5		
RF ExposureCondition	Head		
Mode	QPSK		
DSI	2		
Dist. (mm)	0		
Test Position	Left Touch		
Ch. #	80525		
Freq. (MHz)	836.5		
RB Allocation	1		
RB Offset	0		
Meas. SAR (W/kg)	0.507		
Scen#	Code	Avg. Value of Time Sweep (W/kg)	Deviation with auto tune
Auto Tune	20F0	0.484	N/A
143	0F	0.016	-97%
0	20F0	0.480	-1%
1	1FF0	0.336	-31%
Turned Auto tune back on			
Auto Tune	20F0	0.488	1%

Ant.	Ant.A+B		
Band	LTE Band 5		
RF ExposureCondition	Body-worn & Hotspot		
Mode	QPSK		
DSI	0		
Dist. (mm)	5		
Test Position	Rear		
Ch. #	20525		
Freq. (MHz)	836.5		
RB Allocation	25		
RB Offset	0		
Meas. SAR (W/kg)	0.688		
Scen#	Code	Avg. Value of Time Sweep (W/kg)	Deviation with auto tune
Auto Tune	20F0	0.610	N/A
143	0F	0.021	-97%
0	20F0	0.579	-5%
1	1FF0	0.466	-24%
Turned Auto tune back on			
Auto Tune	20F0	0.594	-3%

Ant.	Ant.A+B		
Band	NR Band n5		
RF ExposureCondition	Head		
Mode	DFT-s-OFDM QPSK		
DSI	2		
Dist. (mm)	0		
Test Position	Left Touch		
Ch. #	167300		
Freq. (MHz)	836.5		
RB Allocation	50		
RB Offset	28		
Meas. SAR (W/kg)	0.666		
Scen#	Code	Avg. Value of Time Sweep (W/kg)	Deviation with auto tune
Auto Tune	20F0	0.625	N/A
143	0F	0.024	-96%
0	20F0	0.556	-11%
1	1FF0	0.472	-24%
Turned Auto tune back on			
Auto Tune	20F0	0.679	9%

Ant.	Ant.A+B		
Band	NR Band n5		
RF ExposureCondition	Body-worn & Hotspot		
Mode	DFT-s-OFDM QPSK		
DSI	0		
Dist. (mm)	5		
Test Position	Rear		
Ch. #	167300		
Freq. (MHz)	836.5		
RB Allocation	50		
RB Offset	28		
Meas. SAR (W/kg)	0.683		
Scen#	Code	Avg. Value of Time Sweep (W/kg)	Deviation with auto tune
Auto Tune	20F0	0.572	N/A
143	0F	0.020	-97%
0	20F0	0.528	-8%
1	1FF0	0.484	-15%
Turned Auto tune back on			
Auto Tune	20F0	0.547	-4%

Notes:

All test results are within tolerance compared to Auto tune state of Step.2.

6.9. DSI verification

A. DSI(Head to Body) verification

The following procedures shall be employed to verify the differences in device output power during different DSI states.

Step 1. Configure the device to be in a call such that voice is routed to the earpiece.

Step 2. Record the output power and ensure that it is within the specific tune-up tolerance for this operating mode.

Step 3. Repeat steps 1 – 2 for any additional configurations involving voice routing to other speakers such as the speakerphone or headsets.

Test result

Case.1 (Change DSI=3 to DSI=1)

Tech	Antenna	DSI=3 (RCV)		DSI=1 (Speakerphone)	
		Maximum allowed Power (dBm)	Measured output power (dBm)	Maximum allowed Power (dBm)	Measured output power (dBm)
WCDMA Band II	Ant.F	21.5	21.16	17.5	16.93

Case.2 (Change DSI=1 to DSI=3)

Tech	Antenna	DSI=1 (Speakerphone)		DSI=3 (RCV)	
		Maximum allowed Power (dBm)	Measured output power (dBm)	Maximum allowed Power (dBm)	Measured output power (dBm)
WCDMA Band II	Ant.F	17.5	16.99	21.5	21.32

B. DSI(F/C Body to F/O Body) verification with Hall effect sensor

This device has implemented 2 different power operation using Hall effect sensor. So Hall effect sensor was verified according to guide of APPENDIX TXSENS in KDB 388624 D02. This process must be followed to determine the lid angle where a power reduction occurs, by taking power measurements at each step, as indicated in the step listed here below:

Step1. From the lid in closed mode (0 degrees), open the screen in 10 degree steps until open mode is obtained.

Step2. Lower the screen by 5 degrees increments to verify that the “closed mode” is triggered.

Step3. From the position of the previous step, open the screen in 1 degree increments until open mode is triggered again.

Step4. Continue opening the screen in 1 degree increments until at least 5 degrees past where “open mode” was obtained, then continue opening the screen in 10 degree steps until the device switches to open mode.

Step5. Reverse the previous procedure to go from open mode back down to closed mode.

Test results (Close mode to Open mode)

Techs	Ant.	DUT Angles(degree)													
		Folder Close(0 degree) to Folder Open (180 degree)													
		0 - 4	5	6	7	8	9	10	11	12	13	14	15	16	17
		Measured output power (dBm)													
GSM 1900	Ant.B	22.00	21.32	21.74	22.03	22.18	21.25	21.62	19.89	19.62	20.07	20.16	19.45	19.58	20.13
WCDMA 2	Ant.F	16.94	17.15	16.49	16.44	16.52	16.16	16.09	15.72	15.01	15.48	15.14	15.67	16.02	15.75
LTE Band 71	Ant.D	23.17	22.58	22.56	22.58	23.39	23.44	22.79	22.02	22.28	21.95	22.68	21.84	22.62	21.79
LTE Band 12	Ant.D	23.05	22.60	23.05	23.07	23.54	22.61	22.51	22.66	21.83	21.79	21.84	22.69	21.98	22.05
LTE Band 13	Ant.D	23.40	22.77	23.19	23.46	22.84	23.61	23.19	22.34	22.14	21.65	22.52	22.37	22.42	22.44
LTE Band 14	Ant.D	23.22	22.81	22.67	22.71	23.17	22.85	23.69	22.44	22.50	22.59	21.65	22.68	22.40	21.84
LTE Band 66(4)	Ant.B	15.71	15.67	16.40	16.41	16.01	16.16	16.28	14.74	14.68	15.41	14.58	15.24	14.65	14.76
LTE Band 25(2)	Ant.B	17.33	17.51	17.60	17.50	17.27	16.50	16.87	15.40	15.31	15.55	15.96	15.06	15.11	15.67
LTE Band 25(2)	Ant.F	17.00	16.52	17.00	16.04	16.90	16.20	17.03	15.27	15.09	15.85	15.66	15.11	16.15	16.09
LTE Band 30	Ant.B	16.36	16.09	16.62	16.88	16.12	16.78	16.71	13.58	13.75	13.43	13.66	13.59	13.03	13.85
LTE Band 30	Ant.F	16.99	17.09	16.37	16.57	16.92	16.46	16.80	14.27	13.99	14.23	14.21	14.17	14.20	14.41
LTE Band 7	Ant.B	15.97	16.28	16.54	15.70	15.94	16.24	16.34	14.39	14.55	14.12	15.19	14.94	14.84	14.72
LTE Band 7	Ant.F	15.98	16.10	15.92	15.69	15.84	16.63	16.61	13.96	14.54	13.83	14.16	13.54	13.59	14.69
LTE Band 41(38)	Ant.B	18.22	18.35	17.71	17.58	18.11	17.76	17.60	16.85	16.23	16.88	16.11	16.10	17.01	16.21
LTE Band 41(38)	Ant.F	18.32	18.03	18.66	17.89	17.75	17.90	17.54	16.05	15.99	15.67	16.33	16.52	15.72	16.27
LTE Band 48	Ant.E	19.09	18.91	19.18	18.77	19.27	19.00	19.56	17.66	17.46	16.54	16.52	16.87	17.43	17.66
NTN Band 255	Ant.F	19.54	19.35	19.27	19.14	19.24	20.10	19.62	18.26	18.53	18.99	18.75	18.19	19.07	18.43
NR Band n71	Ant.D	22.65	22.59	23.60	23.61	22.69	22.65	22.55	22.01	22.05	22.03	21.53	22.08	21.86	22.50
NR Band n12	Ant.D	22.83	22.94	23.69	23.43	23.70	22.90	23.29	22.66	21.92	21.66	22.24	21.59	22.47	21.98
NR Band n14	Ant.D	23.29	22.72	22.75	23.55	23.32	22.99	23.34	22.63	22.62	22.20	22.50	22.33	22.40	22.48
NR Band n7	Ant.B	16.40	16.52	16.03	16.08	16.09	15.83	16.44	14.59	15.14	14.20	14.86	14.07	14.64	14.65
NR Band n7	Ant.F	16.58	16.03	16.20	16.54	15.71	15.91	16.39	13.62	13.96	13.73	14.28	14.15	14.32	13.60
NR Band n66	Ant.B	15.77	16.03	16.55	16.07	16.05	16.33	15.88	14.59	15.25	15.60	15.23	14.52	15.28	14.61
NR Band n25(2)	Ant.B	17.00	17.47	16.99	16.57	17.70	16.68	16.82	16.09	15.79	15.64	16.19	15.15	15.62	15.65
NR Band n25(2)	Ant.F	16.06	16.63	16.68	16.38	16.33	17.05	16.93	15.42	15.96	15.11	15.45	15.67	15.86	16.12
NR Band n30	Ant.B	16.70	16.66	17.18	16.46	17.07	16.24	16.09	13.69	13.18	13.03	14.02	13.49	13.76	13.07
NR Band n30	Ant.F	16.83	16.94	16.36	17.10	16.24	16.60	16.40	14.57	13.72	14.49	13.66	13.64	14.51	14.33
NR Band n70	Ant.B	17.63	16.83	16.74	17.32	16.88	16.79	17.30	15.45	15.71	15.91	15.75	16.07	16.20	15.82
NR Band n41(38)	Ant.F	15.81	15.83	16.22	16.54	16.05	16.57	15.80	14.36	14.02	14.20	14.37	13.89	14.31	14.21
NR Band n41(38)	Ant.B	16.39	15.93	15.94	16.37	16.66	15.54	15.80	15.03	14.97	15.08	14.90	14.25	15.07	14.29
NR Band n48	Ant.E	16.85	16.52	17.31	17.02	16.88	17.43	17.42	15.66	14.89	15.16	15.21	15.06	14.96	15.16
NR Band n77(78)	Ant.E	15.87	15.77	16.09	16.32	15.83	16.33	16.50	14.77	14.94	14.94	14.74	15.58	14.99	14.74

Test results (Open mode to Close mode)

Techs	Ant.	DUT Angles(degree)													
		Folder Open(180 degree) to Folder Close (0 degree)													
		13-180	12	11	10	9	8	7	6	5	4	3	2	1	0
		Measured output power (dBm)													
GSM 1900	Ant.B	19.67	20.19	20.08	20.00	19.87	19.31	19.27	19.14	21.74	21.94	21.44	21.80	21.97	21.38
WCDMA 2	Ant.F	15.06	15.02	15.52	15.01	16.10	15.92	15.73	15.78	16.26	16.54	16.68	16.26	16.29	16.40
LTE Band 71	Ant.D	22.34	22.34	22.50	22.45	21.58	22.43	21.70	21.81	22.94	22.60	23.34	22.59	22.96	22.63
LTE Band 12	Ant.D	22.48	21.51	22.49	22.49	21.94	21.74	21.57	22.42	22.50	23.18	22.51	23.45	23.62	22.92
LTE Band 13	Ant.D	22.53	22.42	21.73	22.19	22.62	21.96	22.26	21.83	22.93	23.49	22.89	23.23	23.58	23.40
LTE Band 14	Ant.D	22.11	22.18	22.48	22.29	22.27	22.29	22.57	21.78	23.32	22.74	23.09	22.71	22.98	23.11
LTE Band 66(4)	Ant.B	15.51	15.59	14.66	14.99	14.82	15.22	15.37	14.57	15.87	16.27	16.16	16.43	16.31	15.85
LTE Band 25(2)	Ant.B	15.24	15.81	15.04	15.93	15.22	15.75	16.10	15.39	16.91	17.14	17.28	17.16	16.87	16.95
LTE Band 25(2)	Ant.F	16.16	15.60	15.39	15.85	16.18	15.94	15.00	15.63	16.65	16.95	16.24	16.47	16.88	17.16
LTE Band 30	Ant.B	13.25	13.63	13.54	13.89	13.55	13.40	13.32	14.18	16.39	16.49	16.74	16.40	16.98	16.20
LTE Band 30	Ant.F	13.81	13.54	13.90	13.81	14.15	14.07	14.24	13.65	16.36	17.14	16.85	16.07	16.04	16.32
LTE Band 7	Ant.B	15.04	14.81	15.10	14.46	14.78	14.88	14.59	14.74	16.24	16.40	15.81	16.66	15.52	15.57
LTE Band 7	Ant.F	14.16	13.96	14.28	14.56	13.90	13.83	13.76	14.43	16.68	15.57	16.56	16.62	16.15	16.48
LTE Band 41(38)	Ant.B	16.38	16.22	16.86	17.18	16.41	16.43	16.69	17.10	18.40	18.37	18.01	17.72	17.53	18.57
LTE Band 41(38)	Ant.F	15.68	16.17	15.67	16.17	15.67	15.99	16.69	16.29	18.15	18.53	17.60	17.52	17.62	18.47
LTE Band 48	Ant.E	16.57	17.68	17.48	17.13	16.72	17.36	17.34	17.03	18.90	18.59	19.62	18.68	18.81	19.04
NTN Band 255	Ant.F	18.91	18.19	18.59	18.30	18.15	18.24	18.14	18.62	20.01	19.20	19.34	19.91	19.82	19.54
NR Band n71	Ant.D	22.56	22.25	22.19	22.36	21.55	22.28	21.56	22.12	22.59	23.40	22.90	22.70	22.99	22.94
NR Band n12	Ant.D	22.03	22.53	21.84	22.58	22.20	21.61	22.42	21.77	22.67	22.74	23.14	22.52	22.61	22.51
NR Band n14	Ant.D	22.15	22.21	21.56	22.26	22.32	21.90	21.52	21.91	23.06	22.73	23.15	22.98	23.47	23.30
NR Band n7	Ant.B	14.56	15.04	15.06	14.41	14.06	14.28	14.68	14.74	16.66	16.02	16.53	16.13	15.80	15.75
NR Band n7	Ant.F	14.03	14.05	13.73	14.43	14.62	13.50	13.88	14.53	15.70	16.60	15.68	15.79	15.63	15.65
NR Band n66	Ant.B	14.62	14.66	15.43	14.64	14.80	15.26	15.21	15.37	15.61	15.76	15.80	16.60	15.62	16.62
NR Band n25(2)	Ant.B	15.44	15.24	15.31	15.85	15.58	15.54	15.39	15.29	17.27	16.73	17.20	16.88	17.39	16.66
NR Band n25(2)	Ant.F	15.03	15.39	15.43	16.13	15.29	15.14	16.03	15.19	16.46	16.04	16.90	16.08	16.56	16.92
NR Band n30	Ant.B	14.00	13.95	13.55	14.13	14.05	14.19	14.15	13.54	16.04	17.10	16.83	16.73	17.19	16.10
NR Band n30	Ant.F	13.86	14.06	14.46	13.98	14.59	13.75	13.58	13.98	16.38	16.47	16.86	16.21	16.43	16.39
NR Band n70	Ant.B	15.43	15.68	15.48	15.86	15.94	15.35	15.55	15.76	17.28	17.42	16.57	17.67	17.12	16.86
NR Band n41(38)	Ant.F	14.10	13.77	14.68	14.34	13.56	14.13	13.56	13.96	16.35	16.39	15.54	15.76	15.85	16.54
NR Band n41(38)	Ant.B	15.19	14.08	14.19	14.00	14.08	14.44	15.18	15.02	16.39	15.85	16.11	16.13	15.72	15.91
NR Band n48	Ant.E	14.51	14.64	15.23	14.54	14.56	15.52	15.48	14.52	17.03	16.84	16.68	17.57	16.72	16.92
NR Band n77(78)	Ant.E	15.11	14.61	14.51	14.58	14.69	15.64	14.80	15.28	15.50	15.96	15.61	15.59	16.28	16.54

Conclusion

DUT Configuration	SAR test	Operate power mode
Folder Close	Body SAR	DSI 1
Folder Open	Body SAR	DSI 0

Notes:

According to Hall effect sensor verification results, Body SAR test were performed by applying DSI 1 power to Folder Close and DSI 0 power to Folder Open.

7. RF Exposure Conditions (Test Configurations)

7.1. Folder Close condition

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

Wireless technologies	RF Exposure Conditions	Antennaa	Test Positions / distance							
			Test distance	Right Touch	Right Tilt	Left Touch	Left Tilt			
WWAN & WLAN/BT & UWB	Head	All WWAN/WLAN/BT Antennas (AntLA+B, A, B, C, D, E, F, G, D+G, D+E)	0 mm	Yes	Yes	Yes	Yes			
Wireless technologies	RF Exposure Conditions	Antennaa	Test Positions / distance			Test Positions / distance				
			Test distance	Rear	Front	Test distance	Top	Left	Bottom	Right
WWAN	Body-worn & Hotspot	AntA+B	5 mm	Yes	Yes	10 mm			Yes	Yes
		AntLA		Yes	Yes				Yes	Yes
		AntLB		Yes	Yes				Yes	
		AntLC		Yes	Yes			Yes	Yes	
		AntLD		Yes	Yes		Yes			Yes
		AntLE		Yes	Yes		Yes	Yes		
		AntLF		Yes	Yes		Yes			
	Product Specific 10-g	All WWAN antennas (AntA+B, A, B, C, D, E, F)	0 mm	Refer to note 2 and 3		0 mm	Refer to note 2 and 3			
WLAN/BT	Body-worn & Hotspot	AntD (WiFi 2.4G & BT)	5 mm	Yes	Yes	10 mm	Yes			Yes
		AntG (WiFi 2.4G & BT)		Yes	Yes		Yes			
		AntD (WiFi 5.2G & 5.8G & 6G)		Yes	Yes		Yes		Yes	
		AntE (WiFi 5.2G & 5.8G & 6G)		Yes	Yes		Yes	Yes		
		AntD (WiFi 5.5G & 5.9G & 6G)		Yes	Yes		N/A			
		AntE (WiFi 5.5G & 5.9G & 6G)		Yes	Yes		N/A			
	Product Specific 10-g	All WLAN/BT antennas (AntLD, G, E)	0 mm	Refer to note 2 and 4		0 mm	Refer to note 2 and 4			
UWB	Product Specific 10-g	AntLF	0 mm	Yes	Yes	0 mm	Yes			
NFC	Product Specific 10-g	NFC Ant.	0 mm	Yes	Yes	0 mm	Yes	Yes		

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.
- 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/UWB Antennas are required Head SAR test.
- The Body-worn's minimum separation distance is 5mm. So to cover both body-worn and hotspot RF exposure conditions testing was performed at a separation distance of 5mm at Rear and Front test positions. And other edges are tested at 10mm test distance in Hotspot condition.
- For each antennas of Rear position, SAR/APD/IPD test was applied "RFX Testing for Complex Shapes" guide due to camera bumper according to TCBC workshop notes. Detail of test positions refer to Appendix A.

7.2. Folder Open condition

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

Wireless technologies	RF Exposure Conditions	Antennaa	Test Positions / distance							
			Test distance	Right Touch	Right Tilt	Left Touch	Left Tilt			
WWAN & WLAN/BT & UWB	Head	All WWAN/WLAN/BT Antennas (Ant.A+B, A, B, C, D, E, F, G, D+G, D+E)	0 mm	Yes	Yes	Yes	Yes			
Wireless technologies	RF Exposure Conditions	Antennaa	Test Positions / distance			Test Positions / distance				
			Test distance	Rear	Front	Test distance	Top	Left	Bottom	Right
WWAN	Body-worn & Hotspot	Ant.A+B	5 mm	Yes	Yes	10 mm			Yes	Yes
		Ant.B		Yes	Yes				Yes	
		Ant.C		Yes	Yes				Yes	
		Ant.D		Yes	Yes		Yes			Yes
		Ant.E		Yes	Yes		Yes			
		Ant.F		Yes	Yes		Yes			
	Product Specific 10-g	All WWAN antennas (Ant.A+B, B, C, D, E, F)	0 mm	Refer to note 2 and 3		0 mm	Refer to note 2 and 3			
WLAN/BT	Body-worn & Hotspot	Ant.D (WiFi 2.4G & BT)	5 mm	Yes	Yes	10 mm	Yes			Yes
		Ant.G (WiFi 2.4G & BT)		Yes	Yes		Yes			
		Ant.D (WiFi 5.2G & 5.8G & 6G)		Yes	Yes		Yes			Yes
		Ant.E (WiFi 5.2G & 5.8G & 6G)		Yes	Yes		Yes			
		Ant.D (WiFi 5.5G & 5.9G & 6G)		Yes	Yes		N/A			
		Ant.E (WiFi 5.5G & 5.9G & 6G)		Yes	Yes		N/A			
	Product Specific 10-g	All WLAN/BT antennas (Ant.D, G, E)	0 mm	Refer to note 2 and 4		0 mm	Refer to note 2 and 4			
UWB	Product Specific 10-g	Ant.F	0 mm	Yes	Yes	0 mm	Yes			
NFC	Product Specific 10-g	NFC Ant.	0 mm	Yes	Yes	0 mm	Yes			

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 ≤ 25 mm from that surface or edge in direct contact with a flat phantom, to address interactive hand use exposure conditions.
- 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/UWB Antennas are required Head SAR test.
- The Body-worn's minimum separation distance is 5mm. So to cover both body-worn and hotspot RF exposure conditions testing was performed at a separation distance of 5mm at Rear and Front test positions. And other edges are tested at 10mm test distance in Hotspot condition.
- For each antennas of Rear position, SAR/APD/IPD test was applied "RFX Testing for Complex Shapes" guide due to camera bumper according to TCBC workshop notes. Detail of test positions refer to Appendix A.

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 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.

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

Refer to Table 3 within the IEEE Std 1528 : 2013.

2. Tissue Dielectric Parameters (4MHz to 30MHz & 6GHz to 10GHz)

Target Frequency (MHz)	Head	
	ϵ_r	σ (S/m)
4	55.0	0.75
13	55.0	0.75
30	55.0	0.75
6000	35.1	5.48
6500	34.5	6.07
7000	33.9	6.65
7500	33.3	7.24
8000	32.7	7.84
8500	32.1	8.46
9000	31.6	9.08
9500	31.0	9.71
10000	30.4	10.40

Refer to Table 2 within the IEC/IEEE Std 62209-1528 : 2020.

Notes:

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

Dielectric Property Measurements Results: SAR 1 Room

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-03-03	Head 1750	e'	40.4400	Relative Permittivity (ϵ_r):	40.44	40.08	0.89	5
		e"	13.8500	Conductivity (σ):	1.35	1.37	-1.56	5
	Head 1710	e'	40.5600	Relative Permittivity (ϵ_r):	40.56	40.15	1.03	5
		e"	13.8800	Conductivity (σ):	1.32	1.35	-1.98	5
	Head 1780	e'	40.3600	Relative Permittivity (ϵ_r):	40.36	40.04	0.80	5
		e"	13.8200	Conductivity (σ):	1.37	1.39	-1.30	5
2026-03-23	Head 5200	e'	37.4600	Relative Permittivity (ϵ_r):	37.46	35.99	4.08	5
		e"	15.8700	Conductivity (σ):	4.59	4.65	-1.34	5
	Head 5250	e'	37.3700	Relative Permittivity (ϵ_r):	37.37	35.93	4.00	5
		e"	15.9000	Conductivity (σ):	4.64	4.70	-1.29	5
	Head 5600	e'	36.7400	Relative Permittivity (ϵ_r):	36.74	35.53	3.39	5
		e"	16.1700	Conductivity (σ):	5.03	5.06	-0.50	5
	Head 5750	e'	36.4800	Relative Permittivity (ϵ_r):	36.48	35.36	3.16	5
		e"	16.3000	Conductivity (σ):	5.21	5.21	-0.04	5
	Head 5800	e'	36.4000	Relative Permittivity (ϵ_r):	36.40	35.30	3.12	5
		e"	16.3400	Conductivity (σ):	5.27	5.27	-0.01	5
	Head 5825	e'	36.3600	Relative Permittivity (ϵ_r):	36.36	35.30	3.00	5
		e"	16.3600	Conductivity (σ):	5.30	5.27	0.55	5
2026-03-27	Head 5200	e'	35.6200	Relative Permittivity (ϵ_r):	35.62	35.99	-1.03	5
		e"	15.9500	Conductivity (σ):	4.61	4.65	-0.84	5
	Head 5250	e'	35.4200	Relative Permittivity (ϵ_r):	35.42	35.93	-1.43	5
		e"	16.0800	Conductivity (σ):	4.69	4.70	-0.17	5
	Head 5600	e'	34.8800	Relative Permittivity (ϵ_r):	34.88	35.53	-1.84	5
		e"	16.2100	Conductivity (σ):	5.05	5.06	-0.25	5
	Head 5750	e'	34.6000	Relative Permittivity (ϵ_r):	34.60	35.36	-2.16	5
		e"	16.5000	Conductivity (σ):	5.28	5.21	1.18	5
	Head 5800	e'	34.5900	Relative Permittivity (ϵ_r):	34.59	35.30	-2.01	5
		e"	16.3800	Conductivity (σ):	5.28	5.27	0.24	5
	Head 5825	e'	34.4700	Relative Permittivity (ϵ_r):	34.47	35.30	-2.35	5
		e"	16.2700	Conductivity (σ):	5.27	5.27	-0.01	5
2026-03-31	Head 5200	e'	35.6200	Relative Permittivity (ϵ_r):	35.62	35.99	-1.03	5
		e"	15.8600	Conductivity (σ):	4.59	4.65	-1.40	5
	Head 5250	e'	35.5300	Relative Permittivity (ϵ_r):	35.53	35.93	-1.12	5
		e"	15.9000	Conductivity (σ):	4.64	4.70	-1.29	5
	Head 5600	e'	34.8500	Relative Permittivity (ϵ_r):	34.85	35.53	-1.92	5
		e"	16.1900	Conductivity (σ):	5.04	5.06	-0.38	5
	Head 5750	e'	34.5700	Relative Permittivity (ϵ_r):	34.57	35.36	-2.24	5
		e"	16.3100	Conductivity (σ):	5.21	5.21	0.02	5
	Head 5800	e'	34.4800	Relative Permittivity (ϵ_r):	34.48	35.30	-2.32	5
		e"	16.3500	Conductivity (σ):	5.27	5.27	0.05	5
	Head 5825	e'	34.4300	Relative Permittivity (ϵ_r):	34.43	35.30	-2.46	5
		e"	16.3700	Conductivity (σ):	5.30	5.27	0.61	5

SAR 1 Room (Continued)

Date	Freq. (MHz)		Liquid Parameters	Measured	Target	Delta (%)	Limit $\pm$ (%)
2026-03-31	Head 1750	e'	41.3300 Relative Permittivity (ϵ_r):	41.33	40.08	3.11	5
		e"	13.6700 Conductivity (σ):	1.33	1.37	-2.83	5
	Head 1680	e'	41.5400 Relative Permittivity (ϵ_r):	41.54	40.19	3.35	5
		e"	13.7600 Conductivity (σ):	1.29	1.33	-3.32	5
	Head 1780	e'	41.2600 Relative Permittivity (ϵ_r):	41.26	40.04	3.05	5
		e"	13.6000 Conductivity (σ):	1.35	1.39	-2.88	5
2026-03-31	Head 1900	e'	41.1700 Relative Permittivity (ϵ_r):	41.17	40.00	2.93	5
		e"	13.3600 Conductivity (σ):	1.41	1.40	0.82	5
	Head 1850	e'	41.1700 Relative Permittivity (ϵ_r):	41.17	40.00	2.93	5
		e"	13.4300 Conductivity (σ):	1.38	1.40	-1.32	5
	Head 1915	e'	41.1700 Relative Permittivity (ϵ_r):	41.17	40.00	2.93	5
		e"	13.3600 Conductivity (σ):	1.42	1.40	1.61	5
2026-04-05	Head 5200	e'	36.0900 Relative Permittivity (ϵ_r):	36.09	35.99	0.28	5
		e"	15.8100 Conductivity (σ):	4.57	4.65	-1.71	5
	Head 5250	e'	35.9900 Relative Permittivity (ϵ_r):	35.99	35.93	0.16	5
		e"	15.8500 Conductivity (σ):	4.63	4.70	-1.60	5
	Head 5600	e'	35.3200 Relative Permittivity (ϵ_r):	35.32	35.53	-0.60	5
		e"	16.0400 Conductivity (σ):	4.99	5.06	-1.30	5
	Head 5750	e'	35.0600 Relative Permittivity (ϵ_r):	35.06	35.36	-0.86	5
		e"	16.1400 Conductivity (σ):	5.16	5.21	-1.03	5
	Head 5800	e'	34.9800 Relative Permittivity (ϵ_r):	34.98	35.30	-0.91	5
		e"	16.1700 Conductivity (σ):	5.21	5.27	-1.05	5
	Head 5825	e'	34.9300 Relative Permittivity (ϵ_r):	34.93	35.30	-1.05	5
		e"	16.1800 Conductivity (σ):	5.24	5.27	-0.56	5
2026-04-07	Head 2450	e'	39.0000 Relative Permittivity (ϵ_r):	39.00	39.20	-0.51	5
		e"	12.8900 Conductivity (σ):	1.76	1.80	-2.45	5
	Head 2400	e'	39.0600 Relative Permittivity (ϵ_r):	39.06	39.30	-0.60	5
		e"	12.9100 Conductivity (σ):	1.72	1.75	-1.65	5
	Head 2500	e'	38.9800 Relative Permittivity (ϵ_r):	38.98	39.14	-0.40	5
		e"	12.8900 Conductivity (σ):	1.79	1.85	-3.36	5
2026-04-09	Head 5200	e'	34.9500 Relative Permittivity (ϵ_r):	34.95	35.99	-2.89	5
		e"	15.8500 Conductivity (σ):	4.58	4.65	-1.47	5
	Head 5250	e'	34.8500 Relative Permittivity (ϵ_r):	34.85	35.93	-3.01	5
		e"	15.8900 Conductivity (σ):	4.64	4.70	-1.35	5
	Head 5600	e'	34.1700 Relative Permittivity (ϵ_r):	34.17	35.53	-3.84	5
		e"	16.1500 Conductivity (σ):	5.03	5.06	-0.62	5
	Head 5750	e'	33.8900 Relative Permittivity (ϵ_r):	33.89	35.36	-4.16	5
		e"	16.2700 Conductivity (σ):	5.20	5.21	-0.23	5
	Head 5800	e'	33.8000 Relative Permittivity (ϵ_r):	33.80	35.30	-4.25	5
		e"	16.3100 Conductivity (σ):	5.26	5.27	-0.19	5
	Head 5825	e'	33.7600 Relative Permittivity (ϵ_r):	33.76	35.30	-4.36	5
		e"	16.3300 Conductivity (σ):	5.29	5.27	0.36	5
2026-04-11	Head 2450	e'	39.4600 Relative Permittivity (ϵ_r):	39.46	39.20	0.66	5
		e"	13.3800 Conductivity (σ):	1.82	1.80	1.26	5
	Head 2400	e'	39.4600 Relative Permittivity (ϵ_r):	39.46	39.30	0.42	5
		e"	13.3200 Conductivity (σ):	1.78	1.75	1.48	5
	Head 2500	e'	39.3700 Relative Permittivity (ϵ_r):	39.37	39.14	0.60	5
		e"	13.2500 Conductivity (σ):	1.84	1.85	-0.66	5
2026-04-15	Head 5200	e'	36.0900 Relative Permittivity (ϵ_r):	36.09	35.99	0.28	5
		e"	15.7500 Conductivity (σ):	4.55	4.65	-2.09	5
	Head 5250	e'	36.0100 Relative Permittivity (ϵ_r):	36.01	35.93	0.21	5
		e"	15.7900 Conductivity (σ):	4.61	4.70	-1.97	5
	Head 5600	e'	35.3700 Relative Permittivity (ϵ_r):	35.37	35.53	-0.46	5
		e"	16.0700 Conductivity (σ):	5.00	5.06	-1.11	5
	Head 5750	e'	35.0800 Relative Permittivity (ϵ_r):	35.08	35.36	-0.80	5
		e"	16.1900 Conductivity (σ):	5.18	5.21	-0.72	5
	Head 5800	e'	34.9800 Relative Permittivity (ϵ_r):	34.98	35.30	-0.91	5
		e"	16.2300 Conductivity (σ):	5.23	5.27	-0.68	5
	Head 5825	e'	34.9300 Relative Permittivity (ϵ_r):	34.93	35.30	-1.05	5
		e"	16.2400 Conductivity (σ):	5.26	5.27	-0.19	5

SAR 1 Room (Continued)

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-04-15	Head 2450	e'	38.5700	Relative Permittivity (ϵ_r):	38.57	39.20	-1.61	5
		e"	13.1200	Conductivity (σ):	1.79	1.80	-0.71	5
	Head 2400	e'	38.6600	Relative Permittivity (ϵ_r):	38.66	39.30	-1.62	5
		e"	13.1500	Conductivity (σ):	1.75	1.75	0.18	5
	Head 2500	e'	38.5100	Relative Permittivity (ϵ_r):	38.51	39.14	-1.60	5
		e"	13.0900	Conductivity (σ):	1.82	1.85	-1.86	5
2026-04-20	Head 2450	e'	38.8000	Relative Permittivity (ϵ_r):	38.80	39.20	-1.02	5
		e"	13.4600	Conductivity (σ):	1.83	1.80	1.87	5
	Head 2400	e'	38.8600	Relative Permittivity (ϵ_r):	38.86	39.30	-1.11	5
		e"	13.4500	Conductivity (σ):	1.79	1.75	2.47	5
	Head 2500	e'	38.7400	Relative Permittivity (ϵ_r):	38.74	39.14	-1.01	5
		e"	13.4700	Conductivity (σ):	1.87	1.85	0.99	5
2026-06-05	Head 2600	e'	39.0800	Relative Permittivity (ϵ_r):	39.08	39.01	0.18	5
		e"	13.2700	Conductivity (σ):	1.92	1.96	-2.23	5
	Head 2495	e'	39.1900	Relative Permittivity (ϵ_r):	39.19	39.14	0.12	5
		e"	13.2700	Conductivity (σ):	1.84	1.85	-0.42	5
	Head 2700	e'	38.8900	Relative Permittivity (ϵ_r):	38.89	38.88	0.01	5
		e"	13.3100	Conductivity (σ):	2.00	2.07	-3.48	5
2026-06-08	Head 2600	e'	39.1400	Relative Permittivity (ϵ_r):	39.14	39.01	0.33	5
		e"	13.1700	Conductivity (σ):	1.90	1.96	-2.97	5
	Head 2495	e'	39.2200	Relative Permittivity (ϵ_r):	39.22	39.14	0.20	5
		e"	13.1200	Conductivity (σ):	1.82	1.85	-1.54	5
	Head 2700	e'	38.9600	Relative Permittivity (ϵ_r):	38.96	38.88	0.19	5
		e"	13.2600	Conductivity (σ):	1.99	2.07	-3.84	5

SAR 2 Room

Date	Freq. (MHz)			Liquid Parameters	Measured	Target	Delta (%)	Limit ±(%)
2026-03-04	Head 1750	e'	40.1700	Relative Permittivity (ϵ_r):	40.17	40.08	0.21	5
		e"	13.5300	Conductivity (σ):	1.32	1.37	-3.83	5
	Head 1680	e'	40.4100	Relative Permittivity (ϵ_r):	40.41	40.19	0.54	5
		e"	13.5700	Conductivity (σ):	1.27	1.33	-4.65	5
	Head 1780	e'	40.0800	Relative Permittivity (ϵ_r):	40.08	40.04	0.10	5
		e"	13.4800	Conductivity (σ):	1.33	1.39	-3.73	5
2026-03-11	Head 1750	e'	39.8000	Relative Permittivity (ϵ_r):	39.80	40.08	-0.71	5
		e"	13.6000	Conductivity (σ):	1.32	1.37	-3.33	5
	Head 1680	e'	39.9800	Relative Permittivity (ϵ_r):	39.98	40.19	-0.53	5
		e"	13.7600	Conductivity (σ):	1.29	1.33	-3.32	5
	Head 1780	e'	39.7300	Relative Permittivity (ϵ_r):	39.73	40.04	-0.77	5
		e"	13.5300	Conductivity (σ):	1.34	1.39	-3.38	5
2026-03-16	Head 1750	e'	40.7300	Relative Permittivity (ϵ_r):	40.73	40.08	1.61	5
		e"	14.1500	Conductivity (σ):	1.38	1.37	0.58	5
	Head 1680	e'	40.8100	Relative Permittivity (ϵ_r):	40.81	40.19	1.54	5
		e"	14.4300	Conductivity (σ):	1.35	1.33	1.39	5
	Head 1780	e'	40.6800	Relative Permittivity (ϵ_r):	40.68	40.04	1.60	5
		e"	14.0200	Conductivity (σ):	1.39	1.39	0.12	5
2026-03-20	Head 1750	e'	39.8300	Relative Permittivity (ϵ_r):	39.83	40.08	-0.64	5
		e"	13.7200	Conductivity (σ):	1.34	1.37	-2.48	5
	Head 1680	e'	40.0100	Relative Permittivity (ϵ_r):	40.01	40.19	-0.45	5
		e"	13.9200	Conductivity (σ):	1.30	1.33	-2.19	5
	Head 1780	e'	39.7700	Relative Permittivity (ϵ_r):	39.77	40.04	-0.67	5
		e"	13.6200	Conductivity (σ):	1.35	1.39	-2.73	5
2026-03-20	Head 1900	e'	39.6300	Relative Permittivity (ϵ_r):	39.63	40.00	-0.92	5
		e"	13.2400	Conductivity (σ):	1.40	1.40	-0.09	5
	Head 1850	e'	39.6600	Relative Permittivity (ϵ_r):	39.66	40.00	-0.85	5
		e"	13.3800	Conductivity (σ):	1.38	1.40	-1.69	5
	Head 1915	e'	39.6200	Relative Permittivity (ϵ_r):	39.62	40.00	-0.95	5
		e"	13.2100	Conductivity (σ):	1.41	1.40	0.47	5
2026-03-23	Head 750	e'	43.7700	Relative Permittivity (ϵ_r):	43.77	41.96	4.31	5
		e"	20.9500	Conductivity (σ):	0.87	0.89	-2.17	5
	Head 660	e'	44.0800	Relative Permittivity (ϵ_r):	44.08	42.42	3.91	5
		e"	23.0200	Conductivity (σ):	0.84	0.89	-4.67	5
	Head 800	e'	43.6300	Relative Permittivity (ϵ_r):	43.63	41.71	4.62	5
		e"	19.9800	Conductivity (σ):	0.89	0.90	-0.91	5
2026-03-23	Head 835	e'	43.5500	Relative Permittivity (ϵ_r):	43.55	41.50	4.94	5
		e"	19.4000	Conductivity (σ):	0.90	0.90	0.08	5
	Head 810	e'	43.6100	Relative Permittivity (ϵ_r):	43.61	41.65	4.70	5
		e"	19.8100	Conductivity (σ):	0.89	0.90	-0.61	5
	Head 850	e'	43.5100	Relative Permittivity (ϵ_r):	43.51	41.50	4.84	5
		e"	19.1700	Conductivity (σ):	0.91	0.92	-0.98	5
2026-03-27	Head 835	e'	42.0700	Relative Permittivity (ϵ_r):	42.07	41.50	1.37	5
		e"	19.9200	Conductivity (σ):	0.92	0.90	2.76	5
	Head 810	e'	41.6500	Relative Permittivity (ϵ_r):	41.65	41.65	-0.01	5
		e"	20.3600	Conductivity (σ):	0.92	0.90	2.15	5
	Head 850	e'	42.2200	Relative Permittivity (ϵ_r):	42.22	41.50	1.73	5
		e"	19.5300	Conductivity (σ):	0.92	0.92	0.88	5
2026-03-30	Head 835	e'	42.4772	Relative Permittivity (ϵ_r):	42.48	41.50	2.35	5
		e"	19.9857	Conductivity (σ):	0.93	0.90	3.10	5
	Head 810	e'	42.5441	Relative Permittivity (ϵ_r):	42.54	41.65	2.14	5
		e"	20.4024	Conductivity (σ):	0.92	0.90	2.36	5
	Head 850	e'	42.4418	Relative Permittivity (ϵ_r):	42.44	41.50	2.27	5
		e"	19.7464	Conductivity (σ):	0.93	0.92	2.00	5
2026-04-02	Head 5200	e'	35.9600	Relative Permittivity (ϵ_r):	35.96	35.99	-0.08	5
		e"	15.5800	Conductivity (σ):	4.50	4.65	-3.14	5
	Head 5250	e'	35.8600	Relative Permittivity (ϵ_r):	35.86	35.93	-0.20	5
		e"	15.6200	Conductivity (σ):	4.56	4.70	-3.03	5
	Head 5600	e'	35.1900	Relative Permittivity (ϵ_r):	35.19	35.53	-0.97	5
		e"	15.8500	Conductivity (σ):	4.94	5.06	-2.47	5
	Head 5750	e'	34.9200	Relative Permittivity (ϵ_r):	34.92	35.36	-1.25	5
		e"	15.9500	Conductivity (σ):	5.10	5.21	-2.19	5
	Head 5800	e'	34.8300	Relative Permittivity (ϵ_r):	34.83	35.30	-1.33	5
		e"	15.9800	Conductivity (σ):	5.15	5.27	-2.21	5
	Head 5925	e'	34.6200	Relative Permittivity (ϵ_r):	34.62	35.20	-1.65	5
		e"	16.0400	Conductivity (σ):	5.28	5.40	-2.14	5

SAR 2 Room (Continued)

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-04-06	Head 5200	e'	35.4200	Relative Permittivity (ϵ_r):	35.42	35.99	-1.58	5
		e"	15.7700	Conductivity (σ):	4.56	4.65	-1.96	5
	Head 5250	e'	35.3300	Relative Permittivity (ϵ_r):	35.33	35.93	-1.68	5
		e"	15.8100	Conductivity (σ):	4.62	4.70	-1.85	5
	Head 5600	e'	34.6400	Relative Permittivity (ϵ_r):	34.64	35.53	-2.52	5
		e"	16.0900	Conductivity (σ):	5.01	5.06	-0.99	5
	Head 5750	e'	34.3800	Relative Permittivity (ϵ_r):	34.38	35.36	-2.78	5
		e"	16.2200	Conductivity (σ):	5.19	5.21	-0.54	5
	Head 5800	e'	34.2900	Relative Permittivity (ϵ_r):	34.29	35.30	-2.86	5
		e"	16.2600	Conductivity (σ):	5.24	5.27	-0.50	5
	Head 5925	e'	34.0800	Relative Permittivity (ϵ_r):	34.08	35.20	-3.18	5
		e"	16.3400	Conductivity (σ):	5.38	5.40	-0.31	5
2026-04-07	Head 1750	e'	39.4200	Relative Permittivity (ϵ_r):	39.42	40.08	-1.66	5
		e"	13.5600	Conductivity (σ):	1.32	1.37	-3.62	5
	Head 1680	e'	39.5800	Relative Permittivity (ϵ_r):	39.58	40.19	-1.52	5
		e"	13.7000	Conductivity (σ):	1.28	1.33	-3.74	5
	Head 1780	e'	39.3500	Relative Permittivity (ϵ_r):	39.35	40.04	-1.72	5
		e"	13.4900	Conductivity (σ):	1.34	1.39	-3.66	5
2026-04-07	Head 1900	e'	39.2100	Relative Permittivity (ϵ_r):	39.21	40.00	-1.98	5
		e"	13.2000	Conductivity (σ):	1.39	1.40	-0.39	5
	Head 1850	e'	39.2400	Relative Permittivity (ϵ_r):	39.24	40.00	-1.90	5
		e"	13.2900	Conductivity (σ):	1.37	1.40	-2.35	5
	Head 1915	e'	39.2100	Relative Permittivity (ϵ_r):	39.21	40.00	-1.98	5
		e"	13.1800	Conductivity (σ):	1.40	1.40	0.24	5
2026-04-10	Head 5200	e'	35.6400	Relative Permittivity (ϵ_r):	35.64	35.99	-0.97	5
		e"	15.8800	Conductivity (σ):	4.59	4.65	-1.28	5
	Head 5250	e'	35.5400	Relative Permittivity (ϵ_r):	35.54	35.93	-1.09	5
		e"	15.9400	Conductivity (σ):	4.65	4.70	-1.04	5
	Head 5600	e'	34.8600	Relative Permittivity (ϵ_r):	34.86	35.53	-1.90	5
		e"	16.2200	Conductivity (σ):	5.05	5.06	-0.19	5
	Head 5750	e'	34.5800	Relative Permittivity (ϵ_r):	34.58	35.36	-2.21	5
		e"	16.3500	Conductivity (σ):	5.23	5.21	0.26	5
	Head 5800	e'	34.4900	Relative Permittivity (ϵ_r):	34.49	35.30	-2.29	5
		e"	16.3900	Conductivity (σ):	5.29	5.27	0.30	5
	Head 5925	e'	34.2700	Relative Permittivity (ϵ_r):	34.27	35.20	-2.64	5
		e"	16.4800	Conductivity (σ):	5.43	5.40	0.54	5
2026-04-10	Head 2450	e'	39.2400	Relative Permittivity (ϵ_r):	39.24	39.20	0.10	5
		e"	13.3000	Conductivity (σ):	1.81	1.80	0.66	5
	Head 2400	e'	39.3100	Relative Permittivity (ϵ_r):	39.31	39.30	0.03	5
		e"	13.3200	Conductivity (σ):	1.78	1.75	1.48	5
	Head 2500	e'	39.1900	Relative Permittivity (ϵ_r):	39.19	39.14	0.14	5
		e"	13.2900	Conductivity (σ):	1.85	1.85	-0.36	5
2026-04-14	Head 1750	e'	40.1700	Relative Permittivity (ϵ_r):	40.17	40.08	0.21	5
		e"	13.7300	Conductivity (σ):	1.34	1.37	-2.41	5
	Head 1680	e'	40.2900	Relative Permittivity (ϵ_r):	40.29	40.19	0.24	5
		e"	13.8500	Conductivity (σ):	1.29	1.33	-2.69	5
	Head 1780	e'	40.1000	Relative Permittivity (ϵ_r):	40.10	40.04	0.15	5
		e"	13.6700	Conductivity (σ):	1.35	1.39	-2.38	5
2026-04-16	Head 1900	e'	38.8800	Relative Permittivity (ϵ_r):	38.88	40.00	-2.80	5
		e"	13.3500	Conductivity (σ):	1.41	1.40	0.74	5
	Head 1850	e'	38.8900	Relative Permittivity (ϵ_r):	38.89	40.00	-2.78	5
		e"	13.4100	Conductivity (σ):	1.38	1.40	-1.47	5
	Head 1915	e'	38.8800	Relative Permittivity (ϵ_r):	38.88	40.00	-2.80	5
		e"	13.3400	Conductivity (σ):	1.42	1.40	1.46	5
2026-04-20	Head 1750	e'	39.8000	Relative Permittivity (ϵ_r):	39.80	40.08	-0.71	5
		e"	13.5900	Conductivity (σ):	1.32	1.37	-3.40	5
	Head 1680	e'	39.9400	Relative Permittivity (ϵ_r):	39.94	40.19	-0.63	5
		e"	13.7500	Conductivity (σ):	1.28	1.33	-3.39	5
	Head 1780	e'	39.7300	Relative Permittivity (ϵ_r):	39.73	40.04	-0.77	5
		e"	13.5300	Conductivity (σ):	1.34	1.39	-3.38	5
2026-04-20	Head 1900	e'	39.6100	Relative Permittivity (ϵ_r):	39.61	40.00	-0.98	5
		e"	13.2400	Conductivity (σ):	1.40	1.40	-0.09	5
	Head 1850	e'	39.6100	Relative Permittivity (ϵ_r):	39.61	40.00	-0.98	5
		e"	13.3400	Conductivity (σ):	1.37	1.40	-1.98	5
	Head 1915	e'	39.6100	Relative Permittivity (ϵ_r):	39.61	40.00	-0.98	5
		e"	13.2400	Conductivity (σ):	1.41	1.40	0.70	5

SAR 2 Room (Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
2026-04-21	Head 2450	e'	37.3500	Relative Permittivity (ε):	37.35	39.20	-4.72	5
		e"	13.5100	Conductivity (σ):	1.84	1.80	2.25	5
	Head 2400	e'	37.4700	Relative Permittivity (ε):	37.47	39.30	-4.65	5
		e"	13.4800	Conductivity (σ):	1.80	1.75	2.70	5
	Head 2500	e'	37.2400	Relative Permittivity (ε):	37.24	39.14	-4.85	5
		e"	13.5200	Conductivity (σ):	1.88	1.85	1.37	5

SAR 3 Room

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
2026-03-16	Head 750	e'	41.7481	Relative Permittivity (ϵ_r):	41.75	41.96	-0.51	5
		e"	21.6971	Conductivity (σ):	0.90	0.89	1.31	5
	Head 660	e'	42.0642	Relative Permittivity (ϵ_r):	42.06	42.42	-0.85	5
		e"	23.8931	Conductivity (σ):	0.88	0.89	-1.05	5
	Head 800	e'	41.5866	Relative Permittivity (ϵ_r):	41.59	41.71	-0.28	5
		e"	20.6687	Conductivity (σ):	0.92	0.90	2.51	5
2026-03-20	Head 750	e'	41.7000	Relative Permittivity (ϵ_r):	41.70	41.96	-0.62	5
		e"	21.9400	Conductivity (σ):	0.91	0.89	2.45	5
	Head 660	e'	41.9600	Relative Permittivity (ϵ_r):	41.96	42.42	-1.09	5
		e"	24.1700	Conductivity (σ):	0.89	0.89	0.09	5
	Head 800	e'	41.5900	Relative Permittivity (ϵ_r):	41.59	41.71	-0.28	5
		e"	20.9500	Conductivity (σ):	0.93	0.90	3.90	5
2026-03-24	Head 750	e'	41.8837	Relative Permittivity (ϵ_r):	41.88	41.96	-0.19	5
		e"	21.4255	Conductivity (σ):	0.89	0.89	0.05	5
	Head 660	e'	42.1703	Relative Permittivity (ϵ_r):	42.17	42.42	-0.60	5
		e"	23.5581	Conductivity (σ):	0.86	0.89	-2.44	5
	Head 800	e'	41.7401	Relative Permittivity (ϵ_r):	41.74	41.71	0.08	5
		e"	20.3976	Conductivity (σ):	0.91	0.90	1.16	5
2026-03-30	Head 750	e'	42.2811	Relative Permittivity (ϵ_r):	42.28	41.96	0.76	5
		e"	22.0244	Conductivity (σ):	0.92	0.89	2.84	5
	Head 660	e'	42.5579	Relative Permittivity (ϵ_r):	42.56	42.42	0.32	5
		e"	24.2566	Conductivity (σ):	0.89	0.89	0.45	5
	Head 800	e'	42.1522	Relative Permittivity (ϵ_r):	42.15	41.71	1.07	5
		e"	21.0047	Conductivity (σ):	0.93	0.90	4.17	5
2026-03-30	Head 1750	e'	40.6859	Relative Permittivity (ϵ_r):	40.69	40.08	1.50	5
		e"	13.7141	Conductivity (σ):	1.33	1.37	-2.52	5
	Head 1710	e'	40.7489	Relative Permittivity (ϵ_r):	40.75	40.15	1.50	5
		e"	13.8551	Conductivity (σ):	1.32	1.35	-2.16	5
	Head 1780	e'	40.6561	Relative Permittivity (ϵ_r):	40.66	40.04	1.54	5
		e"	13.6140	Conductivity (σ):	1.35	1.39	-2.78	5
2026-03-30	Head 1900	e'	40.6221	Relative Permittivity (ϵ_r):	40.62	40.00	1.56	5
		e"	13.3799	Conductivity (σ):	1.41	1.40	0.97	5
	Head 1850	e'	40.6349	Relative Permittivity (ϵ_r):	40.63	40.00	1.59	5
		e"	13.4305	Conductivity (σ):	1.38	1.40	-1.32	5
	Head 1915	e'	40.6082	Relative Permittivity (ϵ_r):	40.61	40.00	1.52	5
		e"	13.3708	Conductivity (σ):	1.42	1.40	1.69	5
2026-04-02	Head 835	e'	42.1890	Relative Permittivity (ϵ_r):	42.19	41.50	1.66	5
		e"	19.8693	Conductivity (σ):	0.92	0.90	2.50	5
	Head 810	e'	42.2554	Relative Permittivity (ϵ_r):	42.26	41.65	1.44	5
		e"	20.2653	Conductivity (σ):	0.91	0.90	1.67	5
	Head 850	e'	42.1464	Relative Permittivity (ϵ_r):	42.15	41.50	1.56	5
		e"	19.6450	Conductivity (σ):	0.93	0.92	1.47	5
2026-04-02	Head 1750	e'	40.2674	Relative Permittivity (ϵ_r):	40.27	40.08	0.46	5
		e"	14.1680	Conductivity (σ):	1.38	1.37	0.70	5
	Head 1710	e'	40.3735	Relative Permittivity (ϵ_r):	40.37	40.15	0.57	5
		e"	14.2366	Conductivity (σ):	1.35	1.35	0.54	5
	Head 1780	e'	40.1886	Relative Permittivity (ϵ_r):	40.19	40.04	0.37	5
		e"	14.0913	Conductivity (σ):	1.39	1.39	0.63	5
2026-04-02	Head 1900	e'	40.0857	Relative Permittivity (ϵ_r):	40.09	40.00	0.21	5
		e"	13.7935	Conductivity (σ):	1.46	1.40	4.09	5
	Head 1850	e'	40.0883	Relative Permittivity (ϵ_r):	40.09	40.00	0.22	5
		e"	13.8837	Conductivity (σ):	1.43	1.40	2.01	5
	Head 1915	e'	40.0862	Relative Permittivity (ϵ_r):	40.09	40.00	0.22	5
		e"	13.7819	Conductivity (σ):	1.47	1.40	4.82	5
2026-04-14	Head 1900	e'	38.4400	Relative Permittivity (ϵ_r):	38.44	40.00	-3.90	5
		e"	13.0800	Conductivity (σ):	1.38	1.40	-1.30	5
	Head 1850	e'	38.4500	Relative Permittivity (ϵ_r):	38.45	40.00	-3.87	5
		e"	13.1500	Conductivity (σ):	1.35	1.40	-3.38	5
	Head 1915	e'	38.4200	Relative Permittivity (ϵ_r):	38.42	40.00	-3.95	5
		e"	13.0700	Conductivity (σ):	1.39	1.40	-0.59	5
2026-05-03	Head 2450	e'	38.2600	Relative Permittivity (ϵ_r):	38.26	39.20	-2.40	5
		e"	13.4800	Conductivity (σ):	1.84	1.80	2.02	5
	Head 2400	e'	38.3900	Relative Permittivity (ϵ_r):	38.39	39.30	-2.31	5
		e"	13.4500	Conductivity (σ):	1.79	1.75	2.47	5
	Head 2480	e'	38.1800	Relative Permittivity (ϵ_r):	38.18	39.16	-2.51	5
		e"	13.4800	Conductivity (σ):	1.86	1.83	1.44	5

SAR 4 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
2026-03-03	Head 750	e'	41.7900	Relative Permittivity (ε _r):	41.79	41.96	-0.41	5
		e"	21.3300	Conductivity (σ):	0.89	0.89	-0.40	5
	Head 660	e'	42.1100	Relative Permittivity (ε _r):	42.11	42.42	-0.74	5
		e"	22.9900	Conductivity (σ):	0.84	0.89	-4.79	5
	Head 800	e'	41.6200	Relative Permittivity (ε _r):	41.62	41.71	-0.20	5
		e"	20.5500	Conductivity (σ):	0.91	0.90	1.92	5
2026-03-03	Head 835	e'	41.5500	Relative Permittivity (ε _r):	41.55	41.50	0.12	5
		e"	20.0800	Conductivity (σ):	0.93	0.90	3.59	5
	Head 810	e'	41.6000	Relative Permittivity (ε _r):	41.60	41.65	-0.13	5
		e"	20.4100	Conductivity (σ):	0.92	0.90	2.40	5
	Head 850	e'	41.5300	Relative Permittivity (ε _r):	41.53	41.50	0.07	5
		e"	19.9000	Conductivity (σ):	0.94	0.92	2.79	5
2026-03-09	Head 750	e'	41.1110	Relative Permittivity (ε _r):	41.11	41.96	-2.03	5
		e"	21.3200	Conductivity (σ):	0.89	0.89	-0.45	5
	Head 660	e'	41.4100	Relative Permittivity (ε _r):	41.41	42.42	-2.39	5
		e"	23.5900	Conductivity (σ):	0.87	0.89	-2.31	5
	Head 800	e'	40.9400	Relative Permittivity (ε _r):	40.94	41.71	-1.83	5
		e"	20.2900	Conductivity (σ):	0.90	0.90	0.63	5
2026-03-09	Head 835	e'	40.8500	Relative Permittivity (ε _r):	40.85	41.50	-1.57	5
		e"	19.5900	Conductivity (σ):	0.91	0.90	1.06	5
	Head 810	e'	40.9100	Relative Permittivity (ε _r):	40.91	41.65	-1.79	5
		e"	20.1000	Conductivity (σ):	0.91	0.90	0.84	5
	Head 850	e'	40.8200	Relative Permittivity (ε _r):	40.82	41.50	-1.64	5
		e"	19.3200	Conductivity (σ):	0.91	0.92	-0.21	5
2026-03-13	Head 750	e'	41.8400	Relative Permittivity (ε _r):	41.84	41.96	-0.29	5
		e"	21.7900	Conductivity (σ):	0.91	0.89	1.75	5
	Head 660	e'	42.1300	Relative Permittivity (ε _r):	42.13	42.42	-0.69	5
		e"	23.9500	Conductivity (σ):	0.88	0.89	-0.82	5
	Head 800	e'	41.7100	Relative Permittivity (ε _r):	41.71	41.71	0.01	5
		e"	20.7500	Conductivity (σ):	0.92	0.90	2.91	5
2026-03-13	Head 835	e'	41.6200	Relative Permittivity (ε _r):	41.62	41.50	0.29	5
		e"	20.2800	Conductivity (σ):	0.94	0.90	4.62	5
	Head 810	e'	41.6800	Relative Permittivity (ε _r):	41.68	41.65	0.06	5
		e"	20.6100	Conductivity (σ):	0.93	0.90	3.40	5
	Head 850	e'	41.5800	Relative Permittivity (ε _r):	41.58	41.50	0.19	5
		e"	20.0200	Conductivity (σ):	0.95	0.92	3.41	5
2026-03-17	Head 750	e'	42.9000	Relative Permittivity (ε _r):	42.90	41.96	2.24	5
		e"	21.7100	Conductivity (σ):	0.91	0.89	1.38	5
	Head 660	e'	43.2100	Relative Permittivity (ε _r):	43.21	42.42	1.85	5
		e"	23.5900	Conductivity (σ):	0.87	0.89	-2.31	5
	Head 800	e'	42.7600	Relative Permittivity (ε _r):	42.76	41.71	2.53	5
		e"	20.8700	Conductivity (σ):	0.93	0.90	3.50	5
2026-03-17	Head 835	e'	42.6600	Relative Permittivity (ε _r):	42.66	41.50	2.80	5
		e"	20.3100	Conductivity (σ):	0.94	0.90	4.77	5
	Head 810	e'	42.7300	Relative Permittivity (ε _r):	42.73	41.65	2.58	5
		e"	20.7500	Conductivity (σ):	0.93	0.90	4.11	5
	Head 850	e'	42.6100	Relative Permittivity (ε _r):	42.61	41.50	2.67	5
		e"	20.1400	Conductivity (σ):	0.95	0.92	4.03	5
2026-03-23	Head 750	e'	40.4200	Relative Permittivity (ε _r):	40.42	41.96	-3.67	5
		e"	20.9700	Conductivity (σ):	0.87	0.89	-2.08	5
	Head 660	e'	40.7200	Relative Permittivity (ε _r):	40.72	42.42	-4.01	5
		e"	23.1100	Conductivity (σ):	0.85	0.89	-4.30	5
	Head 800	e'	40.3000	Relative Permittivity (ε _r):	40.30	41.71	-3.37	5
		e"	19.9700	Conductivity (σ):	0.89	0.90	-0.96	5
2026-03-23	Head 835	e'	40.2200	Relative Permittivity (ε _r):	40.22	41.50	-3.08	5
		e"	19.3800	Conductivity (σ):	0.90	0.90	-0.02	5
	Head 810	e'	40.2800	Relative Permittivity (ε _r):	40.28	41.65	-3.30	5
		e"	19.8000	Conductivity (σ):	0.89	0.90	-0.66	5
	Head 850	e'	40.1900	Relative Permittivity (ε _r):	40.19	41.50	-3.16	5
		e"	19.1400	Conductivity (σ):	0.90	0.92	-1.14	5

SAR 4 Room (Continued)

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-03-27	Head 750	e'	41.1000	Relative Permittivity (ϵ_r):	41.10	41.96	-2.05	5
		e"	21.7400	Conductivity (σ):	0.91	0.89	1.52	5
	Head 660	e'	41.4000	Relative Permittivity (ϵ_r):	41.40	42.42	-2.41	5
		e"	24.0600	Conductivity (σ):	0.88	0.89	-0.36	5
	Head 800	e'	40.9600	Relative Permittivity (ϵ_r):	40.96	41.71	-1.79	5
		e"	20.6900	Conductivity (σ):	0.92	0.90	2.61	5
2026-03-27	Head 835	e'	40.8500	Relative Permittivity (ϵ_r):	40.85	41.50	-1.57	5
		e"	20.0200	Conductivity (σ):	0.93	0.90	3.28	5
	Head 810	e'	40.9300	Relative Permittivity (ϵ_r):	40.93	41.65	-1.74	5
		e"	20.4900	Conductivity (σ):	0.92	0.90	2.80	5
	Head 850	e'	40.8100	Relative Permittivity (ϵ_r):	40.81	41.50	-1.66	5
		e"	19.7500	Conductivity (σ):	0.93	0.92	2.02	5
2026-03-31	Head 750	e'	41.5200	Relative Permittivity (ϵ_r):	41.52	41.96	-1.05	5
		e"	21.2500	Conductivity (σ):	0.89	0.89	-0.77	5
	Head 660	e'	41.8300	Relative Permittivity (ϵ_r):	41.83	42.42	-1.40	5
		e"	23.3000	Conductivity (σ):	0.86	0.89	-3.51	5
	Head 800	e'	41.3700	Relative Permittivity (ϵ_r):	41.37	41.71	-0.80	5
		e"	20.3200	Conductivity (σ):	0.90	0.90	0.78	5
2026-03-31	Head 835	e'	41.2900	Relative Permittivity (ϵ_r):	41.29	41.50	-0.51	5
		e"	19.7600	Conductivity (σ):	0.92	0.90	1.94	5
	Head 810	e'	41.3400	Relative Permittivity (ϵ_r):	41.34	41.65	-0.75	5
		e"	20.1500	Conductivity (σ):	0.91	0.90	1.10	5
	Head 850	e'	41.2700	Relative Permittivity (ϵ_r):	41.27	41.50	-0.55	5
		e"	19.5300	Conductivity (σ):	0.92	0.92	0.88	5
2026-04-04	Head 750	e'	41.9700	Relative Permittivity (ϵ_r):	41.97	41.96	0.02	5
		e"	21.6300	Conductivity (σ):	0.90	0.89	1.00	5
	Head 660	e'	42.2500	Relative Permittivity (ϵ_r):	42.25	42.42	-0.41	5
		e"	23.7900	Conductivity (σ):	0.87	0.89	-1.48	5
	Head 800	e'	41.8300	Relative Permittivity (ϵ_r):	41.83	41.71	0.30	5
		e"	20.6500	Conductivity (σ):	0.92	0.90	2.41	5
2026-04-04	Head 835	e'	41.7400	Relative Permittivity (ϵ_r):	41.74	41.50	0.58	5
		e"	20.0500	Conductivity (σ):	0.93	0.90	3.43	5
	Head 810	e'	41.8000	Relative Permittivity (ϵ_r):	41.80	41.65	0.35	5
		e"	20.4800	Conductivity (σ):	0.92	0.90	2.75	5
	Head 850	e'	41.6900	Relative Permittivity (ϵ_r):	41.69	41.50	0.46	5
		e"	19.8100	Conductivity (σ):	0.94	0.92	2.32	5
2026-04-07	Head 750	e'	41.9100	Relative Permittivity (ϵ_r):	41.91	41.96	-0.12	5
		e"	22.0800	Conductivity (σ):	0.92	0.89	3.10	5
	Head 660	e'	42.2600	Relative Permittivity (ϵ_r):	42.26	42.42	-0.38	5
		e"	24.3500	Conductivity (σ):	0.89	0.89	0.84	5
	Head 800	e'	41.7300	Relative Permittivity (ϵ_r):	41.73	41.71	0.06	5
		e"	21.0200	Conductivity (σ):	0.94	0.90	4.25	5
2026-04-07	Head 835	e'	41.6400	Relative Permittivity (ϵ_r):	41.64	41.50	0.34	5
		e"	20.3400	Conductivity (σ):	0.94	0.90	4.93	5
	Head 810	e'	41.7000	Relative Permittivity (ϵ_r):	41.70	41.65	0.11	5
		e"	20.8200	Conductivity (σ):	0.94	0.90	4.46	5
	Head 850	e'	41.6300	Relative Permittivity (ϵ_r):	41.63	41.50	0.31	5
		e"	20.0800	Conductivity (σ):	0.95	0.92	3.72	5
2026-04-07	Head 1750	e'	39.7000	Relative Permittivity (ϵ_r):	39.70	40.08	-0.96	5
		e"	13.4800	Conductivity (σ):	1.31	1.37	-4.19	5
	Head 1695	e'	39.8400	Relative Permittivity (ϵ_r):	39.84	40.17	-0.82	5
		e"	13.6700	Conductivity (σ):	1.29	1.34	-3.71	5
	Head 1780	e'	39.6700	Relative Permittivity (ϵ_r):	39.67	40.04	-0.92	5
		e"	13.3800	Conductivity (σ):	1.32	1.39	-4.45	5
2026-04-07	Head 1900	e'	39.5200	Relative Permittivity (ϵ_r):	39.52	40.00	-1.20	5
		e"	13.1300	Conductivity (σ):	1.39	1.40	-0.92	5
	Head 1850	e'	39.6100	Relative Permittivity (ϵ_r):	39.61	40.00	-0.98	5
		e"	13.2300	Conductivity (σ):	1.36	1.40	-2.79	5
	Head 1915	e'	39.5000	Relative Permittivity (ϵ_r):	39.50	40.00	-1.25	5
		e"	13.1100	Conductivity (σ):	1.40	1.40	-0.29	5

SAR 4 Room (Continued)

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-04-11	Head 750	e'	42.5700	Relative Permittivity (ϵ_r):	42.57	41.96	1.45	5
		e"	21.9200	Conductivity (σ):	0.91	0.89	2.36	5
	Head 660	e'	42.8700	Relative Permittivity (ϵ_r):	42.87	42.42	1.05	5
		e"	24.2000	Conductivity (σ):	0.89	0.89	0.22	5
	Head 800	e'	42.4300	Relative Permittivity (ϵ_r):	42.43	41.71	1.74	5
		e"	20.8600	Conductivity (σ):	0.93	0.90	3.45	5
2026-04-11	Head 835	e'	42.3600	Relative Permittivity (ϵ_r):	42.36	41.50	2.07	5
		e"	20.1900	Conductivity (σ):	0.94	0.90	4.15	5
	Head 810	e'	42.4100	Relative Permittivity (ϵ_r):	42.41	41.65	1.82	5
		e"	20.6600	Conductivity (σ):	0.93	0.90	3.65	5
	Head 850	e'	42.3500	Relative Permittivity (ϵ_r):	42.35	41.50	2.05	5
		e"	19.9300	Conductivity (σ):	0.94	0.92	2.94	5
2026-04-11	Head 1750	e'	40.7800	Relative Permittivity (ϵ_r):	40.78	40.08	1.73	5
		e"	13.4200	Conductivity (σ):	1.31	1.37	-4.61	5
	Head 1695	e'	40.8100	Relative Permittivity (ϵ_r):	40.81	40.17	1.60	5
		e"	13.5900	Conductivity (σ):	1.28	1.34	-4.27	5
	Head 1780	e'	40.7500	Relative Permittivity (ϵ_r):	40.75	40.04	1.78	5
		e"	13.3500	Conductivity (σ):	1.32	1.39	-4.66	5
2026-04-11	Head 1900	e'	40.6300	Relative Permittivity (ϵ_r):	40.63	40.00	1.58	5
		e"	13.1000	Conductivity (σ):	1.38	1.40	-1.15	5
	Head 1850	e'	40.6700	Relative Permittivity (ϵ_r):	40.67	40.00	1.68	5
		e"	13.1900	Conductivity (σ):	1.36	1.40	-3.09	5
	Head 1915	e'	40.6100	Relative Permittivity (ϵ_r):	40.61	40.00	1.53	5
		e"	13.0900	Conductivity (σ):	1.39	1.40	-0.44	5
2026-04-13	Head 2250	e'	40.0100	Relative Permittivity (ϵ_r):	40.01	39.56	1.14	5
		e"	13.5400	Conductivity (σ):	1.69	1.62	4.58	5
	Head 2300	e'	39.9700	Relative Permittivity (ϵ_r):	39.97	39.47	1.26	5
		e"	13.5100	Conductivity (σ):	1.73	1.66	3.85	5
	Head 2350	e'	39.9100	Relative Permittivity (ϵ_r):	39.91	39.38	1.33	5
		e"	13.4900	Conductivity (σ):	1.76	1.71	3.22	5
2026-04-13	Head 2450	e'	39.7600	Relative Permittivity (ϵ_r):	39.76	39.20	1.43	5
		e"	13.3600	Conductivity (σ):	1.82	1.80	1.11	5
	Head 2400	e'	39.8200	Relative Permittivity (ϵ_r):	39.82	39.30	1.33	5
		e"	13.4300	Conductivity (σ):	1.79	1.75	2.32	5
	Head 2500	e'	39.7300	Relative Permittivity (ϵ_r):	39.73	39.14	1.52	5
		e"	13.3000	Conductivity (σ):	1.85	1.85	-0.28	5
2026-04-13	Head 2600	e'	39.6800	Relative Permittivity (ϵ_r):	39.68	39.01	1.72	5
		e"	13.2700	Conductivity (σ):	1.92	1.96	-2.23	5
	Head 2495	e'	39.7300	Relative Permittivity (ϵ_r):	39.73	39.14	1.50	5
		e"	13.3100	Conductivity (σ):	1.85	1.85	-0.12	5
	Head 2700	e'	39.5800	Relative Permittivity (ϵ_r):	39.58	38.88	1.79	5
		e"	13.2700	Conductivity (σ):	1.99	2.07	-3.77	5
2026-04-13	Head 3500	e'	39.4000	Relative Permittivity (ϵ_r):	39.40	37.93	3.88	5
		e"	14.3000	Conductivity (σ):	2.78	2.91	-4.42	5
	Head 3600	e'	39.2000	Relative Permittivity (ϵ_r):	39.20	37.82	3.66	5
		e"	14.4300	Conductivity (σ):	2.89	3.01	-4.16	5
	Head 3700	e'	38.9900	Relative Permittivity (ϵ_r):	38.99	37.70	3.42	5
		e"	14.5500	Conductivity (σ):	2.99	3.12	-3.94	5
	Head 3800	e'	38.8000	Relative Permittivity (ϵ_r):	38.80	37.59	3.23	5
		e"	14.6700	Conductivity (σ):	3.10	3.22	-3.69	5
	Head 3900	e'	38.4100	Relative Permittivity (ϵ_r):	38.41	37.47	2.50	5
		e"	14.7800	Conductivity (σ):	3.21	3.32	-3.49	5
	Head 3980	e'	38.4700	Relative Permittivity (ϵ_r):	38.47	37.38	2.91	5
		e"	14.8700	Conductivity (σ):	3.29	3.40	-3.29	5

SAR 4 Room (Continued)

Date	Freq. (MHz)	Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
2026-04-13	Head 5200	e'	35.9200	Relative Permittivity (ϵ_r):	35.92	35.99	-0.20	5
		e"	16.4600	Conductivity (σ):	4.76	4.65	2.33	5
	Head 5250	e'	35.8100	Relative Permittivity (ϵ_r):	35.81	35.93	-0.34	5
		e"	16.5100	Conductivity (σ):	4.82	4.70	2.50	5
	Head 5600	e'	35.0700	Relative Permittivity (ϵ_r):	35.07	35.53	-1.31	5
		e"	16.8400	Conductivity (σ):	5.24	5.06	3.62	5
	Head 5750	e'	34.7600	Relative Permittivity (ϵ_r):	34.76	35.36	-1.70	5
		e"	16.9900	Conductivity (σ):	5.43	5.21	4.19	5
	Head 5800	e'	34.6600	Relative Permittivity (ϵ_r):	34.66	35.30	-1.81	5
		e"	17.0400	Conductivity (σ):	5.50	5.27	4.28	5
	Head 5925	e'	34.4100	Relative Permittivity (ϵ_r):	34.41	35.20	-2.24	5
		e"	17.1400	Conductivity (σ):	5.65	5.40	4.57	5
2026-04-15	Head 750	e'	41.1700	Relative Permittivity (ϵ_r):	41.17	41.96	-1.89	5
		e"	21.4100	Conductivity (σ):	0.89	0.89	-0.03	5
	Head 660	e'	41.5700	Relative Permittivity (ϵ_r):	41.57	42.42	-2.01	5
		e"	23.7000	Conductivity (σ):	0.87	0.89	-1.85	5
	Head 800	e'	40.9700	Relative Permittivity (ϵ_r):	40.97	41.71	-1.76	5
		e"	20.3300	Conductivity (σ):	0.90	0.90	0.83	5
2026-04-15	Head 835	e'	40.9000	Relative Permittivity (ϵ_r):	40.90	41.50	-1.45	5
		e"	19.6800	Conductivity (σ):	0.91	0.90	1.52	5
	Head 810	e'	40.9500	Relative Permittivity (ϵ_r):	40.95	41.65	-1.69	5
		e"	20.1300	Conductivity (σ):	0.91	0.90	1.00	5
	Head 850	e'	40.8500	Relative Permittivity (ϵ_r):	40.85	41.50	-1.57	5
		e"	19.4400	Conductivity (σ):	0.92	0.92	0.41	5
2026-04-16	Head 750	e'	40.5900	Relative Permittivity (ϵ_r):	40.59	41.96	-3.27	5
		e"	21.6800	Conductivity (σ):	0.90	0.89	1.24	5
	Head 660	e'	40.8900	Relative Permittivity (ϵ_r):	40.89	42.42	-3.61	5
		e"	23.9500	Conductivity (σ):	0.88	0.89	-0.82	5
	Head 800	e'	40.4200	Relative Permittivity (ϵ_r):	40.42	41.71	-3.08	5
		e"	20.6400	Conductivity (σ):	0.92	0.90	2.36	5
2026-04-16	Head 835	e'	40.3500	Relative Permittivity (ϵ_r):	40.35	41.50	-2.77	5
		e"	19.9800	Conductivity (σ):	0.93	0.90	3.07	5
	Head 810	e'	40.3900	Relative Permittivity (ϵ_r):	40.39	41.65	-3.03	5
		e"	20.4500	Conductivity (σ):	0.92	0.90	2.60	5
	Head 850	e'	40.3100	Relative Permittivity (ϵ_r):	40.31	41.50	-2.87	5
		e"	19.7200	Conductivity (σ):	0.93	0.92	1.86	5
2026-04-20	Head 750	e'	41.5500	Relative Permittivity (ϵ_r):	41.55	41.96	-0.98	5
		e"	21.3900	Conductivity (σ):	0.89	0.89	-0.12	5
	Head 660	e'	41.8600	Relative Permittivity (ϵ_r):	41.86	42.42	-1.33	5
		e"	23.5900	Conductivity (σ):	0.87	0.89	-2.31	5
	Head 800	e'	41.3800	Relative Permittivity (ϵ_r):	41.38	41.71	-0.78	5
		e"	20.3700	Conductivity (σ):	0.91	0.90	1.02	5
2026-04-20	Head 835	e'	41.3000	Relative Permittivity (ϵ_r):	41.30	41.50	-0.48	5
		e"	19.7300	Conductivity (σ):	0.92	0.90	1.78	5
	Head 810	e'	41.3400	Relative Permittivity (ϵ_r):	41.34	41.65	-0.75	5
		e"	20.1900	Conductivity (σ):	0.91	0.90	1.30	5
	Head 850	e'	41.2900	Relative Permittivity (ϵ_r):	41.29	41.50	-0.51	5
		e"	19.4800	Conductivity (σ):	0.92	0.92	0.62	5
2026-04-23	Head 2450	e'	38.9800	Relative Permittivity (ϵ_r):	38.98	39.20	-0.56	5
		e"	13.6500	Conductivity (σ):	1.86	1.80	3.31	5
	Head 2400	e'	39.0000	Relative Permittivity (ϵ_r):	39.00	39.30	-0.76	5
		e"	13.7000	Conductivity (σ):	1.83	1.75	4.37	5
	Head 2500	e'	38.9200	Relative Permittivity (ϵ_r):	38.92	39.14	-0.55	5
		e"	13.6200	Conductivity (σ):	1.89	1.85	2.12	5
2026-05-27	Head 835	e'	42.5200	Relative Permittivity (ϵ_r):	42.52	41.50	2.46	5
		e"	20.1700	Conductivity (σ):	0.94	0.90	4.05	5
	Head 810	e'	42.6100	Relative Permittivity (ϵ_r):	42.61	41.65	2.30	5
		e"	20.6500	Conductivity (σ):	0.93	0.90	3.60	5
	Head 850	e'	42.4500	Relative Permittivity (ϵ_r):	42.45	41.50	2.29	5
		e"	20.0700	Conductivity (σ):	0.95	0.92	3.67	5

SAR 5 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
2026-03-03	Head 2600	e'	39.7400	Relative Permittivity (ϵ_r):	39.74	39.01	1.87	5
		e"	13.5900	Conductivity (σ):	1.96	1.96	0.13	5
	Head 2495	e'	39.8600	Relative Permittivity (ϵ_r):	39.86	39.14	1.83	5
		e"	13.5300	Conductivity (σ):	1.88	1.85	1.53	5
	Head 2700	e'	39.5500	Relative Permittivity (ϵ_r):	39.55	38.88	1.71	5
		e"	13.6700	Conductivity (σ):	2.05	2.07	-0.87	5
2026-03-09	Head 2600	e'	40.7100	Relative Permittivity (ϵ_r):	40.71	39.01	4.36	5
		e"	13.1300	Conductivity (σ):	1.90	1.96	-3.26	5
	Head 2495	e'	40.9000	Relative Permittivity (ϵ_r):	40.90	39.14	4.49	5
		e"	13.0600	Conductivity (σ):	1.81	1.85	-1.99	5
	Head 2700	e'	40.5000	Relative Permittivity (ϵ_r):	40.50	38.88	4.15	5
		e"	13.2100	Conductivity (σ):	1.98	2.07	-4.21	5
2026-03-13	Head 2600	e'	39.1500	Relative Permittivity (ϵ_r):	39.15	39.01	0.36	5
		e"	13.3000	Conductivity (σ):	1.92	1.96	-2.01	5
	Head 2495	e'	39.3000	Relative Permittivity (ϵ_r):	39.30	39.14	0.40	5
		e"	13.2500	Conductivity (σ):	1.84	1.85	-0.57	5
	Head 2700	e'	38.9600	Relative Permittivity (ϵ_r):	38.96	38.88	0.19	5
		e"	13.3200	Conductivity (σ):	2.00	2.07	-3.41	5
2026-03-17	Head 2600	e'	39.3400	Relative Permittivity (ϵ_r):	39.34	39.01	0.84	5
		e"	13.0700	Conductivity (σ):	1.89	1.96	-3.70	5
	Head 2495	e'	39.4800	Relative Permittivity (ϵ_r):	39.48	39.14	0.86	5
		e"	12.9600	Conductivity (σ):	1.80	1.85	-2.74	5
	Head 2700	e'	39.1500	Relative Permittivity (ϵ_r):	39.15	38.88	0.68	5
		e"	13.1700	Conductivity (σ):	1.98	2.07	-4.50	5

SAR 6 Room

Date	Freq. (MHz)			Liquid Parameters	Measured	Target	Delta (%)	Limit $\pm$ (%)
2026-03-05	Head 1750	e'	40.9100	Relative Permittivity (ϵ_r):	40.91	40.08	2.06	5
		e''	13.6300	Conductivity (σ):	1.33	1.37	-3.12	5
	Head 1710	e'	40.9600	Relative Permittivity (ϵ_r):	40.96	40.15	2.03	5
		e''	13.6600	Conductivity (σ):	1.30	1.35	-3.54	5
	Head 1780	e'	40.8200	Relative Permittivity (ϵ_r):	40.82	40.04	1.95	5
		e''	13.6300	Conductivity (σ):	1.35	1.39	-2.66	5
2026-03-05	Head 1900	e'	40.5000	Relative Permittivity (ϵ_r):	40.50	40.00	1.25	5
		e''	13.6700	Conductivity (σ):	1.44	1.40	3.16	5
	Head 1850	e'	40.6100	Relative Permittivity (ϵ_r):	40.61	40.00	1.53	5
		e''	13.6500	Conductivity (σ):	1.40	1.40	0.29	5
	Head 1915	e'	40.4700	Relative Permittivity (ϵ_r):	40.47	40.00	1.18	5
		e''	13.6700	Conductivity (σ):	1.46	1.40	3.97	5
2026-03-09	Head 1900	e'	41.5400	Relative Permittivity (ϵ_r):	41.54	40.00	3.85	5
		e''	13.1100	Conductivity (σ):	1.39	1.40	-1.07	5
	Head 1850	e'	41.5300	Relative Permittivity (ϵ_r):	41.53	40.00	3.83	5
		e''	13.2200	Conductivity (σ):	1.36	1.40	-2.87	5
	Head 1915	e'	41.5400	Relative Permittivity (ϵ_r):	41.54	40.00	3.85	5
		e''	13.0700	Conductivity (σ):	1.39	1.40	-0.59	5
2026-03-10	Head 750	e'	41.3100	Relative Permittivity (ϵ_r):	41.31	41.96	-1.55	5
		e''	21.7200	Conductivity (σ):	0.91	0.89	1.42	5
	Head 660	e'	41.6200	Relative Permittivity (ϵ_r):	41.62	42.42	-1.89	5
		e''	23.9800	Conductivity (σ):	0.88	0.89	-0.69	5
	Head 800	e'	41.1100	Relative Permittivity (ϵ_r):	41.11	41.71	-1.43	5
		e''	20.6800	Conductivity (σ):	0.92	0.90	2.56	5
2026-03-10	Head 835	e'	40.9700	Relative Permittivity (ϵ_r):	40.97	41.50	-1.28	5
		e''	20.0600	Conductivity (σ):	0.93	0.90	3.48	5
	Head 810	e'	41.0700	Relative Permittivity (ϵ_r):	41.07	41.65	-1.40	5
		e''	20.5000	Conductivity (σ):	0.92	0.90	2.85	5
	Head 850	e'	40.9300	Relative Permittivity (ϵ_r):	40.93	41.50	-1.37	5
		e''	19.8200	Conductivity (σ):	0.94	0.92	2.38	5
2026-03-16	Head 750	e'	41.8600	Relative Permittivity (ϵ_r):	41.86	41.96	-0.24	5
		e''	21.5400	Conductivity (σ):	0.90	0.89	0.58	5
	Head 660	e'	42.1700	Relative Permittivity (ϵ_r):	42.17	42.42	-0.60	5
		e''	23.6700	Conductivity (σ):	0.87	0.89	-1.98	5
	Head 800	e'	41.6700	Relative Permittivity (ϵ_r):	41.67	41.71	-0.08	5
		e''	20.5600	Conductivity (σ):	0.91	0.90	1.97	5
2026-03-16	Head 835	e'	41.5300	Relative Permittivity (ϵ_r):	41.53	41.50	0.07	5
		e''	19.9800	Conductivity (σ):	0.93	0.90	3.07	5
	Head 810	e'	41.6200	Relative Permittivity (ϵ_r):	41.62	41.65	-0.08	5
		e''	20.3800	Conductivity (σ):	0.92	0.90	2.25	5
	Head 850	e'	41.4900	Relative Permittivity (ϵ_r):	41.49	41.50	-0.02	5
		e''	19.7600	Conductivity (σ):	0.93	0.92	2.07	5
2026-03-19	Head 1750	e'	39.2000	Relative Permittivity (ϵ_r):	39.20	40.08	-2.21	5
		e''	13.9600	Conductivity (σ):	1.36	1.37	-0.77	5
	Head 1710	e'	39.3100	Relative Permittivity (ϵ_r):	39.31	40.15	-2.08	5
		e''	14.0500	Conductivity (σ):	1.34	1.35	-0.78	5
	Head 1780	e'	39.0800	Relative Permittivity (ϵ_r):	39.08	40.04	-2.39	5
		e''	13.8800	Conductivity (σ):	1.37	1.39	-0.88	5
2026-03-19	Head 1900	e'	38.9500	Relative Permittivity (ϵ_r):	38.95	40.00	-2.62	5
		e''	13.5600	Conductivity (σ):	1.43	1.40	2.33	5
	Head 1850	e'	38.9200	Relative Permittivity (ϵ_r):	38.92	40.00	-2.70	5
		e''	13.6500	Conductivity (σ):	1.40	1.40	0.29	5
	Head 1915	e'	38.9700	Relative Permittivity (ϵ_r):	38.97	40.00	-2.58	5
		e''	13.5400	Conductivity (σ):	1.44	1.40	2.98	5
2026-03-19	Head 835	e'	41.3900	Relative Permittivity (ϵ_r):	41.39	41.50	-0.27	5
		e''	19.8000	Conductivity (σ):	0.92	0.90	2.14	5
	Head 810	e'	41.5100	Relative Permittivity (ϵ_r):	41.51	41.65	-0.35	5
		e''	20.1900	Conductivity (σ):	0.91	0.90	1.30	5
	Head 850	e'	41.3300	Relative Permittivity (ϵ_r):	41.33	41.50	-0.41	5
		e''	19.5800	Conductivity (σ):	0.93	0.92	1.14	5
2026-06-02	Head 2600	e'	38.8124	Relative Permittivity (ϵ_r):	38.81	39.01	-0.51	5
		e''	13.1587	Conductivity (σ):	1.90	1.96	-3.05	5
	Head 2495	e'	38.9163	Relative Permittivity (ϵ_r):	38.92	39.14	-0.58	5
		e''	13.1639	Conductivity (σ):	1.83	1.85	-1.21	5
	Head 2700	e'	38.6556	Relative Permittivity (ϵ_r):	38.66	38.88	-0.59	5
		e''	13.2611	Conductivity (σ):	1.99	2.07	-3.84	5

SAR 7 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
2026-03-03	Head 750	e'	42.6500	Relative Permittivity (ε _r):	42.65	41.96	1.64	5
		e"	21.4800	Conductivity (σ):	0.90	0.89	0.30	5
	Head 660	e'	43.0000	Relative Permittivity (ε _r):	43.00	42.42	1.36	5
		e"	23.3300	Conductivity (σ):	0.86	0.89	-3.38	5
	Head 800	e'	42.4800	Relative Permittivity (ε _r):	42.48	41.71	1.86	5
		e"	20.6400	Conductivity (σ):	0.92	0.90	2.36	5
2026-03-03	Head 835	e'	42.3600	Relative Permittivity (ε _r):	42.36	41.50	2.07	5
		e"	20.1100	Conductivity (σ):	0.93	0.90	3.74	5
	Head 810	e'	42.4400	Relative Permittivity (ε _r):	42.44	41.65	1.89	5
		e"	20.4800	Conductivity (σ):	0.92	0.90	2.75	5
	Head 850	e'	42.3100	Relative Permittivity (ε _r):	42.31	41.50	1.95	5
		e"	19.9000	Conductivity (σ):	0.94	0.92	2.79	5
2026-03-09	Head 750	e'	42.6300	Relative Permittivity (ε _r):	42.63	41.96	1.59	5
		e"	20.9500	Conductivity (σ):	0.87	0.89	-2.17	5
	Head 660	e'	42.9500	Relative Permittivity (ε _r):	42.95	42.42	1.24	5
		e"	23.0100	Conductivity (σ):	0.84	0.89	-4.71	5
	Head 800	e'	42.4900	Relative Permittivity (ε _r):	42.49	41.71	1.88	5
		e"	20.3200	Conductivity (σ):	0.90	0.90	0.78	5
2026-03-09	Head 835	e'	42.3900	Relative Permittivity (ε _r):	42.39	41.50	2.14	5
		e"	19.9100	Conductivity (σ):	0.92	0.90	2.71	5
	Head 810	e'	42.4600	Relative Permittivity (ε _r):	42.46	41.65	1.94	5
		e"	20.1900	Conductivity (σ):	0.91	0.90	1.30	5
	Head 850	e'	42.3700	Relative Permittivity (ε _r):	42.37	41.50	2.10	5
		e"	19.7500	Conductivity (σ):	0.93	0.92	2.02	5
2026-03-13	Head 750	e'	41.6100	Relative Permittivity (ε _r):	41.61	41.96	-0.84	5
		e"	21.1500	Conductivity (σ):	0.88	0.89	-1.24	5
	Head 660	e'	42.0600	Relative Permittivity (ε _r):	42.06	42.42	-0.86	5
		e"	23.1500	Conductivity (σ):	0.85	0.89	-4.13	5
	Head 800	e'	41.3700	Relative Permittivity (ε _r):	41.37	41.71	-0.80	5
		e"	20.4400	Conductivity (σ):	0.91	0.90	1.37	5
2026-03-13	Head 835	e'	41.1700	Relative Permittivity (ε _r):	41.17	41.50	-0.80	5
		e"	19.5400	Conductivity (σ):	0.91	0.90	0.80	5
	Head 810	e'	41.3100	Relative Permittivity (ε _r):	41.31	41.65	-0.83	5
		e"	19.8300	Conductivity (σ):	0.89	0.90	-0.51	5
	Head 850	e'	41.1000	Relative Permittivity (ε _r):	41.10	41.50	-0.96	5
		e"	19.3800	Conductivity (σ):	0.92	0.92	0.10	5
2026-03-17	Head 750	e'	42.0100	Relative Permittivity (ε _r):	42.01	41.96	0.12	5
		e"	21.4600	Conductivity (σ):	0.89	0.89	0.21	5
	Head 660	e'	42.3500	Relative Permittivity (ε _r):	42.35	42.42	-0.17	5
		e"	23.2200	Conductivity (σ):	0.85	0.89	-3.84	5
	Head 800	e'	41.7900	Relative Permittivity (ε _r):	41.79	41.71	0.20	5
		e"	20.7700	Conductivity (σ):	0.92	0.90	3.01	5
2026-03-17	Head 835	e'	41.6700	Relative Permittivity (ε _r):	41.67	41.50	0.41	5
		e"	20.2500	Conductivity (σ):	0.94	0.90	4.46	5
	Head 810	e'	41.7500	Relative Permittivity (ε _r):	41.75	41.65	0.23	5
		e"	20.5800	Conductivity (σ):	0.93	0.90	3.25	5
	Head 850	e'	41.6200	Relative Permittivity (ε _r):	41.62	41.50	0.29	5
		e"	20.1700	Conductivity (σ):	0.95	0.92	4.18	5
2026-04-02	Head 750	e'	42.6100	Relative Permittivity (ε _r):	42.61	41.96	1.55	5
		e"	21.6500	Conductivity (σ):	0.90	0.89	1.09	5
	Head 660	e'	42.8800	Relative Permittivity (ε _r):	42.88	42.42	1.08	5
		e"	23.3000	Conductivity (σ):	0.86	0.89	-3.51	5
	Head 800	e'	42.4600	Relative Permittivity (ε _r):	42.46	41.71	1.81	5
		e"	20.9000	Conductivity (σ):	0.93	0.90	3.65	5
2026-04-02	Head 835	e'	42.3600	Relative Permittivity (ε _r):	42.36	41.50	2.07	5
		e"	20.3000	Conductivity (σ):	0.94	0.90	4.72	5
	Head 810	e'	42.4300	Relative Permittivity (ε _r):	42.43	41.65	1.86	5
		e"	20.7600	Conductivity (σ):	0.93	0.90	4.16	5
	Head 850	e'	42.3200	Relative Permittivity (ε _r):	42.32	41.50	1.98	5
		e"	20.2300	Conductivity (σ):	0.96	0.92	4.49	5

SAR 7 Room (Continued)

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-04-06	Head 750	e'	42.3500	Relative Permittivity (ε _r):	42.35	41.96	0.93	5
		e"	21.1900	Conductivity (σ):	0.88	0.89	-1.05	5
	Head 660	e'	42.6400	Relative Permittivity (ε _r):	42.64	42.42	0.51	5
		e"	23.0200	Conductivity (σ):	0.84	0.89	-4.67	5
	Head 800	e'	42.2200	Relative Permittivity (ε _r):	42.22	41.71	1.23	5
		e"	20.4200	Conductivity (σ):	0.91	0.90	1.27	5
2026-04-06	Head 835	e'	42.1100	Relative Permittivity (ε _r):	42.11	41.50	1.47	5
		e"	19.9700	Conductivity (σ):	0.93	0.90	3.02	5
	Head 810	e'	42.1800	Relative Permittivity (ε _r):	42.18	41.65	1.26	5
		e"	20.2900	Conductivity (σ):	0.91	0.90	1.80	5
	Head 850	e'	42.0800	Relative Permittivity (ε _r):	42.08	41.50	1.40	5
		e"	19.7800	Conductivity (σ):	0.93	0.92	2.17	5
2026-04-07	Head 13	e'	54.75	Relative Permittivity (ε _r):	54.75	55.00	-0.45	5
		e"	1016.00	Conductivity (σ):	0.73	0.75	-2.08	5
	Head 12	e'	54.64	Relative Permittivity (ε _r):	54.64	55.00	-0.65	5
		e"	1101.00	Conductivity (σ):	0.73	0.75	-2.05	5
	Head 14	e'	54.72	Relative Permittivity (ε _r):	54.72	55.00	-0.51	5
		e"	943.60	Conductivity (σ):	0.73	0.75	-2.06	5
2026-04-10	Head 750	e'	42.0300	Relative Permittivity (ε _r):	42.03	41.96	0.16	5
		e"	20.8200	Conductivity (σ):	0.87	0.89	-2.78	5
	Head 660	e'	42.3200	Relative Permittivity (ε _r):	42.32	42.42	-0.24	5
		e"	23.0600	Conductivity (σ):	0.85	0.89	-4.50	5
	Head 800	e'	41.8900	Relative Permittivity (ε _r):	41.89	41.71	0.44	5
		e"	20.1000	Conductivity (σ):	0.89	0.90	-0.31	5
2026-04-10	Head 835	e'	41.8000	Relative Permittivity (ε _r):	41.80	41.50	0.72	5
		e"	19.6500	Conductivity (σ):	0.91	0.90	1.37	5
	Head 810	e'	41.8600	Relative Permittivity (ε _r):	41.86	41.65	0.49	5
		e"	19.9600	Conductivity (σ):	0.90	0.90	0.14	5
	Head 850	e'	41.7500	Relative Permittivity (ε _r):	41.75	41.50	0.60	5
		e"	19.4700	Conductivity (σ):	0.92	0.92	0.57	5
2026-04-14	Head 750	e'	41.2400	Relative Permittivity (ε _r):	41.24	41.96	-1.72	5
		e"	21.4300	Conductivity (σ):	0.89	0.89	0.07	5
	Head 660	e'	41.5300	Relative Permittivity (ε _r):	41.53	42.42	-2.11	5
		e"	23.1000	Conductivity (σ):	0.85	0.89	-4.34	5
	Head 800	e'	41.1200	Relative Permittivity (ε _r):	41.12	41.71	-1.40	5
		e"	20.4500	Conductivity (σ):	0.91	0.90	1.42	5
2026-04-14	Head 835	e'	41.0500	Relative Permittivity (ε _r):	41.05	41.50	-1.08	5
		e"	20.2000	Conductivity (σ):	0.94	0.90	4.21	5
	Head 810	e'	41.1000	Relative Permittivity (ε _r):	41.10	41.65	-1.33	5
		e"	20.5200	Conductivity (σ):	0.92	0.90	2.95	5
	Head 850	e'	41.0100	Relative Permittivity (ε _r):	41.01	41.50	-1.18	5
		e"	20.0300	Conductivity (σ):	0.95	0.92	3.46	5
2026-04-18	Head 750	e'	41.3700	Relative Permittivity (ε _r):	41.37	41.96	-1.41	5
		e"	20.9700	Conductivity (σ):	0.87	0.89	-2.08	5
	Head 660	e'	41.7000	Relative Permittivity (ε _r):	41.70	42.42	-1.70	5
		e"	23.1900	Conductivity (σ):	0.85	0.89	-3.96	5
	Head 800	e'	41.2900	Relative Permittivity (ε _r):	41.29	41.71	-1.00	5
		e"	20.0600	Conductivity (σ):	0.89	0.90	-0.51	5
2026-04-18	Head 835	e'	41.2000	Relative Permittivity (ε _r):	41.20	41.50	-0.72	5
		e"	19.3700	Conductivity (σ):	0.90	0.90	-0.08	5
	Head 810	e'	41.2800	Relative Permittivity (ε _r):	41.28	41.65	-0.90	5
		e"	19.8600	Conductivity (σ):	0.89	0.90	-0.36	5
	Head 850	e'	41.1600	Relative Permittivity (ε _r):	41.16	41.50	-0.82	5
		e"	19.1300	Conductivity (σ):	0.90	0.92	-1.19	5

SAR 8 Room

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-03-03	Head 1900	e'	40.2300	Relative Permittivity (ϵ_r):	40.23	40.00	0.57	5
		e"	13.4900	Conductivity (σ):	1.43	1.40	1.80	5
	Head 1850	e'	40.2600	Relative Permittivity (ϵ_r):	40.26	40.00	0.65	5
		e"	13.5900	Conductivity (σ):	1.40	1.40	-0.15	5
	Head 1915	e'	40.2200	Relative Permittivity (ϵ_r):	40.22	40.00	0.55	5
		e"	13.4800	Conductivity (σ):	1.44	1.40	2.53	5
2026-03-09	Head 1750	e'	41.0800	Relative Permittivity (ϵ_r):	41.08	40.08	2.48	5
		e"	13.6500	Conductivity (σ):	1.33	1.37	-2.98	5
	Head 1710	e'	41.1600	Relative Permittivity (ϵ_r):	41.16	40.15	2.53	5
		e"	13.7800	Conductivity (σ):	1.31	1.35	-2.69	5
	Head 1780	e'	40.9600	Relative Permittivity (ϵ_r):	40.96	40.04	2.30	5
		e"	13.5700	Conductivity (σ):	1.34	1.39	-3.09	5
2026-03-09	Head 1900	e'	40.7000	Relative Permittivity (ϵ_r):	40.70	40.00	1.75	5
		e"	13.2300	Conductivity (σ):	1.40	1.40	-0.16	5
	Head 1850	e'	40.4700	Relative Permittivity (ϵ_r):	40.47	40.00	1.18	5
		e"	13.3500	Conductivity (σ):	1.37	1.40	-1.91	5
	Head 1915	e'	40.7000	Relative Permittivity (ϵ_r):	40.70	40.00	1.75	5
		e"	13.1700	Conductivity (σ):	1.40	1.40	0.17	5
2026-03-17	Head 1750	e'	39.6700	Relative Permittivity (ϵ_r):	39.67	40.08	-1.03	5
		e"	13.9200	Conductivity (σ):	1.35	1.37	-1.06	5
	Head 1710	e'	39.6700	Relative Permittivity (ϵ_r):	39.67	40.15	-1.19	5
		e"	13.9200	Conductivity (σ):	1.32	1.35	-1.70	5
	Head 1780	e'	39.5300	Relative Permittivity (ϵ_r):	39.53	40.04	-1.27	5
		e"	13.7600	Conductivity (σ):	1.36	1.39	-1.73	5
2026-03-17	Head 1900	e'	39.3700	Relative Permittivity (ϵ_r):	39.37	40.00	-1.58	5
		e"	13.6300	Conductivity (σ):	1.44	1.40	2.85	5
	Head 1850	e'	39.4400	Relative Permittivity (ϵ_r):	39.44	40.00	-1.40	5
		e"	13.6600	Conductivity (σ):	1.41	1.40	0.37	5
	Head 1915	e'	39.3400	Relative Permittivity (ϵ_r):	39.34	40.00	-1.65	5
		e"	13.6100	Conductivity (σ):	1.45	1.40	3.51	5
2026-03-17	Head 2450	e'	38.0700	Relative Permittivity (ϵ_r):	38.07	39.20	-2.88	5
		e"	13.1500	Conductivity (σ):	1.79	1.80	-0.48	5
	Head 2400	e'	38.1500	Relative Permittivity (ϵ_r):	38.15	39.30	-2.92	5
		e"	13.0800	Conductivity (σ):	1.75	1.75	-0.35	5
	Head 2500	e'	37.9900	Relative Permittivity (ϵ_r):	37.99	39.14	-2.93	5
		e"	13.2400	Conductivity (σ):	1.84	1.85	-0.73	5
2026-03-23	Head 2450	e'	38.5500	Relative Permittivity (ϵ_r):	38.55	39.20	-1.66	5
		e"	13.0600	Conductivity (σ):	1.78	1.80	-1.16	5
	Head 2400	e'	38.6300	Relative Permittivity (ϵ_r):	38.63	39.30	-1.70	5
		e"	13.0200	Conductivity (σ):	1.74	1.75	-0.81	5
	Head 2500	e'	38.4800	Relative Permittivity (ϵ_r):	38.48	39.14	-1.68	5
		e"	13.1400	Conductivity (σ):	1.83	1.85	-1.48	5

SAR 8 Room (Continued)

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-03-27	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 1710	e'	38.4200	Relative Permittivity (ϵ_r):	38.42	40.15	-4.30	5
		e"	13.6500	Conductivity (σ):	1.30	1.35	-3.61	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
2026-03-27	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
2026-03-31	Head 1600	e'	39.2300	Relative Permittivity (ϵ_r):	39.23	40.32	-2.70	5
		e"	14.2300	Conductivity (σ):	1.27	1.28	-1.24	5
	Head 1640	e'	39.1000	Relative Permittivity (ϵ_r):	39.10	40.25	-2.87	5
		e"	13.9800	Conductivity (σ):	1.27	1.31	-2.46	5
	Head 1700	e'	38.9900	Relative Permittivity (ϵ_r):	38.99	40.16	-2.92	5
		e"	13.8200	Conductivity (σ):	1.31	1.34	-2.57	5
2026-03-31	Head 1900	e'	38.6400	Relative Permittivity (ϵ_r):	38.64	40.00	-3.40	5
		e"	13.4000	Conductivity (σ):	1.42	1.40	1.12	5
	Head 1850	e'	38.6300	Relative Permittivity (ϵ_r):	38.63	40.00	-3.42	5
		e"	13.5400	Conductivity (σ):	1.39	1.40	-0.51	5
	Head 1915	e'	38.6500	Relative Permittivity (ϵ_r):	38.65	40.00	-3.38	5
		e"	13.4000	Conductivity (σ):	1.43	1.40	1.92	5
2026-03-31	Head 2450	e'	37.6500	Relative Permittivity (ϵ_r):	37.65	39.20	-3.95	5
		e"	13.3200	Conductivity (σ):	1.81	1.80	0.81	5
	Head 2400	e'	37.6900	Relative Permittivity (ϵ_r):	37.69	39.30	-4.09	5
		e"	13.3600	Conductivity (σ):	1.78	1.75	1.78	5
	Head 2500	e'	37.6200	Relative Permittivity (ϵ_r):	37.62	39.14	-3.88	5
		e"	13.3500	Conductivity (σ):	1.86	1.85	0.09	5
2026-04-05	Head 5200	e'	35.3200	Relative Permittivity (ϵ_r):	35.32	35.99	-1.86	5
		e"	15.7700	Conductivity (σ):	4.56	4.65	-1.96	5
	Head 5250	e'	35.1500	Relative Permittivity (ϵ_r):	35.15	35.93	-2.18	5
		e"	15.9500	Conductivity (σ):	4.66	4.70	-0.98	5
	Head 5600	e'	34.7600	Relative Permittivity (ϵ_r):	34.76	35.53	-2.18	5
		e"	16.0000	Conductivity (σ):	4.98	5.06	-1.55	5
	Head 5750	e'	34.5400	Relative Permittivity (ϵ_r):	34.54	35.36	-2.33	5
		e"	16.3100	Conductivity (σ):	5.21	5.21	0.02	5
	Head 5800	e'	34.4600	Relative Permittivity (ϵ_r):	34.46	35.30	-2.38	5
		e"	16.1400	Conductivity (σ):	5.21	5.27	-1.23	5
	Head 5925	e'	34.1000	Relative Permittivity (ϵ_r):	34.10	35.20	-3.13	5
		e"	15.8700	Conductivity (σ):	5.23	5.40	-3.18	5
2026-04-06	Head 2450	e'	39.6700	Relative Permittivity (ϵ_r):	39.67	39.20	1.20	5
		e"	12.8800	Conductivity (σ):	1.75	1.80	-2.52	5
	Head 2400	e'	39.8100	Relative Permittivity (ϵ_r):	39.81	39.30	1.31	5
		e"	12.9200	Conductivity (σ):	1.72	1.75	-1.57	5
	Head 2500	e'	39.5500	Relative Permittivity (ϵ_r):	39.55	39.14	1.06	5
		e"	12.8300	Conductivity (σ):	1.78	1.85	-3.81	5
2026-04-07	Head 6000	e'	34.3500	Relative Permittivity (ϵ_r):	34.35	35.10	-2.14	5
		e"	16.4000	Conductivity (σ):	5.47	5.48	-0.16	5
	Head 6200	e'	34.3000	Relative Permittivity (ϵ_r):	34.30	34.86	-1.61	5
		e"	16.6300	Conductivity (σ):	5.73	5.72	0.30	5
	Head 6500	e'	33.8000	Relative Permittivity (ϵ_r):	33.80	34.50	-2.03	5
		e"	17.1700	Conductivity (σ):	6.21	6.07	2.23	5
	Head 6600	e'	33.4500	Relative Permittivity (ϵ_r):	33.45	34.38	-2.71	5
		e"	17.1300	Conductivity (σ):	6.29	6.19	1.62	5
	Head 6800	e'	33.1200	Relative Permittivity (ϵ_r):	33.12	34.14	-2.99	5
		e"	17.4400	Conductivity (σ):	6.59	6.42	2.74	5
	Head 7000	e'	32.7200	Relative Permittivity (ϵ_r):	32.72	33.90	-3.48	5
		e"	17.3200	Conductivity (σ):	6.74	6.65	1.37	5

SAR 8 Room (Continued)

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-04-08	Head 6000	e'	35.2700	Relative Permittivity (ϵ_r):	35.27	35.10	0.48	5
		e"	16.2600	Conductivity (σ):	5.42	5.48	-1.01	5
	Head 6200	e'	35.2600	Relative Permittivity (ϵ_r):	35.26	34.86	1.15	5
		e"	16.2800	Conductivity (σ):	5.61	5.72	-1.81	5
	Head 6500	e'	34.7400	Relative Permittivity (ϵ_r):	34.74	34.50	0.70	5
		e"	16.7200	Conductivity (σ):	6.04	6.07	-0.45	5
	Head 6600	e'	34.3400	Relative Permittivity (ϵ_r):	34.34	34.38	-0.12	5
		e"	16.7600	Conductivity (σ):	6.15	6.19	-0.57	5
	Head 6800	e'	34.0400	Relative Permittivity (ϵ_r):	34.04	34.14	-0.29	5
		e"	17.1500	Conductivity (σ):	6.48	6.42	1.04	5
Head 7000	e'	33.7600	Relative Permittivity (ϵ_r):	33.76	33.90	-0.41	5	
	e"	17.0700	Conductivity (σ):	6.64	6.65	-0.09	5	
2026-04-09	Head 6000	e'	35.4800	Relative Permittivity (ϵ_r):	35.48	35.10	1.08	5
		e"	15.9300	Conductivity (σ):	5.31	5.48	-3.02	5
	Head 6200	e'	35.3000	Relative Permittivity (ϵ_r):	35.30	34.86	1.26	5
		e"	16.0900	Conductivity (σ):	5.55	5.72	-2.96	5
	Head 6500	e'	34.8500	Relative Permittivity (ϵ_r):	34.85	34.50	1.01	5
		e"	16.5500	Conductivity (σ):	5.98	6.07	-1.46	5
	Head 6600	e'	34.3800	Relative Permittivity (ϵ_r):	34.38	34.38	0.00	5
		e"	16.4600	Conductivity (σ):	6.04	6.19	-2.35	5
	Head 6800	e'	34.0600	Relative Permittivity (ϵ_r):	34.06	34.14	-0.23	5
		e"	16.9100	Conductivity (σ):	6.39	6.42	-0.38	5
Head 7000	e'	33.7900	Relative Permittivity (ϵ_r):	33.79	33.90	-0.32	5	
	e"	16.8500	Conductivity (σ):	6.56	6.65	-1.38	5	
2026-04-10	Head 6000	e'	34.1600	Relative Permittivity (ϵ_r):	34.16	35.10	-2.68	5
		e"	15.9800	Conductivity (σ):	5.33	5.48	-2.71	5
	Head 6200	e'	34.1200	Relative Permittivity (ϵ_r):	34.12	34.86	-2.12	5
		e"	16.1800	Conductivity (σ):	5.58	5.72	-2.42	5
	Head 6500	e'	33.5700	Relative Permittivity (ϵ_r):	33.57	34.50	-2.70	5
		e"	16.7400	Conductivity (σ):	6.05	6.07	-0.33	5
	Head 6600	e'	33.2100	Relative Permittivity (ϵ_r):	33.21	34.38	-3.40	5
		e"	16.6700	Conductivity (σ):	6.12	6.19	-1.11	5
	Head 6800	e'	32.8400	Relative Permittivity (ϵ_r):	32.84	34.14	-3.81	5
		e"	16.8600	Conductivity (σ):	6.37	6.42	-0.67	5
Head 7000	e'	32.8800	Relative Permittivity (ϵ_r):	32.88	33.90	-3.01	5	
	e"	16.9000	Conductivity (σ):	6.58	6.65	-1.08	5	
2026-04-11	Head 6000	e'	34.2800	Relative Permittivity (ϵ_r):	34.28	35.10	-2.34	5
		e"	15.9100	Conductivity (σ):	5.31	5.48	-3.14	5
	Head 6200	e'	34.2500	Relative Permittivity (ϵ_r):	34.25	34.86	-1.75	5
		e"	16.1200	Conductivity (σ):	5.56	5.72	-2.78	5
	Head 6500	e'	33.6900	Relative Permittivity (ϵ_r):	33.69	34.50	-2.35	5
		e"	16.6700	Conductivity (σ):	6.02	6.07	-0.74	5
	Head 6600	e'	33.3400	Relative Permittivity (ϵ_r):	33.34	34.38	-3.03	5
		e"	16.6100	Conductivity (σ):	6.10	6.19	-1.46	5
	Head 6800	e'	32.9600	Relative Permittivity (ϵ_r):	32.96	34.14	-3.46	5
		e"	16.8000	Conductivity (σ):	6.35	6.42	-1.03	5
Head 7000	e'	33.0000	Relative Permittivity (ϵ_r):	33.00	33.90	-2.65	5	
	e"	16.8300	Conductivity (σ):	6.55	6.65	-1.49	5	

SAR 8 Room (Continued)

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-04-12	Head 6000	e'	35.0400	Relative Permittivity (ϵ_r):	35.04	35.10	-0.17	5
		e"	15.9100	Conductivity (σ):	5.31	5.48	-3.14	5
	Head 6200	e'	34.9500	Relative Permittivity (ϵ_r):	34.95	34.86	0.26	5
		e"	16.3300	Conductivity (σ):	5.63	5.72	-1.51	5
	Head 6500	e'	34.5300	Relative Permittivity (ϵ_r):	34.53	34.50	0.09	5
		e"	16.9100	Conductivity (σ):	6.11	6.07	0.69	5
	Head 6600	e'	34.1800	Relative Permittivity (ϵ_r):	34.18	34.38	-0.58	5
		e"	16.7900	Conductivity (σ):	6.16	6.19	-0.39	5
	Head 6800	e'	33.8500	Relative Permittivity (ϵ_r):	33.85	34.14	-0.85	5
		e"	17.1700	Conductivity (σ):	6.49	6.42	1.15	5
Head 7000	e'	33.3900	Relative Permittivity (ϵ_r):	33.39	33.90	-1.50	5	
	e"	16.8900	Conductivity (σ):	6.57	6.65	-1.14	5	
2026-04-13	Head 6000	e'	34.3200	Relative Permittivity (ϵ_r):	34.32	35.10	-2.22	5
		e"	16.1000	Conductivity (σ):	5.37	5.48	-1.98	5
	Head 6200	e'	34.2700	Relative Permittivity (ϵ_r):	34.27	34.86	-1.69	5
		e"	16.2800	Conductivity (σ):	5.61	5.72	-1.81	5
	Head 6500	e'	33.7700	Relative Permittivity (ϵ_r):	33.77	34.50	-2.12	5
		e"	16.8700	Conductivity (σ):	6.10	6.07	0.45	5
	Head 6600	e'	33.3700	Relative Permittivity (ϵ_r):	33.37	34.38	-2.94	5
		e"	16.8100	Conductivity (σ):	6.17	6.19	-0.28	5
	Head 6800	e'	33.0200	Relative Permittivity (ϵ_r):	33.02	34.14	-3.28	5
		e"	17.0600	Conductivity (σ):	6.45	6.42	0.50	5
Head 7000	e'	32.5600	Relative Permittivity (ϵ_r):	32.56	33.90	-3.95	5	
	e"	16.6700	Conductivity (σ):	6.49	6.65	-2.43	5	
2026-04-14	Head 6000	e'	35.3200	Relative Permittivity (ϵ_r):	35.32	35.10	0.63	5
		e"	16.4900	Conductivity (σ):	5.50	5.48	0.39	5
	Head 6200	e'	35.0700	Relative Permittivity (ϵ_r):	35.07	34.86	0.60	5
		e"	16.7000	Conductivity (σ):	5.76	5.72	0.72	5
	Head 6500	e'	34.5200	Relative Permittivity (ϵ_r):	34.52	34.50	0.06	5
		e"	17.0100	Conductivity (σ):	6.15	6.07	1.28	5
	Head 6600	e'	34.3000	Relative Permittivity (ϵ_r):	34.30	34.38	-0.23	5
		e"	17.0800	Conductivity (σ):	6.27	6.19	1.33	5
	Head 6800	e'	33.9800	Relative Permittivity (ϵ_r):	33.98	34.14	-0.47	5
		e"	17.1600	Conductivity (σ):	6.49	6.42	1.09	5
Head 7000	e'	33.7400	Relative Permittivity (ϵ_r):	33.74	33.90	-0.47	5	
	e"	17.2700	Conductivity (σ):	6.72	6.65	1.08	5	
2026-04-15	Head 6000	e'	34.3500	Relative Permittivity (ϵ_r):	34.35	35.10	-2.14	5
		e"	16.4000	Conductivity (σ):	5.47	5.48	-0.16	5
	Head 6200	e'	34.2900	Relative Permittivity (ϵ_r):	34.29	34.86	-1.64	5
		e"	16.6300	Conductivity (σ):	5.73	5.72	0.30	5
	Head 6500	e'	33.8000	Relative Permittivity (ϵ_r):	33.80	34.50	-2.03	5
		e"	17.1600	Conductivity (σ):	6.20	6.07	2.17	5
	Head 6600	e'	33.4500	Relative Permittivity (ϵ_r):	33.45	34.38	-2.71	5
		e"	17.1300	Conductivity (σ):	6.29	6.19	1.62	5
	Head 6800	e'	33.1100	Relative Permittivity (ϵ_r):	33.11	34.14	-3.02	5
		e"	17.4400	Conductivity (σ):	6.59	6.42	2.74	5
Head 7000	e'	32.7100	Relative Permittivity (ϵ_r):	32.71	33.90	-3.51	5	
	e"	17.3200	Conductivity (σ):	6.74	6.65	1.37	5	

SAR 8 Room (Continued)

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-04-16	Head 6000	e'	34.7100	Relative Permittivity (ϵ_r):	34.71	35.10	-1.11	5
		e"	15.7700	Conductivity (σ):	5.26	5.48	-3.99	5
	Head 6200	e'	34.6800	Relative Permittivity (ϵ_r):	34.68	34.86	-0.52	5
		e"	15.9700	Conductivity (σ):	5.51	5.72	-3.68	5
	Head 6500	e'	34.1600	Relative Permittivity (ϵ_r):	34.16	34.50	-0.99	5
		e"	16.5400	Conductivity (σ):	5.98	6.07	-1.52	5
	Head 6600	e'	33.8200	Relative Permittivity (ϵ_r):	33.82	34.38	-1.63	5
		e"	16.4900	Conductivity (σ):	6.05	6.19	-2.17	5
	Head 6800	e'	33.5200	Relative Permittivity (ϵ_r):	33.52	34.14	-1.82	5
		e"	16.6800	Conductivity (σ):	6.31	6.42	-1.73	5
Head 7000	e'	33.1200	Relative Permittivity (ϵ_r):	33.12	33.90	-2.30	5	
	e"	16.6600	Conductivity (σ):	6.48	6.65	-2.49	5	
2026-04-17	Head 6000	e'	34.7300	Relative Permittivity (ϵ_r):	34.73	35.10	-1.05	5
		e"	16.2900	Conductivity (σ):	5.43	5.48	-0.83	5
	Head 6200	e'	34.7000	Relative Permittivity (ϵ_r):	34.70	34.86	-0.46	5
		e"	16.5400	Conductivity (σ):	5.70	5.72	-0.25	5
	Head 6500	e'	34.1900	Relative Permittivity (ϵ_r):	34.19	34.50	-0.90	5
		e"	16.9600	Conductivity (σ):	6.13	6.07	0.98	5
	Head 6600	e'	33.8400	Relative Permittivity (ϵ_r):	33.84	34.38	-1.57	5
		e"	16.9600	Conductivity (σ):	6.22	6.19	0.61	5
	Head 6800	e'	33.5800	Relative Permittivity (ϵ_r):	33.58	34.14	-1.64	5
		e"	17.3200	Conductivity (σ):	6.55	6.42	2.04	5
Head 7000	e'	33.1900	Relative Permittivity (ϵ_r):	33.19	33.90	-2.09	5	
	e"	16.3700	Conductivity (σ):	6.37	6.65	-4.19	5	

SAR 9 Room

Date	Freq. (MHz)	Liquid Parameters			Measured	Target	Delta (%)	Limit ±(%)
2026-03-03	Head 1750	e'	40.6000	Relative Permittivity (ε _r):	40.60	40.08	1.29	5
		e"	14.0100	Conductivity (σ):	1.36	1.37	-0.42	5
	Head 1710	e'	40.6900	Relative Permittivity (ε _r):	40.69	40.15	1.35	5
		e"	14.1200	Conductivity (σ):	1.34	1.35	-0.29	5
	Head 1780	e'	40.5400	Relative Permittivity (ε _r):	40.54	40.04	1.25	5
		e"	13.9100	Conductivity (σ):	1.38	1.39	-0.66	5
2026-03-03	Head 1900	e'	40.5000	Relative Permittivity (ε _r):	40.50	40.00	1.25	5
		e"	13.5800	Conductivity (σ):	1.43	1.40	2.48	5
	Head 1850	e'	40.4700	Relative Permittivity (ε _r):	40.47	40.00	1.18	5
		e"	13.6600	Conductivity (σ):	1.41	1.40	0.37	5
	Head 1915	e'	40.4900	Relative Permittivity (ε _r):	40.49	40.00	1.23	5
		e"	13.5700	Conductivity (σ):	1.44	1.40	3.21	5
2026-03-09	Head 1750	e'	40.7900	Relative Permittivity (ε _r):	40.79	40.08	1.76	5
		e"	13.8500	Conductivity (σ):	1.35	1.37	-1.56	5
	Head 1710	e'	40.8900	Relative Permittivity (ε _r):	40.89	40.15	1.85	5
		e"	13.9300	Conductivity (σ):	1.32	1.35	-1.63	5
	Head 1780	e'	40.7000	Relative Permittivity (ε _r):	40.70	40.04	1.65	5
		e"	13.8000	Conductivity (σ):	1.37	1.39	-1.45	5
2026-03-12	Head 2450	e'	38.8300	Relative Permittivity (ε _r):	38.83	39.20	-0.94	5
		e"	13.3100	Conductivity (σ):	1.81	1.80	0.73	5
	Head 2400	e'	39.9300	Relative Permittivity (ε _r):	39.93	39.30	1.61	5
		e"	13.2800	Conductivity (σ):	1.77	1.75	1.17	5
	Head 2500	e'	38.7600	Relative Permittivity (ε _r):	38.76	39.14	-0.96	5
		e"	13.3600	Conductivity (σ):	1.86	1.85	0.17	5
2026-03-12	Head 5200	e'	36.9600	Relative Permittivity (ε _r):	36.96	35.99	2.69	5
		e"	15.6800	Conductivity (σ):	4.53	4.65	-2.52	5
	Head 5250	e'	36.8700	Relative Permittivity (ε _r):	36.87	35.93	2.61	5
		e"	15.8100	Conductivity (σ):	4.62	4.70	-1.85	5
	Head 5660	e'	36.0800	Relative Permittivity (ε _r):	36.08	35.47	1.73	5
		e"	16.2600	Conductivity (σ):	5.12	5.12	-0.09	5
	Head 5750	e'	36.0400	Relative Permittivity (ε _r):	36.04	35.36	1.92	5
		e"	16.3800	Conductivity (σ):	5.24	5.21	0.45	5
	Head 5800	e'	36.0700	Relative Permittivity (ε _r):	36.07	35.30	2.18	5
		e"	16.2900	Conductivity (σ):	5.25	5.27	-0.31	5
	Head 5925	e'	35.6200	Relative Permittivity (ε _r):	35.62	35.20	1.19	5
		e"	16.0900	Conductivity (σ):	5.30	5.40	-1.84	5
2026-03-16	Head 6000	e'	34.8500	Relative Permittivity (ε _r):	34.85	35.10	-0.71	5
		e"	16.2300	Conductivity (σ):	5.41	5.48	-1.19	5
	Head 6200	e'	34.8600	Relative Permittivity (ε _r):	34.86	34.86	0.00	5
		e"	16.6200	Conductivity (σ):	5.73	5.72	0.24	5
	Head 6500	e'	34.2500	Relative Permittivity (ε _r):	34.25	34.50	-0.72	5
		e"	17.0400	Conductivity (σ):	6.16	6.07	1.46	5
	Head 6600	e'	34.0300	Relative Permittivity (ε _r):	34.03	34.38	-1.02	5
		e"	16.9400	Conductivity (σ):	6.22	6.19	0.50	5
	Head 6800	e'	33.6500	Relative Permittivity (ε _r):	33.65	34.14	-1.44	5
		e"	17.4200	Conductivity (σ):	6.59	6.42	2.63	5
	Head 7000	e'	33.3900	Relative Permittivity (ε _r):	33.39	33.90	-1.50	5
		e"	17.6100	Conductivity (σ):	6.85	6.65	3.07	5
2026-03-17	Head 6000	e'	34.1300	Relative Permittivity (ε _r):	34.13	35.10	-2.76	5
		e"	16.5300	Conductivity (σ):	5.51	5.48	0.63	5
	Head 6200	e'	33.9200	Relative Permittivity (ε _r):	33.92	34.86	-2.70	5
		e"	16.5900	Conductivity (σ):	5.72	5.72	0.06	5
	Head 6500	e'	33.3100	Relative Permittivity (ε _r):	33.31	34.50	-3.45	5
		e"	17.1400	Conductivity (σ):	6.19	6.07	2.06	5
	Head 6600	e'	32.7800	Relative Permittivity (ε _r):	32.78	34.38	-4.65	5
		e"	17.1400	Conductivity (σ):	6.29	6.19	1.68	5
	Head 6800	e'	32.4700	Relative Permittivity (ε _r):	32.47	34.14	-4.89	5
		e"	17.4100	Conductivity (σ):	6.58	6.42	2.57	5
	Head 7000	e'	32.2700	Relative Permittivity (ε _r):	32.27	33.90	-4.81	5
		e"	17.4900	Conductivity (σ):	6.81	6.65	2.37	5

SAR 9 Room (Continued)

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-03-18	Head 5200	e'	35.6300	Relative Permittivity (ϵ_r):	35.63	35.99	-1.00	5
		e"	15.9400	Conductivity (σ):	4.61	4.65	-0.91	5
	Head 5250	e'	35.4600	Relative Permittivity (ϵ_r):	35.46	35.93	-1.32	5
		e"	16.0700	Conductivity (σ):	4.69	4.70	-0.23	5
	Head 5600	e'	35.0100	Relative Permittivity (ϵ_r):	35.01	35.53	-1.47	5
		e"	16.2500	Conductivity (σ):	5.06	5.06	-0.01	5
	Head 5750	e'	34.6900	Relative Permittivity (ϵ_r):	34.69	35.36	-1.90	5
		e"	16.7300	Conductivity (σ):	5.35	5.21	2.59	5
	Head 5800	e'	34.7700	Relative Permittivity (ϵ_r):	34.77	35.30	-1.50	5
		e"	16.5200	Conductivity (σ):	5.33	5.27	1.09	5
	Head 5925	e'	34.3200	Relative Permittivity (ϵ_r):	34.32	35.20	-2.50	5
		e"	16.3300	Conductivity (σ):	5.38	5.40	-0.37	5
2026-03-19	Head 6000	e'	35.1900	Relative Permittivity (ϵ_r):	35.19	35.10	0.26	5
		e"	15.9800	Conductivity (σ):	5.33	5.48	-2.71	5
	Head 6200	e'	35.2000	Relative Permittivity (ϵ_r):	35.20	34.86	0.98	5
		e"	16.2600	Conductivity (σ):	5.61	5.72	-1.93	5
	Head 6500	e'	34.6900	Relative Permittivity (ϵ_r):	34.69	34.50	0.55	5
		e"	16.7400	Conductivity (σ):	6.05	6.07	-0.33	5
	Head 6600	e'	34.3700	Relative Permittivity (ϵ_r):	34.37	34.38	-0.03	5
		e"	16.6800	Conductivity (σ):	6.12	6.19	-1.05	5
	Head 6800	e'	34.0800	Relative Permittivity (ϵ_r):	34.08	34.14	-0.18	5
		e"	16.9900	Conductivity (σ):	6.42	6.42	0.09	5
	Head 7000	e'	33.4900	Relative Permittivity (ϵ_r):	33.49	33.90	-1.21	5
		e"	16.6600	Conductivity (σ):	6.48	6.65	-2.49	5
2026-03-20	Head 6000	e'	35.5800	Relative Permittivity (ϵ_r):	35.58	35.10	1.37	5
		e"	16.1300	Conductivity (σ):	5.38	5.48	-1.80	5
	Head 6200	e'	35.5400	Relative Permittivity (ϵ_r):	35.54	34.86	1.95	5
		e"	16.2600	Conductivity (σ):	5.61	5.72	-1.93	5
	Head 6500	e'	35.0700	Relative Permittivity (ϵ_r):	35.07	34.50	1.65	5
		e"	16.6500	Conductivity (σ):	6.02	6.07	-0.86	5
	Head 6600	e'	34.7300	Relative Permittivity (ϵ_r):	34.73	34.38	1.02	5
		e"	16.6300	Conductivity (σ):	6.10	6.19	-1.34	5
	Head 6800	e'	34.4700	Relative Permittivity (ϵ_r):	34.47	34.14	0.97	5
		e"	16.7900	Conductivity (σ):	6.35	6.42	-1.09	5
	Head 7000	e'	33.9800	Relative Permittivity (ϵ_r):	33.98	33.90	0.24	5
		e"	16.6200	Conductivity (σ):	6.47	6.65	-2.72	5
2026-03-23	Head 6000	e'	34.8100	Relative Permittivity (ϵ_r):	34.81	35.10	-0.83	5
		e"	16.3200	Conductivity (σ):	5.44	5.48	-0.64	5
	Head 6200	e'	34.7800	Relative Permittivity (ϵ_r):	34.78	34.86	-0.23	5
		e"	16.6900	Conductivity (σ):	5.75	5.72	0.66	5
	Head 6500	e'	34.2400	Relative Permittivity (ϵ_r):	34.24	34.50	-0.75	5
		e"	17.1300	Conductivity (σ):	6.19	6.07	2.00	5
	Head 6600	e'	33.9200	Relative Permittivity (ϵ_r):	33.92	34.38	-1.34	5
		e"	17.0000	Conductivity (σ):	6.24	6.19	0.85	5
	Head 6800	e'	33.6000	Relative Permittivity (ϵ_r):	33.60	34.14	-1.58	5
		e"	17.4400	Conductivity (σ):	6.59	6.42	2.74	5
	Head 7000	e'	33.1100	Relative Permittivity (ϵ_r):	33.11	33.90	-2.33	5
		e"	17.2000	Conductivity (σ):	6.69	6.65	0.67	5
2026-04-01	Head 6000	e'	34.3500	Relative Permittivity (ϵ_r):	34.35	35.10	-2.14	5
		e"	16.4000	Conductivity (σ):	5.47	5.48	-0.16	5
	Head 6200	e'	34.2900	Relative Permittivity (ϵ_r):	34.29	34.86	-1.64	5
		e"	16.6300	Conductivity (σ):	5.73	5.72	0.30	5
	Head 6500	e'	33.8000	Relative Permittivity (ϵ_r):	33.80	34.50	-2.03	5
		e"	17.1600	Conductivity (σ):	6.20	6.07	2.17	5
	Head 6600	e'	33.4500	Relative Permittivity (ϵ_r):	33.45	34.38	-2.71	5
		e"	17.1300	Conductivity (σ):	6.29	6.19	1.62	5
	Head 6800	e'	33.1100	Relative Permittivity (ϵ_r):	33.11	34.14	-3.02	5
		e"	17.4400	Conductivity (σ):	6.59	6.42	2.74	5
	Head 7000	e'	32.7100	Relative Permittivity (ϵ_r):	32.71	33.90	-3.51	5
		e"	17.3200	Conductivity (σ):	6.74	6.65	1.37	5

SAR 9 Room (Continued)

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)	
2026-04-02	Head 6000	e'	36.0500	Relative Permittivity (ϵ_r):	36.05	35.10	2.71	5	
		e"	15.8000	Conductivity (σ):	5.27	5.48	-3.81	5	
	Head 6200	e'	36.0700	Relative Permittivity (ϵ_r):	36.07	34.86	3.47	5	
		e"	15.9700	Conductivity (σ):	5.51	5.72	-3.68	5	
	Head 6500	e'	35.4600	Relative Permittivity (ϵ_r):	35.46	34.50	2.78	5	
		e"	16.3500	Conductivity (σ):	5.91	6.07	-2.65	5	
	Head 6600	e'	35.2200	Relative Permittivity (ϵ_r):	35.22	34.38	2.44	5	
		e"	16.1900	Conductivity (σ):	5.94	6.19	-3.95	5	
	Head 6800	e'	34.8000	Relative Permittivity (ϵ_r):	34.80	34.14	1.93	5	
		e"	16.4600	Conductivity (σ):	6.22	6.42	-3.03	5	
	Head 7000	e'	34.6300	Relative Permittivity (ϵ_r):	34.63	33.90	2.15	5	
		e"	16.2700	Conductivity (σ):	6.33	6.65	-4.77	5	
	2026-04-03	Head 6000	e'	34.8400	Relative Permittivity (ϵ_r):	34.84	35.10	-0.74	5
			e"	15.8500	Conductivity (σ):	5.29	5.48	-3.51	5
Head 6200		e'	34.7500	Relative Permittivity (ϵ_r):	34.75	34.86	-0.32	5	
		e"	16.0600	Conductivity (σ):	5.54	5.72	-3.14	5	
Head 6500		e'	34.4100	Relative Permittivity (ϵ_r):	34.41	34.50	-0.26	5	
		e"	16.6500	Conductivity (σ):	6.02	6.07	-0.86	5	
Head 6600		e'	34.0100	Relative Permittivity (ϵ_r):	34.01	34.38	-1.08	5	
		e"	16.5500	Conductivity (σ):	6.07	6.19	-1.82	5	
Head 6800		e'	33.7100	Relative Permittivity (ϵ_r):	33.71	34.14	-1.26	5	
		e"	16.7600	Conductivity (σ):	6.34	6.42	-1.26	5	
Head 7000		e'	33.4500	Relative Permittivity (ϵ_r):	33.45	33.90	-1.33	5	
		e"	16.6900	Conductivity (σ):	6.50	6.65	-2.31	5	
2026-04-06		Head 6000	e'	35.4500	Relative Permittivity (ϵ_r):	35.45	35.10	1.00	5
			e"	16.3600	Conductivity (σ):	5.46	5.48	-0.40	5
	Head 6200	e'	35.1500	Relative Permittivity (ϵ_r):	35.15	34.86	0.83	5	
		e"	16.5300	Conductivity (σ):	5.70	5.72	-0.31	5	
	Head 6500	e'	34.7000	Relative Permittivity (ϵ_r):	34.70	34.50	0.58	5	
		e"	17.0500	Conductivity (σ):	6.16	6.07	1.52	5	
	Head 6600	e'	34.2600	Relative Permittivity (ϵ_r):	34.26	34.38	-0.35	5	
		e"	17.0300	Conductivity (σ):	6.25	6.19	1.03	5	
	Head 6800	e'	33.9700	Relative Permittivity (ϵ_r):	33.97	34.14	-0.50	5	
		e"	17.4100	Conductivity (σ):	6.58	6.42	2.57	5	
	Head 7000	e'	33.6700	Relative Permittivity (ϵ_r):	33.67	33.90	-0.68	5	
		e"	17.0900	Conductivity (σ):	6.65	6.65	0.03	5	
	2026-04-06	Head 7000	e'	33.6700	Relative Permittivity (ϵ_r):	33.67	33.90	-0.68	5
			e"	17.0900	Conductivity (σ):	6.65	6.65	0.03	5
Head 7250		e'	33.4600	Relative Permittivity (ϵ_r):	33.46	33.60	-0.42	5	
		e"	17.3200	Conductivity (σ):	6.98	6.95	0.53	5	
Head 7500		e'	32.9200	Relative Permittivity (ϵ_r):	32.92	33.30	-1.14	5	
		e"	17.3700	Conductivity (σ):	7.24	7.24	0.05	5	
Head 7800		e'	32.2300	Relative Permittivity (ϵ_r):	32.23	32.94	-2.16	5	
		e"	17.8200	Conductivity (σ):	7.73	7.60	1.69	5	
Head 8000		e'	32.0200	Relative Permittivity (ϵ_r):	32.02	32.70	-2.08	5	
		e"	18.0400	Conductivity (σ):	8.02	7.84	2.36	5	
Head 8100	e'	31.7100	Relative Permittivity (ϵ_r):	31.71	32.58	-2.67	5		
	e"	18.0900	Conductivity (σ):	8.15	7.96	2.30	5		

SAR 9 Room (Continued)

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-04-12	Head 6000	e'	34.9400	Relative Permittivity (ϵ_r):	34.94	35.10	-0.46	5
		e"	15.9700	Conductivity (σ):	5.33	5.48	-2.78	5
	Head 6200	e'	34.7700	Relative Permittivity (ϵ_r):	34.77	34.86	-0.26	5
		e"	16.1700	Conductivity (σ):	5.57	5.72	-2.48	5
	Head 6500	e'	34.2300	Relative Permittivity (ϵ_r):	34.23	34.50	-0.78	5
		e"	16.7400	Conductivity (σ):	6.05	6.07	-0.33	5
	Head 6600	e'	33.8800	Relative Permittivity (ϵ_r):	33.88	34.38	-1.45	5
		e"	16.7200	Conductivity (σ):	6.14	6.19	-0.81	5
	Head 6800	e'	33.4800	Relative Permittivity (ϵ_r):	33.48	34.14	-1.93	5
		e"	17.0000	Conductivity (σ):	6.43	6.42	0.15	5
	Head 7000	e'	33.2600	Relative Permittivity (ϵ_r):	33.26	33.90	-1.89	5
		e"	16.9100	Conductivity (σ):	6.58	6.65	-1.03	5
2026-04-14	Head 6000	e'	34.3000	Relative Permittivity (ϵ_r):	34.30	35.10	-2.28	5
		e"	16.0700	Conductivity (σ):	5.36	5.48	-2.17	5
	Head 6200	e'	34.2500	Relative Permittivity (ϵ_r):	34.25	34.86	-1.75	5
		e"	16.2400	Conductivity (σ):	5.60	5.72	-2.05	5
	Head 6500	e'	33.7500	Relative Permittivity (ϵ_r):	33.75	34.50	-2.17	5
		e"	16.8400	Conductivity (σ):	6.09	6.07	0.27	5
	Head 6600	e'	33.3500	Relative Permittivity (ϵ_r):	33.35	34.38	-3.00	5
		e"	16.7800	Conductivity (σ):	6.16	6.19	-0.45	5
	Head 6800	e'	33.0000	Relative Permittivity (ϵ_r):	33.00	34.14	-3.34	5
		e"	17.0200	Conductivity (σ):	6.44	6.42	0.27	5
	Head 7000	e'	32.5400	Relative Permittivity (ϵ_r):	32.54	33.90	-4.01	5
		e"	16.6400	Conductivity (σ):	6.48	6.65	-2.61	5
2026-04-15	Head 6000	e'	34.7900	Relative Permittivity (ϵ_r):	34.79	35.10	-0.88	5
		e"	16.6900	Conductivity (σ):	5.57	5.48	1.61	5
	Head 6200	e'	34.6100	Relative Permittivity (ϵ_r):	34.61	34.86	-0.72	5
		e"	16.7000	Conductivity (σ):	5.76	5.72	0.72	5
	Head 6500	e'	34.1800	Relative Permittivity (ϵ_r):	34.18	34.50	-0.93	5
		e"	16.9700	Conductivity (σ):	6.13	6.07	1.04	5
	Head 6600	e'	33.7600	Relative Permittivity (ϵ_r):	33.76	34.38	-1.80	5
		e"	16.7600	Conductivity (σ):	6.15	6.19	-0.57	5
	Head 6800	e'	33.3500	Relative Permittivity (ϵ_r):	33.35	34.14	-2.31	5
		e"	17.0800	Conductivity (σ):	6.46	6.42	0.62	5
	Head 7000	e'	32.8700	Relative Permittivity (ϵ_r):	32.87	33.90	-3.04	5
		e"	16.6600	Conductivity (σ):	6.48	6.65	-2.49	5
2026-04-16	Head 6000	e'	35.8300	Relative Permittivity (ϵ_r):	35.83	35.10	2.08	5
		e"	16.2400	Conductivity (σ):	5.42	5.48	-1.13	5
	Head 6200	e'	35.6500	Relative Permittivity (ϵ_r):	35.65	34.86	2.27	5
		e"	16.3200	Conductivity (σ):	5.63	5.72	-1.57	5
	Head 6500	e'	35.2800	Relative Permittivity (ϵ_r):	35.28	34.50	2.26	5
		e"	16.9000	Conductivity (σ):	6.11	6.07	0.63	5
	Head 6600	e'	34.8500	Relative Permittivity (ϵ_r):	34.85	34.38	1.37	5
		e"	16.8200	Conductivity (σ):	6.17	6.19	-0.22	5
	Head 6800	e'	34.5400	Relative Permittivity (ϵ_r):	34.54	34.14	1.17	5
		e"	17.0500	Conductivity (σ):	6.45	6.42	0.45	5
	Head 7000	e'	34.1000	Relative Permittivity (ϵ_r):	34.10	33.90	0.59	5
		e"	16.8900	Conductivity (σ):	6.57	6.65	-1.14	5

SAR 10 Room

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-03-03	head 2250	e'	39.5500	Relative Permittivity (ϵ_r):	39.55	39.56	-0.03	5
		e"	13.1100	Conductivity (σ):	1.64	1.62	1.26	5
	head 2300	e'	39.5200	Relative Permittivity (ϵ_r):	39.52	39.47	0.12	5
		e"	13.1400	Conductivity (σ):	1.68	1.66	1.00	5
	head 2350	e'	39.4600	Relative Permittivity (ϵ_r):	39.46	39.38	0.19	5
		e"	13.2200	Conductivity (σ):	1.73	1.71	1.16	5
2026-03-09	head 2250	e'	37.9100	Relative Permittivity (ϵ_r):	37.91	39.56	-4.17	5
		e"	13.1100	Conductivity (σ):	1.64	1.62	1.26	5
	head 2300	e'	37.8800	Relative Permittivity (ϵ_r):	37.88	39.47	-4.03	5
		e"	13.0400	Conductivity (σ):	1.67	1.66	0.24	5
	head 2350	e'	37.8500	Relative Permittivity (ϵ_r):	37.85	39.38	-3.90	5
		e"	12.9900	Conductivity (σ):	1.70	1.71	-0.60	5
2026-03-13	head 2250	e'	39.7400	Relative Permittivity (ϵ_r):	39.74	39.56	0.45	5
		e"	12.7300	Conductivity (σ):	1.59	1.62	-1.68	5
	head 2300	e'	39.7100	Relative Permittivity (ϵ_r):	39.71	39.47	0.60	5
		e"	12.7900	Conductivity (σ):	1.64	1.66	-1.69	5
	head 2350	e'	39.6300	Relative Permittivity (ϵ_r):	39.63	39.38	0.62	5
		e"	12.8800	Conductivity (σ):	1.68	1.71	-1.45	5
2026-03-13	Head 2600	e'	39.1400	Relative Permittivity (ϵ_r):	39.14	39.01	0.33	5
		e"	13.1500	Conductivity (σ):	1.90	1.96	-3.11	5
	Head 2500	e'	39.3300	Relative Permittivity (ϵ_r):	39.33	39.14	0.49	5
		e"	13.0200	Conductivity (σ):	1.81	1.85	-2.38	5
	Head 2700	e'	38.9100	Relative Permittivity (ϵ_r):	38.91	38.88	0.07	5
		e"	13.2500	Conductivity (σ):	1.99	2.07	-3.92	5
2026-03-17	Head 2600	e'	38.1400	Relative Permittivity (ϵ_r):	38.14	39.01	-2.23	5
		e"	13.3700	Conductivity (σ):	1.93	1.96	-1.49	5
	Head 2500	e'	38.3300	Relative Permittivity (ϵ_r):	38.33	39.14	-2.06	5
		e"	13.1800	Conductivity (σ):	1.83	1.85	-1.18	5
	Head 2700	e'	37.8900	Relative Permittivity (ϵ_r):	37.89	38.88	-2.56	5
		e"	13.5600	Conductivity (σ):	2.04	2.07	-1.67	5
2026-03-23	Head 2600	e'	38.1700	Relative Permittivity (ϵ_r):	38.17	39.01	-2.16	5
		e"	13.4900	Conductivity (σ):	1.95	1.96	-0.61	5
	Head 2500	e'	38.4200	Relative Permittivity (ϵ_r):	38.42	39.14	-1.83	5
		e"	13.3800	Conductivity (σ):	1.86	1.85	0.32	5
	Head 2700	e'	37.9000	Relative Permittivity (ϵ_r):	37.90	38.88	-2.53	5
		e"	13.5800	Conductivity (σ):	2.04	2.07	-1.52	5
2026-03-27	Head 2600	e'	39.0400	Relative Permittivity (ϵ_r):	39.04	39.01	0.07	5
		e"	13.7600	Conductivity (σ):	1.99	1.96	1.38	5
	Head 2500	e'	39.2300	Relative Permittivity (ϵ_r):	39.23	39.14	0.24	5
		e"	13.6200	Conductivity (σ):	1.89	1.85	2.12	5
	Head 2700	e'	38.8400	Relative Permittivity (ϵ_r):	38.84	38.88	-0.11	5
		e"	13.9100	Conductivity (σ):	2.09	2.07	0.87	5

SAR 10 Room (Continued)

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-03-31	Head 3400	e'	37.2900	Relative Permittivity (ϵ_r):	37.29	38.04	-1.98	5
		e"	14.7300	Conductivity (σ):	2.78	2.81	-0.87	5
	Head 3500	e'	37.0600	Relative Permittivity (ϵ_r):	37.06	37.93	-2.29	5
		e"	14.8200	Conductivity (σ):	2.88	2.91	-0.94	5
	Head 3600	e'	36.8500	Relative Permittivity (ϵ_r):	36.85	37.82	-2.55	5
		e"	14.9300	Conductivity (σ):	2.99	3.01	-0.84	5
	Head 3700	e'	36.6400	Relative Permittivity (ϵ_r):	36.64	37.70	-2.82	5
		e"	15.0600	Conductivity (σ):	3.10	3.12	-0.57	5
	Head 3800	e'	36.4300	Relative Permittivity (ϵ_r):	36.43	37.59	-3.08	5
		e"	15.1900	Conductivity (σ):	3.21	3.22	-0.28	5
	Head 3900	e'	36.2200	Relative Permittivity (ϵ_r):	36.22	37.47	-3.34	5
		e"	15.3300	Conductivity (σ):	3.32	3.32	0.11	5
	Head 3980	e'	36.0500	Relative Permittivity (ϵ_r):	36.05	37.38	-3.56	5
		e"	15.4300	Conductivity (σ):	3.41	3.40	0.35	5
2026-03-31	head 2250	e'	39.9500	Relative Permittivity (ϵ_r):	39.95	39.56	0.98	5
		e"	13.2000	Conductivity (σ):	1.65	1.62	1.95	5
	head 2300	e'	39.8700	Relative Permittivity (ϵ_r):	39.87	39.47	1.01	5
		e"	13.2900	Conductivity (σ):	1.70	1.66	2.16	5
	head 2350	e'	39.7400	Relative Permittivity (ϵ_r):	39.74	39.38	0.90	5
		e"	13.3700	Conductivity (σ):	1.75	1.71	2.30	5
2026-03-31	Head 2600	e'	39.2000	Relative Permittivity (ϵ_r):	39.20	39.01	0.48	5
		e"	13.6000	Conductivity (σ):	1.97	1.96	0.20	5
	Head 2495	e'	39.4000	Relative Permittivity (ϵ_r):	39.40	39.14	0.66	5
		e"	13.5600	Conductivity (σ):	1.88	1.85	1.76	5
	Head 2700	e'	39.0000	Relative Permittivity (ϵ_r):	39.00	38.88	0.30	5
		e"	13.7800	Conductivity (σ):	2.07	2.07	-0.07	5
2026-04-06	head 2250	e'	40.2400	Relative Permittivity (ϵ_r):	40.24	39.56	1.72	5
		e"	13.0800	Conductivity (σ):	1.64	1.62	1.03	5
	head 2300	e'	40.1800	Relative Permittivity (ϵ_r):	40.18	39.47	1.79	5
		e"	13.1700	Conductivity (σ):	1.68	1.66	1.23	5
	head 2350	e'	40.0800	Relative Permittivity (ϵ_r):	40.08	39.38	1.77	5
		e"	13.2700	Conductivity (σ):	1.73	1.71	1.54	5
2026-04-06	Head 2600	e'	39.5000	Relative Permittivity (ϵ_r):	39.50	39.01	1.25	5
		e"	13.6000	Conductivity (σ):	1.97	1.96	0.20	5
	Head 2495	e'	39.7200	Relative Permittivity (ϵ_r):	39.72	39.14	1.49	5
		e"	13.4400	Conductivity (σ):	1.87	1.85	0.77	5
	Head 2700	e'	39.2200	Relative Permittivity (ϵ_r):	39.22	38.88	0.86	5
		e"	13.7300	Conductivity (σ):	2.06	2.07	-0.44	5
2026-06-02	Head 2600	e'	39.4100	Relative Permittivity (ϵ_r):	39.41	39.01	1.02	5
		e"	13.2000	Conductivity (σ):	1.91	1.96	-2.75	5
	Head 2495	e'	39.5300	Relative Permittivity (ϵ_r):	39.53	39.14	0.99	5
		e"	13.1900	Conductivity (σ):	1.83	1.85	-1.02	5
	Head 2700	e'	39.2100	Relative Permittivity (ϵ_r):	39.21	38.88	0.84	5
		e"	13.1500	Conductivity (σ):	1.97	2.07	-4.64	5
2026-06-05	Head 2600	e'	38.8100	Relative Permittivity (ϵ_r):	38.81	39.01	-0.51	5
		e"	13.4100	Conductivity (σ):	1.94	1.96	-1.20	5
	Head 2495	e'	38.9500	Relative Permittivity (ϵ_r):	38.95	39.14	-0.49	5
		e"	13.2600	Conductivity (σ):	1.84	1.85	-0.49	5
	Head 2700	e'	38.5600	Relative Permittivity (ϵ_r):	38.56	38.88	-0.83	5
		e"	13.6000	Conductivity (σ):	2.04	2.07	-1.38	5

SAR 11 Room

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-03-03	Head 3500	e'	37.7400	Relative Permittivity (ϵ_r):	37.74	37.93	-0.50	5
		e"	14.9500	Conductivity (σ):	2.91	2.91	-0.07	5
	Head 3600	e'	37.6000	Relative Permittivity (ϵ_r):	37.60	37.82	-0.57	5
		e"	14.9900	Conductivity (σ):	3.00	3.01	-0.44	5
	Head 3700	e'	37.4600	Relative Permittivity (ϵ_r):	37.46	37.70	-0.64	5
		e"	15.0500	Conductivity (σ):	3.10	3.12	-0.64	5
	Head 3800	e'	37.3300	Relative Permittivity (ϵ_r):	37.33	37.59	-0.68	5
		e"	15.1200	Conductivity (σ):	3.19	3.22	-0.74	5
	Head 3900	e'	37.2000	Relative Permittivity (ϵ_r):	37.20	37.47	-0.73	5
		e"	15.2000	Conductivity (σ):	3.30	3.32	-0.74	5
	Head 3980	e'	37.0900	Relative Permittivity (ϵ_r):	37.09	37.38	-0.78	5
		e"	15.2600	Conductivity (σ):	3.38	3.40	-0.75	5
2026-03-04	Head 2600	e'	37.4600	Relative Permittivity (ϵ_r):	37.46	39.01	-3.98	5
		e"	13.6700	Conductivity (σ):	1.98	1.96	0.72	5
	Head 2500	e'	37.5700	Relative Permittivity (ϵ_r):	37.57	39.14	-4.00	5
		e"	13.6400	Conductivity (σ):	1.90	1.85	2.27	5
	Head 2700	e'	37.2800	Relative Permittivity (ϵ_r):	37.28	38.88	-4.13	5
		e"	13.7200	Conductivity (σ):	2.06	2.07	-0.51	5
2026-03-09	Head 2600	e'	37.4000	Relative Permittivity (ϵ_r):	37.40	39.01	-4.13	5
		e"	13.9600	Conductivity (σ):	2.02	1.96	2.85	5
	Head 2500	e'	37.5900	Relative Permittivity (ϵ_r):	37.59	39.14	-3.95	5
		e"	13.9100	Conductivity (σ):	1.93	1.85	4.29	5
	Head 2700	e'	37.2190	Relative Permittivity (ϵ_r):	37.22	38.88	-4.28	5
		e"	14.0000	Conductivity (σ):	2.10	2.07	1.52	5
2026-03-13	Head 3500	e'	37.6700	Relative Permittivity (ϵ_r):	37.67	37.93	-0.68	5
		e"	15.3700	Conductivity (σ):	2.99	2.91	2.73	5
	Head 3600	e'	37.5500	Relative Permittivity (ϵ_r):	37.55	37.82	-0.70	5
		e"	15.4400	Conductivity (σ):	3.09	3.01	2.55	5
	Head 3700	e'	37.4200	Relative Permittivity (ϵ_r):	37.42	37.70	-0.75	5
		e"	15.5100	Conductivity (σ):	3.19	3.12	2.40	5
	Head 3800	e'	37.3000	Relative Permittivity (ϵ_r):	37.30	37.59	-0.76	5
		e"	15.5600	Conductivity (σ):	3.29	3.22	2.15	5
	Head 3900	e'	37.1900	Relative Permittivity (ϵ_r):	37.19	37.47	-0.76	5
		e"	15.6200	Conductivity (σ):	3.39	3.32	2.00	5
	Head 3980	e'	37.1000	Relative Permittivity (ϵ_r):	37.10	37.38	-0.75	5
		e"	15.6600	Conductivity (σ):	3.47	3.40	1.85	5
2026-03-17	Head 3500	e'	37.2300	Relative Permittivity (ϵ_r):	37.23	37.93	-1.84	5
		e"	15.2400	Conductivity (σ):	2.97	2.91	1.86	5
	Head 3600	e'	37.0900	Relative Permittivity (ϵ_r):	37.09	37.82	-1.92	5
		e"	15.2800	Conductivity (σ):	3.06	3.01	1.48	5
	Head 3700	e'	36.9700	Relative Permittivity (ϵ_r):	36.97	37.70	-1.94	5
		e"	15.3200	Conductivity (σ):	3.15	3.12	1.14	5
	Head 3800	e'	36.8500	Relative Permittivity (ϵ_r):	36.85	37.59	-1.96	5
		e"	15.3700	Conductivity (σ):	3.25	3.22	0.90	5
	Head 3900	e'	36.7400	Relative Permittivity (ϵ_r):	36.74	37.47	-1.96	5
		e"	15.4500	Conductivity (σ):	3.35	3.32	0.89	5
	Head 3980	e'	36.6500	Relative Permittivity (ϵ_r):	36.65	37.38	-1.96	5
		e"	15.5100	Conductivity (σ):	3.43	3.40	0.87	5

SAR 11 Room (Continued)

Date	Freq. (MHz)		Liquid Parameters		Measured	Target	Delta (%)	Limit ±(%)
2026-03-23	Head 3500	e'	38.8100	Relative Permittivity (ϵ_r):	38.81	37.93	2.32	5
		e"	15.0000	Conductivity (σ):	2.92	2.91	0.26	5
	Head 3600	e'	38.6700	Relative Permittivity (ϵ_r):	38.67	37.82	2.26	5
		e"	15.0500	Conductivity (σ):	3.01	3.01	-0.04	5
	Head 3700	e'	38.5400	Relative Permittivity (ϵ_r):	38.54	37.70	2.22	5
		e"	15.1200	Conductivity (σ):	3.11	3.12	-0.18	5
	Head 3800	e'	38.4100	Relative Permittivity (ϵ_r):	38.41	37.59	2.19	5
		e"	15.2000	Conductivity (σ):	3.21	3.22	-0.21	5
	Head 3900	e'	38.2700	Relative Permittivity (ϵ_r):	38.27	37.47	2.13	5
		e"	15.3000	Conductivity (σ):	3.32	3.32	-0.09	5
	Head 3980	e'	38.1600	Relative Permittivity (ϵ_r):	38.16	37.38	2.08	5
		e"	15.3600	Conductivity (σ):	3.40	3.40	-0.10	5
2026-03-27	Head 3500	e'	38.9900	Relative Permittivity (ϵ_r):	38.99	37.93	2.80	5
		e"	15.0500	Conductivity (σ):	2.93	2.91	0.59	5
	Head 3600	e'	38.8500	Relative Permittivity (ϵ_r):	38.85	37.82	2.74	5
		e"	15.1300	Conductivity (σ):	3.03	3.01	0.49	5
	Head 3700	e'	38.7200	Relative Permittivity (ϵ_r):	38.72	37.70	2.70	5
		e"	15.2200	Conductivity (σ):	3.13	3.12	0.48	5
	Head 3800	e'	38.5800	Relative Permittivity (ϵ_r):	38.58	37.59	2.64	5
		e"	15.3200	Conductivity (σ):	3.24	3.22	0.57	5
	Head 3900	e'	38.4500	Relative Permittivity (ϵ_r):	38.45	37.47	2.61	5
		e"	15.4300	Conductivity (σ):	3.35	3.32	0.76	5
	Head 3980	e'	38.3300	Relative Permittivity (ϵ_r):	38.33	37.38	2.54	5
		e"	15.5200	Conductivity (σ):	3.43	3.40	0.94	5
2026-03-31	Head 3500	e'	37.2500	Relative Permittivity (ϵ_r):	37.25	37.93	-1.79	5
		e"	15.2200	Conductivity (σ):	2.96	2.91	1.73	5
	Head 3600	e'	37.0500	Relative Permittivity (ϵ_r):	37.05	37.82	-2.02	5
		e"	15.3600	Conductivity (σ):	3.07	3.01	2.01	5
	Head 3700	e'	36.8400	Relative Permittivity (ϵ_r):	36.84	37.70	-2.28	5
		e"	15.5200	Conductivity (σ):	3.19	3.12	2.46	5
	Head 3800	e'	36.6300	Relative Permittivity (ϵ_r):	36.63	37.59	-2.55	5
		e"	15.6800	Conductivity (σ):	3.31	3.22	2.94	5
	Head 3900	e'	36.4200	Relative Permittivity (ϵ_r):	36.42	37.47	-2.81	5
		e"	15.8400	Conductivity (σ):	3.43	3.32	3.44	5
	Head 3980	e'	36.2500	Relative Permittivity (ϵ_r):	36.25	37.38	-3.03	5
		e"	15.9700	Conductivity (σ):	3.53	3.40	3.86	5
2026-04-14	Head 750	e'	42.4900	Relative Permittivity (ϵ_r):	42.49	41.96	1.26	5
		e"	21.5300	Conductivity (σ):	0.90	0.89	0.53	5
	Head 660	e'	42.7900	Relative Permittivity (ϵ_r):	42.79	42.42	0.86	5
		e"	23.1300	Conductivity (σ):	0.85	0.89	-4.21	5
	Head 790	e'	42.3700	Relative Permittivity (ϵ_r):	42.37	41.76	1.47	5
		e"	20.6900	Conductivity (σ):	0.91	0.90	1.42	5
2026-04-14	Head 835	e'	42.2800	Relative Permittivity (ϵ_r):	42.28	41.50	1.88	5
		e"	19.9300	Conductivity (σ):	0.93	0.90	2.81	5
	Head 820	e'	42.3100	Relative Permittivity (ϵ_r):	42.31	41.60	1.70	5
		e"	20.1600	Conductivity (σ):	0.92	0.90	2.31	5
	Head 850	e'	42.2700	Relative Permittivity (ϵ_r):	42.27	41.50	1.86	5
		e"	19.7000	Conductivity (σ):	0.93	0.92	1.76	5

8.2. SAR 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 below 100MHz, above 6GHz frequency range, The System verification performed within 24 hours prior to DUT test.

System Performance Check Measurement Conditions (100MHz to 8GHz):

- 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 15 mm (below 1 GHz), 10mm (between 1GHz to 6GHz) and 5mm (above 6GHz) from dipole center to the simulating liquid surface.
- 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 (13MHz):

- 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
CLA-13	1015	2025-08-13	2026-08-13	1g	0.524
				10g	0.329
D750V3	1205	2025-04-14	2026-04-14	1g	8.64
				10g	5.61
D750V3	1122	2026-02-17	2027-02-17	1g	8.60
				10g	5.61
D835V2	4d174	2024-09-16	2026-09-16	1g	9.44
				10g	6.09
D835V2	4d194	2026-03-02	2027-03-02	1g	9.59
				10g	6.25
D1640V2	334	2026-03-12	2027-03-12	1g	34.40
				10g	18.80
D1750V2	1125	2024-11-18	2026-11-18	1g	36.60
				10g	19.50
D1750V2	1180	2024-10-15	2026-10-15	1g	37.00
				10g	19.70
D1900V2	5d190	2025-04-08	2026-04-08	1g	39.00
				10g	20.50
D1900V2	5d199	2026-03-12	2027-03-12	1g	39.70
				10g	20.70
D2300V2	1090	2024-11-18	2026-11-18	1g	48.20
				10g	23.10
D2450V2	939	2024-07-10	2026-07-10	1g	52.20
				10g	24.40
D2450V2	960	2026-03-10	2027-03-10	1g	51.80
				10g	24.40
D2600V2	1097	2024-09-13	2026-09-13	1g	57.30
				10g	25.60
D2600V2	1178	2025-04-15	2026-04-15	1g	55.70
				10g	25.00
D3500V2	1075	2025-05-21	2026-05-21	1g	65.60
				10g	25.00
D3700V2	1036	2025-05-21	2026-05-21	1g	69.40
				10g	25.60
D3900V2	1069	2025-05-21	2026-05-21	1g	69.90
				10g	24.60
D5GHzV2 (5.25 GHz)	1325	2025-04-16	2026-04-16	1g	78.0
				10g	22.3
D5GHzV2 (5.6 GHz)	1325	2025-04-16	2026-04-16	1g	81.3
				10g	23.3
D5GHzV2 (5.75 GHz)	1325	2025-04-16	2026-04-16	1g	77.8
				10g	22.1
D5GHzV2 (5.8 GHz)	1325	2025-04-16	2026-04-16	1g	81.0
				10g	22.9
D5GHzV2 (5.25 GHz)	1184	2024-11-21	2026-11-21	1g	81.20
				10g	23.20
D5GHzV2 (5.6 GHz)	1184	2024-11-21	2026-11-21	1g	84.00
				10g	24.00
D5GHzV2 (5.75 GHz)	1184	2024-11-21	2026-11-21	1g	79.90
				10g	22.90
D5GHzV2 (5.8 GHz)	1184	2024-11-21	2026-11-21	1g	77.50
				10g	22.20
D6.5GHzV2	1010	2024-06-11	2026-06-11	1g	293.00
				8g	66.00
				10g	54.00
				APD	1320.00
D8GHzV2	1012	2024-11-13	2026-11-13	1g	27.30
				8g	56.10
				10g	45.80
				APD	1130.00

System Check Results

The 1-g and 10-g SAR measured with a reference dipole, using the required tissue-equivalent medium at the test frequency, must be within 10% of the manufacturer calibrated dipole SAR target.

SAR 1 Room

Date Tested	System Dipole		T.S. Liquid		Measured Results		Target (Ref. Value)	Delta ±10 %	Plot No.	
	Type	Serial #			Zoom Scan to 100 mW	Normalize to 1 W				
2026-03-03	D1750V2	1125	Head	1g	3.46	34.6	36.60	-5.46	1	
				10g	1.85	18.5	19.50	-5.13		
2026-03-04	D1750V2	1125	Head	1g	3.37	33.7	36.60	-7.92		1
				10g	1.81	18.1	19.50	-7.18		
2026-03-24	D5GHzV2 (5250)	1325	Head	1g	7.43	74.3	78.00	-4.74		
				10g	2.16	21.6	22.30	-3.14		
2026-03-24	D5GHzV2 (5600)	1325	Head	1g	8.15	81.5	81.30	0.25		
				10g	2.34	23.4	23.30	0.43		
2026-03-24	D5GHzV2 (5750)	1325	Head	1g	7.78	77.8	77.80	0.00		
				10g	2.24	22.4	22.10	1.36		
2026-03-24	D5GHzV2 (5800)	1325	Head	1g	7.67	76.7	81.00	-5.31		
				10g	2.20	22.0	22.90	-3.93		
2026-03-25	D5GHzV2 (5250)	1325	Head	1g	7.23	72.3	78.00	-7.31	2	
				10g	2.11	21.1	22.30	-5.38		
2026-03-25	D5GHzV2 (5600)	1325	Head	1g	8.14	81.4	81.30	0.12		
				10g	2.33	23.3	23.30	0.00		
2026-03-26	D5GHzV2 (5250)	1325	Head	1g	7.55	75.5	78.00	-3.21		
				10g	2.20	22.0	22.30	-1.35		
2026-03-26	D5GHzV2 (5750)	1325	Head	1g	7.87	78.7	77.80	1.16		
				10g	2.27	22.7	22.10	2.71		
2026-03-26	D5GHzV2 (5800)	1325	Head	1g	7.83	78.3	81.00	-3.33		
				10g	2.25	22.5	22.90	-1.75		
2026-03-29	D5GHzV2 (5750)	1325	Head	1g	7.89	78.9	77.80	1.41		
				10g	2.25	22.5	22.10	1.81		
2026-03-29	D5GHzV2 (5800)	1325	Head	1g	7.55	75.5	81.00	-6.79		
				10g	2.15	21.5	22.90	-6.11		
2026-03-30	D5GHzV2 (5750)	1325	Head	1g	8.11	81.1	77.80	4.24		
				10g	2.34	23.4	22.10	5.88		
2026-03-30	D5GHzV2 (5800)	1325	Head	1g	7.72	77.2	81.00	-4.69		
				10g	2.23	22.3	22.90	-2.62		
2026-03-31	D5GHzV2 (5750)	1325	Head	1g	8.23	82.3	77.80	5.78		
				10g	2.38	23.8	22.10	7.69		
2026-03-31	D5GHzV2 (5800)	1325	Head	1g	8.25	82.5	81.00	1.85		
				10g	2.38	23.8	22.90	3.93		
2026-03-31	D1750V2	1125	Head	1g	3.54	35.4	36.60	-3.28		
				10g	1.90	19.0	19.50	-2.56		
2026-03-31	D1900V2	5d190	Head	1g	3.95	39.5	39.00	1.28		
				10g	2.07	20.7	20.50	0.98		
2026-04-01	D1750V2	1125	Head	1g	3.59	35.9	36.60	-1.91		
				10g	1.93	19.3	19.50	-1.03		
2026-04-01	D1900V2	5d190	Head	1g	3.99	39.9	39.00	2.31		
				10g	2.09	20.9	20.50	1.95		
2026-04-02	D1750V2	1125	Head	1g	3.52	35.2	36.60	-3.83		
				10g	1.90	19.0	19.50	-2.56		
2026-04-02	D1900V2	5d190	Head	1g	3.94	39.4	39.00	1.03		
				10g	2.06	20.6	20.50	0.49		
2026-04-03	D1750V2	1125	Head	1g	3.57	35.7	36.60	-2.46		
				10g	1.91	19.1	19.50	-2.05		
2026-04-05	D5GHzV2 (5250)	1325	Head	1g	8.19	81.9	78.00	5.00		
				10g	2.40	24.0	22.30	7.62		
2026-04-05	D5GHzV2 (5600)	1325	Head	1g	8.61	86.1	81.30	5.90		
				10g	2.51	25.1	23.30	7.73		

SAR 1 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			
2026-04-06	D5GHzV2 (5250)	1325	Head	1g	8.21	82.1	78.00	5.26
				10g	2.41	24.1	22.30	8.07
2026-04-06	D5GHzV2 (5600)	1325	Head	1g	8.71	87.1	81.30	7.13
				10g	2.52	25.2	23.30	8.15
2026-04-06	D5GHzV2 (5750)	1325	Head	1g	7.82	78.2	77.80	0.51
				10g	2.26	22.6	22.10	2.26
2026-04-06	D5GHzV2 (5800)	1325	Head	1g	7.83	78.3	81.00	-3.33
				10g	2.26	22.6	22.90	-1.31
2026-04-07	D5GHzV2 (5750)	1325	Head	1g	7.93	79.3	77.80	1.93
				10g	2.31	23.1	22.10	4.52
2026-04-07	D5GHzV2 (5800)	1325	Head	1g	8.02	80.2	81.00	-0.99
				10g	2.33	23.3	22.90	1.75
2026-04-07	D2450V2	939	Head	1g	4.95	49.5	52.20	-5.17
				10g	2.37	23.7	24.40	-2.87
2026-04-08	D2450V2	939	Head	1g	4.95	49.5	52.20	-5.17
				10g	2.37	23.7	24.40	-2.87
2026-04-09	D5GHzV2 (5750)	1325	Head	1g	7.39	73.9	77.80	-5.01
				10g	2.15	21.5	22.10	-2.71
2026-04-09	D5GHzV2 (5800)	1325	Head	1g	7.57	75.7	81.00	-6.54
				10g	2.19	21.9	22.90	-4.37
2026-04-09	D2450V2	939	Head	1g	4.81	48.1	52.20	-7.85
				10g	2.29	22.9	24.40	-6.15
2026-04-11	D2450V2	939	Head	1g	4.89	48.9	52.20	-6.32
				10g	2.30	23.0	24.40	-5.74
2026-04-12	D2450V2	939	Head	1g	4.92	49.2	52.20	-5.75
				10g	2.35	23.5	24.40	-3.69
2026-04-13	D2450V2	939	Head	1g	5.05	50.5	52.20	-3.26
				10g	2.41	24.1	24.40	-1.23
2026-04-14	D2450V2	939	Head	1g	5.14	51.4	52.20	-1.53
				10g	2.45	24.5	24.40	0.41
2026-04-15	D5GHzV2 (5600)	1325	Head	1g	8.18	81.8	81.30	0.62
				10g	2.37	23.7	23.30	1.72
2026-04-17	D2450V2	939	Head	1g	5.05	50.5	52.20	-3.26
				10g	2.41	24.1	24.40	-1.23
2026-04-20	D5GHzV2 (5250)	1325	Head	1g	7.68	76.8	78.00	-1.54
				10g	2.26	22.6	22.30	1.35
2026-04-20	D2450V2	960	Head	1g	4.90	49.0	51.80	-5.41
				10g	2.34	23.4	24.40	-4.10
2026-04-21	D2450V2	960	Head	1g	4.97	49.7	51.80	-4.05
				10g	2.38	23.8	24.40	-2.46
2026-04-22	D2450V2	960	Head	1g	5.14	51.4	51.80	-0.77
				10g	2.46	24.6	24.40	0.82
2026-04-23	D2450V2	960	Head	1g	4.95	49.5	51.80	-4.44
				10g	2.38	23.8	24.40	-2.46
2026-06-04	D2600V2	1178	Head	1g	5.42	54.2	55.70	-2.69
				10g	2.52	25.2	25.00	0.80
2026-06-08	D2600V2	1178	Head	1g	5.35	53.5	55.70	-3.95
				10g	2.49	24.9	25.00	-0.40

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			
2026-03-04	D1750V2	1125	Head	1g	3.57	35.7	36.60	-2.46	
				10g	1.89	18.9	19.50	-3.08	
2026-03-12	D1750V2	1125	Head	1g	3.51	35.1	36.60	-4.10	
				10g	1.87	18.7	19.50	-4.10	
2026-03-13	D1750V2	1125	Head	1g	3.41	34.1	36.60	-6.83	4
				10g	1.81	18.1	19.50	-7.18	
2026-03-16	D1750V2	1125	Head	1g	3.76	37.6	36.60	2.73	
				10g	2.01	20.1	19.50	3.08	
2026-03-18	D1750V2	1125	Head	1g	3.79	37.9	36.60	3.55	
				10g	2.03	20.3	19.50	4.10	
2026-03-23	D1750V2	1125	Head	1g	3.73	37.3	36.60	1.91	
				10g	2.03	20.3	19.50	4.10	
2026-03-23	D1900V2	5d190	Head	1g	3.89	38.9	39.00	-0.26	
				10g	2.08	20.8	20.50	1.46	
2026-03-24	D750V3	1205	Head	1g	0.88	8.8	8.64	1.39	
				10g	0.58	5.8	5.61	3.92	
2026-03-24	D835V3	4d194	Head	1g	1.03	10.3	9.59	7.40	5
				10g	0.68	6.8	6.25	9.12	
2026-03-25	D750V3	1205	Head	1g	0.85	8.5	8.64	-1.27	
				10g	0.57	5.7	5.61	1.78	
2026-03-25	D835V3	4d194	Head	1g	0.92	9.2	9.59	-4.48	
				10g	0.61	6.1	6.25	-2.24	
2026-03-26	D750V3	1205	Head	1g	0.91	9.1	8.64	5.09	
				10g	0.60	6.0	5.61	7.31	
2026-03-26	D835V3	4d194	Head	1g	0.98	9.8	9.59	1.88	
				10g	0.64	6.4	6.25	2.56	
2026-03-27	D835V3	4d194	Head	1g	1.01	10.1	9.59	5.32	
				10g	0.67	6.7	6.25	6.56	
2026-03-30	D835V3	4d194	Head	1g	1.01	10.1	9.59	5.32	
				10g	0.67	6.7	6.25	7.04	
2026-03-31	D835V3	4d194	Head	1g	1.02	10.2	9.59	6.36	
				10g	0.68	6.8	6.25	8.32	
2026-04-01	D835V3	4d194	Head	1g	0.93	9.3	9.59	-3.23	
				10g	0.62	6.2	6.25	-1.12	
2026-04-02	D5GHzV2 (5250)	1325	Head	1g	7.94	79.4	78.00	1.79	
				10g	2.32	23.2	22.30	4.04	
2026-04-02	D5GHzV2 (5600)	1325	Head	1g	8.28	82.8	81.30	1.85	
				10g	2.37	23.7	23.30	1.72	
2026-04-03	D5GHzV2 (5250)	1325	Head	1g	7.30	73.0	78.00	-6.41	
				10g	2.14	21.4	22.30	-4.04	
2026-04-03	D5GHzV2 (5600)	1325	Head	1g	8.15	81.5	81.30	0.25	
				10g	2.34	23.4	23.30	0.43	
2026-04-05	D5GHzV2 (5250)	1325	Head	1g	8.21	82.1	78.00	5.26	
				10g	2.40	24.0	22.30	7.62	
2026-04-05	D5GHzV2 (5600)	1325	Head	1g	8.64	86.4	81.30	6.27	
				10g	2.48	24.8	23.30	6.44	
2026-04-06	D5GHzV2 (5600)	1325	Head	1g	8.31	83.1	81.30	2.21	
				10g	2.39	23.9	23.30	2.58	
2026-04-06	D5GHzV2 (5750)	1325	Head	1g	7.72	77.2	77.80	-0.77	
				10g	2.23	22.3	22.10	0.90	
2026-04-06	D5GHzV2 (5800)	1325	Head	1g	8.02	80.2	81.00	-0.99	
				10g	2.30	23.0	22.90	0.44	
2026-04-07	D5GHzV2 (5750)	1325	Head	1g	7.86	78.6	77.80	1.03	
				10g	2.26	22.6	22.10	2.26	
2026-04-07	D5GHzV2 (5800)	1325	Head	1g	8.52	85.2	81.00	5.19	
				10g	2.46	24.6	22.90	7.42	
2026-04-07	D1900V2	5d190	Head	1g	4.09	40.9	39.00	4.87	
				10g	2.18	21.8	20.50	6.34	
2026-04-08	D1750V2	1125	Head	1g	3.41	34.1	36.60	-6.83	
				10g	1.85	18.5	19.50	-5.13	
2026-04-08	D1900V2	5d190	Head	1g	3.95	39.5	39.00	1.28	
				10g	2.09	20.9	20.50	1.95	
2026-04-08	D5GHzV2 (5750)	1325	Head	1g	8.17	81.7	77.80	5.01	
				10g	2.36	23.6	22.10	6.79	
2026-04-08	D5GHzV2 (5800)	1325	Head	1g	8.06	80.6	81.00	-0.49	
				10g	2.32	23.2	22.90	1.31	

SAR 2 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			
2026-04-09	D5GHzV2 (5250)	1325	Head	1g	8.03	80.3	78.00	2.95
				10g	2.36	23.6	22.30	5.83
2026-04-09	D5GHzV2 (5600)	1325	Head	1g	8.68	86.8	81.30	6.77
				10g	2.50	25.0	23.30	7.30
2026-04-10	D5GHzV2 (5600)	1325	Head	1g	7.82	78.2	81.30	-3.81
				10g	2.26	22.6	23.30	-3.00
2026-04-10	D5GHzV2 (5750)	1325	Head	1g	7.92	79.2	77.80	1.80
				10g	2.29	22.9	22.10	3.62
2026-04-10	D5GHzV2 (5800)	1325	Head	1g	8.44	84.4	81.00	4.20
				10g	2.44	24.4	22.90	6.55
2026-04-10	D2450V2	939	Head	1g	5.14	51.4	52.20	-1.53
				10g	2.46	24.6	24.40	0.82
2026-04-11	D2450V2	939	Head	1g	5.41	54.1	52.20	3.64
				10g	2.60	26.0	24.40	6.56
2026-04-12	D2450V2	939	Head	1g	5.56	55.6	52.20	6.51
				10g	2.67	26.7	24.40	9.43
2026-04-13	D2450V2	939	Head	1g	5.57	55.7	52.20	6.70
				10g	2.67	26.7	24.40	9.43
2026-04-14	D1750V2	1125	Head	1g	3.80	38.0	36.60	3.83
				10g	2.07	20.7	19.50	6.15
2026-04-15	D1750V2	1125	Head	1g	3.84	38.4	36.60	4.92
				10g	2.10	21.0	19.50	7.69
2026-04-16	D1900V2	5d190	Head	1g	3.89	38.9	39.00	-0.26
				10g	2.08	20.8	20.50	1.46
2026-04-17	D1750V2	1125	Head	1g	3.61	36.1	36.60	-1.37
				10g	1.97	19.7	19.50	1.03
2026-04-17	D1900V2	5d190	Head	1g	3.93	39.3	39.00	0.77
				10g	2.10	21.0	20.50	2.44
2026-04-20	D1750V2	1125	Head	1g	3.51	35.1	36.60	-4.10
				10g	1.91	19.1	19.50	-2.05
2026-04-20	D1900V2	5d190	Head	1g	4.02	40.2	39.00	3.08
				10g	2.16	21.6	20.50	5.37
2026-04-21	D2450V2	960	Head	1g	5.29	52.9	51.80	2.12
				10g	2.55	25.5	24.40	4.51
2026-04-22	D2450V2	960	Head	1g	5.46	54.6	51.80	5.41
				10g	2.61	26.1	24.40	6.97
2026-04-23	D2450V2	960	Head	1g	5.27	52.7	51.80	1.74
				10g	2.55	25.5	24.40	4.51

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			
2026-03-16	D750V3	1205	Head	1g	0.84	8.4	8.64	-2.66
				10g	0.57	5.7	5.61	2.14
2026-03-17	D750V3	1205	Head	1g	0.82	8.2	8.64	-4.63
				10g	0.55	5.5	5.61	-1.60
2026-03-18	D750V3	1205	Head	1g	0.83	8.3	8.64	-3.70
				10g	0.56	5.6	5.61	-0.53
2026-03-19	D750V3	1205	Head	1g	0.84	8.4	8.64	-2.43
				10g	0.57	5.7	5.61	0.71
2026-03-20	D750V3	1205	Head	1g	0.85	8.5	8.64	-1.85
				10g	0.57	5.7	5.61	1.07
2026-03-23	D750V3	1205	Head	1g	0.85	8.5	8.64	-1.16
				10g	0.57	5.7	5.61	0.89
2026-03-24	D750V3	1205	Head	1g	0.84	8.4	8.64	-2.78
				10g	0.56	5.6	5.61	0.36
2026-03-25	D750V3	1205	Head	1g	0.83	8.3	8.64	-3.94
				10g	0.56	5.6	5.61	-0.89
2026-03-26	D750V3	1205	Head	1g	0.83	8.3	8.64	-3.47
				10g	0.56	5.6	5.61	-0.71
2026-03-27	D750V3	1205	Head	1g	0.84	8.4	8.64	-3.01
				10g	0.56	5.6	5.61	-0.18
2026-03-30	D1750V2	1125	Head	1g	3.43	34.3	36.60	-6.28
				10g	1.85	18.5	19.50	-5.13
2026-03-30	D1900V2	5d190	Head	1g	3.88	38.8	39.00	-0.51
				10g	2.06	20.6	20.50	0.49
2026-03-31	D1750V2	1125	Head	1g	3.39	33.9	36.60	-7.38
				10g	1.83	18.3	19.50	-6.15
2026-03-31	D1900V2	5d190	Head	1g	4.02	40.2	39.00	3.08
				10g	2.12	21.2	20.50	3.41
2026-04-02	D1900V2	5d190	Head	1g	3.99	39.9	39.00	2.31
				10g	2.11	21.1	20.50	2.93
2026-04-02	D835V3	4d194	Head	1g	1.01	10.1	9.59	5.32
				10g	0.67	6.7	6.25	7.36
2026-04-03	D835V3	4d194	Head	1g	0.94	9.4	9.59	-2.09
				10g	0.62	6.2	6.25	-0.64
2026-04-14	D1900V2	5d190	Head	1g	3.67	36.7	39.00	-5.90
				10g	1.90	19.0	20.50	-7.32
2026-05-03	D2450V2	960	Head	1g	5.48	54.8	51.80	5.79
				10g	2.60	26.0	24.10	7.88

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			
2026-03-03	D750V3	1205	Head	1g	0.86	8.6	8.64	-0.12
				10g	0.59	5.9	5.61	5.35
2026-03-03	D835V3	4d174	Head	1g	0.92	9.2	9.44	-2.54
				10g	0.63	6.3	6.09	3.12
2026-03-04	D750V3	1205	Head	1g	0.82	8.2	8.64	-5.56
				10g	0.54	5.4	5.61	-4.10
2026-03-04	D835V3	4d174	Head	1g	0.93	9.3	9.44	-1.27
				10g	0.61	6.1	6.09	0.16
2026-03-05	D750V3	1205	Head	1g	0.82	8.2	8.64	-4.86
				10g	0.54	5.4	5.61	-3.21
2026-03-05	D835V3	4d174	Head	1g	0.94	9.4	9.44	-0.32
				10g	0.62	6.2	6.09	1.48
2026-03-06	D750V3	1205	Head	1g	0.80	8.0	8.64	-7.29
				10g	0.53	5.3	5.61	-6.06
2026-03-06	D835V3	4d174	Head	1g	0.92	9.2	9.44	-2.44
				10g	0.60	6.0	6.09	-0.99
2026-03-09	D750V3	1205	Head	1g	0.88	8.8	8.64	1.50
				10g	0.61	6.1	5.61	9.45
2026-03-09	D835V3	4d174	Head	1g	0.94	9.4	9.44	-0.64
				10g	0.65	6.5	6.09	7.06
2026-03-10	D750V3	1205	Head	1g	0.89	8.9	8.64	3.36
				10g	0.59	5.9	5.61	5.17
2026-03-10	D835V3	4d174	Head	1g	0.96	9.6	9.44	1.69
				10g	0.64	6.4	6.09	4.27
2026-03-11	D750V3	1205	Head	1g	0.83	8.3	8.64	-3.94
				10g	0.54	5.4	5.61	-3.74
2026-03-11	D835V3	4d174	Head	1g	0.86	8.6	9.44	-8.69
				10g	0.56	5.6	6.09	-8.37
2026-03-12	D750V3	1205	Head	1g	0.86	8.6	8.64	-0.93
				10g	0.58	5.8	5.61	3.92
2026-03-12	D835V3	4d174	Head	1g	0.97	9.7	9.44	2.86
				10g	0.66	6.6	6.09	7.72
2026-03-13	D750V3	1205	Head	1g	0.90	9.0	8.64	3.82
				10g	0.61	6.1	5.61	8.20
2026-03-13	D835V3	4d174	Head	1g	0.90	9.0	9.44	-4.98
				10g	0.61	6.1	6.09	-0.33
2026-03-16	D750V3	1205	Head	1g	0.86	8.6	8.64	-0.35
				10g	0.58	5.8	5.61	2.67
2026-03-16	D835V3	4d174	Head	1g	0.96	9.6	9.44	1.17
				10g	0.64	6.4	6.09	4.43
2026-03-17	D750V3	1205	Head	1g	0.89	8.9	8.64	3.01
				10g	0.61	6.1	5.61	7.84
2026-03-17	D835V3	4d174	Head	1g	0.98	9.8	9.44	3.50
				10g	0.66	6.6	6.09	8.54
2026-03-18	D750V3	1205	Head	1g	0.87	8.7	8.64	0.69
				10g	0.58	5.8	5.61	3.21
2026-03-18	D835V3	4d194	Head	1g	0.99	9.9	9.59	3.23
				10g	0.65	6.5	6.25	4.32
2026-03-19	D750V3	1205	Head	1g	0.84	8.4	8.64	-2.78
				10g	0.56	5.6	5.61	-1.07
2026-03-19	D835V3	4d194	Head	1g	0.91	9.1	9.59	-4.69
				10g	0.60	6.0	6.25	-4.32
2026-03-20	D750V3	1205	Head	1g	0.84	8.4	8.64	-2.43
				10g	0.56	5.6	5.61	-1.07
2026-03-20	D835V3	4d194	Head	1g	0.94	9.4	9.59	-2.19
				10g	0.62	6.2	6.25	-0.32
2026-03-23	D750V3	1205	Head	1g	0.83	8.3	8.64	-3.47
				10g	0.57	5.7	5.61	1.96
2026-03-23	D835V3	4d194	Head	1g	0.95	9.5	9.59	-0.52
				10g	0.65	6.5	6.25	4.32
2026-03-24	D750V3	1205	Head	1g	0.88	8.8	8.64	1.27
				10g	0.60	6.0	5.61	6.06
2026-03-24	D835V3	4d194	Head	1g	0.95	9.5	9.59	-0.73
				10g	0.65	6.5	6.25	3.52
2026-03-25	D750V3	1205	Head	1g	0.92	9.2	8.64	6.37
				10g	0.60	6.0	5.61	6.95
2026-03-25	D835V3	4d194	Head	1g	0.98	9.8	9.59	2.50
				10g	0.64	6.4	6.25	2.56

SAR 4 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			
2026-03-26	D750V3	1205	Head	1g	0.87	8.7	8.64	0.23
				10g	0.58	5.8	5.61	3.03
2026-03-26	D835V3	4d194	Head	1g	0.95	9.5	9.59	-1.25
				10g	0.62	6.2	6.25	-0.64
2026-03-27	D835V3	4d194	Head	1g	0.93	9.3	9.59	-3.55
				10g	0.63	6.3	6.25	0.16
2026-03-30	D750V3	1205	Head	1g	0.93	9.3	8.64	7.87
				10g	0.61	6.1	5.61	9.45
2026-03-30	D835V3	4d194	Head	1g	1.00	10.0	9.59	3.96
				10g	0.66	6.6	6.25	5.12
2026-03-31	D750V3	1205	Head	1g	0.83	8.3	8.64	-3.82
				10g	0.57	5.7	5.61	0.71
2026-03-31	D835V3	4d194	Head	1g	0.92	9.2	9.59	-3.75
				10g	0.62	6.2	6.25	-0.16
2026-04-01	D750V3	1205	Head	1g	0.88	8.8	8.64	1.50
				10g	0.60	6.0	5.61	6.60
2026-04-01	D835V3	4d194	Head	1g	0.95	9.5	9.59	-1.46
				10g	0.64	6.4	6.25	2.40
2026-04-02	D750V3	1205	Head	1g	0.89	8.9	8.64	2.43
				10g	0.59	5.9	5.61	4.28
2026-04-02	D835V3	4d194	Head	1g	0.93	9.3	9.59	-2.82
				10g	0.61	6.1	6.25	-2.08
2026-04-03	D750V3	1205	Head	1g	0.81	8.1	8.64	-5.90
				10g	0.53	5.3	5.61	-5.88
2026-04-03	D835V3	4d194	Head	1g	0.99	9.9	9.59	3.65
				10g	0.64	6.4	6.25	2.56
2026-04-04	D750V3	1205	Head	1g	0.88	8.8	8.64	1.50
				10g	0.59	5.9	5.61	5.53
2026-04-04	D835V3	4d194	Head	1g	0.91	9.1	9.59	-5.53
				10g	0.61	6.1	6.25	-2.72
2026-04-07	D835V3	4d194	Head	1g	0.97	9.7	9.59	1.15
				10g	0.67	6.7	6.25	6.56
2026-04-07	D1750V2	1180	Head	1g	3.82	38.2	37.00	3.24
				10g	2.14	21.4	19.70	8.63
2026-04-07	D1900V2	5d199	Head	1g	4.13	41.3	39.70	4.03
				10g	2.26	22.6	20.70	9.18
2026-04-08	D835V3	4d194	Head	1g	1.02	10.2	9.59	6.36
				10g	0.66	6.6	6.25	5.28
2026-04-09	D835V3	4d194	Head	1g	0.93	9.3	9.59	-2.82
				10g	0.62	6.2	6.25	-1.60
2026-04-10	D835V3	4d194	Head	1g	1.02	10.2	9.59	6.36
				10g	0.66	6.6	6.25	5.28
2026-04-11	D835V3	4d194	Head	1g	0.99	9.9	9.59	2.92
				10g	0.67	6.7	6.25	7.68
2026-04-13	D750V3	1122	Head	1g	0.88	8.8	8.60	2.79
				10g	0.61	6.1	5.61	8.91
2026-04-13	D835V3	4d174	Head	1g	0.95	9.5	9.44	1.06
				10g	0.66	6.6	6.09	7.55
2026-04-13	D1750V2	1180	Head	1g	3.48	34.8	37.00	-5.95
				10g	1.99	19.9	19.70	1.02
2026-04-13	D1900V2	5d190	Head	1g	3.96	39.6	39.00	1.54
				10g	2.21	22.1	20.50	7.80
2026-04-13	D2300V2	1115	Head	1g	4.65	46.5	47.80	-2.72
				10g	2.39	23.9	23.10	3.46
2026-04-13	D2450V2	960	Head	1g	5.24	52.4	51.80	1.16
				10g	2.63	26.3	24.40	7.79
2026-04-13	D2600V2	1178	Head	1g	5.40	54.0	55.70	-3.05
				10g	2.61	26.1	25.00	4.40
2026-04-14	D5GHzV2 (5600)	1325	Head	1g	8.10	81.0	81.30	-0.37
				10g	2.41	24.1	23.30	3.43
2026-04-14	D3500V2	1075	Head	1g	6.53	65.3	65.60	-0.46
				10g	2.70	27.0	25.00	8.00
2026-04-14	D3700V2	1036	Head	1g	6.94	69.4	69.40	0.00
				10g	2.76	27.6	25.60	7.81
2026-04-14	D3900V2	1069	Head	1g	6.96	69.6	69.90	-0.43
				10g	2.64	26.4	24.60	7.32

SAR 4 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			
2026-04-15	D750V3	1205	Head	1g	0.85	8.5	8.64	-2.08
				10g	0.58	5.8	5.61	2.85
2026-04-15	D835V3	4d194	Head	1g	1.00	10.0	9.59	4.28
				10g	0.68	6.8	6.25	8.80
2026-04-17	D835V3	4d194	Head	1g	0.99	9.9	9.59	2.82
				10g	0.67	6.7	6.25	7.52
2026-04-18	D835V3	4d194	Head	1g	0.97	9.7	9.59	0.63
				10g	0.66	6.6	6.25	5.60
2026-04-19	D835V3	4d194	Head	1g	0.95	9.5	9.59	-1.36
				10g	0.65	6.5	6.25	3.52
2026-04-20	D750V3	1205	Head	1g	0.88	8.8	8.64	1.27
				10g	0.59	5.9	5.61	5.17
2026-04-20	D835V3	4d194	Head	1g	0.96	9.6	9.59	-0.31
				10g	0.64	6.4	6.25	2.88
2026-04-23	D2450V2	960	Head	1g	5.20	52.0	51.80	0.39
				10g	2.60	26.0	24.40	6.56
2026-05-27	D835V3	4d194	Head	1g	1.00	10.0	9.59	3.96
				10g	0.68	6.8	6.25	8.64

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			
2026-03-03	D2600V2	1097	Head	1g	5.55	55.5	57.30	-3.14
				10g	2.50	25.0	25.60	-2.34
2026-03-04	D2600V2	1097	Head	1g	5.82	58.2	57.30	1.57
				10g	2.63	26.3	25.60	2.73
2026-03-05	D2600V2	1178	Head	1g	5.74	57.4	55.70	3.05
				10g	2.59	25.9	25.00	3.60
2026-03-06	D2600V2	1178	Head	1g	5.68	56.8	55.70	1.97
				10g	2.57	25.7	25.00	2.80
2026-03-09	D2600V2	1178	Head	1g	5.51	55.1	55.70	-1.08
				10g	2.50	25.0	25.00	0.00
2026-03-10	D2600V2	1178	Head	1g	5.62	56.2	55.70	0.90
				10g	2.56	25.6	25.00	2.40
2026-03-11	D2600V2	1178	Head	1g	5.36	53.6	55.70	-3.77
				10g	2.44	24.4	25.00	-2.40
2026-03-12	D2600V2	1178	Head	1g	5.55	55.5	55.70	-0.36
				10g	2.52	25.2	25.00	0.80
2026-03-13	D2600V2	1178	Head	1g	5.73	57.3	55.70	2.87
				10g	2.60	26.0	25.00	4.00
2026-03-16	D2600V2	1178	Head	1g	5.78	57.8	55.70	3.77
				10g	2.63	26.3	25.00	5.20
2026-03-17	D2600V2	1178	Head	1g	5.63	56.3	55.70	1.08
				10g	2.57	25.7	25.00	2.80

SAR 6 Room

Date Tested	System Dipole		T.S. Liquid	Measured Results		Target (Ref. Value)	Delta ±10 %	Plot No.	
	Type	Serial #		Zoom Scan to 100 mW	Normalize to 1 W				
2026-03-05	D1900V2	5d190	Head	1g	3.69	36.9	39.00	-5.38	10
				10g	2.03	20.3	20.50	-0.98	
2026-03-06	D1900V2	5d190	Head	1g	3.99	39.9	39.00	2.31	
				10g	2.19	21.9	20.50	6.83	
2026-03-09	D1900V2	5d190	Head	1g	3.96	39.6	39.00	1.54	
				10g	2.18	21.8	20.50	6.34	
2026-03-10	D750V3	1122	Head	1g	0.87	8.7	8.60	0.70	
				10g	0.60	6.0	5.61	6.24	
2026-03-10	D835V3	4d174	Head	1g	0.96	9.6	9.44	1.27	
				10g	0.65	6.5	6.09	7.39	
2026-03-11	D750V3	1122	Head	1g	0.88	8.8	8.60	1.86	
				10g	0.60	6.0	5.61	7.31	
2026-03-11	D835V3	4d174	Head	1g	0.97	9.7	9.44	3.18	
				10g	0.67	6.7	6.09	9.20	
2026-03-12	D750V3	1122	Head	1g	0.84	8.4	8.60	-2.44	
				10g	0.58	5.8	5.61	3.21	
2026-03-12	D835V3	4d174	Head	1g	0.90	9.0	9.44	-4.45	
				10g	0.62	6.2	6.09	1.15	
2026-03-13	D750V3	1122	Head	1g	0.84	8.4	8.60	-2.44	
				10g	0.57	5.7	5.61	2.32	
2026-03-16	D750V3	1122	Head	1g	0.85	8.5	8.60	-1.74	
				10g	0.56	5.6	5.61	-0.89	
2026-03-16	D835V3	4d174	Head	1g	0.93	9.3	9.44	-1.91	
				10g	0.61	6.1	6.09	-0.66	
2026-03-16	D750V3	1122	Head	1g	0.87	8.7	8.60	0.81	
				10g	0.57	5.7	5.61	1.07	
2026-03-16	D835V3	4d174	Head	1g	0.94	9.4	9.44	-0.85	
				10g	0.63	6.3	6.09	3.28	
2026-03-18	D750V3	1122	Head	1g	0.89	8.9	8.60	3.60	
				10g	0.59	5.9	5.61	4.28	
2026-03-18	D835V3	4d174	Head	1g	0.96	9.6	9.44	1.91	
				10g	0.63	6.3	6.09	2.96	
2026-03-19	D750V3	1122	Head	1g	0.87	8.7	8.60	1.16	
				10g	0.58	5.8	5.61	3.03	
2026-03-19	D835V3	4d174	Head	1g	0.99	9.9	9.44	5.19	
				10g	0.66	6.6	6.09	7.55	
2026-03-19	D1750V2	1125	Head	1g	3.36	33.6	36.60	-8.20	11
				10g	1.83	18.3	19.50	-7.69	
2026-03-19	D1900V2	5d190	Head	1g	4.06	40.6	39.00	0.00	
				10g	2.17	21.7	20.50	-1.95	
2026-03-20	D835V3	4d174	Head	1g	0.99	9.9	9.44	4.56	
				10g	0.66	6.6	6.09	7.88	
2026-03-20	D1750V2	1125	Head	1g	3.35	33.5	36.60	-8.20	
				10g	1.83	18.3	19.50	-7.69	
2026-03-20	D1900V2	5d190	Head	1g	4.04	40.4	39.00	0.00	
				10g	2.15	21.5	20.50	-1.95	
2026-06-02	D2600V2	1097	Head	1g	5.29	52.9	57.30	-7.68	
				10g	2.38	23.8	25.60	-7.03	
2026-06-05	D2600V2	1178	Head	1g	5.40	54.0	55.70	-3.05	
				10g	2.41	24.1	25.00	-3.60	

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			
2026-03-03	D750V3	1205	Head	1g	0.85	8.5	8.64	-1.74
				10g	0.58	5.8	5.61	3.39
2026-03-03	D835V3	4d174	Head	1g	0.94	9.4	9.44	-0.21
				10g	0.64	6.4	6.09	4.43
2026-03-04	D750V3	1122	Head	1g	0.86	8.6	8.60	-0.35
				10g	0.58	5.8	5.61	2.85
2026-03-04	D835V3	4d174	Head	1g	0.88	8.8	9.44	-7.10
				10g	0.59	5.9	6.09	-3.94
2026-03-05	D750V3	1122	Head	1g	0.85	8.5	8.60	-0.93
				10g	0.58	5.8	5.61	3.21
2026-03-05	D835V3	4d174	Head	1g	0.88	8.8	9.44	-6.78
				10g	0.60	6.0	6.09	-1.97
2026-03-06	D750V3	1122	Head	1g	0.84	8.4	8.60	-1.98
				10g	0.57	5.7	5.61	1.60
2026-03-06	D835V3	4d174	Head	1g	0.91	9.1	9.44	-3.71
				10g	0.61	6.1	6.09	-0.49
2026-03-09	D750V3	1122	Head	1g	0.86	8.6	8.60	0.35
				10g	0.60	6.0	5.61	6.24
2026-03-09	D835V3	4d174	Head	1g	0.93	9.3	9.44	-1.38
				10g	0.64	6.4	6.09	4.76
2026-03-10	D750V3	1122	Head	1g	0.81	8.1	8.60	-5.47
				10g	0.55	5.5	5.61	-1.96
2026-03-10	D835V3	4d174	Head	1g	0.88	8.8	9.44	-6.78
				10g	0.59	5.9	6.09	-3.45
2026-03-11	D750V3	1122	Head	1g	0.83	8.3	8.60	-3.84
				10g	0.55	5.5	5.61	-1.25
2026-03-11	D835V3	4d174	Head	1g	0.87	8.7	9.44	-8.05
				10g	0.58	5.8	6.09	-5.09
2026-03-12	D750V3	1122	Head	1g	0.82	8.2	8.60	-4.53
				10g	0.55	5.5	5.61	-1.43
2026-03-12	D835V3	4d174	Head	1g	0.88	8.8	9.44	-7.20
				10g	0.58	5.8	6.09	-4.27
2026-03-13	D835V3	4d174	Head	1g	0.94	9.4	9.44	-0.21
				10g	0.65	6.5	6.09	6.40
2026-03-16	D750V3	1122	Head	1g	0.82	8.2	8.60	-5.00
				10g	0.55	5.5	5.61	-2.14
2026-03-16	D835V3	4d174	Head	1g	0.89	8.9	9.44	-5.61
				10g	0.59	5.9	6.09	-2.46
2026-03-17	D750V3	1122	Head	1g	0.81	8.1	8.60	-5.93
				10g	0.55	5.5	5.61	-1.43
2026-03-17	D835V3	4d174	Head	1g	0.96	9.6	9.44	2.01
				10g	0.65	6.5	6.09	7.22
2026-03-18	D750V3	1122	Head	1g	0.83	8.3	8.60	-3.26
				10g	0.56	5.6	5.61	0.00
2026-03-18	D835V3	4d174	Head	1g	0.90	9.0	9.44	-4.98
				10g	0.60	6.0	6.09	-1.48
2026-04-02	D750V3	1122	Head	1g	0.88	8.8	8.60	2.67
				10g	0.61	6.1	5.61	8.91
2026-04-02	D835V3	4d174	Head	1g	0.95	9.5	9.44	0.53
				10g	0.65	6.5	6.09	6.90
2026-04-03	D750V3	1122	Head	1g	0.84	8.4	8.60	-2.56
				10g	0.57	5.7	5.61	1.25
2026-04-03	D835V3	4d174	Head	1g	0.88	8.8	9.44	-6.78
				10g	0.59	5.9	6.09	-3.61
2026-04-06	D750V3	1122	Head	1g	0.82	8.2	8.60	-4.30
				10g	0.57	5.7	5.61	0.89
2026-04-06	D835V3	4d174	Head	1g	0.90	9.0	9.44	-4.56
				10g	0.61	6.1	6.09	0.66
2026-04-07	CLA-13	1015	Head	1g	0.05	0.5	0.52	-2.67
				10g	0.03	0.3	0.33	-2.74

SAR 7 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			
2026/04/11	D750V3	1122	Head	1g	0.82	8.2	8.60	-5.00
				10g	0.55	5.5	5.61	-2.32
2026/04/11	D835V3	4d174	Head	1g	0.90	9.0	9.44	-5.08
				10g	0.59	5.9	6.09	-2.63
2026/04/13	D750V3	1122	Head	1g	0.82	8.2	8.60	-4.53
				10g	0.55	5.5	5.61	-1.96
2026/04/13	D835V3	4d174	Head	1g	0.92	9.2	9.44	-3.07
				10g	0.61	6.1	6.09	-0.49
2026/04/14	D750V3	1122	Head	1g	0.83	8.3	8.60	-3.37
				10g	0.57	5.7	5.61	0.89
2026/04/14	D835V3	4d174	Head	1g	0.97	9.7	9.44	2.65
				10g	0.66	6.6	6.09	7.55
2026/04/15	D750V3	1122	Head	1g	0.83	8.3	8.60	-3.14
				10g	0.55	5.5	5.61	-1.60
2026/04/15	D835V3	4d174	Head	1g	0.97	9.7	9.44	3.07
				10g	0.65	6.5	6.09	5.91
2026/04/17	D750V3	1122	Head	1g	0.85	8.5	8.60	-0.81
				10g	0.57	5.7	5.61	1.25
2026/04/18	D750V3	1122	Head	1g	0.84	8.4	8.60	-2.44
				10g	0.56	5.6	5.61	0.36
2026/04/19	D750V3	1122	Head	1g	0.80	8.0	8.60	-6.86
				10g	0.54	5.4	5.61	-4.28
2026/04/19	D835V3	4d174	Head	1g	0.90	9.0	9.44	-5.19
				10g	0.59	5.9	6.09	-2.63

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			
2026-03-04	D1900V2	5d190	Head	1g	3.79	37.9	39.00	-2.82
				10g	1.98	19.8	20.50	-3.41
2026-03-05	D1900V2	5d190	Head	1g	4.11	41.1	39.00	5.38
				10g	2.18	21.8	20.50	6.34
2026-03-06	D1750V2	1125	Head	1g	3.61	36.1	36.60	-1.37
				10g	1.97	19.7	19.50	1.03
2026-03-09	D1750V2	1125	Head	1g	3.66	36.6	36.60	0.00
				10g	2.02	20.2	19.50	3.59
2026-03-09	D1900V2	5d190	Head	1g	4.04	40.4	39.00	3.59
				10g	2.17	21.7	20.50	5.85
2026-03-10	D1750V2	1125	Head	1g	3.61	36.1	36.60	-1.37
				10g	1.98	19.8	19.50	1.54
2026-03-11	D1750V2	1125	Head	1g	3.60	36.0	36.60	-1.64
				10g	1.96	19.6	19.50	0.51
2026-03-17	D1750V2	1125	Head	1g	3.73	37.3	36.60	1.91
				10g	2.05	20.5	19.50	5.13
2026-03-17	D1900V2	5d190	Head	1g	4.13	41.3	39.00	5.90
				10g	2.21	22.1	20.50	7.80
2026-03-18	D2450V2	939	Head	1g	5.31	53.1	52.20	1.72
				10g	2.55	25.5	24.40	4.51
2026-03-19	D2450V2	939	Head	1g	5.39	53.9	52.20	3.26
				10g	2.59	25.9	24.40	6.15
2026-03-20	D2450V2	939	Head	1g	5.00	50.0	52.20	-4.21
				10g	2.41	24.1	24.40	-1.23
2026-03-23	D2450V2	939	Head	1g	5.29	52.9	52.20	1.34
				10g	2.54	25.4	24.40	4.10
2026-03-25	D2450V2	939	Head	1g	5.26	52.6	52.20	0.77
				10g	2.53	25.3	24.40	3.69
2026-03-26	D2450V2	939	Head	1g	5.10	51.0	52.20	-2.30
				10g	2.46	24.6	24.40	0.82
2026-03-27	D1750V2	1125	Head	1g	3.65	36.5	36.60	-0.27
				10g	2.01	20.1	19.50	3.08
2026-03-27	D1900V2	5d190	Head	1g	4.07	40.7	39.00	4.36
				10g	2.18	21.8	20.50	6.34
2026-03-30	D1900V2	5d190	Head	1g	4.06	40.6	39.00	4.10
				10g	2.18	21.8	20.50	6.34
2026-03-31	D1640V2	334	Head	1g	3.25	32.5	34.40	-5.52
				10g	1.82	18.2	18.80	-3.19
2026-03-31	D1900V2	5d190	Head	1g	3.83	38.3	39.00	-1.79
				10g	2.03	20.3	20.50	-0.98
2026-03-31	D2450V2	939	Head	1g	5.38	53.8	52.20	3.07
				10g	2.59	25.9	24.40	6.15
2026-04-01	D1640V2	334	Head	1g	3.21	32.1	34.40	-6.69
				10g	1.78	17.8	18.80	-5.32

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SAR 8 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			
2026-04-01	D2450V2	939	Head	1g	5.35	53.5	52.20	2.49
				10g	2.55	25.5	24.40	4.51
2026-04-01	D1750V2	1125	Head	1g	3.44	34.4	36.60	-6.01
				10g	1.87	18.7	19.50	-4.10
2026-04-01	D1900V2	5d190	Head	1g	4.05	40.5	39.00	3.85
				10g	2.15	21.5	20.50	4.88
2026-04-02	D1750V2	1125	Head	1g	3.43	34.3	36.60	-6.28
				10g	1.86	18.6	19.50	-4.62
2026-04-02	D1900V2	5d190	Head	1g	3.89	38.9	39.00	-0.26
				10g	2.06	20.6	20.50	0.49
2026-04-03	D1750V2	1125	Head	1g	3.52	35.2	36.60	-3.83
				10g	1.92	19.2	19.50	-1.54
2026-04-03	D1900V2	5d190	Head	1g	4.21	42.1	39.00	7.95
				10g	2.24	22.4	20.50	9.27
2026-04-05	D5GHzV2 (5750)	1184	Head	1g	7.66	76.6	79.90	-4.13
				10g	2.24	22.4	22.90	-2.18
2026-04-05	D5GHzV2 (5800)	1184	Head	1g	7.60	76.0	77.50	-1.94
				10g	2.21	22.1	22.20	-0.45
2026-04-06	D5GHzV2 (5750)	1184	Head	1g	8.06	80.6	79.90	0.88
				10g	2.34	23.4	22.90	2.18
2026-04-06	D5GHzV2 (5800)	1184	Head	1g	7.61	76.1	77.50	-1.81
				10g	2.19	21.9	22.20	-1.35
2026-04-06	D2450V2	939	Head	1g	5.09	50.9	52.20	-2.49
				10g	2.41	24.1	24.40	-1.23
2026-04-07	D2450V2	939	Head	1g	5.31	53.1	52.20	1.72
				10g	2.57	25.7	24.40	5.33
2026-04-07	D6.5GHzV2	1010	Head	1g	28.00	280.0	293.00	-4.44
				8g	6.56	65.6	66.00	-0.61
				10g	5.44	54.4	54.00	0.74
				APD(4cm²)	131.00	1310.0	1320.00	-0.76
2026-04-08	D6.5GHzV2	1010	Head	1g	28.30	283.0	293.00	-3.41
				8g	6.77	67.7	66.00	2.58
				10g	5.63	56.3	54.00	4.26
				APD(4cm²)	135.00	1350.0	1320.00	2.27
2026-04-09	D6.5GHzV2	1010	Head	1g	29.00	290.0	293.00	-1.02
				8g	6.85	68.5	66.00	3.79
				10g	5.67	56.7	54.00	5.00
				APD(4cm²)	137.00	1370.0	1320.00	3.79
2026-04-10	D6.5GHzV2	1010	Head	1g	28.60	286.0	293.00	-2.39
				8g	6.77	67.7	66.00	2.58
				10g	5.61	56.1	54.00	3.89
				APD(4cm²)	135.00	1350.0	1320.00	2.27

SAR 8 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			
2026-04-11	D6.5GHzV2	1010	Head	1g	29.50	295.0	293.00	0.68
				8g	6.57	65.7	66.00	-0.45
				10g	5.43	54.3	54.00	0.56
				APD(4cm²)	131.00	1310.0	1320.00	-0.76
2026-04-12	D6.5GHzV2	1010	Head	1g	29.50	295.0	293.00	0.68
				8g	6.92	69.2	66.00	4.85
				10g	5.73	57.3	54.00	6.11
				APD(4cm²)	138.00	1380.0	1320.00	4.55
2026-04-13	D6.5GHzV2	1010	Head	1g	29.60	296.0	293.00	1.02
				8g	6.92	69.2	66.00	4.85
				10g	5.73	57.3	54.00	6.11
				APD(4cm²)	138.00	1380.0	1320.00	4.55
2026-04-14	D6.5GHzV2	1010	Head	1g	28.60	286.0	293.00	-2.39
				8g	6.68	66.8	66.00	1.21
				10g	5.53	55.3	54.00	2.41
				APD(4cm²)	134.00	1340.0	1320.00	1.52
2026-04-15	D6.5GHzV2	1010	Head	1g	27.60	276.0	293.00	-5.80
				8g	6.56	65.6	66.00	-0.61
				10g	5.44	54.4	54.00	0.74
				APD(4cm²)	131.00	1310.0	1320.00	-0.76
2026-04-16	D6.5GHzV2	1010	Head	1g	29.10	291.0	293.00	-0.68
				8g	6.80	68.0	66.00	3.03
				10g	5.63	56.3	54.00	4.26
				APD(4cm²)	136.00	1360.0	1320.00	3.03
2026-04-17	D6.5GHzV2	1010	Head	1g	27.60	276.0	293.00	-5.80
				8g	6.46	64.6	66.00	-2.12
				10g	5.36	53.6	54.00	-0.74
				APD(4cm²)	129.00	1290.0	1320.00	-2.27

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			
2026-03-03	D1900V2	5d190	Head	1g	4.07	40.7	39.00	4.36
				10g	2.16	21.6	20.50	5.37
2026-03-05	D1750V2	1125	Head	1g	3.63	36.3	36.60	-0.82
				10g	1.99	19.9	19.50	2.05
2026-03-05	D1900V2	5d190	Head	1g	4.00	40.0	39.00	2.56
				10g	2.13	21.3	20.50	3.90
2026-03-06	D1900V2	5d190	Head	1g	4.12	41.2	39.00	5.64
				10g	2.20	22.0	20.50	7.32
2026-03-09	D1750V2	1125	Head	1g	3.68	36.8	36.60	0.55
				10g	2.00	20.0	19.50	2.56
2026-03-10	D1750V2	1125	Head	1g	3.51	35.1	36.60	-4.10
				10g	1.91	19.1	19.50	-2.05
2026-03-11	D1750V2	1125	Head	1g	3.52	35.2	36.60	-3.83
				10g	1.91	19.1	19.50	-2.05
2026-03-12	D2450V2	939	Head	1g	5.41	54.1	52.20	3.64
				10g	2.55	25.5	24.40	4.51
2026-03-12	D5GHzV2 (5250)	1184	Head	1g	8.43	84.3	81.20	3.82
				10g	2.43	24.3	23.20	4.74
2026-03-12	D5GHzV2 (5600)	1184	Head	1g	8.53	85.3	84.00	1.55
				10g	2.45	24.5	24.00	2.08
2026-03-12	D5GHzV2 (5750)	1184	Head	1g	8.09	80.9	79.90	1.25
				10g	2.32	23.2	22.90	1.31
2026-03-12	D5GHzV2 (5800)	1184	Head	1g	7.43	74.3	77.50	-4.13
				10g	2.13	21.3	22.20	-4.05
2026-03-13	D5GHzV2 (5600)	1184	Head	1g	8.38	83.8	84.00	-0.24
				10g	2.40	24.0	24.00	0.00
2026-03-13	D5GHzV2 (5750)	1184	Head	1g	7.94	79.4	79.90	-0.63
				10g	2.27	22.7	22.90	-0.87
2026-03-13	D5GHzV2 (5800)	1184	Head	1g	7.68	76.8	77.50	-0.90
				10g	2.20	22.0	22.20	-0.90
2026-03-16	D6.5GHzV2	1010	Head	1g	30.30	303.0	293.00	3.41
				8g	6.99	69.9	66.00	5.91
				10g	5.79	57.9	54.00	7.22
				APD(4cm ²)	140.00	1400.0	1320.00	6.06
2026-03-17	D6.5GHzV2	1010	Head	1g	28.20	282.0	293.00	-3.75
				8g	6.50	65.0	66.00	-1.52
				10g	5.39	53.9	54.00	-0.19
				APD(4cm ²)	130.00	1300.0	1320.00	-1.52
2026-03-18	D5GHzV2 (5250)	1184	Head	1g	8.12	81.2	81.20	0.00
				10g	2.35	23.5	23.20	1.29
2026-03-18	D5GHzV2 (5600)	1184	Head	1g	8.40	84.0	84.00	0.00
				10g	2.43	24.3	24.00	1.25
2026-03-19	D6.5GHzV2	1010	Head	1g	28.60	286.0	293.00	-2.39
				8g	6.61	66.1	66.00	0.15
				10g	5.48	54.8	54.00	1.48
				APD(4cm ²)	132.00	1320.0	1320.00	0.00
2026-03-20	D6.5GHzV2	1010	Head	1g	29.60	296.0	293.00	1.02
				8g	6.91	69.1	66.00	4.70
				10g	5.73	57.3	54.00	6.11
				APD(4cm ²)	138.00	1380.0	1320.00	4.55
2026-03-23	D6.5GHzV2	1010	Head	1g	30.30	303.0	293.00	3.41
				8g	7.05	70.5	66.00	6.82
				10g	5.85	58.5	54.00	8.33
				APD(4cm ²)	141.00	1410.0	1320.00	6.82

SAR 9 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			
2026-04-01	D6.5GHzV2	1010	Head	1g	29.80	298.0	293.00	1.71
				8g	6.90	69.0	66.00	4.55
				10g	5.72	57.2	54.00	5.93
				APD(4cm ²)	138.00	1380.0	1320.00	4.55
2026-04-02	D6.5GHzV2	1010	Head	1g	29.90	299.0	293.00	2.05
				8g	6.92	69.2	66.00	4.85
				10g	5.73	57.3	54.00	6.11
				APD(4cm ²)	138.00	1380.0	1320.00	4.55
2026-04-03	D6.5GHzV2	1010	Head	1g	28.80	288.0	293.00	-1.71
				8g	6.77	67.7	66.00	2.58
				10g	5.62	56.2	54.00	4.07
				APD(4cm ²)	135.00	1350.0	1320.00	2.27
2026-04-06	D6.5GHzV2	1010	Head	1g	29.00	290.0	293.00	-1.02
				8g	6.86	68.6	66.00	3.94
				10g	5.70	57.0	54.00	5.56
				APD(4cm ²)	137.00	1370.0	1320.00	3.79
2026-04-06	D8GHzV2	1012	Head	1g	27.90	279.0	273.00	2.20
				8g	5.98	59.8	56.10	6.60
				10g	4.96	49.6	45.80	8.30
				APD(4cm ²)	120.00	1200.0	1130.00	6.19
2026-04-12	D6.5GHzV2	1010	Head	1g	28.10	281.0	293.00	-4.10
				8g	6.77	67.7	66.00	2.58
				10g	5.62	56.2	54.00	4.07
				APD(4cm ²)	135.00	1350.0	1320.00	2.27
2026-04-14	D6.5GHzV2	1010	Head	1g	29.60	296.0	293.00	1.02
				8g	7.14	71.4	66.00	8.18
				10g	5.93	59.3	54.00	9.81
				APD(4cm ²)	143.00	1430.0	1320.00	8.33
2026-04-15	D6.5GHzV2	1010	Head	1g	29.20	292.0	293.00	-0.34
				8g	7.02	70.2	66.00	6.36
				10g	5.82	58.2	54.00	7.78
				APD(4cm ²)	140.00	1400.0	1320.00	6.06
2026-04-16	D6.5GHzV2	1010	Head	1g	29.20	292.0	293.00	-0.34
				8g	7.01	70.1	66.00	6.21
				10g	5.82	58.2	54.00	7.78
				APD(4cm ²)	140.00	1400.0	1320.00	6.06

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			
2026-03-04	D2300V2	1090	Head	1g	5.08	50.8	48.20	5.39
				10g	2.49	24.9	23.10	7.79
2026-03-05	D2300V2	1090	Head	1g	5.07	50.7	48.20	5.19
				10g	2.48	24.8	23.10	7.36
2026-03-06	D2300V2	1090	Head	1g	4.90	49.0	48.20	1.66
				10g	2.40	24.0	23.10	3.90
2026-03-09	D2300V2	1090	Head	1g	5.07	50.7	48.20	5.19
				10g	2.50	25.0	23.10	8.23
2026-03-10	D2300V2	1090	Head	1g	4.87	48.7	48.20	1.04
				10g	2.40	24.0	23.10	3.90
2026-03-11	D2300V2	1090	Head	1g	4.81	48.1	48.20	-0.21
				10g	2.37	23.7	23.10	2.60
2026-03-12	D2300V2	1090	Head	1g	4.92	49.2	48.20	2.07
				10g	2.43	24.3	23.10	5.19
2026-03-13	D2300V2	1090	Head	1g	4.83	48.3	48.20	0.21
				10g	2.39	23.9	23.10	3.46
2026-03-13	D2600V2	1097	Head	1g	5.49	54.9	57.30	-4.19
				10g	2.63	26.3	25.60	2.73
2026-03-16	D2600V2	1097	Head	1g	5.57	55.7	57.30	-2.79
				10g	2.58	25.8	25.60	0.78
2026-03-17	D2600V2	1097	Head	1g	5.66	56.6	57.30	-1.22
				10g	2.64	26.4	25.60	3.13
2026-03-18	D2600V2	1097	Head	1g	5.85	58.5	57.30	2.09
				10g	2.73	27.3	25.60	6.64
2026-03-19	D2600V2	1097	Head	1g	5.79	57.9	57.30	1.05
				10g	2.71	27.1	25.60	5.86
2026-03-20	D2600V2	1097	Head	1g	5.95	59.5	57.30	3.84
				10g	2.80	28.0	25.60	9.37
2026-03-23	D2600V2	1097	Head	1g	5.59	55.9	57.30	-2.44
				10g	2.63	26.3	25.60	2.73
2026-03-24	D2600V2	1097	Head	1g	5.47	54.7	57.30	-4.54
				10g	2.58	25.8	25.60	0.78
2026-03-25	D2600V2	1097	Head	1g	5.58	55.8	57.30	-2.62
				10g	2.61	26.1	25.60	1.95
2026-03-27	D2600V2	1097	Head	1g	5.74	57.4	57.30	0.17
				10g	2.69	26.9	25.60	5.08
2026-03-31	D3500V2	1075	Head	1g	6.19	61.9	65.60	-5.64
				10g	2.49	24.9	25.00	-0.40
2026-04-01	D3500V2	1075	Head	1g	6.36	63.6	65.60	-3.05
				10g	2.56	25.6	25.00	2.40
2026-04-01	D3700V2	1036	Head	1g	6.60	66.0	69.40	-4.90
				10g	2.63	26.3	25.60	2.73
2026-04-01	D3900V2	1069	Head	1g	6.71	67.1	69.90	-4.01
				10g	2.48	24.8	24.60	0.81
2026-04-02	D3500V2	1075	Head	1g	6.25	62.5	65.60	-4.73
				10g	2.46	24.6	25.00	-1.60
2026-04-02	D3700V2	1036	Head	1g	6.61	66.1	69.40	-4.76
				10g	2.50	25.0	25.60	-2.34
2026-04-02	D3900V2	1069	Head	1g	6.73	67.3	69.90	-3.72
				10g	2.44	24.4	24.60	-0.81
2026-04-03	D2300V2	1090	Head	1g	4.91	49.1	48.20	1.87
				10g	2.45	24.5	23.10	6.06
2026-04-03	D2600V2	1097	Head	1g	5.75	57.5	57.30	0.35
				10g	2.70	27.0	25.60	5.47
2026-04-06	D2300V2	1090	Head	1g	4.99	49.9	48.20	3.53
				10g	2.47	24.7	23.10	6.93
2026-04-06	D2600V2	1097	Head	1g	5.98	59.8	57.30	4.36
				10g	2.79	27.9	25.60	8.98
2026-04-07	D2300V2	1090	Head	1g	4.87	48.7	48.20	1.04
				10g	2.42	24.2	23.10	4.76
2026-04-07	D2600V2	1097	Head	1g	5.75	57.5	57.30	0.35
				10g	2.69	26.9	25.60	5.08
2026-06-02	D2600V2	1097	Head	1g	5.48	54.8	57.30	-4.36
				10g	2.66	26.6	25.60	3.91
2026-06-05	D2600V2	1097	Head	1g	5.64	56.4	57.30	-1.57
				10g	2.62	26.2	25.60	2.34

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			
2026-03-03	D3500V2	1075	Head	1g	6.42	64.2	65.60	-2.13
				10g	2.48	24.8	25.00	-0.80
2026-03-03	D3700V2	1036	Head	1g	6.89	68.9	69.40	-0.72
				10g	2.56	25.6	25.60	0.00
2026-03-04	D2600V2	1097	Head	1g	5.47	54.7	54.80	-0.18
				10g	2.47	24.7	24.60	0.41
2026-03-06	D2600V2	1097	Head	1g	5.95	59.5	57.30	3.84
				10g	2.67	26.7	25.60	4.30
2026-03-11	D2600V2	1097	Head	1g	5.54	55.4	57.30	-3.32
				10g	2.63	26.3	25.60	2.73
2026-03-12	D2600V2	1097	Head	1g	5.55	55.5	57.30	-3.14
				10g	2.70	27.0	25.60	5.47
2026-03-13	D3500V2	1075	Head	1g	6.29	62.9	65.60	-4.12
				10g	2.61	26.1	25.00	4.40
2026-03-13	D3700V2	1036	Head	1g	6.38	63.8	69.40	-8.07
				10g	2.63	26.3	25.60	2.73
2026-03-17	D3500V2	1075	Head	1g	6.43	64.3	65.60	-1.98
				10g	2.70	27.0	25.00	8.00
2026-03-17	D3700V2	1036	Head	1g	6.75	67.5	69.40	-2.74
				10g	2.76	27.6	25.60	7.81
2026-03-19	D3500V2	1075	Head	1g	6.34	63.4	65.60	-3.35
				10g	2.57	25.7	25.00	2.80
2026-03-19	D3700V2	1036	Head	1g	6.92	69.2	69.40	-0.29
				10g	2.76	27.6	25.60	7.81
2026-03-19	D3900V2	1069	Head	1g	6.93	69.3	69.90	-0.86
				10g	2.68	26.8	24.60	8.94
2026-03-20	D3500V2	1075	Head	1g	6.48	64.8	65.60	-1.22
				10g	2.68	26.8	25.00	7.20
2026-03-20	D3700V2	1036	Head	1g	6.72	67.2	69.40	-3.17
				10g	2.72	27.2	25.60	6.25
2026-03-20	D3900V2	1069	Head	1g	6.95	69.5	69.90	-0.57
				10g	2.67	26.7	24.60	8.54
2026-03-23	D3500V2	1075	Head	1g	6.45	64.5	65.60	-1.68
				10g	2.70	27.0	25.00	8.00
2026-03-23	D3700V2	1036	Head	1g	6.67	66.7	69.40	-3.89
				10g	2.75	27.5	25.60	7.42
2026-03-23	D3900V2	1069	Head	1g	6.91	69.1	69.90	-1.14
				10g	2.67	26.7	24.60	8.54
2026-03-24	D3500V2	1075	Head	1g	6.43	64.3	65.60	-1.98
				10g	2.69	26.9	25.00	7.60
2026-03-24	D3700V2	1036	Head	1g	6.90	69.0	69.40	-0.58
				10g	2.79	27.9	25.60	8.98
2026-03-24	D3900V2	1069	Head	1g	6.80	68.0	69.90	-2.72
				10g	2.61	26.1	24.60	6.10
2026-03-25	D3500V2	1075	Head	1g	6.23	62.3	65.60	-5.03
				10g	2.59	25.9	25.00	3.60
2026-03-25	D3700V2	1036	Head	1g	6.71	67.1	69.40	-3.31
				10g	2.73	27.3	25.60	6.64
2026-03-25	D3900V2	1069	Head	1g	6.76	67.6	69.90	-3.29
				10g	2.58	25.8	24.60	4.88
2026-03-26	D3500V2	1075	Head	1g	6.44	64.4	65.60	-1.83
				10g	2.67	26.7	25.00	6.80
2026-03-26	D3700V2	1036	Head	1g	6.89	68.9	69.40	-0.72
				10g	2.76	27.6	25.60	7.81
2026-03-26	D3900V2	1069	Head	1g	6.78	67.8	69.90	-3.00
				10g	2.58	25.8	24.60	4.88
2026-03-27	D3500V2	1075	Head	1g	6.40	64.0	65.60	-2.44
				10g	2.64	26.4	25.00	5.60
2026-03-27	D3700V2	1036	Head	1g	6.74	67.4	69.40	-2.88
				10g	2.72	27.2	25.60	6.25
2026-03-27	D3900V2	1069	Head	1g	6.77	67.7	69.90	-3.15
				10g	2.59	25.9	24.60	5.28
2026-03-31	D3500V2	1075	Head	1g	6.54	65.4	65.60	-0.30
				10g	2.65	26.5	25.00	6.00
2026-03-31	D3700V2	1036	Head	1g	7.08	70.8	69.40	2.02
				10g	2.78	27.8	25.60	8.59
2026-03-31	D3900V2	1069	Head	1g	6.65	66.5	69.90	-4.86
				10g	2.48	24.8	24.60	0.81

SAR 11 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			
2026-04-14	D750V3	1205	Head	1g	0.88	8.8	1.85	
				10g	0.60	6.0	7.66	
2026-04-14	D835V3	4d174	Head	1g	0.98	9.8	3.50	
				10g	0.67	6.7	9.36	
2026-04-17	D835V3	4d174	Head	1g	0.99	9.9	4.66	23
				10g	0.65	6.5	6.57	

8.3. IPD System Check

Per Nov 2017,TCB Workshop

System validation is required before a system is deployed for measurement

System check is also required before each series of continuous measurement and, as applicable, repeated at least weekly

Peak and spatially averaged power density at the peak location(s) must be compared to calibrated results according to the defined test conditions

- the same spatial resolution and measurement region used in the waveguide calibration should be applied to system validation and system check
- 4 cm² spatial averaging have been used according to FCC requirement.
- power density distribution should also be verified, both spatially (shape) and numerically (level) through visual inspection for noticeable differences
- The Horn antenna input power (forward power) was 100mW.
- The measured psPDn+, psPDtot+, and psPDmod+ values over 1 cm² or 4 cm² for the desired averaging geometry are compared to the calibrated value and expected to be within $\pm 10\%$.

Reference Target PD Values

Per the manufacturer's guide, the target value of the calibration report was converted to a value of 100mW input power.

5G verification Source	Serial No.	Cal. Due Date	Freq. (MHz)	Averaging area	Prad (mW)	Input power (mW)	Target PD Values (W/m ²)		Note
							1 cm ²	4 cm ²	
10GHz	1022	2027-03-12	10000	Circular	93.3		57.10	53.40	Cal.report target
10GHz	1022	2027-03-12	10000	Circular		100	61.20	57.23	Convert target from Cal.report

SAR 9 Room

Date	Sorce SN	Sorce Cal. Due Data	Input Power (mW)	Measured Results for 1cm ² (W/m ²)	Target (Ref. Value) (W/m ²)	Delta $\pm 10\%$	Measured Total psPD for 4cm ² (W/m ²)	Target (Ref. Value) (W/m ²)	Delta $\pm 10\%$	visual inspection	Plot No.
2026-04-09	1022	2027-03-12	100.0	59.3	61.20	-3.11	54.8	57.23	-4.25	confirmed	
2026-04-10	1022	2027-03-12	100.0	64.3	61.20	5.06	58.9	57.23	2.91	confirmed	
2026-04-11	1022	2027-03-12	100.0	58.2	61.20	-4.9	54.4	57.23	-4.95	confirmed	
2026-04-13	1022	2027-03-12	100.0	58.5	61.20	-4.41	54.3	57.23	-5.13	confirmed	
2026-04-14	1022	2027-03-12	100.0	58.2	61.20	-4.9	53.8	57.23	-6.00	confirmed	24

Note(s):

psPD value used the ps_{tot} avg value of test result plot.

9. Conducted Output Power Measurements

9.1. GSM

GSM850 (Ant. A& Ant. A+B) Measured Results

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)			
					DSI = 0,1				DSI = 2,3			
					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	128	824.2	30.22	21.03	31.5	22.3	31.98	22.79	33.5	24.3
			190	836.6	30.37	21.18			32.11	22.92		
			251	848.8	31.38	22.19			32.48	23.29		
GPRS (GMSK)	CS1	1	128	824.2	30.21	21.02	31.5	22.3	32.11	22.92	33.5	24.3
			190	836.6	30.31	21.12			32.25	23.06		
			251	848.8	31.28	22.09			32.41	23.22		
		2	128	824.2	27.09	20.91	28.5	22.3	31.83	25.65	32.5	26.3
			190	836.6	27.43	21.25			31.42	25.24		
			251	848.8	27.47	21.29			31.35	25.17		
		3	128	824.2	25.40	20.98	26.7	22.3	29.31	24.89	30.5	26.1
			190	836.6	25.47	21.05			29.43	25.01		
			251	848.8	25.43	21.01			29.14	24.72		
		4	128	824.2	24.38	21.21	25.5	22.3	27.84	24.67	28.5	25.3
			190	836.6	24.63	21.46			27.78	24.61		
			251	848.8	24.62	21.45			27.65	24.48		
EGPRS (8PSK)	MCS5	1	128	824.2	26.51	17.32	28.0	18.8	26.51	17.32	28.0	18.8
			190	836.6	27.18	17.99			27.24	18.05		
			251	848.8	27.16	17.97			27.20	18.01		
		2	128	824.2	24.77	18.59	26.0	19.8	24.85	18.67	26.0	19.8
			190	836.6	24.78	18.60			24.93	18.75		
			251	848.8	24.80	18.62			24.95	18.77		
		3	128	824.2	22.74	18.32	24.0	19.6	22.82	18.40	24.0	19.6
			190	836.6	22.83	18.41			23.06	18.64		
			251	848.8	22.76	18.34			22.98	18.56		
		4	128	824.2	21.68	18.51	23.0	19.8	21.81	18.64	23.0	19.8
			190	836.6	21.94	18.77			22.37	19.20		
			251	848.8	22.39	19.22			22.53	19.36		

GSM850 (Ant.D) Measured Results

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)			
					DSI = 0,1				DSI = 2,3			
					Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pw r	Frame Pw r	Burst Pw r	Frame Pw r	Burst Pw r	Frame Pw r	Burst Pw r	Frame Pw r
GSM (Voice)	CS1	1	128	824.2	28.68	19.49	30.5	21.3	31.45	22.26	33.5	24.3
			190	836.6	28.65	19.46			32.28	23.09		
			251	848.8	28.72	19.53			32.33	23.14		
GPRS (GMSK)	CS1	1	128	824.2	28.67	19.48	30.5	21.3	32.13	22.94	33.5	24.3
			190	836.6	28.87	19.68			32.35	23.16		
			251	848.8	28.76	19.57			32.16	22.97		
		2	128	824.2	25.67	19.49	26.5	20.3	29.88	23.70	31.5	25.3
			190	836.6	25.75	19.57			29.82	23.64		
			251	848.8	25.65	19.47			30.20	24.02		
		3	128	824.2	23.80	19.38	25.5	21.1	28.57	24.15	30.5	26.1
			190	836.6	24.09	19.67			28.61	24.19		
			251	848.8	24.05	19.63			28.51	24.09		
		4	128	824.2	22.00	18.83	24.0	20.8	27.00	23.83	28.5	25.3
			190	836.6	23.30	20.13			27.06	23.89		
			251	848.8	22.43	19.26			26.46	23.29		
EGPRS (8PSK)	MCS5	1	128	824.2	26.10	16.91	28.0	18.8	26.23	17.04	28.0	18.8
			190	836.6	25.84	16.65			26.37	17.18		
			251	848.8	26.10	16.91			26.32	17.13		
		2	128	824.2	24.58	18.40	26.0	19.8	24.36	18.18	26.0	19.8
			190	836.6	24.37	18.19			24.82	18.64		
			251	848.8	24.41	18.23			24.60	18.42		
		3	128	824.2	22.35	17.93	24.0	19.6	22.49	18.07	24.0	19.6
			190	836.6	22.70	18.28			22.71	18.29		
			251	848.8	22.51	18.09			22.75	18.33		
		4	128	824.2	21.67	18.50	23.0	19.8	21.61	18.44	23.0	19.8
			190	836.6	21.66	18.49			21.77	18.60		
			251	848.8	21.34	18.17			21.90	18.73		

GSM1900 (Ant.B) Measured Results

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)				Maximum Allowed Average Power (dBm)			
					DSI = 0, 2				DSI = 1				DSI = 3			
					Measured		Tune-up Limit		Measured		Tune-up Limit		Measured		Tune-up Limit	
					Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr	Burst Pwr	Frame Pwr
GSM (Voice)	CS1	1	512	1850.2	24.88	15.69	26.5	17.3	28.46	19.27	28.5	19.3	30.65	21.46	31.5	22.3
			661	1880.0	24.85	15.66			28.38	19.19			30.43	21.24		
			810	1909.8	25.27	16.08			28.42	19.23			30.46	21.27		
			512	1850.2	25.57	16.38			28.45	19.26			30.70	21.51		
GPRS (GMSK)	CS1	1	661	1880.0	24.81	15.62	26.5	17.3	28.47	19.28	28.5	19.3	30.45	21.26	31.5	22.3
			810	1909.8	25.24	16.05			28.48	19.29			30.48	21.29		
			512	1850.2	22.62	16.44			25.48	19.30			28.31	22.13		
		2	661	1880.0	22.08	15.90	23.5	17.3	25.31	19.13	25.5	19.3	27.96	21.78	29.5	23.3
			810	1909.8	22.03	15.85			25.27	19.09			27.83	21.65		
			512	1850.2	20.77	16.35			22.31	17.89			27.35	22.93		
		3	661	1880.0	20.29	15.87	21.7	17.3	22.93	18.51	23.7	19.3	26.97	22.55	27.5	23.1
			810	1909.8	20.29	15.87			22.88	18.46			26.94	22.52		
			512	1850.2	19.53	16.36			22.15	18.98			25.42	22.25		
		4	661	1880.0	19.28	16.11	20.5	17.3	21.70	18.53	22.5	19.3	24.89	21.72	26.0	22.8
			810	1909.8	19.22	16.05			21.72	18.55			24.84	21.67		
			512	1850.2	25.57	16.38			26.21	17.02			26.36	17.17		
EGPRS (8PSK)	MCS5	1	661	1880.0	25.44	16.25	26.5	17.3	25.93	16.74	27.0	17.8	26.11	16.92	27.0	17.8
			810	1909.8	25.44	16.25			25.80	16.61			25.95	16.76		
			512	1850.2	22.61	16.43			24.05	17.87			24.21	18.03		
		2	661	1880.0	22.11	15.93	23.5	17.3	23.91	17.73	25.0	18.8	24.03	17.85	25.0	18.8
			810	1909.8	22.12	15.94			23.61	17.43			23.83	17.65		
			512	1850.2	20.70	16.28			22.63	18.21			22.74	18.32		
		3	661	1880.0	20.20	15.78	21.7	17.3	22.43	18.01	23.0	18.6	22.56	18.14	23.0	18.6
			810	1909.8	20.31	15.89			22.21	17.79			22.31	17.89		
			512	1850.2	19.48	16.31			21.43	18.26			21.45	18.28		
		4	661	1880.0	19.11	15.94	20.5	17.3	21.40	18.23	21.5	18.3	21.43	18.26	21.5	18.3
			810	1909.8	18.98	15.81			21.19	18.02			21.31	18.14		
			512	1850.2	25.57	16.38			26.21	17.02			26.36	17.17		

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
HSDPA Specific Settings	CM (dB)	1	3	2	3	1
	MPR (dB)	0	2	1	2	0
	DACK	8				0
	DNAK	8				0
	DCQI	8				0
	Ack-Nack repetition factor	3				
	CQI Feedback (Table 5.2B.4)	4ms				
HSUPA Specific Settings	CQI Repetition Factor (Table 5.2B.4)	2				
	A _{hs} = β_{hs}/β_c	30/15				
	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

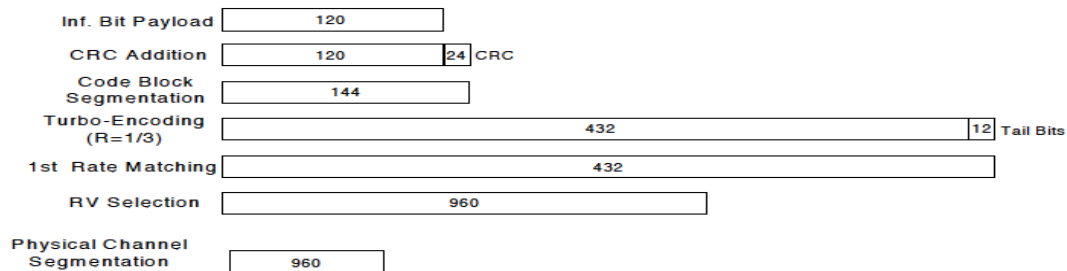
Parameter During Connection setup	Unit	Value
P-CPICH E_c/I_{or}	dB	-10
P-CCPCH and SCH E_c/I_{or}	dB	-12
PICH E_c/I_{or}	dB	-15
HS-PDSCH	dB	off
HS-SCCH_1	dB	off
DPCH E_c/I_{or}	dB	-5
OCNS E_c/I_{or}	dB	-3.1

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
	β_{hs}	4/15	24/15	30/15	30/15
HSDPA Specific Settings	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.F) Measured Results

Mode		UL Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)			Maximum Allowed Average Power (dBm)			Maximum Allowed Average Power (dBm)		
				DSI = 0, 2			DSI = 1			DSI = 3		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	15.76	N/A	16.5	16.76	N/A	17.5	21.15	N/A	21.5
		9400	1880.0	15.68			16.70			21.11		
		9538	1907.6	15.70			16.68			21.08		
HSDPA	Subtest 1	9262	1852.4	14.77	0	15.5	15.70	0	16.5	20.06	0	20.5
		9400	1880.0	14.69			15.60			20.07		
		9538	1907.6	14.65			15.56			20.04		
	Subtest 2	9262	1852.4	14.69	0	15.5	15.56	0	16.5	20.00	0	20.5
		9400	1880.0	14.67			15.45			19.93		
		9538	1907.6	14.74			15.42			19.95		
	Subtest 3	9262	1852.4	14.28	0.5	15.0	14.96	0.5	16.0	19.42	0.5	20.0
		9400	1880.0	14.27			14.87			19.26		
		9538	1907.6	14.22			14.98			19.40		
	Subtest 4	9262	1852.4	14.21	0.5	15.0	14.94	0.5	16.0	19.35	0.5	20.0
		9400	1880.0	14.23			14.89			19.35		
		9538	1907.6	14.19			14.92			19.29		
HSUPA	Subtest 1	9262	1852.4	14.79	0	15.5	15.72	0	16.5	20.18	0	20.5
		9400	1880.0	14.70			15.64			20.06		
		9538	1907.6	14.68			15.68			20.13		
	Subtest 2	9262	1852.4	12.75	2	13.5	13.70	2	14.5	18.25	2	18.5
		9400	1880.0	12.68			13.72			18.15		
		9538	1907.6	12.71			13.61			18.10		
	Subtest 3	9262	1852.4	13.69	1	14.5	14.76	1	15.5	19.14	1	19.5
		9400	1880.0	13.72			14.67			19.03		
		9538	1907.6	13.75			14.68			19.16		
	Subtest 4	9262	1852.4	12.69	2	13.5	13.78	2	14.5	18.21	2	18.5
		9400	1880.0	12.70			13.71			18.09		
		9538	1907.6	12.74			13.70			18.09		
	Subtest 5	9262	1852.4	14.78	0	15.5	15.77	0	16.5	20.16	0	20.5
		9400	1880.0	14.72			15.72			20.17		
		9538	1907.6	14.71			15.71			20.15		
DC-HSDPA	Subtest 1	9262	1852.4	14.71	0	15.5	15.62	0	16.5	20.06	0	20.5
		9400	1880.0	14.64			15.64			20.03		
		9538	1907.6	14.70			15.35			19.97		
	Subtest 2	9262	1852.4	14.79	0	15.5	15.73	0	16.5	20.14	0	20.5
		9400	1880.0	14.70			15.74			20.09		
		9538	1907.6	14.59			15.70			20.10		
	Subtest 3	9262	1852.4	14.27	0.5	15.0	15.22	0.5	16.0	19.58	0.5	20.0
		9400	1880.0	14.23			15.16			19.57		
		9538	1907.6	14.25			15.21			19.39		
	Subtest 4	9262	1852.4	14.29	0.5	15.0	15.14	0.5	16.0	19.64	0.5	20.0
		9400	1880.0	14.23			15.21			19.61		
		9538	1907.6	14.25			15.12			19.60		

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

Mode		UL Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)			Maximum Allowed Average Power (dBm)		
				DSI = 0, 1, 2			DSI = 3		
				Measured Pwr	MPR	Tune-up Limit	Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	15.49	N/A	16.5	19.01	N/A	20.0
		1413	1732.6	15.44			18.96		
		1513	1752.6	15.36			18.80		
HSDPA	Subtest 1	1312	1712.4	14.54	0	15.5	18.05	0	19.0
		1413	1732.6	14.43			17.88		
		1513	1752.6	14.35			17.87		
	Subtest 2	1312	1712.4	14.42	0	15.5	17.93	0	19.0
		1413	1732.6	14.35			17.82		
		1513	1752.6	14.18			17.72		
	Subtest 3	1312	1712.4	13.84	0.5	15.0	17.30	0.5	18.5
		1413	1732.6	13.79			17.28		
		1513	1752.6	13.62			17.17		
	Subtest 4	1312	1712.4	13.78	0.5	15.0	17.32	0.5	18.5
		1413	1732.6	13.74			17.30		
		1513	1752.6	13.60			17.13		
HSUPA	Subtest 1	1312	1712.4	14.51	0	15.5	18.09	0	19.0
		1413	1732.6	14.46			17.85		
		1513	1752.6	14.36			17.90		
	Subtest 2	1312	1712.4	12.56	2	13.5	16.04	2	17.0
		1413	1732.6	12.42			15.96		
		1513	1752.6	12.43			15.91		
	Subtest 3	1312	1712.4	13.65	1	14.5	17.02	1	18.0
		1413	1732.6	13.47			17.10		
		1513	1752.6	13.45			16.88		
	Subtest 4	1312	1712.4	12.61	2	13.5	16.09	2	17.0
		1413	1732.6	12.48			16.02		
		1513	1752.6	12.39			15.89		
	Subtest 5	1312	1712.4	14.61	0	15.5	18.10	0	19.0
		1413	1732.6	14.50			18.08		
		1513	1752.6	14.42			17.94		
DC-HSDPA	Subtest 1	1312	1712.4	14.55	0	15.5	17.60	0	19.0
		1413	1732.6	14.46			17.99		
		1513	1752.6	14.36			17.87		
	Subtest 2	1312	1712.4	14.57	0	15.5	18.12	0	19.0
		1413	1732.6	14.51			18.05		
		1513	1752.6	14.41			17.91		
	Subtest 3	1312	1712.4	14.07	0.5	15.0	17.60	0.5	18.5
		1413	1732.6	14.03			17.56		
		1513	1752.6	13.87			17.44		
	Subtest 4	1312	1712.4	14.10	0.5	15.0	17.62	0.5	18.5
		1413	1732.6	14.02			17.54		
		1513	1752.6	14.00			17.46		

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

Mode		UL Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)			Maximum Allowed Average Power (dBm)		
				DSI = 0, 1			DSI = 2,3		
				Measured Pwr	MFR	Tune-up Limit	Measured Pwr	MFR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	4132	826.4	22.34	N/A	23.0	24.65	N/A	25.3
		4183	836.6	22.22			24.48		
		4233	846.6	22.25			24.51		
HSDPA	Subtest 1	4132	826.4	21.40	0	22.0	23.66	0	24.3
		4183	836.6	21.22			23.50		
		4233	846.6	21.24			23.54		
	Subtest 2	4132	826.4	21.37	0	22.0	23.65	0	24.3
		4183	836.6	21.22			23.51		
		4233	846.6	21.21			23.52		
	Subtest 3	4132	826.4	20.82	0.5	21.5	23.13	0.5	23.8
		4183	836.6	20.73			22.98		
		4233	846.6	20.72			23.02		
	Subtest 4	4132	826.4	20.74	0.5	21.5	23.15	0.5	23.8
		4183	836.6	20.70			23.04		
		4233	846.6	20.72			23.03		
HSUPA	Subtest 1	4132	826.4	21.35	0	22.0	23.63	0	24.3
		4183	836.6	21.23			23.54		
		4233	846.6	21.21			23.53		
	Subtest 2	4132	826.4	19.38	2	20.0	21.64	2	22.3
		4183	836.6	19.22			21.55		
		4233	846.6	19.23			21.51		
	Subtest 3	4132	826.4	20.33	1	21.0	22.61	1	23.3
		4183	836.6	20.22			22.50		
		4233	846.6	20.21			22.53		
	Subtest 4	4132	826.4	19.36	2	20.0	21.63	2	22.3
		4183	836.6	19.21			21.52		
		4233	846.6	19.21			21.51		
	Subtest 5	4132	826.4	20.89	0	22.0	23.17	0	24.3
		4183	836.6	20.80			23.10		
		4233	846.6	20.78			23.08		
DC-HSDPA	Subtest 1	4132	826.4	21.33	0	22.0	23.64	0	24.3
		4183	836.6	21.20			23.53		
		4233	846.6	21.23			23.51		
	Subtest 2	4132	826.4	21.35	0	22.0	23.61	0	24.3
		4183	836.6	21.22			23.52		
		4233	846.6	21.21			23.53		
	Subtest 3	4132	826.4	20.87	0.5	21.5	23.17	0.5	23.8
		4183	836.6	20.72			23.04		
		4233	846.6	20.71			23.03		
	Subtest 4	4132	826.4	20.83	0.5	21.5	23.15	0.5	23.8
		4183	836.6	20.68			23.05		
		4233	846.6	20.73			23.05		

W-CDMA Band V (Ant.D) Measured Results

Mode		UL Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)			Maximum Allowed Average Power (dBm)		
				DSI = 0, 1			DSI = 2,3		
				Measured Pwr	MFR	Tune-up Limit	Measured Pwr	MFR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	4132	826.4	20.17	N/A	22.0	23.75	N/A	25.3
		4183	836.6	20.12			23.67		
		4233	846.6	20.02			23.76		
HSDPA	Subtest 1	4132	826.4	19.08	0	21.0	22.75	0	24.3
		4183	836.6	18.95			22.69		
		4233	846.6	18.98			22.72		
	Subtest 2	4132	826.4	19.08	0	21.0	22.77	0	24.3
		4183	836.6	18.95			22.67		
		4233	846.6	18.98			22.71		
	Subtest 3	4132	826.4	18.61	0.5	20.5	22.25	0.5	23.8
		4183	836.6	18.43			22.18		
		4233	846.6	18.50			22.23		
	Subtest 4	4132	826.4	18.56	0.5	20.5	22.27	0.5	23.8
		4183	836.6	18.44			22.14		
		4233	846.6	18.47			22.22		
HSUPA	Subtest 1	4132	826.4	19.10	0	21.0	22.79	0	24.3
		4183	836.6	18.91			22.67		
		4233	846.6	18.98			22.74		
	Subtest 2	4132	826.4	17.09	2	19.0	20.78	2	22.3
		4183	836.6	16.93			20.69		
		4233	846.6	16.99			20.73		
	Subtest 3	4132	826.4	18.11	1	20.0	21.77	1	23.3
		4183	836.6	17.94			21.68		
		4233	846.6	18.00			21.77		
	Subtest 4	4132	826.4	17.10	2	19.0	20.81	2	22.3
		4183	836.6	16.94			20.69		
		4233	846.6	17.00			20.75		
	Subtest 5	4132	826.4	18.66	0	21.0	22.35	0	24.3
		4183	836.6	18.53			22.24		
		4233	846.6	18.57			22.29		
DC-HSDPA	Subtest 1	4132	826.4	19.11	0	21.0	22.78	0	24.3
		4183	836.6	18.98			22.67		
		4233	846.6	18.99			22.73		
	Subtest 2	4132	826.4	19.10	0	21.0	22.77	0	24.3
		4183	836.6	18.91			22.69		
		4233	846.6	18.98			22.71		
	Subtest 3	4132	826.4	18.66	0.5	20.5	22.25	0.5	23.8
		4183	836.6	18.45			22.18		
		4233	846.6	18.50			22.20		
	Subtest 4	4132	826.4	18.64	0.5	20.5	22.32	0.5	23.8
		4183	836.6	18.47			22.18		
		4233	846.6	18.48			22.24		

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:

- The maximum output power, including tolerance, for the smaller band must be ≤ the larger band to qualify for the SAR test exclusion.
- The channel bandwidth and other operating parameters for the smaller band must be fully supported by the larger band.
 - LTE Band 2 (1850 – 1910 MHz) is covered by LTE Band 25 (1850 – 1915 MHz)
 - LTE Band 4 (1710 – 1755 MHz) is covered by LTE Band 66 (1710 – 1780 MHz)
 - LTE Band 38 (2570 - 2620 MHz) is covered by LTE Band 41 (2500 – 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.

This section only summarizes output power of largest bandwidth. For other lower bandwidths' output power results, refer to Appendix G.

LTE Band 71 (Ant. A& Ant. A+B) 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 Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
					133297 680.5 MHz					133297 680.5 MHz			
20 MHz	QPSK	1	0		22.37		0.0	23		24.63		0.0	25.5
		1	49		22.15		0.0	23		24.41		0.0	25.5
		1	99		22.22		0.0	23		23.14		0.0	25.5
		50	0		22.28		0.0	23		23.52		1.0	24.5
		50	24		22.11		0.0	23		23.51		1.0	24.5
		50	50		22.20		0.0	23		23.42		1.0	24.5
		100	0		22.15		0.0	23		23.35		1.0	24.5
	16QAM	1	0		22.54		0.0	23		22.65		1.0	24.5
		1	49		22.53		0.0	23		23.71		1.0	24.5
		1	99		22.63		0.0	23		22.50		1.0	24.5
		50	0		22.22		0.0	23		22.49		2.0	23.5
		50	24		22.32		0.0	23		22.48		2.0	23.5
		50	50		22.17		0.0	23		22.49		2.0	23.5
		100	0		22.28		0.0	23		22.47		2.0	23.5
	64QAM	1	0		21.85		0.0	23		21.82		2.0	23.5
		1	49		22.18		0.0	23		22.68		2.0	23.5
		1	99		21.41		0.0	23		21.43		2.0	23.5
		50	0		21.47		0.5	22.5		21.47		3.0	22.5
		50	24		21.47		0.5	22.5		21.47		3.0	22.5
		50	50		21.43		0.5	22.5		21.43		3.0	22.5
		100	0		21.39		0.5	22.5		21.49		3.0	22.5
	256QAM	1	0		19.59		2.5	20.5		18.98		5.0	20.5
		1	49		19.45		2.5	20.5		20.20		5.0	20.5
		1	99		18.26		2.5	20.5		18.02		5.0	20.5
		50	0		19.39		2.5	20.5		19.38		5.0	20.5
		50	24		19.48		2.5	20.5		19.37		5.0	20.5
		50	50		19.36		2.5	20.5		19.38		5.0	20.5
		100	0		19.41		2.5	20.5		19.52		5.0	20.5

LTE Band 71 (Ant. D) 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 = 0					DSI = 1					DSI = 2, 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					133297					133297					133297			
20 MHz	QPSK	1	0		21.94		0.0	23.0		22.73		0.0	24.0		23.23		0.0	25
		1	49		21.99		0.0	23.0		22.58		0.0	24.0		24.30		0.0	25
		1	99		21.59		0.0	23.0		22.29		0.0	24.0		23.91		0.0	25
		50	0		21.94		0.0	23.0		22.55		0.0	24.0		23.32		1.0	24
		50	24		21.87		0.0	23.0		22.79		0.0	24.0		23.26		1.0	24
		50	50		21.86		0.0	23.0		22.57		0.0	24.0		23.23		1.0	24
		100	0		21.83		0.0	23.0		22.58		0.0	24.0		23.24		1.0	24
	16QAM	1	0		22.28		0.0	23.0		22.22		0.0	24.0		22.40		1.0	24
		1	49		21.93		0.0	23.0		22.72		0.0	24.0		23.59		1.0	24
		1	99		21.19		0.0	23.0		21.60		0.0	24.0		22.83		1.0	24
		50	0		21.94		0.0	23.0		22.24		1.0	23.0		22.37		2.0	23
		50	24		21.84		0.0	23.0		22.31		1.0	23.0		22.25		2.0	23
		50	50		21.76		0.0	23.0		22.25		1.0	23.0		22.21		2.0	23
		100	0		21.82		0.0	23.0		22.29		1.0	23.0		22.29		2.0	23
	64QAM	1	0		21.28		0.0	23.0		21.00		1.0	23.0		21.34		2.0	23
		1	49		22.23		0.0	23.0		22.30		1.0	23.0		22.29		2.0	23
		1	99		21.83		0.0	23.0		21.43		1.0	23.0		21.34		2.0	23
		50	0		21.30		1.0	22.0		21.26		2.0	22.0		21.30		3.0	22
		50	24		21.22		1.0	22.0		21.24		2.0	22.0		21.25		3.0	22
		50	50		21.33		1.0	22.0		21.17		2.0	22.0		21.19		3.0	22
		100	0		21.29		1.0	22.0		21.18		2.0	22.0		21.26		3.0	22
	256QAM	1	0		18.54		3.0	20.0		18.19		4.0	20.0		18.38		5.0	20
		1	49		19.20		3.0	20.0		19.13		4.0	20.0		19.63		5.0	20
		1	99		18.77		3.0	20.0		19.21		4.0	20.0		18.27		5.0	20
		50	0		19.36		3.0	20.0		19.21		4.0	20.0		19.43		5.0	20
		50	24		19.39		3.0	20.0		19.24		4.0	20.0		19.27		5.0	20
		50	50		19.18		3.0	20.0		18.82		4.0	20.0		19.17		5.0	20
		100	0		19.18		3.0	20.0		19.16		4.0	20.0		19.21		5.0	20

LTE Band 12 (Ant. A& Ant. A+B) 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 Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
					23095 707.5 MHz					23095 707.5 MHz			
10 MHz	QPSK	1	0		22.10		0.0	23.0		24.39		0.0	25.2
		1	25		22.37		0.0	23.0		24.72		0.0	25.2
		1	49		22.20		0.0	23.0		24.71		0.0	25.2
		25	0		22.21		0.0	23.0		23.40		1.0	24.2
		25	12		22.27		0.0	23.0		23.59		1.0	24.2
		25	25		22.22		0.0	23.0		23.42		1.0	24.2
		50	0		22.22		0.0	23.0		23.40		1.0	24.2
	16QAM	1	0		22.04		0.0	23.0		22.91		1.0	24.2
		1	25		22.60		0.0	23.0		23.57		1.0	24.2
		1	49		22.41		0.0	23.0		23.57		1.0	24.2
		25	0		22.10		0.0	23.0		22.49		2.0	23.2
		25	12		22.35		0.0	23.0		22.55		2.0	23.2
		25	25		22.20		0.0	23.0		22.46		2.0	23.2
		50	0		22.27		0.0	23.0		22.47		2.0	23.2
	64QAM	1	0		22.45		0.0	23.0		22.70		2.0	23.2
		1	25		22.63		0.0	23.0		22.65		2.0	23.2
		1	49		22.26		0.0	23.0		22.65		2.0	23.2
		25	0		21.32		0.8	22.2		21.47		3.0	22.2
		25	12		21.51		0.8	22.2		21.35		3.0	22.2
		25	25		21.37		0.8	22.2		21.44		3.0	22.2
		50	0		21.47		0.8	22.2		21.55		3.0	22.2
	256QAM	1	0		19.49		2.8	20.2		19.44		5.0	20.2
		1	25		19.22		2.8	20.2		19.59		5.0	20.2
		1	49		19.64		2.8	20.2		19.85		5.0	20.2
		25	0		19.30		2.8	20.2		19.48		5.0	20.2
		25	12		19.52		2.8	20.2		19.34		5.0	20.2
		25	25		19.31		2.8	20.2		19.55		5.0	20.2
		50	0		19.42		2.8	20.2		19.48		5.0	20.2

LTE Band 12 (Ant. D) 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 = 0					DSI = 1					DSI = 2, 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					23095					23095					23095			
10 MHz	QPSK	1	0		22.30		0.0	23.0		23.46		0.0	24.0		24.61		0.0	25.0
		1	25		22.45		0.0	23.0		23.11		0.0	24.0		24.79		0.0	25.0
		1	49		22.32		0.0	23.0		23.05		0.0	24.0		24.55		0.0	25.0
		25	0		22.24		0.0	23.0		23.28		0.0	24.0		23.74		1.0	24.0
		25	12		22.52		0.0	23.0		23.29		0.0	24.0		23.87		1.0	24.0
		25	25		22.37		0.0	23.0		23.25		0.0	24.0		23.78		1.0	24.0
	16QAM	50	0		22.36		0.0	23.0		23.33		0.0	24.0		23.76		1.0	24.0
		1	0		22.84		0.0	23.0		23.27		0.0	24.0		23.93		1.0	24.0
		1	25		22.55		0.0	23.0		22.99		0.0	24.0		23.39		1.0	24.0
		1	49		22.70		0.0	23.0		23.56		0.0	24.0		23.72		1.0	24.0
		25	0		22.24		0.0	23.0		22.55		1.0	23.0		22.86		2.0	23.0
		25	12		22.50		0.0	23.0		22.69		1.0	23.0		22.85		2.0	23.0
	64QAM	25	25		22.56		0.0	23.0		22.70		1.0	23.0		22.80		2.0	23.0
		50	0		22.36		0.0	23.0		22.43		1.0	23.0		22.69		2.0	23.0
		1	0		22.26		0.0	23.0		22.42		1.0	23.0		22.77		2.0	23.0
		1	25		22.61		0.0	23.0		21.92		1.0	23.0		22.30		2.0	23.0
		1	49		22.14		0.0	23.0		22.89		1.0	23.0		22.64		2.0	23.0
		25	0		21.69		1.0	22.0		21.84		2.0	22.0		21.90		3.0	22.0
	256QAM	25	12		21.91		1.0	22.0		21.81		2.0	22.0		21.74		3.0	22.0
		25	25		21.84		1.0	22.0		21.63		2.0	22.0		21.60		3.0	22.0
		50	0		21.73		1.0	22.0		21.48		2.0	22.0		21.72		3.0	22.0
		1	0		19.81		3.0	20.0		19.42		4.0	20.0		19.63		5.0	20.0
		1	25		19.54		3.0	20.0		18.81		4.0	20.0		19.20		5.0	20.0
		1	49		19.39		3.0	20.0		19.27		4.0	20.0		19.69		5.0	20.0
		25	0		19.81		3.0	20.0		19.63		4.0	20.0		19.78		5.0	20.0
		25	12		19.91		3.0	20.0		19.70		4.0	20.0		19.65		5.0	20.0
		25	25		19.74		3.0	20.0		19.72		4.0	20.0		19.72		5.0	20.0
		50	0		19.70		3.0	20.0		19.73		4.0	20.0		19.59		5.0	20.0

LTE Band 13 (Ant. A& Ant. A+B) 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
					23230					23230			
10 MHz	QPSK	1	0		22.34		0.0	23.0		24.91		0.0	25.5
		1	25		22.21		0.0	23.0		24.87		0.0	25.5
		1	49		21.97		0.0	23.0		24.90		0.0	25.5
		25	0		22.29		0.0	23.0		23.81		1.0	24.5
		25	12		22.23		0.0	23.0		23.77		1.0	24.5
		25	25		22.17		0.0	23.0		23.69		1.0	24.5
	16QAM	50	0		22.27		0.0	23.0		23.83		1.0	24.5
		1	0		22.15		0.0	23.0		23.78		1.0	24.5
		1	25		22.52		0.0	23.0		23.92		1.0	24.5
		1	49		22.19		0.0	23.0		23.63		1.0	24.5
		25	0		22.22		0.0	23.0		22.93		2.0	23.5
		25	12		22.32		0.0	23.0		22.75		2.0	23.5
	64QAM	25	25		22.18		0.0	23.0		22.71		2.0	23.5
		50	0		22.29		0.0	23.0		22.89		2.0	23.5
		1	0		22.69		0.0	23.0		23.22		2.0	23.5
		1	25		22.04		0.0	23.0		22.59		2.0	23.5
		1	49		22.47		0.0	23.0		22.51		2.0	23.5
		25	0		21.85		0.5	22.5		21.79		3.0	22.5
	256QAM	25	12		21.72		0.5	22.5		21.86		3.0	22.5
		25	25		21.68		0.5	22.5		21.73		3.0	22.5
		50	0		21.79		0.5	22.5		21.84		3.0	22.5
		1	0		19.89		2.5	20.5		19.85		5.0	20.5
		1	25		19.99		2.5	20.5		19.81		5.0	20.5
		1	49		19.88		2.5	20.5		19.94		5.0	20.5
	256QAM	25	0		19.72		2.5	20.5		20.06		5.0	20.5
		25	12		19.79		2.5	20.5		19.70		5.0	20.5
		25	25		19.83		2.5	20.5		19.59		5.0	20.5
		50	0		19.92		2.5	20.5		19.94		5.0	20.5

LTE Band 13 (Ant. D) 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 = 0					DSI = 1					DSI = 2, 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					23230					23230					23230			
10 MHz	QPSK	1	0		20.96		0.0	23.0		21.95		0.0	24.0		23.72		0.0	25.0
		1	25		21.11		0.0	23.0		21.83		0.0	24.0		23.73		0.0	25.0
		1	49		20.93		0.0	23.0		22.15		0.0	24.0		23.69		0.0	25.0
		25	0		21.12		0.0	23.0		21.91		0.0	24.0		22.76		1.0	24.0
		25	12		20.99		0.0	23.0		22.18		0.0	24.0		22.81		1.0	24.0
		25	25		21.29		0.0	23.0		21.75		0.0	24.0		22.82		1.0	24.0
	16QAM	50	0		21.09		0.0	23.0		22.07		0.0	24.0		22.68		1.0	24.0
		1	0		20.97		0.0	23.0		21.95		0.0	24.0		22.83		1.0	24.0
		1	25		21.00		0.0	23.0		22.24		0.0	24.0		23.20		1.0	24.0
		1	49		21.35		0.0	23.0		22.05		0.0	24.0		22.83		1.0	24.0
		25	0		20.91		0.0	23.0		21.66		1.0	23.0		21.72		2.0	23.0
		25	12		21.03		0.0	23.0		21.62		1.0	23.0		21.81		2.0	23.0
	64QAM	25	25		20.91		0.0	23.0		21.66		1.0	23.0		21.70		2.0	23.0
		50	0		21.09		0.0	23.0		21.73		1.0	23.0		21.71		2.0	23.0
		1	0		21.41		0.0	23.0		21.71		1.0	23.0		21.84		2.0	23.0
		1	25		21.00		0.0	23.0		21.69		1.0	23.0		22.09		2.0	23.0
		1	49		20.91		0.0	23.0		21.87		1.0	23.0		21.91		2.0	23.0
		25	0		20.78		1.0	22.0		20.55		2.0	22.0		20.77		3.0	22.0
	256QAM	25	12		20.78		1.0	22.0		20.74		2.0	22.0		20.86		3.0	22.0
		25	25		20.68		1.0	22.0		20.64		2.0	22.0		20.74		3.0	22.0
		50	0		20.94		1.0	22.0		20.75		2.0	22.0		20.73		3.0	22.0
		1	0		18.97		3.0	20.0		18.71		4.0	20.0		18.97		5.0	20.0
		1	25		18.75		3.0	20.0		18.85		4.0	20.0		19.14		5.0	20.0
		1	49		18.67		3.0	20.0		18.45		4.0	20.0		18.79		5.0	20.0
	256QAM	25	0		18.82		3.0	20.0		18.78		4.0	20.0		18.86		5.0	20.0
		25	12		18.79		3.0	20.0		18.69		4.0	20.0		18.77		5.0	20.0
		25	25		18.76		3.0	20.0		18.63		4.0	20.0		18.84		5.0	20.0
		50	0		18.81		3.0	20.0		18.73		4.0	20.0		18.65		5.0	20.0

LTE Band 14 (Ant. A& Ant. A+B) 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 Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
					23330 793 MHz						23330 793 MHz		
10 MHz	QPSK	1	0		22.30		0.0	23.0		24.96		0.0	25.5
		1	25		22.21		0.0	23.0		24.56		0.0	25.5
		1	49		22.01		0.0	23.0		24.74		0.0	25.5
		25	0		22.27		0.0	23.0		23.72		1.0	24.5
		25	12		22.17		0.0	23.0		23.64		1.0	24.5
		25	25		22.06		0.0	23.0		23.65		1.0	24.5
	50	0		22.28		0.0	23.0		23.62		1.0	24.5	
	16QAM	1	0		22.45		0.0	23.0		23.93		1.0	24.5
		1	25		22.28		0.0	23.0		23.70		1.0	24.5
		1	49		21.96		0.0	23.0		23.52		1.0	24.5
		25	0		22.25		0.0	23.0		22.72		2.0	23.5
		25	12		22.18		0.0	23.0		22.66		2.0	23.5
		25	25		22.15		0.0	23.0		22.66		2.0	23.5
	50	0		22.29		0.0	23.0		22.62		2.0	23.5	
	64QAM	1	0		22.47		0.0	23.0		22.85		2.0	23.5
		1	25		22.56		0.0	23.0		22.81		2.0	23.5
		1	49		21.91		0.0	23.0		22.95		2.0	23.5
		25	0		21.76		0.5	22.5		21.68		3.0	22.5
		25	12		21.65		0.5	22.5		21.66		3.0	22.5
		25	25		21.61		0.5	22.5		21.66		3.0	22.5
	50	0		21.67		0.5	22.5		21.76		3.0	22.5	
	256QAM	1	0		19.78		2.5	20.5		19.81		5.0	20.5
		1	25		19.60		2.5	20.5		19.51		5.0	20.5
		1	49		19.43		2.5	20.5		19.77		5.0	20.5
		25	0		19.63		2.5	20.5		19.65		5.0	20.5
		25	12		19.69		2.5	20.5		19.83		5.0	20.5
		25	25		19.68		2.5	20.5		19.61		5.0	20.5
	50	0		19.69		2.5	20.5		19.71		5.0	20.5	

LTE Band 14 (Ant. D) 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 = 0					DSI = 1					DSI = 2, 3				
				Measured Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
					23330					23330					23330			
					793 MHz				793 MHz				793 MHz					
10 MHz	QPSK	1	0		21.13		0.0	23.0		22.17		0.0	24.0		24.08		0.0	25.0
		1	25		21.40		0.0	23.0		22.10		0.0	24.0		24.11		0.0	25.0
		1	49		21.39		0.0	23.0		22.23		0.0	24.0		23.38		0.0	25.0
		25	0		21.48		0.0	23.0		22.19		0.0	24.0		23.11		1.0	24.0
		25	12		21.30		0.0	23.0		22.30		0.0	24.0		23.06		1.0	24.0
		25	25		21.28		0.0	23.0		22.22		0.0	24.0		22.98		1.0	24.0
	16QAM	50	0		21.24		0.0	23.0		22.20		0.0	24.0		23.13		1.0	24.0
		1	0		21.31		0.0	23.0		22.43		0.0	24.0		23.25		1.0	24.0
		1	25		21.55		0.0	23.0		22.41		0.0	24.0		23.24		1.0	24.0
		1	49		21.34		0.0	23.0		22.24		0.0	24.0		22.36		1.0	24.0
		25	0		21.28		0.0	23.0		21.85		1.0	23.0		22.11		2.0	23.0
		25	12		21.30		0.0	23.0		21.94		1.0	23.0		22.11		2.0	23.0
	64QAM	25	25		21.20		0.0	23.0		21.98		1.0	23.0		22.10		2.0	23.0
		50	0		21.33		0.0	23.0		22.00		1.0	23.0		21.99		2.0	23.0
		1	0		21.61		0.0	23.0		22.34		1.0	23.0		22.52		2.0	23.0
		1	25		21.75		0.0	23.0		22.25		1.0	23.0		22.42		2.0	23.0
		1	49		21.36		0.0	23.0		21.28		1.0	23.0		20.91		2.0	23.0
		25	0		21.21		1.0	22.0		20.89		2.0	22.0		21.16		3.0	22.0
	256QAM	25	12		21.03		1.0	22.0		20.99		2.0	22.0		21.12		3.0	22.0
		25	25		20.96		1.0	22.0		20.96		2.0	22.0		21.02		3.0	22.0
		50	0		21.06		1.0	22.0		20.99		2.0	22.0		21.24		3.0	22.0
		1	0		19.45		3.0	20.0		19.10		4.0	20.0		19.56		5.0	20.0
		1	25		19.23		3.0	20.0		19.06		4.0	20.0		19.35		5.0	20.0
		1	49		17.98		3.0	20.0		17.77		4.0	20.0		18.91		5.0	20.0
		25	0		19.20		3.0	20.0		18.87		4.0	20.0		19.18		5.0	20.0
		25	12		19.06		3.0	20.0		18.83		4.0	20.0		19.02		5.0	20.0
		25	25		19.06		3.0	20.0		18.90		4.0	20.0		18.97		5.0	20.0
		50	0		19.00		3.0	20.0		18.84		4.0	20.0		18.94		5.0	20.0

LTE Band 26 (Ant. A & Ant. A+B) 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
					26865					26865			
15 MHz	QPSK	1	0		22.78		0.0	23.0		24.73		0.0	25.5
		1	37		22.35		0.0	23.0		24.62		0.0	25.5
		1	74		22.18		0.0	23.0		24.48		0.0	25.5
		36	0		22.34		0.0	23.0		23.87		1.0	24.5
		36	20		22.16		0.0	23.0		23.62		1.0	24.5
		36	39		21.97		0.0	23.0		23.65		1.0	24.5
		75	0		22.07		0.0	23.0		23.65		1.0	24.5
	16QAM	1	0		22.14		0.0	23.0		23.96		1.0	24.5
		1	37		22.46		0.0	23.0		23.40		1.0	24.5
		1	74		22.29		0.0	23.0		24.06		1.0	24.5
		36	0		22.30		0.0	23.0		22.65		2.0	23.5
		36	20		22.13		0.0	23.0		22.74		2.0	23.5
		36	39		22.09		0.0	23.0		22.62		2.0	23.5
		75	0		22.15		0.0	23.0		22.65		2.0	23.5
	64QAM	1	0		22.67		0.0	23.0		22.76		2.0	23.5
		1	37		22.00		0.0	23.0		23.05		2.0	23.5
		1	74		22.25		0.0	23.0		22.70		2.0	23.5
		36	0		21.75		0.5	22.5		21.69		3.0	22.5
		36	20		21.71		0.5	22.5		21.49		3.0	22.5
		36	39		21.66		0.5	22.5		21.71		3.0	22.5
		75	0		21.58		0.5	22.5		21.63		3.0	22.5
	256QAM	1	0		19.87		2.5	20.5		20.09		5.0	20.5
		1	37		19.51		2.5	20.5		19.60		5.0	20.5
		1	74		19.59		2.5	20.5		19.93		5.0	20.5
		36	0		19.62		2.5	20.5		19.74		5.0	20.5
		36	20		19.63		2.5	20.5		19.51		5.0	20.5
		36	39		19.58		2.5	20.5		19.64		5.0	20.5
		75	0		19.89		2.5	20.5		19.55		5.0	20.5

LTE Band 26 (Ant. D) 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
					26865					26865			
15 MHz	QPSK	1	0		20.65		0.0	22.0		24.13		0.0	25.0
		1	37		20.27		0.0	22.0		24.14		0.0	25.0
		1	74		20.36		0.0	22.0		23.79		0.0	25.0
		36	0		20.40		0.0	22.0		23.06		1.0	24.0
		36	20		20.44		0.0	22.0		22.97		1.0	24.0
		36	39		20.42		0.0	22.0		22.94		1.0	24.0
		75	0		20.29		0.0	22.0		22.85		1.0	24.0
	16QAM	1	0		20.46		0.0	22.0		23.06		1.0	24.0
		1	37		20.77		0.0	22.0		22.82		1.0	24.0
		1	74		20.48		0.0	22.0		23.19		1.0	24.0
		36	0		20.35		0.0	22.0		21.87		2.0	23.0
		36	20		20.55		0.0	22.0		22.04		2.0	23.0
		36	39		20.33		0.0	22.0		21.89		2.0	23.0
		75	0		20.44		0.0	22.0		21.99		2.0	23.0
	64QAM	1	0		20.17		0.0	22.0		22.14		2.0	23.0
		1	37		20.48		0.0	22.0		21.81		2.0	23.0
		1	74		20.65		0.0	22.0		22.03		2.0	23.0
		36	0		20.38		0.0	22.0		20.85		3.0	22.0
		36	20		20.49		0.0	22.0		20.87		3.0	22.0
		36	39		20.45		0.0	22.0		20.82		3.0	22.0
		75	0		20.66		0.0	22.0		20.98		3.0	22.0
	256QAM	1	0		18.99		2.0	20.0		19.21		5.0	20.0
		1	37		19.08		2.0	20.0		18.77		5.0	20.0
		1	74		19.74		2.0	20.0		18.68		5.0	20.0
		36	0		19.18		2.0	20.0		18.85		5.0	20.0
		36	20		19.17		2.0	20.0		18.93		5.0	20.0
		36	39		19.09		2.0	20.0		18.96		5.0	20.0
		75	0		19.14		2.0	20.0		18.96		5.0	20.0

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

Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)					Maximum Allowed Average Power (dBm)				
			DSI = 0, 1					DSI = 2,3				
			Measured Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
				20525					20525			
				836.5 MHz					836.5 MHz			
QPSK	1	0		22.35		0.0	23.0		24.52		0.0	25.5
	1	25		22.16		0.0	23.0		24.41		0.0	25.5
	1	49		22.05		0.0	23.0		24.39		0.0	25.5
	25	0		22.22		0.0	23.0		23.79		1.0	24.5
	25	12		22.17		0.0	23.0		23.65		1.0	24.5
	25	25		22.12		0.0	23.0		23.59		1.0	24.5
	50	0		22.06		0.0	23.0		23.58		1.0	24.5
16QAM	1	0		22.35		0.0	23.0		23.41		1.0	24.5
	1	25		22.20		0.0	23.0		23.57		1.0	24.5
	1	49		21.98		0.0	23.0		23.49		1.0	24.5
	25	0		22.08		0.0	23.0		22.67		2.0	23.5
	25	12		22.16		0.0	23.0		22.67		2.0	23.5
	25	25		22.22		0.0	23.0		22.76		2.0	23.5
	50	0		22.14		0.0	23.0		22.51		2.0	23.5
64QAM	1	0		22.05		0.0	23.0		22.76		2.0	23.5
	1	25		22.53		0.0	23.0		23.06		2.0	23.5
	1	49		22.67		0.0	23.0		22.73		2.0	23.5
	25	0		21.57		0.5	22.5		21.68		3.0	22.5
	25	12		21.58		0.5	22.5		21.60		3.0	22.5
	25	25		21.68		0.5	22.5		21.61		3.0	22.5
	50	0		21.56		0.5	22.5		21.58		3.0	22.5
256QAM	1	0		20.18		2.5	20.5		19.68		5.0	20.5
	1	25		19.84		2.5	20.5		19.84		5.0	20.5
	1	49		19.48		2.5	20.5		19.47		5.0	20.5
	25	0		19.57		2.5	20.5		19.53		5.0	20.5
	25	12		19.62		2.5	20.5		19.61		5.0	20.5
	25	25		19.62		2.5	20.5		19.62		5.0	20.5
	50	0		19.54		2.5	20.5		19.46		5.0	20.5

LTE Band 5 (Ant. D) 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 Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
					20525					20525			
					836.5 MHz					836.5 MHz			
10 MHz	QPSK	1	0		20.60		0.0	22.0		24.28		0.0	25.0
		1	25		20.53		0.0	22.0		24.06		0.0	25.0
		1	49		20.47		0.0	22.0		23.93		0.0	25.0
		25	0		20.48		0.0	22.0		23.12		1.0	24.0
		25	12		20.59		0.0	22.0		23.12		1.0	24.0
		25	25		20.62		0.0	22.0		23.31		1.0	24.0
		50	0		20.47		0.0	22.0		23.11		1.0	24.0
	16QAM	1	0		20.53		0.0	22.0		22.66		1.0	24.0
		1	25		20.69		0.0	22.0		23.40		1.0	24.0
		1	49		20.57		0.0	22.0		23.25		1.0	24.0
		25	0		20.62		0.0	22.0		22.24		2.0	23.0
		25	12		20.62		0.0	22.0		22.06		2.0	23.0
		25	25		20.72		0.0	22.0		22.27		2.0	23.0
		50	0		20.62		0.0	22.0		22.07		2.0	23.0
	64QAM	1	0		20.29		0.0	22.0		21.51		2.0	23.0
		1	25		20.84		0.0	22.0		22.25		2.0	23.0
		1	49		20.74		0.0	22.0		21.98		2.0	23.0
		25	0		20.66		0.0	22.0		21.09		3.0	22.0
		25	12		20.53		0.0	22.0		21.22		3.0	22.0
		25	25		20.54		0.0	22.0		21.19		3.0	22.0
		50	0		20.76		0.0	22.0		21.08		3.0	22.0
	256QAM	1	0		19.13		2.0	20.0		18.75		5.0	20.0
		1	25		19.57		2.0	20.0		19.58		5.0	20.0
		1	49		19.23		2.0	20.0		19.41		5.0	20.0
		25	0		19.32		2.0	20.0		19.11		5.0	20.0
		25	12		19.30		2.0	20.0		19.19		5.0	20.0
		25	25		19.41		2.0	20.0		19.16		5.0	20.0
		50	0		19.39		2.0	20.0		19.16		5.0	20.0

LTE Band 66 (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 = 0, 2						DSI = 1						DSI = 3					
				Measured Pwr (dBm)						Measured Pwr (dBm)						Measured Pwr (dBm)					
				132072 1720 MHz	132322 1745 MHz	132572 1770 MHz	MPR	Tune- up Limit		132072 1720 MHz	132322 1745 MHz	132572 1770 MHz	MPR	Tune- up Limit		132072 1720 MHz	132322 1745 MHz	132572 1770 MHz	MPR	Tune- up Limit	
20 MHz	QPSK	1	0	15.16	15.46	15.08	0.0	16.0		16.52	16.64	16.29	0.0	17.0		24.42	24.45	24.20	0.0	25.0	
		1	49	15.45	15.13	15.05	0.0	16.0		16.36	16.16	16.11	0.0	17.0		24.43	24.20	24.10	0.0	25.0	
		1	99	15.29	15.02	15.02	0.0	16.0		16.33	16.45	16.20	0.0	17.0		24.28	24.17	24.13	0.0	25.0	
		50	0	15.51	15.52	15.05	0.0	16.0		16.32	16.57	16.29	0.0	17.0		23.52	23.56	23.18	1.0	24.0	
		50	24	15.32	15.22	15.06	0.0	16.0		16.50	16.33	16.31	0.0	17.0		23.39	23.24	23.06	1.0	24.0	
		50	50	15.41	15.14	15.19	0.0	16.0		16.37	16.32	16.30	0.0	17.0		23.39	23.27	23.20	1.0	24.0	
		100	0	15.44	15.24	15.08	0.0	16.0		16.45	16.27	16.33	0.0	17.0		23.56	23.32	23.12	1.0	24.0	
	16QAM	1	0	15.48	15.32	15.26	0.0	16.0		16.44	16.63	16.07	0.0	17.0		23.74	23.19	23.20	1.0	24.0	
		1	49	15.51	15.47	14.92	0.0	16.0		16.93	16.31	16.56	0.0	17.0		23.28	23.39	23.34	1.0	24.0	
		1	99	15.18	15.17	14.74	0.0	16.0		16.52	16.62	16.47	0.0	17.0		23.65	23.29	23.59	1.0	24.0	
		50	0	15.47	15.30	15.06	0.0	16.0		16.46	16.25	16.23	0.0	17.0		22.65	22.32	22.12	2.0	23.0	
		50	24	15.46	15.16	15.17	0.0	16.0		16.46	16.26	16.32	0.0	17.0		22.70	22.29	22.16	2.0	23.0	
		50	50	15.35	15.16	15.11	0.0	16.0		16.48	16.27	16.29	0.0	17.0		22.48	22.21	22.22	2.0	23.0	
		100	0	15.51	15.15	15.15	0.0	16.0		16.36	16.20	16.32	0.0	17.0		22.50	22.29	22.04	2.0	23.0	
	64QAM	1	0	15.63	15.23	15.64	0.0	16.0		16.59	16.36	16.26	0.0	17.0		22.64	22.63	22.61	2.0	23.0	
		1	49	15.77	15.43	15.26	0.0	16.0		16.57	16.73	16.66	0.0	17.0		22.45	22.04	22.45	2.0	23.0	
		1	99	15.15	15.64	15.46	0.0	16.0		16.67	16.30	16.45	0.0	17.0		22.43	22.06	22.27	2.0	23.0	
		50	0	15.58	15.14	15.03	0.0	16.0		16.58	16.29	16.21	0.0	17.0		21.58	21.40	21.18	3.0	22.0	
		50	24	15.59	15.36	15.21	0.0	16.0		16.48	16.30	16.32	0.0	17.0		21.52	21.33	21.04	3.0	22.0	
		50	50	15.43	15.21	15.03	0.0	16.0		16.49	16.37	16.29	0.0	17.0		21.35	21.27	21.09	3.0	22.0	
		100	0	15.49	15.21	14.98	0.0	16.0		16.44	16.19	16.42	0.0	17.0		21.60	21.23	20.95	3.0	22.0	
	256QAM	1	0	15.59	15.46	15.33	0.0	16.0		16.74	16.10	16.51	0.0	17.0		19.81	19.37	18.95	5.0	20.0	
		1	49	15.21	15.20	14.91	0.0	16.0		16.79	17.00	16.69	0.0	17.0		19.59	19.14	19.36	5.0	20.0	
		1	99	15.52	15.40	15.36	0.0	16.0		16.61	16.15	16.58	0.0	17.0		19.26	19.36	19.13	5.0	20.0	
		50	0	15.51	15.28	15.06	0.0	16.0		16.56	16.28	16.28	0.0	17.0		19.49	19.15	19.13	5.0	20.0	
		50	24	15.56	15.25	15.04	0.0	16.0		16.49	16.39	16.41	0.0	17.0		19.51	19.28	19.14	5.0	20.0	
		50	50	15.38	15.26	15.13	0.0	16.0		16.37	16.28	16.27	0.0	17.0		19.30	19.09	19.22	5.0	20.0	
		100	0	15.59	15.39	15.14	0.0	16.0		16.57	16.33	16.39	0.0	17.0		19.50	19.16	19.10	5.0	20.0	

LTE Band 66 (Ant. F) 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 = 0, 1						DSI = 2						DSI = 3					
				Measured Pwr (dBm)			MPR	Tune- up Limit	Measured Pwr (dBm)			MPR	Tune- up Limit	Measured Pwr (dBm)			MPR	Tune- up Limit			
				132072 1720 MHz	132322 1745 MHz	132572 1770 MHz			132072 1720 MHz	132322 1745 MHz	132572 1770 MHz			132072 1720 MHz	132322 1745 MHz	132572 1770 MHz					
20 MHz	QPSK	1	0	15.60	15.60	15.41	0.0	16.5	18.72	19.09	18.95	0.0	20.0	19.98	20.05	19.98	0.0	21.0			
		1	49	15.59	15.57	15.27	0.0	16.5	19.08	18.97	18.73	0.0	20.0	19.86	19.98	19.75	0.0	21.0			
		1	99	15.62	15.53	15.60	0.0	16.5	18.80	18.73	18.80	0.0	20.0	19.82	19.76	19.59	0.0	21.0			
		50	0	15.52	15.55	15.53	0.0	16.5	18.99	19.13	18.98	0.0	20.0	20.06	20.10	20.02	0.0	21.0			
		50	24	15.57	15.56	15.41	0.0	16.5	18.98	19.02	18.96	0.0	20.0	20.06	20.03	19.86	0.0	21.0			
		50	50	15.58	15.54	15.49	0.0	16.5	19.03	19.05	18.93	0.0	20.0	20.05	20.09	19.78	0.0	21.0			
	16QAM	100	0	15.47	15.65	15.51	0.0	16.5	19.05	18.89	18.77	0.0	20.0	20.09	19.98	19.92	0.0	21.0			
		1	0	15.64	15.45	15.57	0.0	16.5	19.13	18.94	19.14	0.0	20.0	19.84	19.62	19.80	0.0	21.0			
		1	49	15.51	15.84	15.61	0.0	16.5	19.18	19.32	19.01	0.0	20.0	19.77	19.90	19.84	0.0	21.0			
		1	99	15.60	15.69	15.38	0.0	16.5	19.13	18.99	19.53	0.0	20.0	20.03	19.91	20.52	0.0	21.0			
		50	0	15.34	15.47	15.62	0.0	16.5	18.97	18.89	18.79	0.0	20.0	20.04	20.15	19.91	0.0	21.0			
		50	24	15.67	15.62	15.61	0.0	16.5	19.09	18.99	18.98	0.0	20.0	20.04	20.04	19.98	0.0	21.0			
	64QAM	50	50	15.78	15.61	15.49	0.0	16.5	19.07	18.93	18.93	0.0	20.0	20.05	19.94	19.80	0.0	21.0			
		100	0	15.57	15.66	15.53	0.0	16.5	19.07	19.00	18.96	0.0	20.0	20.15	20.03	20.00	0.0	21.0			
		1	0	15.15	15.82	15.72	0.0	16.5	19.77	18.86	19.65	0.0	20.0	20.22	20.02	19.35	0.0	21.0			
		1	49	15.80	15.83	15.52	0.0	16.5	19.04	19.00	19.35	0.0	20.0	19.79	20.09	19.92	0.0	21.0			
		1	99	15.31	15.64	15.55	0.0	16.5	19.13	18.90	19.51	0.0	20.0	20.04	20.34	19.86	0.0	21.0			
		50	0	15.52	15.62	15.48	0.0	16.5	18.79	19.01	18.91	0.0	20.0	19.94	20.11	19.97	0.0	21.0			
	256QAM	50	24	15.55	15.52	15.49	0.0	16.5	18.97	18.92	18.97	0.0	20.0	19.95	20.17	20.04	0.0	21.0			
		50	50	15.68	15.66	15.37	0.0	16.5	19.09	18.94	18.93	0.0	20.0	20.02	20.10	19.81	0.0	21.0			
		100	0	15.65	15.65	15.51	0.0	16.5	19.03	19.10	18.91	0.0	20.0	20.04	19.88	19.97	0.0	21.0			
		1	0	15.76	15.62	15.72	0.0	16.5	19.27	19.41	19.18	0.0	20.0	19.28	19.30	19.37	1.0	20.0			
		1	49	15.79	15.51	15.44	0.0	16.5	19.39	18.50	19.26	0.0	20.0	18.95	18.78	19.58	1.0	20.0			
		1	99	15.83	15.71	15.51	0.0	16.5	19.00	19.73	18.67	0.0	20.0	19.38	18.83	19.12	1.0	20.0			

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 = 0, 2					DSI = 1					DSI = 3				
				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	15.92	16.27	16.02	0.0	16.5	17.49	17.53	17.20	0.0	18.0	24.66	24.75	24.37	0.0	25.0
		1	49	16.22	15.88	15.72	0.0	16.5	17.49	17.27	17.24	0.0	18.0	24.62	24.33	24.24	0.0	25.0
		1	99	15.82	15.90	15.71	0.0	16.5	17.33	16.96	17.15	0.0	18.0	24.69	24.38	24.23	0.0	25.0
		50	0	15.99	16.29	15.81	0.0	16.5	17.43	17.67	17.23	0.0	18.0	23.65	23.69	23.35	1.0	24.0
		50	24	16.23	16.03	15.85	0.0	16.5	17.61	17.29	17.27	0.0	18.0	23.61	23.53	23.36	1.0	24.0
		50	50	16.05	15.99	15.83	0.0	16.5	17.51	17.35	17.25	0.0	18.0	23.62	23.50	23.35	1.0	24.0
	16QAM	100	0	16.21	15.99	15.74	0.0	16.5	17.63	17.33	17.13	0.0	18.0	23.58	23.47	23.26	1.0	24.0
		1	0	16.34	15.69	16.20	0.0	16.5	17.65	17.55	17.46	0.0	18.0	23.64	23.48	23.56	1.0	24.0
		1	49	16.28	16.31	16.04	0.0	16.5	17.89	17.47	17.65	0.0	18.0	23.79	23.67	23.71	1.0	24.0
		1	99	15.93	15.87	16.02	0.0	16.5	17.52	17.39	17.34	0.0	18.0	23.67	23.53	23.41	1.0	24.0
		50	0	16.24	15.90	15.84	0.0	16.5	17.64	17.43	17.18	0.0	18.0	22.69	22.48	22.19	2.0	23.0
		50	24	16.26	16.00	15.88	0.0	16.5	17.63	17.45	17.23	0.0	18.0	22.67	22.51	22.36	2.0	23.0
	64QAM	50	50	16.12	15.91	15.85	0.0	16.5	17.51	17.36	17.19	0.0	18.0	22.61	22.41	22.29	2.0	23.0
		100	0	16.13	15.83	15.71	0.0	16.5	17.67	17.26	17.19	0.0	18.0	22.55	22.41	22.31	2.0	23.0
		1	0	16.15	16.36	15.95	0.0	16.5	17.65	17.42	17.34	0.0	18.0	22.84	22.71	22.38	2.0	23.0
		1	49	16.09	15.92	15.93	0.0	16.5	17.71	17.38	17.50	0.0	18.0	22.94	22.23	22.65	2.0	23.0
		1	99	16.14	15.62	15.77	0.0	16.5	17.84	17.55	17.38	0.0	18.0	22.82	22.26	22.69	2.0	23.0
		50	0	16.25	15.94	15.84	0.0	16.5	17.81	17.41	17.20	0.0	18.0	21.74	21.51	21.28	3.0	22.0
	256QAM	50	24	16.13	16.04	15.82	0.0	16.5	17.77	17.49	17.32	0.0	18.0	21.61	21.54	21.30	3.0	22.0
		50	50	16.11	15.98	15.90	0.0	16.5	17.55	17.39	17.34	0.0	18.0	21.56	21.48	21.28	3.0	22.0
		100	0	16.33	15.96	15.74	0.0	16.5	17.53	17.45	17.14	0.0	18.0	21.50	21.29	21.40	3.0	22.0
		1	0	16.29	16.34	16.37	0.0	16.5	17.58	17.43	16.98	0.0	18.0	19.94	19.95	19.20	5.0	20.0
		1	49	16.37	16.11	15.80	0.0	16.5	17.55	17.44	17.73	0.0	18.0	19.92	19.42	19.56	5.0	20.0
		1	99	16.26	15.81	15.59	0.0	16.5	17.05	17.26	17.32	0.0	18.0	19.41	19.26	19.31	5.0	20.0
		50	0	16.26	15.91	15.85	0.0	16.5	17.71	17.32	17.33	0.0	18.0	19.74	19.51	19.21	5.0	20.0
		50	24	16.28	15.90	15.91	0.0	16.5	17.66	17.56	17.21	0.0	18.0	19.79	19.54	19.29	5.0	20.0
		50	50	16.10	15.96	15.70	0.0	16.5	17.33	17.54	17.23	0.0	18.0	19.62	19.45	19.35	5.0	20.0
		100	0	16.16	15.95	15.70	0.0	16.5	17.62	17.36	17.10	0.0	18.0	19.62	19.51	19.32	5.0	20.0

LTE Band 25 (Ant. F) 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 = 0										DSI = 1										DSI = 2										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								
				26140	26365	26590	1860 MHz	1882.5 MHz	1905 MHz			26140	26365	26590	1860 MHz	1882.5 MHz	1905 MHz			26140	26365	26590	1860 MHz	1882.5 MHz	1905 MHz			26140	26365	26590	1860 MHz	1882.5 MHz	1905 MHz										
				1860 MHz	1882.5 MHz	1905 MHz						1860 MHz	1882.5 MHz	1905 MHz						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	15.35	15.83	16.01	0.0	16.5	16.52	16.59	16.70	0.0	17.5	18.95	19.44	19.58	0.0	20.0	20.94	21.14	21.31	0.0	22.0																				
		1	49	15.59	15.95	15.63	0.0	16.5	16.56	16.42	16.42	0.0	17.5	19.20	19.36	19.42	0.0	20.0	21.10	21.25	21.15	0.0	22.0																				
		1	99	15.50	15.51	15.59	0.0	16.5	16.50	16.45	16.45	0.0	17.5	18.95	19.42	19.42	0.0	20.0	20.87	21.05	21.30	0.0	22.0																				
		50	0	15.53	15.72	15.73	0.0	16.5	16.44	16.64	16.71	0.0	17.5	19.21	19.29	19.44	0.0	20.0	21.14	21.19	21.34	0.0	22.0																				
		50	24	15.54	15.54	15.70	0.0	16.5	16.61	16.49	16.45	0.0	17.5	19.36	19.41	19.41	0.0	20.0	21.24	21.33	21.28	0.0	22.0																				
		50	50	15.68	15.71	15.71	0.0	16.5	16.56	16.48	16.70	0.0	17.5	19.39	19.43	19.34	0.0	20.0	21.02	21.23	21.17	0.0	22.0																				
	16QAM	100	0	15.62	15.64	15.49	0.0	16.5	16.49	16.51	16.57	0.0	17.5	19.35	19.39	19.22	0.0	20.0	21.11	21.20	21.28	0.0	22.0																				
		1	0	15.68	15.78	15.78	0.0	16.5	16.25	16.62	16.64	0.0	17.5	19.24	19.26	19.64	0.0	20.0	21.43	20.84	21.43	0.0	22.0																				
		1	49	15.90	15.71	15.92	0.0	16.5	16.41	16.47	17.09	0.0	17.5	19.74	19.26	19.11	0.0	20.0	21.23	21.69	21.45	0.0	22.0																				
		1	99	15.49	15.92	15.89	0.0	16.5	16.62	16.58	16.86	0.0	17.5	19.17	19.37	19.16	0.0	20.0	21.33	21.61	21.91	0.0	22.0																				
		50	0	15.48	15.57	15.68	0.0	16.5	16.49	16.67	16.60	0.0	17.5	19.31	19.33	19.43	0.0	20.0	21.08	21.15	21.29	0.0	22.0																				
		50	24	15.61	15.79	15.81	0.0	16.5	16.54	16.56	16.74	0.0	17.5	19.27	19.30	19.40	0.0	20.0	21.19	21.20	21.43	0.0	22.0																				
	64QAM	50	50	15.63	15.69	15.80	0.0	16.5	16.56	16.70	16.81	0.0	17.5	19.21	19.48	19.29	0.0	20.0	21.24	21.30	21.37	0.0	22.0																				
		100	0	15.49	15.62	15.61	0.0	16.5	16.35	16.47	16.53	0.0	17.5	19.24	19.27	19.44	0.0	20.0	21.28	21.24	21.19	0.0	22.0																				
		1	0	15.65	15.27	15.80	0.0	16.5	16.51	17.01	17.05	0.0	17.5	19.37	18.98	19.40	0.0	20.0	21.13	21.56	21.13	0.0	22.0																				
		1	49	15.57	15.99	15.94	0.0	16.5	16.78	16.93	16.78	0.0	17.5	19.51	19.75	19.54	0.0	20.0	21.57	21.82	21.88	0.0	22.0																				
		1	99	15.46	15.99	15.45	0.0	16.5	16.63	16.80	16.89	0.0	17.5	19.23	19.82	19.68	0.0	20.0	20.82	21.33	21.78	0.0	22.0																				
		50	0	15.41	15.70	15.71	0.0	16.5	16.47	16.65	16.67	0.0	17.5	19.32	19.29	19.32	0.0	20.0	21.16	21.27	21.27	0.0	22.0																				
	256QAM	50	24	15.68	15.55	15.64	0.0	16.5	16.40	16.66	16.70	0.0	17.5	19.32	19.47	19.47	0.0	20.0	21.27	21.26	21.30	0.0	22.0																				
		50	50	15.72	15.85	15.72	0.0	16.5	16.59	16.65	16.59	0.0	17.5	19.45	19.45	19.36	0.0	20.0	21.15	21.29	21.25	0.0	22.0																				
		100	0	15.55	15.56	15.75	0.0	16.5	16.52	16.56	16.58	0.0	17.5	19.20	19.46	19.33	0.0	20.0	21.04	21.09	21.36	0.0	22.0																				
		1	0	15.43	15.37	15.78	0.0	16.5	16.16	16.29	16.74	0.0	17.5	19.39	19.52	19.32	0.0	20.0	19.61	19.23	19.25	2.0	20.0																				
1		49	15.40	15.87	15.62	0.0	16.5	16.98	16.70	16.71	0.0	17.5	19.33	19.78	19.59	0.0	20.0	19.69	19.81	19.51	2.0	20.0																					
1		99	15.68	15.73	15.86	0.0	16.5	16.37	17.21	16.65	0.0	17.5	19.54	19.40	19.42	0.0	20.0	19.53	19.61	19.35	2.0	20.0																					
	50	0	15.41	15.51	15.64	0.0	16.5	16.42	16.54	16.64	0.0	17.5	19.24	19.50	19.31	0.0	20.0	19.36	19.32	19.54	2.0	20.0																					
	50	24	15.70	15.75	15.73	0.0	16.5	16.68	16.61	16.56	0.0	17.5	19.30	19.32	19.24	0.0	20.0	19.48	19.43	19.65	2.0	20.0																					
	50	50	15.59	15.62	15.76	0.0	16.5	16.56	16.59	16.72	0.0	17.5	19.17	19.45	19.30	0.0	20.0	19.50	19.52	19.60	2.0	20.0																					
	100	0	15.45	15.56	15.64	0.0	16.5	16.62	16.59	16.64	0.0	17.5	19.28	19.45	19.24	0.0	20.0	19.45	19.46	19.46	2.0	20.0																					

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 = 0, 2					DSI = 1					DSI = 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					27710					27710					27710			
10 MHz	QPSK	1	0		13.95		0.0	14.5		16.83		0.0	17.5		23.82		0.0	24.5
		1	25		13.93		0.0	14.5		16.82		0.0	17.5		23.80		0.0	24.5
		1	49		13.85		0.0	14.5		16.79		0.0	17.5		23.16		0.0	24.5
		25	0		13.89		0.0	14.5		16.86		0.0	17.5		23.03		1.0	23.5
		25	12		13.87		0.0	14.5		16.85		0.0	17.5		23.08		1.0	23.5
		25	25		13.91		0.0	14.5		16.87		0.0	17.5		23.16		1.0	23.5
		50	0		13.88		0.0	14.5		16.86		0.0	17.5		22.93		1.0	23.5
	16QAM	1	0		14.07		0.0	14.5		17.03		0.0	17.5		22.97		1.0	23.5
		1	25		14.14		0.0	14.5		17.10		0.0	17.5		22.81		1.0	23.5
		1	49		13.96		0.0	14.5		16.98		0.0	17.5		22.38		1.0	23.5
		25	0		13.83		0.0	14.5		16.92		0.0	17.5		22.04		2.0	22.5
		25	12		13.88		0.0	14.5		16.94		0.0	17.5		22.17		2.0	22.5
		25	25		13.84		0.0	14.5		16.92		0.0	17.5		22.07		2.0	22.5
		50	0		13.85		0.0	14.5		16.87		0.0	17.5		21.77		2.0	22.5
	64QAM	1	0		14.00		0.0	14.5		17.07		0.0	17.5		22.41		2.0	22.5
		1	25		14.09		0.0	14.5		17.14		0.0	17.5		22.33		2.0	22.5
		1	49		14.00		0.0	14.5		17.11		0.0	17.5		21.61		2.0	22.5
		25	0		13.84		0.0	14.5		16.87		0.0	17.5		20.94		3.0	21.5
		25	12		13.88		0.0	14.5		16.91		0.0	17.5		21.09		3.0	21.5
		25	25		13.82		0.0	14.5		16.90		0.0	17.5		21.07		3.0	21.5
		50	0		13.83		0.0	14.5		16.88		0.0	17.5		21.07		3.0	21.5
	256QAM	1	0		13.94		0.0	14.5		17.00		0.0	17.5		19.18		5.0	19.5
		1	25		14.11		0.0	14.5		17.11		0.0	17.5		19.11		5.0	19.5
		1	49		13.85		0.0	14.5		16.93		0.0	17.5		18.56		5.0	19.5
		25	0		13.90		0.0	14.5		16.85		0.0	17.5		19.28		5.0	19.5
		25	12		13.90		0.0	14.5		16.90		0.0	17.5		19.29		5.0	19.5
		25	25		13.88		0.0	14.5		16.85		0.0	17.5		19.26		5.0	19.5
		50	0		13.89		0.0	14.5		16.85		0.0	17.5		19.25		5.0	19.5

LTE Band 30 (Ant. F) 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 = 0, 2					DSI = 1					DSI = 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					27710					27710					27710			
					2310 MHz				2310 MHz					2310 MHz				
10 MHz	QPSK	1	0		13.77		0.0	15.0		16.69		0.0	17.5		18.44		0.0	19.0
		1	25		13.76		0.0	15.0		16.64		0.0	17.5		18.43		0.0	19.0
		1	49		13.75		0.0	15.0		16.62		0.0	17.5		18.35		0.0	19.0
		25	0		13.76		0.0	15.0		16.75		0.0	17.5		18.27		0.0	19.0
		25	12		13.75		0.0	15.0		16.75		0.0	17.5		18.29		0.0	19.0
		25	25		13.77		0.0	15.0		16.76		0.0	17.5		18.31		0.0	19.0
		50	0		13.76		0.0	15.0		16.71		0.0	17.5		18.30		0.0	19.0
	16QAM	1	0		13.94		0.0	15.0		17.00		0.0	17.5		18.49		0.0	19.0
		1	25		13.91		0.0	15.0		17.08		0.0	17.5		18.41		0.0	19.0
		1	49		13.86		0.0	15.0		16.87		0.0	17.5		18.45		0.0	19.0
		25	0		13.73		0.0	15.0		16.80		0.0	17.5		18.26		0.0	19.0
		25	12		13.79		0.0	15.0		16.80		0.0	17.5		18.32		0.0	19.0
		25	25		13.75		0.0	15.0		16.82		0.0	17.5		18.28		0.0	19.0
		50	0		13.79		0.0	15.0		16.73		0.0	17.5		18.28		0.0	19.0
	64QAM	1	0		13.97		0.0	15.0		17.20		0.0	17.5		18.45		0.0	19.0
		1	25		14.02		0.0	15.0		17.36		0.0	17.5		18.46		0.0	19.0
		1	49		13.89		0.0	15.0		17.10		0.0	17.5		18.37		0.0	19.0
		25	0		13.78		0.0	15.0		16.78		0.0	17.5		18.25		0.0	19.0
		25	12		13.85		0.0	15.0		16.82		0.0	17.5		18.31		0.0	19.0
		25	25		13.77		0.0	15.0		16.82		0.0	17.5		18.26		0.0	19.0
		50	0		13.85		0.0	15.0		16.79		0.0	17.5		18.29		0.0	19.0
	256QAM	1	0		14.11		0.0	15.0		16.93		0.0	17.5		18.38		0.0	19.0
		1	25		14.03		0.0	15.0		17.04		0.0	17.5		18.50		0.0	19.0
		1	49		13.92		0.0	15.0		16.85		0.0	17.5		18.33		0.0	19.0
		25	0		13.80		0.0	15.0		16.83		0.0	17.5		18.26		0.0	19.0
		25	12		13.81		0.0	15.0		16.80		0.0	17.5		18.32		0.0	19.0
		25	25		13.80		0.0	15.0		16.84		0.0	17.5		18.27		0.0	19.0
		50	0		13.82		0.0	15.0		16.80		0.0	17.5		18.27		0.0	19.0

LTE Band 7 (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 = 0, 2					DSI = 1					DSI = 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				20850 2510 MHz	21100 2535 MHz	21350 2560 MHz			20850 2510 MHz	21100 2535 MHz	21350 2560 MHz			20850 2510 MHz	21100 2535 MHz	21350 2560 MHz		
20 MHz	QPSK	1	0	15.09	15.02	14.83	0.0	15.5	16.44	16.41	16.24	0.0	17.0	24.07	24.81	24.73	0.0	25.0
		1	49	15.08	15.01	14.83	0.0	15.5	16.46	16.37	16.17	0.0	17.0	24.76	24.80	24.68	0.0	25.0
		1	99	15.11	14.94	14.78	0.0	15.5	16.53	16.32	16.15	0.0	17.0	24.83	24.76	24.62	0.0	25.0
		50	0	15.16	15.11	14.90	0.0	15.5	16.42	16.45	16.34	0.0	17.0	23.80	23.77	23.75	1.0	24.0
		50	24	15.18	15.07	14.93	0.0	15.5	16.52	16.44	16.33	0.0	17.0	23.69	23.80	23.76	1.0	24.0
		50	50	15.19	15.01	14.94	0.0	15.5	16.58	16.37	16.27	0.0	17.0	23.82	23.78	23.76	1.0	24.0
	16QAM	100	0	15.17	15.03	14.90	0.0	15.5	16.58	16.40	16.30	0.0	17.0	23.87	23.79	23.72	1.0	24.0
		1	0	15.48	15.46	15.25	0.0	15.5	16.68	16.59	16.31	0.0	17.0	23.81	23.91	23.85	1.0	24.0
		1	49	15.43	15.46	15.25	0.0	15.5	16.71	16.56	16.37	0.0	17.0	23.84	23.89	23.88	1.0	24.0
		1	99	15.44	15.35	15.17	0.0	15.5	16.61	16.55	16.37	0.0	17.0	23.86	23.93	23.94	1.0	24.0
		50	0	15.20	15.06	14.94	0.0	15.5	16.63	16.49	16.34	0.0	17.0	22.85	22.83	22.75	2.0	23.0
		50	24	15.21	15.04	14.95	0.0	15.5	16.62	16.45	16.36	0.0	17.0	22.73	22.84	22.76	2.0	23.0
	64QAM	50	50	15.19	15.02	14.92	0.0	15.5	16.56	16.42	16.28	0.0	17.0	22.77	22.85	22.76	2.0	23.0
		100	0	15.18	15.02	14.91	0.0	15.5	16.59	16.43	16.32	0.0	17.0	22.91	22.81	22.76	2.0	23.0
		1	0	15.34	15.34	15.18	0.0	15.5	16.66	16.51	16.64	0.0	17.0	22.33	22.93	22.88	2.0	23.0
		1	49	15.29	15.28	15.14	0.0	15.5	16.60	16.62	16.55	0.0	17.0	22.92	22.95	22.83	2.0	23.0
		1	99	15.34	15.08	15.00	0.0	15.5	16.87	16.77	16.46	0.0	17.0	22.87	22.90	22.80	2.0	23.0
		50	0	15.24	15.09	14.98	0.0	15.5	16.65	16.52	16.35	0.0	17.0	21.85	21.84	21.73	3.0	22.0
	256QAM	50	24	15.21	15.07	14.98	0.0	15.5	16.62	16.47	16.35	0.0	17.0	21.92	21.83	21.74	3.0	22.0
		50	50	15.16	15.06	14.90	0.0	15.5	16.57	16.47	16.31	0.0	17.0	21.89	21.87	21.71	3.0	22.0
		100	0	15.22	15.03	14.93	0.0	15.5	16.58	16.43	16.31	0.0	17.0	21.91	21.81	21.72	3.0	22.0
		1	0	15.24	15.22	15.15	0.0	15.5	16.65	16.64	16.54	0.0	17.0	18.93	19.96	19.91	5.0	20.0
		1	49	15.40	15.27	15.15	0.0	15.5	16.77	16.75	16.55	0.0	17.0	19.89	19.95	19.91	5.0	20.0
		1	99	15.37	15.14	14.98	0.0	15.5	16.75	16.53	16.35	0.0	17.0	19.87	19.96	19.86	5.0	20.0
		50	0	15.26	15.07	14.93	0.0	15.5	16.62	16.46	16.31	0.0	17.0	19.86	19.82	19.70	5.0	20.0
		50	24	15.25	15.12	14.96	0.0	15.5	16.62	16.48	16.35	0.0	17.0	19.89	19.86	19.74	5.0	20.0
		50	50	15.20	15.04	14.93	0.0	15.5	16.58	16.41	16.32	0.0	17.0	19.87	19.88	19.75	5.0	20.0
		100	0	15.22	15.08	14.94	0.0	15.5	16.60	16.45	16.32	0.0	17.0	19.87	19.81	19.73	5.0	20.0

LTE Band 7 (Ant. F) 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 = 0, 2					DSI = 1					DSI = 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
				20850 2510 MHz	21100 2535 MHz	21350 2560 MHz			20850 2510 MHz	21100 2535 MHz	21350 2560 MHz			20850 2510 MHz	21100 2535 MHz	21350 2560 MHz		
20 MHz	QPSK	1	0	13.82	13.81	13.59	0.0	15.0	15.88	15.87	15.63	0.0	17.0	16.87	16.83	16.62	0.0	18.0
		1	49	13.77	13.80	13.59	0.0	15.0	15.87	15.87	15.58	0.0	17.0	16.86	16.74	16.53	0.0	18.0
		1	99	13.76	13.76	13.53	0.0	15.0	15.80	15.72	15.56	0.0	17.0	16.83	16.71	16.48	0.0	18.0
		50	0	13.88	13.87	13.70	0.0	15.0	15.90	15.87	15.66	0.0	17.0	16.85	16.82	16.65	0.0	18.0
		50	24	13.85	13.86	13.67	0.0	15.0	15.85	15.85	15.68	0.0	17.0	16.83	16.82	16.65	0.0	18.0
		50	50	13.78	13.84	13.63	0.0	15.0	15.88	15.77	15.65	0.0	17.0	16.83	16.74	16.56	0.0	18.0
	16QAM	100	0	13.90	13.86	13.66	0.0	15.0	15.92	15.81	15.64	0.0	17.0	16.84	16.75	16.60	0.0	18.0
		1	0	14.02	14.00	13.87	0.0	15.0	15.99	15.98	15.76	0.0	17.0	17.05	17.09	16.84	0.0	18.0
		1	49	13.98	14.02	13.85	0.0	15.0	15.89	15.93	15.70	0.0	17.0	16.92	17.02	16.75	0.0	18.0
		1	99	13.95	13.87	13.78	0.0	15.0	16.00	15.86	15.65	0.0	17.0	16.98	16.97	16.67	0.0	18.0
		50	0	13.91	13.90	13.71	0.0	15.0	15.88	15.87	15.65	0.0	17.0	16.84	16.87	16.66	0.0	18.0
		50	24	13.93	13.87	13.70	0.0	15.0	15.94	15.85	15.64	0.0	17.0	16.87	16.83	16.66	0.0	18.0
	64QAM	50	50	13.90	13.85	13.67	0.0	15.0	15.91	15.82	15.62	0.0	17.0	16.85	16.81	16.64	0.0	18.0
		100	0	13.95	13.84	13.68	0.0	15.0	15.91	15.82	15.64	0.0	17.0	16.87	16.82	16.65	0.0	18.0
		1	0	14.06	14.03	13.83	0.0	15.0	15.98	16.17	15.95	0.0	17.0	16.89	17.01	17.03	0.0	18.0
		1	49	14.09	14.00	13.79	0.0	15.0	16.20	16.19	15.88	0.0	17.0	16.99	17.04	16.85	0.0	18.0
		1	99	13.99	13.92	13.69	0.0	15.0	16.12	16.12	15.79	0.0	17.0	16.92	16.93	16.87	0.0	18.0
		50	0	13.89	13.92	13.72	0.0	15.0	15.88	15.92	15.69	0.0	17.0	16.80	16.84	16.67	0.0	18.0
	256QAM	50	24	13.92	13.89	13.72	0.0	15.0	15.92	15.87	15.67	0.0	17.0	16.87	16.83	16.68	0.0	18.0
		50	50	13.92	13.84	13.71	0.0	15.0	15.89	15.84	15.65	0.0	17.0	16.85	16.78	16.62	0.0	18.0
		100	0	13.92	13.86	13.68	0.0	15.0	15.91	15.85	15.68	0.0	17.0	16.85	16.79	16.65	0.0	18.0
		1	0	14.05	14.03	13.97	0.0	15.0	16.00	15.96	15.84	0.0	17.0	16.93	16.99	16.83	0.0	18.0
		1	49	14.12	14.12	13.86	0.0	15.0	16.15	16.04	15.79	0.0	17.0	17.12	17.04	16.81	0.0	18.0
		1	99	14.04	14.01	13.72	0.0	15.0	15.99	15.85	15.62	0.0	17.0	17.02	16.87	16.66	0.0	18.0
		50	0	13.88	13.88	13.70	0.0	15.0	15.92	15.85	15.63	0.0	17.0	16.79	16.82	16.67	0.0	18.0
		50	24	13.95	13.93	13.74	0.0	15.0	15.95	15.86	15.65	0.0	17.0	16.87	16.82	16.67	0.0	18.0
		50	50	13.91	13.83	13.69	0.0	15.0	15.93	15.79	15.61	0.0	17.0	16.87	16.77	16.65	0.0	18.0
		100	0	13.94	13.86	13.71	0.0	15.0	15.94	15.83	15.64	0.0	17.0	16.89	16.81	16.67	0.0	18.0

LTE Band 41 (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 = 0, 2							DSI = 1							DSI = 3						
				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		
20 MHz	QPSK	1	0	16.76	16.55	16.67	16.82	16.53	0.0	17.5	17.92	18.16	18.08	18.28	18.26	0.0	19.0	24.22	23.91	24.07	24.23	23.95	0.0	25.0
		1	49	16.80	16.52	16.64	16.66	16.48	0.0	17.5	17.89	18.10	18.06	18.06	18.11	0.0	19.0	24.21	23.96	24.09	24.08	23.92	0.0	25.0
		1	99	16.77	16.45	16.49	16.49	16.26	0.0	17.5	17.70	17.87	17.91	17.94	18.22	0.0	19.0	24.21	23.79	23.93	23.91	23.76	0.0	25.0
		50	0	16.80	16.63	16.64	16.85	16.54	0.0	17.5	17.94	18.19	18.07	18.25	18.06	0.0	19.0	23.27	22.95	23.01	23.28	22.94	1.0	24.0
		50	24	16.83	16.62	16.71	16.74	16.51	0.0	17.5	17.91	18.14	18.13	18.05	18.20	0.0	19.0	23.25	22.99	23.05	23.12	22.89	1.0	24.0
		50	50	16.82	16.51	16.63	16.65	16.42	0.0	17.5	17.82	18.06	18.06	17.78	18.14	0.0	19.0	23.21	22.80	22.96	23.04	22.80	1.0	24.0
	16QAM	100	0	16.81	16.56	16.67	16.70	16.47	0.0	17.5	17.86	18.12	18.08	18.01	18.24	0.0	19.0	23.16	22.94	22.99	23.18	22.86	1.0	24.0
		1	0	17.00	16.63	16.80	17.00	16.72	0.0	17.5	17.89	18.00	18.21	17.92	18.10	0.0	19.0	23.28	23.03	23.11	23.33	23.07	1.0	24.0
		1	49	17.13	16.65	16.72	16.92	16.67	0.0	17.5	17.92	17.94	18.20	18.03	18.18	0.0	19.0	23.26	22.98	23.20	23.21	22.99	1.0	24.0
		1	99	16.95	16.55	16.53	16.70	16.43	0.0	17.5	17.71	17.71	18.05	17.79	18.11	0.0	19.0	23.32	22.92	23.03	22.95	22.81	1.0	24.0
		50	0	16.83	16.65	16.68	16.82	16.55	0.0	17.5	17.95	18.20	18.09	17.89	18.04	0.0	19.0	22.09	21.91	22.02	22.17	21.95	2.0	23.0
		50	24	16.88	16.61	16.71	16.77	16.51	0.0	17.5	17.92	18.13	18.14	18.01	18.31	0.0	19.0	22.24	21.98	22.04	22.16	21.90	2.0	23.0
	64QAM	50	50	16.85	16.54	16.64	16.69	16.44	0.0	17.5	17.85	18.06	18.06	17.76	18.11	0.0	19.0	22.18	21.78	21.98	22.04	21.83	2.0	23.0
		100	0	16.84	16.56	16.68	16.73	16.51	0.0	17.5	17.89	18.11	18.10	17.98	18.26	0.0	19.0	22.23	21.93	22.01	22.09	21.88	2.0	23.0
		1	0	16.77	16.68	16.76	16.78	16.60	0.0	17.5	18.32	18.15	18.17	18.24	17.94	0.0	19.0	22.21	22.03	22.11	22.28	22.01	2.0	23.0
		1	49	16.90	16.60	16.71	16.69	16.54	0.0	17.5	18.27	18.14	18.07	18.18	17.88	0.0	19.0	22.16	22.01	22.08	22.14	21.78	2.0	23.0
		1	99	16.87	16.51	16.55	16.55	16.32	0.0	17.5	18.27	17.91	17.93	18.01	17.69	0.0	19.0	22.15	21.98	21.89	21.90	21.67	2.0	23.0
		50	0	16.82	16.66	16.68	16.81	16.58	0.0	17.5	18.03	17.89	18.08	18.22	18.01	0.0	19.0	21.07	20.92	21.01	21.16	20.90	3.0	22.0
	256QAM	50	24	16.88	16.60	16.74	16.76	16.52	0.0	17.5	18.29	18.02	18.12	18.16	17.95	0.0	19.0	21.28	21.00	21.05	21.10	20.88	3.0	22.0
		50	50	16.87	16.53	16.67	16.69	16.44	0.0	17.5	18.10	17.73	18.07	18.07	17.87	0.0	19.0	21.15	20.75	21.00	21.03	20.81	3.0	22.0
		100	0	16.84	16.58	16.71	16.76	16.52	0.0	17.5	18.27	17.98	18.11	18.15	17.92	0.0	19.0	21.21	20.93	21.01	21.06	20.86	3.0	22.0
		1	0	16.71	16.68	16.78	16.99	16.68	0.0	17.5	18.05	17.98	18.19	18.17	18.03	0.0	19.0	19.10	18.84	18.94	19.11	18.99	5.0	20.0
		1	49	16.83	16.66	16.84	16.82	16.60	0.0	17.5	18.25	18.03	18.19	18.12	17.97	0.0	19.0	19.29	18.90	19.01	19.03	18.93	5.0	20.0
		1	99	16.73	16.45	16.65	16.63	16.40	0.0	17.5	18.15	17.82	18.05	17.83	17.75	0.0	19.0	19.19	18.65	18.87	18.70	18.79	5.0	20.0
256QAM	50	0	16.80	16.61	16.67	16.82	16.58	0.0	17.5	18.18	18.02	18.09	18.23	18.02	0.0	19.0	19.12	18.92	18.99	19.13	18.92	5.0	20.0	
	50	24	16.90	16.63	16.74	16.77	16.53	0.0	17.5	18.30	18.03	18.17	18.18	17.98	0.0	19.0	19.24	18.93	19.05	19.08	18.88	5.0	20.0	
	50	50	16.89	16.50	16.67	16.67	16.47	0.0	17.5	18.25	17.91	18.10	18.11	17.90	0.0	19.0	19.19	18.80	18.97	19.01	18.77	5.0	20.0	
	100	0	16.87	16.59	16.72	16.76	16.52	0.0	17.5	18.26	17.98	18.13	18.19	17.97	0.0	19.0	19.20	18.91	19.03	19.08	18.84	5.0	20.0	

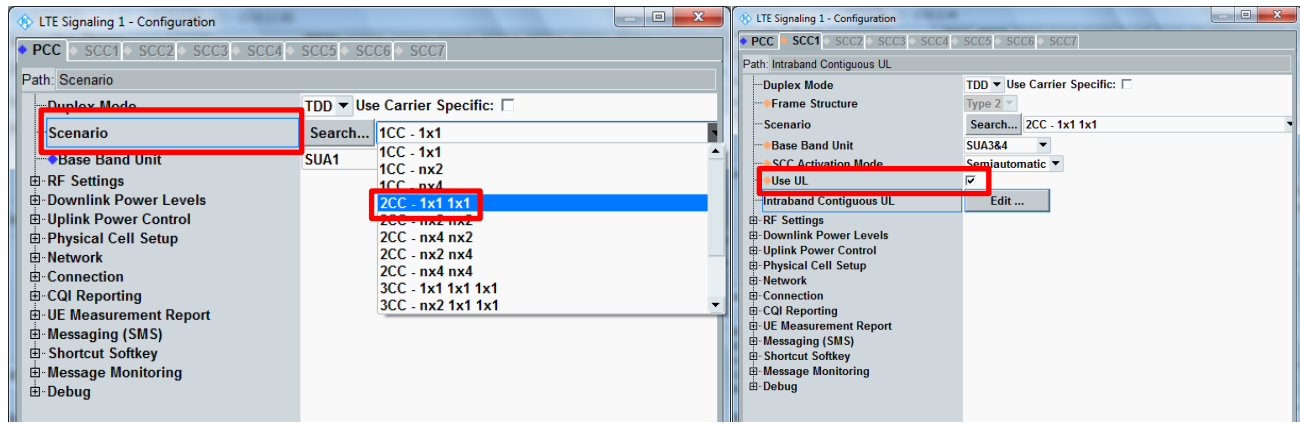
LTE Band 48 (Ant. E) Measured Results

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)						Maximum Allowed Average Power (dBm)						Maximum Allowed Average Power (dBm)					
				DSI = 0						DSI = 1, 2						DSI = 3					
				Measured Pwr (dBm)				MFR	Tune-up Limit	Measured Pwr (dBm)				MFR	Tune-up Limit	Measured Pwr (dBm)				MFR	Tune-up Limit
				55340	55773	56207	56640			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			3560 MHz	3603.3 MHz	3646.7 MHz	3690 MHz		
20 MHz	QPSK	1	0	17.50	17.54	17.45	17.39	0.0	18.0	19.76	19.75	19.83	19.73	0.0	20.0	20.53	20.60	20.54	20.41	0.0	21.0
		1	49	17.58	17.59	17.51	17.40	0.0	18.0	19.80	19.86	19.83	19.73	0.0	20.0	20.66	20.66	20.57	20.41	0.0	21.0
		1	99	17.55	17.56	17.60	17.29	0.0	18.0	19.82	19.86	19.88	19.68	0.0	20.0	20.64	20.61	20.67	20.38	0.0	21.0
		50	0	17.62	17.62	17.64	17.45	0.0	18.0	19.88	19.89	19.96	19.79	0.0	20.0	20.69	20.69	20.70	20.50	0.0	21.0
		50	24	17.63	17.63	17.62	17.46	0.0	18.0	19.85	19.87	19.93	19.79	0.0	20.0	20.64	20.66	20.62	20.55	0.0	21.0
		50	50	17.63	17.62	17.54	17.36	0.0	18.0	19.85	19.86	19.87	19.70	0.0	20.0	20.67	20.66	20.58	20.44	0.0	21.0
	16QAM	100	0	17.61	17.60	17.59	17.43	0.0	18.0	19.81	19.84	19.92	19.76	0.0	20.0	20.64	20.60	20.61	20.52	0.0	21.0
		1	0	17.58	17.59	17.63	17.56	0.0	18.0	19.84	19.89	19.94	19.93	0.0	20.0	20.77	20.76	20.76	20.62	0.0	21.0
		1	49	17.76	17.74	17.68	17.58	0.0	18.0	19.92	19.96	19.96	19.92	0.0	20.0	20.82	20.84	20.72	20.54	0.0	21.0
		1	99	17.67	17.70	17.67	17.53	0.0	18.0	19.93	19.98	19.92	19.88	0.0	20.0	20.87	20.72	20.68	20.51	0.0	21.0
		50	0	17.66	17.64	17.59	17.47	0.0	18.0	19.86	19.84	19.95	19.79	0.0	20.0	20.72	20.71	20.60	20.49	0.0	21.0
		50	24	17.64	17.64	17.63	17.50	0.0	18.0	19.83	19.85	19.97	19.83	0.0	20.0	20.68	20.66	20.69	20.46	0.0	21.0
	64QAM	50	50	17.64	17.62	17.53	17.37	0.0	18.0	19.82	19.85	19.88	19.71	0.0	20.0	20.70	20.68	20.58	20.39	0.0	21.0
		100	0	17.62	17.59	17.59	17.43	0.0	18.0	19.80	19.82	19.94	19.80	0.0	20.0	20.66	20.64	20.66	20.45	0.0	21.0
		1	0	17.53	17.61	17.55	17.39	0.0	18.0	19.79	19.81	19.92	19.79	0.0	20.0	20.71	20.60	20.65	20.34	0.0	21.0
		1	49	17.65	17.63	17.52	17.42	0.0	18.0	19.90	19.91	19.94	19.87	0.0	20.0	20.79	20.80	20.64	20.47	0.0	21.0
		1	99	17.61	17.61	17.60	17.28	0.0	18.0	19.83	19.95	19.87	19.74	0.0	20.0	20.73	20.62	20.72	20.41	0.0	21.0
		50	0	17.69	17.62	17.59	17.45	0.0	18.0	19.87	19.89	19.94	19.78	0.0	20.0	20.24	20.18	20.16	19.97	0.0	21.0
	256QAM	50	24	17.67	17.64	17.60	17.46	0.0	18.0	19.85	19.87	19.97	19.86	0.0	20.0	20.20	20.20	20.17	20.01	0.0	21.0
		50	50	17.65	17.64	17.51	17.35	0.0	18.0	19.85	19.86	19.92	19.75	0.0	20.0	20.19	20.18	20.09	19.88	0.0	21.0
		100	0	17.64	17.61	17.60	17.45	0.0	18.0	19.82	19.84	20.00	19.81	0.0	20.0	20.18	20.15	20.17	19.99	0.0	21.0
		1	0	17.54	17.61	17.51	17.57	0.0	18.0	18.18	18.23	18.30	18.25	1.5	18.5	18.02	18.19	18.01	18.02	2.5	18.5
		1	49	17.69	17.72	17.71	17.55	0.0	18.0	18.30	18.35	18.34	18.24	1.5	18.5	18.22	18.25	18.10	18.03	2.5	18.5
		1	99	17.68	17.59	17.57	17.33	0.0	18.0	18.20	18.19	18.25	18.08	1.5	18.5	18.07	18.08	18.01	17.87	2.5	18.5
		50	0	17.66	17.66	17.59	17.47	0.0	18.0	18.38	18.36	18.44	18.33	1.5	18.5	18.21	18.17	18.13	17.97	2.5	18.5
		50	24	17.64	17.66	17.62	17.46	0.0	18.0	18.35	18.39	18.47	18.36	1.5	18.5	18.20	18.16	18.19	18.02	2.5	18.5
		50	50	17.65	17.65	17.55	17.38	0.0	18.0	18.34	18.38	18.40	18.26	1.5	18.5	18.21	18.17	18.08	17.87	2.5	18.5
		100	0	17.64	17.62	17.63	17.45	0.0	18.0	18.33	18.35	18.44	18.33	1.5	18.5	18.16	18.13	18.17	17.98	2.5	18.5

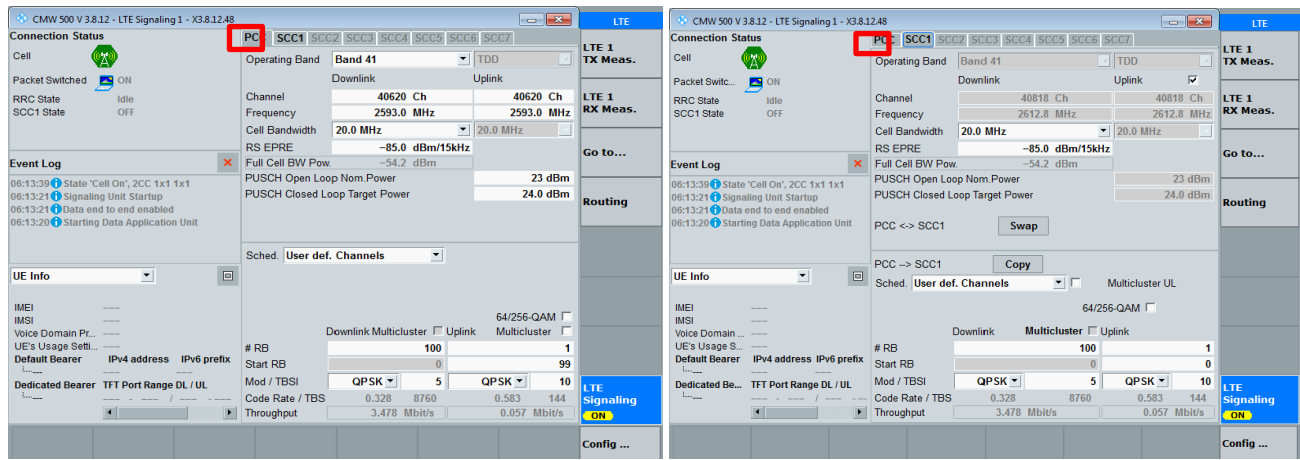
9.3.1. LTE Uplink Carrier Aggregation

LTE Uplink Carrier Aggregation – Output power measurement procedures

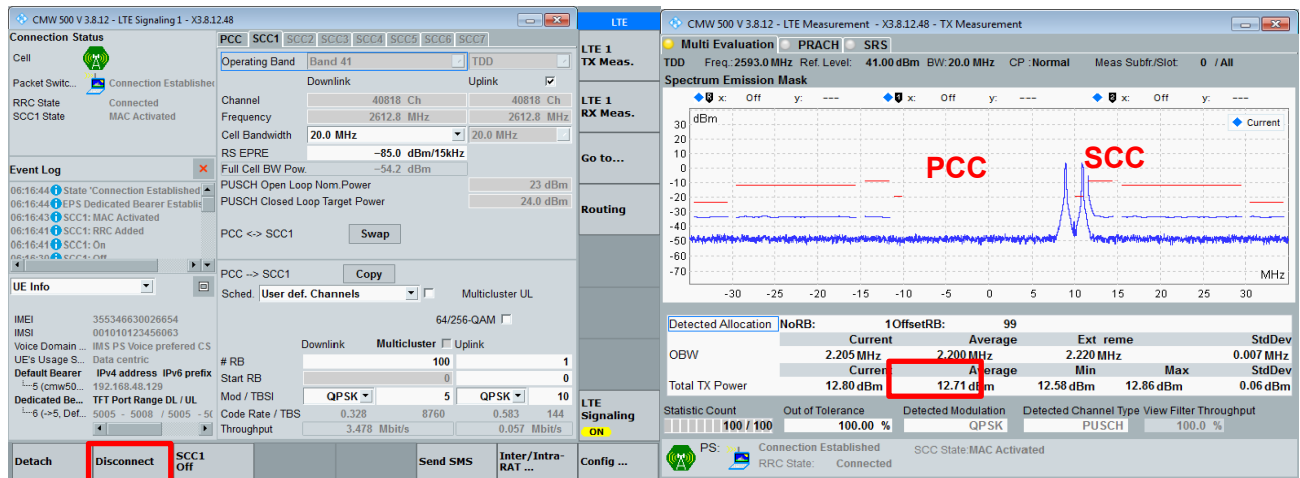
- Change the Scenario in the Configuration of LTE Signaling
Select “2CC – 1x1 1x1” for Uplink Carrier Aggregation
- Check the box next to the “Use UL”



- Back to the LTE Signal screen, and then select the PCC tab, Set operating band, BW, channel and RB configurations for PCC
- Select the SCC1 tab, Set operating band, BW, channel, and RB configurations for SCC1



- Click the “Connect” button at the bottom of the screen, if necessary, turn the Airplane mode on/off in the DUT
- Check the spectrum of UL CA in Spectrum Emission Mask (LTE Tx Meas.)



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

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

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

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

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

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

SAR measurement is not required for the 16QAM and 64QAM. When the highest maximum output power for 16QAM and 64QAM is ≤ 0.25 dB higher than the QPSK or when the reported SAR for the QPSK configuration is ≤ 1.45 W/kg.

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E-UTRA CA configuration (BCS)	Antenna	DSI	UL																			
			PCC						SCC						MPR	Standalone	PCC + SCC					
			Modulation	RB	Offset	BW	Freq	ch	Modulation	RB	Offset	BW	Freq	ch			LTE Rel.8	Aggregated BW	MPR	Tune-Up Limit	CA power (total PCC+SCC)	Delta
CA_48C(0)	AntE	2	QPSK	50	0	20	3646.7	56207	QPSK	50	50	20	3626.9	56009	0	19.96	40	0	20.0	19.84	-0.12	17
		0	QPSK	50	0	20	3646.7	56207	QPSK	50	50	20	3626.9	56009	0	17.64	40	0	18.0	17.82	0.18	17

Folder Close

E-UTRA CA configuration (BCS)	Antenna	DSI	UL																			
			PCC						SCC						MPR	Standalone	PCC + SCC					
			Modulation	RB	Offset	BW	Freq	ch	Modulation	RB	Offset	BW	Freq	ch			LTE Rel.8	Aggregated BW	MPR	Tune-Up Limit	CA power (total PCC+SCC)	Delta
CA_48C(0)	AntE	3	QPSK	1	99	20	3646.7	56207	QPSK	1	0	20	3666.5	56405	0	20.67	40	0	21.0	20.53	-0.14	17
		1	QPSK	50	0	20	3646.7	56207	QPSK	50	50	20	3626.9	56009	0	19.96	40	0	20.0	19.76	-0.20	17

Note:

Standalone output power values are referenced from Sec.9.3.

9.4. NTN (Non-Terrestrial Networks)

NTN Band 255 (Ant. F) Measured Results

BW (MHz)	Mode	SCS	Tone	offset	Maximum Allowed Average Power (dBm)					Maximum Allowed Average Power (dBm)				
					DSI = 0					DSI = 1				
					Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
					261505	261674	261843			261505	261674	261843		
					1626.60 MHz	1643.50 MHz	1660.40 MHz			1626.60 MHz	1643.50 MHz	1660.40 MHz		
200 kHz	BPSK	3.75k SCS	1 tone	0 Sub	18.65	18.59	18.54	0.0	19.5	19.86	20.10	19.52	0.0	20.5
			1 tone	23 Sub	18.67	18.76	18.53	0.0	19.5	19.70	20.02	19.55	0.0	20.5
			1 tone	47 Sub	18.62	18.71	18.53	0.0	19.5	19.61	20.07	19.51	0.0	20.5
		15k SCS	1 tone	0 Sub	18.63	18.73	18.54	0.0	19.5	19.65	20.13	19.53	0.0	20.5
			1 tone	11 Sub	18.64	18.75	18.54	0.0	19.5	19.59	20.12	19.56	0.0	20.5
			1 tone	0 Sub	18.67	18.75	18.58	0.0	19.5	19.78	20.15	19.53	0.0	20.5
	QPSK	3.75k SCS	1 tone	23 Sub	18.61	18.73	18.57	0.0	19.5	19.68	20.12	19.51	0.0	20.5
			1 tone	47 Sub	18.69	18.72	18.54	0.0	19.5	19.76	20.07	19.50	0.0	20.5
			1 tone	0 Sub	18.57	18.64	18.55	0.0	19.5	19.65	18.97	19.45	0.0	20.5
		15k SCS	1 tone	11 Sub	18.56	18.54	18.53	0.0	19.5	19.17	19.18	19.24	0.0	20.5
			3 tone	0 Sub	18.37	18.39	18.59	0.0	19.5	19.72	19.83	19.82	0.0	20.5
			3 tone	9 Sub	18.38	18.65	18.58	0.0	19.5	19.48	19.56	19.52	0.0	20.5
			6 tone	0 Sub	18.41	18.62	18.59	0.0	19.5	18.85	19.02	19.32	0.0	20.5
			6 tone	6 Sub	18.39	18.55	18.55	0.0	19.5	18.94	20.02	19.44	0.0	20.5
			12 tone	0 Sub	18.38	18.60	18.54	0.0	19.5	19.08	20.10	19.12	0.0	20.5

9.5. 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 6.2.3-1: Maximum Power Reduction (MPR) for Power 3

Modulation	MPR (dB)		
	Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM PI/2 BPSK	$\leq 3.5^1$	$\leq 1.2^1$	$\leq 0.2^1$
	$\leq 0.5^2$		0 ²
DFT-s-OFDM QPSK	≤ 1		0
DFT-s-OFDM 16 QAM	≤ 2		≤ 1
DFT-s-OFDM 64 QAM	≤ 2.5		
DFT-s-OFDM 256 QAM	≤ 4.5		
CP-OFDM QPSK	≤ 3		≤ 1.5
CP-OFDM 16 QAM	≤ 3		≤ 2
CP-OFDM 64 QAM	≤ 3.5		
CP-OFDM 256 QAM	≤ 6.5		
NOTE 1: Applicable for UE operating in TDD mode with PI/2 BPSK modulation and UE indicates support for UE capability <i>powerBoosting-pi2BPSK</i> and if the IE <i>powerBoostPi2BPSK</i> is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0dB MPR is 28dBm.			
NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 and if the IE <i>powerBoostPi2BPSK</i> is set to 0 and if more than 40% of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.			

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

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

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

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

Channel Bandwidth	SCS(kHz)	OFDM	RB allocation							
			Edge_Full_Left	Edge_Full_Right	Edge_IRB_Left	Edge_IRB_Right	Outer_Full	Inner_Full	Inner_IRB_Left	Inner_IRB_Right
5MHz	15	DFT-s	2②0	2②23	1②0	1②24	25②0	12②6	1②1	1②23
		CP	2②0	2②23	1②0	1②24	25②0	13②6	1②1	1②23
	30	DFT-s	2②0	2②9	1②0	1②10	10②0	5②2 ¹	1②1	1②9
		CP	2②0	2②9	1②0	1②10	11②0	5②2 ¹	1②1	1②9
	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	2②0	2②50	1②0	1②51	50②0	25②12	1②1	1②50
		CP	2②0	2②50	1②0	1②51	52②0	26②13	1②1	1②50
	30	DFT-s	2②0	2②22	1②0	1②23	24②0	12②6	1②1	1②22
		CP	2②0	2②22	1②0	1②23	24②0	12②6	1②1	1②22
	60	DFT-s	2②0	2②9	1②0	1②10	10②0	5②2 ¹	1②1	1②9
		CP	2②0	2②9	1②0	1②10	11②0	5②2 ¹	1②1	1②9
15MHz	15	DFT-s	2②0	2②77	1②0	1②78	75②0	36②18	1②1	1②77
		CP	2②0	2②77	1②0	1②78	79②0	39②19 ¹	1②1	1②77
	30	DFT-s	2②0	2②36	1②0	1②37	36②0	18②9	1②1	1②36
		CP	2②0	2②36	1②0	1②37	38②0	19②9	1②1	1②36
	60	DFT-s	2②0	2②16	1②0	1②17	16②0	8②4	1②1	1②16
		CP	2②0	2②16	1②0	1②17	16②0	9②4	1②1	1②16
20MHz	15	DFT-s	2②0	2②104	1②0	1②105	100②0	50②25	1②1	1②104
		CP	2②0	2②104	1②0	1②105	105②0	53②26	1②1	1②104
	30	DFT-s	2②0	2②49	1②0	1②50	50②0	25②12	1②1	1②49
		CP	2②0	2②49	1②0	1②50	51②0	25②12 ¹	1②1	1②49
	60	DFT-s	2②0	2②22	1②0	1②23	24②0	12②6	1②1	1②22
		CP	2②0	2②22	1②0	1②23	24②0	12②6	1②1	1②22
25MHz	15	DFT-s	2②0	2②131	1②0	1②132	128②0	64②32	1②1	1②131
		CP	2②0	2②131	1②0	1②132	133②0	67②33	1②1	1②131
	30	DFT-s	2②0	2②63	1②0	1②64	64②0	32②16	1②1	1②63
		CP	2②0	2②63	1②0	1②64	65②0	33②16	1②1	1②63
	60	DFT-s	2②0	2②29	1②0	1②30	30②0	15②7 ¹	1②1	1②29
		CP	2②0	2②29	1②0	1②30	31②0	15②7 ¹	1②1	1②29
30MHz	15	DFT-s	2②0	2②158	1②0	1②159	160②0	80②40	1②1	1②158
		CP	2②0	2②158	1②0	1②159	160②0	80②40	1②1	1②158
	30	DFT-s	2②0	2②76	1②0	1②77	75②0	36②18	1②1	1②76
		CP	2②0	2②76	1②0	1②77	78②0	39②19	1②1	1②76
	60	DFT-s	2②0	2②36	1②0	1②37	36②0	18②9	1②1	1②36
		CP	2②0	2②36	1②0	1②37	38②0	19②9	1②1	1②36
40MHz	15	DFT-s	2②0	2②214	1②0	1②215	216②0	108②54	1②1	1②214
		CP	2②0	2②214	1②0	1②215	216②0	108②54	1②1	1②214
	30	DFT-s	2②0	2②104	1②0	1②105	100②0	50②25	1②1	1②104
		CP	2②0	2②104	1②0	1②105	105②0	53②26	1②1	1②104
	60	DFT-s	2②0	2②49	1②0	1②50	50②0	25②12	1②1	1②49
		CP	2②0	2②49	1②0	1②50	51②0	25②12 ¹	1②1	1②49
50MHz	15	DFT-s	2②0	2②268	1②0	1②269	270②0	135②67	1②1	1②268
		CP	2②0	2②268	1②0	1②269	270②0	135②67	1②1	1②268
	30	DFT-s	2②0	2②131	1②0	1②132	128②0	64②32	1②1	1②131
		CP	2②0	2②131	1②0	1②132	133②0	67②33	1②1	1②131
	60	DFT-s	2②0	2②63	1②0	1②64	64②0	32②16	1②1	1②63
		CP	2②0	2②63	1②0	1②64	65②0	33②16	1②1	1②63
60MHz	15	DFT-s	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		CP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	30	DFT-s	2②0	2②160	1②0	1②161	162②0	81②40	1②1	1②160
		CP	2②0	2②160	1②0	1②161	162②0	81②40	1②1	1②160
	60	DFT-s	2②0	2②77	1②0	1②78	75②0	36②18	1②1	1②77
		CP	2②0	2②77	1②0	1②78	79②0	39②19 ¹	1②1	1②77
80MHz	15	DFT-s	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	CP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
90MHz	30	DFT-s	2②0	2②215	1②0	1②216	216②0	108②54	1②1	1②215
		CP	2②0	2②215	1②0	1②216	217②0	109②54	1②1	1②215
	60	DFT-s	2②0	2②105	1②0	1②106	100②0	50②25	1②1	1②105
		CP	2②0	2②105	1②0	1②106	107②0	53②26 ¹	1②1	1②105
	15	DFT-s	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		CP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
100MHz	30	DFT-s	2②0	2②243	1②0	1②244	240②0	120②60	1②1	1②243
		CP	2②0	2②243	1②0	1②244	245②0	123②61	1②1	1②243
	60	DFT-s	2②0	2②119	1②0	1②120	120②0	60②30	1②1	1②119
		CP	2②0	2②119	1②0	1②120	121②0	61②30	1②1	1②119
	15	DFT-s	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		CP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
100MHz	30	DFT-s	2②0	2②271	1②0	1②272	270②0	135②67	1②1	1②271
		CP	2②0	2②271	1②0	1②272	273②0	137②68	1②1	1②271
	60	DFT-s	2②0	2②133	1②0	1②134	135②0	64②32	1②1	1②133
		CP	2②0	2②133	1②0	1②134	135②0	67②33 ¹	1②1	1②133

Note 1: The allocated RB number Lo_{RB} is $\text{ceil}((N_{RB}/2) - 1)$ in order to meet inner RB allocation definition ($RB_{start,low} \leq RB_{start,high}$) described in subclause 6.2.2 of TS 38.101-1 [2].

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

- The maximum output power, including tolerance, for the smaller band must be $\leq$ the larger band to qualify for the SAR test exclusion.
 - The channel bandwidth and other operating parameters for the smaller band must be fully supported by the larger band.
- 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 (2500 – 2690 MHz)
 - NR Band n78 (3450 – 3550 MHz & 3700 – 3800 MHz) is covered by NR Band n77 (3450 – 3550 MHz & 3700 – 3980 MHz)

NR Band output power measurement guide.

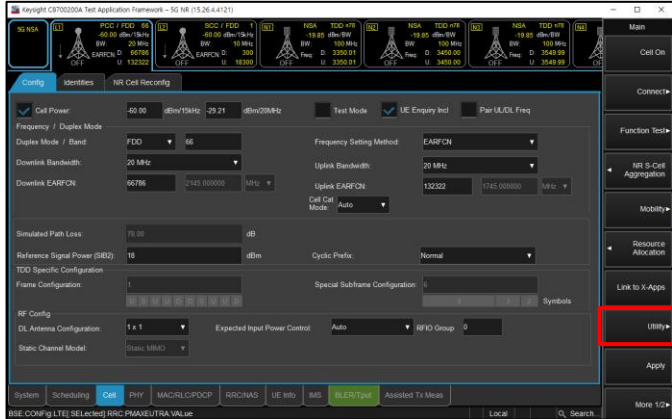
For NR TDD Bands, Due to test setup limitations, NR TDD output power was measured using test mode software to establish the connection.

For NR FDD Bands, NR FDD output power was measured using Call box. Please check below set-up guide.

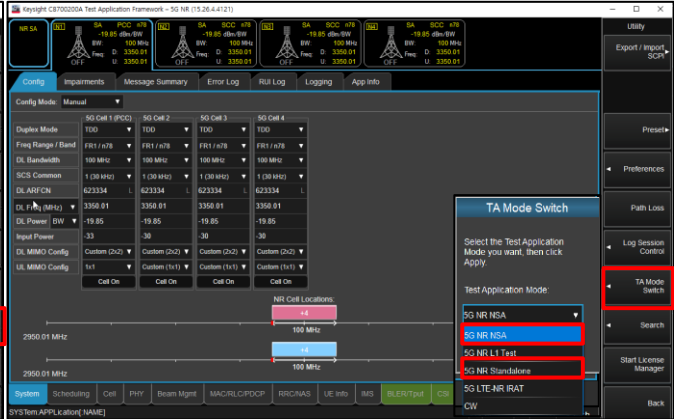
Call Box used to establish power measurement for NR FDD Bands

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



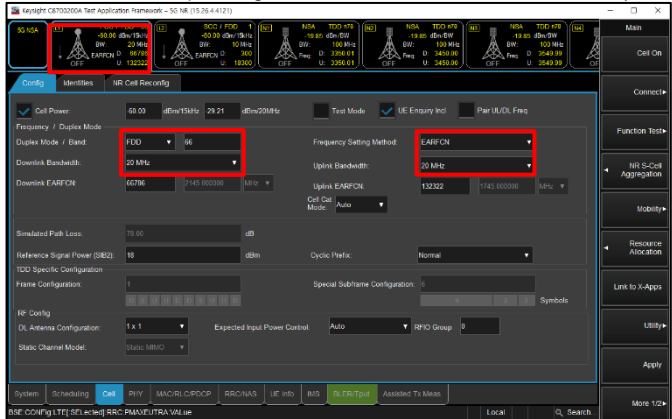
(Figure 1-1)



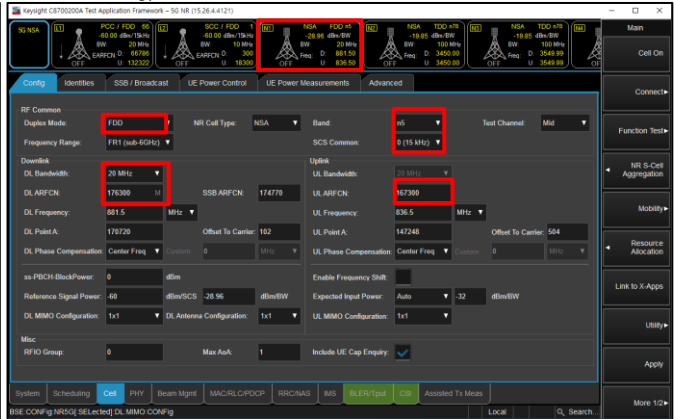
(Figure 1-2)

NSA Mode

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

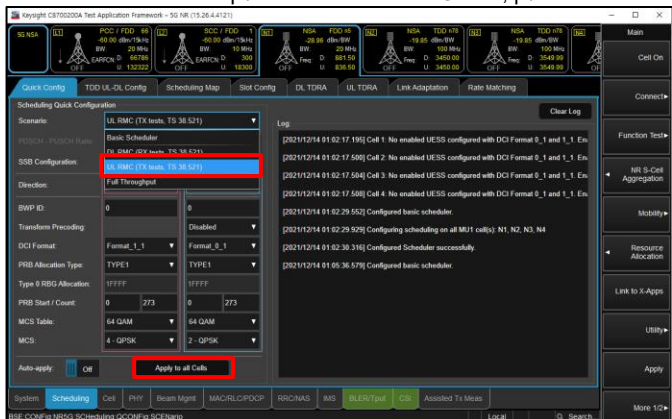


(Figure 2-1)

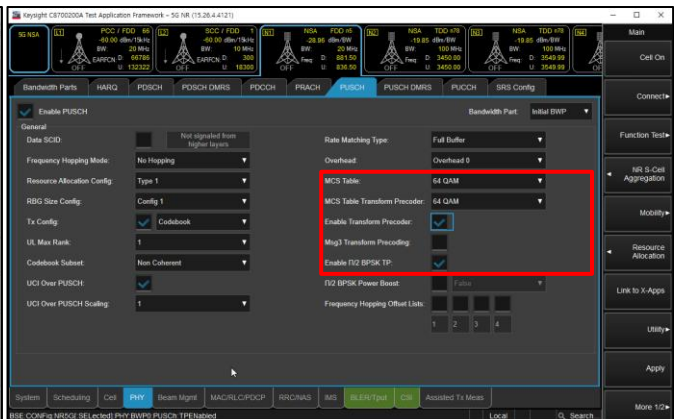


(Figure 2-2)

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

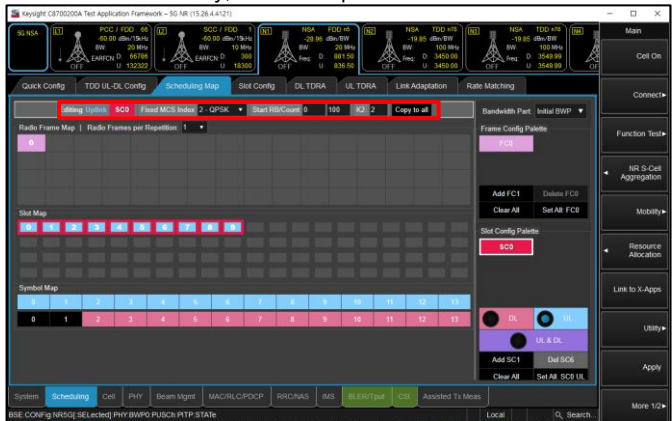


(Figure 2-3)

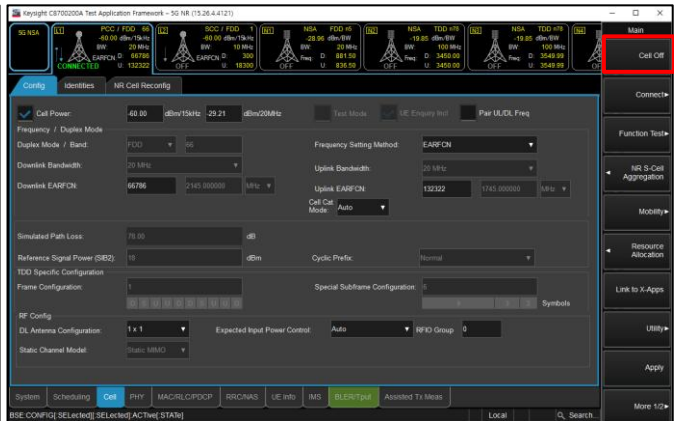


(Figure 2-4)

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

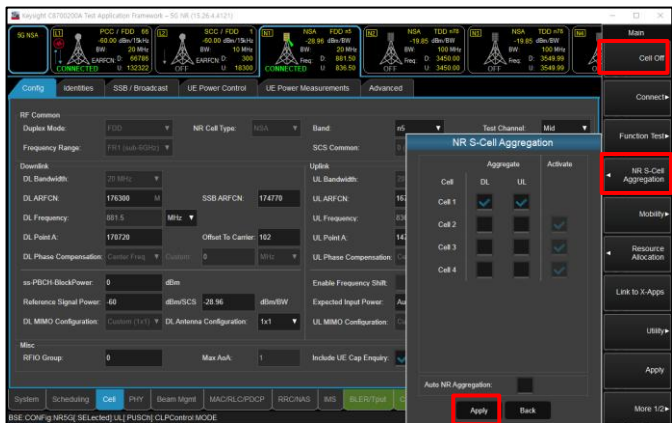


(Figure 2-5)

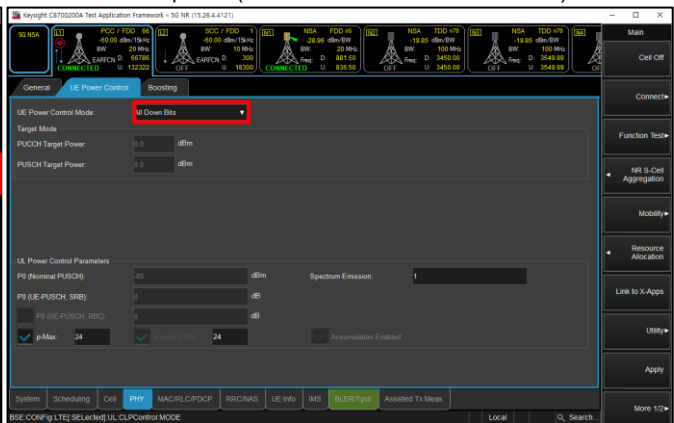


(Figure 2-6)

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

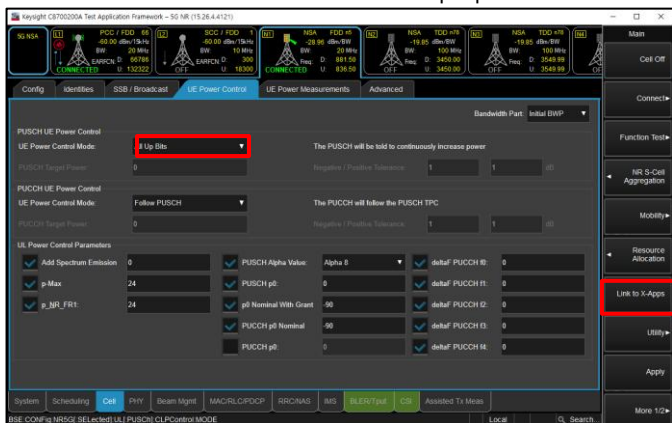


(Figure 2-7)

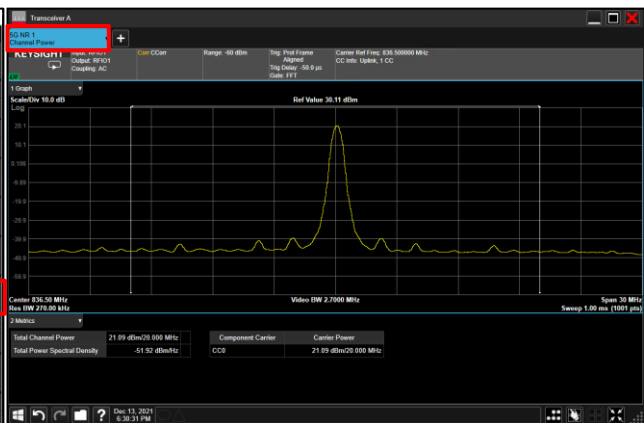


(Figure 2-8)

- 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”
- Select “Channel Power” for NR output power



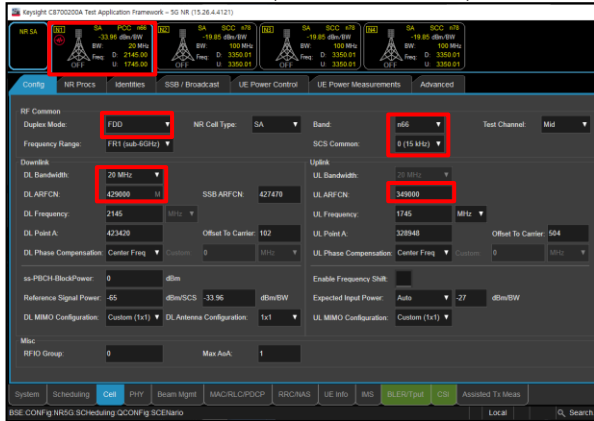
(Figure 2-9)



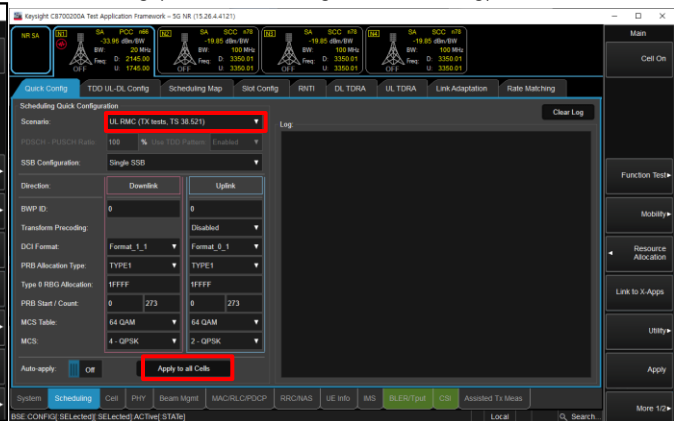
(Figure 2-10)

SA Mode

- Select operating band, SCS, BW and Channel for NR (NR -> Cell -> Config)
- Select "UL RMC (TX tests, TS 38.521)" for maximum power RB scheduling (NR -> Scheduling -> Quick Config)

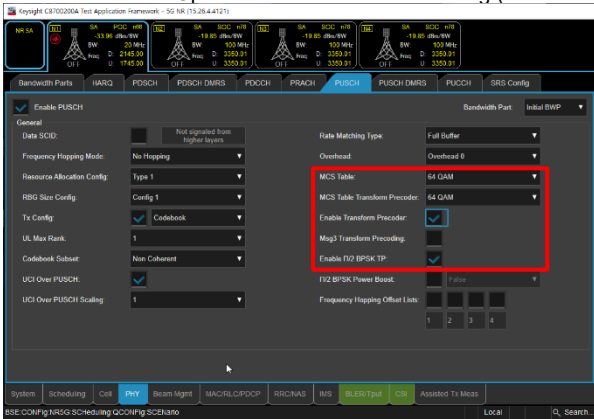


(Figure 3-1)

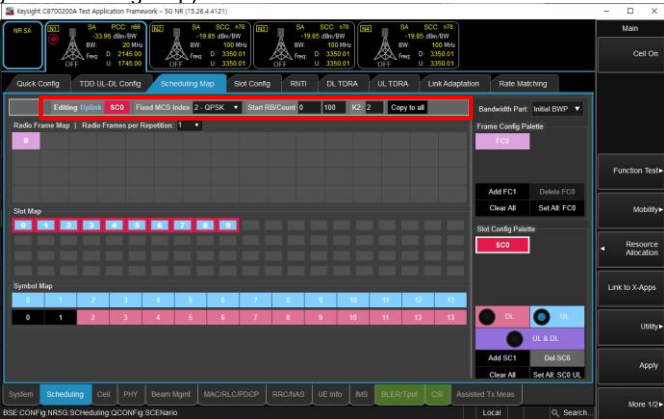


(Figure 3-2)

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

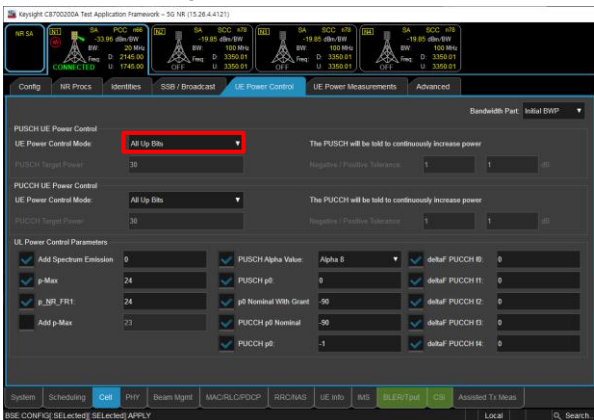


(Figure 3-3)



(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"
- Select "Channel Power"



(Figure 3-5)



(Figure 3-6)

This section only summarizes output power of largest bandwidth. For other lower bandwidths' output power results, refer to Appendix G.

NR Band n71 (Ant. A& Ant. A+B) 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 Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit	
						136100					136100				
					680.50 MHz				680.50 MHz						
35 MHz	DFT-s-OFDM	π/2 BPSK	1	1		22.03		0.0	23.0		24.08		0.0	25.5	
			1	93		22.24		0.0	23.0		24.19		0.0	25.5	
			1	186		22.23		0.0	23.0		24.22		0.0	25.5	
			90	0		22.34		0.0	23.0		23.33		0.5	25.0	
			90	49		22.28		0.0	23.0		24.36		0.0	25.5	
			90	98		22.36		0.0	23.0		23.37		0.5	25.0	
			180	0		22.38		0.0	23.0		23.42		0.5	25.0	
		QPSK	1	1		22.14		0.0	23.0		24.12		0.0	25.5	
			1	93		22.27		0.0	23.0		24.18		0.0	25.5	
			1	186		22.15		0.0	23.0		24.14		0.0	25.5	
			90	0		22.29		0.0	23.0		23.39		1.0	24.5	
			90	49		22.47		0.0	23.0		24.35		0.0	25.5	
			90	98		22.46		0.0	23.0		23.26		1.0	24.5	
			180	0		22.32		0.0	23.0		23.39		1.0	24.5	
		16QAM	1	1		21.97		0.0	23.0		22.95		1.0	24.5	
			1	93		22.05		0.0	23.0		23.05		1.0	24.5	
			1	186		21.85		0.0	23.0		22.98		1.0	24.5	
			64QAM	1	1		21.78		0.0	23.0		21.76		2.5	23.0
			256QAM	1	1		18.89		2.0	21.0		18.88		4.5	21.0
		CP-OFDM	QPSK	1	1		22.31		0.0	23.0		22.72		1.5	24.0

NR Band n71 (Ant.D) 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)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
						136100					136100					136100			
35 MHz	DFT-s-OFDM	π/2 BPSK	1	1		21.45		0.0	23.0		22.31		0.0	24.0		23.58		0.0	25.5
			1	93		21.43		0.0	23.0		22.58		0.0	24.0		23.82		0.0	25.5
			1	186		21.40		0.0	23.0		22.30		0.0	24.0		23.62		0.0	25.5
			90	0		21.62		0.0	23.0		22.35		0.0	24.0		22.74		0.5	25.0
			90	49		21.69		0.0	23.0		22.35		0.0	24.0		23.76		0.0	25.5
			90	98		21.46		0.0	23.0		22.36		0.0	24.0		22.75		0.5	25.0
			180	0		21.56		0.0	23.0		22.28		0.0	24.0		22.83		0.5	25.0
		QPSK	1	1		21.44		0.0	23.0		22.27		0.0	24.0		23.67		0.0	25.5
			1	93		21.50		0.0	23.0		22.45		0.0	24.0		23.69		0.0	25.5
			1	186		21.33		0.0	23.0		22.28		0.0	24.0		23.60		0.0	25.5
			90	0		21.60		0.0	23.0		22.32		0.0	24.0		22.83		1.0	24.5
			90	49		21.64		0.0	23.0		22.34		0.0	24.0		23.82		0.0	25.5
			90	98		21.59		0.0	23.0		22.29		0.0	24.0		22.73		1.0	24.5
			180	0		21.60		0.0	23.0		22.27		0.0	24.0		22.86		1.0	24.5
		16QAM	1	1		21.20		0.0	23.0		22.10		0.0	24.0		22.52		1.0	24.5
			1	93		21.21		0.0	23.0		22.22		0.0	24.0		22.39		1.0	24.5
			1	186		21.23		0.0	23.0		22.07		0.0	24.0		22.58		1.0	24.5
		64QAM	1	1		21.27		0.0	23.0		21.64		1.0	23.0		21.14		2.5	23.0
		256QAM	1	1		18.54		2.0	21.0		19.06		3.0	21.0		18.98		4.5	21.0
	CP-OFDM	QPSK	1	1		21.47		0.0	23.0		22.30		0.0	24.0		22.21		1.5	24.0

NR Band n12 (Ant. A& Ant. A+B) 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)				
					141300 706.50 MHz	141500 707.50 MHz	141700 708.50 MHz	MPR	Tune-up Limit	141300 706.50 MHz	141500 707.50 MHz	141700 708.50 MHz	MPR	Tune-up Limit
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1		22.30		0.0	23.0		24.21		0.0	25.2
			1	39		22.18		0.0	23.0		24.15		0.0	25.2
			1	77		22.35		0.0	23.0		24.34		0.0	25.2
			36	0		22.33		0.0	23.0		23.24		0.5	24.7
			36	21		22.29		0.0	23.0		24.30		0.0	25.2
			36	43		22.33		0.0	23.0		23.34		0.5	24.7
			75	0		22.27		0.0	23.0		23.27		0.5	24.7
		QPSK	1	1		22.27		0.0	23.0		24.24		0.0	25.2
			1	39		22.25		0.0	23.0		24.17		0.0	25.2
			1	77		22.25		0.0	23.0		24.22		0.0	25.2
			36	0		22.30		0.0	23.0		23.27		1.0	24.2
			36	21		22.32		0.0	23.0		24.25		0.0	25.2
			36	43		22.26		0.0	23.0		23.32		1.0	24.2
			75	0		22.33		0.0	23.0		23.28		1.0	24.2
		16QAM	1	1		22.06		0.0	23.0		23.01		1.0	24.2
			1	39		22.07		0.0	23.0		23.01		1.0	24.2
			1	77		22.11		0.0	23.0		23.05		1.0	24.2
		64QAM	1	1		21.90		0.3	22.7		21.81		2.5	22.7
		256QAM	1	1		19.16		2.3	20.7		19.19		4.5	20.7
	CP-OFDM	QPSK	1	1		22.32		0.0	23.0		22.84		1.5	23.7

NR Band n12 (Ant.D) 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 Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit	
						141500					141500					141500				
						707.50 MHz					707.50 MHz						707.50 MHz			
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1		21.75		0.0	23.0		22.75		0.0	24.0		23.98		0.0	25.2	
			1	39		21.71		0.0	23.0		22.69		0.0	24.0		23.92		0.0	25.2	
			1	77		21.81		0.0	23.0		22.80		0.0	24.0		24.02		0.0	25.2	
			36	0		21.90		0.0	23.0		22.76		0.5	23.5		23.07		0.5	24.7	
			36	21		21.79		0.0	23.0		22.81		0.0	24.0		24.01		0.0	25.2	
			36	43		21.89		0.0	23.0		22.76		0.5	23.5		23.08		0.5	24.7	
			75	0		21.78		0.0	23.0		22.79		0.5	23.5		23.02		0.5	24.7	
		QPSK	1	1		21.70		0.0	23.0		22.75		0.0	24.0		23.95		0.0	25.2	
			1	39		21.70		0.0	23.0		22.75		0.0	24.0		23.89		0.0	25.2	
			1	77		21.78		0.0	23.0		22.77		0.0	24.0		23.98		0.0	25.2	
			36	0		21.76		0.0	23.0		22.73		1.0	23.0		22.98		1.0	24.2	
			36	21		21.85		0.0	23.0		22.79		0.0	24.0		24.01		0.0	25.2	
			36	43		21.80		0.0	23.0		22.76		1.0	23.0		23.08		1.0	24.2	
			75	0		21.81		0.0	23.0		22.80		1.0	23.0		23.03		1.0	24.2	
		16QAM	1	1		21.45		0.0	23.0		22.53		1.0	23.0		22.73		1.0	24.2	
			1	39		21.59		0.0	23.0		22.57		1.0	23.0		22.77		1.0	24.2	
			1	77		21.60		0.0	23.0		22.63		1.0	23.0		22.80		1.0	24.2	
		64QAM	1	1		21.55		0.3	22.7		21.81		1.3	22.7		21.57		2.5	22.7	
		256QAM	1	1		18.88		2.3	20.7		19.05		3.3	20.7		18.89		4.5	20.7	
		CP-OFDM	QPSK	1	1		21.86		0.0	23.0		22.76		0.3	23.7		22.62		1.5	23.7

NR Band n14 (Ant. A& Ant. A+B) 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 Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
						158600					158600			
						793.00 MHz					793.00 MHz			
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1		22.25		0.0	23.0		24.21		0.0	25.0
			1	25		22.23		0.0	23.0		24.12		0.0	25.0
			1	50		22.18		0.0	23.0		24.17		0.0	25.0
			25	0		22.21		0.0	23.0		23.14		0.5	24.5
			25	13		22.08		0.0	23.0		24.05		0.0	25.0
			25	27		22.19		0.0	23.0		23.25		0.5	24.5
			50	0		22.21		0.0	23.0		23.08		0.5	24.5
		QPSK	1	1		22.28		0.0	23.0		24.24		0.0	25.0
			1	25		22.14		0.0	23.0		24.20		0.0	25.0
			1	50		22.19		0.0	23.0		24.18		0.0	25.0
			25	0		22.17		0.0	23.0		23.13		1.0	24.0
			25	13		22.19		0.0	23.0		24.06		0.0	25.0
			25	27		22.07		0.0	23.0		23.13		1.0	24.0
			50	0		22.22		0.0	23.0		23.11		1.0	24.0
		16QAM	1	1		22.08		0.0	23.0		23.09		1.0	24.0
			1	25		22.11		0.0	23.0		23.16		1.0	24.0
			1	50		21.98		0.0	23.0		22.95		1.0	24.0
		64QAM	1	1		21.77		0.5	22.5		21.84		2.5	22.5
		256QAM	1	1		19.11		2.5	20.5		19.10		4.5	20.5
		CP-OFDM	QPSK	1	1		22.25		0.0	23.0		22.78		1.5

NR Band n14 (Ant.D) 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)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
						158600					158600					158600			
					793.00 MHz				793.00 MHz					793.00 MHz					
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1		21.09		0.0	23.0		22.31		0.0	24.0		23.42		0.0	25.0
			1	25		21.06		0.0	23.0		22.16		0.0	24.0		23.26		0.0	25.0
			1	50		21.06		0.0	23.0		22.08		0.0	24.0		23.29		0.0	25.0
			25	0		21.07		0.0	23.0		22.19		0.5	23.5		22.32		0.5	24.5
			25	13		20.96		0.0	23.0		22.11		0.0	24.0		23.18		0.0	25.0
			25	27		21.01		0.0	23.0		22.09		0.5	23.5		22.20		0.5	24.5
			50	0		21.00		0.0	23.0		22.15		0.5	23.5		22.20		0.5	24.5
		QPSK	1	1		21.21		0.0	23.0		22.26		0.0	24.0		23.40		0.0	25.0
			1	25		21.04		0.0	23.0		22.19		0.0	24.0		23.29		0.0	25.0
			1	50		21.05		0.0	23.0		22.11		0.0	24.0		23.31		0.0	25.0
			25	0		21.03		0.0	23.0		22.23		0.0	24.0		22.29		1.0	24.0
			25	13		21.05		0.0	23.0		22.08		0.0	24.0		23.17		0.0	25.0
			25	27		20.99		0.0	23.0		22.11		0.0	24.0		22.25		1.0	24.0
			50	0		21.01		0.0	23.0		22.14		0.0	24.0		22.26		1.0	24.0
		16QAM	1	1		21.03		0.0	23.0		22.06		0.0	24.0		22.13		1.0	24.0
			1	25		20.87		0.0	23.0		21.98		0.0	24.0		22.14		1.0	24.0
			1	50		21.06		0.0	23.0		22.06		0.0	24.0		22.19		1.0	24.0
		64QAM	1	1		20.94		0.5	22.5		21.07		1.5	22.5		20.97		2.5	22.5
		256QAM	1	1		18.23		2.5	20.5		18.34		3.5	20.5		18.28		4.5	20.5
		CP-OFDM	QPSK	1	1		21.28		0.0	23.0		21.99		0.5	23.5		21.95		1.5

NR Band n26 (Ant. A& Ant. A+B) 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 Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
						166300					166300			
						831.50 MHz				831.50 MHz				
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1		22.17		0.0	23.0		24.05		0.0	25.5
			1	52		22.02		0.0	23.0		24.05		0.0	25.5
			1	104		22.06		0.0	23.0		24.07		0.0	25.5
			50	0		22.13		0.0	23.0		23.06		0.5	25.0
			50	28		22.14		0.0	23.0		24.13		0.0	25.5
			50	56		22.16		0.0	23.0		23.07		0.5	25.0
		100	0		22.12		0.0	23.0		23.10		0.5	25.0	
		QPSK	1	1		22.18		0.0	23.0		24.10		0.0	25.5
			1	52		22.02		0.0	23.0		24.08		0.0	25.5
			1	104		22.05		0.0	23.0		24.09		0.0	25.5
			50	0		22.17		0.0	23.0		23.12		1.0	24.5
			50	28		22.10		0.0	23.0		24.14		0.0	25.5
			50	56		22.07		0.0	23.0		23.07		1.0	24.5
		100	0		22.13		0.0	23.0		23.11		1.0	24.5	
		16QAM	1	1		22.04		0.0	23.0		22.99		1.0	24.5
			1	52		21.95		0.0	23.0		22.94		1.0	24.5
			1	104		22.03		0.0	23.0		23.01		1.0	24.5
		64QAM	1	1		21.75		0.0	23.0		21.67		2.5	23.0
		256QAM	1	1		19.10		2.0	21.0		19.03		4.5	21.0
		CP-OFDM	QPSK	1	1		22.16		0.0	23.0		22.64		1.5

NR Band n26 (Ant.D) 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 Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit
						166300					166300			
						831.50 MHz				831.50 MHz				
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1		20.42		0.0	22.0		23.57		0.0	25.5
			1	52		20.36		0.0	22.0		23.17		0.0	25.5
			1	104		20.36		0.0	22.0		23.55		0.0	25.5
			50	0		20.42		0.0	22.0		22.65		0.5	25.0
			50	28		20.39		0.0	22.0		23.67		0.0	25.5
			50	56		20.34		0.0	22.0		22.57		0.5	25.0
			100	0		20.41		0.0	22.0		22.57		0.5	25.0
		QPSK	1	1		20.45		0.0	22.0		23.61		0.0	25.5
			1	52		20.36		0.0	22.0		23.21		0.0	25.5
			1	104		20.35		0.0	22.0		23.53		0.0	25.5
			50	0		20.47		0.0	22.0		22.62		1.0	24.5
			50	28		20.40		0.0	22.0		23.58		0.0	25.5
			50	56		20.37		0.0	22.0		22.56		1.0	24.5
			100	0		20.39		0.0	22.0		22.54		1.0	24.5
		16QAM	1	1		20.17		0.0	22.0		22.33		1.0	24.5
			1	52		20.30		0.0	22.0		22.09		1.0	24.5
			1	104		20.07		0.0	22.0		22.26		1.0	24.5
		64QAM	1	1		20.41		0.0	22.0		21.18		2.5	23.0
		256QAM	1	1		19.21		1.0	21.0		18.62		4.5	21.0
		CP-OFDM	QPSK	1	1		20.65		0.0	22.0		22.26		1.5

NR Band n5 (Ant. A& Ant. A+B) 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 Pw r (dBm)			MPR	Tune-up Limit	Measured Pw r (dBm)			MPR	Tune-up Limit	
						167300					167300				
						836.50 MHz				836.50 MHz					
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1		22.25		0.0	23.0		24.21		0.0	25.5	
			1	52		22.11		0.0	23.0		24.12		0.0	25.5	
			1	104		22.10		0.0	23.0		24.14		0.0	25.5	
			50	0		22.25		0.0	23.0		23.19		0.5	25.0	
			50	28		22.17		0.0	23.0		24.11		0.0	25.5	
			50	56		22.18		0.0	23.0		23.17		0.5	25.0	
				100	0		22.15		0.0	23.0		23.11		0.5	25.0
		QPSK	1	1		22.17		0.0	23.0		24.18		0.0	25.5	
			1	52		22.14		0.0	23.0		24.16		0.0	25.5	
			1	104		22.10		0.0	23.0		24.11		0.0	25.5	
			50	0		22.12		0.0	23.0		23.20		0.0	25.5	
			50	28		22.20		0.0	23.0		24.19		0.0	25.5	
			50	56		22.16		0.0	23.0		23.11		1.0	24.5	
				100	0		22.19		0.0	23.0		23.09		1.0	24.5
		16QAM	1	1		21.96		0.0	23.0		22.95		1.0	24.5	
			1	52		21.89		0.0	23.0		22.80		1.0	24.5	
			1	104		21.85		0.0	23.0		22.81		1.0	24.5	
		64QAM	1	1		21.76		0.0	23.0		21.77		2.5	23.0	
		256QAM	1	1		19.09		2.0	21.0		19.09		4.5	21.0	
		CP-OFDM	QPSK	1	1		22.25		0.0	23.0		22.78		1.5	24.0

NR Band n5 (Ant.D) 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	
						167300					167300				
						836.50 MHz					836.50 MHz				
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1		20.44		0.0	22.0		23.69		0.0	25.5	
			1	52		20.45		0.0	22.0		23.60		0.0	25.5	
			1	104		20.37		0.0	22.0		23.71		0.0	25.5	
			50	0		20.45		0.0	22.0		22.61		0.5	25.0	
			50	28		20.37		0.0	22.0		23.67		0.0	25.5	
			50	56		20.45		0.0	22.0		22.62		0.5	25.0	
				100	0		20.42		0.0	22.0		22.64		0.5	25.0
		QPSK	1	1		20.49		0.0	22.0		23.62		0.0	25.5	
			1	52		20.36		0.0	22.0		23.65		0.0	25.5	
			1	104		20.40		0.0	22.0		23.69		0.0	25.5	
			50	0		20.44		0.0	22.0		22.62		1.0	24.5	
			50	28		20.40		0.0	22.0		23.67		0.0	25.5	
			50	56		20.43		0.0	22.0		22.63		1.0	24.5	
				100	0		20.44		0.0	22.0		22.64		1.0	24.5
		16QAM	1	1		20.21		0.0	22.0		22.40		1.0	24.5	
			1	52		20.18		0.0	22.0		22.47		1.0	24.5	
			1	104		20.21		0.0	22.0		22.56		1.0	24.5	
		64QAM	1	1		20.52		0.0	22.0		21.22		2.5	23.0	
		256QAM	1	1		19.15		1.0	21.0		18.61		4.5	21.0	
		CP-OFDM	QPSK	1	1		20.64		0.0	22.0		22.37		1.5	24.0

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)					Maximum Allowed Average Power (dBm)				
					DSI = 0, 2					DSI = 1					DSI = 3				
					Measured Pwr (dBm)					Measured Pwr (dBm)					Measured Pwr (dBm)				
					509000 2525.00 MHz	507000 2535.00 MHz	509000 2545.00 MHz	MFR	Tune-up Limit	509000 2525.00 MHz	507000 2535.00 MHz	509000 2545.00 MHz	MFR	Tune-up Limit	509000 2525.00 MHz	507000 2535.00 MHz	509000 2545.00 MHz	MFR	Tune-up Limit
50 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1		15.22		0.0	15.5		16.72		0.0	17.0		23.78		0.0	25.0
			1	134		15.23		0.0	15.5		16.78		0.0	17.0		23.88		0.0	25.0
			1	268		15.08		0.0	15.5		16.62		0.0	17.0		23.78		0.0	25.0
			135	0		15.21		0.0	15.5		16.76		0.0	17.0		22.79		0.5	24.5
			135	67		15.22		0.0	15.5		16.75		0.0	17.0		23.81		0.0	25.0
			135	135		15.24		0.0	15.5		16.76		0.0	17.0		22.78		0.5	24.5
			270	0		15.33		0.0	15.5		16.57		0.0	17.0		22.83		0.5	24.5
		QPSK	1	1		15.42		0.0	15.5		16.74		0.0	17.0		24.36		0.0	25.0
			1	134		15.41		0.0	15.5		16.73		0.0	17.0		24.26		0.0	25.0
			1	268		15.39		0.0	15.5		16.71		0.0	17.0		24.17		0.0	25.0
			135	0		15.31		0.0	15.5		16.87		0.0	17.0		23.35		1.0	24.0
			135	67		15.35		0.0	15.5		16.89		0.0	17.0		24.27		0.0	25.0
			135	135		15.25		0.0	15.5		16.84		0.0	17.0		23.23		1.0	24.0
			270	0		15.15		0.0	15.5		16.75		0.0	17.0		23.24		1.0	24.0
		16QAM	1	1		15.04		0.0	15.5		16.50		0.0	17.0		22.75		1.0	24.0
			1	134		15.03		0.0	15.5		16.56		0.0	17.0		22.55		1.0	24.0
			1	268		14.92		0.0	15.5		16.46		0.0	17.0		22.65		1.0	24.0
		64QAM	1	1		15.38		0.0	15.5		16.96		0.0	17.0		21.56		2.5	22.5
		256QAM	1	1		14.70		0.0	15.5		16.32		0.0	17.0		18.91		4.5	20.5
	CP-OFDM	QPSK	1	1		15.42		0.0	15.5		16.95		0.0	17.0		23.24		1.5	23.5

NR Band n7 (Ant.F) 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, 2					DSI = 1					DSI = 3				
					Measured Pwr (dBm)					Measured Pwr (dBm)					Measured Pwr (dBm)				
					509000 2525.00 MHz	507000 2535.00 MHz	509000 2545.00 MHz	MFR	Tune-up Limit	509000 2525.00 MHz	507000 2535.00 MHz	509000 2545.00 MHz	MFR	Tune-up Limit	509000 2525.00 MHz	507000 2535.00 MHz	509000 2545.00 MHz	MFR	Tune-up Limit
50 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1		14.29		0.0	15.0		16.20		0.0	17.0		17.33		0.0	18.0
			1	134		14.17		0.0	15.0		16.22		0.0	17.0		17.32		0.0	18.0
			1	268		14.00		0.0	15.0		15.95		0.0	17.0		16.98		0.0	18.0
			135	0		14.28		0.0	15.0		16.22		0.0	17.0		17.34		0.0	18.0
			135	67		14.28		0.0	15.0		16.19		0.0	17.0		17.32		0.0	18.0
			135	135		14.28		0.0	15.0		16.19		0.0	17.0		17.29		0.0	18.0
			270	0		14.13		0.0	15.0		16.10		0.0	17.0		17.14		0.0	18.0
		QPSK	1	1		14.16		0.0	15.0		16.11		0.0	17.0		17.27		0.0	18.0
			1	134		14.18		0.0	15.0		16.18		0.0	17.0		17.37		0.0	18.0
			1	268		13.79		0.0	15.0		15.96		0.0	17.0		16.88		0.0	18.0
			135	0		14.16		0.0	15.0		16.19		0.0	17.0		17.25		0.0	18.0
			135	67		14.18		0.0	15.0		16.20		0.0	17.0		17.27		0.0	18.0
			135	135		14.17		0.0	15.0		16.18		0.0	17.0		17.26		0.0	18.0
			270	0		14.13		0.0	15.0		16.11		0.0	17.0		17.06		0.0	18.0
		16QAM	1	1		14.14		0.0	15.0		15.91		0.0	17.0		16.99		0.0	18.0
			1	134		14.12		0.0	15.0		15.87		0.0	17.0		16.89		0.0	18.0
			1	268		13.99		0.0	15.0		15.77		0.0	17.0		16.76		0.0	18.0
		64QAM	1	1		14.41		0.0	15.0		16.36		0.0	17.0		17.40		0.0	18.0
		256QAM	1	1		13.76		0.0	15.0		15.70		0.0	17.0		16.73		0.0	18.0
	CP-OFDM	QPSK	1	1		14.49		0.0	15.0		16.55		0.0	17.0		17.64		0.0	18.0

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)					Maximum Allowed Average Power (dBm)				
					DSI = 0, 2					DSI = 1					DSI = 3				
					Measured Pwr (dBm)					Measured Pwr (dBm)					Measured Pwr (dBm)				
						349000		MFR	Tune- up Limit		349000		MFR	Tune- up Limit		349000		MFR	Tune- up Limit
45 MHz	DFT-s- OFDM	$\pi/2$ BPSK	1	1	1745.00 MHz					1745.00 MHz					1745.00 MHz				
					15.47			0.0	16.0		16.41		0.0	17.0		24.52		0.0	25.0
			1	120		15.43		0.0	16.0		16.43		0.0	17.0		24.49		0.0	25.0
			1	240		15.50		0.0	16.0		16.39		0.0	17.0		24.53		0.0	25.0
			120	0		15.46		0.0	16.0		16.38		0.0	17.0		23.42		0.5	24.5
			120	60		15.51		0.0	16.0		16.43		0.0	17.0		24.54		0.0	25.0
		QPSK	120	120		15.54		0.0	16.0		16.29		0.0	17.0		23.34		0.5	24.5
			240	0		15.48		0.0	16.0		16.31		0.0	17.0		23.38		0.5	24.5
			1	1		15.55		0.0	16.0		16.45		0.0	17.0		24.62		0.0	25.0
			1	120		15.46		0.0	16.0		16.42		0.0	17.0		24.55		0.0	25.0
			1	240		15.49		0.0	16.0		16.39		0.0	17.0		24.37		0.0	25.0
			120	0		15.43		0.0	16.0		16.37		0.0	17.0		23.60		1.0	24.0
		16QAM	120	60		15.46		0.0	16.0		16.47		0.0	17.0		24.36		0.0	25.0
			120	120		15.32		0.0	16.0		16.38		0.0	17.0		23.44		1.0	24.0
			240	0		15.39		0.0	16.0		16.48		0.0	17.0		23.48		1.0	24.0
			1	1		15.41		0.0	16.0		16.46		0.0	17.0		23.26		1.0	24.0
			1	120		15.36		0.0	16.0		16.32		0.0	17.0		23.29		1.0	24.0
			1	240		15.29		0.0	16.0		16.31		0.0	17.0		23.34		1.0	24.0
		64QAM	1	1		15.38		0.0	16.0		16.38		0.0	17.0		22.08		2.5	22.5
		256QAM	1	1		14.87		0.5	15.5		15.79		0.5	16.5		19.85		4.5	20.5
	CP-OFDM	QPSK	1	1		15.71		0.0	16.0		16.71		0.0	17.0		23.13		1.5	23.5

NR Band n66 (Ant.F) 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, 1					DSI = 2					DSI = 3				
					Measured Pwr (dBm)					Measured Pwr (dBm)					Measured Pwr (dBm)				
						349000		MFR	Tune- up Limit		349000		MFR	Tune- up Limit		349000		MFR	Tune- up Limit
45 MHz	DFT-s- OFDM	$\pi/2$ BPSK	1	1	1745.00 MHz					1745.00 MHz					1745.00 MHz				
					15.41			0.0	16.5		19.23		0.0	20.0		20.21		0.0	21.0
			1	120		15.55		0.0	16.5		19.21		0.0	20.0		20.19		0.0	21.0
			1	240		15.45		0.0	16.5		19.16		0.0	20.0		20.18		0.0	21.0
			120	0		15.39		0.0	16.5		19.09		0.0	20.0		20.06		0.0	21.0
			120	60		15.46		0.0	16.5		19.03		0.0	20.0		20.11		0.0	21.0
		QPSK	120	120		15.47		0.0	16.5		19.17		0.0	20.0		20.16		0.0	21.0
			240	0		15.43		0.0	16.5		19.21		0.0	20.0		20.14		0.0	21.0
			1	1		15.69		0.0	16.5		19.24		0.0	20.0		20.30		0.0	21.0
			1	120		15.60		0.0	16.5		19.21		0.0	20.0		20.18		0.0	21.0
			1	240		15.53		0.0	16.5		19.23		0.0	20.0		20.16		0.0	21.0
			120	0		15.56		0.0	16.5		19.15		0.0	20.0		20.13		0.0	21.0
		16QAM	120	60		15.71		0.0	16.5		19.16		0.0	20.0		20.15		0.0	21.0
			120	120		15.62		0.0	16.5		19.14		0.0	20.0		20.11		0.0	21.0
			240	0		15.65		0.0	16.5		19.19		0.0	20.0		20.18		0.0	21.0
			1	1		15.64		0.0	16.5		19.08		0.0	20.0		20.13		0.0	21.0
			1	120		15.63		0.0	16.5		19.06		0.0	20.0		20.02		0.0	21.0
			1	240		15.62		0.0	16.5		19.11		0.0	20.0		19.94		0.0	21.0
		64QAM	1	1		15.52		0.0	16.5		19.15		0.0	20.0		20.01		0.0	21.0
		256QAM	1	1		15.27		0.5	16.0		18.84		0.5	19.5		19.69		0.5	20.5
	CP-OFDM	QPSK	1	1		15.79		0.0	16.5		19.36		0.0	20.0		20.42		0.0	21.0

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 = 0, 2					DSI = 1					DSI = 3				
					Measured Pwr (dBm)					Measured Pwr (dBm)					Measured Pwr (dBm)				
						376500		MFR	Tune- up Limit		376500		MFR	Tune- up Limit		376500		MFR	Tune- up Limit
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1		1882.50 MHz					1882.50 MHz					1882.50 MHz			
					15.84		0.0	16.5			17.51		0.0	18.0		24.44		0.0	25.0
			1	107		15.77		0.0	16.5		17.30		0.0	18.0		24.44		0.0	25.0
			1	214		15.68		0.0	16.5		17.15		0.0	18.0		24.47		0.0	25.0
			108	0		15.73		0.0	16.5		17.41		0.0	18.0		23.37		0.5	24.5
			108	54		15.68		0.0	16.5		17.38		0.0	18.0		24.29		0.0	25.0
			108	108		15.64		0.0	16.5		17.25		0.0	18.0		24.15		0.5	24.5
		QPSK	216	0		15.68		0.0	16.5		17.29		0.0	18.0		23.27		0.5	24.5
			1	1		15.79		0.0	16.5		17.59		0.0	18.0		24.35		0.0	25.0
			1	107		15.65		0.0	16.5		17.30		0.0	18.0		24.30		0.0	25.0
			1	214		15.48		0.0	16.5		17.15		0.0	18.0		24.28		0.0	25.0
			108	0		15.64		0.0	16.5		17.40		0.0	18.0		23.25		1.0	24.0
			108	54		15.69		0.0	16.5		17.45		0.0	18.0		24.24		0.0	25.0
			108	108		15.64		0.0	16.5		17.25		0.0	18.0		23.20		1.0	24.0
		16QAM	216	0		15.65		0.0	16.5		17.34		0.0	18.0		23.28		1.0	24.0
			1	1		15.77		0.0	16.5		17.32		0.0	18.0		23.15		1.0	24.0
			1	107		15.50		0.0	16.5		16.95		0.0	18.0		23.15		1.0	24.0
		64QAM	1	214		15.33		0.0	16.5		16.82		0.0	18.0		23.13		1.0	24.0
			1	1		15.93		0.0	16.5		17.66		0.0	18.0		22.00		2.5	22.5
	CP-OFDM	256QAM	1	1		15.42		0.5	16.0		16.95		0.5	17.5		19.25		4.5	20.5
		QPSK	1	1		15.94		0.0	16.5		17.69		0.0	18.0		23.01		1.5	23.5

NR Band n25 (Ant.F) 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 = 0					DSI = 1					DSI = 2					DSI = 3				
					Measured Pwr (dBm)					Measured Pwr (dBm)					Measured Pwr (dBm)					Measured Pwr (dBm)				
						376500		MFR	Tune- up Limit		376500		MFR	Tune- up Limit		376500		MFR	Tune- up Limit		376500		MFR	Tune- up Limit
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1		1882.50 MHz					1882.50 MHz					1882.50 MHz					1882.50 MHz			
					15.60		0.0	16.5			16.57		0.0	17.5		19.15		0.0	20.0		21.18		0.0	22.0
			1	107		15.80		0.0	16.5		16.83		0.0	17.5		19.40		0.0	20.0		21.41		0.0	22.0
			1	214		15.80		0.0	16.5		16.82		0.0	17.5		19.40		0.0	20.0		21.41		0.0	22.0
			108	0		15.72		0.0	16.5		16.78		0.0	17.5		19.28		0.0	20.0		21.23		0.0	22.0
			108	54		15.80		0.0	16.5		16.92		0.0	17.5		19.46		0.0	20.0		21.30		0.0	22.0
			108	108		15.88		0.0	16.5		16.82		0.0	17.5		19.37		0.0	20.0		21.35		0.0	22.0
		QPSK	216	0		15.79		0.0	16.5		16.84		0.0	17.5		19.33		0.0	20.0		21.33		0.0	22.0
			1	1		15.81		0.0	16.5		16.73		0.0	17.5		19.39		0.0	20.0		21.45		0.0	22.0
			1	107		15.77		0.0	16.5		16.71		0.0	17.5		19.28		0.0	20.0		21.43		0.0	22.0
			1	214		15.79		0.0	16.5		16.61		0.0	17.5		19.37		0.0	20.0		21.19		0.0	22.0
			108	0		15.78		0.0	16.5		16.76		0.0	17.5		19.34		0.0	20.0		21.22		0.0	22.0
			108	54		15.82		0.0	16.5		16.95		0.0	17.5		19.36		0.0	20.0		21.39		0.0	22.0
			108	108		15.81		0.0	16.5		16.94		0.0	17.5		19.35		0.0	20.0		21.38		0.0	22.0
		16QAM	216	0		15.83		0.0	16.5		16.84		0.0	17.5		19.30		0.0	20.0		21.28		0.0	22.0
			1	1		15.43		0.0	16.5		16.43		0.0	17.5		18.93		0.0	20.0		20.94		0.0	22.0
			1	107		15.63		0.0	16.5		16.66		0.0	17.5		19.17		0.0	20.0		21.22		0.0	22.0
		64QAM	1	214		15.59		0.0	16.5		16.59		0.0	17.5		19.13		0.0	20.0		21.06		0.0	22.0
			1	1		15.60		0.0	16.5		16.67		0.0	17.5		19.32		0.0	20.0		21.27		0.0	22.0
	CP-OFDM	256QAM	1	1		14.95		0.5	16.0		15.99		0.5	17.0		18.48		0.5	19.5		19.26		1.5	20.5
		QPSK	1	1		15.83		0.0	16.5		16.92		0.0	17.5		19.27		0.0	20.0		21.29		0.0	22.0

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 = 0, 2					DSI = 1					DSI = 3				
					Measured Pwr (dBm)					Measured Pwr (dBm)					Measured Pwr (dBm)				
						462000		MFR	Tune-up Limit		462000		MFR	Tune-up Limit		462000		MFR	Tune-up Limit
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1		14.28		0.0	14.5		17.27		0.0	17.5		23.78		0.0	24.0
			1	25		14.32		0.0	14.5		17.28		0.0	17.5		23.95		0.0	24.0
			1	50		14.30		0.0	14.5		17.31		0.0	17.5		23.84		0.0	24.0
			25	0		14.28		0.0	14.5		17.45		0.0	17.5		22.91		0.5	23.5
			25	13		14.33		0.0	14.5		17.38		0.0	17.5		23.86		0.0	24.0
			25	27		14.24		0.0	14.5		17.41		0.0	17.5		22.97		0.5	23.5
			50	0		14.24		0.0	14.5		17.43		0.0	17.5		22.83		0.5	23.5
		QPSK	1	1		14.26		0.0	14.5		17.33		0.0	17.5		23.80		0.0	24.0
			1	25		14.33		0.0	14.5		17.34		0.0	17.5		23.93		0.0	24.0
			1	50		14.31		0.0	14.5		17.31		0.0	17.5		23.85		0.0	24.0
			25	0		14.28		0.0	14.5		17.39		0.0	17.5		22.89		1.0	23.0
			25	13		14.35		0.0	14.5		17.41		0.0	17.5		23.78		0.0	24.0
			25	27		14.34		0.0	14.5		17.40		0.0	17.5		22.91		1.0	23.0
			50	0		14.24		0.0	14.5		17.39		0.0	17.5		22.89		1.0	23.0
		16QAM	1	1		13.93		0.0	14.5		16.91		0.0	17.5		22.67		1.0	23.0
			1	25		14.12		0.0	14.5		17.10		0.0	17.5		22.71		1.0	23.0
			1	50		14.10		0.0	14.5		17.06		0.0	17.5		22.71		1.0	23.0
		64QAM	1	1		14.44		0.0	14.5		17.44		0.0	17.5		21.43		2.5	21.5
		256QAM	1	1		13.74		0.0	14.5		16.65		0.0	17.5		18.74		4.5	19.5
	CP-OFDM	QPSK	1	1		14.29		0.0	14.5		17.43		0.0	17.5		22.45		1.5	22.5

NR Band n30 (Ant.F) 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, 2					DSI = 1					DSI = 3				
					Measured Pwr (dBm)					Measured Pwr (dBm)					Measured Pwr (dBm)				
						462000		MFR	Tune-up Limit		462000		MFR	Tune-up Limit		462000		MFR	Tune-up Limit
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1		14.19		0.0	15.0		16.84		0.0	17.5		18.80		0.0	19.5
			1	25		14.28		0.0	15.0		16.79		0.0	17.5		18.87		0.0	19.5
			1	50		14.33		0.0	15.0		16.82		0.0	17.5		18.95		0.0	19.5
			25	0		14.44		0.0	15.0		16.93		0.0	17.5		18.98		0.0	19.5
			25	13		14.28		0.0	15.0		16.83		0.0	17.5		18.90		0.0	19.5
			25	27		14.29		0.0	15.0		16.88		0.0	17.5		18.90		0.0	19.5
			50	0		14.39		0.0	15.0		16.89		0.0	17.5		18.95		0.0	19.5
		QPSK	1	1		14.25		0.0	15.0		16.72		0.0	17.5		18.82		0.0	19.5
			1	25		14.31		0.0	15.0		16.78		0.0	17.5		18.88		0.0	19.5
			1	50		14.33		0.0	15.0		16.86		0.0	17.5		18.93		0.0	19.5
			25	0		14.36		0.0	15.0		16.87		0.0	17.5		18.65		0.0	19.5
			25	13		14.45		0.0	15.0		16.89		0.0	17.5		18.89		0.0	19.5
			25	27		14.27		0.0	15.0		16.88		0.0	17.5		18.86		0.0	19.5
			50	0		14.32		0.0	15.0		16.89		0.0	17.5		18.93		0.0	19.5
		16QAM	1	1		14.16		0.0	15.0		16.45		0.0	17.5		18.50		0.0	19.5
			1	25		14.28		0.0	15.0		16.59		0.0	17.5		18.64		0.0	19.5
			1	50		14.29		0.0	15.0		16.69		0.0	17.5		18.73		0.0	19.5
		64QAM	1	1		14.45		0.0	15.0		17.02		0.0	17.5		19.07		0.0	19.5
		256QAM	1	1		13.76		0.0	15.0		16.22		0.0	17.5		18.26		0.0	19.5
	CP-OFDM	QPSK	1	1		14.40		0.0	15.0		17.01		0.0	17.5		19.04		0.0	19.5

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)					Maximum Allowed Average Power (dBm)				
					DSI = 0, 2					DSI = 1					DSI = 3				
					Measured Pwr (dBm)					Measured Pwr (dBm)					Measured Pwr (dBm)				
						340500		MFR	Tune-up Limit		340500		MFR	Tune-up Limit		340500		MFR	Tune-up Limit
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1		15.46		0.0	16.5		17.05		0.0	18.0		23.49		0.0	24.5
			1	39		15.49		0.0	16.5		16.98		0.0	18.0		23.54		0.0	24.5
			1	77		15.45		0.0	16.5		17.02		0.0	18.0		23.60		0.0	24.5
			36	0		15.52		0.0	16.5		17.01		0.0	18.0		22.65		0.5	24.0
			36	21		15.46		0.0	16.5		16.98		0.0	18.0		23.61		0.0	24.5
			36	43		15.57		0.0	16.5		17.14		0.0	18.0		22.69		0.5	24.0
			75	0		15.50		0.0	16.5		16.97		0.0	18.0		23.55		0.5	24.0
		QPSK	1	1		15.50		0.0	16.5		17.02		0.0	18.0		23.65		0.0	24.5
			1	39		15.49		0.0	16.5		17.01		0.0	18.0		23.57		0.0	24.5
			1	77		15.49		0.0	16.5		16.98		0.0	18.0		23.58		0.0	24.5
			36	0		15.48		0.0	16.5		17.03		0.0	18.0		22.56		1.0	23.5
			36	21		15.50		0.0	16.5		17.07		0.0	18.0		23.66		0.0	24.5
			36	43		15.47		0.0	16.5		16.98		0.0	18.0		22.59		1.0	23.5
			75	0		15.28		0.0	16.5		17.02		0.0	18.0		22.63		1.0	23.5
		16QAM	1	1		15.40		0.0	16.5		16.66		0.0	18.0		22.38		1.0	23.5
			1	39		15.28		0.0	16.5		16.85		0.0	18.0		22.52		1.0	23.5
			1	77		15.50		0.0	16.5		16.72		0.0	18.0		22.49		1.0	23.5
		64QAM	1	1		15.70		0.0	16.5		17.06		0.0	18.0		21.25		2.5	22.0
		256QAM	1	1		15.03		0.5	16.0		16.44		0.5	17.5		18.56		4.5	20.0
	CP-OFDM	QPSK	1	1		15.42		0.0	16.5		17.15		0.0	18.0		22.22		1.5	23.0

NR Band n70 (Ant.F) 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)				
						340500		MFR	Tune-up Limit		340500		MFR	Tune-up Limit
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1		15.76		0.0	16.5		19.24		0.0	20.0
			1	39		15.83		0.0	16.5		19.32		0.0	20.0
			1	77		15.80		0.0	16.5		19.43		0.0	20.0
			36	0		15.75		0.0	16.5		19.33		0.0	20.0
			36	21		15.92		0.0	16.5		19.36		0.0	20.0
			36	43		15.81		0.0	16.5		19.32		0.0	20.0
			75	0		15.45		0.0	16.5		19.47		0.0	20.0
		QPSK	1	1		15.77		0.0	16.5		19.55		0.0	20.0
			1	39		15.58		0.0	16.5		19.36		0.0	20.0
			1	77		15.61		0.0	16.5		19.24		0.0	20.0
			36	0		15.18		0.0	16.5		19.29		0.0	20.0
			36	21		15.80		0.0	16.5		19.37		0.0	20.0
			36	43		15.63		0.0	16.5		19.33		0.0	20.0
			75	0		15.79		0.0	16.5		19.40		0.0	20.0
		16QAM	1	1		15.80		0.0	16.5		19.07		0.0	20.0
			1	39		15.74		0.0	16.5		19.17		0.0	20.0
			1	77		15.76		0.0	16.5		19.08		0.0	20.0
		64QAM	1	1		15.86		0.0	16.5		19.34		0.0	20.0
		256QAM	1	1		15.42		0.5	16.0		18.75		0.5	19.5
	CP-OFDM	QPSK	1	1		15.65		0.0	16.5		19.38		0.0	20.0

NR Band n48 Voice/data/SRS1 (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 = 0						DSI = 1,2						DSI = 3					
					Measured Pwr (dBm)				MFR	Tune-up Limit	Measured Pwr (dBm)				MFR	Tune-up Limit	Measured Pwr (dBm)				MFR	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	$\pi/2$ BPSK	1	1	15.44	15.20	15.11	0.0	16.0	17.49	17.14	17.06	0.0	18.0	18.57	18.23	18.14	0.0	19.0			
			1	52	15.28	14.95	15.01	0.0	16.0	17.40	16.90	16.97	0.0	18.0	18.36	18.07	18.05	0.0	19.0			
			1	104	15.18	15.00	14.99	0.0	16.0	17.26	16.94	16.99	0.0	18.0	18.25	18.11	18.15	0.0	19.0			
			50	0	15.33	15.07	14.99	0.0	16.0	17.46	17.18	17.15	0.0	18.0	18.45	18.16	18.13	0.0	19.0			
			50	28	15.40	15.09	15.13	0.0	16.0	17.50	17.13	17.21	0.0	18.0	18.45	18.16	18.29	0.0	19.0			
			50	56	15.23	14.99	14.95	0.0	16.0	17.28	17.04	17.12	0.0	18.0	18.29	18.05	18.11	0.0	19.0			
			100	0	15.33	14.96	15.03	0.0	16.0	17.40	17.12	17.07	0.0	18.0	18.39	18.09	18.05	0.0	19.0			
		QPSK	1	1	15.37	15.09	15.08	0.0	16.0	17.45	17.14	17.05	0.0	18.0	18.65	18.19	18.12	0.0	19.0			
			1	52	15.27	14.94	14.99	0.0	16.0	17.31	16.87	16.92	0.0	18.0	18.29	17.99	18.04	0.0	19.0			
			1	104	15.12	14.94	15.00	0.0	16.0	17.19	16.92	17.06	0.0	18.0	18.19	18.08	18.13	0.0	19.0			
			50	0	15.41	15.09	15.03	0.0	16.0	17.42	17.19	17.15	0.0	18.0	18.68	18.14	18.16	0.0	19.0			
			50	28	15.38	15.02	15.04	0.0	16.0	17.38	17.02	17.07	0.0	18.0	18.39	18.07	18.05	0.0	19.0			
			50	56	15.27	14.90	14.97	0.0	16.0	17.30	17.05	17.11	0.0	18.0	18.29	18.03	18.13	0.0	19.0			
			100	0	15.37	15.03	15.01	0.0	16.0	17.37	17.10	17.08	0.0	18.0	18.38	18.10	18.04	0.0	19.0			
		16QAM	1	1	15.45	15.16	14.98	0.0	16.0	17.33	17.11	17.00	0.0	18.0	18.38	18.11	17.95	0.0	19.0			
			1	52	15.24	14.91	15.02	0.0	16.0	17.27	16.86	16.90	0.0	18.0	18.26	17.81	17.93	0.0	19.0			
			1	104	15.14	14.94	15.00	0.0	16.0	17.18	17.03	17.06	0.0	18.0	18.14	17.99	18.04	0.0	19.0			
		64QAM	1	1	15.49	15.21	15.08	0.0	16.0	17.38	17.13	17.04	0.0	18.0	18.40	18.14	18.04	0.0	19.0			
		256QAM	1	1	15.43	15.15	15.00	0.0	16.0	17.40	17.17	17.01	0.0	18.0	18.42	18.15	18.10	0.0	19.0			
	CR-OFDM	QPSK	1	1	15.48	15.18	14.97	0.0	16.0	17.47	17.16	17.11	0.0	18.0	18.55	18.19	18.07	0.0	19.0			

NR Band n48 SRS2 (Ant.A) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)				
		DSI = 0, 1, 2, 3				
		Measured Pwr (dBm)				Tune-up Limit
		638000	641666	645332		
		3570.00 MHz	3624.99 MHz	3679.98 MHz		
40 MHz	SRS CW	12.42		11.58	11.56	13.0

NR Band n48 SRS3 (Ant.F) Measured Results

BW (MHz)	Mode	Maximum Average Power (dBm)				
		DSI = 0, 1, 2, 3				
		Measured Pwr (dBm)				Tune-up Limit
		638000	641666	645332		
		3570.00 MHz	3624.99 MHz	3679.98 MHz		
40 MHz	SRS CW	12.60		11.87	12.22	13.0

NR Band n48 SRS4 (Ant.C) Measured Results

BW (MHz)	Mode	Maximum Average Power (dBm)				
		DSI = 0, 1, 2, 3				
		Measured Pwr (dBm)				Tune-up Limit
		638000	641666	645332		
		3570.00 MHz	3624.99 MHz	3679.98 MHz		
40 MHz	SRS CW	12.51		12.10	12.22	13.0

NR Band n41 Voice/data/SRS1 (Ant.F) 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, 2						DSI = 1						DSI = 3									
					Measured Pwr (dBm)					MFR	Tune-up Limit	Measured Pwr (dBm)					MFR	Tune-up Limit	Measured Pwr (dBm)					MFR	Tune-up Limit	
							518598							518598							518598					
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1			14.46			0.0	15.0			16.51			0.0	17.0			16.06			0.0	16.5	
					2592.99 MHz						2592.99 MHz									2592.99 MHz						
			1	136			14.06			0.0	15.0			16.02			0.0	17.0			15.65			0.0	16.5	
			1	271			13.93			0.0	15.0			15.96			0.0	17.0			15.56			0.0	16.5	
			135	0			13.97			0.0	15.0			16.18			0.0	17.0			15.81			0.0	16.5	
			135	69			13.96			0.0	15.0			16.01			0.0	17.0			15.65			0.0	16.5	
			135	138			13.80			0.0	15.0			15.86			0.0	17.0			15.54			0.0	16.5	
			270	0			13.87			0.0	15.0			16.04			0.0	17.0			15.65			0.0	16.5	
		QPSK	1	1			14.48			0.0	15.0			16.51			0.0	17.0			16.06			0.0	16.5	
			1	136			14.00			0.0	15.0			16.03			0.0	17.0			15.64			0.0	16.5	
			1	271			13.95			0.0	15.0			15.99			0.0	17.0			15.52			0.0	16.5	
			135	0			14.13			0.0	15.0			16.17			0.0	17.0			15.80			0.0	16.5	
			135	69			13.90			0.0	15.0			16.02			0.0	17.0			15.67			0.0	16.5	
			135	138			13.84			0.0	15.0			15.97			0.0	17.0			15.63			0.0	16.5	
			270	0			13.91			0.0	15.0			16.14			0.0	17.0			15.66			0.0	16.5	
			1	1			14.48			0.0	15.0			16.45			0.0	17.0			16.06			0.0	16.5	
		16QAM	1	136			14.01			0.0	15.0			16.02			0.0	17.0			15.55			0.0	16.5	
			1	271			13.95			0.0	15.0			16.01			0.0	17.0			15.52			0.0	16.5	
			64QAM	1	1			14.47			0.0	15.0			16.42			0.0	17.0			16.06			0.0	16.5
			256QAM	1	1			14.39			0.0	15.0			16.43			0.0	17.0			16.08			0.0	16.5
		CP-OFDM	QPSK	1	1			14.47			0.0	15.0			16.56			0.0	17.0			16.05			0.0	16.5

NR Band n41 SRS2 (Ant.B) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)						Maximum Allowed Average Power (dBm)						Maximum Allowed Average Power (dBm)					
		DSI = 0, 2						DSI = 1						DSI = 3					
		Measured Pwr (dBm)						Measured Pwr (dBm)						Measured Pwr (dBm)					
				518598			Tune-up Limit			518598			Tune-up Limit			518598			Tune-up Limit
100 MHz	SRS CW			14.61			15.5			16.08			17.0			19.34			20.0

NR Band n41 SRS3 (Ant.E) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)					
		DSI = 0, 1, 2, 3					
		Measured Pwr (dBm)					
				518598			Tune-up Limit
100 MHz	SRS CW			11.98			13.0

NR Band n41 SRS4 (Ant.C) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)					
		DSI = 0, 1, 2, 3					
		Measured Pwr (dBm)					
				518598			Tune-up Limit
100 MHz	SRS CW			12.54			13.0

NR Band n41 Voice/data/SRS1 (Switching 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)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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					Measured Pwr (dBm)					MFR	Tune-up Limit	Measured Pwr (dBm)					MFR	Tune-up Limit	Measured Pwr (dBm)					MFR	Tune-up Limit																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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NR Band n41 SRS2 (Switching Ant.F) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)						Maximum Allowed Average Power (dBm)						Maximum Allowed Average Power (dBm)					
		DSI = 0, 2						DSI = 1						DSI = 3					
		Measured Pwr (dBm)						Measured Pwr (dBm)						Measured Pwr (dBm)					
				518598			Tune-up Limit			518598			Tune-up Limit			518598			Tune-up Limit
				2592.99 MHz						2592.99 MHz						2592.99 MHz			
100 MHz	SRS CW			14.11			15.0			16.93			17.0			15.88			16.5

NR Band n41 SRS3 (Switching Ant.C) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)					
		DSI = 0, 1, 2, 3					
		Measured Pwr (dBm)					
				518598			Tune-up Limit
				2592.99 MHz			
100 MHz	SRS CW			12.63			13.0

NR Band n41 SRS4 (Switching Ant.E) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)					
		DSI = 0,1,2,3					
		Measured Pwr (dBm)					
				518598			Tune-up Limit
				2592.99 MHz			
100 MHz	SRS CW			11.93			13.0

NR Band n77 Voice/data/SRS1 (Ant.E) Measured Results

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)										Maximum Average Power (dBm)										Maximum Average Power (dBm)												
					DSI = 0										DSI = 1,2										DSI = 3												
					Measured Pwr (dBm)										Tune-up Limit	Measured Pwr (dBm)										Tune-up Limit	Measured Pwr (dBm)										Tune-up Limit
					650000 3750.00 MHz								662000 3930.00 MHz	MPR		650000 3750.00 MHz								662000 3930.00 MHz	MPR		650000 3750.00 MHz								662000 3930.00 MHz	MPR	
100 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	14.88							15.15	0.0	16.0	16.30							16.34	0.0	17.0	18.41							18.50	0.0	19.0			
			1	136	14.73							14.89	0.0	16.0	16.34							16.45	0.0	17.0	18.25							18.33	0.0	19.0			
			1	271	14.92							15.21	0.0	16.0	16.37							16.64	0.0	17.0	18.49							18.55	0.0	19.0			
			135	0	14.77							15.01	0.0	16.0	16.17							15.34	0.0	17.0	18.21							18.35	0.0	19.0			
			135	69	14.75							15.12	0.0	16.0	16.17							15.08	0.0	17.0	18.19							18.37	0.0	19.0			
			135	138	14.82							15.05	0.0	16.0	16.31							15.10	0.0	17.0	18.31							18.46	0.0	19.0			
			270	0	14.79							15.08	0.0	16.0	16.26							14.88	0.0	17.0	18.22							18.36	0.0	19.0			
		QPSK	1	1	14.91							15.07	0.0	16.0	16.32							16.35	0.0	17.0	18.35							18.49	0.0	19.0			
			1	136	14.71							15.02	0.0	16.0	16.19							16.35	0.0	17.0	18.23							18.27	0.0	19.0			
			1	271	14.92							15.22	0.0	16.0	16.43							16.53	0.0	17.0	18.51							18.54	0.0	19.0			
			135	0	14.82							14.98	0.0	16.0	16.17							15.28	0.0	17.0	18.19							18.32	0.0	19.0			
			135	69	14.71							14.99	0.0	16.0	16.10							15.25	0.0	17.0	18.13							18.31	0.0	19.0			
			135	138	14.88							15.13	0.0	16.0	16.18							16.19	0.0	17.0	18.23							18.49	0.0	19.0			
			270	0	14.83							15.07	0.0	16.0	16.20							15.01	0.0	17.0	18.22							18.37	0.0	19.0			
		16QAM	1	1	14.99							15.22	0.0	16.0	16.24							16.27	0.0	17.0	18.23							18.36	0.0	19.0			
			1	136	14.89							15.04	0.0	16.0	16.11							16.19	0.0	17.0	18.08							18.21	0.0	19.0			
			1	271	15.14							15.22	0.0	16.0	16.35							16.41	0.0	17.0	18.37							18.45	0.0	19.0			
		64QAM	1	1	15.07							15.08	0.0	16.0	16.20							16.17	0.0	17.0	18.26							18.41	0.0	19.0			
		256QAM	1	1	15.07							15.15	0.0	16.0	16.23							16.21	0.0	17.0	18.26							18.38	0.0	19.0			
	CP-OFDM	QPSK	1	1	15.10						15.16	0.0	16.0	16.35							16.05	0.0	17.0	18.44							18.57	0.0	19.0				

NR Band n77 DoD Voice/data/SRS1 (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 = 0				DSI = 1, 2				DSI = 3						
					Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit	Measured Pwr (dBm)			MPR	Tune-up Limit
						633334					3500.01 MHz						633334		
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1		15.31		0.0	16.0		16.22		0.0	17.0		18.39		0.0	19.0
			1	136		15.11		0.0	16.0		16.05		0.0	17.0		18.06		0.0	19.0
			1	271		15.25		0.0	16.0		16.22		0.0	17.0		18.24		0.0	19.0
			135	0		15.12		0.0	16.0		16.04		0.0	17.0		18.24		0.0	19.0
			135	69		15.17		0.0	16.0		16.14		0.0	17.0		18.21		0.0	19.0
			135	138		15.16		0.0	16.0		16.09		0.0	17.0		18.20		0.0	19.0
			270	0		15.13		0.0	16.0		16.20		0.0	17.0		18.25		0.0	19.0
		QPSK	1	1		15.21		0.0	16.0		16.22		0.0	17.0		18.25		0.0	19.0
			1	136		15.04		0.0	16.0		16.05		0.0	17.0		18.06		0.0	19.0
			1	271		15.24		0.0	16.0		16.24		0.0	17.0		18.26		0.0	19.0
			135	0		15.13		0.0	16.0		16.16		0.0	17.0		18.19		0.0	19.0
			135	69		15.09		0.0	16.0		16.14		0.0	17.0		18.19		0.0	19.0
			135	138		15.16		0.0	16.0		16.17		0.0	17.0		18.44		0.0	19.0
			270	0		15.06		0.0	16.0		16.22		0.0	17.0		18.27		0.0	19.0
		16QAM	1	1		15.24		0.0	16.0		16.28		0.0	17.0		18.30		0.0	19.0
			1	136		15.08		0.0	16.0		16.02		0.0	17.0		18.02		0.0	19.0
			1	271		15.22		0.0	16.0		15.88		0.0	17.0		18.30		0.0	19.0
		64QAM	1	1		15.20		0.0	16.0		15.87		0.0	17.0		18.27		0.0	19.0
		256QAM	1	1		15.27		0.0	16.0		15.99		0.0	17.0		18.34		0.0	19.0
		CP-OFDM	QPSK	1	1		15.21		0.0	16.0		15.65		0.0	17.0		18.44		0.0

NR Band n77 SRS2 (Ant.A) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)					
		DSI = 0					
		Measured Pwr (dBm)					
		650000				662000	Tune-up Limit
100 MHz	SRS CW	11.24				11.69	13.0

NR Band n77 DoD SRS2 (Ant.A) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)					
		DSI = 0					
		Measured Pwr (dBm)					
			633334				Tune-up Limit
100 MHz	SRS CW				12.36		13.0

NR Band n77 SRS3 (Ant.F) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)						Tune-up Limit
		DSI = 0						
		Measured Pwr (dBm)						
		650000					662000	
		3750.00 MHz					3930.00 MHz	
100 MHz	SRS CW	11.96					12.72	13.0

NR Band n77 DoD SRS3 (Ant.F) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)			
		DSI = 0			
		Measured Pwr (dBm)			Tune-up Limit
			633334		
			3500.01 MHz		
100 MHz	SRS CW		11.16		13.0

NR Band n77 SRS4 (Ant.C) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)						
		DSI = 0						
		Measured Pwr (dBm)						Tune-up Limit
		650000					662000	
		3750.00 MHz					3930.00 MHz	
100 MHz	SRS CW	11.89					11.23	13.0

NR Band n77 DoD SRS4 (Ant.C) Measured Results

BW (MHz)	Mode	Maximum Allowed Average Power (dBm)			
		DSI = 0			
		Measured Pw r (dBm)			Tune-up Limit
			633334		
			3500.01 MHz		
100 MHz	SRS CW		11.96		13.0

9.6. Wi-Fi 2.4 GHz (DTS Band)

WLAN SISO Measured Output Power Results

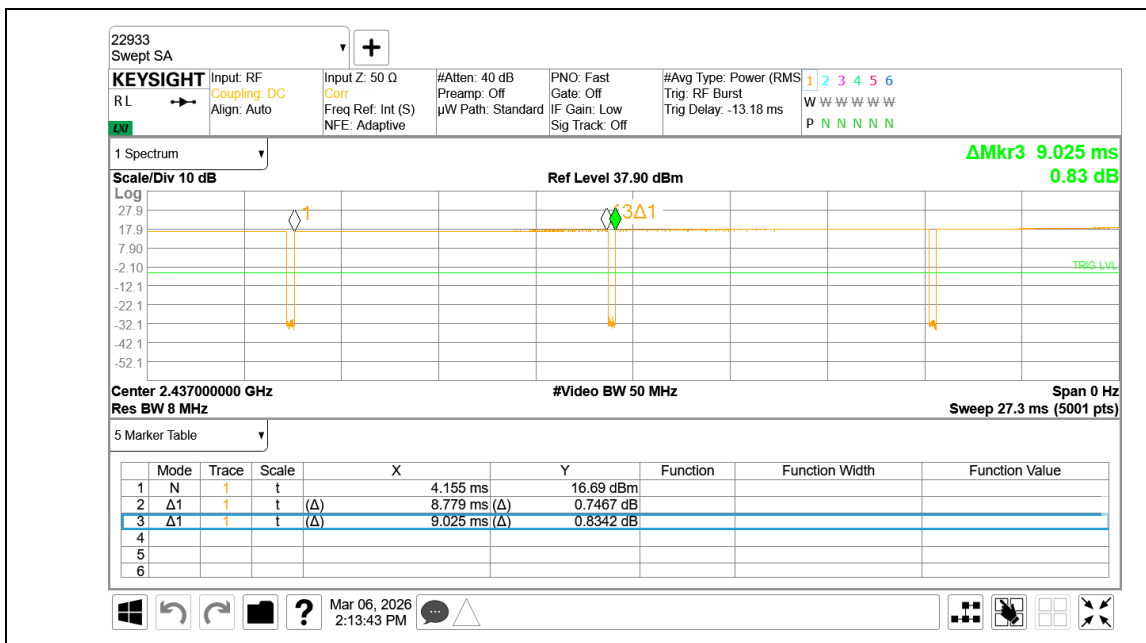
Antenna	Mode	Data Rate	Ch #	Freq. (MHz)	WLAN mode power					
					Maximum Allowed Average power (dBm)					
					DSI = 0 & 1			DSI = 2 & 3		
					Meas. Avg Pw r (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Meas. Avg Pw r (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
WiFi 2.4 GHz SISO 1 (Ant.D)	802.11b	1 Mbps	1	2412.0	17.63	18.0	Yes	14.33	15.5	Yes
			6	2437.0	17.61			14.62		
			11	2462.0	17.40			14.35		
	802.11g	6 Mbps	Not Required	Not Required	18.0	No	Not Required	15.5	No	
	802.11n	MCS 0								
	802.11ac	MCS 0								
	802.11ax	MCS 0								
	802.11be	MCS 0								
WiFi 2.4 GHz SISO 2 (Ant.G)	802.11b	1 Mbps	1	2412.0	17.21	18.0	Yes	14.25	15.5	Yes
			6	2437.0	17.37			14.57		
			11	2462.0	17.13			14.22		
	802.11g	6 Mbps	Not Required	Not Required	18.0	No	Not Required	15.5	No	
	802.11n	MCS 0								
	802.11ac	MCS 0								
	802.11ax	MCS 0								
	802.11be	MCS 0								

WLAN MIMO Measured Output Power Results

Antenna	Mode	Data Rate	Ch #	Freq. (MHz)	WLAN mode power								
					Maximum Allow ed Average power (dBm)								
					DSI = 0			DSI = 1			DSI = 2 & 3		
					Meas. Avg Pw r (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Meas. Avg Pw r (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Meas. Avg Pw r (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
WiFi 2.4 GHz MIMO 1 (Ant.D)	802.11b	1 Mbps	1	2412.0	16.28	17.0	Yes	17.57	18.0	Yes	14.98	15.5	Yes
			6	2437.0	16.13			17.43			14.55		
			11	2462.0	16.37			17.62			14.84		
	802.11g	6 Mbps	Not Required	Not Required	17.0	No	Not Required	18.0	No	Not Required	15.5	No	
	802.11n	MCS 0											
	802.11ac	MCS 0											
	802.11ax	MCS 0											
	802.11be	MCS 0											
WiFi 2.4 GHz MIMO 2 (Ant.G)	802.11b	1 Mbps	1	2412.0	15.60	17.0	Yes	17.08	18.0	Yes	14.16	15.5	Yes
			6	2437.0	16.03			17.29			14.44		
			11	2462.0	15.60			17.24			14.14		
	802.11g	6 Mbps	Not Required	Not Required	17.0	No	Not Required	18.0	No	Not Required	15.5	No	
	802.11n	MCS 0											
	802.11ac	MCS 0											
	802.11ax	MCS 0											
	802.11be	MCS 0											

Wi-Fi 2.4 GHz (DTS Bands) (Continued)**Duty Factor Measured Result**

Mode	T on (ms)	Period (ms)	Maximum Duty Cycle	Measured Duty Cycle	Crest Factor (maximum duty/ measured duty cycle)
802.11b	8.779	9.025	100.00%	97.27%	1.03



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

WLAN SISO Ant.1 Measured Output Power Results

Antenna	Band (GHz)	Mode	Data Rate	Maximum Allowed Average Power (dBm)									
				DSI = 0 & 1					DSI = 2 & 3				
				Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
5 GHz SISO 1 (Ant. E)	5.3 (U-NII 2A)	802.11a	6 Mbps		Not Required		14.0	No		Not Required		16.0	No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11n (HT20)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
		802.11n (HT40)	MCS 0		Not Required			No		Not Required			No
		802.11ac (VHT20)	MCS 0		Not Required			No		Not Required			No
		802.11ac (VHT40)	MCS 0		Not Required			No		Not Required			No
		802.11ac (VHT80)	MCS 0	58	5290.0	12.94	14.0	Yes	58	5290.0	15.57	16.0	Yes
		802.11ax (HE20)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
		802.11ax (HE40)	MCS 0		Not Required			No		Not Required			No
		802.11ax (HE80)	MCS 0		Not Required			No		Not Required			No
		802.11be (EHT20)	MCS 0		Not Required			No		Not Required			No
		802.11be (EHT40)	MCS 0		Not Required			No		Not Required			No
		802.11be (EHT80)	MCS 0		Not Required			No		Not Required			No
	UNII 1 & UNII 2A	802.11ac (VHT160)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
		802.11ax (HE160)	MCS 0		Not Required			No		Not Required			No
	5.5 (U-NII 2C)	802.11a	6 Mbps		Not Required		14.0	No		Not Required		16.0	No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11n (HT20)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
		802.11n (HT40)	MCS 0		Not Required			No		Not Required			No
		802.11ac (VHT20)	MCS 0		Not Required			No		Not Required			No
		802.11ac (VHT40)	MCS 0		Not Required			No		Not Required			No
		802.11ac (VHT80)	MCS 0	106	5530.0	13.23	14.0	Yes	106	5530.0	15.68	16.0	Yes
				122	5610.0	13.19			122	5610.0	15.37		
				138	5690.0	13.11			138	5690.0	15.20		
		802.11ac (VHT160)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
		802.11ax (HE20)	MCS 0		Not Required			No		Not Required			No
		802.11ax (HE40)	MCS 0		Not Required			No		Not Required			No
		802.11ax (HE80)	MCS 0		Not Required			No		Not Required			No
		802.11ax (HE160)	MCS 0		Not Required			No		Not Required			No
		802.11be (EHT20)	MCS 0		Not Required			No		Not Required			No
		802.11be (EHT40)	MCS 0		Not Required			No		Not Required			No
		802.11be (EHT80)	MCS 0		Not Required			No		Not Required			No
		802.11be (EHT160)	MCS 0		Not Required			No		Not Required			No
	5.8 (U-NII 3)	802.11a	6 Mbps		Not Required		14.0	No		Not Required		16.0	No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11n (HT20)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
		802.11n (HT40)	MCS 0		Not Required			No		Not Required			No
		802.11ac (VHT20)	MCS 0		Not Required			No		Not Required			No
		802.11ac (VHT40)	MCS 0		Not Required			No		Not Required			No
		802.11ac (VHT80)	MCS 0	155	5775.0	12.86	14.0	Yes	155	5775.0	15.70	16.0	Yes
		802.11ac (VHT160)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
		802.11ax (HE20)	MCS 0		Not Required			No		Not Required			No
		802.11ax (HE40)	MCS 0		Not Required			No		Not Required			No
		802.11ax (HE80)	MCS 0		Not Required			No		Not Required			No
		802.11ax (HE160)	MCS 0		Not Required			No		Not Required			No
		802.11be (EHT20)	MCS 0		Not Required			No		Not Required			No
		802.11be (EHT40)	MCS 0		Not Required			No		Not Required			No
		802.11be (EHT80)	MCS 0		Not Required			No		Not Required			No
		802.11be (EHT160)	MCS 0		Not Required			No		Not Required			No
	5.9 (U-NII 4)	802.11a	6 Mbps		Not Required		14.0	No		Not Required		16.0	No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11n (HT20)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
		802.11n (HT40)	MCS 0		Not Required			No		Not Required			No
		802.11ac (VHT20)	MCS 0		Not Required			No		Not Required			No
		802.11ac (VHT40)	MCS 0		Not Required			No		Not Required			No
		802.11ac (VHT80)	MCS 0	171	5855.0	12.83	14.0	Yes	171	5855.0	15.21	16.0	Yes
		802.11ac (VHT160)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
		802.11ax (HE20)	MCS 0		Not Required			No		Not Required			No
		802.11ax (HE40)	MCS 0		Not Required			No		Not Required			No
		802.11ax (HE80)	MCS 0		Not Required			No		Not Required			No
		802.11ax (HE160)	MCS 0		Not Required			No		Not Required			No
		802.11be (EHT20)	MCS 0		Not Required			No		Not Required			No
		802.11be (EHT40)	MCS 0		Not Required			No		Not Required			No
		802.11be (EHT80)	MCS 0		Not Required			No		Not Required			No
		802.11be (EHT160)	MCS 0		Not Required			No		Not Required			No
	UNII 3 & UNII 4	802.11ac (VHT160)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
		802.11ax (HE160)	MCS 0		Not Required			No		Not Required			No
		802.11be (EHT160)	MCS 0		Not Required			No		Not Required			No

WLAN SISO Ant.2 Measured Output Power Results

Antenna	Band (GHz)	Mode	Data Rate	Maximum Allowed Averag power (dBm)									
				DSI = 0 & 1					DSI = 2 & 3				
				Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
5 GHz SISO 2 (Ant. D)	5.3 (UNII 2A)	802.11a	6 Mbps	Not Required			14.0	No	Not Required			16.0	No
				Not Required				No	Not Required				
				Not Required				No	Not Required				
				Not Required				No	Not Required				
		802.11n (HT20)	MCS 0	Not Required			No	Not Required			No		
			802.11n (HT40)	MCS 0	Not Required			No	Not Required			No	
			802.11ac (VHT20)	MCS 0	Not Required			No	Not Required			No	
			802.11ac (VHT40)	MCS 0	Not Required			No	Not Required			No	
		802.11ac (VHT80)	MCS 0	58	5290.0	12.68	14.0	Yes	58	5290.0	15.61	16.0	Yes
		802.11ax (HE20)	MCS 0	Not Required			14.0	No	Not Required			16.0	No
			802.11ax (HE40)	MCS 0	Not Required			No	Not Required				
			802.11ax (HE80)	MCS 0	Not Required			No	Not Required				
			802.11be (EHT20)	MCS 0	Not Required			No	Not Required				
		802.11be (EHT40)	MCS 0	Not Required			No	Not Required			No		
			802.11be (EHT80)	MCS 0	Not Required			No	Not Required			No	
			UNII 1 & UNII 2A	802.11ac (VHT160)	MCS 0	Not Required			No	Not Required			No
	802.11ax (HE160)			MCS 0	Not Required			No	Not Required			No	
	802.11be (EHT160)	MCS 0		Not Required			No	Not Required			No		
	5.5 (U-NII 2C)	802.11a	6 Mbps	Not Required			14.0	No	Not Required			16.0	No
				Not Required				No	Not Required				
				Not Required				No	Not Required				
				Not Required				No	Not Required				
		802.11n (HT20)	MCS 0	Not Required			No	Not Required			No		
			802.11n (HT40)	MCS 0	Not Required			No	Not Required			No	
			802.11ac (VHT20)	MCS 0	Not Required			No	Not Required			No	
			802.11ac (VHT40)	MCS 0	Not Required			No	Not Required			No	
		802.11ac (VHT80)	MCS 0	106	5530.0	12.82	14.0	Yes	106	5530.0	15.47	16.0	Yes
				122	5610.0	12.93			122	5610.0	15.47		
				138	5690.0	12.69			138	5690.0	15.58		
			802.11ac (VHT160)	MCS 0	Not Required			14.0	No	Not Required			16.0
		802.11ax (HE20)		MCS 0	Not Required				No	Not Required			
		802.11ax (HE40)		MCS 0	Not Required				No	Not Required			
		802.11ax (HE80)		MCS 0	Not Required				No	Not Required			
		802.11ax (HE160)	MCS 0	Not Required			No	Not Required			No		
			802.11be (EHT20)	MCS 0	Not Required			No	Not Required			No	
			802.11be (EHT40)	MCS 0	Not Required			No	Not Required			No	
			802.11be (EHT80)	MCS 0	Not Required			No	Not Required			No	
		802.11be (EHT160)	MCS 0	Not Required			No	Not Required			No		
	5.8 (U-NII 3)	802.11a	6 Mbps	Not Required			14.0	No	Not Required			16.0	No
				Not Required				No	Not Required				
				Not Required				No	Not Required				
				Not Required				No	Not Required				
		802.11n (HT20)	MCS 0	Not Required			No	Not Required			No		
			802.11n (HT40)	MCS 0	Not Required			No	Not Required			No	
			802.11ac (VHT20)	MCS 0	Not Required			No	Not Required			No	
			802.11ac (VHT40)	MCS 0	Not Required			No	Not Required			No	
		802.11ac (VHT80)	MCS 0	155	5775.0	13.08	14.0	Yes	155	5775.0	15.54	16.0	Yes
		802.11ac (VHT160)	MCS 0	Not Required			14.0	No	Not Required			16.0	No
			802.11ax (HE20)	MCS 0	Not Required			No	Not Required				
			802.11ax (HE40)	MCS 0	Not Required			No	Not Required				
			802.11ax (HE80)	MCS 0	Not Required			No	Not Required				
		802.11ax (HE160)	MCS 0	Not Required			No	Not Required			No		
802.11be (EHT20)			MCS 0	Not Required			No	Not Required			No		
802.11be (EHT40)			MCS 0	Not Required			No	Not Required			No		
802.11be (EHT80)	MCS 0		Not Required			No	Not Required			No			
802.11be (EHT160)	MCS 0	Not Required			No	Not Required			No				
5.9 (U-NII 4)	802.11a	6 Mbps	Not Required			14.0	No	Not Required			16.0	No	
			Not Required				No	Not Required					
			Not Required				No	Not Required					
			Not Required				No	Not Required					
	802.11n (HT20)	MCS 0	Not Required			No	Not Required			No			
		802.11n (HT40)	MCS 0	Not Required			No	Not Required			No		
		802.11ac (VHT20)	MCS 0	Not Required			No	Not Required			No		
		802.11ac (VHT40)	MCS 0	Not Required			No	Not Required			No		
	802.11ac (VHT80)	MCS 0	171	5855.0	12.94	14.0	Yes	171	5855.0	15.44	16.0	Yes	
	802.11ac (VHT160)	MCS 0	Not Required			14.0	No	Not Required			16.0	No	
		802.11ax (HE20)	MCS 0	Not Required			No	Not Required					
		802.11ax (HE40)	MCS 0	Not Required			No	Not Required					
		802.11ax (HE80)	MCS 0	Not Required			No	Not Required					
	802.11ax (HE160)	MCS 0	Not Required			No	Not Required			No			
		802.11be (EHT20)	MCS 0	Not Required			No	Not Required			No		
		802.11be (EHT40)	MCS 0	Not Required			No	Not Required			No		
		802.11be (EHT80)	MCS 0	Not Required			No	Not Required			No		
	802.11be (EHT160)	MCS 0	Not Required			No	Not Required			No			
	UNII 3 & UNII 4	802.11ac (VHT160)	MCS 0	Not Required			14.0	No	Not Required			16.0	No
		802.11ax (HE160)	MCS 0	Not Required				No	Not Required				
802.11be (EHT160)		MCS 0	Not Required			No		Not Required					

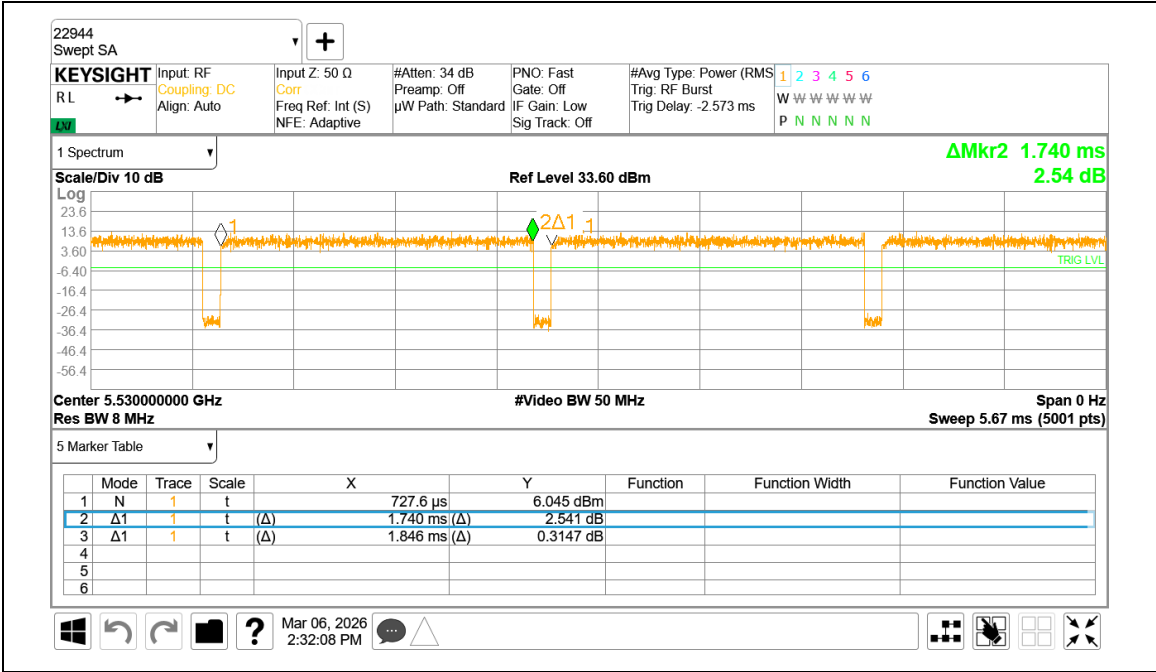
Wi-Fi 5GHz (U-NII Bands) (Continued)**WLAN MIMO Ant.2 Measured Output Power Results**

Antenna	Band (GHz)	Mode	Data Rate	Maximum Allowed Averag power (dBm)									
				DSI = 0 & 1					DSI = 2 & 3				
				Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)	Ch #	Freq. (MHz)	Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
5 GHz MIMO 2 (Ant. D)	5.3 (U-NII 2A)	802.11a	6 Mbps		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11n (HT20)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ac (VHT20)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ac (VHT40)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ac (VHT80)	MCS 0	58	5290.0	12.98	14.0	Yes	58	5290.0	15.56	16.0	Yes
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ax (HE20)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ax (HE40)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ax (HE80)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ax (HE160)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
	5.5 (U-NII 2C)	802.11a	6 Mbps		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11n (HT20)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ac (VHT20)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ac (VHT40)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ac (VHT80)	MCS 0	106	5530.0	12.57	14.0	Yes	106	5530.0	15.42	16.0	Yes
				122	5610.0	12.76			122	5610.0	15.27		
				138	5690.0	13.06			138	5690.0	15.24		
					Not Required			No		Not Required			No
		802.11ax (HE20)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ax (HE40)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ax (HE80)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ax (HE160)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
	5.8 (U-NII 3)	802.11a	6 Mbps		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11n (HT20)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ac (VHT20)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ac (VHT40)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ac (VHT80)	MCS 0	155	5775.0	12.82	14.0	Yes	155	5775.0	14.83	16.0	Yes
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ax (HE20)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ax (HE40)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ax (HE80)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ax (HE160)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
	5.9 (U-NII 4)	802.11a	6 Mbps		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11n (HT20)	MCS 0		Not Required		14.0	No		Not Required		16.0	No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ac (VHT20)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
					Not Required			No		Not Required			No
		802.11ac (VHT40)	MCS 0		Not Required			No		Not Required			No
					Not Required			No		Not Required			No

Wi-Fi 5GHz (U-NII Bands) (Continued)

Duty Factor Measured Results

Mode	T on (ms)	Period (ms)	Maximum Duty Cyle	Measured Duty Cycle	Crest Factor (maximum duty/ measured duty cycle)
802.11ac VHT80	1.740	1.846	100.00%	94.26%	1.06



9.8. Wi-Fi 6GHz (U-NII Bands)

WLAN SISO Ant.1 Measured Output Power Results

Antenna	Band (GHz)	Mode	Data Rate	Ch #	Freq. (MHz)	Maximum Allowed Average power (dBm)		
						DSI = 0 & 1 & 2 & 3		
						Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
UNII-5 (5.925-6.425 GHz)	LPI	802.11a	6 Mbps		Not Required		11.0	No
		802.11ax (HE20)	MCS 0		Not Required			No
		802.11ax (HE40)	MCS 0		Not Required			No
		802.11ax (HE80)	MCS 0		Not Required			No
		802.11ax (HE160)	MCS 0		Not Required			No
		802.11be (EHT20)	MCS 0		Not Required			No
		802.11be (EHT40)	MCS 0		Not Required			No
		802.11be (EHT80)	MCS 0		Not Required			No
		802.11be (EHT160)	MCS 0		Not Required			No
		802.11be (EHT320)	MCS 0		Not Required			No
		802.11be (EHT320)	MCS 0	31	6105.0	11.55		Yes
		802.11be (EHT320)	MCS 0	63	6265.0	11.29		Yes
		802.11a	6 Mbps		Not Required			No
		802.11ax (HE20)	MCS 0		Not Required			No
		802.11ax (HE40)	MCS 0		Not Required			No
		802.11ax (HE80)	MCS 0		Not Required			No
		802.11ax (HE160)	MCS 0		Not Required			No
		802.11be (EHT20)	MCS 0		Not Required			No
		802.11be (EHT40)	MCS 0		Not Required			No
		802.11be (EHT80)	MCS 0		Not Required			No
		802.11be (EHT160)	MCS 0		Not Required			No
		802.11be (EHT320)	MCS 0		Not Required			No
		802.11be (EHT320)	MCS 0	31	6105.0	11.55		Yes
		802.11be (EHT320)	MCS 0	63	6265.0	11.29		Yes
	SP	802.11a	6 Mbps		Not Required		12.5	No
		802.11ax (HE20)	MCS 0		Not Required			No
		802.11ax (HE40)	MCS 0		Not Required			No
		802.11ax (HE80)	MCS 0		Not Required			No
		802.11ax (HE160)	MCS 0		Not Required			No
		802.11be (EHT20)	MCS 0		Not Required			No
		802.11be (EHT40)	MCS 0		Not Required			No
		802.11be (EHT80)	MCS 0		Not Required			No
		802.11be (EHT160)	MCS 0		Not Required			No
		802.11be (EHT320)	MCS 0		Not Required			No
		802.11be (EHT320)	MCS 0	31	6105.0	11.55		Yes
		802.11be (EHT320)	MCS 0	63	6265.0	11.29		Yes
	VLP	802.11a	6 Mbps		Not Required		6.0	No
		802.11ax (HE20)	MCS 0		Not Required			No
		802.11ax (HE40)	MCS 0		Not Required			No
		802.11ax (HE80)	MCS 0		Not Required			No
		802.11ax (HE160)	MCS 0		Not Required			No
		802.11be (EHT20)	MCS 0		Not Required			No
		802.11be (EHT40)	MCS 0		Not Required			No
		802.11be (EHT80)	MCS 0		Not Required			No
		802.11be (EHT160)	MCS 0		Not Required			No
		802.11be (EHT320)	MCS 0		Not Required			No
		802.11be (EHT320)	MCS 0	31	6105.0	11.55		Yes
		802.11be (EHT320)	MCS 0	63	6265.0	11.29		Yes
6 GHz SISO 1 (Ant.E)	UNII-6 (6.425-6.525 GHz)	802.11a	6 Mbps		Not Required		11.0	No
		802.11ax (HE20)	MCS 0		Not Required			No
		802.11ax (HE40)	MCS 0		Not Required			No
		802.11ax (HE80)	MCS 0		Not Required			No
		802.11ax (HE160)	MCS 0		Not Required			No
		802.11be (EHT20)	MCS 0		Not Required			No
		802.11be (EHT40)	MCS 0		Not Required			No
		802.11be (EHT80)	MCS 0		Not Required			No
		802.11be (EHT160)	MCS 0		Not Required			No
		802.11be (EHT320)	MCS 0		Not Required			No
		802.11be (EHT320)	MCS 0	31	6105.0	11.55		Yes
		802.11be (EHT320)	MCS 0	63	6265.0	11.29		Yes
		802.11a	6 Mbps		Not Required		6.0	No
		802.11ax (HE20)	MCS 0		Not Required			No
		802.11ax (HE40)	MCS 0		Not Required			No
		802.11ax (HE80)	MCS 0		Not Required			No
		802.11ax (HE160)	MCS 0		Not Required			No
		802.11be (EHT20)	MCS 0		Not Required			No
		802.11be (EHT40)	MCS 0		Not Required			No
		802.11be (EHT80)	MCS 0		Not Required			No
		802.11be (EHT160)	MCS 0		Not Required			No
		802.11be (EHT320)	MCS 0		Not Required			No
		802.11be (EHT320)	MCS 0	31	6105.0	11.55		Yes
		802.11be (EHT320)	MCS 0	63	6265.0	11.29		Yes
	UNII-7 (6.525-6.885 GHz)	802.11a	6 Mbps		Not Required		11.0	No
		802.11ax (HE20)	MCS 0		Not Required			No
		802.11ax (HE40)	MCS 0		Not Required			No
		802.11ax (HE80)	MCS 0		Not Required			No
		802.11ax (HE160)	MCS 0		Not Required			No
		802.11be (EHT20)	MCS 0		Not Required			No
		802.11be (EHT40)	MCS 0		Not Required			No
		802.11be (EHT80)	MCS 0		Not Required			No
		802.11be (EHT160)	MCS 0		Not Required			No
		802.11be (EHT320)	MCS 0		Not Required			No
		802.11be (EHT320)	MCS 0	31	6105.0	11.55		Yes
		802.11be (EHT320)	MCS 0	63	6265.0	11.29		Yes
	UNII-8 (6.885-7.125 GHz)	802.11a	6 Mbps		Not Required		11.0	No
		802.11ax (HE20)	MCS 0		Not Required			No
		802.11ax (HE40)	MCS 0		Not Required			No
		802.11ax (HE80)	MCS 0		Not Required			No
		802.11ax (HE160)	MCS 0		Not Required			No
		802.11be (EHT20)	MCS 0		Not Required			No
		802.11be (EHT40)	MCS 0		Not Required			No
		802.11be (EHT80)	MCS 0		Not Required			No
		802.11be (EHT160)	MCS 0		Not Required			No
		802.11be (EHT320)	MCS 0		Not Required			No
		802.11be (EHT320)	MCS 0	31	6105.0	11.55		Yes
		802.11be (EHT320)	MCS 0	63	6265.0	11.29		Yes

Wi-Fi 6GHz (U-NII Bands) (Continued)**WLAN SISO Ant.2 Measured Output Power Results**

Antenna	Band (GHz)	Mode	Data Rate	Ch #	Freq. (MHz)	Maximum Allowed Average power (dBm)		
						DSI = 0 & 1 & 2 & 3		
						Avg Power (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
6 GHz SISO 2 (Ant.D)	UNII-5 (5.925-6.425 GHz)	LPI	802.11a		Not Required			No
			802.11ax (HE20)		Not Required		11.0	No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.5	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
		SP	802.11a		Not Required			Yes
			802.11ax (HE20)		Not Required			Yes
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required		12.5	No
			802.11be (EHT40)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
		VLP	802.11a		Not Required			Yes
			802.11ax (HE20)		Not Required			Yes
			802.11ax (HE40)		Not Required		6.0	No
			802.11ax (HE80)		Not Required		9.0	No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required			No
			802.11be (EHT80)		Not Required		12.0	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
	UNII-6 (6.425-6.525 GHz)	LPI	802.11a		Not Required			No
			802.11ax (HE20)		Not Required		11.0	No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.5	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
		VLP	802.11a		Not Required			No
			802.11ax (HE20)		Not Required		6.0	No
			802.11ax (HE40)		Not Required		9.0	No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.0	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
	UNII-7 (6.525-6.885 GHz)	LPI	802.11a		Not Required			No
			802.11ax (HE20)		Not Required		11.0	No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.5	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
		SP	802.11a		Not Required			Yes
			802.11ax (HE20)		Not Required			Yes
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required		12.5	No
			802.11be (EHT40)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
		VLP	802.11a		Not Required			No
			802.11ax (HE20)		Not Required		6.0	No
			802.11ax (HE40)		Not Required		9.0	No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.0	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
	UNII-8 (6.885-7.125 GHz)	LPI	802.11a		Not Required			Yes
			802.11ax (HE20)		Not Required			Yes
			802.11ax (HE40)		Not Required		11.0	No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.5	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
		VLP	802.11a		Not Required			No
			802.11ax (HE20)		Not Required		6.0	No
			802.11ax (HE40)		Not Required		9.0	No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.0	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No

Wi-Fi 6GHz (U-NII Bands) (Continued)**WLAN MIMO Ant.1 Measured Output Power Results**

Antenna	Band (GHz)	Mode	Data Rate	Ch #	Freq. (MHz)	Maximum Allowed Average power (dBm)		
						DSI = 0 & 1 & 2 & 3		
						Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
6 GHz MIMO 1 (Ant.E)	UNII-5 (5.925-6.425 GHz)	LPI	802.11a		Not Required			No
			802.11ax (HE20)		Not Required		11.0	No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.5	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
		SP	802.11a		Not Required			Yes
			802.11ax (HE20)		Not Required			Yes
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.5	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
		VLP	802.11a		Not Required			Yes
			802.11ax (HE20)		Not Required			Yes
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.0	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
	UNII-6 (6.425-6.525 GHz)	LPI	802.11a		Not Required			No
			802.11ax (HE20)		Not Required		11.0	No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.5	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
		VLP	802.11a		Not Required			No
			802.11ax (HE20)		Not Required		6.0	No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required		9.0	No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.0	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
	UNII-7 (6.525-6.885 GHz)	LPI	802.11a		Not Required			No
			802.11ax (HE20)		Not Required		11.0	No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.5	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
		SP	802.11a		Not Required			Yes
			802.11ax (HE20)		Not Required			Yes
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.5	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
		VLP	802.11a		Not Required			No
			802.11ax (HE20)		Not Required		6.0	No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required		9.0	No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.0	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
	UNII-8 (6.885-7.125 GHz)	LPI	802.11a		Not Required			No
			802.11ax (HE20)		Not Required		11.0	No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.5	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
		VLP	802.11a		Not Required			Yes
			802.11ax (HE20)		Not Required			Yes
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.0	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No

Wi-Fi 6GHz (U-NII Bands) (Continued)**WLAN MIMO Ant.2 Measured Output Power Results**

Antenna	Band (GHz)	Mode	Data Rate	Ch #	Freq. (MHz)	Maximum Allowed Average power (dBm)		
						DSI = 0 & 1 & 2 & 3		
						Avg Pwr (dBm)	Max. Tune-up Limit (dBm)	SAR Test (Yes/No)
6 GHz MIMO 2 (Ant.D)	UNII-5 (5.925-6.425 GHz)	LPI	802.11a		Not Required			No
			802.11ax (HE20)		Not Required		11.0	No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.5	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
			802.11be (EHT320)	31	6105.0	11.57		Yes
		SP	802.11a	63	6265.0	11.69		Yes
			802.11ax (HE20)		Not Required			No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required		12.5	No
			802.11be (EHT40)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
			802.11be (EHT320)	31	6105.0	11.57		Yes
		VLP	802.11a	63	6265.0	11.69		Yes
			802.11ax (HE20)		Not Required		6.0	No
			802.11ax (HE40)		Not Required		9.0	No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required			No
			802.11be (EHT40)		Not Required		12.0	No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
			802.11be (EHT320)		Not Required			No
	UNII-6 (6.425-6.525 GHz)	LPI	802.11a		Not Required			No
			802.11ax (HE20)		Not Required		11.0	No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required		12.5	No
			802.11be (EHT40)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
			802.11be (EHT320)		Not Required			No
		VLP	802.11a		Not Required		6.0	No
			802.11ax (HE20)		Not Required		9.0	No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required		12.0	No
			802.11be (EHT40)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
			802.11be (EHT320)		Not Required			No
	UNII-7 (6.525-6.885 GHz)	LPI	802.11a		Not Required			No
			802.11ax (HE20)		Not Required		11.0	No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required		12.5	No
			802.11be (EHT40)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
			802.11be (EHT320)	127	6585.0	11.51		Yes
		SP	802.11a	159	6745.0	11.74		Yes
			802.11ax (HE20)		Not Required			No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required		12.5	No
			802.11be (EHT40)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
			802.11be (EHT320)		Not Required			No
		VLP	802.11a		Not Required		6.0	No
			802.11ax (HE20)		Not Required		9.0	No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required		12.0	No
			802.11be (EHT40)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
			802.11be (EHT320)		Not Required			No
	UNII-8 (6.885-7.125 GHz)	LPI	802.11a		Not Required		11.0	No
			802.11ax (HE20)		Not Required			No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required		12.5	No
			802.11be (EHT40)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
			802.11be (EHT320)	191	6905.0	11.41		Yes
		VLP	802.11a		Not Required		6.0	No
			802.11ax (HE20)		Not Required		9.0	No
			802.11ax (HE40)		Not Required			No
			802.11ax (HE80)		Not Required			No
			802.11ax (HE160)		Not Required			No
			802.11be (EHT20)		Not Required		12.0	No
			802.11be (EHT40)		Not Required			No
			802.11be (EHT80)		Not Required			No
			802.11be (EHT160)		Not Required			No
			802.11be (EHT320)		Not Required			No

Wi-Fi 6GHz (U-NII Bands) (Continued)**Duty Factor Measured Results**

Mode	T on (ms)	Period (ms)	Maximum Duty Cycle	Measured Duty Cycle	Crest Factor (maximum duty/ measured duty cycle)
802.11be EHT 320	5.425	5.470	100.00%	99.18%	1.01



9.9. Bluetooth

Bluetooth(Bluetooth Low Energy) SISO Output Power Results

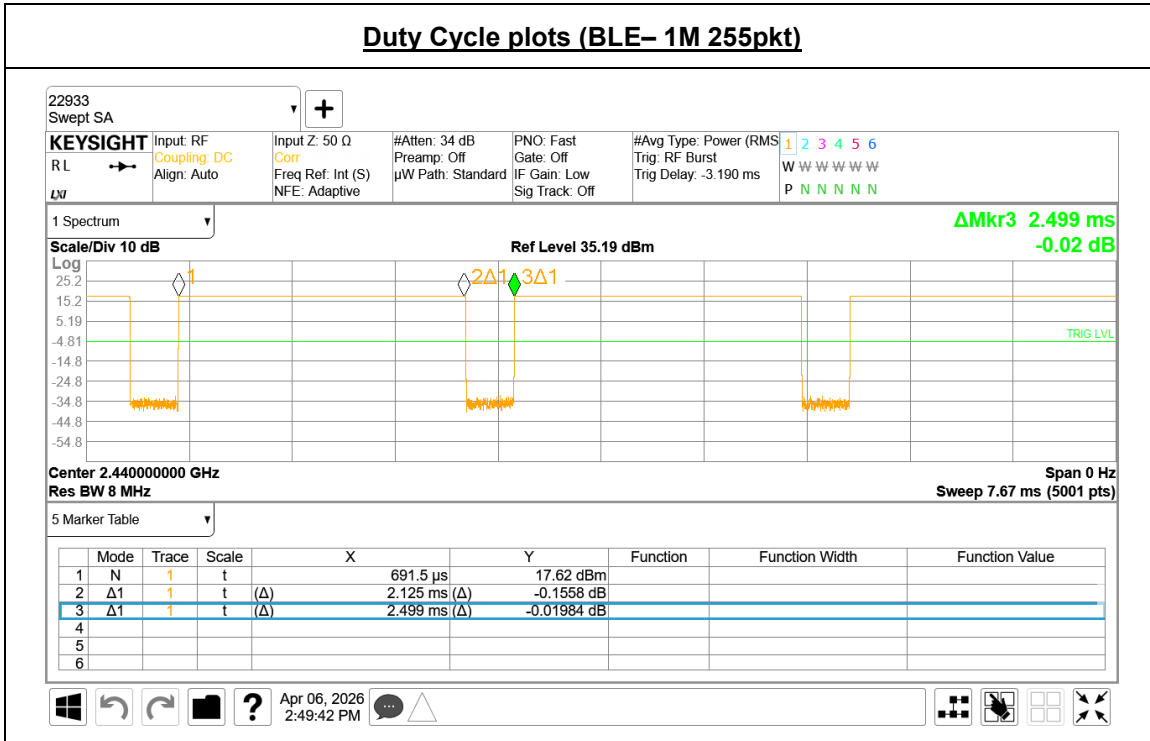
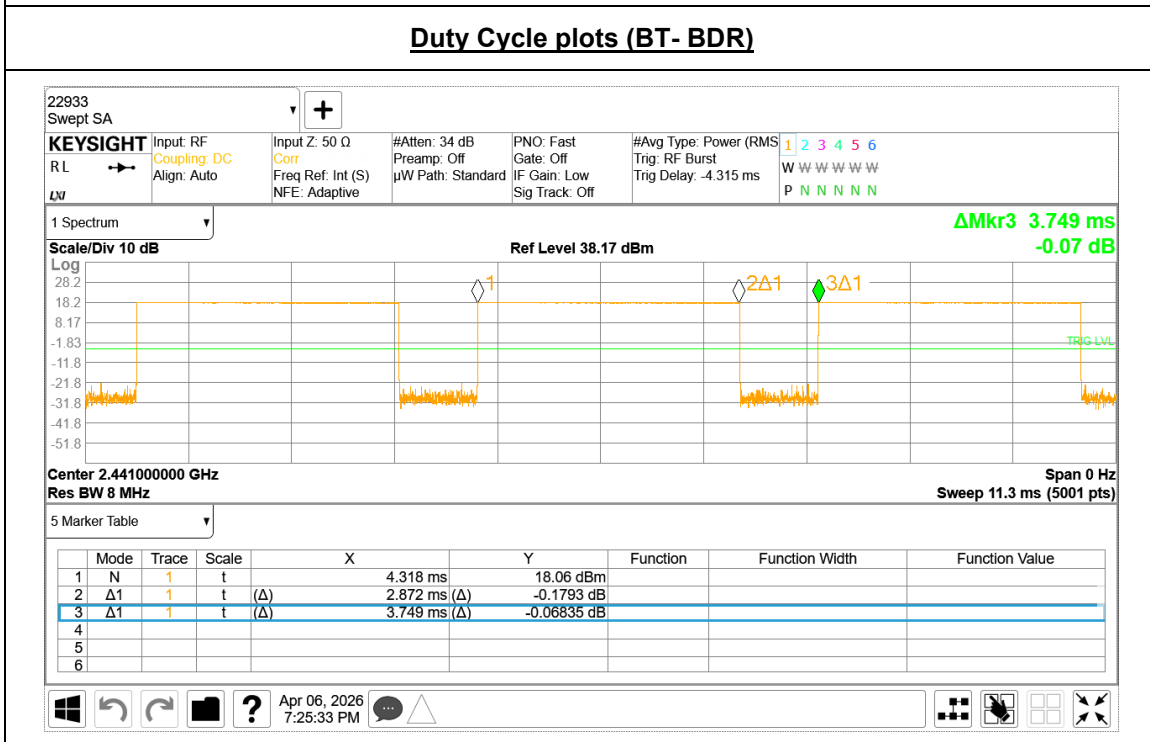
Antenna	Mode	Data Rate	Ch #	Freq. (MHz)	Maximum Allowed Average power (dBm)								
					DSI = 0 & 1		SAR test	DSI = 2 & 3		SAR test			
					Meas Pw r	Tune-up Limit		Meas Pw r	Tune-up Limit				
BT SISO 1 (Ant.D)	Bluetooth(BDR)	1Mbps	0	2402	Not required	17.00	No	Not required	14.00	No			
			39	2441									
			78	2480									
	Bluetooth(EDR)	2Mbps	0	2402		15.50	No		Not required	14.00	No		
			39	2441									
			78	2480									
		3Mbps	0	2402		15.50	No		14.00	No			
			39	2441									
			78	2480									
	Bluetooth(LE)	1Mbps (37pkt)	37	2402	Not required	17.00	No	Not required	14.00	No			
			17	2440					14.00				
			39	2480					13.00				
		1Mbps (255pkt)	37	2402	16.94	17.00	Yes	12.52	14.00	Yes			
			17	2440					12.46		14.00		
			39	2480					11.14		13.00		
		2Mbps (37pkt)	37	2402	Not required	17.00	No	Not required	14.00	No			
			17	2440					14.00				
			39	2480					13.00				
		2Mbps (255pkt)	37	2402		17.00	No		Not required	14.00	No		
			17	2440						14.00			
			39	2480						13.00			
		125kbps	37	2402		9.50	No		Not required	9.50	No		
			17	2440						9.50			
			39	2480						8.50			
			500kbps	37			2402			9.50	No	9.50	No
				17			2440					9.50	
				39			2480					8.50	
BT SISO 2 (Ant.G)	Bluetooth(BDR)	1Mbps	0	2402	Not required	17.00	No	Not required	14.00	No			
			39	2441									
			78	2480									
	Bluetooth(EDR)	2Mbps	0	2402		15.00	No		Not required	14.00	No		
			39	2441									
			78	2480									
		3Mbps	0	2402		15.00	No		14.00	No			
			39	2441									
			78	2480									
	Bluetooth(LE)	1Mbps (37pkt)	37	2402	Not required	17.00	No	Not required	14.00	No			
			17	2440					14.00				
			39	2480					13.00				
		1Mbps (255pkt)	37	2402	16.81	17.00	Yes	13.24	14.00	Yes			
			17	2440					13.61		14.00		
			39	2480					11.47		13.00		
		2Mbps (37pkt)	37	2402	Not required	17.00	No	Not required	14.00	No			
			17	2440					14.00				
			39	2480					13.00				
		2Mbps (255pkt)	37	2402		17.00	No		Not required	14.00	No		
			17	2440						14.00			
			39	2480						13.00			
		125kbps	37	2402		10.00	No		Not required	10.00	No		
			17	2440						10.00			
			39	2480						9.00			
		500kbps	37	2402		10.00	No		Not required	10.00	No		
			17	2440						10.00			
			39	2480						9.00			

Bluetooth(Bluetooth Low Energy) MIMO Output Power Results

Antenna	Mode	Data Rate	Ch #	Freq. (MHz)	Maximum Allow ed Average pow er (dBm)			Maximum Allow ed Average pow er (dBm)		
					DSI = 0 & 1		SAR test	DSI = 2 & 3		SAR test
					Meas Pw r	Tune-up Limit		Meas Pw r	Tune-up Limit	
BT MIMO 1 (Ant.D)	Bluetooth(BDR)	1Mbps	0	2402	13.43	14.50	Yes	12.70	14.00	Yes
			39	2441	14.23	14.50		12.63	14.00	
			78	2480	13.62	14.00		11.50	13.00	
	Bluetooth(EDR)	2Mbps	0	2402	Not required	12.00	No	Not required	12.00	No
			39	2441		12.00			12.00	
			78	2480		11.50			11.50	
		3Mbps	0	2402	12.00	No	12.00	No		
			39	2441	12.00		12.00			
			78	2480	11.50		11.50			
	Bluetooth(LE)	1Mbps (37pkt)	37	2402	Not required	13.00	No	Not required	13.00	No
			17	2440		13.00			13.00	
			39	2480		12.00			12.00	
		1Mbps (255pkt)	37	2402	Not required	13.00	No	Not required	13.00	No
			17	2440		13.00			13.00	
			39	2480		12.00			12.00	
		2Mbps (37pkt)	37	2402	Not required	13.00	No	Not required	13.00	No
			17	2440		13.00			13.00	
			39	2480		12.00			12.00	
		2Mbps (255pkt)	37	2402	Not required	13.00	No	Not required	13.00	No
			17	2440		13.00			13.00	
			39	2480		12.00			12.00	
		125kbps	37	2402	Not required	N/A	No	Not required	N/A	No
			17	2440		N/A			N/A	
			39	2480		N/A			N/A	
		500kbps	37	2402	Not required	N/A	No	Not required	N/A	No
			17	2440		N/A			N/A	
			39	2480		N/A			N/A	
BT MIMO 2 (Ant.G)	Bluetooth(BDR)	1Mbps	0	2402	14.45	14.50	Yes	13.47	14.00	Yes
			39	2441	14.35	14.50		13.72	14.00	
			78	2480	12.74	14.00		11.93	13.00	
	Bluetooth(EDR)	2Mbps	0	2402	Not required	11.00	No	Not required	11.00	No
			39	2441		11.00			11.00	
			78	2480		10.00			10.00	
		3Mbps	0	2402	11.00	No	11.00	No		
			39	2441	11.00		11.00			
			78	2480	10.00		10.00			
	Bluetooth(LE)	1Mbps (37pkt)	37	2402	Not required	13.00	No	Not required	13.00	No
			17	2440		13.00			13.00	
			39	2480		12.00			12.00	
		1Mbps (255pkt)	37	2402	Not required	13.00	No	Not required	13.00	No
			17	2440		13.00			13.00	
			39	2480		12.00			12.00	
		2Mbps (37pkt)	37	2402	Not required	13.00	No	Not required	13.00	No
			17	2440		13.00			13.00	
			39	2480		12.00			12.00	
		2Mbps (255pkt)	37	2402	Not required	13.00	No	Not required	13.00	No
			17	2440		13.00			13.00	
			39	2480		12.00			12.00	
		125kbps	37	2402	Not required	N/A	No	Not required	N/A	No
			17	2440		N/A			N/A	
			39	2480		N/A			N/A	
		500kbps	37	2402	Not required	N/A	No	Not required	N/A	No
			17	2440		N/A			N/A	
			39	2480		N/A			N/A	

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 255pkt	2.125	2.499	87.00%	85.03%	1.02
BT- BDR	2.872	3.749	79.00%	76.61%	1.03

Duty Cycle plots (BLE- 1M 255pkt)**Duty Cycle plots (BT- BDR)****Note(s):**

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

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.

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;

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:

The SAR measurement and test reduction procedures are structured according to either the DSSS or OFDM transmission mode configurations used in each standalone frequency band and aggregated band. SAR is measured using the highest measured maximum output power channel for the initial test configuration. SAR measurement and test reduction for the remaining 802.11 modes and test channels are determined according to measured or specified maximum output power and reported SAR of the initial measurements. The general test reduction and SAR measurement approaches are summarized in the following:

- The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures.
- For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, an “initial test configuration” is first determined for each standalone and aggregated frequency band according to the maximum output power and tune-up tolerance specified for production units.
- The Initial test configuration does not apply to DSSS. The 2.4 GHz band SAR test requirements and 802.11b DSSS procedures are used to establish the transmission configurations required for SAR measurement.
- An “initial test position” is applied to further reduce the number of SAR tests for devices operating in next to the ear, UMPC mini-tablet or hotspot mode exposure configurations that require multiple test positions.
 - SAR is measured for 802.11b according to the 2.4 GHz DSSS procedure using the exposure condition established by the initial test position.
 - SAR is measured for 2.4 GHz and 5 GHz OFDM configurations using the initial test configuration.
- The Initial test position does not apply to devices that require a fixed exposure test position.
- The “subsequent test configuration” procedures are applied to determine if additional SAR measurements are required for the remaining OFDM transmission modes that have not been tested in the initial test configuration.
- 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.

Initial Test Position Test Requirements

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 closest/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.

802.11b DSSS SAR Test Requirements

SAR is measured for 2.4 GHz 802.11b DSSS using either a fixed test position or, when applicable, the initial test position procedure.

- When the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.
- When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel.

OFDM Transmission Mode SAR Test Configuration and Channel Selection Requirements

The initial test configuration for 2.4 GHz and 5 GHz OFDM transmission modes is determined by the 802.11 configuration with the highest maximum output power specified for production units, including tune-up tolerance, in each standalone and aggregated frequency band. When multiple channel bandwidth configurations in a frequency band have the same specified maximum output power, the initial test configuration is determined by applying the following steps sequentially.

- The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same specified maximum output power.
- If multiple configurations have the same specified maximum output power and largest channel bandwidth, the lowest order modulation among the largest channel bandwidth configurations is selected.
- If multiple configurations have the same specified maximum output power, largest channel bandwidth and lowest order modulation, the lowest data rate configuration among these configurations is selected.
- When multiple transmission modes (802.11a/g/n/ac/ax/be) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected.

After an initial test configuration is determined, if multiple test channels have the same measured maximum output power, the channel chosen for SAR measurement is determined according to the following.

- The channel closest to mid-band frequency is selected for SAR measurement.
- For channels with equal separation from mid-band frequency the higher frequency (number) channel is selected for SAR measurement.

Initial Test Configuration Procedures

An initial test configuration is determined for OFDM transmission modes according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. SAR is measured using the highest measured maximum output power channel. For configurations with the same specified or measured maximum output power, additional transmission mode and test channel selection procedures are required. SAR test reduction for subsequent highest output test channels is determined according to reported SAR of the initial test configuration.

- When the reported SAR of the initial test configuration is > 0.8 W/kg, SAR measurement is required for subsequent next highest measured output power channel(s) in the initial test configuration until reported SAR is ≤ 1.2 W/kg or all required channels are tested.

Subsequent Test Configuration Procedures

SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units. Additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration.

- When SAR test exclusion provisions of KDB Publication 447498 D01 are applicable and SAR measurement is not required for the initial test configuration, SAR is also not required for the next highest maximum output power transmission mode subsequent test configuration(s) in that frequency band or aggregated band and exposure configuration.
- When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.
- When SAR measurement is required for a subsequent test configuration and the channel bandwidth is smaller than that in the initial test configuration, all channels in the subsequent test configuration that overlap with the larger bandwidth channel tested in the initial test configuration should be used to determine the highest maximum output power channel.

- SAR should first be measured for the channel with highest measured output power in the subsequent test configuration.
- SAR for subsequent highest measured maximum output power channels in the subsequent test configuration is required only when the reported SAR of the preceding higher maximum output power channel(s) in the subsequent test configuration is $> 1.2 \text{ W/kg}$ or until all required channels are tested. For channels with the same measured maximum output power, SAR should be measured using the channel closest to the center frequency of the larger channel bandwidth channel in the initial test configuration.
- SAR measurements for the remaining highest specified maximum output power OFDM transmission mode configurations that have not been tested in the initial test configuration or subsequent test configuration is determined by recursively applying the subsequent test configuration procedures in this subclause to the remaining configurations according to the following:
 - replace “subsequent test configuration” with “next subsequent test configuration”
 - replace “initial test configuration” with “all tested higher output power configurations”

WWAN Bands SAR test additional considerations

1. GSM(Voice/GPRS/EGPRS) follows the following conditions to determine the worst configuration and exclude from testing ;
 - GPRS(GMSK) mode test is performed in the highest slot among frame averaged power in Sec.6.4. If slots are same frame power, then SAR test is performed in the highest number slot.
 - SAR is not required for EGPRS (8PSK) mode, when the maximum output power and tune-up limit is $\leq 1/4\text{dB}$ higher than GPRS(GMSK) or the adjusted SAR of the highest reported SAR of GPRS(GMSK) is $\leq 1.2\text{W/kg}$.
2. NR follows the following conditions;
 - NR TDD bands(including SRS) performs test using test mode software.
 - CP-OFDM mode were evaluated at worst configuration of DFT-s-OFDM in each exposure conditions.
 - NR TDD Band 77-DoD are tested at worst configuration of NR Band n77 band based on TCB workshop guide.
3. NTN follows the following conditions;
 - NTN SAR test performed using test mode software with 100% duty cycle.
 - Worst duty cycle for NTN operation is 70.76% following NB-IoT / NTN signaling requirements. So NTN SAR test results applied downscale from 100% to 70.76%.

WLAN/BT Bands SAR test additional considerations

1. U-NII 1 Hotspot mode SAR was covered by U-NII 2A Body SAR results.
2. Reported SAR of MIMO mode conservatively scaled up from the lower measured output power between both antennas.
3. For some test positions exclude from testing under Initial test position procedure, additional Zoom scans were measured to satisfy simultaneous transmission analysis.
4. UNII 6GHz Bands tested 5 channels at the worst configuration of each RF exposure in accordance with FCC guide.
5. BT/BLE SAR test performed at worst frame averaged power mode.

UWB SAR test additional considerations

1. Measured 1g SAR of Rear/Front with 0 mm test distance is more conservative than measured 1g SAR with 5mm test distance for Body-worn exposure condition.
2. 1g SAR at Front side with 0mm test distance between the DUT and flat phantom is more conservative than a head SAR.

10.1. Folder Close SAR Results

10.1.1. GSM 850

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A	Head	GPRS 2 slots	3	0	Left Touch	190	836.6	32.50	31.42	0.120	0.154		34.4
AG.0	Ant.A	Head	GPRS 2 slots	3	0	Left Tilt	190	836.6	32.50	31.42	0.082	0.105		36.1
AG.0	Ant.A	Head	GPRS 2 slots	3	0	Right Touch	190	836.6	32.50	31.42	0.153	0.196		<u>33.3</u>
AG.0	Ant.A	Head	GPRS 2 slots	3	0	Right Tilt	190	836.6	32.50	31.42	0.084	0.108		35.9
AG.0	Ant.A	Body-worn & Hotspot	GPRS 4 slots	1	5	Rear	190	836.6	25.50	24.63	0.591	0.722	1	<u>23.7</u>
AG.0	Ant.A	Body-worn & Hotspot	GPRS 4 slots	1	5	Front	190	836.6	25.50	24.63	0.124	0.152		30.5
AG.0	Ant.A	Hotspot	GPRS 4 slots	1	10	Bottom	190	836.6	25.50	24.63	0.109	0.133		31.0
AG.0	Ant.A	Hotspot	GPRS 4 slots	1	10	Right	190	836.6	25.50	24.63	0.303	0.370		26.6
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	GPRS 2 slots	3	0	Left Touch	190	836.6	32.50	31.42	0.179	0.230		32.7
AG.0	Ant.A+B	Head	GPRS 2 slots	3	0	Left Tilt	190	836.6	32.50	31.42	0.137	0.176		33.8
AG.0	Ant.A+B	Head	GPRS 2 slots	3	0	Right Touch	190	836.6	32.50	31.42	0.220	0.282		<u>31.8</u>
AG.0	Ant.A+B	Head	GPRS 2 slots	3	0	Right Tilt	190	836.6	32.50	31.42	0.147	0.189		33.5
AG.0	Ant.A+B	Body-worn & Hotspot	GPRS 4 slots	1	5	Rear	190	836.6	25.50	24.63	0.414	0.506		<u>25.2</u>
AG.0	Ant.A+B	Body-worn & Hotspot	GPRS 4 slots	1	5	Front	190	836.6	25.50	24.63	0.107	0.131		31.1
AG.0	Ant.A+B	Hotspot	GPRS 4 slots	1	10	Bottom	190	836.6	25.50	24.63	0.051	0.062		34.3
AG.0	Ant.A+B	Hotspot	GPRS 4 slots	1	10	Right	190	836.6	25.50	24.63	0.175	0.214		29.0
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	GPRS 3 slots	3	0	Left Touch	190	836.6	30.50	28.61	0.301	0.465	2	<u>29.4</u>
AG.1	Ant.D	Head	GPRS 3 slots	3	0	Left Tilt	190	836.6	30.50	28.61	0.262	0.405		30.0
AG.1	Ant.D	Head	GPRS 3 slots	3	0	Right Touch	190	836.6	30.50	28.61	0.228	0.352		30.6
AG.1	Ant.D	Head	GPRS 3 slots	3	0	Right Tilt	190	836.6	30.50	28.61	0.191	0.295		31.3
AG.1	Ant.D	Body-worn & Hotspot	GPRS 1 slot	1	5	Rear	190	836.6	30.50	28.87	0.490	0.713		<u>22.7</u>
AG.1	Ant.D	Body-worn & Hotspot	GPRS 1 slot	1	5	Front	190	836.6	30.50	28.87	0.080	0.116		30.6
AG.1	Ant.D	Hotspot	GPRS 1 slot	1	10	Top	190	836.6	30.50	28.87	0.129	0.188		28.5
AG.1	Ant.D	Hotspot	GPRS 1 slot	1	10	Right	190	836.6	30.50	28.87	0.283	0.412		25.1

10.1.2. GSM 1900

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.B	Head	GPRS 2 slots	3	0	Left Touch	661	1880.0	29.50	27.96	0.092	0.131		32.1
AG.0	Ant.B	Head	GPRS 2 slots	3	0	Left Tilt	661	1880.0	29.50	27.96	0.034	0.048		36.4
AG.0	Ant.B	Head	GPRS 2 slots	3	0	Right Touch	661	1880.0	29.50	27.96	0.153	0.218	3	<u>29.9</u>
AG.0	Ant.B	Head	GPRS 2 slots	3	0	Right Tilt	661	1880.0	29.50	27.96	0.022	0.032		38.3
AG.0	Ant.B	Body-worn & Hotspot	GPRS 4 slots	1	5	Rear	661	1880.0	22.50	21.70	0.604	0.726	4	<u>20.7</u>
AG.0	Ant.B	Body-worn & Hotspot	GPRS 4 slots	1	5	Front	661	1880.0	22.50	21.70	0.429	0.516		22.2
AG.0	Ant.B	Hotspot	GPRS 4 slots	1	10	Bottom	661	1880.0	22.50	21.70	0.503	0.605		21.5

10.1.3. WCDMA Band II

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.1	Ant.F	Head	Rel 99 RMC	3	0	Left Touch	9400	1880.0	21.50	21.11	0.521	0.570		23.9
AG.1	Ant.F	Head	Rel 99 RMC	3	0	Left Tilt	9262	1852.4	21.50	21.15	0.884	0.958		21.6
AG.1	Ant.F	Head	Rel 99 RMC	3	0	Left Tilt	9400	1880.0	21.50	21.11	0.918	1.004	5	<u>21.4</u>
AG.1	Ant.F	Head	Rel 99 RMC	3	0	Left Tilt	9538	1907.6	21.50	21.08	0.834	0.919		21.8
AG.1	Ant.F	Head	Rel 99 RMC	3	0	Right Touch	9400	1880.0	21.50	21.11	0.647	0.708		23.0
AG.1	Ant.F	Head	Rel 99 RMC	3	0	Right Tilt	9262	1852.4	21.50	21.15	0.810	0.878		22.0
AG.1	Ant.F	Head	Rel 99 RMC	3	0	Right Tilt	9400	1880.0	21.50	21.11	0.743	0.813		22.4
AG.1	Ant.F	Head	Rel 99 RMC	3	0	Right Tilt	9538	1907.6	21.50	21.08	0.773	0.851		22.1
AG.1	Ant.F	Body-worn & Hotspot	Rel 99 RMC	1	5	Rear	9400	1880.0	17.50	16.70	0.560	0.673	6	<u>19.2</u>
AG.1	Ant.F	Body-worn & Hotspot	Rel 99 RMC	1	5	Front	9400	1880.0	17.50	16.70	0.155	0.186		24.7
AG.1	Ant.F	Hotspot	Rel 99 RMC	1	10	Top	9400	1880.0	17.50	16.70	0.295	0.355		22.0

10.1.4. WCDMA Band IV

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.1	Ant.F	Head	Rel 99 RMC	3	0	Left Touch	1413	1732.6	20.00	18.96	0.424	0.539		22.6
AG.1	Ant.F	Head	Rel 99 RMC	3	0	Left Tilt	1413	1732.6	20.00	18.96	0.545	0.692	7	<u>21.5</u>
AG.1	Ant.F	Head	Rel 99 RMC	3	0	Right Touch	1413	1732.6	20.00	18.96	0.379	0.482		23.1
AG.1	Ant.F	Head	Rel 99 RMC	3	0	Right Tilt	1413	1732.6	20.00	18.96	0.472	0.600		22.2
AG.1	Ant.F	Body-worn & Hotspot	Rel 99 RMC	1	5	Rear	1413	1732.6	16.50	15.44	0.563	0.719	8	<u>17.9</u>
AG.1	Ant.F	Body-worn & Hotspot	Rel 99 RMC	1	5	Front	1413	1732.6	16.50	15.44	0.165	0.211		23.2
AG.1	Ant.F	Hotspot	Rel 99 RMC	1	10	Top	1413	1732.6	16.50	15.44	0.269	0.343		21.1

10.1.5. WCDMA Band V

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A	Head	Rel 99 RMC	3	0	Left Touch	4183	836.6	25.30	24.48	0.111	0.134		34.0
AG.0	Ant.A	Head	Rel 99 RMC	3	0	Left Tilt	4183	836.6	25.30	24.48	0.080	0.097		35.4
AG.0	Ant.A	Head	Rel 99 RMC	3	0	Right Touch	4183	836.6	25.30	24.48	0.134	0.162		33.2
AG.0	Ant.A	Head	Rel 99 RMC	3	0	Right Tilt	4183	836.6	25.30	24.48	0.067	0.081		36.2
AG.0	Ant.A	Body-worn & Hotspot	Rel 99 RMC	1	5	Rear	4132	826.4	23.00	22.34	0.484	0.563		25.4
AG.0	Ant.A	Body-worn & Hotspot	Rel 99 RMC	1	5	Rear	4183	836.6	23.00	22.22	0.676	0.809		23.9
AG.0	Ant.A	Body-worn & Hotspot	Rel 99 RMC	1	5	Rear	4233	846.6	23.00	22.25	0.452	0.537		25.6
AG.0	Ant.A	Body-worn & Hotspot	Rel 99 RMC	1	5	Front	4183	836.6	23.00	22.22	0.184	0.220		29.5
AG.0	Ant.A	Hotspot	Rel 99 RMC	1	10	Bottom	4183	836.6	23.00	22.22	0.133	0.159		30.9
AG.0	Ant.A	Hotspot	Rel 99 RMC	1	10	Right	4183	836.6	23.00	22.22	0.391	0.468		26.2
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	Rel 99 RMC	3	0	Left Touch	4183	836.6	25.30	24.48	0.206	0.249		31.3
AG.0	Ant.A+B	Head	Rel 99 RMC	3	0	Left Tilt	4183	836.6	25.30	24.48	0.165	0.199		32.3
AG.0	Ant.A+B	Head	Rel 99 RMC	3	0	Right Touch	4183	836.6	25.30	24.48	0.273	0.330		30.1
AG.0	Ant.A+B	Head	Rel 99 RMC	3	0	Right Tilt	4183	836.6	25.30	24.48	0.180	0.217		31.9
AG.0	Ant.A+B	Body-worn & Hotspot	Rel 99 RMC	1	5	Rear	4132	826.4	23.00	22.34	0.662	0.771		24.1
AG.0	Ant.A+B	Body-worn & Hotspot	Rel 99 RMC	1	5	Rear	4183	836.6	23.00	22.22	0.674	0.807		23.9
AG.0	Ant.A+B	Body-worn & Hotspot	Rel 99 RMC	1	5	Rear	4233	846.6	23.00	22.25	0.682	0.811	9	23.9
AG.0	Ant.A+B	Body-worn & Hotspot	Rel 99 RMC	1	5	Front	4183	836.6	23.00	22.22	0.214	0.256		28.9
AG.0	Ant.A+B	Hotspot	Rel 99 RMC	1	10	Bottom	4183	836.6	23.00	22.22	0.094	0.112		32.4
AG.0	Ant.A+B	Hotspot	Rel 99 RMC	1	10	Right	4183	836.6	23.00	22.22	0.356	0.426		26.7
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	Rel 99 RMC	3	0	Left Touch	4183	836.6	25.30	23.67	0.405	0.589	10	27.5
AG.1	Ant.D	Head	Rel 99 RMC	3	0	Left Tilt	4183	836.6	25.30	23.67	0.331	0.482		28.4
AG.1	Ant.D	Head	Rel 99 RMC	3	0	Right Touch	4183	836.6	25.30	23.67	0.261	0.380		29.5
AG.1	Ant.D	Head	Rel 99 RMC	3	0	Right Tilt	4183	836.6	25.30	23.67	0.232	0.338		30.0
AG.1	Ant.D	Body-worn & Hotspot	Rel 99 RMC	1	5	Rear	4183	836.6	22.00	20.12	0.513	0.791		23.0
AG.1	Ant.D	Body-worn & Hotspot	Rel 99 RMC	1	5	Front	4183	836.6	22.00	20.12	0.094	0.145		30.3
AG.1	Ant.D	Hotspot	Rel 99 RMC	1	10	Top	4183	836.6	22.00	20.12	0.152	0.234		28.3
AG.1	Ant.D	Hotspot	Rel 99 RMC	1	10	Right	4183	836.6	22.00	20.12	0.354	0.546		24.6

10.1.6. LTE Band 71 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.0	Ant.A	Head	QPSK	20	3	0	Left Touch	133297	680.5	1	0	25.50	24.63	0.025	0.031		40.6
AG.0	Ant.A	Head	QPSK	20	3	0	Left Touch	133297	680.5	50	0	24.50	23.52	0.025	0.031		39.5
AG.0	Ant.A	Head	QPSK	20	3	0	Left Tilt	133297	680.5	1	0	25.50	24.63	0.022	0.027		41.2
AG.0	Ant.A	Head	QPSK	20	3	0	Left Tilt	133297	680.5	50	0	24.50	23.52	0.022	0.027		40.1
AG.0	Ant.A	Head	QPSK	20	3	0	Right Touch	133297	680.5	1	0	25.50	24.63	0.048	0.059		37.8
AG.0	Ant.A	Head	QPSK	20	3	0	Right Touch	133297	680.5	50	0	24.50	23.52	0.030	0.037		38.8
AG.0	Ant.A	Head	QPSK	20	3	0	Right Tilt	133297	680.5	1	0	25.50	24.63	0.026	0.032		40.4
AG.0	Ant.A	Head	QPSK	20	3	0	Right Tilt	133297	680.5	50	0	24.50	23.52	0.017	0.022		41.1
AG.0	Ant.A	Body-worn & Hotspot	QPSK	20	1	5	Rear	133297	680.5	1	0	23.00	22.37	0.340	0.393		27.0
AG.0	Ant.A	Body-worn & Hotspot	QPSK	20	1	5	Rear	133297	680.5	50	0	23.00	22.28	0.359	0.424		26.7
AG.0	Ant.A	Body-worn & Hotspot	QPSK	20	1	5	Front	133297	680.5	1	0	23.00	22.37	0.064	0.073		34.3
AG.0	Ant.A	Body-worn & Hotspot	QPSK	20	1	5	Front	133297	680.5	50	0	23.00	22.28	0.073	0.086		33.6
AG.0	Ant.A	Hotspot	QPSK	20	1	10	Bottom	133297	680.5	1	0	23.00	22.37	0.077	0.089		33.5
AG.0	Ant.A	Hotspot	QPSK	20	1	10	Bottom	133297	680.5	50	0	23.00	22.28	0.085	0.101		32.9
AG.0	Ant.A	Hotspot	QPSK	20	1	10	Right	133297	680.5	1	0	23.00	22.37	0.148	0.171		30.6
AG.0	Ant.A	Hotspot	QPSK	20	1	10	Right	133297	680.5	50	0	23.00	22.28	0.165	0.195		30.1
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.0	Ant.A+B	Head	QPSK	20	3	0	Left Touch	133297	680.5	1	0	25.50	24.63	0.051	0.062		37.5
AG.0	Ant.A+B	Head	QPSK	20	3	0	Left Touch	133297	680.5	50	0	24.50	23.52	0.062	0.078		35.5
AG.0	Ant.A+B	Head	QPSK	20	3	0	Left Tilt	133297	680.5	1	0	25.50	24.63	0.031	0.038		39.7
AG.0	Ant.A+B	Head	QPSK	20	3	0	Left Tilt	133297	680.5	50	0	24.50	23.52	0.042	0.053		37.2
AG.0	Ant.A+B	Head	QPSK	20	3	0	Right Touch	133297	680.5	1	0	25.50	24.63	0.087	0.106		35.2
AG.0	Ant.A+B	Head	QPSK	20	3	0	Right Touch	133297	680.5	50	0	24.50	23.52	0.095	0.119		33.7
AG.0	Ant.A+B	Head	QPSK	20	3	0	Right Tilt	133297	680.5	1	0	25.50	24.63	0.045	0.055		38.0
AG.0	Ant.A+B	Head	QPSK	20	3	0	Right Tilt	133297	680.5	50	0	24.50	23.52	0.049	0.061		36.6
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	20	1	5	Rear	133297	680.5	1	0	23.00	22.37	0.467	0.540		25.6
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	20	1	5	Rear	133297	680.5	50	0	23.00	22.28	0.487	0.575		25.4
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	20	1	5	Front	133297	680.5	1	0	23.00	22.37	0.195	0.225		29.4
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	20	1	5	Front	133297	680.5	50	0	23.00	22.28	0.183	0.216		29.6
AG.0	Ant.A+B	Hotspot	QPSK	20	1	10	Bottom	133297	680.5	1	0	23.00	22.37	0.090	0.104		32.8
AG.0	Ant.A+B	Hotspot	QPSK	20	1	10	Bottom	133297	680.5	50	0	23.00	22.28	0.081	0.096		33.1
AG.0	Ant.A+B	Hotspot	QPSK	20	1	10	Right	133297	680.5	1	0	23.00	22.37	0.156	0.180		30.4
AG.0	Ant.A+B	Hotspot	QPSK	20	1	10	Right	133297	680.5	50	0	23.00	22.28	0.164	0.194		30.1
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.1	Ant.D	Head	QPSK	20	3	0	Left Touch	133297	680.5	1	49	25.00	24.30	0.101	0.119		34.2
AG.1	Ant.D	Head	QPSK	20	3	0	Left Touch	133297	680.5	50	0	24.00	23.32	0.119	0.139		32.5
AG.1	Ant.D	Head	QPSK	20	3	0	Left Tilt	133297	680.5	1	49	25.00	24.30	0.112	0.132		33.8
AG.1	Ant.D	Head	QPSK	20	3	0	Left Tilt	133297	680.5	50	0	24.00	23.32	0.156	0.182	11	31.3
AG.1	Ant.D	Head	QPSK	20	3	0	Right Touch	133297	680.5	1	49	25.00	24.30	0.059	0.069		36.5
AG.1	Ant.D	Head	QPSK	20	3	0	Right Touch	133297	680.5	50	0	24.00	23.32	0.075	0.088		34.5
AG.1	Ant.D	Head	QPSK	20	3	0	Right Tilt	133297	680.5	1	49	25.00	24.30	0.049	0.058		37.3
AG.1	Ant.D	Head	QPSK	20	3	0	Right Tilt	133297	680.5	50	0	24.00	23.32	0.064	0.075		35.2
AG.1	Ant.D	Body-worn & Hotspot	QPSK	20	1	5	Rear	133297	680.5	1	0	24.00	22.73	0.471	0.631	12	25.9
AG.1	Ant.D	Body-worn & Hotspot	QPSK	20	1	5	Rear	133297	680.5	50	24	24.00	22.79	0.414	0.547		26.6
AG.1	Ant.D	Body-worn & Hotspot	QPSK	20	1	5	Front	133297	680.5	1	0	24.00	22.73	0.063	0.084		34.7
AG.1	Ant.D	Body-worn & Hotspot	QPSK	20	1	5	Front	133297	680.5	50	24	24.00	22.79	0.091	0.120		33.1
AG.1	Ant.D	Hotspot	QPSK	20	1	10	Top	133297	680.5	1	0	24.00	22.73	0.130	0.174		31.5
AG.1	Ant.D	Hotspot	QPSK	20	1	10	Top	133297	680.5	50	24	24.00	22.79	0.125	0.165		31.8
AG.1	Ant.D	Hotspot	QPSK	20	1	10	Right	133297	680.5	1	0	24.00	22.73	0.189	0.253		29.9
AG.1	Ant.D	Hotspot	QPSK	20	1	10	Right	133297	680.5	50	24	24.00	22.79	0.222	0.293		29.3

10.1.7. LTE Band 12 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A	Head	QPSK	10	3	0	Left Touch	23095	707.5	1	25	25.20	24.72	0.046	0.051		38.1
AG.0	Ant.A	Head	QPSK	10	3	0	Left Touch	23095	707.5	25	12	24.20	23.59	0.035	0.041		38.1
AG.0	Ant.A	Head	QPSK	10	3	0	Left Tilt	23095	707.5	1	25	25.20	24.72	0.042	0.047		38.4
AG.0	Ant.A	Head	QPSK	10	3	0	Left Tilt	23095	707.5	25	12	24.20	23.59	0.032	0.037		38.5
AG.0	Ant.A	Head	QPSK	10	3	0	Right Touch	23095	707.5	1	25	25.20	24.72	0.078	0.087		35.7
AG.0	Ant.A	Head	QPSK	10	3	0	Right Touch	23095	707.5	25	12	24.20	23.59	0.062	0.072		35.6
AG.0	Ant.A	Head	QPSK	10	3	0	Right Tilt	23095	707.5	1	25	25.20	24.72	0.043	0.048		38.3
AG.0	Ant.A	Head	QPSK	10	3	0	Right Tilt	23095	707.5	25	12	24.20	23.59	0.034	0.039		38.3
AG.0	Ant.A	Body-worn & Hotspot	QPSK	10	1	5	Rear	23095	707.5	1	25	23.00	22.37	0.302	0.349		27.5
AG.0	Ant.A	Body-worn & Hotspot	QPSK	10	1	5	Rear	23095	707.5	25	12	23.00	22.27	0.309	0.366		27.3
AG.0	Ant.A	Body-worn & Hotspot	QPSK	10	1	5	Front	23095	707.5	1	25	23.00	22.37	0.077	0.089		33.5
AG.0	Ant.A	Body-worn & Hotspot	QPSK	10	1	5	Front	23095	707.5	25	12	23.00	22.27	0.079	0.093		33.3
AG.0	Ant.A	Hotspot	QPSK	10	1	10	Bottom	23095	707.5	1	25	23.00	22.37	0.069	0.080		33.9
AG.0	Ant.A	Hotspot	QPSK	10	1	10	Bottom	23095	707.5	25	12	23.00	22.27	0.071	0.084		33.7
AG.0	Ant.A	Hotspot	QPSK	10	1	10	Right	23095	707.5	1	25	23.00	22.37	0.170	0.197		30.0
AG.0	Ant.A	Hotspot	QPSK	10	1	10	Right	23095	707.5	25	12	23.00	22.27	0.176	0.208		29.8
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	QPSK	10	3	0	Left Touch	23095	707.5	1	25	25.20	24.72	0.128	0.143		33.6
AG.0	Ant.A+B	Head	QPSK	10	3	0	Left Touch	23095	707.5	25	12	24.20	23.59	0.099	0.114		33.6
AG.0	Ant.A+B	Head	QPSK	10	3	0	Left Tilt	23095	707.5	1	25	25.20	24.72	0.093	0.104		35.0
AG.0	Ant.A+B	Head	QPSK	10	3	0	Left Tilt	23095	707.5	25	12	24.20	23.59	0.070	0.081		35.1
AG.0	Ant.A+B	Head	QPSK	10	3	0	Right Touch	23095	707.5	1	25	25.20	24.72	0.177	0.198	13	32.2
AG.0	Ant.A+B	Head	QPSK	10	3	0	Right Touch	23095	707.5	25	12	24.20	23.59	0.142	0.163		32.0
AG.0	Ant.A+B	Head	QPSK	10	3	0	Right Tilt	23095	707.5	1	25	25.20	24.72	0.079	0.088		35.7
AG.0	Ant.A+B	Head	QPSK	10	3	0	Right Tilt	23095	707.5	25	12	24.20	23.59	0.080	0.092		34.5
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	1	5	Rear	23095	707.5	1	25	23.00	22.37	0.462	0.534		25.7
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	1	5	Rear	23095	707.5	25	12	23.00	22.27	0.472	0.558		25.5
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	1	5	Front	23095	707.5	1	25	23.00	22.37	0.266	0.308		28.1
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	1	5	Front	23095	707.5	25	12	23.00	22.27	0.214	0.253		28.9
AG.0	Ant.A+B	Hotspot	QPSK	10	1	10	Bottom	23095	707.5	1	25	23.00	22.37	0.115	0.133		31.7
AG.0	Ant.A+B	Hotspot	QPSK	10	1	10	Bottom	23095	707.5	25	12	23.00	22.27	0.097	0.115		32.4
AG.0	Ant.A+B	Hotspot	QPSK	10	1	10	Right	23095	707.5	1	25	23.00	22.37	0.239	0.276		28.5
AG.0	Ant.A+B	Hotspot	QPSK	10	1	10	Right	23095	707.5	25	12	23.00	22.27	0.241	0.285		28.4
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	QPSK	10	3	0	Left Touch	23095	707.5	1	25	25.00	24.79	0.144	0.151		33.2
AG.1	Ant.D	Head	QPSK	10	3	0	Left Touch	23095	707.5	25	12	24.00	23.87	0.177	0.182		31.3
AG.1	Ant.D	Head	QPSK	10	3	0	Left Tilt	23095	707.5	1	25	25.00	24.79	0.157	0.165		32.8
AG.1	Ant.D	Head	QPSK	10	3	0	Left Tilt	23095	707.5	25	12	24.00	23.87	0.186	0.192		31.1
AG.1	Ant.D	Head	QPSK	10	3	0	Right Touch	23095	707.5	1	25	25.00	24.79	0.078	0.082		35.8
AG.1	Ant.D	Head	QPSK	10	3	0	Right Touch	23095	707.5	25	12	24.00	23.87	0.089	0.092		34.3
AG.1	Ant.D	Head	QPSK	10	3	0	Right Tilt	23095	707.5	1	25	25.00	24.79	0.079	0.083		35.8
AG.1	Ant.D	Head	QPSK	10	3	0	Right Tilt	23095	707.5	25	12	24.00	23.87	0.083	0.086		34.6
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Rear	23095	707.5	1	0	24.00	23.46	0.469	0.531		26.7
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Rear	23095	707.5	25	12	24.00	23.29	0.481	0.566	14	26.4
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Front	23095	707.5	1	0	24.00	23.46	0.081	0.092		34.3
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Front	23095	707.5	25	12	24.00	23.29	0.101	0.119		33.2
AG.1	Ant.D	Hotspot	QPSK	10	1	10	Top	23095	707.5	1	0	24.00	23.46	0.153	0.173		31.6
AG.1	Ant.D	Hotspot	QPSK	10	1	10	Top	23095	707.5	25	12	24.00	23.29	0.153	0.180		31.4
AG.1	Ant.D	Hotspot	QPSK	10	1	10	Right	23095	707.5	1	0	24.00	23.46	0.262	0.297		29.2
AG.1	Ant.D	Hotspot	QPSK	10	1	10	Right	23095	707.5	25	12	24.00	23.29	0.237	0.279		29.5

10.1.8. LTE Band 13 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A	Head	QPSK	10	3	0	Left Touch	23230	782.0	1	0	25.50	24.91	0.110	0.126		34.4
AG.0	Ant.A	Head	QPSK	10	3	0	Left Touch	23230	782.0	25	0	24.50	23.81	0.082	0.096		34.6
AG.0	Ant.A	Head	QPSK	10	3	0	Left Tilt	23230	782.0	1	0	25.50	24.91	0.094	0.108		35.1
AG.0	Ant.A	Head	QPSK	10	3	0	Left Tilt	23230	782.0	25	0	24.50	23.81	0.083	0.097		34.6
AG.0	Ant.A	Head	QPSK	10	3	0	Right Touch	23230	782.0	1	0	25.50	24.91	0.166	0.190		32.7
AG.0	Ant.A	Head	QPSK	10	3	0	Right Touch	23230	782.0	25	0	24.50	23.81	0.149	0.175		32.0
AG.0	Ant.A	Head	QPSK	10	3	0	Right Tilt	23230	782.0	1	0	25.50	24.91	0.164	0.188		32.7
AG.0	Ant.A	Head	QPSK	10	3	0	Right Tilt	23230	782.0	25	0	24.50	23.81	0.149	0.175		32.0
AG.0	Ant.A	Body-worn & Hotspot	QPSK	10	1	5	Rear	23230	782.0	1	0	23.00	22.34	0.432	0.503		25.9
AG.0	Ant.A	Body-worn & Hotspot	QPSK	10	1	5	Rear	23230	782.0	25	0	23.00	22.29	0.431	0.508		25.9
AG.0	Ant.A	Body-worn & Hotspot	QPSK	10	1	5	Front	23230	782.0	1	0	23.00	22.34	0.159	0.185		30.3
AG.0	Ant.A	Body-worn & Hotspot	QPSK	10	1	5	Front	23230	782.0	25	0	23.00	22.29	0.160	0.188		30.2
AG.0	Ant.A	Hotspot	QPSK	10	1	10	Bottom	23230	782.0	1	0	23.00	22.34	0.103	0.120		32.2
AG.0	Ant.A	Hotspot	QPSK	10	1	10	Bottom	23230	782.0	25	0	23.00	22.29	0.104	0.122		32.1
AG.0	Ant.A	Hotspot	QPSK	10	1	10	Right	23230	782.0	1	0	23.00	22.34	0.229	0.267		28.7
AG.0	Ant.A	Hotspot	QPSK	10	1	10	Right	23230	782.0	25	0	23.00	22.29	0.240	0.283		28.4
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	QPSK	10	3	0	Left Touch	23230	782.0	1	0	25.50	24.91	0.141	0.162		33.4
AG.0	Ant.A+B	Head	QPSK	10	3	0	Left Touch	23230	782.0	25	0	24.50	23.81	0.124	0.145		32.8
AG.0	Ant.A+B	Head	QPSK	10	3	0	Left Tilt	23230	782.0	1	0	25.50	24.91	0.111	0.127		34.4
AG.0	Ant.A+B	Head	QPSK	10	3	0	Left Tilt	23230	782.0	25	0	24.50	23.81	0.096	0.113		33.9
AG.0	Ant.A+B	Head	QPSK	10	3	0	Right Touch	23230	782.0	1	0	25.50	24.91	0.228	0.261		31.3
AG.0	Ant.A+B	Head	QPSK	10	3	0	Right Touch	23230	782.0	25	0	24.50	23.81	0.197	0.231		30.8
AG.0	Ant.A+B	Head	QPSK	10	3	0	Right Tilt	23230	782.0	1	0	25.50	24.91	0.140	0.160		33.4
AG.0	Ant.A+B	Head	QPSK	10	3	0	Right Tilt	23230	782.0	25	0	24.50	23.81	0.139	0.163		32.3
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	1	5	Rear	23230	782.0	1	0	23.00	22.34	0.635	0.739		24.3
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	1	5	Rear	23230	782.0	25	0	23.00	22.29	0.624	0.735		24.3
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	1	5	Front	23230	782.0	1	0	23.00	22.34	0.319	0.371		27.3
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	1	5	Front	23230	782.0	25	0	23.00	22.29	0.269	0.317		27.9
AG.0	Ant.A+B	Hotspot	QPSK	10	1	10	Bottom	23230	782.0	1	0	23.00	22.34	0.114	0.133		31.7
AG.0	Ant.A+B	Hotspot	QPSK	10	1	10	Bottom	23230	782.0	25	0	23.00	22.29	0.094	0.111		32.5
AG.0	Ant.A+B	Hotspot	QPSK	10	1	10	Right	23230	782.0	1	0	23.00	22.34	0.307	0.357		27.4
AG.0	Ant.A+B	Hotspot	QPSK	10	1	10	Right	23230	782.0	25	0	23.00	22.29	0.325	0.383		27.1
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	QPSK	10	3	0	Left Touch	23230	782.0	1	25	25.00	23.73	0.279	0.374		29.2
AG.1	Ant.D	Head	QPSK	10	3	0	Left Touch	23230	782.0	25	25	24.00	22.82	0.255	0.335		28.7
AG.1	Ant.D	Head	QPSK	10	3	0	Left Tilt	23230	782.0	1	25	25.00	23.73	0.283	0.379	15	29.2
AG.1	Ant.D	Head	QPSK	10	3	0	Left Tilt	23230	782.0	25	25	24.00	22.82	0.257	0.337		28.7
AG.1	Ant.D	Head	QPSK	10	3	0	Right Touch	23230	782.0	1	25	25.00	23.73	0.164	0.220		31.5
AG.1	Ant.D	Head	QPSK	10	3	0	Right Touch	23230	782.0	25	25	24.00	22.82	0.149	0.196		31.0
AG.1	Ant.D	Head	QPSK	10	3	0	Right Tilt	23230	782.0	1	25	25.00	23.73	0.124	0.166		32.7
AG.1	Ant.D	Head	QPSK	10	3	0	Right Tilt	23230	782.0	25	25	24.00	22.82	0.111	0.146		32.3
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Rear	23230	782.0	1	49	24.00	22.15	0.643	0.984		24.0
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Rear	23230	782.0	25	12	24.00	22.18	0.664	1.010		23.9
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Rear	23230	782.0	50	0	24.00	22.07	0.660	1.029	16	23.8
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Front	23230	782.0	1	49	24.00	22.15	0.137	0.210		30.7
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Front	23230	782.0	25	12	24.00	22.18	0.142	0.216		30.6
AG.1	Ant.D	Hotspot	QPSK	10	1	10	Top	23230	782.0	1	49	24.00	22.15	0.164	0.251		30.0
AG.1	Ant.D	Hotspot	QPSK	10	1	10	Top	23230	782.0	25	12	24.00	22.18	0.165	0.251		30.0
AG.1	Ant.D	Hotspot	QPSK	10	1	10	Right	23230	782.0	1	49	24.00	22.15	0.212	0.325		28.8
AG.1	Ant.D	Hotspot	QPSK	10	1	10	Right	23230	782.0	25	12	24.00	22.18	0.212	0.322		28.9

10.1.9. LTE Band 14 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A	Head	QPSK	10	3	0	Left Touch	23330	793.0	1	0	25.50	24.96	0.140	0.159		33.4
AG.0	Ant.A	Head	QPSK	10	3	0	Left Touch	23330	793.0	25	0	24.50	23.72	0.137	0.164		32.3
AG.0	Ant.A	Head	QPSK	10	3	0	Left Tilt	23330	793.0	1	0	25.50	24.96	0.117	0.132		34.2
AG.0	Ant.A	Head	QPSK	10	3	0	Left Tilt	23330	793.0	25	0	24.50	23.72	0.117	0.140		33.0
AG.0	Ant.A	Head	QPSK	10	3	0	Right Touch	23330	793.0	1	0	25.50	24.96	0.195	0.221		32.0
AG.0	Ant.A	Head	QPSK	10	3	0	Right Touch	23330	793.0	25	0	24.50	23.72	0.192	0.230		30.8
AG.0	Ant.A	Head	QPSK	10	3	0	Right Tilt	23330	793.0	1	0	25.50	24.96	0.127	0.144		33.9
AG.0	Ant.A	Head	QPSK	10	3	0	Right Tilt	23330	793.0	25	0	24.50	23.72	0.124	0.148		32.7
AG.0	Ant.A	Body-worn & Hotspot	QPSK	10	1	5	Rear	23330	793.0	1	0	23.00	22.30	0.446	0.524		25.8
AG.0	Ant.A	Body-worn & Hotspot	QPSK	10	1	5	Rear	23330	793.0	25	0	23.00	22.27	0.458	0.542		25.6
AG.0	Ant.A	Body-worn & Hotspot	QPSK	10	1	5	Front	23330	793.0	1	0	23.00	22.30	0.145	0.170		30.6
AG.0	Ant.A	Body-worn & Hotspot	QPSK	10	1	5	Front	23330	793.0	25	0	23.00	22.27	0.147	0.174		30.5
AG.0	Ant.A	Hotspot	QPSK	10	1	10	Bottom	23330	793.0	1	0	23.00	22.30	0.094	0.110		32.5
AG.0	Ant.A	Hotspot	QPSK	10	1	10	Bottom	23330	793.0	25	0	23.00	22.27	0.093	0.110		32.5
AG.0	Ant.A	Hotspot	QPSK	10	1	10	Right	23330	793.0	1	0	23.00	22.30	0.217	0.255		28.9
AG.0	Ant.A	Hotspot	QPSK	10	1	10	Right	23330	793.0	25	0	23.00	22.27	0.216	0.256		28.9
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	QPSK	10	3	0	Left Touch	23330	793.0	1	0	25.50	24.96	0.163	0.185		32.8
AG.0	Ant.A+B	Head	QPSK	10	3	0	Left Touch	23330	793.0	25	0	24.50	23.72	0.145	0.174		32.1
AG.0	Ant.A+B	Head	QPSK	10	3	0	Left Tilt	23330	793.0	1	0	25.50	24.96	0.120	0.136		34.1
AG.0	Ant.A+B	Head	QPSK	10	3	0	Left Tilt	23330	793.0	25	0	24.50	23.72	0.091	0.109		34.1
AG.0	Ant.A+B	Head	QPSK	10	3	0	Right Touch	23330	793.0	1	0	25.50	24.96	0.224	0.254		31.4
AG.0	Ant.A+B	Head	QPSK	10	3	0	Right Touch	23330	793.0	25	0	24.50	23.72	0.204	0.244		30.6
AG.0	Ant.A+B	Head	QPSK	10	3	0	Right Tilt	23330	793.0	1	0	25.50	24.96	0.157	0.178		33.0
AG.0	Ant.A+B	Head	QPSK	10	3	0	Right Tilt	23330	793.0	25	0	24.50	23.72	0.147	0.176		32.0
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	1	5	Rear	23330	793.0	1	0	23.00	22.30	0.613	0.720		24.4
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	1	5	Rear	23330	793.0	25	0	23.00	22.27	0.608	0.719		24.4
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	1	5	Front	23330	793.0	1	0	23.00	22.30	0.307	0.361		27.4
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	1	5	Front	23330	793.0	25	0	23.00	22.27	0.287	0.340		27.6
AG.0	Ant.A+B	Hotspot	QPSK	10	1	10	Bottom	23330	793.0	1	0	23.00	22.30	0.114	0.134		31.7
AG.0	Ant.A+B	Hotspot	QPSK	10	1	10	Bottom	23330	793.0	25	0	23.00	22.27	0.103	0.122		32.1
AG.0	Ant.A+B	Hotspot	QPSK	10	1	10	Right	23330	793.0	1	0	23.00	22.30	0.337	0.396		27.0
AG.0	Ant.A+B	Hotspot	QPSK	10	1	10	Right	23330	793.0	25	0	23.00	22.27	0.330	0.390		27.0
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	QPSK	10	3	0	Left Touch	23330	793.0	1	25	25.00	24.11	0.269	0.330	17	29.8
AG.1	Ant.D	Head	QPSK	10	3	0	Left Touch	23330	793.0	25	0	24.00	23.11	0.253	0.311		29.0
AG.1	Ant.D	Head	QPSK	10	3	0	Left Tilt	23330	793.0	1	25	25.00	24.11	0.252	0.309		30.0
AG.1	Ant.D	Head	QPSK	10	3	0	Left Tilt	23330	793.0	25	0	24.00	23.11	0.237	0.291		29.3
AG.1	Ant.D	Head	QPSK	10	3	0	Right Touch	23330	793.0	1	25	25.00	24.11	0.152	0.187		32.2
AG.1	Ant.D	Head	QPSK	10	3	0	Right Touch	23330	793.0	25	0	24.00	23.11	0.149	0.183		31.3
AG.1	Ant.D	Head	QPSK	10	3	0	Right Tilt	23330	793.0	1	25	25.00	24.11	0.121	0.149		33.2
AG.1	Ant.D	Head	QPSK	10	3	0	Right Tilt	23330	793.0	25	0	24.00	23.11	0.114	0.140		32.5
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Rear	23330	793.0	1	49	24.00	22.23	0.640	0.962		24.1
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Rear	23330	793.0	25	12	24.00	22.30	0.662	0.979		24.0
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Rear	23330	793.0	50	0	24.00	22.20	0.653	0.988	18	24.0
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Front	23330	793.0	1	49	24.00	22.23	0.158	0.237		30.2
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Front	23330	793.0	25	12	24.00	22.30	0.159	0.235		30.2
AG.1	Ant.D	Hotspot	QPSK	10	1	10	Top	23330	793.0	1	49	24.00	22.23	0.184	0.277		29.5
AG.1	Ant.D	Hotspot	QPSK	10	1	10	Top	23330	793.0	25	12	24.00	22.30	0.191	0.283		29.4
AG.1	Ant.D	Hotspot	QPSK	10	1	10	Right	23330	793.0	1	49	24.00	22.23	0.277	0.416		27.8
AG.1	Ant.D	Hotspot	QPSK	10	1	10	Right	23330	793.0	25	12	24.00	22.30	0.265	0.392		28.0

10.1.10. LTE Band 26 (15MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A	Head	QPSK	15	3	0	Left Touch	26865	831.5	1	0	25.50	24.73	0.158	0.189		32.7
AG.0	Ant.A	Head	QPSK	15	3	0	Left Touch	26865	831.5	36	0	24.50	23.87	0.128	0.148		32.7
AG.0	Ant.A	Head	QPSK	15	3	0	Left Tilt	26865	831.5	1	0	25.50	24.73	0.146	0.174		33.0
AG.0	Ant.A	Head	QPSK	15	3	0	Left Tilt	26865	831.5	36	0	24.50	23.87	0.110	0.127		33.4
AG.0	Ant.A	Head	QPSK	15	3	0	Right Touch	26865	831.5	1	0	25.50	24.73	0.243	0.290		30.8
AG.0	Ant.A	Head	QPSK	15	3	0	Right Touch	26865	831.5	36	0	24.50	23.87	0.181	0.209		31.2
AG.0	Ant.A	Head	QPSK	15	3	0	Right Tilt	26865	831.5	1	0	25.50	24.73	0.163	0.195		32.6
AG.0	Ant.A	Head	QPSK	15	3	0	Right Tilt	26865	831.5	36	0	24.50	23.87	0.113	0.131		33.3
AG.0	Ant.A	Body-worn & Hotspot	QPSK	15	1	5	Rear	26865	831.5	1	0	23.00	22.78	0.631	0.664		24.7
AG.0	Ant.A	Body-worn & Hotspot	QPSK	15	1	5	Rear	26865	831.5	36	0	23.00	22.34	0.643	0.749		24.2
AG.0	Ant.A	Body-worn & Hotspot	QPSK	15	1	5	Front	26865	831.5	1	0	23.00	22.78	0.154	0.162		30.9
AG.0	Ant.A	Body-worn & Hotspot	QPSK	15	1	5	Front	26865	831.5	36	0	23.00	22.34	0.161	0.187		30.2
AG.0	Ant.A	Hotspot	QPSK	15	1	10	Bottom	26865	831.5	1	0	23.00	22.78	0.128	0.135		31.7
AG.0	Ant.A	Hotspot	QPSK	15	1	10	Bottom	26865	831.5	36	0	23.00	22.34	0.131	0.153		31.1
AG.0	Ant.A	Hotspot	QPSK	15	1	10	Right	26865	831.5	1	0	23.00	22.78	0.181	0.190		30.2
AG.0	Ant.A	Hotspot	QPSK	15	1	10	Right	26865	831.5	36	0	23.00	22.34	0.194	0.226		29.4
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	QPSK	15	3	0	Left Touch	26865	831.5	1	0	25.50	24.73	0.220	0.263		31.3
AG.0	Ant.A+B	Head	QPSK	15	3	0	Left Touch	26865	831.5	36	0	24.50	23.87	0.195	0.225		30.9
AG.0	Ant.A+B	Head	QPSK	15	3	0	Left Tilt	26865	831.5	1	0	25.50	24.73	0.161	0.192		32.6
AG.0	Ant.A+B	Head	QPSK	15	3	0	Left Tilt	26865	831.5	36	0	24.50	23.87	0.132	0.153		32.6
AG.0	Ant.A+B	Head	QPSK	15	3	0	Right Touch	26865	831.5	1	0	25.50	24.73	0.270	0.322		30.4
AG.0	Ant.A+B	Head	QPSK	15	3	0	Right Touch	26865	831.5	36	0	24.50	23.87	0.211	0.244		30.6
AG.0	Ant.A+B	Head	QPSK	15	3	0	Right Tilt	26865	831.5	1	0	25.50	24.73	0.176	0.210		32.2
AG.0	Ant.A+B	Head	QPSK	15	3	0	Right Tilt	26865	831.5	36	0	24.50	23.87	0.144	0.166		32.2
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	15	1	5	Rear	26865	831.5	1	0	23.00	22.78	0.630	0.663		24.7
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	15	1	5	Rear	26865	831.5	36	0	23.00	22.34	0.668	0.778	19	24.0
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	15	1	5	Front	26865	831.5	1	0	23.00	22.78	0.166	0.175		30.5
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	15	1	5	Front	26865	831.5	36	0	23.00	22.34	0.168	0.196		30.0
AG.0	Ant.A+B	Hotspot	QPSK	15	1	10	Bottom	26865	831.5	1	0	23.00	22.78	0.141	0.148		31.2
AG.0	Ant.A+B	Hotspot	QPSK	15	1	10	Bottom	26865	831.5	36	0	23.00	22.34	0.152	0.177		30.5
AG.0	Ant.A+B	Hotspot	QPSK	15	1	10	Right	26865	831.5	1	0	23.00	22.78	0.265	0.279		28.5
AG.0	Ant.A+B	Hotspot	QPSK	15	1	10	Right	26865	831.5	36	0	23.00	22.34	0.283	0.329		27.8
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	QPSK	15	3	0	Left Touch	26865	831.5	1	37	25.00	24.14	0.385	0.469	20	28.2
AG.1	Ant.D	Head	QPSK	15	3	0	Left Touch	26865	831.5	36	0	24.00	23.06	0.337	0.418		27.7
AG.1	Ant.D	Head	QPSK	15	3	0	Left Tilt	26865	831.5	1	37	25.00	24.14	0.337	0.411		28.8
AG.1	Ant.D	Head	QPSK	15	3	0	Left Tilt	26865	831.5	36	0	24.00	23.06	0.302	0.375		28.2
AG.1	Ant.D	Head	QPSK	15	3	0	Right Touch	26865	831.5	1	37	25.00	24.14	0.291	0.355		29.5
AG.1	Ant.D	Head	QPSK	15	3	0	Right Touch	26865	831.5	36	0	24.00	23.06	0.187	0.232		30.3
AG.1	Ant.D	Head	QPSK	15	3	0	Right Tilt	26865	831.5	1	37	25.00	24.14	0.221	0.269		30.6
AG.1	Ant.D	Head	QPSK	15	3	0	Right Tilt	26865	831.5	36	0	24.00	23.06	0.187	0.232		30.3
AG.1	Ant.D	Body-worn & Hotspot	QPSK	15	1	5	Rear	26865	831.5	1	0	22.00	20.65	0.460	0.628		24.0
AG.1	Ant.D	Body-worn & Hotspot	QPSK	15	1	5	Rear	26865	831.5	36	20	22.00	20.44	0.473	0.677		23.6
AG.1	Ant.D	Body-worn & Hotspot	QPSK	15	1	5	Front	26865	831.5	1	0	22.00	20.65	0.084	0.114		31.4
AG.1	Ant.D	Body-worn & Hotspot	QPSK	15	1	5	Front	26865	831.5	36	20	22.00	20.44	0.086	0.123		31.0
AG.1	Ant.D	Hotspot	QPSK	15	1	10	Top	26865	831.5	1	0	22.00	20.65	0.134	0.183		29.3
AG.1	Ant.D	Hotspot	QPSK	15	1	10	Top	26865	831.5	36	20	22.00	20.44	0.139	0.199		29.0
AG.1	Ant.D	Hotspot	QPSK	15	1	10	Right	26865	831.5	1	0	22.00	20.65	0.303	0.413		25.8
AG.1	Ant.D	Hotspot	QPSK	15	1	10	Right	26865	831.5	36	20	22.00	20.44	0.293	0.420		25.7

10.1.11. LTE Band 5 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A	Head	QPSK	10	3	0	Left Touch	20525	836.5	1	0	25.50	24.52	0.147	0.184		32.8
AG.0	Ant.A	Head	QPSK	10	3	0	Left Touch	20525	836.5	25	0	24.50	23.79	0.125	0.147		32.8
AG.0	Ant.A	Head	QPSK	10	3	0	Left Tilt	20525	836.5	1	0	25.50	24.52	0.111	0.139		34.0
AG.0	Ant.A	Head	QPSK	10	3	0	Left Tilt	20525	836.5	25	0	24.50	23.79	0.093	0.110		34.1
AG.0	Ant.A	Head	QPSK	10	3	0	Right Touch	20525	836.5	1	0	25.50	24.52	0.243	0.305		30.6
AG.0	Ant.A	Head	QPSK	10	3	0	Right Touch	20525	836.5	25	0	24.50	23.79	0.187	0.220		31.0
AG.0	Ant.A	Head	QPSK	10	3	0	Right Tilt	20525	836.5	1	0	25.50	24.52	0.110	0.138		34.1
AG.0	Ant.A	Head	QPSK	10	3	0	Right Tilt	20525	836.5	25	0	24.50	23.79	0.135	0.159		32.4
AG.0	Ant.A	Body-worn & Hotspot	QPSK	10	1	5	Rear	20525	836.5	1	0	23.00	22.35	0.631	0.733		24.3
AG.0	Ant.A	Body-worn & Hotspot	QPSK	10	1	5	Rear	20525	836.5	25	0	23.00	22.22	0.640	0.766		24.1
AG.0	Ant.A	Body-worn & Hotspot	QPSK	10	1	5	Front	20525	836.5	1	0	23.00	22.35	0.162	0.188		30.2
AG.0	Ant.A	Body-worn & Hotspot	QPSK	10	1	5	Front	20525	836.5	25	0	23.00	22.22	0.169	0.202		29.9
AG.0	Ant.A	Hotspot	QPSK	10	1	10	Bottom	20525	836.5	1	0	23.00	22.35	0.128	0.149		31.2
AG.0	Ant.A	Hotspot	QPSK	10	1	10	Bottom	20525	836.5	25	0	23.00	22.22	0.129	0.154		31.1
AG.0	Ant.A	Hotspot	QPSK	10	1	10	Right	20525	836.5	1	0	23.00	22.35	0.204	0.237		29.2
AG.0	Ant.A	Hotspot	QPSK	10	1	10	Right	20525	836.5	25	0	23.00	22.22	0.222	0.266		28.7
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	QPSK	10	3	0	Left Touch	20525	836.5	1	0	25.50	24.52	0.218	0.273		31.1
AG.0	Ant.A+B	Head	QPSK	10	3	0	Left Touch	20525	836.5	25	0	24.50	23.79	0.168	0.198		31.5
AG.0	Ant.A+B	Head	QPSK	10	3	0	Left Tilt	20525	836.5	1	0	25.50	24.52	0.168	0.211		32.2
AG.0	Ant.A+B	Head	QPSK	10	3	0	Left Tilt	20525	836.5	25	0	24.50	23.79	0.135	0.159		32.4
AG.0	Ant.A+B	Head	QPSK	10	3	0	Right Touch	20525	836.5	1	0	25.50	24.52	0.245	0.307		30.6
AG.0	Ant.A+B	Head	QPSK	10	3	0	Right Touch	20525	836.5	25	0	24.50	23.79	0.197	0.232		30.8
AG.0	Ant.A+B	Head	QPSK	10	3	0	Right Tilt	20525	836.5	1	0	25.50	24.52	0.155	0.194		32.6
AG.0	Ant.A+B	Head	QPSK	10	3	0	Right Tilt	20525	836.5	25	0	24.50	23.79	0.127	0.150		32.7
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	1	5	Rear	20525	836.5	1	0	23.00	22.35	0.680	0.790		24.0
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	1	5	Rear	20525	836.5	25	0	23.00	22.22	0.685	0.820	21	23.8
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	1	5	Front	20525	836.5	1	0	23.00	22.35	0.174	0.202		29.9
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	1	5	Front	20525	836.5	25	0	23.00	22.22	0.176	0.211		29.7
AG.0	Ant.A+B	Hotspot	QPSK	10	1	10	Bottom	20525	836.5	1	0	23.00	22.35	0.160	0.186		30.3
AG.0	Ant.A+B	Hotspot	QPSK	10	1	10	Bottom	20525	836.5	25	0	23.00	22.22	0.165	0.197		30.0
AG.0	Ant.A+B	Hotspot	QPSK	10	1	10	Right	20525	836.5	1	0	23.00	22.35	0.289	0.336		27.7
AG.0	Ant.A+B	Hotspot	QPSK	10	1	10	Right	20525	836.5	25	0	23.00	22.22	0.305	0.365		27.3
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	QPSK	10	3	0	Left Touch	20525	836.5	1	0	25.00	24.28	0.341	0.402	22	28.9
AG.1	Ant.D	Head	QPSK	10	3	0	Left Touch	20525	836.5	25	25	24.00	23.31	0.322	0.377		28.2
AG.1	Ant.D	Head	QPSK	10	3	0	Left Tilt	20525	836.5	1	0	25.00	24.28	0.302	0.356		29.4
AG.1	Ant.D	Head	QPSK	10	3	0	Left Tilt	20525	836.5	25	25	24.00	23.31	0.305	0.358		28.4
AG.1	Ant.D	Head	QPSK	10	3	0	Right Touch	20525	836.5	1	0	25.00	24.28	0.215	0.254		30.9
AG.1	Ant.D	Head	QPSK	10	3	0	Right Touch	20525	836.5	25	25	24.00	23.31	0.195	0.229		30.4
AG.1	Ant.D	Head	QPSK	10	3	0	Right Tilt	20525	836.5	1	0	25.00	24.28	0.194	0.229		31.4
AG.1	Ant.D	Head	QPSK	10	3	0	Right Tilt	20525	836.5	25	25	24.00	23.31	0.162	0.190		31.2
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Rear	20525	836.5	1	0	22.00	20.60	0.482	0.665		23.7
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Rear	20525	836.5	25	25	22.00	20.62	0.454	0.624		24.0
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Front	20525	836.5	1	0	22.00	20.60	0.085	0.117		31.3
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	1	5	Front	20525	836.5	25	25	22.00	20.62	0.083	0.114		31.4
AG.1	Ant.D	Hotspot	QPSK	10	1	10	Top	20525	836.5	1	0	22.00	20.60	0.137	0.189		29.2
AG.1	Ant.D	Hotspot	QPSK	10	1	10	Top	20525	836.5	25	25	22.00	20.62	0.138	0.190		29.2
AG.1	Ant.D	Hotspot	QPSK	10	1	10	Right	20525	836.5	1	0	22.00	20.60	0.294	0.406		25.9
AG.1	Ant.D	Hotspot	QPSK	10	1	10	Right	20525	836.5	25	25	22.00	20.62	0.288	0.396		26.0

10.1.12. LTE Band 66 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.B	Head	QPSK	20	3	0	Left Touch	132322	1745.0	1	0	25.00	24.45	0.182	0.207		31.8
AG.0	Ant.B	Head	QPSK	20	3	0	Left Touch	132322	1745.0	50	0	24.00	23.56	0.142	0.157		32.0
AG.0	Ant.B	Head	QPSK	20	3	0	Left Tilt	132322	1745.0	1	0	25.00	24.45	0.063	0.072		36.4
AG.0	Ant.B	Head	QPSK	20	3	0	Left Tilt	132322	1745.0	50	0	24.00	23.56	0.050	0.055		36.5
AG.0	Ant.B	Head	QPSK	20	3	0	Right Touch	132322	1745.0	1	0	25.00	24.45	0.231	0.262		<u>30.8</u>
AG.0	Ant.B	Head	QPSK	20	3	0	Right Touch	132322	1745.0	50	0	24.00	23.56	0.181	0.200		30.9
AG.0	Ant.B	Head	QPSK	20	3	0	Right Tilt	132322	1745.0	1	0	25.00	24.45	0.081	0.092		35.3
AG.0	Ant.B	Head	QPSK	20	3	0	Right Tilt	132322	1745.0	50	0	24.00	23.56	0.065	0.072		35.4
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Rear	132322	1745.0	1	0	17.00	16.64	0.561	0.609		19.1
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Rear	132322	1745.0	50	0	17.00	16.57	0.560	0.618		<u>19.0</u>
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Front	132322	1745.0	1	0	17.00	16.64	0.184	0.200		23.9
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Front	132322	1745.0	50	0	17.00	16.57	0.186	0.205		23.8
AG.0	Ant.B	Hotspot	QPSK	20	1	10	Bottom	132322	1745.0	1	0	17.00	16.64	0.276	0.300		22.2
AG.0	Ant.B	Hotspot	QPSK	20	1	10	Bottom	132322	1745.0	50	0	17.00	16.57	0.281	0.310		22.0
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	QPSK	20	3	0	Left Touch	132322	1745.0	1	0	21.00	20.05	0.605	0.753		22.2
AG.1	Ant.F	Head	QPSK	20	3	0	Left Touch	132322	1745.0	50	0	21.00	20.10	0.591	0.727		22.3
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	132072	1720.0	1	0	21.00	19.98	0.819	1.036	23	<u>20.8</u>
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	132072	1720.0	50	0	21.00	20.06	0.828	1.028		<u>20.8</u>
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	132072	1720.0	100	0	21.00	20.09	0.814	1.004		20.9
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	132322	1745.0	1	0	21.00	20.05	0.716	0.891		21.5
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	132322	1745.0	50	0	21.00	20.10	0.733	0.902		21.4
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	132572	1770.0	1	0	21.00	19.98	0.658	0.832		21.7
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	132572	1770.0	50	0	21.00	20.02	0.638	0.800		21.9
AG.1	Ant.F	Head	QPSK	20	3	0	Right Touch	132322	1745.0	1	0	21.00	20.05	0.510	0.635		22.9
AG.1	Ant.F	Head	QPSK	20	3	0	Right Touch	132322	1745.0	50	0	21.00	20.10	0.449	0.552		23.5
AG.1	Ant.F	Head	QPSK	20	3	0	Right Tilt	132322	1745.0	1	0	21.00	20.05	0.616	0.767		22.1
AG.1	Ant.F	Head	QPSK	20	3	0	Right Tilt	132322	1745.0	50	0	21.00	20.10	0.614	0.755		22.2
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Rear	132072	1720.0	1	99	16.50	15.62	0.596	0.730		<u>17.8</u>
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Rear	132072	1720.0	50	50	16.50	15.58	0.591	0.730	24	<u>17.8</u>
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Front	132072	1720.0	1	99	16.50	15.62	0.198	0.242		22.6
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Front	132072	1720.0	50	50	16.50	15.58	0.204	0.252		22.4
AG.1	Ant.F	Hotspot	QPSK	20	1	10	Top	132072	1720.0	1	99	16.50	15.62	0.292	0.358		20.9
AG.1	Ant.F	Hotspot	QPSK	20	1	10	Top	132072	1720.0	50	50	16.50	15.58	0.290	0.358		20.9

10.1.13. LTE Band 25 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.B	Head	QPSK	20	3	0	Left Touch	26365	1882.5	1	0	25.00	24.75	0.186	0.197		32.0
AG.0	Ant.B	Head	QPSK	20	3	0	Left Touch	26365	1882.5	50	0	24.00	23.69	0.140	0.150		32.2
AG.0	Ant.B	Head	QPSK	20	3	0	Left Tilt	26365	1882.5	1	0	25.00	24.75	0.054	0.057		37.4
AG.0	Ant.B	Head	QPSK	20	3	0	Left Tilt	26365	1882.5	50	0	24.00	23.69	0.032	0.034		38.6
AG.0	Ant.B	Head	QPSK	20	3	0	Right Touch	26365	1882.5	1	0	25.00	24.75	0.351	0.372		29.2
AG.0	Ant.B	Head	QPSK	20	3	0	Right Touch	26365	1882.5	50	0	24.00	23.69	0.256	0.275		29.6
AG.0	Ant.B	Head	QPSK	20	3	0	Right Tilt	26365	1882.5	1	0	25.00	24.75	0.050	0.053		37.7
AG.0	Ant.B	Head	QPSK	20	3	0	Right Tilt	26365	1882.5	50	0	24.00	23.69	0.036	0.039		38.1
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Rear	26365	1882.5	1	0	18.00	17.53	0.571	0.636	25	19.9
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Rear	26365	1882.5	50	0	18.00	17.67	0.555	0.599		20.2
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Front	26365	1882.5	1	0	18.00	17.53	0.354	0.394		22.0
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Front	26365	1882.5	50	0	18.00	17.67	0.347	0.374		22.2
AG.0	Ant.B	Hotspot	QPSK	20	1	10	Bottom	26365	1882.5	1	0	18.00	17.53	0.401	0.447		21.4
AG.0	Ant.B	Hotspot	QPSK	20	1	10	Bottom	26365	1882.5	50	0	18.00	17.67	0.394	0.425		21.7
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	QPSK	20	3	0	Left Touch	26590	1905.0	1	0	22.00	21.31	0.379	0.444		25.5
AG.1	Ant.F	Head	QPSK	20	3	0	Left Touch	26590	1905.0	50	0	22.00	21.34	0.385	0.448		25.4
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	26590	1905.0	1	0	22.00	21.31	0.526	0.617	26	24.1
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	26590	1905.0	50	0	22.00	21.34	0.516	0.601		24.2
AG.1	Ant.F	Head	QPSK	20	3	0	Right Touch	26590	1905.0	1	0	22.00	21.31	0.369	0.433		25.6
AG.1	Ant.F	Head	QPSK	20	3	0	Right Touch	26590	1905.0	50	0	22.00	21.34	0.337	0.392		26.0
AG.1	Ant.F	Head	QPSK	20	3	0	Right Tilt	26590	1905.0	1	0	22.00	21.31	0.448	0.525		24.7
AG.1	Ant.F	Head	QPSK	20	3	0	Right Tilt	26590	1905.0	50	0	22.00	21.34	0.423	0.492		25.0
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Rear	26590	1905.0	1	0	17.50	16.70	0.464	0.558		20.0
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Rear	26590	1905.0	50	0	17.50	16.71	0.456	0.547		20.1
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Front	26590	1905.0	1	0	17.50	16.70	0.105	0.126		26.4
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Front	26590	1905.0	50	0	17.50	16.71	0.102	0.122		26.6
AG.1	Ant.F	Hotspot	QPSK	20	1	10	Top	26590	1905.0	1	0	17.50	16.70	0.196	0.236		23.7
AG.1	Ant.F	Hotspot	QPSK	20	1	10	Top	26590	1905.0	50	0	17.50	16.71	0.193	0.232		23.8

10.1.14. LTE Band 30 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.B	Head	QPSK	10	3	0	Left Touch	27710	2310.0	1	0	24.50	23.82	0.072	0.084		35.2
AG.0	Ant.B	Head	QPSK	10	3	0	Left Touch	27710	2310.0	25	25	23.50	23.16	0.063	0.068		35.1
AG.0	Ant.B	Head	QPSK	10	3	0	Left Tilt	27710	2310.0	1	0	24.50	23.82	0.076	0.089		35.0
AG.0	Ant.B	Head	QPSK	10	3	0	Left Tilt	27710	2310.0	25	25	23.50	23.16	0.076	0.082		34.3
AG.0	Ant.B	Head	QPSK	10	3	0	Right Touch	27710	2310.0	1	0	24.50	23.82	0.117	0.137		33.1
AG.0	Ant.B	Head	QPSK	10	3	0	Right Touch	27710	2310.0	25	25	23.50	23.16	0.106	0.115		32.9
AG.0	Ant.B	Head	QPSK	10	3	0	Right Tilt	27710	2310.0	1	0	24.50	23.82	0.033	0.039		38.6
AG.0	Ant.B	Head	QPSK	10	3	0	Right Tilt	27710	2310.0	25	25	23.50	23.16	0.034	0.037		37.8
AG.0	Ant.B	Body-worn & Hotspot	QPSK	10	1	5	Rear	27710	2310.0	1	0	17.50	16.83	0.723	0.844	27	18.2
AG.0	Ant.B	Body-worn & Hotspot	QPSK	10	1	5	Rear	27710	2310.0	25	25	17.50	16.87	0.709	0.820		18.3
AG.0	Ant.B	Body-worn & Hotspot	QPSK	10	1	5	Rear	27710	2310.0	50	0	17.50	16.86	0.725	0.840		18.2
AG.0	Ant.B	Body-worn & Hotspot	QPSK	10	1	5	Front	27710	2310.0	1	0	17.50	16.83	0.123	0.144		25.9
AG.0	Ant.B	Body-worn & Hotspot	QPSK	10	1	5	Front	27710	2310.0	25	25	17.50	16.87	0.120	0.139		26.0
AG.0	Ant.B	Hotspot	QPSK	10	1	10	Bottom	27710	2310.0	1	0	17.50	16.83	0.336	0.392		21.5
AG.0	Ant.B	Hotspot	QPSK	10	1	10	Bottom	27710	2310.0	25	25	17.50	16.87	0.332	0.384		21.6
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	QPSK	10	3	0	Left Touch	27710	2310.0	1	0	19.00	18.44	0.674	0.767		20.1
AG.1	Ant.F	Head	QPSK	10	3	0	Left Touch	27710	2310.0	25	25	19.00	18.31	0.680	0.797		19.9
AG.1	Ant.F	Head	QPSK	10	3	0	Left Tilt	27710	2310.0	1	0	19.00	18.44	0.807	0.918		19.3
AG.1	Ant.F	Head	QPSK	10	3	0	Left Tilt	27710	2310.0	25	25	19.00	18.31	0.828	0.971		19.1
AG.1	Ant.F	Head	QPSK	10	3	0	Left Tilt	27710	2310.0	50	0	19.00	18.30	0.846	0.994	28	19.0
AG.1	Ant.F	Head	QPSK	10	3	0	Right Touch	27710	2310.0	1	0	19.00	18.44	0.646	0.735		20.3
AG.1	Ant.F	Head	QPSK	10	3	0	Right Touch	27710	2310.0	25	25	19.00	18.31	0.647	0.758		20.2
AG.1	Ant.F	Head	QPSK	10	3	0	Right Tilt	27710	2310.0	1	0	19.00	18.44	0.737	0.838		19.7
AG.1	Ant.F	Head	QPSK	10	3	0	Right Tilt	27710	2310.0	25	25	19.00	18.31	0.747	0.876		19.5
AG.1	Ant.F	Head	QPSK	10	3	0	Right Tilt	27710	2310.0	50	0	19.00	18.30	0.758	0.891		19.5
AG.1	Ant.F	Body-worn & Hotspot	QPSK	10	1	5	Rear	27710	2310.0	1	0	17.50	16.69	0.529	0.637		19.4
AG.1	Ant.F	Body-worn & Hotspot	QPSK	10	1	5	Rear	27710	2310.0	25	25	17.50	16.76	0.532	0.631		19.5
AG.1	Ant.F	Body-worn & Hotspot	QPSK	10	1	5	Front	27710	2310.0	1	0	17.50	16.69	0.215	0.259		23.3
AG.1	Ant.F	Body-worn & Hotspot	QPSK	10	1	5	Front	27710	2310.0	25	25	17.50	16.76	0.216	0.256		23.4
AG.1	Ant.F	Hotspot	QPSK	10	1	10	Top	27710	2310.0	1	0	17.50	16.69	0.303	0.365		21.8
AG.1	Ant.F	Hotspot	QPSK	10	1	10	Top	27710	2310.0	25	25	17.50	16.76	0.302	0.358		21.9

10.1.15. LTE Band 7 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.B	Head	QPSK	20	3	0	Left Touch	20850	2510.0	1	99	25.00	24.83	0.144	0.150		33.2
AG.0	Ant.B	Head	QPSK	20	3	0	Left Touch	20850	2510.0	50	50	24.00	23.82	0.112	0.117		33.3
AG.0	Ant.B	Head	QPSK	20	3	0	Left Tilt	20850	2510.0	1	99	25.00	24.83	0.078	0.081		35.9
AG.0	Ant.B	Head	QPSK	20	3	0	Left Tilt	20850	2510.0	50	50	24.00	23.82	0.059	0.061		36.1
AG.0	Ant.B	Head	QPSK	20	3	0	Right Touch	20850	2510.0	1	99	25.00	24.83	0.132	0.137		33.6
AG.0	Ant.B	Head	QPSK	20	3	0	Right Touch	20850	2510.0	50	50	24.00	23.82	0.110	0.115		33.4
AG.0	Ant.B	Head	QPSK	20	3	0	Right Tilt	20850	2510.0	1	99	25.00	24.83	0.081	0.084		35.7
AG.0	Ant.B	Head	QPSK	20	3	0	Right Tilt	20850	2510.0	50	50	24.00	23.82	0.065	0.068		35.6
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Rear	20850	2510.0	1	99	17.00	16.53	0.726	0.809		17.9
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Rear	20850	2510.0	50	50	17.00	16.58	0.735	0.810		17.9
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Rear	20850	2510.0	100	0	17.00	16.58	0.690	0.760		18.1
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Rear	21100	2535.0	1	99	17.00	16.32	0.716	0.837		17.7
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Rear	21100	2535.0	50	50	17.00	16.37	0.744	0.860		17.6
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Rear	21350	2560.0	1	99	17.00	16.15	0.710	0.863	29	17.6
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Rear	21350	2560.0	50	50	17.00	16.27	0.721	0.853		17.6
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Front	20850	2510.0	1	99	17.00	16.53	0.111	0.124		26.0
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Front	20850	2510.0	50	50	17.00	16.58	0.113	0.124		26.0
AG.0	Ant.B	Hotspot	QPSK	20	1	10	Bottom	20850	2510.0	1	99	17.00	16.53	0.263	0.293		22.3
AG.0	Ant.B	Hotspot	QPSK	20	1	10	Bottom	20850	2510.0	50	50	17.00	16.58	0.266	0.293		22.3
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	QPSK	20	3	0	Left Touch	20850	2510.0	1	0	18.00	16.87	0.527	0.684		19.6
AG.1	Ant.F	Head	QPSK	20	3	0	Left Touch	20850	2510.0	50	0	18.00	16.85	0.533	0.695		19.5
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	20850	2510.0	1	0	18.00	16.87	0.621	0.806		18.9
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	20850	2510.0	50	0	18.00	16.85	0.620	0.808		18.9
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	20850	2510.0	100	0	18.00	16.84	0.636	0.831		18.8
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	21100	2535.0	1	0	18.00	16.83	0.675	0.884		18.5
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	21100	2535.0	50	0	18.00	16.82	0.703	0.922		18.3
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	21350	2560.0	1	0	18.00	16.62	0.724	0.995	30	18.0
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	21350	2560.0	50	0	18.00	16.65	0.720	0.982		18.0
AG.1	Ant.F	Head	QPSK	20	3	0	Right Touch	20850	2510.0	1	0	18.00	16.87	0.461	0.598		20.2
AG.1	Ant.F	Head	QPSK	20	3	0	Right Touch	20850	2510.0	50	0	18.00	16.85	0.464	0.605		20.1
AG.1	Ant.F	Head	QPSK	20	3	0	Right Tilt	20850	2510.0	1	0	18.00	16.87	0.534	0.693		19.5
AG.1	Ant.F	Head	QPSK	20	3	0	Right Tilt	20850	2510.0	50	0	18.00	16.85	0.537	0.700		19.5
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Rear	20850	2510.0	1	0	17.00	15.88	0.550	0.712		18.4
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Rear	20850	2510.0	50	0	17.00	15.90	0.517	0.666		18.7
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Front	20850	2510.0	1	0	17.00	15.88	0.272	0.352		21.5
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Front	20850	2510.0	50	0	17.00	15.90	0.281	0.362		21.4
AG.1	Ant.F	Hotspot	QPSK	20	1	10	Top	20850	2510.0	1	0	17.00	15.88	0.315	0.408		20.8
AG.1	Ant.F	Hotspot	QPSK	20	1	10	Top	20850	2510.0	50	0	17.00	15.90	0.315	0.406		20.9

10.1.16. LTE Band 41 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.B	Head	QPSK	20	3	0	Left Touch	41055	2636.5	1	0	25.00	24.23	0.047	0.056		35.5
AG.0	Ant.B	Head	QPSK	20	3	0	Left Touch	41055	2636.5	50	0	24.00	23.28	0.033	0.039		36.1
AG.0	Ant.B	Head	QPSK	20	3	0	Left Tilt	41055	2636.5	1	0	25.00	24.23	0.046	0.055		35.6
AG.0	Ant.B	Head	QPSK	20	3	0	Left Tilt	41055	2636.5	50	0	24.00	23.28	0.047	0.055		34.5
AG.0	Ant.B	Head	QPSK	20	3	0	Right Touch	41055	2636.5	1	0	25.00	24.23	0.050	0.060		35.2
AG.0	Ant.B	Head	QPSK	20	3	0	Right Touch	41055	2636.5	50	0	24.00	23.28	0.038	0.045		35.4
AG.0	Ant.B	Head	QPSK	20	3	0	Right Tilt	41055	2636.5	1	0	25.00	24.23	0.032	0.038		37.1
AG.0	Ant.B	Head	QPSK	20	3	0	Right Tilt	41055	2636.5	50	0	24.00	23.28	0.024	0.028		37.4
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Rear	41055	2636.5	1	0	19.00	18.28	0.255	0.301		22.2
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Rear	41055	2636.5	50	0	19.00	18.25	0.249	0.296		22.3
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Front	41055	2636.5	1	0	19.00	18.28	0.058	0.068		28.6
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	1	5	Front	41055	2636.5	50	0	19.00	18.25	0.057	0.068		28.7
AG.0	Ant.B	Hotspot	QPSK	20	1	10	Bottom	41055	2636.5	1	0	19.00	18.28	0.156	0.184		24.3
AG.0	Ant.B	Hotspot	QPSK	20	1	10	Bottom	41055	2636.5	50	0	19.00	18.25	0.151	0.179		24.4
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	QPSK	20	3	0	Left Touch	40185	2549.5	1	0	18.50	17.53	0.435	0.544		19.1
AG.1	Ant.F	Head	QPSK	20	3	0	Left Touch	40185	2549.5	50	0	18.50	17.55	0.450	0.560		19.0
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	39750	2506.0	1	0	18.50	17.52	0.430	0.539		19.1
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	39750	2506.0	50	0	18.50	17.53	0.475	0.594		18.7
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	40185	2549.5	1	0	18.50	17.53	0.739	0.924		16.8
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	40185	2549.5	50	0	18.50	17.55	0.740	0.921		16.8
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	40185	2549.5	100	0	18.50	17.53	0.749	0.936	31	16.7
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	40620	2593.0	1	0	18.50	17.25	0.691	0.921		16.8
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	40620	2593.0	50	0	18.50	17.26	0.660	0.878		17.0
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	41055	2636.5	1	0	18.50	17.28	0.416	0.551		19.1
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	41055	2636.5	50	0	18.50	17.36	0.403	0.524		19.3
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	41490	2680.0	1	0	18.50	17.43	0.326	0.417		20.3
AG.1	Ant.F	Head	QPSK	20	3	0	Left Tilt	41490	2680.0	50	0	18.50	17.50	0.318	0.400		20.4
AG.1	Ant.F	Head	QPSK	20	3	0	Right Touch	40185	2549.5	1	0	18.50	17.53	0.404	0.505		19.4
AG.1	Ant.F	Head	QPSK	20	3	0	Right Touch	40185	2549.5	50	0	18.50	17.55	0.404	0.503		19.5
AG.1	Ant.F	Head	QPSK	20	3	0	Right Tilt	40185	2549.5	1	0	18.50	17.53	0.436	0.545		19.1
AG.1	Ant.F	Head	QPSK	20	3	0	Right Tilt	40185	2549.5	50	0	18.50	17.55	0.435	0.541		19.1
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Rear	39750	2506.0	1	0	19.00	17.84	0.742	0.969	32	17.1
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Rear	39750	2506.0	50	0	19.00	17.91	0.640	0.823		17.8
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Rear	40185	2549.5	1	0	19.00	17.93	0.620	0.793		18.0
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Rear	40185	2549.5	50	0	19.00	17.92	0.601	0.771		18.1
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Rear	40620	2593.0	1	0	19.00	17.82	0.503	0.660		18.8
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Rear	40620	2593.0	50	0	19.00	17.76	0.484	0.644		18.9
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Rear	41055	2636.5	1	0	19.00	17.85	0.497	0.648		18.9
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Rear	41055	2636.5	50	0	19.00	17.87	0.487	0.632		19.0
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Rear	41490	2680.0	1	0	19.00	17.90	0.471	0.607		19.1
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Rear	41490	2680.0	50	0	19.00	17.89	0.449	0.580		19.3
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Front	40185	2549.5	1	0	19.00	17.93	0.212	0.271		22.6
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	1	5	Front	40185	2549.5	50	0	19.00	17.92	0.214	0.274		22.6
AG.1	Ant.F	Hotspot	QPSK	20	1	10	Top	40185	2549.5	1	0	19.00	17.93	0.280	0.358		21.4
AG.1	Ant.F	Hotspot	QPSK	20	1	10	Top	40185	2549.5	50	0	19.00	17.92	0.270	0.346		21.6

10.1.17. LTE Band 48 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.1	Ant.E	Head	QPSK	20	3	0	Left Touch	56207	3646.7	1	99	21.00	20.67	0.136	0.147		27.3
AG.1	Ant.E	Head	QPSK	20	3	0	Left Touch	56207	3646.7	50	0	21.00	20.70	0.183	0.196		26.0
AG.1	Ant.E	Head	QPSK	20	3	0	Left Tilt	56207	3646.7	1	99	21.00	20.67	0.145	0.156		27.0
AG.1	Ant.E	Head	QPSK	20	3	0	Left Tilt	56207	3646.7	50	0	21.00	20.70	0.147	0.158		27.0
AG.1	Ant.E	Head	QPSK	20	3	0	Right Touch	56207	3646.7	1	99	21.00	20.67	0.173	0.187		26.3
AG.1	Ant.E	Head	QPSK	20	3	0	Right Touch	56207	3646.7	50	0	21.00	20.70	0.171	0.183		26.3
AG.1	Ant.E	Head	QPSK	20	3	0	Right Tilt	56207	3646.7	1	99	21.00	20.67	0.223	0.241		25.2
AG.1	Ant.E	Head	QPSK	20	3	0	Right Tilt	56207	3646.7	50	0	21.00	20.70	0.234	0.251	33	25.0
AG.1	Ant.E	Head ULCA	QPSK	20	3	0	Right Tilt	56207	3646.7	1	99	21.00	20.53	0.223	0.248		
				20				56405	3666.5	1	0						
AG.1	Ant.E	Body-worn & Hotspot	QPSK	20	1	5	Rear	56207	3646.7	1	99	20.00	19.88	0.518	0.533		20.7
AG.1	Ant.E	Body-worn & Hotspot	QPSK	20	1	5	Rear	56207	3646.7	50	0	20.00	19.96	0.541	0.546	34	20.6
AG.1	Ant.E	Body-worn & Hotspot	QPSK	20	1	5	Front	56207	3646.7	1	99	20.00	19.88	0.060	0.062		30.1
AG.1	Ant.E	Body-worn & Hotspot	QPSK	20	1	5	Front	56207	3646.7	50	0	20.00	19.96	0.067	0.068		29.7
AG.1	Ant.E	Hotspot	QPSK	20	1	10	Top	56207	3646.7	1	99	20.00	19.88	0.150	0.154		26.1
AG.1	Ant.E	Hotspot	QPSK	20	1	10	Top	56207	3646.7	50	0	20.00	19.96	0.149	0.150		26.2
AG.1	Ant.E	Hotspot	QPSK	20	1	10	Left	56207	3646.7	1	99	20.00	19.88	0.035	0.036		32.4
AG.1	Ant.E	Hotspot	QPSK	20	1	10	Left	56207	3646.7	50	0	20.00	19.96	0.035	0.035		32.5
AG.1	Ant.E	Body-worn & Hotspot ULCA	QPSK	20	1	5	Rear	56207	3646.7	50	0	20.00	19.76	0.360	0.380		
				20				56009	3626.9	50	50						

10.1.18. NTN Band 255

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (kHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tone	Offset	Tested Duty Cycle (%)	Worst-case Duty Cycle (%)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Limit
AG.1	Ant.F	Body-worn	QPSK	200	1	5	Rear	261505	1626.6	3	0	100.0%	70.76%	20.50	19.72	1.260	1.067			35	17.2
AG.1	Ant.F	Body-worn	QPSK	200	1	5	Rear	261674	1643.5	3	0	100.0%	70.76%	20.50	19.83	1.100	0.908				17.9
AG.1	Ant.F	Body-worn	QPSK	200	1	5	Rear	261843	1660.4	3	0	100.0%	70.76%	20.50	19.82	1.130	0.935				17.7
AG.1	Ant.F	Body-worn	QPSK	200	1	5	Front	261674	1643.5	3	0	100.0%	70.76%	20.50	19.83	0.288	0.238				23.7
AG.1	Ant.F	Product Specific 10-g 0 mm	QPSK	200	1	0	Top	261674	1643.5	3	0	100.0%	70.76%	20.50	19.83			1.450	1.197	36	20.6

10.1.19. NR Band n71 (35MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A	Head	DFT-s OFDM QPSK	35	3	0	Left Touch	136100	680.5	1	93	25.50	24.18	0.033	0.045		38.9
AG.0	Ant.A	Head	DFT-s OFDM QPSK	35	3	0	Left Touch	136100	680.5	90	49	25.50	24.35	0.033	0.043		39.1
AG.0	Ant.A	Head	DFT-s OFDM QPSK	35	3	0	Left Tilt	136100	680.5	1	93	25.50	24.18	0.028	0.038		39.7
AG.0	Ant.A	Head	DFT-s OFDM QPSK	35	3	0	Left Tilt	136100	680.5	90	49	25.50	24.35	0.026	0.034		40.1
AG.0	Ant.A	Head	DFT-s OFDM QPSK	35	3	0	Right Touch	136100	680.5	1	93	25.50	24.18	0.059	0.079		36.5
AG.0	Ant.A	Head	DFT-s OFDM QPSK	35	3	0	Right Touch	136100	680.5	90	49	25.50	24.35	0.056	0.073		36.8
AG.0	Ant.A	Head	DFT-s OFDM QPSK	35	3	0	Right Tilt	136100	680.5	1	93	25.50	24.18	0.031	0.042		39.2
AG.0	Ant.A	Head	DFT-s OFDM QPSK	35	3	0	Right Tilt	136100	680.5	90	49	25.50	24.35	0.030	0.039		39.6
AG.0	Ant.A	Head	CP OFDM QPSK	35	3	0	Right Touch	136100	680.5	1	1	24.00	22.72	0.041	0.055		36.6
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	35	1	5	Rear	136100	680.5	1	93	23.00	22.27	0.346	0.409		26.8
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	35	1	5	Rear	136100	680.5	90	49	23.00	22.47	0.342	0.386		27.1
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	35	1	5	Front	136100	680.5	1	93	23.00	22.27	0.038	0.045		36.4
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	35	1	5	Front	136100	680.5	90	49	23.00	22.47	0.066	0.075		34.2
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	35	1	10	Bottom	136100	680.5	1	93	23.00	22.27	0.058	0.069		34.6
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	35	1	10	Bottom	136100	680.5	90	49	23.00	22.47	0.084	0.095		33.2
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	35	1	10	Right	136100	680.5	1	93	23.00	22.27	0.130	0.154		31.1
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	35	1	10	Right	136100	680.5	90	49	23.00	22.47	0.191	0.216		29.6
AG.0	Ant.A	Body-worn & Hotspot	CP OFDM QPSK	35	1	5	Rear	136100	680.5	1	1	23.00	22.31	0.336	0.394		27.0
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	35	3	0	Left Touch	136100	680.5	1	93	25.50	24.18	0.062	0.084		36.2
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	35	3	0	Left Touch	136100	680.5	90	49	25.50	24.35	0.074	0.096		35.6
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	35	3	0	Left Tilt	136100	680.5	1	93	25.50	24.18	0.036	0.049		38.6
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	35	3	0	Left Tilt	136100	680.5	90	49	25.50	24.35	0.045	0.059		37.8
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	35	3	0	Right Touch	136100	680.5	1	93	25.50	24.18	0.098	0.133		34.2
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	35	3	0	Right Touch	136100	680.5	90	49	25.50	24.35	0.121	0.158		33.5
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	35	3	0	Right Tilt	136100	680.5	1	93	25.50	24.18	0.065	0.088		36.0
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	35	3	0	Right Tilt	136100	680.5	90	49	25.50	24.35	0.064	0.083		36.2
AG.0	Ant.A+B	Head	CP OFDM QPSK	35	3	0	Right Touch	136100	680.5	1	1	24.00	22.72	0.097	0.130		32.8
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	35	1	5	Rear	136100	680.5	1	93	23.00	22.27	0.417	0.493		26.0
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	35	1	5	Rear	136100	680.5	90	49	23.00	22.47	0.411	0.464		26.3
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	35	1	5	Front	136100	680.5	1	93	23.00	22.27	0.173	0.205		29.8
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	35	1	5	Front	136100	680.5	90	49	23.00	22.47	0.196	0.221		29.5
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	35	1	10	Bottom	136100	680.5	1	93	23.00	22.27	0.084	0.099		33.0
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	35	1	10	Bottom	136100	680.5	90	49	23.00	22.47	0.095	0.107		32.6
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	35	1	10	Right	136100	680.5	1	93	23.00	22.27	0.147	0.174		30.5
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	35	1	10	Right	136100	680.5	90	49	23.00	22.47	0.143	0.162		30.9
AG.0	Ant.A+B	Body-worn & Hotspot	CP OFDM QPSK	35	1	5	Rear	136100	680.5	1	1	23.00	22.31	0.327	0.383		27.1
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	DFT-s OFDM QPSK	35	3	0	Left Touch	136100	680.5	1	93	25.50	23.69	0.122	0.185		32.8
AG.1	Ant.D	Head	DFT-s OFDM QPSK	35	3	0	Left Touch	136100	680.5	90	49	25.50	23.82	0.118	0.174		33.1
AG.1	Ant.D	Head	DFT-s OFDM QPSK	35	3	0	Left Tilt	136100	680.5	1	93	25.50	23.69	0.147	0.223	37	32.0
AG.1	Ant.D	Head	DFT-s OFDM QPSK	35	3	0	Left Tilt	136100	680.5	90	49	25.50	23.82	0.121	0.178		32.9
AG.1	Ant.D	Head	DFT-s OFDM QPSK	35	3	0	Right Touch	136100	680.5	1	93	25.50	23.69	0.082	0.124		34.5
AG.1	Ant.D	Head	DFT-s OFDM QPSK	35	3	0	Right Touch	136100	680.5	90	49	25.50	23.82	0.091	0.134		34.2
AG.1	Ant.D	Head	DFT-s OFDM QPSK	35	3	0	Right Tilt	136100	680.5	1	93	25.50	23.69	0.073	0.111		35.0
AG.1	Ant.D	Head	DFT-s OFDM QPSK	35	3	0	Right Tilt	136100	680.5	90	49	25.50	23.82	0.085	0.125		34.5
AG.1	Ant.D	Head	CP OFDM QPSK	35	3	0	Left Tilt	136100	680.5	1	1	24.00	22.21	0.080	0.121		33.1
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	35	1	5	Rear	136100	680.5	1	93	24.00	22.45	0.441	0.630		26.0
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	35	1	5	Rear	136100	680.5	90	49	24.00	22.34	0.438	0.642	38	25.9
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	35	1	5	Front	136100	680.5	1	93	24.00	22.45	0.088	0.125		33.0
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	35	1	5	Front	136100	680.5	90	49	24.00	22.34	0.094	0.137		32.6
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	35	1	10	Top	136100	680.5	1	93	24.00	22.45	0.113	0.161		31.9
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	35	1	10	Top	136100	680.5	90	49	24.00	22.34	0.112	0.164		31.8
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	35	1	10	Right	136100	680.5	1	93	24.00	22.45	0.191	0.273		29.6
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	35	1	10	Right	136100	680.5	90	49	24.00	22.34	0.185	0.271		29.6
AG.1	Ant.D	Body-worn & Hotspot	CP OFDM QPSK	35	1	5	Rear	136100	680.5	1	1	24.00	22.30	0.261	0.386		28.1

10.1.20. NR Band n12 (15MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A	Head	DFT-s OFDM QPSK	15	3	0	Left Touch	141500	707.5	1	1	25.20	24.24	0.034	0.042		38.9
AG.0	Ant.A	Head	DFT-s OFDM QPSK	15	3	0	Left Touch	141500	707.5	36	21	25.20	24.25	0.042	0.052		38.0
AG.0	Ant.A	Head	DFT-s OFDM QPSK	15	3	0	Left Tilt	141500	707.5	1	1	25.20	24.24	0.026	0.033		40.0
AG.0	Ant.A	Head	DFT-s OFDM QPSK	15	3	0	Left Tilt	141500	707.5	36	21	25.20	24.25	0.031	0.038		39.3
AG.0	Ant.A	Head	DFT-s OFDM QPSK	15	3	0	Right Touch	141500	707.5	1	1	25.20	24.24	0.061	0.076		36.4
AG.0	Ant.A	Head	DFT-s OFDM QPSK	15	3	0	Right Touch	141500	707.5	36	21	25.20	24.25	0.071	0.088		35.7
AG.0	Ant.A	Head	DFT-s OFDM QPSK	15	3	0	Right Tilt	141500	707.5	1	1	25.20	24.24	0.035	0.043		38.8
AG.0	Ant.A	Head	DFT-s OFDM QPSK	15	3	0	Right Tilt	141500	707.5	36	21	25.20	24.25	0.038	0.047		38.4
AG.0	Ant.A	Head	CP OFDM QPSK	15	3	0	Right Touch	141500	707.5	1	1	23.70	22.84	0.047	0.057		36.1
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Rear	141500	707.5	1	1	23.00	22.27	0.345	0.408		26.8
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Rear	141500	707.5	36	21	23.00	22.32	0.370	0.433		26.6
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Front	141500	707.5	1	1	23.00	22.27	0.055	0.065		34.8
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Front	141500	707.5	36	21	23.00	22.32	0.059	0.069		34.6
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	15	1	10	Bottom	141500	707.5	1	1	23.00	22.27	0.059	0.070		34.5
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	15	1	10	Bottom	141500	707.5	36	21	23.00	22.32	0.069	0.081		33.9
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	15	1	10	Right	141500	707.5	1	1	23.00	22.27	0.176	0.208		29.8
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	15	1	10	Right	141500	707.5	36	21	23.00	22.32	0.195	0.228		29.4
AG.0	Ant.A	Body-worn & Hotspot	CP OFDM QPSK	15	1	5	Rear	141500	707.5	1	1	23.00	22.32	0.311	0.364		27.3
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	15	3	0	Left Touch	141500	707.5	1	1	25.20	24.24	0.093	0.116		34.5
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	15	3	0	Left Touch	141500	707.5	36	21	25.20	24.25	0.105	0.131		34.0
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	15	3	0	Left Tilt	141500	707.5	1	1	25.20	24.24	0.065	0.081		36.1
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	15	3	0	Left Tilt	141500	707.5	36	21	25.20	24.25	0.076	0.095		35.4
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	15	3	0	Right Touch	141500	707.5	1	1	25.20	24.24	0.110	0.137		33.8
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	15	3	0	Right Touch	141500	707.5	36	21	25.20	24.25	0.178	0.222		31.7
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	15	3	0	Right Tilt	141500	707.5	1	1	25.20	24.24	0.086	0.107		34.8
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	15	3	0	Right Tilt	141500	707.5	36	21	25.20	24.25	0.164	0.204		32.1
AG.0	Ant.A+B	Head	CP OFDM QPSK	15	3	0	Right Touch	141500	707.5	1	1	23.70	22.84	0.148	0.180		31.1
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Rear	141500	707.5	1	1	23.00	22.27	0.407	0.481		26.1
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Rear	141500	707.5	36	21	23.00	22.32	0.414	0.484		26.1
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Front	141500	707.5	1	1	23.00	22.27	0.195	0.231		29.3
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Front	141500	707.5	36	21	23.00	22.32	0.224	0.262		28.8
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	15	1	10	Bottom	141500	707.5	1	1	23.00	22.27	0.115	0.136		31.6
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	15	1	10	Bottom	141500	707.5	36	21	23.00	22.32	0.119	0.139		31.5
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	15	1	10	Right	141500	707.5	1	1	23.00	22.27	0.180	0.213		29.7
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	15	1	10	Right	141500	707.5	36	21	23.00	22.32	0.201	0.235		29.2
AG.0	Ant.A+B	Body-worn & Hotspot	CP OFDM QPSK	15	1	5	Rear	141500	707.5	1	1	23.00	22.32	0.330	0.386		27.1
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	DFT-s OFDM QPSK	15	3	0	Left Touch	141500	707.5	1	77	25.20	23.98	0.145	0.192		32.3
AG.1	Ant.D	Head	DFT-s OFDM QPSK	15	3	0	Left Touch	141500	707.5	36	21	25.20	24.01	0.151	0.199		32.2
AG.1	Ant.D	Head	DFT-s OFDM QPSK	15	3	0	Left Tilt	141500	707.5	1	77	25.20	23.98	0.174	0.230		31.5
AG.1	Ant.D	Head	DFT-s OFDM QPSK	15	3	0	Left Tilt	141500	707.5	36	21	25.20	24.01	0.176	0.231	39	31.5
AG.1	Ant.D	Head	DFT-s OFDM QPSK	15	3	0	Right Touch	141500	707.5	1	77	25.20	23.98	0.085	0.113		34.6
AG.1	Ant.D	Head	DFT-s OFDM QPSK	15	3	0	Right Touch	141500	707.5	36	21	25.20	24.01	0.085	0.112		34.7
AG.1	Ant.D	Head	DFT-s OFDM QPSK	15	3	0	Right Tilt	141500	707.5	1	77	25.20	23.98	0.095	0.126		34.2
AG.1	Ant.D	Head	DFT-s OFDM QPSK	15	3	0	Right Tilt	141500	707.5	36	21	25.20	24.01	0.100	0.132		34.0
AG.1	Ant.D	Head	CP OFDM QPSK	15	3	0	Left Tilt	141500	707.5	1	1	23.70	22.62	0.104	0.133		32.4
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Rear	141500	707.5	1	77	24.00	22.77	0.388	0.515		26.8
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Rear	141500	707.5	36	21	24.00	22.79	0.420	0.555	40	26.5
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Front	141500	707.5	1	77	24.00	22.77	0.079	0.105		33.7
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Front	141500	707.5	36	21	24.00	22.79	0.079	0.105		33.7
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	15	1	10	Top	141500	707.5	1	77	24.00	22.77	0.118	0.157		32.0
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	15	1	10	Top	141500	707.5	36	21	24.00	22.79	0.123	0.163		31.8
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	15	1	10	Right	141500	707.5	1	77	24.00	22.77	0.172	0.228		30.4
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	15	1	10	Right	141500	707.5	36	21	24.00	22.79	0.212	0.280		29.5
AG.1	Ant.D	Body-worn & Hotspot	CP OFDM QPSK	15	1	5	Rear	141500	707.5	1	1	23.70	22.76	0.380	0.472		26.9

10.1.21. NR Band n14 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A	Head	DFT-s OFDM QPSK	10	3	0	Left Touch	158600	793.0	1	1	25.00	24.24	0.111	0.132		33.7
AG.0	Ant.A	Head	DFT-s OFDM QPSK	10	3	0	Left Touch	158600	793.0	25	13	25.00	24.06	0.141	0.175		32.5
AG.0	Ant.A	Head	DFT-s OFDM QPSK	10	3	0	Left Tilt	158600	793.0	1	1	25.00	24.24	0.095	0.113		34.4
AG.0	Ant.A	Head	DFT-s OFDM QPSK	10	3	0	Left Tilt	158600	793.0	25	13	25.00	24.06	0.100	0.124		34.0
AG.0	Ant.A	Head	DFT-s OFDM QPSK	10	3	0	Right Touch	158600	793.0	1	1	25.00	24.24	0.133	0.158		33.0
AG.0	Ant.A	Head	DFT-s OFDM QPSK	10	3	0	Right Touch	158600	793.0	25	13	25.00	24.06	0.167	0.207		31.8
AG.0	Ant.A	Head	DFT-s OFDM QPSK	10	3	0	Right Tilt	158600	793.0	1	1	25.00	24.24	0.118	0.141		33.5
AG.0	Ant.A	Head	DFT-s OFDM QPSK	10	3	0	Right Tilt	158600	793.0	25	13	25.00	24.06	0.133	0.165		32.8
AG.0	Ant.A	Head	CP OFDM QPSK	10	3	0	Right Touch	158600	793.0	1	1	23.50	22.78	0.118	0.139		32.0
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Rear	158600	793.0	1	1	23.00	22.28	0.480	0.567		25.4
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Rear	158600	793.0	25	13	23.00	22.19	0.488	0.588		25.3
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Front	158600	793.0	1	1	23.00	22.28	0.135	0.159		30.9
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Front	158600	793.0	25	13	23.00	22.19	0.137	0.165		30.8
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	10	1	10	Bottom	158600	793.0	1	1	23.00	22.28	0.098	0.116		32.3
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	10	1	10	Bottom	158600	793.0	25	13	23.00	22.19	0.105	0.127		31.9
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	10	1	10	Right	158600	793.0	1	1	23.00	22.28	0.258	0.305		28.1
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	10	1	10	Right	158600	793.0	25	13	23.00	22.19	0.267	0.322		27.9
AG.0	Ant.A	Body-worn & Hotspot	CP OFDM QPSK	10	1	5	Rear	158600	793.0	1	1	23.00	22.25	0.437	0.519		25.8
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	10	3	0	Left Touch	158600	793.0	1	1	25.00	24.24	0.126	0.150		33.2
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	10	3	0	Left Touch	158600	793.0	25	13	25.00	24.06	0.136	0.169		32.7
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	10	3	0	Left Tilt	158600	793.0	1	1	25.00	24.24	0.109	0.130		33.8
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	10	3	0	Left Tilt	158600	793.0	25	13	25.00	24.06	0.108	0.134		33.7
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	10	3	0	Right Touch	158600	793.0	1	1	25.00	24.24	0.196	0.233		31.3
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	10	3	0	Right Touch	158600	793.0	25	13	25.00	24.06	0.197	0.245		31.1
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	10	3	0	Right Tilt	158600	793.0	1	1	25.00	24.24	0.135	0.161		32.9
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	10	3	0	Right Tilt	158600	793.0	25	13	25.00	24.06	0.157	0.195		32.1
AG.0	Ant.A+B	Head	CP OFDM QPSK	10	3	0	Right Touch	158600	793.0	1	1	23.50	22.78	0.189	0.223		30.0
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Rear	158600	793.0	1	1	23.00	22.28	0.526	0.621		25.0
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Rear	158600	793.0	25	13	23.00	22.19	0.540	0.651		24.8
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Front	158600	793.0	1	1	23.00	22.28	0.242	0.286		28.4
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Front	158600	793.0	25	13	23.00	22.19	0.283	0.341		27.6
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	10	1	10	Bottom	158600	793.0	1	1	23.00	22.28	0.116	0.137		31.6
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	10	1	10	Bottom	158600	793.0	25	13	23.00	22.19	0.123	0.148		31.2
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	10	1	10	Right	158600	793.0	1	1	23.00	22.28	0.192	0.227		29.4
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	10	1	10	Right	158600	793.0	25	13	23.00	22.19	0.179	0.216		29.6
AG.0	Ant.A+B	Body-worn & Hotspot	CP OFDM QPSK	10	1	5	Rear	158600	793.0	1	1	23.00	22.25	0.457	0.543		25.6
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	DFT-s OFDM QPSK	10	3	0	Left Touch	158600	793.0	1	1	25.00	23.40	0.256	0.370		29.3
AG.1	Ant.D	Head	DFT-s OFDM QPSK	10	3	0	Left Touch	158600	793.0	25	13	25.00	23.17	0.289	0.440	41	28.5
AG.1	Ant.D	Head	DFT-s OFDM QPSK	10	3	0	Left Tilt	158600	793.0	1	1	25.00	23.40	0.253	0.366		29.3
AG.1	Ant.D	Head	DFT-s OFDM QPSK	10	3	0	Left Tilt	158600	793.0	25	13	25.00	23.17	0.273	0.416		28.8
AG.1	Ant.D	Head	DFT-s OFDM QPSK	10	3	0	Right Touch	158600	793.0	1	1	25.00	23.40	0.164	0.237		31.2
AG.1	Ant.D	Head	DFT-s OFDM QPSK	10	3	0	Right Touch	158600	793.0	25	13	25.00	23.17	0.192	0.293		30.3
AG.1	Ant.D	Head	DFT-s OFDM QPSK	10	3	0	Right Tilt	158600	793.0	1	1	25.00	23.40	0.180	0.260		30.8
AG.1	Ant.D	Head	DFT-s OFDM QPSK	10	3	0	Right Tilt	158600	793.0	25	13	25.00	23.17	0.207	0.315		30.0
AG.1	Ant.D	Head	CP OFDM QPSK	10	3	0	Left Touch	158600	793.0	1	1	23.50	21.95	0.160	0.229		29.9
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Rear	158600	793.0	1	1	24.00	22.26	0.559	0.834		24.7
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Rear	158600	793.0	25	0	24.00	22.23	0.640	0.962	42	24.1
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Rear	158600	793.0	50	0	24.00	22.14	0.588	0.902		24.4
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Front	158600	793.0	1	1	24.00	22.26	0.163	0.243		30.1
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Front	158600	793.0	25	0	24.00	22.23	0.168	0.253		29.9
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	10	1	10	Top	158600	793.0	1	1	24.00	22.26	0.172	0.257		29.9
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	10	1	10	Top	158600	793.0	25	0	24.00	22.23	0.177	0.266		29.7
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	10	1	10	Right	158600	793.0	1	1	24.00	22.26	0.245	0.366		28.3
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	10	1	10	Right	158600	793.0	25	0	24.00	22.23	0.260	0.391		28.0
AG.1	Ant.D	Body-worn & Hotspot	CP OFDM QPSK	10	1	5	Rear	158600	793.0	1	1	23.50	21.99	0.335	0.474		26.7

10.1.22. NR Band n26 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A	Head	DFT-s OFDM QPSK	20	3	0	Left Touch	166300	831.5	1	1	25.50	24.10	0.109	0.150		33.7
AG.0	Ant.A	Head	DFT-s OFDM QPSK	20	3	0	Left Touch	166300	831.5	50	28	25.50	24.14	0.125	0.171		33.1
AG.0	Ant.A	Head	DFT-s OFDM QPSK	20	3	0	Left Tilt	166300	831.5	1	1	25.50	24.10	0.116	0.160		33.4
AG.0	Ant.A	Head	DFT-s OFDM QPSK	20	3	0	Left Tilt	166300	831.5	50	28	25.50	24.14	0.113	0.155		33.6
AG.0	Ant.A	Head	DFT-s OFDM QPSK	20	3	0	Right Touch	166300	831.5	1	1	25.50	24.10	0.186	0.257		31.4
AG.0	Ant.A	Head	DFT-s OFDM QPSK	20	3	0	Right Touch	166300	831.5	50	28	25.50	24.14	0.187	0.256		31.4
AG.0	Ant.A	Head	DFT-s OFDM QPSK	20	3	0	Right Tilt	166300	831.5	1	1	25.50	24.10	0.119	0.164		33.3
AG.0	Ant.A	Head	DFT-s OFDM QPSK	20	3	0	Right Tilt	166300	831.5	50	28	25.50	24.14	0.113	0.155		33.6
AG.0	Ant.A	Head	CP OFDM QPSK	20	3	0	Right Touch	166300	831.5	1	1	24.00	22.64	0.124	0.170		31.7
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Rear	166300	831.5	1	1	23.00	22.18	0.609	0.736		24.3
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Rear	166300	831.5	50	0	23.00	22.17	0.621	0.752		24.2
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Front	166300	831.5	1	1	23.00	22.18	0.175	0.211		29.7
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Front	166300	831.5	50	0	23.00	22.17	0.180	0.218		29.6
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	20	1	10	Bottom	166300	831.5	1	1	23.00	22.18	0.191	0.231		29.3
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	20	1	10	Bottom	166300	831.5	50	0	23.00	22.17	0.197	0.238		29.2
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	20	1	10	Right	166300	831.5	1	1	23.00	22.18	0.302	0.365		27.3
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	20	1	10	Right	166300	831.5	50	0	23.00	22.17	0.314	0.380		27.2
AG.0	Ant.A	Body-worn & Hotspot	CP OFDM QPSK	20	1	5	Rear	166300	831.5	1	1	23.00	22.16	0.522	0.633		24.9
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	20	3	0	Left Touch	166300	831.5	1	1	25.50	24.10	0.194	0.268		31.2
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	20	3	0	Left Touch	166300	831.5	50	28	25.50	24.14	0.177	0.242		31.6
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	20	3	0	Left Tilt	166300	831.5	1	1	25.50	24.10	0.155	0.214		32.1
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	20	3	0	Left Tilt	166300	831.5	50	28	25.50	24.14	0.137	0.187		32.7
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	20	3	0	Right Touch	166300	831.5	1	1	25.50	24.10	0.225	0.311		30.5
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	20	3	0	Right Touch	166300	831.5	50	28	25.50	24.14	0.215	0.294		30.8
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	20	3	0	Right Tilt	166300	831.5	1	1	25.50	24.10	0.174	0.240		31.6
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	20	3	0	Right Tilt	166300	831.5	50	28	25.50	24.14	0.165	0.226		31.9
AG.0	Ant.A+B	Head	CP OFDM QPSK	20	3	0	Right Touch	166300	831.5	1	1	24.00	22.64	0.164	0.224		30.4
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Rear	166300	831.5	1	1	23.00	22.18	0.727	0.878		23.5
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Rear	166300	831.5	50	0	23.00	22.17	0.746	0.903	43	23.4
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Rear	166300	831.5	100	0	23.00	22.13	0.729	0.891		23.5
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Front	166300	831.5	1	1	23.00	22.18	0.185	0.223		29.5
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Front	166300	831.5	50	0	23.00	22.17	0.193	0.234		29.3
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	20	1	10	Bottom	166300	831.5	1	1	23.00	22.18	0.106	0.128		31.9
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	20	1	10	Bottom	166300	831.5	50	0	23.00	22.17	0.108	0.131		31.8
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	20	1	10	Right	166300	831.5	1	1	23.00	22.18	0.302	0.365		27.3
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	20	1	10	Right	166300	831.5	50	0	23.00	22.17	0.288	0.349		27.5
AG.0	Ant.A+B	Body-worn & Hotspot	CP OFDM QPSK	20	1	5	Rear	166300	831.5	1	1	23.00	22.16	0.577	0.700		24.5
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	3	0	Left Touch	166300	831.5	1	1	25.50	23.61	0.317	0.490		28.5
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	3	0	Left Touch	166300	831.5	50	28	25.50	23.58	0.323	0.503		28.4
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	3	0	Left Tilt	166300	831.5	1	1	25.50	23.61	0.335	0.518	44	28.3
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	3	0	Left Tilt	166300	831.5	50	28	25.50	23.58	0.322	0.501		28.5
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	3	0	Right Touch	166300	831.5	1	1	25.50	23.61	0.202	0.312		30.5
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	3	0	Right Touch	166300	831.5	50	28	25.50	23.58	0.193	0.300		30.7
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	3	0	Right Tilt	166300	831.5	1	1	25.50	23.61	0.210	0.325		30.3
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	3	0	Right Tilt	166300	831.5	50	28	25.50	23.58	0.211	0.328		30.3
AG.1	Ant.D	Head	CP OFDM QPSK	20	3	0	Left Tilt	166300	831.5	1	1	24.00	22.26	0.206	0.308		29.1
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Rear	166300	831.5	1	1	22.00	20.45	0.470	0.672		23.7
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Rear	166300	831.5	50	0	22.00	20.47	0.502	0.714		23.4
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Front	166300	831.5	1	1	22.00	20.45	0.101	0.144		30.4
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Front	166300	831.5	50	0	22.00	20.47	0.104	0.148		30.2
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	20	1	10	Top	166300	831.5	1	1	22.00	20.45	0.128	0.183		29.3
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	20	1	10	Top	166300	831.5	50	0	22.00	20.47	0.129	0.183		29.3
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	20	1	10	Right	166300	831.5	1	1	22.00	20.45	0.293	0.419		25.7
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	20	1	10	Right	166300	831.5	50	0	22.00	20.47	0.289	0.411		25.8
AG.1	Ant.D	Body-worn & Hotspot	CP OFDM QPSK	20	1	5	Rear	166300	831.5	1	1	22.00	20.65	0.502	0.685		23.6

10.1.23. NR Band n5 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A	Head	DFT-s OFDM QPSK	20	3	0	Left Touch	167300	836.5	1	1	25.50	24.18	0.145	0.197		32.5
AG.0	Ant.A	Head	DFT-s OFDM QPSK	20	3	0	Left Touch	167300	836.5	50	28	25.50	24.19	0.130	0.176		33.0
AG.0	Ant.A	Head	DFT-s OFDM QPSK	20	3	0	Left Tilt	167300	836.5	1	1	25.50	24.18	0.132	0.179		32.9
AG.0	Ant.A	Head	DFT-s OFDM QPSK	20	3	0	Left Tilt	167300	836.5	50	28	25.50	24.19	0.106	0.143		33.9
AG.0	Ant.A	Head	DFT-s OFDM QPSK	20	3	0	Right Touch	167300	836.5	1	1	25.50	24.18	0.197	0.267		31.2
AG.0	Ant.A	Head	DFT-s OFDM QPSK	20	3	0	Right Touch	167300	836.5	50	28	25.50	24.19	0.199	0.269		31.2
AG.0	Ant.A	Head	DFT-s OFDM QPSK	20	3	0	Right Tilt	167300	836.5	1	1	25.50	24.18	0.123	0.167		33.2
AG.0	Ant.A	Head	DFT-s OFDM QPSK	20	3	0	Right Tilt	167300	836.5	50	28	25.50	24.19	0.120	0.162		33.3
AG.0	Ant.A	Head	CP OFDM QPSK	20	3	0	Right Touch	167300	836.5	1	1	24.00	22.78	0.197	0.261		29.8
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Rear	167300	836.5	1	1	23.00	22.17	0.648	0.784		24.0
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Rear	167300	836.5	50	28	23.00	22.20	0.657	0.790		24.0
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Front	167300	836.5	1	1	23.00	22.17	0.181	0.219		29.5
AG.0	Ant.A	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Front	167300	836.5	50	28	23.00	22.20	0.186	0.224		29.5
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	20	1	10	Bottom	167300	836.5	1	1	23.00	22.17	0.185	0.224		29.4
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	20	1	10	Bottom	167300	836.5	50	28	23.00	22.20	0.200	0.240		29.1
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	20	1	10	Right	167300	836.5	1	1	23.00	22.17	0.184	0.223		29.5
AG.0	Ant.A	Hotspot	DFT-s OFDM QPSK	20	1	10	Right	167300	836.5	50	28	23.00	22.20	0.216	0.260		28.8
AG.0	Ant.A	Body-worn & Hotspot	CP OFDM QPSK	20	1	5	Rear	167300	836.5	1	1	23.00	22.25	0.576	0.685		24.6
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	20	3	0	Left Touch	167300	836.5	1	1	25.50	24.18	0.196	0.266		31.2
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	20	3	0	Left Touch	167300	836.5	50	28	25.50	24.19	0.176	0.238		31.7
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	20	3	0	Left Tilt	167300	836.5	1	1	25.50	24.18	0.156	0.211		32.2
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	20	3	0	Left Tilt	167300	836.5	50	28	25.50	24.19	0.138	0.187		32.7
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	20	3	0	Right Touch	167300	836.5	1	1	25.50	24.18	0.240	0.325		30.3
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	20	3	0	Right Touch	167300	836.5	50	28	25.50	24.19	0.224	0.303		30.6
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	20	3	0	Right Tilt	167300	836.5	1	1	25.50	24.18	0.172	0.233		31.8
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	20	3	0	Right Tilt	167300	836.5	50	28	25.50	24.19	0.162	0.219		32.0
AG.0	Ant.A+B	Head	CP OFDM QPSK	20	3	0	Right Touch	167300	836.5	1	1	24.00	22.78	0.171	0.226		30.4
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Rear	167300	836.5	1	1	23.00	22.17	0.737	0.892		23.4
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Rear	167300	836.5	50	28	23.00	22.20	0.743	0.893	45	23.4
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Rear	167300	836.5	100	0	23.00	22.19	0.733	0.883		23.5
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Front	167300	836.5	1	1	23.00	22.17	0.184	0.223		29.5
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Front	167300	836.5	50	28	23.00	22.20	0.189	0.227		29.4
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	20	1	10	Bottom	167300	836.5	1	1	23.00	22.17	0.107	0.130		31.8
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	20	1	10	Bottom	167300	836.5	50	28	23.00	22.20	0.109	0.131		31.8
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	20	1	10	Right	167300	836.5	1	1	23.00	22.17	0.306	0.370		27.3
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	20	1	10	Right	167300	836.5	50	28	23.00	22.20	0.289	0.347		27.5
AG.0	Ant.A+B	Body-worn & Hotspot	CP OFDM QPSK	20	1	5	Rear	167300	836.5	1	1	23.00	22.25	0.608	0.723		24.4
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	3	0	Left Touch	167300	836.5	1	104	25.50	23.69	0.292	0.443		29.0
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	3	0	Left Touch	167300	836.5	50	28	25.50	23.67	0.322	0.491		28.5
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	3	0	Left Tilt	167300	836.5	1	104	25.50	23.69	0.300	0.455		28.9
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	3	0	Left Tilt	167300	836.5	50	28	25.50	23.67	0.334	0.509	46	28.4
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	3	0	Right Touch	167300	836.5	1	104	25.50	23.69	0.192	0.291		30.8
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	3	0	Right Touch	167300	836.5	50	28	25.50	23.67	0.200	0.305		30.6
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	3	0	Right Tilt	167300	836.5	1	104	25.50	23.69	0.193	0.293		30.8
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	3	0	Right Tilt	167300	836.5	50	28	25.50	23.67	0.206	0.314		30.5
AG.1	Ant.D	Head	CP OFDM QPSK	20	3	0	Left Tilt	167300	836.5	1	1	24.00	22.37	0.211	0.307		29.1
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Rear	167300	836.5	1	1	22.00	20.49	0.512	0.725		23.3
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Rear	167300	836.5	50	0	22.00	20.44	0.510	0.730		23.3
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Front	167300	836.5	1	1	22.00	20.49	0.105	0.149		30.2
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	20	1	5	Front	167300	836.5	50	0	22.00	20.44	0.105	0.150		30.2
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	20	1	10	Top	167300	836.5	1	1	22.00	20.49	0.132	0.187		29.2
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	20	1	10	Top	167300	836.5	50	0	22.00	20.44	0.133	0.190		29.2
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	20	1	10	Right	167300	836.5	1	1	22.00	20.49	0.271	0.384		26.1
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	20	1	10	Right	167300	836.5	50	0	22.00	20.44	0.279	0.400		25.9
AG.1	Ant.D	Body-worn & Hotspot	CP OFDM QPSK	20	1	5	Rear	167300	836.5	1	1	22.00	20.64	0.510	0.698		23.5

10.1.24. NR Band n7 (50MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.B	Head	DFT-s OFDM QPSK	50	3	0	Left Touch	507000	2535.0	1	1	25.00	24.36	0.088	0.102		34.9
AG.0	Ant.B	Head	DFT-s OFDM QPSK	50	3	0	Left Touch	507000	2535.0	135	67	25.00	24.27	0.092	0.109		34.6
AG.0	Ant.B	Head	DFT-s OFDM QPSK	50	3	0	Left Tilt	507000	2535.0	1	1	25.00	24.36	0.056	0.065		36.8
AG.0	Ant.B	Head	DFT-s OFDM QPSK	50	3	0	Left Tilt	507000	2535.0	135	67	25.00	24.27	0.042	0.049		38.0
AG.0	Ant.B	Head	DFT-s OFDM QPSK	50	3	0	Right Touch	507000	2535.0	1	1	25.00	24.36	0.082	0.095		35.2
AG.0	Ant.B	Head	DFT-s OFDM QPSK	50	3	0	Right Touch	507000	2535.0	135	67	25.00	24.27	0.084	0.100		35.0
AG.0	Ant.B	Head	DFT-s OFDM QPSK	50	3	0	Right Tilt	507000	2535.0	1	1	25.00	24.36	0.058	0.068		36.6
AG.0	Ant.B	Head	DFT-s OFDM QPSK	50	3	0	Right Tilt	507000	2535.0	135	67	25.00	24.27	0.055	0.065		36.8
AG.0	Ant.B	Head	CP OFDM QPSK	50	3	0	Left Touch	507000	2535.0	1	1	23.50	23.24	0.083	0.088		34.0
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	50	1	5	Rear	507000	2535.0	1	1	17.00	16.74	0.577	0.613		19.1
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	50	1	5	Rear	507000	2535.0	135	67	17.00	16.89	0.622	0.638		18.9
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	50	1	5	Front	507000	2535.0	1	1	17.00	16.74	0.068	0.072		28.4
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	50	1	5	Front	507000	2535.0	135	67	17.00	16.89	0.082	0.084		27.7
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	50	1	10	Bottom	507000	2535.0	1	1	17.00	16.74	0.246	0.261		22.8
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	50	1	10	Bottom	507000	2535.0	135	67	17.00	16.89	0.258	0.265		22.7
AG.0	Ant.B	Body-worn & Hotspot	CP OFDM QPSK	50	1	5	Rear	507000	2535.0	1	1	17.00	16.95	0.570	0.577		19.3
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	DFT-s OFDM QPSK	50	3	0	Left Touch	507000	2535.0	1	134	18.00	17.37	0.586	0.677		19.6
AG.1	Ant.F	Head	DFT-s OFDM QPSK	50	3	0	Left Touch	507000	2535.0	135	67	18.00	17.27	0.624	0.738		19.3
AG.1	Ant.F	Head	DFT-s OFDM QPSK	50	3	0	Left Tilt	507000	2535.0	1	134	18.00	17.37	0.680	0.786		19.0
AG.1	Ant.F	Head	DFT-s OFDM QPSK	50	3	0	Left Tilt	507000	2535.0	135	67	18.00	17.27	0.723	0.855	47	18.6
AG.1	Ant.F	Head	DFT-s OFDM QPSK	50	3	0	Right Touch	507000	2535.0	1	134	18.00	17.37	0.466	0.539		20.6
AG.1	Ant.F	Head	DFT-s OFDM QPSK	50	3	0	Right Touch	507000	2535.0	135	67	18.00	17.27	0.515	0.609		20.1
AG.1	Ant.F	Head	DFT-s OFDM QPSK	50	3	0	Right Tilt	507000	2535.0	1	134	18.00	17.37	0.585	0.676		19.6
AG.1	Ant.F	Head	DFT-s OFDM QPSK	50	3	0	Right Tilt	507000	2535.0	135	67	18.00	17.27	0.617	0.730		19.3
AG.1	Ant.F	Head	CP OFDM QPSK	50	3	0	Left Tilt	507000	2535.0	1	1	18.00	17.64	0.639	0.694		19.5
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	50	1	5	Rear	507000	2535.0	1	134	17.00	16.18	0.561	0.678	48	18.6
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	50	1	5	Rear	507000	2535.0	135	67	17.00	16.20	0.537	0.646		18.9
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	50	1	5	Front	507000	2535.0	1	134	17.00	16.18	0.312	0.377		21.2
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	50	1	5	Front	507000	2535.0	135	67	17.00	16.20	0.296	0.356		21.4
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	50	1	10	Top	507000	2535.0	1	134	17.00	16.18	0.355	0.429		20.6
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	50	1	10	Top	507000	2535.0	135	67	17.00	16.20	0.347	0.417		20.7
AG.1	Ant.F	Body-worn & Hotspot	CP OFDM QPSK	50	1	5	Rear	507000	2535.0	1	1	17.00	16.55	0.549	0.609		19.1

10.1.25. NR Band n66 (45MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.B	Head	DFT-s OFDM QPSK	45	3	0	Left Touch	349000	1745.0	1	1	25.00	24.62	0.211	0.230		31.3
AG.0	Ant.B	Head	DFT-s OFDM QPSK	45	3	0	Left Touch	349000	1745.0	120	60	25.00	24.36	0.182	0.211		31.7
AG.0	Ant.B	Head	DFT-s OFDM QPSK	45	3	0	Left Tilt	349000	1745.0	1	1	25.00	24.62	0.098	0.107		34.7
AG.0	Ant.B	Head	DFT-s OFDM QPSK	45	3	0	Left Tilt	349000	1745.0	120	60	25.00	24.36	0.069	0.080		35.9
AG.0	Ant.B	Head	DFT-s OFDM QPSK	45	3	0	Right Touch	349000	1745.0	1	1	25.00	24.62	0.332	0.362		29.4
AG.0	Ant.B	Head	DFT-s OFDM QPSK	45	3	0	Right Touch	349000	1745.0	120	60	25.00	24.36	0.289	0.335		29.7
AG.0	Ant.B	Head	DFT-s OFDM QPSK	45	3	0	Right Tilt	349000	1745.0	1	1	25.00	24.62	0.072	0.079		36.0
AG.0	Ant.B	Head	DFT-s OFDM QPSK	45	3	0	Right Tilt	349000	1745.0	120	60	25.00	24.36	0.069	0.080		35.9
AG.0	Ant.B	Head	CP OFDM QPSK	45	3	0	Right Touch	349000	1745.0	1	1	23.50	23.13	0.252	0.274		29.1
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	45	1	5	Rear	349000	1745.0	1	1	17.00	16.45	0.604	0.686		18.6
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	45	1	5	Rear	349000	1745.0	120	60	17.00	16.47	0.546	0.617		19.0
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	45	1	5	Front	349000	1745.0	1	1	17.00	16.45	0.223	0.253		22.9
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	45	1	5	Front	349000	1745.0	120	60	17.00	16.47	0.206	0.233		23.3
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	45	1	10	Bottom	349000	1745.0	1	1	17.00	16.45	0.338	0.384		21.1
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	45	1	10	Bottom	349000	1745.0	120	60	17.00	16.47	0.328	0.371		21.3
AG.0	Ant.B	Body-worn & Hotspot	CP OFDM QPSK	45	1	5	Rear	349000	1745.0	1	1	17.00	16.71	0.621	0.664		18.7
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	3	0	Left Touch	349000	1745.0	1	1	21.00	20.30	0.670	0.787		22.0
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	3	0	Left Touch	349000	1745.0	120	60	21.00	20.15	0.551	0.670		22.7
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	3	0	Left Tilt	349000	1745.0	1	1	21.00	20.30	0.916	1.076	49	20.6
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	3	0	Left Tilt	349000	1745.0	120	60	21.00	20.15	0.814	0.990		21.0
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	3	0	Left Tilt	349000	1745.0	240	0	21.00	20.18	0.837	1.011		20.9
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	3	0	Right Touch	349000	1745.0	1	1	21.00	20.30	0.572	0.672		22.7
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	3	0	Right Touch	349000	1745.0	120	60	21.00	20.15	0.521	0.634		22.9
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	3	0	Right Tilt	349000	1745.0	1	1	21.00	20.30	0.787	0.925		21.3
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	3	0	Right Tilt	349000	1745.0	120	60	21.00	20.15	0.722	0.878		21.5
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	3	0	Right Tilt	349000	1745.0	240	0	21.00	20.18	0.729	0.880		21.5
AG.1	Ant.F	Head	CP OFDM QPSK	45	3	0	Left Tilt	349000	1745.0	1	1	21.00	20.42	0.928	1.061		20.7
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	45	1	5	Rear	349000	1745.0	1	1	16.50	15.69	0.646	0.778	50	17.5
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	45	1	5	Rear	349000	1745.0	120	60	16.50	15.71	0.613	0.735		17.8
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	45	1	5	Front	349000	1745.0	1	1	16.50	15.69	0.201	0.242		22.6
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	45	1	5	Front	349000	1745.0	120	60	16.50	15.71	0.145	0.174		24.0
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	45	1	10	Top	349000	1745.0	1	1	16.50	15.69	0.252	0.304		21.6
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	45	1	10	Top	349000	1745.0	120	60	16.50	15.71	0.228	0.273		22.1
AG.1	Ant.F	Body-worn & Hotspot	CP OFDM QPSK	45	1	5	Rear	349000	1745.0	1	1	16.50	15.79	0.605	0.712		17.9

10.1.26. NR Band n25 (40MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.0	Ant.B	Head	DFT-s OFDM QPSK	40	3	0	Left Touch	376500	1882.5	1	1	25.00	24.35	0.171	0.199		32.0
AG.0	Ant.B	Head	DFT-s OFDM QPSK	40	3	0	Left Touch	376500	1882.5	108	54	25.00	24.24	0.147	0.175		32.5
AG.0	Ant.B	Head	DFT-s OFDM QPSK	40	3	0	Left Tilt	376500	1882.5	1	1	25.00	24.35	0.054	0.063		37.0
AG.0	Ant.B	Head	DFT-s OFDM QPSK	40	3	0	Left Tilt	376500	1882.5	108	54	25.00	24.24	0.037	0.044		38.5
AG.0	Ant.B	Head	DFT-s OFDM QPSK	40	3	0	Right Touch	376500	1882.5	1	1	25.00	24.35	0.266	0.309		30.1
AG.0	Ant.B	Head	DFT-s OFDM QPSK	40	3	0	Right Touch	376500	1882.5	108	54	25.00	24.24	0.229	0.273		30.6
AG.0	Ant.B	Head	DFT-s OFDM QPSK	40	3	0	Right Tilt	376500	1882.5	1	1	25.00	24.35	0.049	0.057		37.4
AG.0	Ant.B	Head	DFT-s OFDM QPSK	40	3	0	Right Tilt	376500	1882.5	108	54	25.00	24.24	0.044	0.052		37.8
AG.0	Ant.B	Head	CP OFDM QPSK	40	3	0	Right Touch	376500	1882.5	1	1	23.50	23.01	0.253	0.283		<u>28.9</u>
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Rear	376500	1882.5	1	1	18.00	17.59	0.622	0.684		<u>19.6</u>
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Rear	376500	1882.5	108	54	18.00	17.45	0.557	0.632		19.9
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Front	376500	1882.5	1	1	18.00	17.59	0.348	0.382		22.1
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Front	376500	1882.5	108	54	18.00	17.45	0.333	0.378		22.2
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	40	1	10	Bottom	376500	1882.5	1	1	18.00	17.59	0.397	0.436		21.6
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	40	1	10	Bottom	376500	1882.5	108	54	18.00	17.45	0.350	0.397		22.0
AG.0	Ant.B	Body-worn & Hotspot	CP OFDM QPSK	40	1	5	Rear	376500	1882.5	1	1	18.00	17.69	0.504	0.541		20.6
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.1	Ant.F	Head	DFT-s OFDM QPSK	40	3	0	Left Touch	376500	1882.5	1	1	22.00	21.45	0.520	0.590		24.2
AG.1	Ant.F	Head	DFT-s OFDM QPSK	40	3	0	Left Touch	376500	1882.5	108	54	22.00	21.39	0.474	0.545		24.6
AG.1	Ant.F	Head	DFT-s OFDM QPSK	40	3	0	Left Tilt	376500	1882.5	1	1	22.00	21.45	0.674	0.765	51	<u>23.1</u>
AG.1	Ant.F	Head	DFT-s OFDM QPSK	40	3	0	Left Tilt	376500	1882.5	108	54	22.00	21.39	0.576	0.663		23.7
AG.1	Ant.F	Head	DFT-s OFDM QPSK	40	3	0	Right Touch	376500	1882.5	1	1	22.00	21.45	0.437	0.496		25.0
AG.1	Ant.F	Head	DFT-s OFDM QPSK	40	3	0	Right Touch	376500	1882.5	108	54	22.00	21.39	0.449	0.517		24.8
AG.1	Ant.F	Head	DFT-s OFDM QPSK	40	3	0	Right Tilt	376500	1882.5	1	1	22.00	21.45	0.614	0.697		23.5
AG.1	Ant.F	Head	DFT-s OFDM QPSK	40	3	0	Right Tilt	376500	1882.5	108	54	22.00	21.39	0.529	0.609		24.1
AG.1	Ant.F	Head	CP OFDM QPSK	40	3	0	Left Tilt	376500	1882.5	1	1	22.00	21.29	0.628	0.740		23.3
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Rear	376500	1882.5	1	1	17.50	16.73	0.584	0.697	52	<u>19.0</u>
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Rear	376500	1882.5	108	54	17.50	16.95	0.531	0.603		19.6
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Front	376500	1882.5	1	1	17.50	16.73	0.109	0.130		26.3
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Front	376500	1882.5	108	54	17.50	16.95	0.102	0.116		26.8
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	40	1	10	Top	376500	1882.5	1	1	17.50	16.73	0.284	0.339		22.1
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	40	1	10	Top	376500	1882.5	108	54	17.50	16.95	0.254	0.288		22.9
AG.1	Ant.F	Body-worn & Hotspot	CP OFDM QPSK	40	1	5	Rear	376500	1882.5	1	1	17.50	16.92	0.605	0.691		19.1

10.1.27. NR Band n30 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.B	Head	DFT-s OFDM QPSK	10	3	0	Left Touch	462000	2310.0	1	25	24.00	23.93	0.062	0.063		36.0
AG.0	Ant.B	Head	DFT-s OFDM QPSK	10	3	0	Left Touch	462000	2310.0	25	13	24.00	23.78	0.080	0.084		34.7
AG.0	Ant.B	Head	DFT-s OFDM QPSK	10	3	0	Left Tilt	462000	2310.0	1	25	24.00	23.93	0.073	0.074		35.2
AG.0	Ant.B	Head	DFT-s OFDM QPSK	10	3	0	Left Tilt	462000	2310.0	25	13	24.00	23.78	0.088	0.093		34.3
AG.0	Ant.B	Head	DFT-s OFDM QPSK	10	3	0	Right Touch	462000	2310.0	1	25	24.00	23.93	0.087	0.088		34.5
AG.0	Ant.B	Head	DFT-s OFDM QPSK	10	3	0	Right Touch	462000	2310.0	25	13	24.00	23.78	0.136	0.143		32.4
AG.0	Ant.B	Head	DFT-s OFDM QPSK	10	3	0	Right Tilt	462000	2310.0	1	25	24.00	23.93	0.033	0.034		38.7
AG.0	Ant.B	Head	DFT-s OFDM QPSK	10	3	0	Right Tilt	462000	2310.0	25	13	24.00	23.78	0.043	0.045		37.4
AG.0	Ant.B	Head	CP OFDM QPSK	10	3	0	Right Touch	462000	2310.0	1	1	22.50	22.45	0.086	0.087		33.1
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Rear	462000	2310.0	1	25	17.50	17.34	0.581	0.603		19.6
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Rear	462000	2310.0	25	13	17.50	17.41	0.597	0.610	53	19.6
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Front	462000	2310.0	1	25	17.50	17.34	0.100	0.104		27.3
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Front	462000	2310.0	25	13	17.50	17.41	0.098	0.100		27.4
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	10	1	10	Bottom	462000	2310.0	1	25	17.50	17.34	0.397	0.412		21.3
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	10	1	10	Bottom	462000	2310.0	25	13	17.50	17.41	0.376	0.384		21.6
AG.0	Ant.B	Body-worn & Hotspot	CP OFDM QPSK	10	1	5	Rear	462000	2310.0	1	1	17.50	17.43	0.538	0.547		20.1
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	DFT-s OFDM QPSK	10	3	0	Left Touch	462000	2310.0	1	50	19.50	18.93	0.559	0.637		21.4
AG.1	Ant.F	Head	DFT-s OFDM QPSK	10	3	0	Left Touch	462000	2310.0	25	13	19.50	18.89	0.610	0.702		21.0
AG.1	Ant.F	Head	DFT-s OFDM QPSK	10	3	0	Left Tilt	462000	2310.0	1	50	19.50	18.93	0.801	0.913	54	19.8
AG.1	Ant.F	Head	DFT-s OFDM QPSK	10	3	0	Left Tilt	462000	2310.0	25	13	19.50	18.89	0.748	0.861		20.1
AG.1	Ant.F	Head	DFT-s OFDM QPSK	10	3	0	Left Tilt	462000	2310.0	50	0	19.50	18.93	0.762	0.869		20.1
AG.1	Ant.F	Head	DFT-s OFDM QPSK	10	3	0	Right Touch	462000	2310.0	1	50	19.50	18.93	0.537	0.612		21.6
AG.1	Ant.F	Head	DFT-s OFDM QPSK	10	3	0	Right Touch	462000	2310.0	25	13	19.50	18.89	0.585	0.673		21.2
AG.1	Ant.F	Head	DFT-s OFDM QPSK	10	3	0	Right Tilt	462000	2310.0	1	50	19.50	18.93	0.664	0.757		20.7
AG.1	Ant.F	Head	DFT-s OFDM QPSK	10	3	0	Right Tilt	462000	2310.0	25	13	19.50	18.89	0.684	0.787		20.5
AG.1	Ant.F	Head	CP OFDM QPSK	10	3	0	Left Tilt	462000	2310.0	1	1	19.50	19.04	0.771	0.857		20.1
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Rear	462000	2310.0	1	50	17.50	16.86	0.418	0.484		20.6
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Rear	462000	2310.0	25	13	17.50	16.89	0.439	0.505		20.4
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Front	462000	2310.0	1	50	17.50	16.86	0.243	0.262		23.0
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	10	1	5	Front	462000	2310.0	25	13	17.50	16.89	0.253	0.291		22.8
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	10	1	10	Top	462000	2310.0	1	50	17.50	16.86	0.277	0.321		22.4
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	10	1	10	Top	462000	2310.0	25	13	17.50	16.89	0.291	0.335		22.2
AG.1	Ant.F	Body-worn & Hotspot	CP OFDM QPSK	10	1	5	Rear	462000	2310.0	1	1	17.50	17.01	0.428	0.479		20.6

10.1.28. NR Band n70 (15MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.B	Head	DFT-s OFDM QPSK	15	3	0	Left Touch	340500	1702.5	1	1	24.50	23.65	0.178	0.216		31.1
AG.0	Ant.B	Head	DFT-s OFDM QPSK	15	3	0	Left Touch	340500	1702.5	36	21	24.50	23.66	0.184	0.223		31.0
AG.0	Ant.B	Head	DFT-s OFDM QPSK	15	3	0	Left Tilt	340500	1702.5	1	1	24.50	23.65	0.107	0.130		33.3
AG.0	Ant.B	Head	DFT-s OFDM QPSK	15	3	0	Left Tilt	340500	1702.5	36	21	24.50	23.66	0.107	0.130		33.3
AG.0	Ant.B	Head	DFT-s OFDM QPSK	15	3	0	Right Touch	340500	1702.5	1	1	24.50	23.65	0.289	0.351		29.0
AG.0	Ant.B	Head	DFT-s OFDM QPSK	15	3	0	Right Touch	340500	1702.5	36	21	24.50	23.66	0.293	0.356		28.9
AG.0	Ant.B	Head	DFT-s OFDM QPSK	15	3	0	Right Tilt	340500	1702.5	1	1	24.50	23.65	0.068	0.083		35.3
AG.0	Ant.B	Head	DFT-s OFDM QPSK	15	3	0	Right Tilt	340500	1702.5	36	21	24.50	23.66	0.066	0.080		35.4
AG.0	Ant.B	Head	CP OFDM QPSK	15	3	0	Right Touch	340500	1702.5	1	1	23.00	22.22	0.198	0.237		29.2
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Rear	340500	1702.5	1	1	18.00	17.02	0.755	0.946		18.2
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Rear	340500	1702.5	36	21	18.00	17.07	0.773	0.958		18.1
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Rear	340500	1702.5	75	0	18.00	17.02	0.784	0.982	55	18.0
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Front	340500	1702.5	1	1	18.00	17.02	0.258	0.323		22.9
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Front	340500	1702.5	36	21	18.00	17.07	0.261	0.323		22.9
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	15	1	10	Bottom	340500	1702.5	1	1	18.00	17.02	0.405	0.508		20.9
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	15	1	10	Bottom	340500	1702.5	36	21	18.00	17.07	0.418	0.518		20.8
AG.0	Ant.B	Body-worn & Hotspot	CP OFDM QPSK	15	1	5	Rear	340500	1702.5	1	1	18.00	17.15	0.731	0.889		18.5
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	3	0	Left Touch	340500	1702.5	1	1	20.00	19.55	0.779	0.864		20.6
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	3	0	Left Touch	340500	1702.5	36	21	20.00	19.37	0.757	0.875		20.5
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	3	0	Left Touch	340500	1702.5	75	0	20.00	19.40	0.762	0.875		20.5
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	3	0	Left Tilt	340500	1702.5	1	1	20.00	19.55	0.808	0.896	56	20.4
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	3	0	Left Tilt	340500	1702.5	36	21	20.00	19.37	0.765	0.884		20.5
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	3	0	Left Tilt	340500	1702.5	75	0	20.00	19.40	0.769	0.883		20.5
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	3	0	Right Touch	340500	1702.5	1	1	20.00	19.55	0.558	0.619		22.0
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	3	0	Right Touch	340500	1702.5	36	21	20.00	19.37	0.527	0.609		22.1
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	3	0	Right Tilt	340500	1702.5	1	1	20.00	19.55	0.720	0.799		20.9
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	3	0	Right Tilt	340500	1702.5	36	21	20.00	19.37	0.674	0.779		21.0
AG.1	Ant.F	Head	CP OFDM QPSK	15	3	0	Left Tilt	340500	1702.5	1	1	20.00	19.38	0.758	0.874		20.5
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Rear	340500	1702.5	1	1	16.50	15.77	0.592	0.700		18.0
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Rear	340500	1702.5	36	21	16.50	15.80	0.566	0.665		18.2
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Front	340500	1702.5	1	1	16.50	15.77	0.201	0.238		22.7
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	15	1	5	Front	340500	1702.5	36	21	16.50	15.80	0.206	0.242		22.6
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	15	1	10	Top	340500	1702.5	1	1	16.50	15.77	0.341	0.403		20.4
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	15	1	10	Top	340500	1702.5	36	21	16.50	15.80	0.325	0.382		20.6
AG.1	Ant.F	Body-worn & Hotspot	CP OFDM QPSK	15	1	5	Rear	340500	1702.5	1	1	16.50	15.65	0.485	0.590		18.7

10.1.29. NR Band n48 (40MHz Bandwidth)**(Voice/data/SRS1)**

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	3	0	Left Touch	638000	3570.00	1	1	19.00	18.65	0.154	0.167		26.7
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	3	0	Left Touch	638000	3570.00	50	0	19.00	18.68	0.154	0.166		26.8
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	3	0	Left Tilt	638000	3570.00	1	1	19.00	18.65	0.185	0.201		25.9
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	3	0	Left Tilt	638000	3570.00	50	0	19.00	18.68	0.192	0.207		25.8
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	3	0	Right Touch	638000	3570.00	1	1	19.00	18.65	0.216	0.234		25.3
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	3	0	Right Touch	638000	3570.00	50	0	19.00	18.68	0.215	0.231		25.3
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	3	0	Right Tilt	638000	3570.00	1	1	19.00	18.65	0.296	0.321	57	23.9
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	3	0	Right Tilt	638000	3570.00	50	0	19.00	18.68	0.285	0.307		24.1
AG.1	Ant.E	Head	CP OFDM QPSK	40	3	0	Right Tilt	638000	3570.00	1	1	19.00	18.55	0.288	0.319		23.9
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Rear	638000	3570.00	1	1	18.00	17.45	0.754	0.856		18.6
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Rear	638000	3570.00	50	0	18.00	17.42	0.740	0.846		18.7
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Rear	638000	3570.00	100	0	18.00	17.37	0.589	0.681		19.6
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Rear	641666	3624.99	1	1	18.00	17.14	0.744	0.907		18.4
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Rear	641666	3624.99	50	0	18.00	17.19	0.766	0.923	58	18.3
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Rear	645332	3679.98	1	1	18.00	17.05	0.666	0.829		18.8
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Rear	645332	3679.98	50	0	18.00	17.15	0.628	0.764		19.1
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Front	638000	3570.00	1	1	18.00	17.45	0.081	0.092		28.3
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	1	5	Front	638000	3570.00	50	0	18.00	17.42	0.090	0.103		27.8
AG.1	Ant.E	Hotspot	DFT-s OFDM QPSK	40	1	10	Top	638000	3570.00	1	1	18.00	17.45	0.225	0.255		23.9
AG.1	Ant.E	Hotspot	DFT-s OFDM QPSK	40	1	10	Top	638000	3570.00	50	0	18.00	17.42	0.212	0.242		24.1
AG.1	Ant.E	Hotspot	DFT-s OFDM QPSK	40	1	10	Left	638000	3570.00	1	1	18.00	17.45	0.039	0.044		31.5
AG.1	Ant.E	Hotspot	DFT-s OFDM QPSK	40	1	10	Left	638000	3570.00	50	0	18.00	17.42	0.036	0.041		31.8
AG.1	Ant.E	Body-worn & Hotspot	CP OFDM QPSK	40	1	5	Rear	641666	3624.99	1	1	18.00	17.16	0.670	0.813		18.8

(SRS2)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A	Head	SRS CW	40	3	0	Left Touch	638000	3570.00	13.00	12.42	0.002	0.002		39.4
AG.0	Ant.A	Head	SRS CW	40	3	0	Left Tilt	638000	3570.00	13.00	12.42	0.000	0.000		N/A
AG.0	Ant.A	Head	SRS CW	40	3	0	Right Touch	638000	3570.00	13.00	12.42	0.003	0.003		37.6
AG.0	Ant.A	Head	SRS CW	40	3	0	Right Tilt	638000	3570.00	13.00	12.42	0.000	0.000		N/A
AG.0	Ant.A	Body-worn & Hotspot	SRS CW	40	1	5	Rear	638000	3570.00	13.00	12.42	0.076	0.087		23.6
AG.0	Ant.A	Body-worn & Hotspot	SRS CW	40	1	5	Front	638000	3570.00	13.00	12.42	0.005	0.006		35.4
AG.0	Ant.A	Hotspot	SRS CW	40	1	10	Bottom	638000	3570.00	13.00	12.42	0.061	0.070		24.5
AG.0	Ant.A	Hotspot	SRS CW	40	1	10	Right	638000	3570.00	13.00	12.42	0.019	0.022		29.6

(SRS3)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	SRS CW	40	3	0	Left Touch	638000	3570.00	13.00	12.60	0.058	0.064		24.9
AG.1	Ant.F	Head	SRS CW	40	3	0	Left Tilt	638000	3570.00	13.00	12.60	0.085	0.093	59	<u>23.3</u>
AG.1	Ant.F	Head	SRS CW	40	3	0	Right Touch	638000	3570.00	13.00	12.60	0.054	0.059		25.2
AG.1	Ant.F	Head	SRS CW	40	3	0	Right Tilt	638000	3570.00	13.00	12.60	0.073	0.080		23.9
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	40	1	5	Rear	638000	3570.00	13.00	12.60	0.357	0.391	60	<u>17.0</u>
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	40	1	5	Front	638000	3570.00	13.00	12.60	0.037	0.041		26.9
AG.1	Ant.F	Hotspot	SRS CW	40	1	10	Top	638000	3570.00	13.00	12.60	0.214	0.235		19.2

(SRS4)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.C	Head	SRS CW	40	3	0	Left Touch	638000	3570.00	13.00	12.51	0.000	0.000		N/A
AG.0	Ant.C	Head	SRS CW	40	3	0	Left Tilt	638000	3570.00	13.00	12.51	0.000	0.000		N/A
AG.0	Ant.C	Head	SRS CW	40	3	0	Right Touch	638000	3570.00	13.00	12.51	0.002	0.002		<u>39.4</u>
AG.0	Ant.C	Head	SRS CW	40	3	0	Right Tilt	638000	3570.00	13.00	12.51	0.000	0.000		N/A
AG.0	Ant.C	Body-worn & Hotspot	SRS CW	40	1	5	Rear	638000	3570.00	13.00	12.51	0.081	0.091		<u>23.4</u>
AG.0	Ant.C	Body-worn & Hotspot	SRS CW	40	1	5	Front	638000	3570.00	13.00	12.51	0.008	0.009		33.4
AG.0	Ant.C	Hotspot	SRS CW	40	1	10	Left	638000	3570.00	13.00	12.51	0.002	0.002		39.4
AG.0	Ant.C	Hotspot	SRS CW	40	1	10	Bottom	638000	3570.00	13.00	12.51	0.032	0.036		27.4

10.1.30. NR Band n41 (100MHz Bandwidth)**(Voice/data/SRS1)**

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	DFT-s OFDM QPSK	100	3	0	Left Touch	518598	2592.99	1	1	16.50	16.05	0.582	0.646		18.4
AG.1	Ant.F	Head	DFT-s OFDM QPSK	100	3	0	Left Touch	518598	2592.99	135	0	16.50	15.80	0.604	0.710		17.9
AG.1	Ant.F	Head	DFT-s OFDM QPSK	100	3	0	Left Tilt	518598	2592.99	1	1	16.50	16.05	0.703	0.780		17.5
AG.1	Ant.F	Head	DFT-s OFDM QPSK	100	3	0	Left Tilt	518598	2592.99	135	0	16.50	15.80	0.706	0.829		17.3
AG.1	Ant.F	Head	DFT-s OFDM QPSK	100	3	0	Right Touch	518598	2592.99	1	1	16.50	16.05	0.554	0.614		18.6
AG.1	Ant.F	Head	DFT-s OFDM QPSK	100	3	0	Right Touch	518598	2592.99	135	0	16.50	15.80	0.559	0.657		18.3
AG.1	Ant.F	Head	DFT-s OFDM QPSK	100	3	0	Right Tilt	518598	2592.99	1	1	16.50	16.05	0.681	0.755		17.7
AG.1	Ant.F	Head	DFT-s OFDM QPSK	100	3	0	Right Tilt	518598	2592.99	135	0	16.50	15.80	0.686	0.806		17.4
AG.1	Ant.F	Head	CP OFDM QPSK	100	3	0	Left Tilt	518598	2592.99	1	1	16.50	16.05	0.618	0.685		18.1
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Rear	518598	2592.99	1	1	17.00	16.51	0.671	0.751		18.2
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Rear	518598	2592.99	135	0	17.00	16.17	0.549	0.665		18.7
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Front	518598	2592.99	1	1	17.00	16.51	0.263	0.294		22.3
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Front	518598	2592.99	135	0	17.00	16.17	0.256	0.310		22.0
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	100	1	10	Top	518598	2592.99	1	1	17.00	16.51	0.354	0.396		21.0
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	100	1	10	Top	518598	2592.99	135	0	17.00	16.17	0.323	0.391		21.0
AG.1	Ant.F	Body-worn & Hotspot	CP OFDM QPSK	100	1	5	Rear	518598	2592.99	1	1	17.00	16.56	0.601	0.665		18.7

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	SRS CW	100	3	0	Left Touch	518598	2592.99	16.50	15.88	0.756	0.872		17.0
AG.1	Ant.F	Head	SRS CW	100	3	0	Left Tilt	518598	2592.99	16.50	15.88	0.854	0.985	61	16.5
AG.1	Ant.F	Head	SRS CW	100	3	0	Right Touch	518598	2592.99	16.50	15.88	0.713	0.822		17.3
AG.1	Ant.F	Head	SRS CW	100	3	0	Right Tilt	518598	2592.99	16.50	15.88	0.840	0.969		16.6
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	100	1	5	Rear	518598	2592.99	17.00	16.93	0.748	0.760	62	18.1
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	100	1	5	Front	518598	2592.99	17.00	16.93	0.506	0.514		19.8
AG.1	Ant.F	Hotspot	SRS CW	100	1	10	Top	518598	2592.99	17.00	16.93	0.460	0.467		20.3

Switching (Voice/data/SRS1)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.0	Ant.B	Head	DFT-s OFDM QPSK	100	3	0	Left Touch	518598	2592.99	1	1	24.00	23.67	0.141	0.152		32.1
AG.0	Ant.B	Head	DFT-s OFDM QPSK	100	3	0	Left Touch	518598	2592.99	135	69	24.00	23.41	0.131	0.150		32.2
AG.0	Ant.B	Head	DFT-s OFDM QPSK	100	3	0	Left Tilt	518598	2592.99	1	1	24.00	23.67	0.093	0.100		33.9
AG.0	Ant.B	Head	DFT-s OFDM QPSK	100	3	0	Left Tilt	518598	2592.99	135	69	24.00	23.41	0.112	0.128		32.9
AG.0	Ant.B	Head	DFT-s OFDM QPSK	100	3	0	Right Touch	518598	2592.99	1	1	24.00	23.67	0.143	0.154		32.1
AG.0	Ant.B	Head	DFT-s OFDM QPSK	100	3	0	Right Touch	518598	2592.99	135	69	24.00	23.41	0.116	0.133		32.7
AG.0	Ant.B	Head	DFT-s OFDM QPSK	100	3	0	Right Tilt	518598	2592.99	1	1	24.00	23.67	0.090	0.097		34.1
AG.0	Ant.B	Head	DFT-s OFDM QPSK	100	3	0	Right Tilt	518598	2592.99	135	69	24.00	23.41	0.061	0.070		35.5
AG.0	Ant.B	Head	CP OFDM QPSK	100	3	0	Right Touch	518598	2592.99	1	1	24.00	23.70	0.123	0.132		32.8
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Rear	518598	2592.99	1	1	17.00	16.47	0.538	0.608		19.1
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Rear	518598	2592.99	135	69	17.00	16.47	0.431	0.487		20.1
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Front	518598	2592.99	1	1	17.00	16.47	0.222	0.251		23.0
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Front	518598	2592.99	135	69	17.00	16.47	0.143	0.162		24.9
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	100	1	10	Bottom	518598	2592.99	1	1	17.00	16.47	0.323	0.365		21.3
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	100	1	10	Bottom	518598	2592.99	135	69	17.00	16.47	0.233	0.263		22.7
AG.0	Ant.B	Body-worn & Hotspot	CP OFDM QPSK	100	1	5	Rear	518598	2592.99	1	1	17.00	16.92	0.496	0.505		19.9

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Part0 Limit
AG.0	Ant.B	Head	SRS CW	100	3	0	Right Touch	518598	2592.99	20.00	19.34	0.033	0.038	34.1
AG.0	Ant.B	Body-worn & Hotspot	SRS CW	100	1	5	Rear	518598	2592.99	17.00	16.08	0.489	0.604	19.1

(SRS3)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.E	Head	SRS CW	100	3	0	Left Touch	518598	2592.99	13.00	11.98	0.005	0.006		34.9
AG.1	Ant.E	Head	SRS CW	100	3	0	Left Tilt	518598	2592.99	13.00	11.98	0.009	0.011		32.4
AG.1	Ant.E	Head	SRS CW	100	3	0	Right Touch	518598	2592.99	13.00	11.98	0.010	0.013		31.9
AG.1	Ant.E	Head	SRS CW	100	3	0	Right Tilt	518598	2592.99	13.00	11.98	0.016	0.020	63	<u>29.9</u>
AG.1	Ant.E	Body-worn & Hotspot	SRS CW	100	1	5	Rear	518598	2592.99	13.00	11.98	0.060	0.076		<u>24.1</u>
AG.1	Ant.E	Body-worn & Hotspot	SRS CW	100	1	5	Front	518598	2592.99	13.00	11.98	0.005	0.006		34.9
AG.1	Ant.E	Hotspot	SRS CW	100	1	10	Top	518598	2592.99	13.00	11.98	0.018	0.023		29.4
AG.1	Ant.E	Hotspot	SRS CW	100	1	10	Left	518598	2592.99	13.00	11.98	0.000	0.000		N/A

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.E	Head	SRS CW	100	3	0	Right Tilt	518598	2592.99	13.00	11.93	0.011	0.014		<u>31.5</u>
AG.1	Ant.E	Body-worn & Hotspot	SRS CW	100	1	5	Rear	518598	2592.99	13.00	11.93	0.060	0.077		<u>24.1</u>

(SRS4)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.C	Head	SRS CW	100	3	0	Left Touch	518598	2592.99	13.00	12.54	0.000	0.000		N/A
AG.0	Ant.C	Head	SRS CW	100	3	0	Left Tilt	518598	2592.99	13.00	12.54	0.000	0.000		N/A
AG.0	Ant.C	Head	SRS CW	100	3	0	Right Touch	518598	2592.99	13.00	12.54	0.003	0.003		<u>37.7</u>
AG.0	Ant.C	Head	SRS CW	100	3	0	Right Tilt	518598	2592.99	13.00	12.54	0.000	0.000		N/A
AG.0	Ant.C	Body-worn & Hotspot	SRS CW	100	1	5	Rear	518598	2592.99	13.00	12.54	0.137	0.152	64	<u>21.1</u>
AG.0	Ant.C	Body-worn & Hotspot	SRS CW	100	1	5	Front	518598	2592.99	13.00	12.54	0.040	0.044		26.5
AG.0	Ant.C	Hotspot	SRS CW	100	1	10	Left	518598	2592.99	13.00	12.54	0.004	0.004		36.5
AG.0	Ant.C	Hotspot	SRS CW	100	1	10	Bottom	518598	2592.99	13.00	12.54	0.051	0.057		25.4

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.C	Head	SRS CW	100	3	0	Right Touch	518598	2592.99	13.00	12.63	0.000	0.000		N/A
AG.0	Ant.C	Body-worn & Hotspot	SRS CW	100	1	5	Rear	518598	2592.99	13.00	12.63	0.139	0.151		<u>21.1</u>

10.1.31. NR Band n77 (100MHz Bandwidth)**(Voice/data/SRS1)**

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	3	0	Left Touch	662000	3930.00	1	271	19.00	18.54	0.137	0.152		27.1
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	3	0	Left Touch	662000	3930.00	135	138	19.00	18.49	0.128	0.144		27.4
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	3	0	Left Tilt	662000	3930.00	1	271	19.00	18.54	0.134	0.149		27.2
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	3	0	Left Tilt	662000	3930.00	135	138	19.00	18.49	0.125	0.141		27.5
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	3	0	Right Touch	662000	3930.00	1	271	19.00	18.54	0.230	0.256		24.9
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	3	0	Right Touch	662000	3930.00	135	138	19.00	18.49	0.214	0.241		25.1
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	3	0	Right Tilt	633334	3500.01	1	271	19.00	18.26	0.304	0.360		23.4
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	3	0	Right Tilt	633334	3500.01	135	138	19.00	18.44	0.350	0.398	65	22.9
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	3	0	Right Tilt	662000	3930.00	1	271	19.00	18.54	0.322	0.358		23.4
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	3	0	Right Tilt	662000	3930.00	135	138	19.00	18.49	0.303	0.341		23.6
AG.1	Ant.E	Head	CP OFDM QPSK	100	3	0	Right Tilt	633334	3500.01	1	1	19.00	18.44	0.249	0.283		24.4
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Rear	633334	3500.01	1	271	17.00	16.24	0.765	0.911	66	17.4
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Rear	633334	3500.01	135	138	17.00	16.17	0.684	0.828		17.8
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Rear	633334	3500.01	270	0	17.00	16.22	0.711	0.851		17.7
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Rear	650000	3750.00	1	271	17.00	16.43	0.340	0.388		21.1
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Rear	650000	3750.00	135	138	17.00	16.18	0.341	0.412		20.8
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Rear	662000	3930.00	1	271	17.00	16.53	0.503	0.560		19.5
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Rear	662000	3930.00	135	138	17.00	16.19	0.466	0.562		19.5
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Front	662000	3930.00	1	271	17.00	16.53	0.051	0.057		29.4
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	1	5	Front	662000	3930.00	135	138	17.00	16.19	0.066	0.080		27.9
AG.1	Ant.E	Hotspot	DFT-s OFDM QPSK	100	1	10	Top	662000	3930.00	1	271	17.00	16.53	0.260	0.290		22.3
AG.1	Ant.E	Hotspot	DFT-s OFDM QPSK	100	1	10	Top	662000	3930.00	135	138	17.00	16.19	0.251	0.302		22.1
AG.1	Ant.E	Hotspot	DFT-s OFDM QPSK	100	1	10	Left	662000	3930.00	1	271	17.00	16.53	0.050	0.056		29.5
AG.1	Ant.E	Hotspot	DFT-s OFDM QPSK	100	1	10	Left	662000	3930.00	135	138	17.00	16.19	0.000	0.000		N/A
AG.1	Ant.E	Body-worn & Hotspot	CP OFDM QPSK	100	1	5	Rear	633334	3500.01	1	1	17.00	15.65	0.400	0.546		19.6

(SRS2)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A	Head	SRS CW	100	3	0	Left Touch	662000	3930.00	13.00	11.69	0.000	0.000		N/A
AG.0	Ant.A	Head	SRS CW	100	3	0	Left Tilt	662000	3930.00	13.00	11.69	0.000	0.000		N/A
AG.0	Ant.A	Head	SRS CW	100	3	0	Right Touch	633334	3500.01	13.00	12.36	0.005	0.006		35.3
AG.0	Ant.A	Head	SRS CW	100	3	0	Right Touch	662000	3930.00	13.00	11.69	0.006	0.008		33.9
AG.0	Ant.A	Head	SRS CW	100	3	0	Right Tilt	662000	3930.00	13.00	11.69	0.000	0.000		N/A
AG.0	Ant.A	Body-worn & Hotspot	SRS CW	100	1	5	Rear	633334	3500.01	13.00	12.36	0.154	0.178		20.4
AG.0	Ant.A	Body-worn & Hotspot	SRS CW	100	1	5	Rear	662000	3930.00	13.00	11.69	0.158	0.214		19.7
AG.0	Ant.A	Body-worn & Hotspot	SRS CW	100	1	5	Front	662000	3930.00	13.00	11.69	0.012	0.016		30.8
AG.0	Ant.A	Hotspot	SRS CW	100	1	10	Bottom	662000	3930.00	13.00	11.69	0.036	0.049		26.1
AG.0	Ant.A	Hotspot	SRS CW	100	1	10	Right	662000	3930.00	13.00	11.69	0.033	0.045		26.5

(SRS3)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	SRS CW	100	3	0	Left Touch	662000	3930.00	13.00	12.72	0.047	0.050		25.9
AG.1	Ant.F	Head	SRS CW	100	3	0	Left Tilt	662000	3930.00	13.00	12.72	0.040	0.043		26.6
AG.1	Ant.F	Head	SRS CW	100	3	0	Right Touch	633334	3500.01	13.00	11.16	0.035	0.053	67	25.7
AG.1	Ant.F	Head	SRS CW	100	3	0	Right Touch	662000	3930.00	13.00	12.72	0.049	0.052		25.8
AG.1	Ant.F	Head	SRS CW	100	3	0	Right Tilt	662000	3930.00	13.00	12.72	0.040	0.043		26.6
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	100	1	5	Rear	633334	3500.01	13.00	11.16	0.305	0.466		16.3
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	100	1	5	Rear	650000	3750.00	13.00	11.96	0.441	0.560	68	15.5
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	100	1	5	Rear	662000	3930.00	13.00	12.72	0.151	0.161		20.9
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	100	1	5	Front	662000	3930.00	13.00	12.72	0.028	0.030		28.2
AG.1	Ant.F	Hotspot	SRS CW	100	1	10	Top	662000	3930.00	13.00	12.72	0.096	0.102		22.8

(SRS4)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.C	Head	SRS CW	100	3	0	Left Touch	650000	3750.00	13.00	11.89	0.000	0.000		N/A
AG.0	Ant.C	Head	SRS CW	100	3	0	Left Tilt	633334	3500.01	13.00	11.96	0.000	0.000		N/A
AG.0	Ant.C	Head	SRS CW	100	3	0	Left Tilt	650000	3750.00	13.00	11.89	0.001	0.001		41.8
AG.0	Ant.C	Head	SRS CW	100	3	0	Right Touch	650000	3750.00	13.00	11.89	0.000	0.000		N/A
AG.0	Ant.C	Head	SRS CW	100	3	0	Right Tilt	650000	3750.00	13.00	11.89	0.000	0.000		N/A
AG.0	Ant.C	Body-worn & Hotspot	SRS CW	100	1	5	Rear	633334	3500.01	13.00	11.96	0.097	0.123		22.0
AG.0	Ant.C	Body-worn & Hotspot	SRS CW	100	1	5	Rear	650000	3750.00	13.00	11.89	0.129	0.167		20.7
AG.0	Ant.C	Body-worn & Hotspot	SRS CW	100	1	5	Front	650000	3750.00	13.00	11.89	0.008	0.010		32.8
AG.0	Ant.C	Hotspot	SRS CW	100	1	10	Left	650000	3750.00	13.00	11.89	0.002	0.003		38.8
AG.0	Ant.C	Hotspot	SRS CW	100	1	10	Bottom	650000	3750.00	13.00	11.89	0.047	0.061		25.1

10.1.32. Wi-Fi (DTS Band)

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. For the initial test locations, measurements are taken by applying to the Body-worn (Rear & Front) and Hotspot (Edge), respectively.
4. 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).

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Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	802.11b 1Mbps	3	0	Left Touch	6	2437.0	0.106	97.27%	15.50	14.62	0.080	0.101		25.4
AG.1	Ant.D	Head	802.11b 1Mbps	3	0	Left Tilt	6	2437.0	0.066	97.27%	15.50	14.62				
AG.1	Ant.D	Head	802.11b 1Mbps	3	0	Right Touch	6	2437.0	0.030	97.27%	15.50	14.62				
AG.1	Ant.D	Head	802.11b 1Mbps	3	0	Right Tilt	6	2437.0	0.020	97.27%	15.50	14.62				
AG.1	Ant.D	Body-worn & Hotspot	802.11b 1Mbps	1	5	Rear	1	2412.0	1.040	97.27%	18.00	17.63	0.794	0.889		18.5
AG.1	Ant.D	Body-worn & Hotspot	802.11b 1Mbps	1	5	Rear	6	2437.0	1.130	97.27%	18.00	17.61	0.775	0.872		18.5
AG.1	Ant.D	Body-worn & Hotspot	802.11b 1Mbps	1	5	Front	1	2412.0	0.093	97.27%	18.00	17.63	0.071	0.079		28.9
AG.1	Ant.D	Hotspot	802.11b 1Mbps	1	10	Top	1	2412.0	0.044	97.27%	18.00	17.63				
AG.1	Ant.D	Hotspot	802.11b 1Mbps	1	10	Right	1	2412.0	0.270	97.27%	18.00	17.63	0.219	0.245		24.1
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.G	Head	802.11b 1Mbps	3	0	Left Touch	6	2437.0	0.664	97.27%	15.50	14.57				
AG.1	Ant.G	Head	802.11b 1Mbps	3	0	Left Tilt	1	2412.0	0.834	97.27%	15.50	14.25	0.676	0.927		15.8
AG.1	Ant.G	Head	802.11b 1Mbps	3	0	Left Tilt	6	2437.0	0.861	97.27%	15.50	14.57	0.706	0.899		15.9
AG.1	Ant.G	Head	802.11b 1Mbps	3	0	Right Touch	6	2437.0	0.740	97.27%	15.50	14.57	0.538	0.685		17.1
AG.1	Ant.G	Head	802.11b 1Mbps	3	0	Right Tilt	6	2437.0	0.687	97.27%	15.50	14.57				
AG.1	Ant.G	Body-worn & Hotspot	802.11b 1Mbps	1	5	Rear	6	2437.0	0.216	97.27%	18.00	17.37	0.100	0.119		27.2
AG.1	Ant.G	Body-worn & Hotspot	802.11b 1Mbps	1	5	Front	6	2437.0	0.720	97.27%	18.00	17.37	0.633	0.752		19.2
AG.1	Ant.G	Hotspot	802.11b 1Mbps	1	10	Top	6	2437.0	0.381	97.27%	18.00	17.37	0.327	0.389		22.1
AG.1	Ant.G	Hotspot	802.11b 1Mbps	1	10	Right	6	2437.0	0.012	97.27%	18.00	17.37	0.007	0.009		38.5

DTS MIMO

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D+G	Head	802.11b 1Mbps	3	0	Left Touch	1	2412.0	0.734	97.27%	15.50	14.98	14.16	0.632	0.885		16.0
AG.1	Ant.D+G	Head	802.11b 1Mbps	3	0	Left Touch	11	2462.0	0.745	97.27%	15.50	14.84	14.14	0.642	0.903		15.9
AG.1	Ant.D+G	Head	802.11b 1Mbps	3	0	Left Tilt	1	2412.0	0.843	97.27%	15.50	14.98	14.16	0.669	0.936		15.7
AG.1	Ant.D+G	Head	802.11b 1Mbps	3	0	Left Tilt	11	2462.0	0.905	97.27%	15.50	14.84	14.14	0.714	1.004	69	15.4
AG.1	Ant.D+G	Head	802.11b 1Mbps	3	0	Right Touch	1	2412.0	0.531	97.27%	15.50	14.98	14.16	0.510	0.714		16.9
AG.1	Ant.D+G	Head	802.11b 1Mbps	3	0	Right Tilt	1	2412.0	0.634	97.27%	15.50	14.98	14.16	0.560	0.784		16.5
AG.1	Ant.D+G	Body-worn & Hotspot	802.11b 1Mbps	1	5	Rear	11	2462.0	0.757	97.27%	18.00	17.62	17.24	0.626	0.767		19.1
AG.1	Ant.D+G	Body-worn & Hotspot	802.11b 1Mbps	1	5	Front	1	2412.0	0.728	97.27%	18.00	17.57	17.08	0.630	0.800		18.9
AG.1	Ant.D+G	Body-worn & Hotspot	802.11b 1Mbps	1	5	Front	11	2462.0	1.100	97.27%	18.00	17.62	17.24	0.778	0.953	70	18.2
AG.1	Ant.D+G	Hotspot	802.11b 1Mbps	1	10	Top	11	2462.0	0.381	97.27%	18.00	17.62	17.24	0.330	0.404		21.9
AG.1	Ant.D+G	Hotspot	802.11b 1Mbps	1	10	Right	11	2462.0	0.270	97.27%	18.00	17.62	17.24	0.181	0.222		24.5

10.1.33. Wi-Fi (U-NII Bands)

- 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.
- For the initial test locations, measurements are taken by applying to the Body-worn (Rear & Front) and Hotspot (Edge), respectively.
- 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).
- UNII-1 Hotspot mode is included in UNII-2A's Body SAR results

U-NII 2A SISO

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plmit
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	3	0	Left Touch	58	5290.0	0.229	94.26%	16.00	15.57						
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	3	0	Left Tilt	58	5290.0	0.291	94.26%	16.00	15.57	0.200	0.234				22.3
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	3	0	Right Touch	58	5290.0	0.195	94.26%	16.00	15.57						
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	3	0	Right Tilt	58	5290.0	0.216	94.26%	16.00	15.57						
AG.1	Ant.E	Body-worn & Hotspot	802.11ac VHT80 MCS0	1	5	Rear	58	5290.0	0.485	94.26%	14.00	12.94	0.194	0.263				19.8
AG.1	Ant.E	Body-worn & Hotspot	802.11ac VHT80 MCS0	1	5	Front	58	5290.0	0.073	94.26%	14.00	12.94						
AG.1	Ant.E	Hotspot	802.11ac VHT80 MCS0	1	10	Top	58	5290.0	0.146	94.26%	14.00	12.94	0.126	0.171				21.6
AG.1	Ant.E	Hotspot	802.11ac VHT80 MCS0	1	10	Left	58	5290.0	0.026	94.26%	14.00	12.94						
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Top	58	5290.0	2.370	94.26%	14.00	12.94			0.707	0.957		18.1
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Left	58	5290.0	0.095	94.26%	14.00	12.94						
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plmit
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	3	0	Left Touch	58	5290.0	0.230	94.26%	16.00	15.61						
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	3	0	Left Tilt	58	5290.0	0.257	94.26%	16.00	15.61						
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	3	0	Right Touch	58	5290.0	0.209	94.26%	16.00	15.61						
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	3	0	Right Tilt	58	5290.0	0.259	94.26%	16.00	15.61	0.178	0.207				22.8
AG.1	Ant.D	Body-worn & Hotspot	802.11ac VHT80 MCS0	1	5	Rear	58	5290.0	0.509	94.26%	14.00	12.68	0.210	0.302				19.2
AG.1	Ant.D	Body-worn & Hotspot	802.11ac VHT80 MCS0	1	5	Front	58	5290.0	0.046	94.26%	14.00	12.68						
AG.1	Ant.D	Hotspot	802.11ac VHT80 MCS0	1	10	Top	58	5290.0	0.272	94.26%	14.00	12.68	0.205	0.295				19.3
AG.1	Ant.D	Hotspot	802.11ac VHT80 MCS0	1	10	Right	58	5290.0	0.044	94.26%	14.00	12.68						
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Top	58	5290.0	3.000	94.26%	14.00	12.68			0.737	1.060		17.7
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Right	58	5290.0	0.570	94.26%	14.00	12.68			0.178	0.256		23.8

U-NII 2A MIMO

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plmit
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	3	0	Left Touch	58	5290.0	0.248	94.26%	16.00	15.42	15.56						
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	3	0	Left Tilt	58	5290.0	0.271	94.26%	16.00	15.42	15.56	0.195	0.236			71	22.2
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	3	0	Right Touch	58	5290.0	0.225	94.26%	16.00	15.42	15.56						
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	3	0	Right Tilt	58	5290.0	0.265	94.26%	16.00	15.42	15.56						
AG.1	Ant.D+E	Body-worn & Hotspot	802.11ac VHT80 MCS0	1	5	Rear	58	5290.0	0.686	94.26%	14.00	12.75	12.98	0.281	0.398			72	18.0
AG.1	Ant.D+E	Body-worn & Hotspot	802.11ac VHT80 MCS0	1	5	Front	58	5290.0	0.076	94.26%	14.00	12.75	12.98						
AG.1	Ant.D+E	Hotspot	802.11ac VHT80 MCS0	1	10	Top	58	5290.0	0.178	94.26%	14.00	12.75	12.98	0.085	0.120				23.1
AG.1	Ant.D+E	Hotspot	802.11ac VHT80 MCS0	1	10	Left	58	5290.0	0.036	94.26%	14.00	12.75	12.98						
AG.1	Ant.D+E	Hotspot	802.11ac VHT80 MCS0	1	10	Right	58	5290.0	0.081	94.26%	14.00	12.75	12.98						
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Top	58	5290.0	2.680	94.26%	14.00	12.75	12.98			0.827	1.170	73	17.2
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Left	58	5290.0	0.172	94.26%	14.00	12.75	12.98						
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Right	58	5290.0	0.546	94.26%	14.00	12.75	12.98			0.169	0.239		24.1

U-NII 2C SISO

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	3	0	Left Touch	106	5530.0	0.441	94.26%	16.00	15.68						
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	3	0	Left Tilt	106	5530.0	0.511	94.26%	16.00	15.68	0.322	0.368				20.3
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	3	0	Right Touch	106	5530.0	0.487	94.26%	16.00	15.68						
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	3	0	Right Tilt	106	5530.0	0.527	94.26%	16.00	15.68	0.393	0.449				19.4
AG.1	Ant.E	Body-worn	802.11ac VHT80 MCS0	1	5	Rear	106	5530.0	0.623	94.26%	14.00	13.23	0.274	0.347			74	18.5
AG.1	Ant.E	Body-worn	802.11ac VHT80 MCS0	1	5	Front	106	5530.0	0.206	94.26%	14.00	13.23						23.5
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Top	106	5530.0	1.580	94.26%	14.00	13.23			0.487	0.617		20.0
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Left	106	5530.0	0.088	94.26%	14.00	13.23						
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	3	0	Left Touch	138	5690.0	0.204	94.26%	16.00	15.58						
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	3	0	Left Tilt	138	5690.0	0.236	94.26%	16.00	15.58	0.174	0.203				22.9
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	3	0	Right Touch	138	5690.0	0.154	94.26%	16.00	15.58						
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	3	0	Right Tilt	138	5690.0	0.167	94.26%	16.00	15.58						
AG.1	Ant.D	Body-worn	802.11ac VHT80 MCS0	1	5	Rear	122	5610.0	0.438	94.26%	14.00	12.93	0.124	0.168				21.7
AG.1	Ant.D	Body-worn	802.11ac VHT80 MCS0	1	5	Front	122	5610.0	0.062	94.26%	14.00	12.93						
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Top	122	5610.0	3.750	94.26%	14.00	12.93			0.832	1.129	75	17.4
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Right	122	5610.0	0.815	94.26%	14.00	12.93			0.243	0.330		22.7

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Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	3	0	Left Touch	106	5530.0	0.438	94.26%	16.00	15.56	15.42						
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	3	0	Left Tilt	106	5530.0	0.557	94.26%	16.00	15.56	15.42	0.373	0.452				19.4
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	3	0	Right Touch	106	5530.0	0.468	94.26%	16.00	15.56	15.42						
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	3	0	Right Tilt	106	5530.0	0.644	94.26%	16.00	15.56	15.42	0.444	0.538			76	18.6
AG.1	Ant.D+E	Body-worn	802.11ac VHT80 MCS0	1	5	Rear	122	5610.0	0.591	94.26%	14.00	13.07	12.76	0.235	0.332				18.7
AG.1	Ant.D+E	Body-worn	802.11ac VHT80 MCS0	1	5	Front	122	5610.0	0.208	94.26%	14.00	13.07	12.76						
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Top	122	5610.0	1.810	94.26%	14.00	13.07	12.76			0.566	0.799		18.9
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Left	122	5610.0	0.093	94.26%	14.00	13.07	12.76						
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Right	122	5610.0	0.752	94.26%	14.00	13.07	12.76						

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Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	3	0	Left Touch	155	5775.0	0.463	94.26%	16.00	15.70				
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	3	0	Left Tilt	155	5775.0	0.620	94.26%	16.00	15.70				
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	3	0	Right Touch	155	5775.0	0.629	94.26%	16.00	15.70	0.556	0.632		17.9
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	3	0	Right Tilt	155	5775.0	0.803	94.26%	16.00	15.70	0.637	0.724		17.4
AG.1	Ant.E	Body-w orn & Hotspot	802.11ac VHT80 MCS0	1	5	Rear	155	5775.0	0.440	94.26%	14.00	12.86	0.343	0.473	77	17.2
AG.1	Ant.E	Body-w orn & Hotspot	802.11ac VHT80 MCS0	1	5	Front	155	5775.0	0.172	94.26%	14.00	12.86	0.134	0.185		21.3
AG.1	Ant.E	Hotspot	802.11ac VHT80 MCS0	1	10	Top	155	5775.0	0.360	94.26%	14.00	12.86	0.287	0.396		18.0
AG.1	Ant.E	Hotspot	802.11ac VHT80 MCS0	1	10	Left	155	5775.0	0.078	94.26%	14.00	12.86				
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	3	0	Left Touch	155	5775.0	0.292	94.26%	16.00	15.54				
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	3	0	Left Tilt	155	5775.0	0.370	94.26%	16.00	15.54	0.284	0.335		20.7
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	3	0	Right Touch	155	5775.0	0.210	94.26%	16.00	15.54				
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	3	0	Right Tilt	155	5775.0	0.248	94.26%	16.00	15.54				
AG.1	Ant.D	Body-w orn & Hotspot	802.11ac VHT80 MCS0	1	5	Rear	155	5775.0	0.243	94.26%	14.00	13.08	0.174	0.228		20.4
AG.1	Ant.D	Body-w orn & Hotspot	802.11ac VHT80 MCS0	1	5	Front	155	5775.0	0.078	94.26%	14.00	13.08				
AG.1	Ant.D	Hotspot	802.11ac VHT80 MCS0	1	10	Top	155	5775.0	0.181	94.26%	14.00	13.08	0.065	0.085		24.6
AG.1	Ant.D	Hotspot	802.11ac VHT80 MCS0	1	10	Right	155	5775.0	0.136	94.26%	14.00	13.08				

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Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	3	0	Left Touch	155	5775.0	0.666	94.26%	16.00	15.56	14.83				
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	3	0	Left Tilt	155	5775.0	0.759	94.26%	16.00	15.56	14.83	0.524	0.728		17.3
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	3	0	Right Touch	155	5775.0	0.802	94.26%	16.00	15.56	14.83	0.658	0.914		16.3
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	3	0	Right Tilt	155	5775.0	0.965	94.26%	16.00	15.56	14.83	0.669	0.929	78	16.3
AG.1	Ant.D+E	Body-w orn & Hotspot	802.11ac VHT80 MCS0	1	5	Rear	155	5775.0	0.771	94.26%	14.00	13.19	12.82	0.271	0.377		18.2
AG.1	Ant.D+E	Body-w orn & Hotspot	802.11ac VHT80 MCS0	1	5	Front	155	5775.0	0.208	94.26%	14.00	13.19	12.82				
AG.1	Ant.D+E	Hotspot	802.11ac VHT80 MCS0	1	10	Top	155	5775.0	0.253	94.26%	14.00	13.19	12.82	0.104	0.145		22.3
AG.1	Ant.D+E	Hotspot	802.11ac VHT80 MCS0	1	10	Left	155	5775.0	0.077	94.26%	14.00	13.19	12.82				
AG.1	Ant.D+E	Hotspot	802.11ac VHT80 MCS0	1	10	Right	155	5775.0	0.175	94.26%	14.00	13.19	12.82				

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Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	3	0	Left Touch	171	5855.0	0.779	94.26%	16.00	15.21	0.525	0.668				17.7
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	3	0	Left Tilt	171	5855.0	0.733	94.26%	16.00	15.21						
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	3	0	Right Touch	171	5855.0	0.793	94.26%	16.00	15.21	0.612	0.779				17.0
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	3	0	Right Tilt	171	5855.0	0.828	94.26%	16.00	15.21	0.638	0.812				16.9
AG.1	Ant.E	Body-worn	802.11ac VHT80 MCS0	1	5	Rear	171	5855.0	0.419	94.26%	14.00	12.83	0.331	0.460				17.3
AG.1	Ant.E	Body-worn	802.11ac VHT80 MCS0	1	5	Front	171	5855.0	0.194	94.26%	14.00	12.83	0.144	0.200				20.9
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Top	171	5855.0	4.480	94.26%	14.00	12.83			1.080	1.500	79	16.2
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Left	171	5855.0	0.143	94.26%	14.00	12.83			0.041	0.057		30.4
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	3	0	Left Touch	171	5855.0	0.165	94.26%	16.00	15.44						
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	3	0	Left Tilt	171	5855.0	0.215	94.26%	16.00	15.44	0.158	0.191				23.1
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	3	0	Right Touch	171	5855.0	0.122	94.26%	16.00	15.44						
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	3	0	Right Tilt	171	5855.0	0.153	94.26%	16.00	15.44						
AG.1	Ant.D	Body-worn	802.11ac VHT80 MCS0	1	5	Rear	171	5855.0	0.240	94.26%	14.00	12.94	0.188	0.255				19.9
AG.1	Ant.D	Body-worn	802.11ac VHT80 MCS0	1	5	Front	171	5855.0	0.075	94.26%	14.00	12.94						25.3
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Top	171	5855.0	3.850	94.26%	14.00	12.94			0.709	0.960		18.1
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Right	171	5855.0	1.580	94.26%	14.00	12.94						

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Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	3	0	Left Touch	171	5855.0	0.651	94.26%	16.00	15.52	15.21	0.475	0.604				18.1
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	3	0	Left Tilt	171	5855.0	0.640	94.26%	16.00	15.52	15.21						
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	3	0	Right Touch	171	5855.0	0.699	94.26%	16.00	15.52	15.21	0.622	0.792				17.0
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	3	0	Right Tilt	171	5855.0	0.948	94.26%	16.00	15.52	15.21	0.715	0.910			80	16.4
AG.1	Ant.D+E	Body-worn	802.11ac VHT80 MCS0	1	5	Rear	171	5855.0	0.485	94.26%	14.00	13.07	12.62	0.337	0.491			81	17.0
AG.1	Ant.D+E	Body-worn	802.11ac VHT80 MCS0	1	5	Front	171	5855.0	0.248	94.26%	14.00	13.07	12.62	0.077	0.112				23.4
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Top	171	5855.0	4.700	94.26%	14.00	13.07	12.62			0.709	1.034		17.8
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Left	171	5855.0	0.138	94.26%	14.00	13.07	12.62						
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Right	171	5855.0	1.510	94.26%	14.00	13.07	12.62			0.458	0.668		19.7

10.1.34. Wi-Fi (U-NII 6 GHz Bands)

- 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).

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Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.E	Head	802.11be BHT320 MCS0	3	0	Left Touch	159	6745.0	0.101	99.18%	12.50	11.56						
AG.1	Ant.E	Head	802.11be BHT320 MCS0	3	0	Left Tilt	31	6105.0	0.073	99.18%	12.50	11.55	0.074	0.093				22.8
AG.1	Ant.E	Head	802.11be BHT320 MCS0	3	0	Left Tilt	63	6265.0	0.044	99.18%	12.50	11.29	0.042	0.056				25.0
AG.1	Ant.E	Head	802.11be BHT320 MCS0	3	0	Left Tilt	127	6585.0	0.032	99.18%	12.50	11.35	0.002	0.003				38.3
AG.1	Ant.E	Head	802.11be BHT320 MCS0	3	0	Left Tilt	159	6745.0	0.159	99.18%	12.50	11.56	0.086	0.108				22.1
AG.1	Ant.E	Head	802.11be BHT320 MCS0	3	0	Left Tilt	191	6905.0	0.043	99.18%	12.50	11.37	0.005	0.007				34.3
AG.1	Ant.E	Head	802.11be BHT320 MCS0	3	0	Right Touch	159	6745.0	0.109	99.18%	12.50	11.56						
AG.1	Ant.E	Head	802.11be BHT320 MCS0	3	0	Right Tilt	159	6745.0	0.115	99.18%	12.50	11.56						
AG.1	Ant.E	Body-w orn & Hotspot	802.11be BHT320 MCS0	1	5	Rear	31	6105.0	0.132	99.18%	12.50	11.55	0.115	0.144				20.9
AG.1	Ant.E	Body-w orn & Hotspot	802.11be BHT320 MCS0	1	5	Rear	63	6265.0	0.101	99.18%	12.50	11.29	0.073	0.097				22.6
AG.1	Ant.E	Body-w orn & Hotspot	802.11be BHT320 MCS0	1	5	Rear	127	6585.0	0.264	99.18%	12.50	11.35	0.165	0.217				19.1
AG.1	Ant.E	Body-w orn & Hotspot	802.11be BHT320 MCS0	1	5	Rear	159	6745.0	0.305	99.18%	12.50	11.56	0.206	0.258				18.3
AG.1	Ant.E	Body-w orn & Hotspot	802.11be BHT320 MCS0	1	5	Rear	191	6905.0	0.307	99.18%	12.50	11.37	0.210	0.275				18.1
AG.1	Ant.E	Body-w orn & Hotspot	802.11be BHT320 MCS0	1	5	Front	159	6745.0	0.058	99.18%	12.50	11.56						
AG.1	Ant.E	Hotspot	802.11be BHT320 MCS0	1	10	Top	159	6745.0	0.071	99.18%	12.50	11.56						
AG.1	Ant.E	Hotspot	802.11be BHT320 MCS0	1	10	Left	159	6745.0	0.038	99.18%	12.50	11.56						
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be BHT320 MCS0	1	0	Rear	159	6745.0	1.100	99.18%	12.50	11.56						
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be BHT320 MCS0	1	0	Front	159	6745.0	0.400	99.18%	12.50	11.56						
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be BHT320 MCS0	1	0	Top	31	6105.0	0.762	99.18%	12.50	11.55			0.180	0.226		22.9
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be BHT320 MCS0	1	0	Top	63	6265.0	0.871	99.18%	12.50	11.29			0.145	0.193		23.6
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be BHT320 MCS0	1	0	Top	127	6585.0	1.580	99.18%	12.50	11.35			0.244	0.321		21.4
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be BHT320 MCS0	1	0	Top	159	6745.0	1.760	99.18%	12.50	11.56			0.312	0.391		20.5
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be BHT320 MCS0	1	0	Top	191	6905.0	1.100	99.18%	12.50	11.37			0.230	0.301		21.6
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be BHT320 MCS0	1	0	Left	159	6745.0	0.052	99.18%	12.50	11.56						
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	802.11be BHT320 MCS0	3	0	Left Touch	191	6905.0	0.101	99.18%	12.50	11.66						
AG.1	Ant.D	Head	802.11be BHT320 MCS0	3	0	Left Tilt	191	6905.0	0.077	99.18%	12.50	11.66						
AG.1	Ant.D	Head	802.11be BHT320 MCS0	3	0	Right Touch	31	6105.0	0.063	99.18%	12.50	11.62	0.000	0.000				
AG.1	Ant.D	Head	802.11be BHT320 MCS0	3	0	Right Touch	63	6265.0	0.047	99.18%	12.50	11.18	0.015	0.020				29.3
AG.1	Ant.D	Head	802.11be BHT320 MCS0	3	0	Right Touch	127	6585.0	0.051	99.18%	12.50	11.34	0.015	0.020				29.5
AG.1	Ant.D	Head	802.11be BHT320 MCS0	3	0	Right Touch	159	6745.0	0.063	99.18%	12.50	11.35	0.018	0.024				28.7
AG.1	Ant.D	Head	802.11be BHT320 MCS0	3	0	Right Touch	191	6905.0	0.151	99.18%	12.50	11.66	0.018	0.022				29.0
AG.1	Ant.D	Head	802.11be BHT320 MCS0	3	0	Right Tilt	191	6905.0	0.104	99.18%	12.50	11.66						
AG.1	Ant.D	Body-w orn & Hotspot	802.11be BHT320 MCS0	1	5	Rear	31	6105.0	0.174	99.18%	12.50	11.62	0.121	0.149				20.7
AG.1	Ant.D	Body-w orn & Hotspot	802.11be BHT320 MCS0	1	5	Rear	63	6265.0	0.211	99.18%	12.50	11.18	0.141	0.193				19.6
AG.1	Ant.D	Body-w orn & Hotspot	802.11be BHT320 MCS0	1	5	Rear	127	6585.0	0.186	99.18%	12.50	11.34	0.153	0.202				19.4
AG.1	Ant.D	Body-w orn & Hotspot	802.11be BHT320 MCS0	1	5	Rear	159	6745.0	0.175	99.18%	12.50	11.35	0.126	0.166				20.3
AG.1	Ant.D	Body-w orn & Hotspot	802.11be BHT320 MCS0	1	5	Rear	191	6905.0	0.227	99.18%	12.50	11.66	0.184	0.225				18.9
AG.1	Ant.D	Body-w orn & Hotspot	802.11be BHT320 MCS0	1	5	Front	191	6905.0	0.058	99.18%	12.50	11.66						
AG.1	Ant.D	Hotspot	802.11be BHT320 MCS0	1	10	Top	191	6905.0	0.059	99.18%	12.50	11.66						
AG.1	Ant.D	Hotspot	802.11be BHT320 MCS0	1	10	Right	191	6905.0	0.026	99.18%	12.50	11.66						
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be BHT320 MCS0	1	0	Rear	191	6905.0	1.210	99.18%	12.50	11.66						
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be BHT320 MCS0	1	0	Front	191	6905.0	0.142	99.18%	12.50	11.66						
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be BHT320 MCS0	1	0	Top	31	6105.0	0.989	99.18%	12.50	11.62			0.152	0.188		23.7
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be BHT320 MCS0	1	0	Top	63	6265.0	0.838	99.18%	12.50	11.18			0.138	0.189		23.7
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be BHT320 MCS0	1	0	Top	127	6585.0	1.780	99.18%	12.50	11.34			0.245	0.323		21.3
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be BHT320 MCS0	1	0	Top	159	6745.0	2.220	99.18%	12.50	11.35			0.314	0.413		20.3
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be BHT320 MCS0	1	0	Top	191	6905.0	1.660	99.18%	12.50	11.66			0.250	0.306		21.6
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be BHT320 MCS0	1	0	Right	191	6905.0	0.424	99.18%	12.50	11.66						

Wi-Fi (U-NII 6 GHz Band) (Continued)**U-NII 5/6/7/8 MIMO**

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Limit
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	3	0	Left Touch	63	6265.0	0.174	99.18%	12.50	11.76	11.69						
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	3	0	Left Tilt	31	6105.0	0.099	99.18%	12.50	11.53	11.57	0.108	0.136			82	21.1
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	3	0	Left Tilt	63	6265.0	0.213	99.18%	12.50	11.76	11.69	0.074	0.090				22.9
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	3	0	Left Tilt	127	6585.0	0.108	99.18%	12.50	11.39	11.51	0.064	0.083				23.2
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	3	0	Left Tilt	159	6745.0	0.123	99.18%	12.50	11.30	11.74	0.068	0.090				22.9
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	3	0	Left Tilt	191	6905.0	0.112	99.18%	12.50	11.02	11.41	0.062	0.088				23.0
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	3	0	Right Touch	63	6265.0	0.191	99.18%	12.50	11.76	11.69						
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	3	0	Right Tilt	63	6265.0	0.125	99.18%	12.50	11.76	11.69						
AG.1	Ant.D+E	Body-w or n & Hotspot	802.11be EHT320 MCS0	1	5	Rear	31	6105.0	0.305	99.18%	12.50	11.53	11.57	0.224	0.282				17.9
AG.1	Ant.D+E	Body-w or n & Hotspot	802.11be EHT320 MCS0	1	5	Rear	63	6265.0	0.309	99.18%	12.50	11.76	11.69	0.240	0.292			83	17.8
AG.1	Ant.D+E	Body-w or n & Hotspot	802.11be EHT320 MCS0	1	5	Rear	127	6585.0	0.254	99.18%	12.50	11.39	11.51	0.189	0.246				18.5
AG.1	Ant.D+E	Body-w or n & Hotspot	802.11be EHT320 MCS0	1	5	Rear	159	6745.0	0.258	99.18%	12.50	11.30	11.74	0.194	0.258				18.3
AG.1	Ant.D+E	Body-w or n & Hotspot	802.11be EHT320 MCS0	1	5	Rear	191	6905.0	0.158	99.18%	12.50	11.02	11.41	0.133	0.189				19.7
AG.1	Ant.D+E	Body-w or n & Hotspot	802.11be EHT320 MCS0	1	5	Front	63	6265.0	0.049	99.18%	12.50	11.76	11.69						
AG.1	Ant.D+E	Hotspot	802.11be EHT320 MCS0	1	10	Top	63	6265.0	0.036	99.18%	12.50	11.76	11.69						
AG.1	Ant.D+E	Hotspot	802.11be EHT320 MCS0	1	10	Left	63	6265.0	0.032	99.18%	12.50	11.76	11.69						
AG.1	Ant.D+E	Hotspot	802.11be EHT320 MCS0	1	10	Right	63	6265.0	0.032	99.18%	12.50	11.76	11.69						
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Rear	63	6265.0	1.010	99.18%	12.50	11.76	11.69						22.7
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Front	63	6265.0	0.618	99.18%	12.50	11.76	11.69						26.6
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	31	6105.0	1.000	99.18%	12.50	11.53	11.57			0.186	0.234		22.7
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	63	6265.0	1.060	99.18%	12.50	11.76	11.69			0.194	0.236		22.7
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	127	6585.0	2.230	99.18%	12.50	11.39	11.51			0.341	0.444		20.0
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	159	6745.0	2.550	99.18%	12.50	11.30	11.74			0.328	0.436		20.0
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	191	6905.0	2.130	99.18%	12.50	11.02	11.41			0.319	0.452	84	19.9
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Left	63	6265.0	0.051	99.18%	12.50	11.76	11.69						42.6
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Right	63	6265.0	0.628	99.18%	12.50	11.76	11.69						23.9

10.1.35. Bluetooth

Bluetooth SISO SAR results

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	BLE	3	0	Left Touch	37	2402.0	85.03%	14.00	12.52	0.051	0.073		<u>25.3</u>
AG.1	Ant.D	Head	BLE	3	0	Left Tilt	37	2402.0	85.03%	14.00	12.52	0.033	0.047		27.2
AG.1	Ant.D	Head	BLE	3	0	Right Touch	37	2402.0	85.03%	14.00	12.52	0.016	0.023		30.3
AG.1	Ant.D	Head	BLE	3	0	Right Tilt	37	2402.0	85.03%	14.00	12.52	0.019	0.027		29.6
AG.1	Ant.D	Body-w orn & Hotspot	BLE	1	5	Rear	37	2402.0	85.03%	17.00	16.94	0.794	0.824		<u>17.8</u>
AG.1	Ant.D	Body-w orn & Hotspot	BLE	1	5	Rear	17	2440.0	85.03%	17.00	16.62	0.565	0.631		19.0
AG.1	Ant.D	Body-w orn & Hotspot	BLE	1	5	Rear	39	2480.0	85.03%	17.00	16.82	0.775	0.826		<u>17.8</u>
AG.1	Ant.D	Body-w orn & Hotspot	BLE	1	5	Front	37	2402.0	85.03%	17.00	16.94	0.070	0.073		28.3
AG.1	Ant.D	Hotspot	BLE	1	10	Top	37	2402.0	85.03%	17.00	16.94	0.032	0.033		31.7
AG.1	Ant.D	Hotspot	BLE	1	10	Right	37	2402.0	85.03%	17.00	16.94	0.308	0.320		21.9
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.G	Head	BLE	3	0	Left Touch	17	2440.0	85.03%	14.00	13.61	0.694	0.777		<u>15.0</u>
AG.1	Ant.G	Head	BLE	3	0	Left Tilt	17	2440.0	85.03%	14.00	13.61	0.521	0.583		16.3
AG.1	Ant.G	Head	BLE	3	0	Right Touch	17	2440.0	85.03%	14.00	13.61	0.603	0.675		15.7
AG.1	Ant.G	Head	BLE	3	0	Right Tilt	17	2440.0	85.03%	14.00	13.61	0.705	0.789		<u>15.0</u>
AG.1	Ant.G	Body-w orn & Hotspot	BLE	1	5	Rear	37	2402.0	85.03%	17.00	16.81	0.188	0.201		23.9
AG.1	Ant.G	Body-w orn & Hotspot	BLE	1	5	Front	37	2402.0	85.03%	17.00	16.81	0.850	0.909		17.4
AG.1	Ant.G	Body-w orn & Hotspot	BLE	1	5	Front	17	2440.0	85.03%	17.00	16.69	0.667	0.733		18.3
AG.1	Ant.G	Body-w orn & Hotspot	BLE	1	5	Front	39	2480.0	85.03%	17.00	15.99	0.803	1.037	86	<u>16.8</u>
AG.1	Ant.G	Hotspot	BLE	1	10	Top	37	2402.0	85.03%	17.00	16.81	0.421	0.450		20.4
AG.1	Ant.G	Hotspot	BLE	1	10	Right	37	2402.0	85.03%	17.00	16.81	0.021	0.022		33.4

Bluetooth MIMO(Dual) SAR results

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D+G	Head	BDR	3	0	Left Touch	0	2402.0	76.61%	14.00	12.70	13.47	0.318	0.442		17.5
AG.1	Ant.D+G	Head	BDR	3	0	Left Tilt	0	2402.0	76.61%	14.00	12.70	13.47	0.455	0.633		<u>15.9</u>
AG.1	Ant.D+G	Head	BDR	3	0	Right Touch	0	2402.0	76.61%	14.00	12.70	13.47	0.376	0.523		16.8
AG.1	Ant.D+G	Head	BDR	3	0	Right Tilt	0	2402.0	76.61%	14.00	12.70	13.47	0.355	0.494		17.0
AG.1	Ant.D+G	Body-w orn & Hotspot	BDR	1	5	Rear	0	2402.0	76.61%	14.50	13.43	14.45	0.175	0.231		20.8
AG.1	Ant.D+G	Body-w orn & Hotspot	BDR	1	5	Front	0	2402.0	76.61%	14.50	13.43	14.45	0.074	0.098		24.6
AG.1	Ant.D+G	Hotspot	BDR	1	10	Top	0	2402.0	76.61%	14.50	13.43	14.45	0.199	0.263		<u>20.3</u>
AG.1	Ant.D+G	Hotspot	BDR	1	10	Right	0	2402.0	76.61%	14.50	13.43	14.45	0.055	0.073		25.8

10.1.36. NFC

Antenna Group	Antenna	RF Exposure Conditions	Distance (mm)	Test Position	Type/Bitrate	Frequency (MHz)	Measured SAR 10-g (W/kg)	Plot No.
ER	NFC	Product Specific 10-g 0 mm	0	Rear	A type / 106	13.56	0.014	87
ER	NFC	Product Specific 10-g 0 mm	0	Front	A type / 106	13.56	0.000	
ER	NFC	Product Specific 10-g 0 mm	0	Top	A type / 106	13.56	0.000	
ER	NFC	Product Specific 10-g 0 mm	0	Left	A type / 106	13.56	0.000	

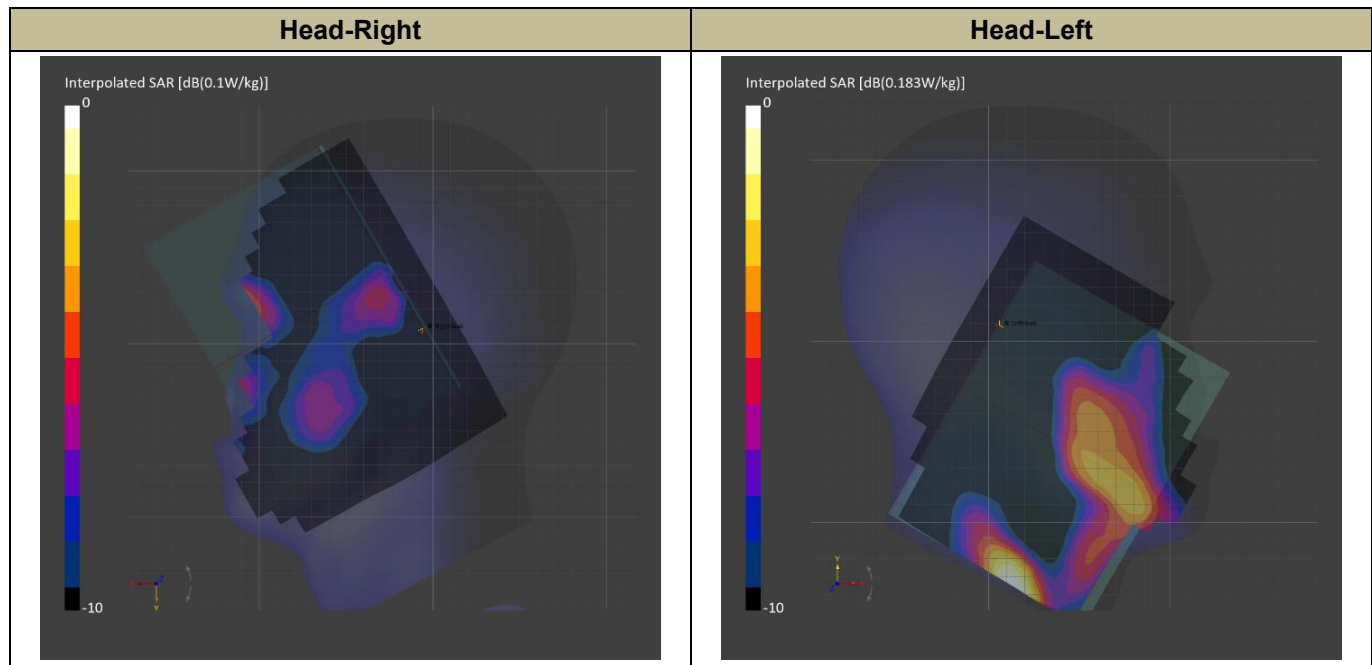
10.1.37. UWB

Antenna Group	Antenna	RF Exposure Conditions	Mode	Distance (mm)	Test Position	Channel	Frequency (MHz)	Measured SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Plot No.
ER	UWB	Product Specific 10-g 0 mm	CW	0	Rear	5	6489.6	0.002	0.000	
ER	UWB	Product Specific 10-g 0 mm	CW	0	Rear	9	7987.2	0.005	0.002	
ER	UWB	Product Specific 10-g 0 mm	CW	0	Front	5	6489.6	0.003	0.001	
ER	UWB	Product Specific 10-g 0 mm	CW	0	Front	9	7987.2	0.006	0.003	88
ER	UWB	Product Specific 10-g 0 mm	CW	0	Top	5	6489.6		0.002	
ER	UWB	Product Specific 10-g 0 mm	CW	0	Top	9	7987.2		0.002	

10.2. Folder Open SAR Results

Justification for using Flat Phantom Measuring Folder Open Head SAR

Due to the EUT with antenna located near the bottom and lower side edges near the mouth and jaw regions. The following head SAR plot is provided to show the measurements with truncated SAR distributions in the head measured with the SAM Phantom.



The following procedure was applied (KDB 648474 D04 Handset SAR):

- The phone was positioned with a separation distance of ≤ 4 mm between the ear reference point (ERP) and the outer surface of the flat phantom shell.
- While maintaining this distance at the ERP location of the phone, the low (bottom) edge of the phone is lowered from the phantom to establish the same separation distance at the peak SAR location identified by the truncated partial SAR distribution measured with the SAM phantom.
- The distance from the peak SAR location to the phone should be determined by the straight line passing perpendicularly through the phantom surface.

Antenna Group	Antenna	Techs	Left Touch/Tilt Peak SAR location (x,y-axis) (mm)	Peak location (Z-axis) (mm)	Head SAR test distance of DUT's Bottom in Flat phantom (mm)	Right Touch/Tilt Peak SAR location (x,y-axis) (mm)	Peak location (Z-axis) (mm)	Head SAR test distance of DUT's Bottom in Flat phantom (mm)	Minimum Head SAR test distance of DUT's Bottom in Flat phantom (mm)
AG0	Ant.A	NR Band n48 SRS2	98.1	14.5	17.3	83.6	31.7	45.1	17.3
		NR Band n77 (78) SRS2	91.9	10.7	13.0	19.3	5.3	12.3	12.3
	Ant.B	GSM 1900	84.9	6.1	7.1				7
		LTE Band 66 (4)	76.7	6.5	8.0				8.0
		LTE Band 25 (2)	74.0	5.8	7.0				7.0
		LTE Band 30	80.2	5.8	6.8	82.1	27.8	39.9	6.8
		LTE Band 7	77.3	5.2	5.9				5.9
		LTE Band 41 (38)	79.2	5.6	6.5				6.5
		NR Band n7	77.3	5.2	5.9	81.7	27.2	39.2	5.9
		NR Band n66	76.7	6.5	8.0				8.0
		NR Band n25 (2)	74.3	6.0	7.3				7.3
		NR Band n30	78.2	5.4	6.2	81.9	27.5	39.5	6.2
		NR Band n70	71.2	5.5	6.6				6.6
		NR Bn41 (38) SRS2	75.3	6.5	8.1				8.1
	Ant.C	NR Bn41 (38) SRS4	75.3	6.5	8.9				8.9
		NR Bn48 SRS4	113.4	21.7	23.3	16.5	5.2	13.0	13.0
		NR Band n77 (78) SRS4	112.2	21.1	22.9	19.8	6.6	20.3	20.3
AG1	Ant.D	Bluetooth Ant.1	28.8	21.1	77.6				25
		6GHz WLAN Ant.2	27.1	10.3	32.8				25
	Ant.F	LTE Band 41 (38)	24.5	20.5	87.4				85
		WCDMA Band 4	12.3	4.9	13.0				13
		WCDMA Band 2	39.1	7.8	16.0				15
		LTE Band 30	34.9	11.6	31.0				25
		NR Band n30	31.8	14.6	45.3				
		LTE Band 7	35.7	11.2	29.0				
		NR Band n7	35.7	11.2	29.0				85
		NR Bn41 (38) SRS1	24.9	20.3	85.0				

Note:

1. Since the measurement results from the Head phantom could not be measured, the peak SAR location of the measurement results from the Head phantom was checked to determine the separation distance from the final Flat phantom.
2. In the case of the AG0, since the distance measured at the Body Rear 5mm SAR is more conservative than the distance verified in Justification, the Head measurement was replaced with Rear 5mm SAR data. (However, as an exception, for the GSM 1900, SAR measurements were taken at a Flat Phantom using the distance verified in Justification.)
3. In the case of the AG1, SAR measurements were taken at a Flat Phantom at a distance equal to or more conservative than the distance verified in Justification. (However, as an exception, for the 6GHz WLAN Ant.2, since the distance measured at the Body Rear 0mm SAR is more conservative than the distance verified in Justification, the Head measurement was replaced with Rear SAR data.)

10.2.1. GSM 850

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	GPRS 2 slots	2	0	Left Touch	128	824.2	32.50	31.83	0.788	0.919	1	<u>26.6</u>
AG.0	Ant.A+B	Head	GPRS 2 slots	2	0	Left Touch	190	836.6	32.50	31.42	0.656	0.841		27.0
AG.0	Ant.A+B	Head	GPRS 2 slots	2	0	Left Touch	251	848.8	32.50	31.35	0.696	0.907		26.7
AG.0	Ant.A+B	Head	GPRS 2 slots	2	0	Left Tilt	190	836.6	32.50	31.42	0.162	0.208		33.1
AG.0	Ant.A+B	Head	GPRS 2 slots	2	0	Right Touch	190	836.6	32.50	31.42	0.190	0.244		32.4
AG.0	Ant.A+B	Head	GPRS 2 slots	2	0	Right Tilt	190	836.6	32.50	31.42	0.214	0.274		31.9
AG.0	Ant.A+B	Body-worn & Hotspot	GPRS 4 slots	0	5	Rear	190	836.6	25.50	24.63	0.537	0.656		<u>24.1</u>
AG.0	Ant.A+B	Body-worn & Hotspot	GPRS 4 slots	0	5	Front	190	836.6	25.50	24.63	0.453	0.553		24.8
AG.0	Ant.A+B	Hotspot	GPRS 4 slots	0	10	Bottom	190	836.6	25.50	24.63	0.073	0.089		32.8
AG.0	Ant.A+B	Hotspot	GPRS 4 slots	0	10	Right	190	836.6	25.50	24.63	0.256	0.313		27.3
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	GPRS 3 slots	2	0	Left Touch	190	836.6	30.50	28.61	0.435	0.672		<u>27.8</u>
AG.1	Ant.D	Head	GPRS 3 slots	2	0	Left Tilt	190	836.6	30.50	28.61	0.183	0.283		31.5
AG.1	Ant.D	Head	GPRS 3 slots	2	0	Right Touch	190	836.6	30.50	28.61	0.205	0.317		31.0
AG.1	Ant.D	Head	GPRS 3 slots	2	0	Right Tilt	190	836.6	30.50	28.61	0.139	0.215		32.7
AG.1	Ant.D	Body-worn & Hotspot	GPRS 1 slot	0	5	Rear	190	836.6	30.50	28.87	0.532	0.774	2	<u>22.4</u>
AG.1	Ant.D	Body-worn & Hotspot	GPRS 1 slot	0	5	Front	190	836.6	30.50	28.87	0.330	0.480		24.4
AG.1	Ant.D	Hotspot	GPRS 1 slot	0	10	Top	190	836.6	30.50	28.87	0.104	0.151		29.5
AG.1	Ant.D	Hotspot	GPRS 1 slot	0	10	Right	190	836.6	30.50	28.87	0.190	0.277		26.8

10.2.2. GSM 1900

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.B	Head-Flat	GPRS 4 slots	2	4/7	Left Touch	661	1880.0	20.50	19.28	0.385	0.510	3	<u>20.2</u>
AG.0	Ant.B	Head	GPRS 4 slots	2	0	Left Tilt	661	1880.0	20.50	19.28	0.031	0.041		31.1
AG.0	Ant.B	Head	GPRS 4 slots	2	0	Right Touch	661	1880.0	20.50	19.28	0.077	0.102		27.2
AG.0	Ant.B	Head	GPRS 4 slots	2	0	Right Tilt	661	1880.0	20.50	19.28	0.035	0.046		30.6
AG.0	Ant.B	Body-worn & Hotspot	GPRS 4 slots	0	5	Rear	512	1850.2	20.50	19.53	0.617	0.771		18.4
AG.0	Ant.B	Body-worn & Hotspot	GPRS 4 slots	0	5	Rear	661	1880.0	20.50	19.28	0.648	0.858		<u>17.9</u>
AG.0	Ant.B	Body-worn & Hotspot	GPRS 4 slots	0	5	Rear	810	1909.8	20.50	19.22	0.643	0.863	4	<u>17.9</u>
AG.0	Ant.B	Body-worn & Hotspot	GPRS 4 slots	0	5	Front	661	1880.0	20.50	19.28	0.485	0.642		19.2
AG.0	Ant.B	Hotspot	GPRS 4 slots	0	10	Bottom	661	1880.0	20.50	19.28	0.354	0.469		20.6

10.2.3. WCDMA Band II

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head-Flat	Rel 99 RMC	2	4/15	Left Touch	9262	1852.4	16.50	15.76	0.868	1.029	5	16.3
AG.1	Ant.F	Head-Flat	Rel 99 RMC	2	4/15	Left Touch	9400	1880.0	16.50	15.68	0.794	0.959		16.6
AG.1	Ant.F	Head-Flat	Rel 99 RMC	2	4/15	Left Touch	9538	1907.6	16.50	15.70	0.756	0.909		16.9
AG.1	Ant.F	Head	Rel 99 RMC	2	0	Left Tilt	9400	1880.0	16.50	15.68	0.077	0.093		26.8
AG.1	Ant.F	Head	Rel 99 RMC	2	0	Right Touch	9400	1880.0	16.50	15.68	0.256	0.309		21.5
AG.1	Ant.F	Head	Rel 99 RMC	2	0	Right Tilt	9400	1880.0	16.50	15.68	0.270	0.326		21.3
AG.1	Ant.F	Body-w orn & Hotspot	Rel 99 RMC	0	5	Rear	9400	1880.0	16.50	15.68	0.500	0.604	6	18.6
AG.1	Ant.F	Body-w orn & Hotspot	Rel 99 RMC	0	5	Front	9400	1880.0	16.50	15.68	0.312	0.377		20.7
AG.1	Ant.F	Hotspot	Rel 99 RMC	0	10	Top	9400	1880.0	16.50	15.68	0.239	0.289		21.8

10.2.4. WCDMA Band IV

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head-Flat	Rel 99 RMC	2	4/13	Left Touch	1312	1712.4	16.50	15.49	0.739	0.932	7	16.8
AG.1	Ant.F	Head-Flat	Rel 99 RMC	2	4/13	Left Touch	1413	1732.6	16.50	15.44	0.712	0.909		16.9
AG.1	Ant.F	Head-Flat	Rel 99 RMC	2	4/13	Left Touch	1513	1752.6	16.50	15.36	0.675	0.878		17.0
AG.1	Ant.F	Head	Rel 99 RMC	2	0	Left Tilt	1413	1732.6	16.50	15.44	0.269	0.343		21.1
AG.1	Ant.F	Head	Rel 99 RMC	2	0	Right Touch	1413	1732.6	16.50	15.44	0.517	0.660		18.3
AG.1	Ant.F	Head	Rel 99 RMC	2	0	Right Tilt	1413	1732.6	16.50	15.44	0.424	0.541		19.1
AG.1	Ant.F	Body-w orn & Hotspot	Rel 99 RMC	0	5	Rear	1413	1732.6	16.50	15.44	0.483	0.617	8	18.6
AG.1	Ant.F	Body-w orn & Hotspot	Rel 99 RMC	0	5	Front	1413	1732.6	16.50	15.44	0.341	0.435		20.1
AG.1	Ant.F	Hotspot	Rel 99 RMC	0	10	Top	1413	1732.6	16.50	15.44	0.398	0.508		19.4

10.2.5. WCDMA Band V

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	Rel 99 RMC	2	0	Left Touch	4132	826.4	25.30	24.65	0.719	0.835		26.0
AG.0	Ant.A+B	Head	Rel 99 RMC	2	0	Left Touch	4183	836.6	25.30	24.48	0.727	0.878		25.8
AG.0	Ant.A+B	Head	Rel 99 RMC	2	0	Left Touch	4233	846.6	25.30	24.51	0.755	0.906	9	<u>25.7</u>
AG.0	Ant.A+B	Head	Rel 99 RMC	2	0	Left Tilt	4183	836.6	25.30	24.48	0.176	0.213		32.0
AG.0	Ant.A+B	Head	Rel 99 RMC	2	0	Right Touch	4183	836.6	25.30	24.48	0.188	0.227		31.7
AG.0	Ant.A+B	Head	Rel 99 RMC	2	0	Right Tilt	4183	836.6	25.30	24.48	0.199	0.240		31.4
AG.0	Ant.A+B	Body-w orn & Hotspot	Rel 99 RMC	0	5	Rear	4132	826.4	23.00	22.34	0.682	0.794		24.0
AG.0	Ant.A+B	Body-w orn & Hotspot	Rel 99 RMC	0	5	Rear	4183	836.6	23.00	22.22	0.680	0.814		23.8
AG.0	Ant.A+B	Body-w orn & Hotspot	Rel 99 RMC	0	5	Rear	4233	846.6	23.00	22.25	0.702	0.834		<u>23.7</u>
AG.0	Ant.A+B	Body-w orn & Hotspot	Rel 99 RMC	0	5	Front	4183	836.6	23.00	22.22	0.658	0.787		24.0
AG.0	Ant.A+B	Hotspot	Rel 99 RMC	0	10	Bottom	4183	836.6	23.00	22.22	0.098	0.117		32.3
AG.0	Ant.A+B	Hotspot	Rel 99 RMC	0	10	Right	4183	836.6	23.00	22.22	0.355	0.425		26.7
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	Rel 99 RMC	2	0	Left Touch	4183	836.6	25.30	23.67	0.131	0.191		32.4
AG.1	Ant.D	Head	Rel 99 RMC	2	0	Left Tilt	4183	836.6	25.30	23.67	0.028	0.041		39.1
AG.1	Ant.D	Head	Rel 99 RMC	2	0	Right Touch	4183	836.6	25.30	23.67	0.235	0.342		<u>29.9</u>
AG.1	Ant.D	Head	Rel 99 RMC	2	0	Right Tilt	4183	836.6	25.30	23.67	0.098	0.143		33.7
AG.1	Ant.D	Body-w orn & Hotspot	Rel 99 RMC	0	5	Rear	4132	826.4	22.00	20.17	0.624	0.951		22.2
AG.1	Ant.D	Body-w orn & Hotspot	Rel 99 RMC	0	5	Rear	4183	836.6	22.00	20.12	0.567	0.874		22.5
AG.1	Ant.D	Body-w orn & Hotspot	Rel 99 RMC	0	5	Rear	4233	846.6	22.00	20.02	0.694	1.095	10	<u>21.6</u>
AG.1	Ant.D	Body-w orn & Hotspot	Rel 99 RMC	0	5	Front	4183	836.6	22.00	20.12	0.388	0.598		24.2
AG.1	Ant.D	Hotspot	Rel 99 RMC	0	10	Top	4183	836.6	22.00	20.12	0.122	0.188		29.2
AG.1	Ant.D	Hotspot	Rel 99 RMC	0	10	Right	4183	836.6	22.00	20.12	0.241	0.372		26.2

10.2.6. LTE Band 71 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Flimit
AG.0	Ant.A+B	Head	QPSK	20	2	0	Left Touch	133297	680.5	1	0	25.50	24.63	0.262	0.320	11	30.4
AG.0	Ant.A+B	Head	QPSK	20	2	0	Left Touch	133297	680.5	50	0	24.50	23.52	0.198	0.248		30.5
AG.0	Ant.A+B	Head	QPSK	20	2	0	Left Tilt	133297	680.5	1	0	25.50	24.63	0.097	0.119		34.7
AG.0	Ant.A+B	Head	QPSK	20	2	0	Left Tilt	133297	680.5	50	0	24.50	23.52	0.080	0.100		34.4
AG.0	Ant.A+B	Head	QPSK	20	2	0	Right Touch	133297	680.5	1	0	25.50	24.63	0.095	0.116		34.8
AG.0	Ant.A+B	Head	QPSK	20	2	0	Right Touch	133297	680.5	50	0	24.50	23.52	0.088	0.110		34.0
AG.0	Ant.A+B	Head	QPSK	20	2	0	Right Tilt	133297	680.5	1	0	25.50	24.63	0.076	0.093		35.8
AG.0	Ant.A+B	Head	QPSK	20	2	0	Right Tilt	133297	680.5	50	0	24.50	23.52	0.076	0.095		34.7
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	20	0	5	Rear	133297	680.5	1	0	23.00	22.37	0.446	0.516		25.8
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	20	0	5	Rear	133297	680.5	50	0	23.00	22.28	0.469	0.554		25.5
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	20	0	5	Front	133297	680.5	1	0	23.00	22.37	0.379	0.438		26.5
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	20	0	5	Front	133297	680.5	50	0	23.00	22.28	0.396	0.467		26.3
AG.0	Ant.A+B	Hotspot	QPSK	20	0	10	Bottom	133297	680.5	1	0	23.00	22.37	0.171	0.198		30.0
AG.0	Ant.A+B	Hotspot	QPSK	20	0	10	Bottom	133297	680.5	50	0	23.00	22.28	0.177	0.209		29.8
AG.0	Ant.A+B	Hotspot	QPSK	20	0	10	Right	133297	680.5	1	0	23.00	22.37	0.176	0.203		29.9
AG.0	Ant.A+B	Hotspot	QPSK	20	0	10	Right	133297	680.5	50	0	23.00	22.28	0.182	0.215		29.6
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Flimit
AG.1	Ant.D	Head	QPSK	20	2	0	Left Touch	133297	680.5	1	49	25.00	24.30	0.082	0.096		35.1
AG.1	Ant.D	Head	QPSK	20	2	0	Left Touch	133297	680.5	50	0	24.00	23.32	0.091	0.106		33.7
AG.1	Ant.D	Head	QPSK	20	2	0	Left Tilt	133297	680.5	1	49	25.00	24.30	0.065	0.076		36.1
AG.1	Ant.D	Head	QPSK	20	2	0	Left Tilt	133297	680.5	50	0	24.00	23.32	0.069	0.081		34.9
AG.1	Ant.D	Head	QPSK	20	2	0	Right Touch	133297	680.5	1	49	25.00	24.30	0.058	0.068		36.6
AG.1	Ant.D	Head	QPSK	20	2	0	Right Touch	133297	680.5	50	0	24.00	23.32	0.082	0.096		34.1
AG.1	Ant.D	Head	QPSK	20	2	0	Right Tilt	133297	680.5	1	49	25.00	24.30	0.061	0.072		36.4
AG.1	Ant.D	Head	QPSK	20	2	0	Right Tilt	133297	680.5	50	0	24.00	23.32	0.083	0.097		34.1
AG.1	Ant.D	Body-worn & Hotspot	QPSK	20	0	5	Rear	133297	680.5	1	49	23.00	21.99	0.418	0.527		25.7
AG.1	Ant.D	Body-worn & Hotspot	QPSK	20	0	5	Rear	133297	680.5	50	0	23.00	21.94	0.438	0.559	12	25.5
AG.1	Ant.D	Body-worn & Hotspot	QPSK	20	0	5	Front	133297	680.5	1	49	23.00	21.99	0.341	0.430		26.6
AG.1	Ant.D	Body-worn & Hotspot	QPSK	20	0	5	Front	133297	680.5	50	0	23.00	21.94	0.328	0.419		26.7
AG.1	Ant.D	Hotspot	QPSK	20	0	10	Top	133297	680.5	1	49	23.00	21.99	0.112	0.141		31.4
AG.1	Ant.D	Hotspot	QPSK	20	0	10	Top	133297	680.5	50	0	23.00	21.94	0.107	0.137		31.6
AG.1	Ant.D	Hotspot	QPSK	20	0	10	Right	133297	680.5	1	49	23.00	21.99	0.160	0.202		29.9
AG.1	Ant.D	Hotspot	QPSK	20	0	10	Right	133297	680.5	50	0	23.00	21.94	0.160	0.204		29.8

10.2.7. LTE Band 12 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	QPSK	10	2	0	Left Touch	23095	707.5	1	25	25.20	24.72	0.248	0.277	13	30.7
AG.0	Ant.A+B	Head	QPSK	10	2	0	Left Touch	23095	707.5	25	12	24.20	23.59	0.199	0.229		<u>30.6</u>
AG.0	Ant.A+B	Head	QPSK	10	2	0	Left Tilt	23095	707.5	1	25	25.20	24.72	0.090	0.101		35.1
AG.0	Ant.A+B	Head	QPSK	10	2	0	Left Tilt	23095	707.5	25	12	24.20	23.59	0.108	0.124		33.2
AG.0	Ant.A+B	Head	QPSK	10	2	0	Right Touch	23095	707.5	1	25	25.20	24.72	0.119	0.133		33.9
AG.0	Ant.A+B	Head	QPSK	10	2	0	Right Touch	23095	707.5	25	12	24.20	23.59	0.092	0.106		33.9
AG.0	Ant.A+B	Head	QPSK	10	2	0	Right Tilt	23095	707.5	1	25	25.20	24.72	0.097	0.108		34.8
AG.0	Ant.A+B	Head	QPSK	10	2	0	Right Tilt	23095	707.5	25	12	24.20	23.59	0.087	0.100		34.1
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	0	5	Rear	23095	707.5	1	25	23.00	22.37	0.608	0.703		<u>24.5</u>
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	0	5	Rear	23095	707.5	25	12	23.00	22.27	0.596	0.705	14	<u>24.5</u>
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	0	5	Front	23095	707.5	1	25	23.00	22.37	0.477	0.551		25.5
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	0	5	Front	23095	707.5	25	12	23.00	22.27	0.499	0.590		25.2
AG.0	Ant.A+B	Hotspot	QPSK	10	0	10	Bottom	23095	707.5	1	25	23.00	22.37	0.138	0.160		30.9
AG.0	Ant.A+B	Hotspot	QPSK	10	0	10	Bottom	23095	707.5	25	12	23.00	22.27	0.140	0.166		30.8
AG.0	Ant.A+B	Hotspot	QPSK	10	0	10	Right	23095	707.5	1	25	23.00	22.37	0.213	0.246		29.0
AG.0	Ant.A+B	Hotspot	QPSK	10	0	10	Right	23095	707.5	25	12	23.00	22.27	0.219	0.259		28.8
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	QPSK	10	2	0	Left Touch	23095	707.5	1	25	25.00	24.79	0.136	0.143		33.4
AG.1	Ant.D	Head	QPSK	10	2	0	Left Touch	23095	707.5	25	12	24.00	23.87	0.160	0.165		<u>31.8</u>
AG.1	Ant.D	Head	QPSK	10	2	0	Left Tilt	23095	707.5	1	25	25.00	24.79	0.095	0.100		35.0
AG.1	Ant.D	Head	QPSK	10	2	0	Left Tilt	23095	707.5	25	12	24.00	23.87	0.110	0.113		33.4
AG.1	Ant.D	Head	QPSK	10	2	0	Right Touch	23095	707.5	1	25	25.00	24.79	0.094	0.099		35.0
AG.1	Ant.D	Head	QPSK	10	2	0	Right Touch	23095	707.5	25	12	24.00	23.87	0.111	0.114		33.4
AG.1	Ant.D	Head	QPSK	10	2	0	Right Tilt	23095	707.5	1	25	25.00	24.79	0.099	0.104		34.8
AG.1	Ant.D	Head	QPSK	10	2	0	Right Tilt	23095	707.5	25	12	24.00	23.87	0.117	0.121		33.1
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Rear	23095	707.5	1	25	23.00	22.45	0.499	0.566		25.4
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Rear	23095	707.5	25	12	23.00	22.52	0.524	0.585		<u>25.3</u>
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Front	23095	707.5	1	25	23.00	22.45	0.416	0.472		26.2
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Front	23095	707.5	25	12	23.00	22.52	0.417	0.466		26.3
AG.1	Ant.D	Hotspot	QPSK	10	0	10	Top	23095	707.5	1	25	23.00	22.45	0.131	0.149		31.2
AG.1	Ant.D	Hotspot	QPSK	10	0	10	Top	23095	707.5	25	12	23.00	22.52	0.139	0.155		31.0
AG.1	Ant.D	Hotspot	QPSK	10	0	10	Right	23095	707.5	1	25	23.00	22.45	0.192	0.218		29.6
AG.1	Ant.D	Hotspot	QPSK	10	0	10	Right	23095	707.5	25	12	23.00	22.52	0.188	0.210		29.7

10.2.8. LTE Band 13 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	QPSK	10	2	0	Left Touch	23230	782.0	1	0	25.50	24.91	0.484	0.554	15	28.0
AG.0	Ant.A+B	Head	QPSK	10	2	0	Left Touch	23230	782.0	25	0	24.50	23.81	0.415	0.486		27.6
AG.0	Ant.A+B	Head	QPSK	10	2	0	Left Tilt	23230	782.0	1	0	25.50	24.91	0.164	0.188		32.7
AG.0	Ant.A+B	Head	QPSK	10	2	0	Left Tilt	23230	782.0	25	0	24.50	23.81	0.141	0.165		32.3
AG.0	Ant.A+B	Head	QPSK	10	2	0	Right Touch	23230	782.0	1	0	25.50	24.91	0.144	0.165		33.3
AG.0	Ant.A+B	Head	QPSK	10	2	0	Right Touch	23230	782.0	25	0	24.50	23.81	0.127	0.149		32.7
AG.0	Ant.A+B	Head	QPSK	10	2	0	Right Tilt	23230	782.0	1	0	25.50	24.91	0.173	0.198		32.5
AG.0	Ant.A+B	Head	QPSK	10	2	0	Right Tilt	23230	782.0	25	0	24.50	23.81	0.149	0.175		32.0
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	0	5	Rear	23230	782.0	1	0	23.00	22.34	0.584	0.680		24.6
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	0	5	Rear	23230	782.0	25	0	23.00	22.29	0.597	0.703		24.5
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	0	5	Front	23230	782.0	1	0	23.00	22.34	0.542	0.631		25.0
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	0	5	Front	23230	782.0	25	0	23.00	22.29	0.559	0.658		24.8
AG.0	Ant.A+B	Hotspot	QPSK	10	0	10	Bottom	23230	782.0	1	0	23.00	22.34	0.173	0.201		29.9
AG.0	Ant.A+B	Hotspot	QPSK	10	0	10	Bottom	23230	782.0	25	0	23.00	22.29	0.189	0.223		29.5
AG.0	Ant.A+B	Hotspot	QPSK	10	0	10	Right	23230	782.0	1	0	23.00	22.34	0.264	0.307		28.1
AG.0	Ant.A+B	Hotspot	QPSK	10	0	10	Right	23230	782.0	25	0	23.00	22.29	0.276	0.325		27.8
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	QPSK	10	2	0	Left Touch	23230	782.0	1	25	25.00	23.73	0.207	0.277		30.5
AG.1	Ant.D	Head	QPSK	10	2	0	Left Touch	23230	782.0	25	25	24.00	22.82	0.220	0.289		29.3
AG.1	Ant.D	Head	QPSK	10	2	0	Left Tilt	23230	782.0	1	25	25.00	23.73	0.116	0.155		33.0
AG.1	Ant.D	Head	QPSK	10	2	0	Left Tilt	23230	782.0	25	25	24.00	22.82	0.115	0.151		32.2
AG.1	Ant.D	Head	QPSK	10	2	0	Right Touch	23230	782.0	1	25	25.00	23.73	0.126	0.169		32.7
AG.1	Ant.D	Head	QPSK	10	2	0	Right Touch	23230	782.0	25	25	24.00	22.82	0.122	0.160		31.9
AG.1	Ant.D	Head	QPSK	10	2	0	Right Tilt	23230	782.0	1	25	25.00	23.73	0.110	0.147		33.3
AG.1	Ant.D	Head	QPSK	10	2	0	Right Tilt	23230	782.0	25	25	24.00	22.82	0.102	0.134		32.7
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Rear	23230	782.0	1	25	23.00	21.11	0.538	0.831		23.8
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Rear	23230	782.0	25	25	23.00	21.29	0.601	0.891		23.5
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Rear	23230	782.0	50	0	23.00	21.09	0.621	0.964	16	23.1
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Front	23230	782.0	1	25	23.00	21.11	0.453	0.700		24.5
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Front	23230	782.0	25	25	23.00	21.29	0.454	0.673		24.7
AG.1	Ant.D	Hotspot	QPSK	10	0	10	Top	23230	782.0	1	25	23.00	21.11	0.123	0.190		30.2
AG.1	Ant.D	Hotspot	QPSK	10	0	10	Top	23230	782.0	25	25	23.00	21.29	0.119	0.176		30.5
AG.1	Ant.D	Hotspot	QPSK	10	0	10	Right	23230	782.0	1	25	23.00	21.11	0.191	0.295		28.2
AG.1	Ant.D	Hotspot	QPSK	10	0	10	Right	23230	782.0	25	25	23.00	21.29	0.194	0.288		28.4

10.2.9. LTE Band 14 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	QPSK	10	2	0	Left Touch	23330	793.0	1	0	25.50	24.96	0.475	0.538	17	28.1
AG.0	Ant.A+B	Head	QPSK	10	2	0	Left Touch	23330	793.0	25	0	24.50	23.72	0.432	0.517		27.3
AG.0	Ant.A+B	Head	QPSK	10	2	0	Left Tilt	23330	793.0	1	0	25.50	24.96	0.170	0.193		32.6
AG.0	Ant.A+B	Head	QPSK	10	2	0	Left Tilt	23330	793.0	25	0	24.50	23.72	0.142	0.170		32.1
AG.0	Ant.A+B	Head	QPSK	10	2	0	Right Touch	23330	793.0	1	0	25.50	24.96	0.146	0.165		33.3
AG.0	Ant.A+B	Head	QPSK	10	2	0	Right Touch	23330	793.0	25	0	24.50	23.72	0.130	0.156		32.5
AG.0	Ant.A+B	Head	QPSK	10	2	0	Right Tilt	23330	793.0	1	0	25.50	24.96	0.142	0.161		33.4
AG.0	Ant.A+B	Head	QPSK	10	2	0	Right Tilt	23330	793.0	25	0	24.50	23.72	0.129	0.154		32.6
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	0	5	Rear	23330	793.0	1	0	23.00	22.30	0.611	0.718		24.4
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	0	5	Rear	23330	793.0	25	0	23.00	22.27	0.615	0.728		24.3
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	0	5	Front	23330	793.0	1	0	23.00	22.30	0.566	0.665		24.7
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	0	5	Front	23330	793.0	25	0	23.00	22.27	0.568	0.672		24.7
AG.0	Ant.A+B	Hotspot	QPSK	10	0	10	Bottom	23330	793.0	1	0	23.00	22.30	0.145	0.170		30.6
AG.0	Ant.A+B	Hotspot	QPSK	10	0	10	Bottom	23330	793.0	25	0	23.00	22.27	0.139	0.164		30.8
AG.0	Ant.A+B	Hotspot	QPSK	10	0	10	Right	23330	793.0	1	0	23.00	22.30	0.320	0.376		27.2
AG.0	Ant.A+B	Hotspot	QPSK	10	0	10	Right	23330	793.0	25	0	23.00	22.27	0.317	0.375		27.2
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	QPSK	10	2	0	Left Touch	23330	793.0	1	25	25.00	24.11	0.211	0.259		30.8
AG.1	Ant.D	Head	QPSK	10	2	0	Left Touch	23330	793.0	25	0	24.00	23.11	0.216	0.265		29.7
AG.1	Ant.D	Head	QPSK	10	2	0	Left Tilt	23330	793.0	1	25	25.00	24.11	0.113	0.139		33.5
AG.1	Ant.D	Head	QPSK	10	2	0	Left Tilt	23330	793.0	25	0	24.00	23.11	0.108	0.133		32.7
AG.1	Ant.D	Head	QPSK	10	2	0	Right Touch	23330	793.0	1	25	25.00	24.11	0.122	0.150		33.2
AG.1	Ant.D	Head	QPSK	10	2	0	Right Touch	23330	793.0	25	0	24.00	23.11	0.139	0.171		31.6
AG.1	Ant.D	Head	QPSK	10	2	0	Right Tilt	23330	793.0	1	25	25.00	24.11	0.100	0.123		34.1
AG.1	Ant.D	Head	QPSK	10	2	0	Right Tilt	23330	793.0	25	0	24.00	23.11	0.101	0.124		33.0
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Rear	23330	793.0	1	25	23.00	21.40	0.622	0.899		23.4
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Rear	23330	793.0	25	0	23.00	21.48	0.669	0.949		23.2
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Rear	23330	793.0	50	0	23.00	21.24	0.652	0.978	18	23.0
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Front	23330	793.0	1	25	23.00	21.40	0.515	0.744		24.2
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Front	23330	793.0	25	0	23.00	21.48	0.497	0.705		24.5
AG.1	Ant.D	Hotspot	QPSK	10	0	10	Top	23330	793.0	1	25	23.00	21.40	0.126	0.182		30.3
AG.1	Ant.D	Hotspot	QPSK	10	0	10	Top	23330	793.0	25	0	23.00	21.48	0.125	0.177		30.5
AG.1	Ant.D	Hotspot	QPSK	10	0	10	Right	23330	793.0	1	25	23.00	21.40	0.222	0.321		27.9
AG.1	Ant.D	Hotspot	QPSK	10	0	10	Right	23330	793.0	25	0	23.00	21.48	0.217	0.308		28.1

10.2.10. LTE Band 26 (15MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	QPSK	15	2	0	Left Touch	26865	831.5	1	0	25.50	24.73	0.452	0.540	19	28.1
AG.0	Ant.A+B	Head	QPSK	15	2	0	Left Touch	26865	831.5	36	0	24.50	23.87	0.357	0.413		28.3
AG.0	Ant.A+B	Head	QPSK	15	2	0	Left Tilt	26865	831.5	1	0	25.50	24.73	0.184	0.220		32.0
AG.0	Ant.A+B	Head	QPSK	15	2	0	Left Tilt	26865	831.5	36	0	24.50	23.87	0.143	0.165		32.3
AG.0	Ant.A+B	Head	QPSK	15	2	0	Right Touch	26865	831.5	1	0	25.50	24.73	0.131	0.156		33.5
AG.0	Ant.A+B	Head	QPSK	15	2	0	Right Touch	26865	831.5	36	0	24.50	23.87	0.111	0.128		33.4
AG.0	Ant.A+B	Head	QPSK	15	2	0	Right Tilt	26865	831.5	1	0	25.50	24.73	0.206	0.246		31.5
AG.0	Ant.A+B	Head	QPSK	15	2	0	Right Tilt	26865	831.5	36	0	24.50	23.87	0.159	0.184		31.8
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	15	0	5	Rear	26865	831.5	1	0	23.00	22.78	0.629	0.662		24.7
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	15	0	5	Rear	26865	831.5	36	0	23.00	22.34	0.653	0.760		24.1
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	15	0	5	Front	26865	831.5	1	0	23.00	22.78	0.627	0.660		24.8
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	15	0	5	Front	26865	831.5	36	0	23.00	22.34	0.651	0.758		24.2
AG.0	Ant.A+B	Hotspot	QPSK	15	0	10	Bottom	26865	831.5	1	0	23.00	22.78	0.122	0.128		31.9
AG.0	Ant.A+B	Hotspot	QPSK	15	0	10	Bottom	26865	831.5	36	0	23.00	22.34	0.121	0.141		31.5
AG.0	Ant.A+B	Hotspot	QPSK	15	0	10	Right	26865	831.5	1	0	23.00	22.78	0.245	0.258		28.8
AG.0	Ant.A+B	Hotspot	QPSK	15	0	10	Right	26865	831.5	36	0	23.00	22.34	0.245	0.285		28.4
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	QPSK	15	2	0	Left Touch	26865	831.5	1	37	25.00	24.14	0.343	0.418		28.7
AG.1	Ant.D	Head	QPSK	15	2	0	Left Touch	26865	831.5	36	0	24.00	23.06	0.280	0.348		28.5
AG.1	Ant.D	Head	QPSK	15	2	0	Left Tilt	26865	831.5	1	37	25.00	24.14	0.198	0.241		31.1
AG.1	Ant.D	Head	QPSK	15	2	0	Left Tilt	26865	831.5	36	0	24.00	23.06	0.131	0.163		31.8
AG.1	Ant.D	Head	QPSK	15	2	0	Right Touch	26865	831.5	1	37	25.00	24.14	0.248	0.302		30.1
AG.1	Ant.D	Head	QPSK	15	2	0	Right Touch	26865	831.5	36	0	24.00	23.06	0.189	0.235		30.2
AG.1	Ant.D	Head	QPSK	15	2	0	Right Tilt	26865	831.5	1	37	25.00	24.14	0.183	0.223		31.5
AG.1	Ant.D	Head	QPSK	15	2	0	Right Tilt	26865	831.5	36	0	24.00	23.06	0.144	0.179		31.4
AG.1	Ant.D	Body-worn & Hotspot	QPSK	15	0	5	Rear	26865	831.5	1	0	22.00	20.65	0.589	0.804		22.9
AG.1	Ant.D	Body-worn & Hotspot	QPSK	15	0	5	Rear	26865	831.5	36	20	22.00	20.44	0.577	0.826		22.8
AG.1	Ant.D	Body-worn & Hotspot	QPSK	15	0	5	Rear	26865	831.5	75	0	22.00	20.29	0.605	0.897	20	22.4
AG.1	Ant.D	Body-worn & Hotspot	QPSK	15	0	5	Front	26865	831.5	1	0	22.00	20.65	0.436	0.595		24.2
AG.1	Ant.D	Body-worn & Hotspot	QPSK	15	0	5	Front	26865	831.5	36	20	22.00	20.44	0.480	0.687		23.6
AG.1	Ant.D	Hotspot	QPSK	15	0	10	Top	26865	831.5	1	0	22.00	20.65	0.071	0.097		32.1
AG.1	Ant.D	Hotspot	QPSK	15	0	10	Top	26865	831.5	36	20	22.00	20.44	0.078	0.112		31.5
AG.1	Ant.D	Hotspot	QPSK	15	0	10	Right	26865	831.5	1	0	22.00	20.65	0.177	0.242		28.1
AG.1	Ant.D	Hotspot	QPSK	15	0	10	Right	26865	831.5	36	20	22.00	20.44	0.199	0.285		27.4

10.2.11. LTE Band 5 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	QPSK	10	2	0	Left Touch	20525	836.5	1	0	25.50	24.52	0.507	0.635	21	<u>27.4</u>
AG.0	Ant.A+B	Head	QPSK	10	2	0	Left Touch	20525	836.5	25	0	24.50	23.79	0.397	0.468		27.8
AG.0	Ant.A+B	Head	QPSK	10	2	0	Left Tilt	20525	836.5	1	0	25.50	24.52	0.196	0.246		31.5
AG.0	Ant.A+B	Head	QPSK	10	2	0	Left Tilt	20525	836.5	25	0	24.50	23.79	0.158	0.186		31.8
AG.0	Ant.A+B	Head	QPSK	10	2	0	Right Touch	20525	836.5	1	0	25.50	24.52	0.170	0.213		32.2
AG.0	Ant.A+B	Head	QPSK	10	2	0	Right Touch	20525	836.5	25	0	24.50	23.79	0.145	0.171		32.1
AG.0	Ant.A+B	Head	QPSK	10	2	0	Right Tilt	20525	836.5	1	0	25.50	24.52	0.188	0.236		31.7
AG.0	Ant.A+B	Head	QPSK	10	2	0	Right Tilt	20525	836.5	25	0	24.50	23.79	0.161	0.190		31.7
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	0	5	Rear	20525	836.5	1	0	23.00	22.35	0.667	0.775		24.1
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	0	5	Rear	20525	836.5	25	0	23.00	22.22	0.688	0.823		<u>23.8</u>
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	0	5	Front	20525	836.5	1	0	23.00	22.35	0.662	0.769		24.1
AG.0	Ant.A+B	Body-worn & Hotspot	QPSK	10	0	5	Front	20525	836.5	25	0	23.00	22.22	0.674	0.807		23.9
AG.0	Ant.A+B	Hotspot	QPSK	10	0	10	Bottom	20525	836.5	1	0	23.00	22.35	0.126	0.146		31.3
AG.0	Ant.A+B	Hotspot	QPSK	10	0	10	Bottom	20525	836.5	25	0	23.00	22.22	0.125	0.150		31.2
AG.0	Ant.A+B	Hotspot	QPSK	10	0	10	Right	20525	836.5	1	0	23.00	22.35	0.242	0.281		28.5
AG.0	Ant.A+B	Hotspot	QPSK	10	0	10	Right	20525	836.5	25	0	23.00	22.22	0.251	0.300		28.2
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	QPSK	10	2	0	Left Touch	20525	836.5	1	0	25.00	24.28	0.297	0.351		<u>29.5</u>
AG.1	Ant.D	Head	QPSK	10	2	0	Left Touch	20525	836.5	25	25	24.00	23.31	0.214	0.251		30.0
AG.1	Ant.D	Head	QPSK	10	2	0	Left Tilt	20525	836.5	1	0	25.00	24.28	0.118	0.139		33.5
AG.1	Ant.D	Head	QPSK	10	2	0	Left Tilt	20525	836.5	25	25	24.00	23.31	0.106	0.124		33.0
AG.1	Ant.D	Head	QPSK	10	2	0	Right Touch	20525	836.5	1	0	25.00	24.28	0.143	0.169		32.7
AG.1	Ant.D	Head	QPSK	10	2	0	Right Touch	20525	836.5	25	25	24.00	23.31	0.142	0.166		31.7
AG.1	Ant.D	Head	QPSK	10	2	0	Right Tilt	20525	836.5	1	0	25.00	24.28	0.077	0.091		35.4
AG.1	Ant.D	Head	QPSK	10	2	0	Right Tilt	20525	836.5	25	25	24.00	23.31	0.102	0.120		33.2
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Rear	20525	836.5	1	0	22.00	20.60	0.615	0.849		22.7
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Rear	20525	836.5	25	25	22.00	20.62	0.648	0.890		22.5
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Rear	20525	836.5	50	0	22.00	20.47	0.677	0.963	22	<u>22.1</u>
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Front	20525	836.5	1	0	22.00	20.60	0.490	0.676		23.6
AG.1	Ant.D	Body-worn & Hotspot	QPSK	10	0	5	Front	20525	836.5	25	25	22.00	20.62	0.531	0.730		23.3
AG.1	Ant.D	Hotspot	QPSK	10	0	10	Top	20525	836.5	1	0	22.00	20.60	0.085	0.117		31.3
AG.1	Ant.D	Hotspot	QPSK	10	0	10	Top	20525	836.5	25	25	22.00	20.62	0.093	0.128		30.9
AG.1	Ant.D	Hotspot	QPSK	10	0	10	Right	20525	836.5	1	0	22.00	20.60	0.178	0.246		28.0
AG.1	Ant.D	Hotspot	QPSK	10	0	10	Right	20525	836.5	25	25	22.00	20.62	0.174	0.239		28.2

10.2.12. LTE Band 66 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.B	Head-Flat	QPSK	20	2	5	Left Touch	132322	1745.0	1	0	16.00	15.46	0.561	0.635	23	<u>17.9</u>
AG.0	Ant.B	Head-Flat	QPSK	20	2	5	Left Touch	132322	1745.0	50	0	16.00	15.52	0.558	0.623		18.0
AG.0	Ant.B	Head	QPSK	20	2	0	Left Tilt	132322	1745.0	1	0	16.00	15.46	0.124	0.140		24.5
AG.0	Ant.B	Head	QPSK	20	2	0	Left Tilt	132322	1745.0	50	0	16.00	15.52	0.092	0.103		25.8
AG.0	Ant.B	Head	QPSK	20	2	0	Right Touch	132322	1745.0	1	0	16.00	15.46	0.198	0.224		22.4
AG.0	Ant.B	Head	QPSK	20	2	0	Right Touch	132322	1745.0	50	0	16.00	15.52	0.164	0.183		23.3
AG.0	Ant.B	Head	QPSK	20	2	0	Right Tilt	132322	1745.0	1	0	16.00	15.46	0.074	0.084		26.7
AG.0	Ant.B	Head	QPSK	20	2	0	Right Tilt	132322	1745.0	50	0	16.00	15.52	0.057	0.064		27.9
AG.0	Ant.B	Body-w orn & Hotspot	QPSK	20	0	5	Rear	132322	1745.0	1	0	16.00	15.46	0.561	0.635		<u>17.9</u>
AG.0	Ant.B	Body-w orn & Hotspot	QPSK	20	0	5	Rear	132322	1745.0	50	0	16.00	15.52	0.558	0.623		18.0
AG.0	Ant.B	Body-w orn & Hotspot	QPSK	20	0	5	Front	132322	1745.0	1	0	16.00	15.46	0.384	0.435		19.6
AG.0	Ant.B	Body-w orn & Hotspot	QPSK	20	0	5	Front	132322	1745.0	50	0	16.00	15.52	0.452	0.505		18.9
AG.0	Ant.B	Hotspot	QPSK	20	0	10	Bottom	132322	1745.0	1	0	16.00	15.46	0.322	0.365		20.3
AG.0	Ant.B	Hotspot	QPSK	20	0	10	Bottom	132322	1745.0	50	0	16.00	15.52	0.321	0.359		20.4
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	QPSK	20	2	0	Left Touch	132322	1745.0	1	0	20.00	19.09	0.148	0.182		27.3
AG.1	Ant.F	Head	QPSK	20	2	0	Left Touch	132322	1745.0	50	0	20.00	19.13	0.149	0.182		27.3
AG.1	Ant.F	Head	QPSK	20	2	0	Left Tilt	132322	1745.0	1	0	20.00	19.09	0.247	0.305		25.1
AG.1	Ant.F	Head	QPSK	20	2	0	Left Tilt	132322	1745.0	50	0	20.00	19.13	0.253	0.309		25.0
AG.1	Ant.F	Head	QPSK	20	2	0	Right Touch	132322	1745.0	1	0	20.00	19.09	0.511	0.630		<u>22.0</u>
AG.1	Ant.F	Head	QPSK	20	2	0	Right Touch	132322	1745.0	50	0	20.00	19.13	0.482	0.589		22.2
AG.1	Ant.F	Head	QPSK	20	2	0	Right Tilt	132322	1745.0	1	0	20.00	19.09	0.440	0.543		22.6
AG.1	Ant.F	Head	QPSK	20	2	0	Right Tilt	132322	1745.0	50	0	20.00	19.13	0.445	0.544		22.6
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	132072	1720.0	1	99	16.50	15.62	0.697	0.854	24	<u>17.1</u>
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	132072	1720.0	50	50	16.50	15.58	0.690	0.853		<u>17.1</u>
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	132322	1745.0	1	99	16.50	15.53	0.640	0.800		17.4
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	132322	1745.0	50	50	16.50	15.54	0.590	0.736		17.8
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	132322	1745.0	100	0	16.50	15.65	0.656	0.798		17.4
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	132572	1770.0	1	99	16.50	15.60	0.559	0.688		18.1
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	132572	1770.0	50	50	16.50	15.49	0.569	0.718		17.9
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Front	132072	1720.0	1	99	16.50	15.62	0.584	0.715		17.9
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Front	132072	1720.0	50	50	16.50	15.58	0.580	0.717		17.9
AG.1	Ant.F	Hotspot	QPSK	20	0	10	Top	132072	1720.0	1	99	16.50	15.62	0.311	0.381		20.6
AG.1	Ant.F	Hotspot	QPSK	20	0	10	Top	132072	1720.0	50	50	16.50	15.58	0.306	0.378		20.7

10.2.13. LTE Band 25 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.B	Head-Flat	QPSK	20	2	5	Left Touch	26365	1882.5	1	0	16.50	16.27	0.617	0.651	25	<u>18.3</u>
AG.0	Ant.B	Head-Flat	QPSK	20	2	5	Left Touch	26365	1882.5	50	0	16.50	16.29	0.614	0.644		18.4
AG.0	Ant.B	Head	QPSK	20	2	0	Left Tilt	26365	1882.5	1	0	16.50	16.27	0.094	0.099		26.5
AG.0	Ant.B	Head	QPSK	20	2	0	Left Tilt	26365	1882.5	50	0	16.50	16.29	0.076	0.080		27.4
AG.0	Ant.B	Head	QPSK	20	2	0	Right Touch	26365	1882.5	1	0	16.50	16.27	0.188	0.198		23.5
AG.0	Ant.B	Head	QPSK	20	2	0	Right Touch	26365	1882.5	50	0	16.50	16.29	0.146	0.153		24.6
AG.0	Ant.B	Head	QPSK	20	2	0	Right Tilt	26365	1882.5	1	0	16.50	16.27	0.080	0.084		27.2
AG.0	Ant.B	Head	QPSK	20	2	0	Right Tilt	26365	1882.5	50	0	16.50	16.29	0.066	0.069		28.0
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	0	5	Rear	26365	1882.5	1	0	16.50	16.27	0.617	0.651		<u>18.3</u>
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	0	5	Rear	26365	1882.5	50	0	16.50	16.29	0.614	0.644		18.4
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	0	5	Front	26365	1882.5	1	0	16.50	16.27	0.338	0.356		20.9
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	0	5	Front	26365	1882.5	50	0	16.50	16.29	0.336	0.353		21.0
AG.0	Ant.B	Hotspot	QPSK	20	0	10	Bottom	26365	1882.5	1	0	16.50	16.27	0.306	0.323		21.4
AG.0	Ant.B	Hotspot	QPSK	20	0	10	Bottom	26365	1882.5	50	0	16.50	16.29	0.310	0.325		21.3
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	QPSK	20	2	0	Left Touch	26590	1905.0	1	0	20.00	19.58	0.062	0.068		31.6
AG.1	Ant.F	Head	QPSK	20	2	0	Left Touch	26590	1905.0	50	0	20.00	19.44	0.064	0.073		31.3
AG.1	Ant.F	Head	QPSK	20	2	0	Left Tilt	26590	1905.0	1	0	20.00	19.58	0.087	0.096		30.1
AG.1	Ant.F	Head	QPSK	20	2	0	Left Tilt	26590	1905.0	50	0	20.00	19.44	0.090	0.102		29.8
AG.1	Ant.F	Head	QPSK	20	2	0	Right Touch	26590	1905.0	1	0	20.00	19.58	0.208	0.229		26.3
AG.1	Ant.F	Head	QPSK	20	2	0	Right Touch	26590	1905.0	50	0	20.00	19.44	0.256	0.291		<u>25.3</u>
AG.1	Ant.F	Head	QPSK	20	2	0	Right Tilt	26590	1905.0	1	0	20.00	19.58	0.202	0.223		26.5
AG.1	Ant.F	Head	QPSK	20	2	0	Right Tilt	26590	1905.0	50	0	20.00	19.44	0.206	0.234		26.3
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	0	5	Rear	26590	1905.0	1	0	16.50	16.01	0.446	0.499		19.5
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	0	5	Rear	26590	1905.0	50	0	16.50	15.73	0.439	0.524		<u>19.3</u>
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	0	5	Front	26590	1905.0	1	0	16.50	16.01	0.263	0.294		21.8
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	0	5	Front	26590	1905.0	50	0	16.50	15.73	0.257	0.307		21.6
AG.1	Ant.F	Hotspot	QPSK	20	0	10	Top	26590	1905.0	1	0	16.50	16.01	0.239	0.268		22.2
AG.1	Ant.F	Hotspot	QPSK	20	0	10	Top	26590	1905.0	50	0	16.50	15.73	0.233	0.278		22.0

10.2.14. LTE Band 30 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot. No	Part0 Plimit
AG.0	Ant.B	Head-Flat	QPSK	10	2	5	Left Touch/Tilt	27710	2310.0	1	0	14.50	13.95	0.492	0.558		<u>17.0</u>
AG.0	Ant.B	Head-Flat	QPSK	10	2	5	Left Touch/Tilt	27710	2310.0	25	25	14.50	13.91	0.481	0.551		<u>17.0</u>
AG.0	Ant.B	Head	QPSK	10	2	0	Right Touch	27710	2310.0	1	0	14.50	13.95	0.078	0.089		25.0
AG.0	Ant.B	Head	QPSK	10	2	0	Right Touch	27710	2310.0	25	25	14.50	13.91	0.087	0.100		24.5
AG.0	Ant.B	Head-Flat	QPSK	10	2	5	Right Tilt	27710	2310.0	1	0	14.50	13.95	0.492	0.558		<u>17.0</u>
AG.0	Ant.B	Head-Flat	QPSK	10	2	5	Right Tilt	27710	2310.0	25	25	14.50	13.91	0.481	0.551		<u>17.0</u>
AG.0	Ant.B	Body-worn & Hotspot	QPSK	10	0	5	Rear	27710	2310.0	1	0	14.50	13.95	0.492	0.558	26	<u>17.0</u>
AG.0	Ant.B	Body-worn & Hotspot	QPSK	10	0	5	Rear	27710	2310.0	25	25	14.50	13.91	0.481	0.551		<u>17.0</u>
AG.0	Ant.B	Body-worn & Hotspot	QPSK	10	0	5	Front	27710	2310.0	1	0	14.50	13.95	0.373	0.423		18.2
AG.0	Ant.B	Body-worn & Hotspot	QPSK	10	0	5	Front	27710	2310.0	25	25	14.50	13.91	0.359	0.411		18.3
AG.0	Ant.B	Hotspot	QPSK	10	0	10	Bottom	27710	2310.0	1	0	14.50	13.95	0.268	0.304		19.6
AG.0	Ant.B	Hotspot	QPSK	10	0	10	Bottom	27710	2310.0	25	25	14.50	13.91	0.263	0.301		19.7
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot. No	Part0 Plimit
AG.1	Ant.F	Head-Flat	QPSK	10	2	4/25	Left Touch/Tilt	27710	2310.0	1	0	15.00	13.77	0.470	0.624	27	<u>17.0</u>
AG.1	Ant.F	Head-Flat	QPSK	10	2	4/25	Left Touch/Tilt	27710	2310.0	25	25	15.00	13.77	0.465	0.617		<u>17.0</u>
AG.1	Ant.F	Head	QPSK	10	2	0	Right Touch	27710	2310.0	1	0	15.00	13.77	0.128	0.170		22.6
AG.1	Ant.F	Head	QPSK	10	2	0	Right Touch	27710	2310.0	25	25	15.00	13.77	0.125	0.166		22.8
AG.1	Ant.F	Head	QPSK	10	2	0	Right Tilt	27710	2310.0	1	0	15.00	13.77	0.183	0.243		21.1
AG.1	Ant.F	Head	QPSK	10	2	0	Right Tilt	27710	2310.0	25	25	15.00	13.77	0.175	0.232		21.3
AG.1	Ant.F	Body-worn & Hotspot	QPSK	10	0	5	Rear	27710	2310.0	1	0	15.00	13.77	0.318	0.422		<u>18.7</u>
AG.1	Ant.F	Body-worn & Hotspot	QPSK	10	0	5	Rear	27710	2310.0	25	25	15.00	13.77	0.320	0.425		<u>18.7</u>
AG.1	Ant.F	Body-worn & Hotspot	QPSK	10	0	5	Front	27710	2310.0	1	0	15.00	13.77	0.209	0.277		20.5
AG.1	Ant.F	Body-worn & Hotspot	QPSK	10	0	5	Front	27710	2310.0	25	25	15.00	13.77	0.209	0.277		20.5
AG.1	Ant.F	Hotspot	QPSK	10	0	10	Top	27710	2310.0	1	0	15.00	13.77	0.162	0.215		21.6
AG.1	Ant.F	Hotspot	QPSK	10	0	10	Top	27710	2310.0	25	25	15.00	13.77	0.166	0.220		21.5

10.2.15. LTE Band 7 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot. No	Part0 Plimit
AG.0	Ant.B	Head-Flat	QPSK	20	2	5	Left Touch/Tilt	20850	2510.0	1	99	15.50	15.11	0.542	0.593		<u>17.7</u>
AG.0	Ant.B	Head-Flat	QPSK	20	2	5	Left Touch/Tilt	20850	2510.0	50	50	15.50	15.19	0.547	0.587		17.8
AG.0	Ant.B	Head	QPSK	20	2	0	Right Touch	20850	2510.0	1	99	15.50	15.11	0.104	0.114		24.9
AG.0	Ant.B	Head	QPSK	20	2	0	Right Touch	20850	2510.0	50	50	15.50	15.19	0.084	0.090		25.9
AG.0	Ant.B	Head	QPSK	20	2	0	Right Tilt	20850	2510.0	1	99	15.50	15.11	0.062	0.068		27.1
AG.0	Ant.B	Head	QPSK	20	2	0	Right Tilt	20850	2510.0	50	50	15.50	15.19	0.061	0.066		27.3
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	0	5	Rear	20850	2510.0	1	99	15.50	15.11	0.542	0.593	28	<u>17.7</u>
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	0	5	Rear	20850	2510.0	50	50	15.50	15.19	0.547	0.587		17.8
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	0	5	Front	20850	2510.0	1	99	15.50	15.11	0.328	0.359		19.9
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	0	5	Front	20850	2510.0	50	50	15.50	15.19	0.335	0.360		19.9
AG.0	Ant.B	Hotspot	QPSK	20	0	10	Bottom	20850	2510.0	1	99	15.50	15.11	0.294	0.322		20.4
AG.0	Ant.B	Hotspot	QPSK	20	0	10	Bottom	20850	2510.0	50	50	15.50	15.19	0.296	0.318		20.4
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot. No	Part0 Plimit
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/25	Left Touch/Tilt	20850	2510.0	1	0	15.00	13.82	0.670	0.879		15.5
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/25	Left Touch/Tilt	20850	2510.0	50	0	15.00	13.88	0.658	0.852		15.6
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/25	Left Touch/Tilt	20850	2510.0	100	0	15.00	13.90	0.609	0.785		16.0
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/25	Left Touch/Tilt	21100	2535.0	1	0	15.00	13.81	0.693	0.911		15.4
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/25	Left Touch/Tilt	21100	2535.0	50	0	15.00	13.87	0.728	0.944	29	<u>15.2</u>
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/25	Left Touch/Tilt	21350	2560.0	1	0	15.00	13.59	0.613	0.848		15.7
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/25	Left Touch/Tilt	21350	2560.0	50	0	15.00	13.70	0.612	0.826		15.8
AG.1	Ant.F	Head	QPSK	20	2	0	Right Touch	20850	2510.0	1	0	15.00	13.82	0.194	0.255		20.9
AG.1	Ant.F	Head	QPSK	20	2	0	Right Touch	20850	2510.0	50	0	15.00	13.88	0.175	0.226		21.4
AG.1	Ant.F	Head	QPSK	20	2	0	Right Tilt	20850	2510.0	1	0	15.00	13.82	0.224	0.294		20.3
AG.1	Ant.F	Head	QPSK	20	2	0	Right Tilt	20850	2510.0	50	0	15.00	13.88	0.211	0.273		20.6
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	0	5	Rear	20850	2510.0	1	0	15.00	13.82	0.375	0.492		<u>18.0</u>
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	0	5	Rear	20850	2510.0	50	0	15.00	13.88	0.384	0.497		<u>18.0</u>
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	0	5	Front	20850	2510.0	1	0	15.00	13.82	0.278	0.365		19.3
AG.1	Ant.F	Body-worn & Hotspot	QPSK	20	0	5	Front	20850	2510.0	50	0	15.00	13.88	0.283	0.366		19.3
AG.1	Ant.F	Hotspot	QPSK	20	0	10	Top	20850	2510.0	1	0	15.00	13.82	0.310	0.407		18.9
AG.1	Ant.F	Hotspot	QPSK	20	0	10	Top	20850	2510.0	50	0	15.00	13.88	0.316	0.409		18.8

10.2.16. LTE Band 41 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot. No	Part0 Limit
AG.0	Ant.B	Head-Flat	QPSK	20	2	5	Left Touch/Tilt	41055	2636.5	1	0	17.50	16.82	0.225	0.263		21.3
AG.0	Ant.B	Head-Flat	QPSK	20	2	5	Left Touch/Tilt	41055	2636.5	50	0	17.50	16.85	0.230	0.267		21.2
AG.0	Ant.B	Head	QPSK	20	2	0	Right Touch	41055	2636.5	1	0	17.50	16.82	0.033	0.039		29.6
AG.0	Ant.B	Head	QPSK	20	2	0	Right Touch	41055	2636.5	50	0	17.50	16.85	0.024	0.028		31.0
AG.0	Ant.B	Head	QPSK	20	2	0	Right Tilt	41055	2636.5	1	0	17.50	16.82	0.023	0.027		31.2
AG.0	Ant.B	Head	QPSK	20	2	0	Right Tilt	41055	2636.5	50	0	17.50	16.85	0.015	0.017		33.1
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	0	5	Rear	41055	2636.5	1	0	17.50	16.82	0.225	0.263		21.3
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	0	5	Rear	41055	2636.5	50	0	17.50	16.85	0.230	0.267		21.2
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	0	5	Front	41055	2636.5	1	0	17.50	16.82	0.142	0.166		23.3
AG.0	Ant.B	Body-worn & Hotspot	QPSK	20	0	5	Front	41055	2636.5	50	0	17.50	16.85	0.140	0.163		23.4
AG.0	Ant.B	Hotspot	QPSK	20	0	10	Bottom	41055	2636.5	1	0	17.50	16.82	0.138	0.161		23.4
AG.0	Ant.B	Hotspot	QPSK	20	0	10	Bottom	41055	2636.5	50	0	17.50	16.85	0.140	0.163		23.4

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot. No	Part0 Limit
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/85	Left Touch/Tilt	39750	2506.0	1	0	17.00	15.86	0.714	0.928		15.3
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/85	Left Touch/Tilt	39750	2506.0	50	0	17.00	15.80	0.710	0.936		15.3
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/85	Left Touch/Tilt	40185	2549.5	1	0	17.00	15.92	0.816	1.046		14.8
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/85	Left Touch/Tilt	40185	2549.5	50	0	17.00	15.92	0.835	1.071		14.7
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/85	Left Touch/Tilt	40185	2549.5	100	0	17.00	15.91	0.846	1.087		14.6
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/85	Left Touch/Tilt	40620	2593.0	1	0	17.00	15.73	0.887	1.188		14.2
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/85	Left Touch/Tilt	40620	2593.0	50	0	17.00	15.74	0.892	1.192	30	14.2
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/85	Left Touch/Tilt	41055	2636.5	1	0	17.00	15.83	0.743	0.973		15.1
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/85	Left Touch/Tilt	41055	2636.5	50	0	17.00	15.83	0.731	0.957		15.2
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/85	Left Touch/Tilt	41490	2680.0	1	0	17.00	15.89	0.740	0.956		15.2
AG.1	Ant.F	Head-Flat	QPSK	20	2	4/85	Left Touch/Tilt	41490	2680.0	50	0	17.00	15.91	0.730	0.938		15.2
AG.1	Ant.F	Head	QPSK	20	2	0	Right Touch	40185	2549.5	1	0	17.00	15.92	0.186	0.239		21.2
AG.1	Ant.F	Head	QPSK	20	2	0	Right Touch	40185	2549.5	50	0	17.00	15.92	0.184	0.236		21.2
AG.1	Ant.F	Head	QPSK	20	2	0	Right Tilt	40185	2549.5	1	0	17.00	15.92	0.215	0.276		20.6
AG.1	Ant.F	Head	QPSK	20	2	0	Right Tilt	40185	2549.5	50	0	17.00	15.92	0.214	0.274		20.6
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	39750	2506.0	1	0	17.00	15.86	0.441	0.573		17.4
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	39750	2506.0	50	0	17.00	15.80	0.441	0.581		17.3
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	40185	2549.5	1	0	17.00	15.92	0.721	0.925		15.3
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	40185	2549.5	50	0	17.00	15.92	0.723	0.927	31	15.3
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	40185	2549.5	100	0	17.00	15.91	0.501	0.644		16.9
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	40620	2593.0	1	0	17.00	15.73	0.475	0.636		16.9
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	40620	2593.0	50	0	17.00	15.74	0.459	0.613		17.1
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	41055	2636.5	1	0	17.00	15.83	0.411	0.538		17.7
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	41055	2636.5	50	0	17.00	15.83	0.384	0.503		18.0
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	41490	2680.0	1	0	17.00	15.89	0.321	0.414		18.8
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Rear	41490	2680.0	50	0	17.00	15.91	0.312	0.401		18.9
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Front	39750	2506.0	1	0	17.00	15.86	0.439	0.571		17.4
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Front	39750	2506.0	50	0	17.00	15.80	0.437	0.576		17.4
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Front	40185	2549.5	1	0	17.00	15.92	0.529	0.678		16.6
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Front	40185	2549.5	50	0	17.00	15.92	0.531	0.681		16.6
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Front	40620	2593.0	1	0	17.00	15.73	0.458	0.614		17.1
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Front	40620	2593.0	50	0	17.00	15.74	0.452	0.604		17.2
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Front	41055	2636.5	1	0	17.00	15.83	0.382	0.500		18.0
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Front	41055	2636.5	50	0	17.00	15.83	0.385	0.504		17.9
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Front	41490	2680.0	1	0	17.00	15.89	0.320	0.413		18.8
AG.1	Ant.F	Body-w orn & Hotspot	QPSK	20	0	5	Front	41490	2680.0	50	0	17.00	15.91	0.324	0.416		18.8
AG.1	Ant.F	Hotspot	QPSK	20	0	10	Top	40185	2549.5	1	0	17.00	15.92	0.417	0.535		17.7
AG.1	Ant.F	Hotspot	QPSK	20	0	10	Top	40185	2549.5	50	0	17.00	15.92	0.448	0.574		17.4

10.2.17. LTE Band 48 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DS	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.E	Head	QPSK	20	2	0	Left Touch	56207	3646.7	1	99	20.00	19.88	0.135	0.139		26.5
AG.1	Ant.E	Head	QPSK	20	2	0	Left Touch	56207	3646.7	50	0	20.00	19.96	0.121	0.122		27.1
AG.1	Ant.E	Head	QPSK	20	2	0	Left Tilt	56207	3646.7	1	99	20.00	19.88	0.159	0.163		25.8
AG.1	Ant.E	Head	QPSK	20	2	0	Left Tilt	56207	3646.7	50	0	20.00	19.96	0.150	0.151		26.2
AG.1	Ant.E	Head	QPSK	20	2	0	Right Touch	56207	3646.7	1	99	20.00	19.88	0.486	0.500		21.0
AG.1	Ant.E	Head	QPSK	20	2	0	Right Touch	56207	3646.7	50	0	20.00	19.96	0.484	0.488		21.1
AG.1	Ant.E	Head	QPSK	20	2	0	Right Tilt	56207	3646.7	1	99	20.00	19.88	0.510	0.524		20.8
AG.1	Ant.E	Head	QPSK	20	2	0	Right Tilt	56207	3646.7	50	0	20.00	19.96	0.543	0.548	32	20.6
AG.1	Ant.E	Head ULCA	QPSK	20	2	0	Right Tilt	56207	3646.7	50	0	20.00	19.84	0.486	0.504		
				20				56009	3626.9	50	50						
AG.1	Ant.E	Body-worn & Hotspot	QPSK	20	0	5	Rear	56207	3646.7	1	99	18.00	17.60	0.525	0.576		18.4
AG.1	Ant.E	Body-worn & Hotspot	QPSK	20	0	5	Rear	56207	3646.7	50	0	18.00	17.64	0.534	0.580	33	18.3
AG.1	Ant.E	Body-worn & Hotspot	QPSK	20	0	5	Front	56207	3646.7	1	99	18.00	17.60	0.345	0.378		20.2
AG.1	Ant.E	Body-worn & Hotspot	QPSK	20	0	5	Front	56207	3646.7	50	0	18.00	17.64	0.353	0.384		20.1
AG.1	Ant.E	Hotspot	QPSK	20	0	10	Top	56207	3646.7	1	99	18.00	17.60	0.264	0.289		21.3
AG.1	Ant.E	Hotspot	QPSK	20	0	10	Top	56207	3646.7	50	0	18.00	17.64	0.272	0.296		21.3
AG.1	Ant.E	Body-worn & Hotspot ULCA	QPSK	20	0	5	Rear	56207	3646.7	50	0	18.00	17.82	0.430	0.448		
				20				56009	3626.9	50	50						

10.2.18. NTN Band 255

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (kHz)	DS	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tone	Offset	Tested Duty Cycle (%)	Worst-case Duty Cycle (%)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Reported SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Body-worn	QPSK	200	0	5	Rear	261505	1626.6	3	9	100.0%	70.76%	19.50	18.38	1.240	1.136			34	15.9
AG.1	Ant.F	Body-worn	QPSK	200	0	5	Rear	261674	1643.5	3	9	100.0%	70.76%	19.50	18.65	1.010	0.869				17.1
AG.1	Ant.F	Body-worn	QPSK	200	0	5	Rear	261843	1660.4	3	9	100.0%	70.76%	19.50	18.58	1.020	0.892				16.9
AG.1	Ant.F	Body-worn	QPSK	200	0	5	Front	261674	1643.5	3	9	100.0%	70.76%	19.50	18.65	0.730	0.628				18.5
AG.1	Ant.F	Product Specific 10-g 0 mm	QPSK	200	0	0	Top	261674	1643.5	3	9	100.0%	70.76%	19.50	18.65			1.290	1.110		20.0

10.2.19. NR Band n71 (35MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	35	2	0	Left Touch	136100	680.5	1	93	25.50	24.18	0.260	0.352		30.0
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	35	2	0	Left Touch	136100	680.5	90	49	25.50	24.35	0.289	0.377	35	<u>29.7</u>
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	35	2	0	Left Tilt	136100	680.5	1	93	25.50	24.18	0.108	0.146		33.8
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	35	2	0	Left Tilt	136100	680.5	90	49	25.50	24.35	0.109	0.142		33.9
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	35	2	0	Right Touch	136100	680.5	1	93	25.50	24.18	0.088	0.119		34.7
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	35	2	0	Right Touch	136100	680.5	90	49	25.50	24.35	0.086	0.112		35.0
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	35	2	0	Right Tilt	136100	680.5	1	93	25.50	24.18	0.071	0.096		35.6
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	35	2	0	Right Tilt	136100	680.5	90	49	25.50	24.35	0.076	0.099		35.5
AG.0	Ant.A+B	Head	CP OFDM QPSK	35	2	0	Left Touch	136100	680.5	1	1	24.00	22.72	0.183	0.246		30.0
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	35	0	5	Rear	136100	680.5	1	93	23.00	22.27	0.461	0.545		<u>25.6</u>
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	35	0	5	Rear	136100	680.5	90	49	23.00	22.47	0.459	0.519		25.8
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	35	0	5	Front	136100	680.5	1	93	23.00	22.27	0.412	0.487		26.1
AG.0	Ant.A+B	Body-worn & Hotspot	DFT-s OFDM QPSK	35	0	5	Front	136100	680.5	90	49	23.00	22.47	0.410	0.463		26.3
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	35	0	10	Bottom	136100	680.5	1	93	23.00	22.27	0.149	0.176		30.5
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	35	0	10	Bottom	136100	680.5	90	49	23.00	22.47	0.145	0.164		30.8
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	35	0	10	Right	136100	680.5	1	93	23.00	22.27	0.148	0.175		30.5
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	35	0	10	Right	136100	680.5	90	49	23.00	22.47	0.141	0.159		30.9
AG.0	Ant.A+B	Body-worn & Hotspot	CP OFDM QPSK	35	0	5	Rear	136100	680.5	1	1	23.00	22.31	0.450	0.527		25.7
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	DFT-s OFDM QPSK	35	2	0	Left Touch	136100	680.5	1	93	25.50	23.69	0.117	0.177		33.0
AG.1	Ant.D	Head	DFT-s OFDM QPSK	35	2	0	Left Touch	136100	680.5	90	49	25.50	23.82	0.149	0.219		<u>32.0</u>
AG.1	Ant.D	Head	DFT-s OFDM QPSK	35	2	0	Left Tilt	136100	680.5	1	93	25.50	23.69	0.076	0.115		34.8
AG.1	Ant.D	Head	DFT-s OFDM QPSK	35	2	0	Left Tilt	136100	680.5	90	49	25.50	23.82	0.105	0.155		33.6
AG.1	Ant.D	Head	DFT-s OFDM QPSK	35	2	0	Right Touch	136100	680.5	1	93	25.50	23.69	0.079	0.120		34.7
AG.1	Ant.D	Head	DFT-s OFDM QPSK	35	2	0	Right Touch	136100	680.5	90	49	25.50	23.82	0.104	0.153		33.6
AG.1	Ant.D	Head	DFT-s OFDM QPSK	35	2	0	Right Tilt	136100	680.5	1	93	25.50	23.69	0.074	0.112		34.9
AG.1	Ant.D	Head	DFT-s OFDM QPSK	35	2	0	Right Tilt	136100	680.5	90	49	25.50	23.82	0.101	0.149		33.7
AG.1	Ant.D	Head	CP OFDM QPSK	35	2	0	Left Touch	136100	680.5	1	1	24.00	22.21	0.088	0.133		32.7
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	35	0	5	Rear	136100	680.5	1	93	23.00	21.50	0.448	0.633	36	<u>24.9</u>
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	35	0	5	Rear	136100	680.5	90	49	23.00	21.64	0.412	0.564		25.4
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	35	0	5	Front	136100	680.5	1	93	23.00	21.50	0.282	0.398		26.9
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	35	0	5	Front	136100	680.5	90	49	23.00	21.64	0.279	0.382		27.1
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	35	0	10	Top	136100	680.5	1	93	23.00	21.50	0.099	0.140		31.5
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	35	0	10	Top	136100	680.5	90	49	23.00	21.64	0.101	0.138		31.5
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	35	0	10	Right	136100	680.5	1	93	23.00	21.50	0.151	0.213		29.7
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	35	0	10	Right	136100	680.5	90	49	23.00	21.64	0.145	0.198		30.0
AG.1	Ant.D	Body-worn & Hotspot	CP OFDM QPSK	35	0	5	Rear	136100	680.5	1	1	23.00	21.47	0.400	0.569		25.4

10.2.20. NR Band n12 (15MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	AntA+B	Head	DFT-s OFDM QPSK	15	2	0	Left Touch	141500	707.5	1	1	25.20	24.24	0.353	0.440		28.7
AG.0	AntA+B	Head	DFT-s OFDM QPSK	15	2	0	Left Touch	141500	707.5	36	21	25.20	24.25	0.368	0.458	37	<u>28.5</u>
AG.0	AntA+B	Head	DFT-s OFDM QPSK	15	2	0	Left Tilt	141500	707.5	1	1	25.20	24.24	0.127	0.158		33.2
AG.0	AntA+B	Head	DFT-s OFDM QPSK	15	2	0	Left Tilt	141500	707.5	36	21	25.20	24.25	0.125	0.156		33.2
AG.0	AntA+B	Head	DFT-s OFDM QPSK	15	2	0	Right Touch	141500	707.5	1	1	25.20	24.24	0.083	0.104		35.0
AG.0	AntA+B	Head	DFT-s OFDM QPSK	15	2	0	Right Touch	141500	707.5	36	21	25.20	24.25	0.090	0.112		34.7
AG.0	AntA+B	Head	DFT-s OFDM QPSK	15	2	0	Right Tilt	141500	707.5	1	1	25.20	24.24	0.076	0.095		35.4
AG.0	AntA+B	Head	DFT-s OFDM QPSK	15	2	0	Right Tilt	141500	707.5	36	21	25.20	24.25	0.086	0.107		34.9
AG.0	AntA+B	Head	CP OFDM QPSK	15	2	0	Left Touch	141500	707.5	1	1	23.70	22.84	0.250	0.305		28.8
AG.0	AntA+B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	0	5	Rear	141500	707.5	1	1	23.00	22.27	0.481	0.569		<u>25.4</u>
AG.0	AntA+B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	0	5	Rear	141500	707.5	36	21	23.00	22.32	0.478	0.559		25.5
AG.0	AntA+B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	0	5	Front	141500	707.5	1	1	23.00	22.27	0.428	0.506		25.9
AG.0	AntA+B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	0	5	Front	141500	707.5	36	21	23.00	22.32	0.428	0.501		26.0
AG.0	AntA+B	Hotspot	DFT-s OFDM QPSK	15	0	10	Bottom	141500	707.5	1	1	23.00	22.27	0.112	0.133		31.7
AG.0	AntA+B	Hotspot	DFT-s OFDM QPSK	15	0	10	Bottom	141500	707.5	36	21	23.00	22.32	0.099	0.116		32.3
AG.0	AntA+B	Hotspot	DFT-s OFDM QPSK	15	0	10	Right	141500	707.5	1	1	23.00	22.27	0.211	0.250		29.0
AG.0	AntA+B	Hotspot	DFT-s OFDM QPSK	15	0	10	Right	141500	707.5	36	21	23.00	22.32	0.202	0.236		29.2
AG.0	AntA+B	Body-worn & Hotspot	CP OFDM QPSK	15	0	5	Rear	141500	707.5	1	1	23.00	22.32	0.462	0.540		25.6
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	DFT-s OFDM QPSK	15	2	0	Left Touch	141500	707.5	1	77	25.20	23.98	0.166	0.220		31.7
AG.1	Ant.D	Head	DFT-s OFDM QPSK	15	2	0	Left Touch	141500	707.5	36	21	25.20	24.01	0.177	0.233		<u>31.5</u>
AG.1	Ant.D	Head	DFT-s OFDM QPSK	15	2	0	Left Tilt	141500	707.5	1	77	25.20	23.98	0.106	0.140		33.7
AG.1	Ant.D	Head	DFT-s OFDM QPSK	15	2	0	Left Tilt	141500	707.5	36	21	25.20	24.01	0.112	0.147		33.5
AG.1	Ant.D	Head	DFT-s OFDM QPSK	15	2	0	Right Touch	141500	707.5	1	77	25.20	23.98	0.092	0.122		34.3
AG.1	Ant.D	Head	DFT-s OFDM QPSK	15	2	0	Right Touch	141500	707.5	36	21	25.20	24.01	0.095	0.125		34.2
AG.1	Ant.D	Head	DFT-s OFDM QPSK	15	2	0	Right Tilt	141500	707.5	1	77	25.20	23.98	0.100	0.132		33.9
AG.1	Ant.D	Head	DFT-s OFDM QPSK	15	2	0	Right Tilt	141500	707.5	36	21	25.20	24.01	0.105	0.138		33.7
AG.1	Ant.D	Head	CP OFDM QPSK	15	2	0	Left Touch	141500	707.5	1	1	23.70	22.62	0.117	0.150		31.9
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	15	0	5	Rear	141500	707.5	1	77	23.00	21.78	0.428	0.567		25.4
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	15	0	5	Rear	141500	707.5	36	21	23.00	21.85	0.456	0.594	38	<u>25.2</u>
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	15	0	5	Front	141500	707.5	1	77	23.00	21.78	0.272	0.360		27.4
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	15	0	5	Front	141500	707.5	36	21	23.00	21.85	0.282	0.367		27.3
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	15	0	10	Top	141500	707.5	1	77	23.00	21.78	0.116	0.154		31.1
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	15	0	10	Top	141500	707.5	36	21	23.00	21.85	0.117	0.152		31.1
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	15	0	10	Right	141500	707.5	1	77	23.00	21.78	0.140	0.185		30.3
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	15	0	10	Right	141500	707.5	36	21	23.00	21.85	0.166	0.216		29.6
AG.1	Ant.D	Body-worn & Hotspot	CP OFDM QPSK	15	0	5	Rear	141500	707.5	1	1	23.00	21.86	0.449	0.584		25.3

10.2.21. NR Band n14 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	10	2	0	Left Touch	158600	793.0	1	1	25.00	24.24	0.495	0.590		27.2
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	10	2	0	Left Touch	158600	793.0	25	13	25.00	24.06	0.555	0.689	39	26.6
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	10	2	0	Left Tilt	158600	793.0	1	1	25.00	24.24	0.129	0.154		33.1
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	10	2	0	Left Tilt	158600	793.0	25	13	25.00	24.06	0.143	0.178		32.5
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	10	2	0	Right Touch	158600	793.0	1	1	25.00	24.24	0.118	0.141		33.5
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	10	2	0	Right Touch	158600	793.0	25	13	25.00	24.06	0.131	0.163		32.8
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	10	2	0	Right Tilt	158600	793.0	1	1	25.00	24.24	0.142	0.169		32.7
AG.0	Ant.A+B	Head	DFT-s OFDM QPSK	10	2	0	Right Tilt	158600	793.0	25	13	25.00	24.06	0.158	0.196		32.0
AG.0	Ant.A+B	Head	CP OFDM QPSK	10	2	0	Left Touch	158600	793.0	1	1	23.50	22.78	0.353	0.417		27.3
AG.0	Ant.A+B	Body-w orn & Hotspot	DFT-s OFDM QPSK	10	0	5	Rear	158600	793.0	1	1	23.00	22.28	0.589	0.695		24.5
AG.0	Ant.A+B	Body-w orn & Hotspot	DFT-s OFDM QPSK	10	0	5	Rear	158600	793.0	25	13	23.00	22.19	0.594	0.716		24.4
AG.0	Ant.A+B	Body-w orn & Hotspot	DFT-s OFDM QPSK	10	0	5	Front	158600	793.0	1	1	23.00	22.28	0.569	0.672		24.7
AG.0	Ant.A+B	Body-w orn & Hotspot	DFT-s OFDM QPSK	10	0	5	Front	158600	793.0	25	13	23.00	22.19	0.581	0.700		24.5
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	10	0	10	Bottom	158600	793.0	1	1	23.00	22.28	0.133	0.157		31.0
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	10	0	10	Bottom	158600	793.0	25	13	23.00	22.19	0.121	0.146		31.3
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	10	0	10	Right	158600	793.0	1	1	23.00	22.28	0.282	0.333		27.7
AG.0	Ant.A+B	Hotspot	DFT-s OFDM QPSK	10	0	10	Right	158600	793.0	25	13	23.00	22.19	0.276	0.333		27.7
AG.0	Ant.A+B	Body-w orn & Hotspot	CP OFDM QPSK	10	0	5	Rear	158600	793.0	1	1	23.00	22.25	0.558	0.663		24.7
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	DFT-s OFDM QPSK	10	2	0	Left Touch	158600	793.0	1	1	25.00	23.40	0.286	0.413		28.8
AG.1	Ant.D	Head	DFT-s OFDM QPSK	10	2	0	Left Touch	158600	793.0	25	13	25.00	23.17	0.294	0.448		28.4
AG.1	Ant.D	Head	DFT-s OFDM QPSK	10	2	0	Left Tilt	158600	793.0	1	1	25.00	23.40	0.176	0.254		30.9
AG.1	Ant.D	Head	DFT-s OFDM QPSK	10	2	0	Left Tilt	158600	793.0	25	13	25.00	23.17	0.151	0.230		31.3
AG.1	Ant.D	Head	DFT-s OFDM QPSK	10	2	0	Right Touch	158600	793.0	1	1	25.00	23.40	0.123	0.178		32.5
AG.1	Ant.D	Head	DFT-s OFDM QPSK	10	2	0	Right Touch	158600	793.0	25	13	25.00	23.17	0.135	0.206		31.8
AG.1	Ant.D	Head	DFT-s OFDM QPSK	10	2	0	Right Tilt	158600	793.0	1	1	25.00	23.40	0.107	0.155		33.1
AG.1	Ant.D	Head	DFT-s OFDM QPSK	10	2	0	Right Tilt	158600	793.0	25	13	25.00	23.17	0.105	0.160		32.9
AG.1	Ant.D	Head	CP OFDM QPSK	10	2	0	Left Touch	158600	793.0	1	1	23.50	21.95	0.199	0.284		28.9
AG.1	Ant.D	Body-w orn & Hotspot	DFT-s OFDM QPSK	10	0	5	Rear	158600	793.0	1	1	23.00	21.21	0.692	1.045		22.8
AG.1	Ant.D	Body-w orn & Hotspot	DFT-s OFDM QPSK	10	0	5	Rear	158600	793.0	25	13	23.00	21.05	0.714	1.119	40	22.5
AG.1	Ant.D	Body-w orn & Hotspot	DFT-s OFDM QPSK	10	0	5	Rear	158600	793.0	50	0	23.00	21.01	0.683	1.080		22.6
AG.1	Ant.D	Body-w orn & Hotspot	DFT-s OFDM QPSK	10	0	5	Front	158600	793.0	1	1	23.00	21.21	0.404	0.610		25.1
AG.1	Ant.D	Body-w orn & Hotspot	DFT-s OFDM QPSK	10	0	5	Front	158600	793.0	25	13	23.00	21.05	0.426	0.667		24.7
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	10	0	10	Top	158600	793.0	1	1	23.00	21.21	0.115	0.174		30.6
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	10	0	10	Top	158600	793.0	25	13	23.00	21.05	0.114	0.179		30.4
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	10	0	10	Right	158600	793.0	1	1	23.00	21.21	0.212	0.320		27.9
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	10	0	10	Right	158600	793.0	25	13	23.00	21.05	0.207	0.324		27.8
AG.1	Ant.D	Body-w orn & Hotspot	CP OFDM QPSK	10	0	5	Rear	158600	793.0	1	1	23.00	21.28	0.722	1.073		22.6

10.2.22. NR Band n26 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Left Touch	166300	831.5	1	1	25.50	24.10	0.588	0.812		26.4
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Left Touch	166300	831.5	50	28	25.50	24.14	0.614	0.840	41	26.2
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Left Touch	166300	831.5	100	0	24.50	23.11	0.501	0.690		26.1
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Left Tilt	166300	831.5	1	1	25.50	24.10	0.153	0.211		32.2
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Left Tilt	166300	831.5	50	28	25.50	24.14	0.150	0.205		32.3
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Right Touch	166300	831.5	1	1	25.50	24.10	0.106	0.146		33.8
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Right Touch	166300	831.5	50	28	25.50	24.14	0.128	0.175		33.0
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Right Tilt	166300	831.5	1	1	25.50	24.10	0.124	0.171		33.1
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Right Tilt	166300	831.5	50	28	25.50	24.14	0.141	0.193		32.6
AG.0	AntA+B	Head	CP OFDM QPSK	20	2	0	Left Touch	166300	831.5	1	1	24.00	22.64	0.413	0.565		26.4
AG.0	AntA+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	0	5	Rear	166300	831.5	1	1	23.00	22.18	0.620	0.749		24.2
AG.0	AntA+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	0	5	Rear	166300	831.5	50	0	23.00	22.17	0.656	0.794		24.0
AG.0	AntA+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	0	5	Front	166300	831.5	1	1	23.00	22.18	0.588	0.710		24.4
AG.0	AntA+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	0	5	Front	166300	831.5	50	0	23.00	22.17	0.613	0.742		24.2
AG.0	AntA+B	Hotspot	DFT-s OFDM QPSK	20	0	10	Bottom	166300	831.5	1	1	23.00	22.18	0.083	0.100		32.9
AG.0	AntA+B	Hotspot	DFT-s OFDM QPSK	20	0	10	Bottom	166300	831.5	50	0	23.00	22.17	0.095	0.115		32.3
AG.0	AntA+B	Hotspot	DFT-s OFDM QPSK	20	0	10	Right	166300	831.5	1	1	23.00	22.18	0.159	0.192		30.1
AG.0	AntA+B	Hotspot	DFT-s OFDM QPSK	20	0	10	Right	166300	831.5	50	0	23.00	22.17	0.229	0.277		28.5
AG.0	AntA+B	Body-worn & Hotspot	CP OFDM QPSK	20	0	5	Rear	166300	831.5	1	1	23.00	22.16	0.623	0.756		24.2
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	2	0	Left Touch	166300	831.5	1	104	25.50	23.61	0.420	0.649		27.3
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	2	0	Left Touch	166300	831.5	50	28	25.50	23.58	0.418	0.650		27.3
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	2	0	Left Tilt	166300	831.5	1	104	25.50	23.61	0.140	0.216		32.1
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	2	0	Left Tilt	166300	831.5	50	28	25.50	23.58	0.154	0.240		31.7
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	2	0	Right Touch	166300	831.5	1	104	25.50	23.61	0.204	0.315		30.5
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	2	0	Right Touch	166300	831.5	50	28	25.50	23.58	0.243	0.378		29.7
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	2	0	Right Tilt	166300	831.5	1	104	25.50	23.61	0.134	0.207		32.3
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	2	0	Right Tilt	166300	831.5	50	28	25.50	23.58	0.161	0.251		31.5
AG.1	Ant.D	Head	CP OFDM QPSK	20	2	0	Left Touch	166300	831.5	1	1	24.00	22.26	0.232	0.346		28.6
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	20	0	5	Rear	166300	831.5	1	1	22.00	20.45	0.520	0.743		23.2
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	20	0	5	Rear	166300	831.5	50	0	22.00	20.47	0.565	0.804	42	22.9
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	20	0	5	Front	166300	831.5	1	1	22.00	20.45	0.388	0.554		24.5
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	20	0	5	Front	166300	831.5	50	0	22.00	20.47	0.408	0.580		24.3
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	20	0	10	Top	166300	831.5	1	1	22.00	20.45	0.099	0.141		30.4
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	20	0	10	Top	166300	831.5	50	0	22.00	20.47	0.110	0.156		30.0
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	20	0	10	Right	166300	831.5	1	1	22.00	20.45	0.235	0.336		26.7
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	20	0	10	Right	166300	831.5	50	0	22.00	20.47	0.236	0.336		26.7
AG.1	Ant.D	Body-worn & Hotspot	CP OFDM QPSK	20	0	5	Rear	166300	831.5	1	1	22.00	20.65	0.492	0.671		23.7

10.2.23. NR Band n5 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Left Touch	167300	836.5	1	1	25.50	24.18	0.597	0.809		26.4
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Left Touch	167300	836.5	50	28	25.50	24.19	0.666	0.900	43	25.9
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Left Touch	167300	836.5	100	0	24.50	23.09	0.514	0.711		25.9
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Left Tilt	167300	836.5	1	1	25.50	24.18	0.156	0.211		32.2
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Left Tilt	167300	836.5	50	28	25.50	24.19	0.155	0.210		32.2
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Right Touch	167300	836.5	1	1	25.50	24.18	0.130	0.176		33.0
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Right Touch	167300	836.5	50	28	25.50	24.19	0.154	0.208		32.3
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Right Tilt	167300	836.5	1	1	25.50	24.18	0.152	0.206		32.3
AG.0	AntA+B	Head	DFT-s OFDM QPSK	20	2	0	Right Tilt	167300	836.5	50	28	25.50	24.19	0.157	0.212		32.2
AG.0	AntA+B	Head	CP OFDM QPSK	20	2	0	Left Touch	167300	836.5	1	1	24.00	22.78	0.391	0.518		26.8
AG.0	AntA+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	0	5	Rear	167300	836.5	1	1	23.00	22.17	0.628	0.760		24.1
AG.0	AntA+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	0	5	Rear	167300	836.5	50	28	23.00	22.20	0.683	0.821	44	23.8
AG.0	AntA+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	0	5	Front	167300	836.5	1	1	23.00	22.17	0.553	0.669		24.7
AG.0	AntA+B	Body-worn & Hotspot	DFT-s OFDM QPSK	20	0	5	Front	167300	836.5	50	28	23.00	22.20	0.514	0.618		25.0
AG.0	AntA+B	Hotspot	DFT-s OFDM QPSK	20	0	10	Bottom	167300	836.5	1	1	23.00	22.17	0.112	0.136		31.6
AG.0	AntA+B	Hotspot	DFT-s OFDM QPSK	20	0	10	Bottom	167300	836.5	50	28	23.00	22.20	0.094	0.113		32.4
AG.0	AntA+B	Hotspot	DFT-s OFDM QPSK	20	0	10	Right	167300	836.5	1	1	23.00	22.17	0.217	0.263		28.8
AG.0	AntA+B	Hotspot	DFT-s OFDM QPSK	20	0	10	Right	167300	836.5	50	28	23.00	22.20	0.222	0.267		28.7
AG.0	AntA+B	Body-worn & Hotspot	CP OFDM QPSK	20	0	5	Rear	167300	836.5	1	1	23.00	22.25	0.687	0.817		23.8
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	2	0	Left Touch	167300	836.5	1	104	25.50	23.69	0.360	0.546		28.1
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	2	0	Left Touch	167300	836.5	50	28	25.50	23.67	0.353	0.538		28.1
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	2	0	Left Tilt	167300	836.5	1	104	25.50	23.69	0.189	0.287		30.9
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	2	0	Left Tilt	167300	836.5	50	28	25.50	23.67	0.184	0.280		31.0
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	2	0	Right Touch	167300	836.5	1	104	25.50	23.69	0.251	0.381		29.6
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	2	0	Right Touch	167300	836.5	50	28	25.50	23.67	0.238	0.363		29.9
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	2	0	Right Tilt	167300	836.5	1	104	25.50	23.69	0.150	0.228		31.9
AG.1	Ant.D	Head	DFT-s OFDM QPSK	20	2	0	Right Tilt	167300	836.5	50	28	25.50	23.67	0.157	0.239		31.7
AG.1	Ant.D	Head	CP OFDM QPSK	20	2	0	Left Touch	167300	836.5	1	1	24.00	22.37	0.285	0.415		27.8
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	20	0	5	Rear	167300	836.5	1	1	22.00	20.49	0.371	0.525		24.7
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	20	0	5	Rear	167300	836.5	50	0	22.00	20.44	0.414	0.593		24.2
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	20	0	5	Front	167300	836.5	1	1	22.00	20.49	0.384	0.544		24.6
AG.1	Ant.D	Body-worn & Hotspot	DFT-s OFDM QPSK	20	0	5	Front	167300	836.5	50	0	22.00	20.44	0.401	0.574		24.4
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	20	0	10	Top	167300	836.5	1	1	22.00	20.49	0.110	0.156		30.0
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	20	0	10	Top	167300	836.5	50	0	22.00	20.44	0.116	0.166		29.7
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	20	0	10	Right	167300	836.5	1	1	22.00	20.49	0.217	0.307		27.1
AG.1	Ant.D	Hotspot	DFT-s OFDM QPSK	20	0	10	Right	167300	836.5	50	0	22.00	20.44	0.162	0.232		28.3
AG.1	Ant.D	Body-worn & Hotspot	CP OFDM QPSK	20	0	5	Rear	167300	836.5	1	1	22.00	20.64	0.431	0.589		24.2

10.2.24. NR Band n7 (50MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Rot. No	Part0 Plimit
AG.0	Ant.B	Head-Flat	DFT-s OFDM QPSK	50	2	5	Left Touch/Tilt	507000	2535.0	1	1	15.50	15.42	0.500	0.509		18.4
AG.0	Ant.B	Head-Flat	DFT-s OFDM QPSK	50	2	5	Left Touch/Tilt	507000	2535.0	135	67	15.50	15.35	0.540	0.559		18.0
AG.0	Ant.B	Head	DFT-s OFDM QPSK	50	2	0	Right Touch	507000	2535.0	1	1	15.50	15.42	0.086	0.088		26.0
AG.0	Ant.B	Head	DFT-s OFDM QPSK	50	2	0	Right Touch	507000	2535.0	135	67	15.50	15.35	0.086	0.089		26.0
AG.0	Ant.B	Head-Flat	DFT-s OFDM QPSK	50	2	5	Right Tilt	507000	2535.0	1	1	15.50	15.42	0.500	0.509		18.4
AG.0	Ant.B	Head-Flat	DFT-s OFDM QPSK	50	2	5	Right Tilt	507000	2535.0	135	67	15.50	15.35	0.540	0.559		18.0
AG.0	Ant.B	Head-Flat	CP OFDM QPSK	50	2	5	Left Touch/Tilt/Right Tilt	507000	2535.0	1	1	15.50	15.42	0.500	0.509		18.4
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	50	0	5	Rear	507000	2535.0	1	1	15.50	15.42	0.500	0.509		18.4
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	50	0	5	Rear	507000	2535.0	135	67	15.50	15.35	0.540	0.559		18.0
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	50	0	5	Front	507000	2535.0	1	1	15.50	15.42	0.243	0.248		21.5
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	50	0	5	Front	507000	2535.0	135	67	15.50	15.35	0.247	0.256		21.4
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	50	0	10	Bottom	507000	2535.0	1	1	15.50	15.42	0.287	0.292		20.8
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	50	0	10	Bottom	507000	2535.0	135	67	15.50	15.35	0.311	0.322		20.4
AG.0	Ant.B	Body-worn & Hotspot	CP OFDM QPSK	50	0	5	Rear	507000	2535.0	1	1	15.50	15.42	0.500	0.509		18.4
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Rot. No	Part0 Plimit
AG.1	Ant.F	Head-Flat	DFT-s OFDM QPSK	50	2	4/25	Left Touch/Tilt	507000	2535.0	1	134	15.00	14.18	0.587	0.709		16.4
AG.1	Ant.F	Head-Flat	DFT-s OFDM QPSK	50	2	4/25	Left Touch/Tilt	507000	2535.0	135	67	15.00	14.18	0.612	0.739	45	16.3
AG.1	Ant.F	Head	DFT-s OFDM QPSK	50	2	0	Right Touch	507000	2535.0	1	134	15.00	14.18	0.184	0.222		21.5
AG.1	Ant.F	Head	DFT-s OFDM QPSK	50	2	0	Right Touch	507000	2535.0	135	67	15.00	14.18	0.187	0.226		21.4
AG.1	Ant.F	Head	DFT-s OFDM QPSK	50	2	0	Right Tilt	507000	2535.0	1	134	15.00	14.18	0.231	0.279		20.5
AG.1	Ant.F	Head	DFT-s OFDM QPSK	50	2	0	Right Tilt	507000	2535.0	135	67	15.00	14.18	0.236	0.285		20.4
AG.1	Ant.F	Head-Flat	CP OFDM QPSK	50	2	4/25	Left Touch/Tilt	507000	2535.0	1	1	15.00	14.49	0.529	0.595		17.2
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	50	0	5	Rear	507000	2535.0	1	134	15.00	14.18	0.580	0.701	46	16.5
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	50	0	5	Rear	507000	2535.0	135	67	15.00	14.18	0.567	0.685		16.6
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	50	0	5	Front	507000	2535.0	1	134	15.00	14.18	0.356	0.430		18.6
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	50	0	5	Front	507000	2535.0	135	67	15.00	14.18	0.354	0.428		18.6
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	50	0	10	Top	507000	2535.0	1	134	15.00	14.18	0.290	0.350		19.5
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	50	0	10	Top	507000	2535.0	135	67	15.00	14.18	0.285	0.344		19.6
AG.1	Ant.F	Body-worn & Hotspot	CP OFDM QPSK	50	0	5	Rear	507000	2535.0	1	1	15.00	14.49	0.578	0.650		16.8

10.2.25. NR Band n66 (45MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.0	Ant.B	Head-Flat	DFT-s OFDM QPSK	45	2	5	Left Touch	349000	1745.0	1	1	16.00	15.55	0.496	0.550		18.5
AG.0	Ant.B	Head-Flat	DFT-s OFDM QPSK	45	2	5	Left Touch	349000	1745.0	120	60	16.00	15.46	0.456	0.516		18.8
AG.0	Ant.B	Head	DFT-s OFDM QPSK	45	2	0	Left Tilt	349000	1745.0	1	1	16.00	15.55	0.132	0.146		24.3
AG.0	Ant.B	Head	DFT-s OFDM QPSK	45	2	0	Left Tilt	349000	1745.0	120	60	16.00	15.46	0.110	0.125		25.0
AG.0	Ant.B	Head	DFT-s OFDM QPSK	45	2	0	Right Touch	349000	1745.0	1	1	16.00	15.55	0.177	0.196		23.0
AG.0	Ant.B	Head	DFT-s OFDM QPSK	45	2	0	Right Touch	349000	1745.0	120	60	16.00	15.46	0.169	0.191		23.1
AG.0	Ant.B	Head	DFT-s OFDM QPSK	45	2	0	Right Tilt	349000	1745.0	1	1	16.00	15.55	0.017	0.019		33.2
AG.0	Ant.B	Head	DFT-s OFDM QPSK	45	2	0	Right Tilt	349000	1745.0	120	60	16.00	15.46	0.058	0.066		27.8
AG.0	Ant.B	Head-Flat	CP OFDM QPSK	45	2	0	Left Touch	349000	1745.0	1	1	16.00	15.71	0.508	0.543		18.6
AG.0	Ant.B	Body-w orn & Hotspot	DFT-s OFDM QPSK	45	0	5	Rear	349000	1745.0	1	1	16.00	15.55	0.496	0.550		18.5
AG.0	Ant.B	Body-w orn & Hotspot	DFT-s OFDM QPSK	45	0	5	Rear	349000	1745.0	120	60	16.00	15.46	0.456	0.516		18.8
AG.0	Ant.B	Body-w orn & Hotspot	DFT-s OFDM QPSK	45	0	5	Front	349000	1745.0	1	1	16.00	15.55	0.384	0.426		19.7
AG.0	Ant.B	Body-w orn & Hotspot	DFT-s OFDM QPSK	45	0	5	Front	349000	1745.0	120	60	16.00	15.46	0.341	0.386		20.1
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	45	0	10	Bottom	349000	1745.0	1	1	16.00	15.55	0.348	0.386		20.1
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	45	0	10	Bottom	349000	1745.0	120	60	16.00	15.46	0.318	0.360		20.4
AG.0	Ant.B	Body-w orn & Hotspot	CP OFDM QPSK	45	0	5	Rear	349000	1745.0	1	1	16.00	15.71	0.508	0.543		18.6
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	2	0	Left Touch	349000	1745.0	1	1	20.00	19.24	0.149	0.177		27.5
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	2	0	Left Touch	349000	1745.0	120	60	20.00	19.16	0.140	0.170		27.6
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	2	0	Left Tilt	349000	1745.0	1	1	20.00	19.24	0.183	0.218		26.6
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	2	0	Left Tilt	349000	1745.0	120	60	20.00	19.16	0.180	0.218		26.6
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	2	0	Right Touch	349000	1745.0	1	1	20.00	19.24	0.525	0.625	47	22.0
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	2	0	Right Touch	349000	1745.0	120	60	20.00	19.16	0.442	0.536		22.7
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	2	0	Right Tilt	349000	1745.0	1	1	20.00	19.24	0.522	0.622		22.0
AG.1	Ant.F	Head	DFT-s OFDM QPSK	45	2	0	Right Tilt	349000	1745.0	120	60	20.00	19.16	0.492	0.597		22.2
AG.1	Ant.F	Head	CP OFDM QPSK	45	2	0	Right Touch	349000	1745.0	1	1	20.00	19.36	0.505	0.585		22.3
AG.1	Ant.F	Body-w orn & Hotspot	DFT-s OFDM QPSK	45	0	5	Rear	349000	1745.0	1	1	16.50	15.69	0.895	1.079	48	16.1
AG.1	Ant.F	Body-w orn & Hotspot	DFT-s OFDM QPSK	45	0	5	Rear	349000	1745.0	120	60	16.50	15.71	0.783	0.939		16.7
AG.1	Ant.F	Body-w orn & Hotspot	DFT-s OFDM QPSK	45	0	5	Rear	349000	1745.0	240	0	16.50	15.65	0.810	0.985		16.5
AG.1	Ant.F	Body-w orn & Hotspot	DFT-s OFDM QPSK	45	0	5	Front	349000	1745.0	1	1	16.50	15.69	0.474	0.571		18.9
AG.1	Ant.F	Body-w orn & Hotspot	DFT-s OFDM QPSK	45	0	5	Front	349000	1745.0	120	60	16.50	15.71	0.413	0.495		19.5
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	45	0	10	Top	349000	1745.0	1	1	16.50	15.69	0.327	0.394		20.5
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	45	0	10	Top	349000	1745.0	120	60	16.50	15.71	0.305	0.366		20.8
AG.1	Ant.F	Body-w orn & Hotspot	CP OFDM QPSK	45	0	5	Rear	349000	1745.0	1	1	16.00	15.79	0.852	0.894		16.4

10.2.26. NR Band n25 (40MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.B	Head-Flat	DFT-s OFDM QPSK	40	2	5	Left Touch	376500	1882.5	1	1	16.50	15.79	0.528	0.622		18.5
AG.0	Ant.B	Head-Flat	DFT-s OFDM QPSK	40	2	5	Left Touch	376500	1882.5	108	54	16.50	15.69	0.529	0.637	49	<u>18.4</u>
AG.0	Ant.B	Head	DFT-s OFDM QPSK	40	2	0	Left Tilt	376500	1882.5	1	1	16.50	15.79	0.093	0.110		26.1
AG.0	Ant.B	Head	DFT-s OFDM QPSK	40	2	0	Left Tilt	376500	1882.5	108	54	16.50	15.69	0.094	0.113		25.9
AG.0	Ant.B	Head	DFT-s OFDM QPSK	40	2	0	Right Touch	376500	1882.5	1	1	16.50	15.79	0.179	0.211		23.2
AG.0	Ant.B	Head	DFT-s OFDM QPSK	40	2	0	Right Touch	376500	1882.5	108	54	16.50	15.69	0.192	0.231		22.8
AG.0	Ant.B	Head	DFT-s OFDM QPSK	40	2	0	Right Tilt	376500	1882.5	1	1	16.50	15.79	0.084	0.099		26.5
AG.0	Ant.B	Head	DFT-s OFDM QPSK	40	2	0	Right Tilt	376500	1882.5	108	54	16.50	15.69	0.093	0.112		26.0
AG.0	Ant.B	Head-Flat	CP OFDM QPSK	40	2	0	Left Touch	376500	1882.5	1	1	16.50	15.94	0.558	0.635		<u>18.4</u>
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Rear	376500	1882.5	1	1	16.50	15.79	0.528	0.622		18.5
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Rear	376500	1882.5	108	54	16.50	15.69	0.529	0.637		<u>18.4</u>
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Front	376500	1882.5	1	1	16.50	15.79	0.325	0.383		20.6
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Front	376500	1882.5	108	54	16.50	15.69	0.319	0.384		20.6
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	40	0	10	Bottom	376500	1882.5	1	1	16.50	15.79	0.292	0.344		21.1
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	40	0	10	Bottom	376500	1882.5	108	54	16.50	15.69	0.292	0.352		21.0
AG.0	Ant.B	Body-worn & Hotspot	CP OFDM QPSK	40	0	5	Rear	376500	1882.5	1	1	16.50	15.94	0.558	0.635		<u>18.4</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	DFT-s OFDM QPSK	40	2	0	Left Touch	376500	1882.5	1	1	20.00	19.39	0.061	0.070		31.5
AG.1	Ant.F	Head	DFT-s OFDM QPSK	40	2	0	Left Touch	376500	1882.5	108	54	20.00	19.36	0.059	0.068		31.6
AG.1	Ant.F	Head	DFT-s OFDM QPSK	40	2	0	Left Tilt	376500	1882.5	1	1	20.00	19.39	0.107	0.123		29.0
AG.1	Ant.F	Head	DFT-s OFDM QPSK	40	2	0	Left Tilt	376500	1882.5	108	54	20.00	19.36	0.096	0.111		29.5
AG.1	Ant.F	Head	DFT-s OFDM QPSK	40	2	0	Right Touch	376500	1882.5	1	1	20.00	19.39	0.361	0.415		<u>23.8</u>
AG.1	Ant.F	Head	DFT-s OFDM QPSK	40	2	0	Right Touch	376500	1882.5	108	54	20.00	19.36	0.325	0.377		24.2
AG.1	Ant.F	Head	DFT-s OFDM QPSK	40	2	0	Right Tilt	376500	1882.5	1	1	20.00	19.39	0.354	0.407		<u>23.8</u>
AG.1	Ant.F	Head	DFT-s OFDM QPSK	40	2	0	Right Tilt	376500	1882.5	108	54	20.00	19.36	0.320	0.371		24.3
AG.1	Ant.F	Head	CP OFDM QPSK	40	2	0	Right Touch	376500	1882.5	1	1	20.00	19.27	0.235	0.278		25.5
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Rear	376500	1882.5	1	1	16.50	15.81	0.616	0.722	50	<u>17.9</u>
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Rear	376500	1882.5	108	54	16.50	15.82	0.557	0.651		18.3
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Front	376500	1882.5	1	1	16.50	15.81	0.313	0.367		20.8
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Front	376500	1882.5	108	54	16.50	15.82	0.296	0.346		21.1
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	40	0	10	Top	376500	1882.5	1	1	16.50	15.81	0.246	0.288		21.9
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	40	0	10	Top	376500	1882.5	108	54	16.50	15.82	0.224	0.262		22.3
AG.1	Ant.F	Body-worn & Hotspot	CP OFDM QPSK	40	0	5	Rear	376500	1882.5	1	1	16.50	15.83	0.607	0.708		<u>17.9</u>

10.2.27. NR Band n30 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot. No	Part0 Limit
AG.0	Ant.B	Head-Flat	DFT-s OFDM QPSK	10	2	5	Left Touch/Tilt	462000	2310.0	1	25	14.50	14.33	0.376	0.391		18.5
AG.0	Ant.B	Head-Flat	DFT-s OFDM QPSK	10	2	5	Left Touch/Tilt	462000	2310.0	25	13	14.50	14.35	0.387	0.401		18.4
AG.0	Ant.B	Head	DFT-s OFDM QPSK	10	2	0	Right Touch	462000	2310.0	1	25	14.50	14.33	0.085	0.088		25.0
AG.0	Ant.B	Head	DFT-s OFDM QPSK	10	2	0	Right Touch	462000	2310.0	25	13	14.50	14.35	0.100	0.104		24.3
AG.0	Ant.B	Head-Flat	DFT-s OFDM QPSK	10	2	5	Right Tilt	462000	2310.0	1	25	14.50	14.33	0.376	0.391		18.5
AG.0	Ant.B	Head-Flat	DFT-s OFDM QPSK	10	2	5	Right Tilt	462000	2310.0	25	13	14.50	14.35	0.387	0.401		18.4
AG.0	Ant.B	Head-Flat	CP OFDM QPSK	10	2	5	Left Touch/Tilt/Right Tilt	462000	2310.0	1	1	14.50	14.29	0.380	0.399		18.4
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	10	0	5	Rear	462000	2310.0	1	25	14.50	14.33	0.376	0.391		18.5
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	10	0	5	Rear	462000	2310.0	25	13	14.50	14.35	0.387	0.401		18.4
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	10	0	5	Front	462000	2310.0	1	25	14.50	14.33	0.274	0.285		19.9
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	10	0	5	Front	462000	2310.0	25	13	14.50	14.35	0.273	0.283		19.9
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	10	0	10	Bottom	462000	2310.0	1	25	14.50	14.33	0.234	0.243		20.6
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	10	0	10	Bottom	462000	2310.0	25	13	14.50	14.35	0.243	0.252		20.4
AG.0	Ant.B	Body-worn & Hotspot	CP OFDM QPSK	10	0	5	Rear	462000	2310.0	1	1	14.50	14.29	0.380	0.399		18.4
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSF	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot. No	Part0 Limit
AG.1	Ant.F	Head-Flat	DFT-s OFDM QPSK	10	2	4/25	Left Touch/Tilt	462000	2310.0	1	50	15.00	14.33	0.463	0.540	51	17.6
AG.1	Ant.F	Head-Flat	DFT-s OFDM QPSK	10	2	4/25	Left Touch/Tilt	462000	2310.0	25	13	15.00	14.45	0.475	0.539		17.6
AG.1	Ant.F	Head	DFT-s OFDM QPSK	10	2	0	Right Touch	462000	2310.0	1	50	15.00	14.33	0.153	0.179		22.4
AG.1	Ant.F	Head	DFT-s OFDM QPSK	10	2	0	Right Touch	462000	2310.0	25	13	15.00	14.45	0.158	0.179		22.4
AG.1	Ant.F	Head	DFT-s OFDM QPSK	10	2	0	Right Tilt	462000	2310.0	1	50	15.00	14.33	0.167	0.195		22.1
AG.1	Ant.F	Head	DFT-s OFDM QPSK	10	2	0	Right Tilt	462000	2310.0	25	13	15.00	14.45	0.176	0.200		21.9
AG.1	Ant.F	Head-Flat	CP OFDM QPSK	10	2	4/25	Left Touch/Tilt	462000	2310.0	1	1	15.00	14.40	0.463	0.532		17.7
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	10	0	5	Rear	462000	2310.0	1	50	15.00	14.33	0.372	0.434		18.6
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	10	0	5	Rear	462000	2310.0	25	13	15.00	14.45	0.385	0.437	52	18.5
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	10	0	5	Front	462000	2310.0	1	50	15.00	14.33	0.224	0.261		20.8
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	10	0	5	Front	462000	2310.0	25	13	15.00	14.45	0.224	0.254		20.9
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	10	0	10	Top	462000	2310.0	1	50	15.00	14.33	0.158	0.184		22.3
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	10	0	10	Top	462000	2310.0	25	13	15.00	14.45	0.153	0.174		22.6
AG.1	Ant.F	Body-worn & Hotspot	CP OFDM QPSK	10	0	5	Rear	462000	2310.0	1	1	15.00	14.40	0.378	0.434		18.6

10.2.28. NR Band n70 (15MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.B	Head-Flat	DFT-s OFDM QPSK	15	2	5	Left Touch	340500	1702.5	1	1	16.50	15.50	0.528	0.665	53	<u>18.2</u>
AG.0	Ant.B	Head-Flat	DFT-s OFDM QPSK	15	2	5	Left Touch	340500	1702.5	36	21	16.50	15.50	0.524	0.660		18.3
AG.0	Ant.B	Head	DFT-s OFDM QPSK	15	2	0	Left Tilt	340500	1702.5	1	1	16.50	15.50	0.116	0.146		24.8
AG.0	Ant.B	Head	DFT-s OFDM QPSK	15	2	0	Left Tilt	340500	1702.5	36	21	16.50	15.50	0.110	0.138		25.0
AG.0	Ant.B	Head	DFT-s OFDM QPSK	15	2	0	Right Touch	340500	1702.5	1	1	16.50	15.50	0.201	0.253		22.4
AG.0	Ant.B	Head	DFT-s OFDM QPSK	15	2	0	Right Touch	340500	1702.5	36	21	16.50	15.50	0.185	0.233		22.8
AG.0	Ant.B	Head	DFT-s OFDM QPSK	15	2	0	Right Tilt	340500	1702.5	1	1	16.50	15.50	0.077	0.097		26.6
AG.0	Ant.B	Head	DFT-s OFDM QPSK	15	2	0	Right Tilt	340500	1702.5	36	21	16.50	15.50	0.064	0.081		27.4
AG.0	Ant.B	Head-Flat	CP OFDM QPSK	15	2	0	Left Touch	340500	1702.5	1	1	16.50	15.42	0.504	0.646		18.3
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	0	5	Rear	340500	1702.5	1	1	16.50	15.50	0.528	0.665		<u>18.2</u>
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	0	5	Rear	340500	1702.5	36	21	16.50	15.50	0.524	0.660		18.3
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	0	5	Front	340500	1702.5	1	1	16.50	15.50	0.398	0.501		19.5
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	15	0	5	Front	340500	1702.5	36	21	16.50	15.50	0.398	0.501		19.5
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	15	0	10	Bottom	340500	1702.5	1	1	16.50	15.50	0.244	0.307		21.6
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	15	0	10	Bottom	340500	1702.5	36	21	16.50	15.50	0.255	0.321		21.4
AG.0	Ant.B	Body-worn & Hotspot	CP OFDM QPSK	15	0	5	Rear	340500	1702.5	1	1	16.50	15.42	0.504	0.646		18.3
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	2	0	Left Touch	340500	1702.5	1	1	20.00	19.55	0.129	0.143		28.4
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	2	0	Left Touch	340500	1702.5	36	21	20.00	19.37	0.140	0.162		27.9
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	2	0	Left Tilt	340500	1702.5	1	1	20.00	19.55	0.156	0.173		27.6
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	2	0	Left Tilt	340500	1702.5	36	21	20.00	19.37	0.174	0.201		26.9
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	2	0	Right Touch	340500	1702.5	1	1	20.00	19.55	0.460	0.510		22.9
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	2	0	Right Touch	340500	1702.5	36	21	20.00	19.37	0.479	0.554		22.5
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	2	0	Right Tilt	340500	1702.5	1	1	20.00	19.55	0.503	0.558		22.5
AG.1	Ant.F	Head	DFT-s OFDM QPSK	15	2	0	Right Tilt	340500	1702.5	36	21	20.00	19.37	0.526	0.608		<u>22.1</u>
AG.1	Ant.F	Head	CP OFDM QPSK	15	2	0	Right Tilt	340500	1702.5	1	1	20.00	19.38	0.500	0.577		22.3
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	15	0	5	Rear	340500	1702.5	1	1	16.50	15.77	0.599	0.709		<u>17.9</u>
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	15	0	5	Rear	340500	1702.5	36	21	16.50	15.80	0.613	0.720	54	<u>17.9</u>
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	15	0	5	Front	340500	1702.5	1	1	16.50	15.77	0.331	0.392		20.5
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	15	0	5	Front	340500	1702.5	36	21	16.50	15.80	0.339	0.398		20.4
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	15	0	10	Top	340500	1702.5	1	1	16.50	15.77	0.229	0.271		22.1
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	15	0	10	Top	340500	1702.5	36	21	16.50	15.80	0.239	0.281		22.0
AG.1	Ant.F	Body-worn & Hotspot	CP OFDM QPSK	15	0	5	Rear	340500	1702.5	1	1	16.50	15.65	0.580	0.705		18.0

10.2.29. NR Band n48 (40MHz Bandwidth)**(Voice/data/SRS1)**

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Left Touch	638000	3570.00	1	1	18.00	17.45	0.156	0.177		25.5
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Left Touch	638000	3570.00	50	0	18.00	17.42	0.161	0.184		25.3
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Left Tilt	638000	3570.00	1	1	18.00	17.45	0.198	0.225		24.4
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Left Tilt	638000	3570.00	50	0	18.00	17.42	0.208	0.238		24.2
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Right Touch	638000	3570.00	1	1	18.00	17.45	0.845	0.959		18.1
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Right Touch	638000	3570.00	50	0	18.00	17.42	0.871	0.995		18.0
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Right Touch	638000	3570.00	100	0	18.00	17.37	0.651	0.753		19.2
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Right Touch	641666	3624.99	1	1	18.00	17.14	0.680	0.829		18.8
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Right Touch	641666	3624.99	50	0	18.00	17.19	0.716	0.863		18.6
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Right Touch	645332	3679.98	1	1	18.00	17.05	0.657	0.818		18.8
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Right Touch	645332	3679.98	50	0	18.00	17.15	0.675	0.821		18.8
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Right Tilt	638000	3570.00	1	1	18.00	17.45	0.776	0.881		18.5
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Right Tilt	638000	3570.00	50	0	18.00	17.42	0.796	0.910		18.4
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Right Tilt	638000	3570.00	100	0	18.00	17.37	0.790	0.913		18.3
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Right Tilt	641666	3624.99	1	1	18.00	17.14	0.817	0.996		18.0
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Right Tilt	641666	3624.99	50	0	18.00	17.19	0.842	1.015	55	17.9
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Right Tilt	645332	3679.98	1	1	18.00	17.05	0.742	0.923		18.3
AG.1	Ant.E	Head	DFT-s OFDM QPSK	40	2	0	Right Tilt	645332	3679.98	50	0	18.00	17.15	0.722	0.878		18.5
AG.1	Ant.E	Head	CP OFDM QPSK	40	2	0	Right Tilt	641666	3624.99	1	1	18.00	17.16	0.762	0.925		18.3
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Rear	638000	3570.00	1	1	16.00	15.37	0.657	0.760		17.1
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Rear	638000	3570.00	50	0	16.00	15.41	0.658	0.754		17.2
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Rear	638000	3570.00	100	0	16.00	15.37	0.574	0.664		17.7
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Rear	641666	3624.99	1	1	16.00	15.09	0.596	0.735		17.3
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Rear	641666	3624.99	50	0	16.00	15.09	0.695	0.857	56	16.6
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Rear	645332	3679.98	1	1	16.00	15.08	0.692	0.855		16.6
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Rear	645332	3679.98	50	0	16.00	15.03	0.685	0.856		16.6
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Front	638000	3570.00	1	1	16.00	15.37	0.429	0.496		19.0
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	40	0	5	Front	638000	3570.00	50	0	16.00	15.41	0.421	0.482		19.1
AG.1	Ant.E	Hotspot	DFT-s OFDM QPSK	40	0	10	Top	638000	3570.00	1	1	16.00	15.37	0.263	0.304		21.1
AG.1	Ant.E	Hotspot	DFT-s OFDM QPSK	40	0	10	Top	638000	3570.00	50	0	16.00	15.41	0.265	0.304		21.1
AG.1	Ant.E	Body-worn & Hotspot	CP OFDM QPSK	40	0	5	Rear	641666	3624.99	1	1	16.00	15.18	0.620	0.749		17.2

(SRS2)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A	Head-Flat	SRS CW	40	2	5	Left Touch/Tilt	638000	3570.00	13.00	12.42	0.233	0.266	57	18.7
AG.0	Ant.A	Head-Flat	SRS CW	40	2	5	Right Touch/Tilt	638000	3570.00	13.00	12.42	0.233	0.266		18.7
AG.0	Ant.A	Body-worn & Hotspot	SRS CW	40	0	5	Rear	638000	3570.00	13.00	12.42	0.233	0.266		18.7
AG.0	Ant.A	Body-worn & Hotspot	SRS CW	40	0	5	Front	638000	3570.00	13.00	12.42	0.155	0.177		20.5
AG.0	Ant.A	Hotspot	SRS CW	40	0	10	Bottom	638000	3570.00	13.00	12.42	0.096	0.110		22.5
AG.0	Ant.A	Hotspot	SRS CW	40	0	10	Right	638000	3570.00	13.00	12.42	0.035	0.040		26.9

(SRS3)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.1	Ant.F	Head	SRS CW	40	2	0	Left Touch	638000	3570.00	13.00	12.60	0.030	0.033		27.8
AG.1	Ant.F	Head	SRS CW	40	2	0	Left Tilt	638000	3570.00	13.00	12.60	0.060	0.066		24.8
AG.1	Ant.F	Head	SRS CW	40	2	0	Right Touch	638000	3570.00	13.00	12.60	0.085	0.093		23.3
AG.1	Ant.F	Head	SRS CW	40	2	0	Right Tilt	638000	3570.00	13.00	12.60	0.103	0.113		22.4
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	40	0	5	Rear	638000	3570.00	13.00	12.60	0.697	0.764		14.1
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	40	0	5	Rear	641666	3624.99	13.00	11.87	0.608	0.789	58	14.0
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	40	0	5	Rear	645332	3679.98	13.00	12.22	0.499	0.597		15.2
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	40	0	5	Front	638000	3570.00	13.00	12.60	0.264	0.289		18.3
AG.1	Ant.F	Hotspot	SRS CW	40	0	10	Top	638000	3570.00	13.00	12.60	0.385	0.422		16.7

(SRS4)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.0	Ant.C	Head-Flat	SRS CW	40	2	5	Left Touch/Tilt	638000	3570.00	13.00	12.51	0.175	0.196		20.0
AG.0	Ant.C	Head-Flat	SRS CW	40	2	5	Right Touch/Tilt	638000	3570.00	13.00	12.51	0.175	0.196		20.0
AG.0	Ant.C	Body-worn & Hotspot	SRS CW	40	0	5	Rear	638000	3570.00	13.00	12.51	0.175	0.196		20.0
AG.0	Ant.C	Body-worn & Hotspot	SRS CW	40	0	5	Front	638000	3570.00	13.00	12.51	0.092	0.103		22.8
AG.0	Ant.C	Hotspot	SRS CW	40	0	10	Bottom	638000	3570.00	13.00	12.51	0.041	0.046		26.3

10.2.30. NR Band n41 (100MHz Bandwidth)**(Voice/data/SRS1)**

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot. No	Part0 Plimit
AG.1	Ant.F	Head-Flat	DFT-s OFDM QPSK	100	2	4/85	Left Touch/Tilt	518598	2592.99	1	1	15.00	14.48	0.765	0.862		15.6
AG.1	Ant.F	Head-Flat	DFT-s OFDM QPSK	100	2	4/85	Left Touch/Tilt	518598	2592.99	135	0	15.00	14.13	0.744	0.909	59	15.4
AG.1	Ant.F	Head-Flat	DFT-s OFDM QPSK	100	2	4/85	Left Touch/Tilt	518598	2592.99	270	0	15.00	13.91	0.695	0.893		15.4
AG.1	Ant.F	Head	DFT-s OFDM QPSK	100	2	0	Right Touch	518598	2592.99	1	1	15.00	14.48	0.119	0.134		23.7
AG.1	Ant.F	Head	DFT-s OFDM QPSK	100	2	0	Right Touch	518598	2592.99	135	0	15.00	14.13	0.106	0.130		23.8
AG.1	Ant.F	Head	DFT-s OFDM QPSK	100	2	0	Right Tilt	518598	2592.99	1	1	15.00	14.48	0.150	0.169		22.7
AG.1	Ant.F	Head	DFT-s OFDM QPSK	100	2	0	Right Tilt	518598	2592.99	135	0	15.00	14.13	0.186	0.227		21.4
AG.1	Ant.F	Head-Flat	CP OFDM QPSK	100	2	4/85	Left Touch/Tilt	518598	2592.99	1	1	15.00	14.47	0.702	0.793		16.0
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Rear	518598	2592.99	1	1	15.00	14.48	0.566	0.638		16.9
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Rear	518598	2592.99	135	0	15.00	14.13	0.451	0.551		17.5
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Front	518598	2592.99	1	1	15.00	14.48	0.296	0.334		19.7
AG.1	Ant.F	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Front	518598	2592.99	135	0	15.00	14.13	0.294	0.359		19.4
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	100	0	10	Top	518598	2592.99	1	1	15.00	14.48	0.265	0.299		20.2
AG.1	Ant.F	Hotspot	DFT-s OFDM QPSK	100	0	10	Top	518598	2592.99	135	0	15.00	14.13	0.243	0.297		20.2
AG.1	Ant.F	Body-worn & Hotspot	CP OFDM QPSK	100	0	5	Rear	518598	2592.99	1	1	15.00	14.47	0.485	0.548		17.6

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot. No	Part0 Plimit
AG.1	Ant.F	Head-Flat	SRS CW	100	2	4/85	Left Touch/Tilt	518598	2592.99	15.00	14.11	0.397	0.487		18.1
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	100	0	5	Rear	518598	2592.99	15.00	14.11	0.802	0.984	60	15.0
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	100	0	5	Front	518598	2592.99	15.00	14.11	0.688	0.844		15.7
AG.1	Ant.F	Hotspot	SRS CW	100	0	10	Top	518598	2592.99	15.00	14.11	0.448	0.550		17.5

Switching (Voice/data/SRS1)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot. No	Part0 Plimit
AG.0	Ant.B	Head-flat	DFT-s OFDM QPSK	100	2	5	Left Touch/Tilt	518598	2592.99	1	1	15.50	15.12	0.592	0.646		17.3
AG.0	Ant.B	Head-flat	DFT-s OFDM QPSK	100	2	5	Left Touch/Tilt	518598	2592.99	135	69	15.50	14.84	0.571	0.665		17.2
AG.0	Ant.B	Head	DFT-s OFDM QPSK	100	2	0	Right Touch	518598	2592.99	1	1	15.50	15.12	0.117	0.128		24.4
AG.0	Ant.B	Head	DFT-s OFDM QPSK	100	2	0	Right Touch	518598	2592.99	135	69	15.50	14.84	0.069	0.080		26.4
AG.0	Ant.B	Head	DFT-s OFDM QPSK	100	2	0	Right Tilt	518598	2592.99	1	1	15.50	15.12	0.059	0.064		27.4
AG.0	Ant.B	Head	DFT-s OFDM QPSK	100	2	0	Right Tilt	518598	2592.99	135	69	15.50	14.84	0.051	0.059		27.7
AG.0	Ant.B	Head-flat	CP OFDM QPSK	100	2	5	Left Touch/Tilt	518598	2592.99	1	1	15.50	15.11	0.594	0.650		17.3
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Rear	518598	2592.99	1	1	15.50	15.12	0.592	0.646		17.3
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Rear	518598	2592.99	135	69	15.50	14.84	0.571	0.665	60	17.2
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Front	518598	2592.99	1	1	15.50	15.12	0.328	0.358		19.9
AG.0	Ant.B	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Front	518598	2592.99	135	69	15.50	14.84	0.289	0.336		20.2
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	100	0	10	Bottom	518598	2592.99	1	1	15.50	15.12	0.345	0.377		19.7
AG.0	Ant.B	Hotspot	DFT-s OFDM QPSK	100	0	10	Bottom	518598	2592.99	135	69	15.50	14.84	0.279	0.325		20.3
AG.0	Ant.B	Body-worn & Hotspot	CP OFDM QPSK	100	0	5	Rear	518598	2592.99	1	1	15.50	15.11	0.594	0.650		17.3

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Body-worn & Hotspot	SRS CW	100	0	5	Rear	518598	2592.99	15.50	14.61	0.407	0.500	18.5

(SRS3)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.1	Ant.E	Head	SRS CW	100	2	0	Left Touch	518598	2592.99	13.00	11.98	0.003	0.004		37.2
AG.1	Ant.E	Head	SRS CW	100	2	0	Left Tilt	518598	2592.99	13.00	11.98	0.000	0.000		91.9
AG.1	Ant.E	Head	SRS CW	100	2	0	Right Touch	518598	2592.99	13.00	11.98	0.059	0.075		24.2
AG.1	Ant.E	Head	SRS CW	100	2	0	Right Tilt	518598	2592.99	13.00	11.98	0.060	0.076	61	<u>24.1</u>
AG.1	Ant.E	Body-worn & Hotspot	SRS CW	100	0	5	Rear	518598	2592.99	13.00	11.98	0.088	0.111		<u>22.5</u>
AG.1	Ant.E	Body-worn & Hotspot	SRS CW	100	0	5	Front	518598	2592.99	13.00	11.98	0.047	0.059		25.2
AG.1	Ant.E	Hotspot	SRS CW	100	0	10	Top	518598	2592.99	13.00	11.98	0.015	0.019		30.2

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.1	Ant.E	Head	SRS CW	100	2	0	Right Tilt	518598	2592.99	13.00	11.93	0.033	0.042		24.7
AG.1	Ant.E	Body-worn & Hotspot	SRS CW	100	0	5	Rear	518598	2592.99	13.00	11.93	0.085	0.109		<u>22.6</u>

(SRS4)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.0	Ant.C	Head-Flat	SRS CW	100	2	5	Left Touch/Tilt	518598	2592.99	13.00	12.54	0.145	0.161		<u>20.9</u>
AG.0	Ant.C	Head-Flat	SRS CW	100	2	5	Right Touch	518598	2592.99	13.00	12.54	0.145	0.161		<u>20.9</u>
AG.0	Ant.C	Head	SRS CW	100	2	0	Right Tilt	518598	2592.99	13.00	12.54	0.000	0.000		N/A
AG.0	Ant.C	Body-worn & Hotspot	SRS CW	100	0	5	Rear	518598	2592.99	13.00	12.54	0.145	0.161	62	<u>20.9</u>
AG.0	Ant.C	Body-worn & Hotspot	SRS CW	100	0	5	Front	518598	2592.99	13.00	12.54	0.076	0.084		23.7
AG.0	Ant.C	Hotspot	SRS CW	100	0	10	Bottom	518598	2592.99	13.00	12.54	0.043	0.048		26.2

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.0	Ant.C	Body-worn & Hotspot	SRS CW	100	0	5	Rear	518598	2592.99	13.00	12.63	0.134	0.146		<u>21.3</u>

10.2.31. NR Band n77 (100MHz Bandwidth)**(Voice/data/SRS1)**

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	2	0	Left Touch	662000	3930.00	1	271	17.00	16.53	0.122	0.136		25.6
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	2	0	Left Touch	662000	3930.00	135	138	17.00	16.19	0.115	0.139		25.5
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	2	0	Left Tilt	662000	3930.00	1	271	17.00	16.53	0.130	0.145		25.3
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	2	0	Left Tilt	662000	3930.00	135	138	17.00	16.19	0.124	0.149		25.2
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	2	0	Right Touch	633334	3500.01	1	271	17.00	16.24	0.617	0.735		18.3
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	2	0	Right Touch	633334	3500.01	135	138	17.00	16.17	0.600	0.726		18.3
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	2	0	Right Touch	650000	3750.00	1	271	17.00	16.43	0.419	0.478		20.2
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	2	0	Right Touch	650000	3750.00	135	138	17.00	16.18	0.431	0.521		19.8
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	2	0	Right Touch	662000	3930.00	1	271	17.00	16.53	0.668	0.744		18.2
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	2	0	Right Touch	662000	3930.00	135	138	17.00	16.19	0.643	0.775	63	18.1
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	2	0	Right Tilt	650000	3750.00	1	271	17.00	16.43	0.368	0.420		20.7
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	2	0	Right Tilt	650000	3750.00	135	138	17.00	16.18	0.381	0.460		20.3
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	2	0	Right Tilt	662000	3930.00	1	271	17.00	16.53	0.620	0.691		18.6
AG.1	Ant.E	Head	DFT-s OFDM QPSK	100	2	0	Right Tilt	662000	3930.00	135	138	17.00	16.19	0.600	0.723		18.4
AG.1	Ant.E	Head	CP OFDM QPSK	100	2	0	Right Touch	662000	3930.00	1	1	17.00	16.05	0.546	0.680		18.6
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Rear	633334	3500.01	1	271	16.00	15.24	0.648	0.772		17.1
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Rear	633334	3500.01	135	138	16.00	15.16	0.674	0.818		16.8
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Rear	650000	3750.00	1	271	16.00	14.92	0.593	0.760		17.1
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Rear	650000	3750.00	135	138	16.00	14.88	0.587	0.760		17.1
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Rear	662000	3930.00	1	271	16.00	15.22	0.725	0.868		16.6
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Rear	662000	3930.00	135	138	16.00	15.13	0.702	0.858		16.6
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Rear	662000	3930.00	270	0	16.00	15.07	0.788	0.976	64	16.1
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Front	662000	3930.00	1	271	16.00	15.22	0.240	0.287		21.4
AG.1	Ant.E	Body-worn & Hotspot	DFT-s OFDM QPSK	100	0	5	Front	662000	3930.00	135	138	16.00	15.13	0.235	0.287		21.4
AG.1	Ant.E	Hotspot	DFT-s OFDM QPSK	100	0	10	Top	662000	3930.00	1	271	16.00	15.22	0.202	0.242		22.1
AG.1	Ant.E	Hotspot	DFT-s OFDM QPSK	100	0	10	Top	662000	3930.00	135	138	16.00	15.13	0.195	0.238		22.2
AG.1	Ant.E	Body-worn & Hotspot	CP OFDM QPSK	100	0	5	Rear	662000	3930.00	1	1	16.00	15.16	0.317	0.385		20.1

(SRS2)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.0	Ant.A	Head-Flat	SRS CW	100	2	5	Left Touch/Tilt	633334	3500.01	13.00	12.36	0.153	0.177		20.5
AG.0	Ant.A	Head-Flat	SRS CW	100	2	5	Left Touch/Tilt	662000	3930.00	13.00	11.69	0.180	0.243	65	19.1
AG.0	Ant.A	Head-Flat	SRS CW	100	2	5	Right Touch/Tilt	633334	3500.01	13.00	12.36	0.153	0.177		20.5
AG.0	Ant.A	Head-Flat	SRS CW	100	2	5	Right Touch/Tilt	662000	3930.00	13.00	11.69	0.180	0.243		19.1
AG.0	Ant.A	Body-worn & Hotspot	SRS CW	100	0	5	Rear	633334	3500.01	13.00	12.36	0.153	0.177		20.5
AG.0	Ant.A	Body-worn & Hotspot	SRS CW	100	0	5	Rear	662000	3930.00	13.00	11.69	0.180	0.243		19.1
AG.0	Ant.A	Body-worn & Hotspot	SRS CW	100	0	5	Front	662000	3930.00	13.00	11.69	0.084	0.114		22.4
AG.0	Ant.A	Hotspot	SRS CW	100	0	10	Bottom	662000	3930.00	13.00	11.69	0.067	0.091		23.4
AG.0	Ant.A	Hotspot	SRS CW	100	0	10	Right	662000	3930.00	13.00	11.69	0.029	0.039		27.0

(SRS3)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.1	Ant.F	Head	SRS CW	100	2	0	Left Touch	662000	3930.00	13.00	12.72	0.023	0.025		29.1
AG.1	Ant.F	Head	SRS CW	100	2	0	Left Tilt	662000	3930.00	13.00	12.72	0.000	0.000		N/A
AG.1	Ant.F	Head	SRS CW	100	2	0	Right Touch	662000	3930.00	13.00	12.72	0.065	0.069		24.5
AG.1	Ant.F	Head	SRS CW	100	2	0	Right Tilt	633334	3500.01	13.00	11.16	0.044	0.067		24.7
AG.1	Ant.F	Head	SRS CW	100	2	0	Right Tilt	662000	3930.00	13.00	12.72	0.066	0.070		24.5
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	100	0	5	Rear	633334	3500.01	13.00	11.16	0.653	0.998	66	13.0
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	100	0	5	Rear	650000	3750.00	13.00	11.96	0.524	0.666		14.7
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	100	0	5	Rear	662000	3930.00	13.00	12.72	0.394	0.420		16.7
AG.1	Ant.F	Body-worn & Hotspot	SRS CW	100	0	5	Front	662000	3930.00	13.00	12.72	0.149	0.159		20.9
AG.1	Ant.F	Hotspot	SRS CW	100	0	10	Top	662000	3930.00	13.00	12.72	0.218	0.233		19.3

(SRS4)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Limit
AG.0	Ant.C	Head-Flat	SRS CW	100	2	5	Left Touch/Tilt	633334	3500.01	13.00	11.96	0.116	0.147		21.3
AG.0	Ant.C	Head-Flat	SRS CW	100	2	5	Left Touch/Tilt	650000	3750.00	13.00	11.89	0.076	0.098		23.0
AG.0	Ant.C	Head-Flat	SRS CW	100	2	5	Right Touch/Tilt	633334	3500.01	13.00	11.96	0.116	0.147		21.3
AG.0	Ant.C	Head-Flat	SRS CW	100	2	5	Right Touch/Tilt	650000	3750.00	13.00	11.89	0.076	0.098		23.0
AG.0	Ant.C	Body-worn & Hotspot	SRS CW	100	0	5	Rear	633334	3500.01	13.00	11.96	0.116	0.147		21.3
AG.0	Ant.C	Body-worn & Hotspot	SRS CW	100	0	5	Rear	650000	3750.00	13.00	11.89	0.076	0.098		23.0
AG.0	Ant.C	Body-worn & Hotspot	SRS CW	100	0	5	Front	650000	3750.00	13.00	11.89	0.051	0.066		24.8
AG.0	Ant.C	Hotspot	SRS CW	100	0	10	Bottom	650000	3750.00	13.00	11.89	0.061	0.079		24.0

10.2.32. Wi-Fi (DTS Band)

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.

DTS SISO

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	802.11b 1Mbps	2	0	Left Touch	6	2437.0	0.028	97.27%	15.50	14.62	0.022	0.028		31.0
AG.1	Ant.D	Head	802.11b 1Mbps	2	0	Left Tilt	6	2437.0	0.023	97.27%	15.50	14.62				
AG.1	Ant.D	Head	802.11b 1Mbps	2	0	Right Touch	6	2437.0	0.022	97.27%	15.50	14.62				
AG.1	Ant.D	Head	802.11b 1Mbps	2	0	Right Tilt	6	2437.0	0.018	97.27%	15.50	14.62				
AG.1	Ant.D	Body-worn & Hotspot	802.11b 1Mbps	0	5	Rear	1	2412.0	1.305	97.27%	18.00	17.63	0.698	0.781		19.0
AG.1	Ant.D	Body-worn & Hotspot	802.11b 1Mbps	0	5	Front	1	2412.0	0.577	97.27%	18.00	17.63	0.424	0.475		21.2
AG.1	Ant.D	Hotspot	802.11b 1Mbps	0	10	Top	1	2412.0	0.077	97.27%	18.00	17.63				
AG.1	Ant.D	Hotspot	802.11b 1Mbps	0	10	Right	1	2412.0	0.387	97.27%	18.00	17.63				
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.G	Head	802.11b 1Mbps	2	0	Left Touch	6	2437.0	0.799	97.27%	15.50	14.57				
AG.1	Ant.G	Head	802.11b 1Mbps	2	0	Left Tilt	1	2412.0	1.090	97.27%	15.50	14.25	0.743	1.019		15.4
AG.1	Ant.G	Head	802.11b 1Mbps	2	0	Left Tilt	6	2437.0	1.090	97.27%	15.50	14.57	0.751	0.956		15.6
AG.1	Ant.G	Head	802.11b 1Mbps	2	0	Right Touch	6	2437.0	0.921	97.27%	15.50	14.57	0.601	0.765		16.6
AG.1	Ant.G	Head	802.11b 1Mbps	2	0	Right Tilt	1	2412.0	1.180	97.27%	15.50	14.25	0.897	1.230	67	14.6
AG.1	Ant.G	Head	802.11b 1Mbps	2	0	Right Tilt	6	2437.0	1.140	97.27%	15.50	14.57	0.773	0.984		15.5
AG.1	Ant.G	Body-worn & Hotspot	802.11b 1Mbps	0	5	Rear	1	2412.0	0.872	97.27%	18.00	17.21	0.617	0.761		19.1
AG.1	Ant.G	Body-worn & Hotspot	802.11b 1Mbps	0	5	Rear	6	2437.0	0.924	97.27%	18.00	17.37	0.767	0.912		18.4
AG.1	Ant.G	Body-worn & Hotspot	802.11b 1Mbps	0	5	Front	6	2437.0	0.598	97.27%	18.00	17.37	0.505	0.600		20.2
AG.1	Ant.G	Hotspot	802.11b 1Mbps	0	10	Top	6	2437.0	0.538	97.27%	18.00	17.37				

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Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D+G	Head	802.11b 1Mbps	2	0	Left Touch	1	2412.0	0.798	97.27%	15.50	14.98	14.16	0.566	0.792		16.5
AG.1	Ant.D+G	Head	802.11b 1Mbps	2	0	Left Touch	11	2462.0	0.927	97.27%	15.50	14.84	14.14	0.609	0.856		16.1
AG.1	Ant.D+G	Head	802.11b 1Mbps	2	0	Left Tilt	1	2412.0	0.899	97.27%	15.50	14.98	14.16	0.657	0.920		15.8
AG.1	Ant.D+G	Head	802.11b 1Mbps	2	0	Left Tilt	11	2462.0	0.903	97.27%	15.50	14.84	14.14	0.689	0.969		15.6
AG.1	Ant.D+G	Head	802.11b 1Mbps	2	0	Right Touch	1	2412.0	0.731	97.27%	15.50	14.98	14.16				
AG.1	Ant.D+G	Head	802.11b 1Mbps	2	0	Right Tilt	1	2412.0	0.969	97.27%	15.50	14.98	14.16	0.695	0.973		15.6
AG.1	Ant.D+G	Head	802.11b 1Mbps	2	0	Right Tilt	11	2462.0	0.804	97.27%	15.50	14.84	14.14	0.631	0.887		16.0
AG.1	Ant.D+G	Body-worn & Hotspot	802.11b 1Mbps	0	5	Rear	1	2412.0	0.755	97.27%	17.00	16.28	15.60	0.621	0.881		17.5
AG.1	Ant.D+G	Body-worn & Hotspot	802.11b 1Mbps	0	5	Rear	11	2462.0	0.879	97.27%	17.00	16.37	15.60	0.718	1.019	68	16.9
AG.1	Ant.D+G	Body-worn & Hotspot	802.11b 1Mbps	0	5	Front	11	2462.0	0.515	97.27%	17.00	16.37	15.60	0.446	0.633		18.9
AG.1	Ant.D+G	Hotspot	802.11b 1Mbps	0	10	Top	11	2462.0	0.527	97.27%	17.00	16.37	15.60	0.397	0.563		19.4
AG.1	Ant.D+G	Hotspot	802.11b 1Mbps	0	10	Right	11	2462.0	0.397	97.27%	17.00	16.37	15.60	0.299	0.424		20.7

10.2.33. Wi-Fi (U-NII Bands)

- 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).
- UNII-1 Hotspot mode is included in UNII-2A's Body SAR results

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Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plmit
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	2	0	Left Touch	58	5290.0	0.087	94.26%	16.00	15.57						
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	2	0	Left Tilt	58	5290.0	0.115	94.26%	16.00	15.57						
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	2	0	Right Touch	58	5290.0	0.382	94.26%	16.00	15.57						
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	2	0	Right Tilt	58	5290.0	0.490	94.26%	16.00	15.57	0.206	0.241				22.1
AG.1	Ant.E	Body-w orn & Hotspot	802.11ac VHT80 MCS0	0	5	Rear	58	5290.0	0.258	94.26%	14.00	12.94	0.208	0.282				19.5
AG.1	Ant.E	Body-w orn & Hotspot	802.11ac VHT80 MCS0	0	5	Front	58	5290.0	0.203	94.26%	14.00	12.94						
AG.1	Ant.E	Hotspot	802.11ac VHT80 MCS0	0	10	Top	58	5290.0	0.093	94.26%	14.00	12.94						
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Top	58	5290.0	2.300	94.26%	14.00	12.94			0.333	0.451		21.4
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plmit
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	2	0	Left Touch	58	5290.0	0.083	94.26%	16.00	15.61						
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	2	0	Left Tilt	58	5290.0	0.189	94.26%	16.00	15.61	0.074	0.085				26.6
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	2	0	Right Touch	58	5290.0	0.086	94.26%	16.00	15.61						
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	2	0	Right Tilt	58	5290.0	0.103	94.26%	16.00	15.61						
AG.1	Ant.D	Body-w orn & Hotspot	802.11ac VHT80 MCS0	0	5	Rear	58	5290.0	0.293	94.26%	14.00	12.68	0.209	0.300				19.2
AG.1	Ant.D	Body-w orn & Hotspot	802.11ac VHT80 MCS0	0	5	Front	58	5290.0	0.252	94.26%	14.00	12.68						
AG.1	Ant.D	Hotspot	802.11ac VHT80 MCS0	0	10	Top	58	5290.0	0.103	94.26%	14.00	12.68						
AG.1	Ant.D	Hotspot	802.11ac VHT80 MCS0	0	10	Right	58	5290.0	0.013	94.26%	14.00	12.68						
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Top	58	5290.0	1.480	94.26%	14.00	12.68			0.240	0.345		22.6
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Right	58	5290.0	0.140	94.26%	14.00	12.68						

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Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plmit
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	2	0	Left Touch	58	5290.0	0.454	94.26%	16.00	15.42	15.56						
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	2	0	Left Tilt	58	5290.0	0.144	94.26%	16.00	15.42	15.56						
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	2	0	Right Touch	58	5290.0	0.583	94.26%	16.00	15.42	15.56						
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	2	0	Right Tilt	58	5290.0	0.660	94.26%	16.00	15.42	15.56	0.275	0.333			69	20.7
AG.1	Ant.D+E	Body-w orn & Hotspot	802.11ac VHT80 MCS0	0	5	Rear	58	5290.0	0.466	94.26%	14.00	12.75	12.98	0.331	0.468			70	17.2
AG.1	Ant.D+E	Body-w orn & Hotspot	802.11ac VHT80 MCS0	0	5	Front	58	5290.0	0.363	94.26%	14.00	12.75	12.98	0.242	0.342				18.6
AG.1	Ant.D+E	Hotspot	802.11ac VHT80 MCS0	0	10	Top	58	5290.0	0.196	94.26%	14.00	12.75	12.98						
AG.1	Ant.D+E	Hotspot	802.11ac VHT80 MCS0	0	10	Right	58	5290.0	0.026	94.26%	14.00	12.75	12.98						
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Top	58	5290.0	1.670	94.26%	14.00	12.75	12.98			0.381	0.539		20.6
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Right	58	5290.0	0.135	94.26%	14.00	12.75	12.98						

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Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	2	0	Left Touch	106	5530.0	0.168	94.26%	16.00	15.68						
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	2	0	Left Tilt	106	5530.0	0.174	94.26%	16.00	15.68						
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	2	0	Right Touch	106	5530.0	0.687	94.26%	16.00	15.68	0.291	0.332				<u>20.7</u>
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	2	0	Right Tilt	106	5530.0	0.615	94.26%	16.00	15.68						
AG.1	Ant.E	Body-w orn	802.11ac VHT80 MCS0	0	5	Rear	106	5530.0	0.523	94.26%	14.00	13.23	0.408	0.517			71	<u>16.8</u>
AG.1	Ant.E	Body-w orn	802.11ac VHT80 MCS0	0	5	Front	106	5530.0	0.519	94.26%	14.00	13.23	0.403	0.510				16.9
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Top	106	5530.0	2.480	94.26%	14.00	13.23			0.400	0.507		<u>20.9</u>
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	2	0	Left Touch	138	5690.0	0.094	94.26%	16.00	15.58	0.027	0.032				<u>31.0</u>
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	2	0	Left Tilt	138	5690.0	0.062	94.26%	16.00	15.58						
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	2	0	Right Touch	138	5690.0	0.047	94.26%	16.00	15.58						
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	2	0	Right Tilt	138	5690.0	0.065	94.26%	16.00	15.58						
AG.1	Ant.D	Body-w orn	802.11ac VHT80 MCS0	0	5	Rear	122	5610.0	0.210	94.26%	14.00	12.93						
AG.1	Ant.D	Body-w orn	802.11ac VHT80 MCS0	0	5	Front	122	5610.0	0.323	94.26%	14.00	12.93	0.234	0.318				<u>18.9</u>
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Top	122	5610.0	0.952	94.26%	14.00	12.93			0.149	0.202		<u>24.9</u>
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Right	122	5610.0	0.442	94.26%	14.00	12.93						

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Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	2	0	Left Touch	106	5530.0	0.404	94.26%	16.00	15.56	15.42						
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	2	0	Left Tilt	106	5530.0	0.182	94.26%	16.00	15.56	15.42						
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	2	0	Right Touch	106	5530.0	0.730	94.26%	16.00	15.56	15.42						
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	2	0	Right Tilt	106	5530.0	0.826	94.26%	16.00	15.56	15.42	0.329	0.399			72	<u>19.9</u>
AG.1	Ant.D+E	Body-w orn	802.11ac VHT80 MCS0	0	5	Rear	122	5610.0	0.434	94.26%	14.00	13.07	12.76	0.344	0.486				<u>17.1</u>
AG.1	Ant.D+E	Body-w orn	802.11ac VHT80 MCS0	0	5	Front	122	5610.0	0.407	94.26%	14.00	13.07	12.76	0.295	0.416				17.8
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Top	122	5610.0	3.350	94.26%	14.00	13.07	12.76			0.526	0.742		<u>19.2</u>
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Right	122	5610.0	0.353	94.26%	14.00	13.07	12.76						

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Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	2	0	Left Touch	155	5775.0	0.086	94.26%	16.00	15.70				
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	2	0	Left Tilt	155	5775.0	0.102	94.26%	16.00	15.70				
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	2	0	Right Touch	155	5775.0	0.370	94.26%	16.00	15.70				
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	2	0	Right Tilt	155	5775.0	0.385	94.26%	16.00	15.70	0.260	0.296		21.2
AG.1	Ant.E	Body-worn & Hotspot	802.11ac VHT80 MCS0	0	5	Rear	155	5775.0	0.863	94.26%	14.00	12.86	0.300	0.414		17.8
AG.1	Ant.E	Body-worn & Hotspot	802.11ac VHT80 MCS0	0	5	Front	155	5775.0	0.719	94.26%	14.00	12.86	0.317	0.437		17.5
AG.1	Ant.E	Hotspot	802.11ac VHT80 MCS0	0	10	Top	155	5775.0	0.267	94.26%	14.00	12.86				
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	2	0	Left Touch	155	5775.0	0.333	94.26%	16.00	15.54	0.092	0.109		25.6
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	2	0	Left Tilt	155	5775.0	0.143	94.26%	16.00	15.54				
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	2	0	Right Touch	155	5775.0	0.074	94.26%	16.00	15.54				
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	2	0	Right Tilt	155	5775.0	0.301	94.26%	16.00	15.54				
AG.1	Ant.D	Body-worn & Hotspot	802.11ac VHT80 MCS0	0	5	Rear	155	5775.0	0.175	94.26%	14.00	13.08				
AG.1	Ant.D	Body-worn & Hotspot	802.11ac VHT80 MCS0	0	5	Front	155	5775.0	0.251	94.26%	14.00	13.08	0.175	0.229		20.3
AG.1	Ant.D	Hotspot	802.11ac VHT80 MCS0	0	10	Top	155	5775.0	0.098	94.26%	14.00	13.08				
AG.1	Ant.D	Hotspot	802.11ac VHT80 MCS0	0	10	Right	155	5775.0	0.045	94.26%	14.00	13.08				

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Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	2	0	Left Touch	155	5775.0	0.195	94.26%	16.00	15.56	14.83				
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	2	0	Left Tilt	155	5775.0	0.099	94.26%	16.00	15.56	14.83				
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	2	0	Right Touch	155	5775.0	0.220	94.26%	16.00	15.56	14.83				
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	2	0	Right Tilt	155	5775.0	0.279	94.26%	16.00	15.56	14.83	0.220	0.306	73	21.1
AG.1	Ant.D+E	Body-worn & Hotspot	802.11ac VHT80 MCS0	0	5	Rear	155	5775.0	0.340	94.26%	14.00	13.19	12.82				
AG.1	Ant.D+E	Body-worn & Hotspot	802.11ac VHT80 MCS0	0	5	Front	155	5775.0	0.344	94.26%	14.00	13.19	12.82	0.256	0.356	74	18.4
AG.1	Ant.D+E	Hotspot	802.11ac VHT80 MCS0	0	10	Top	155	5775.0	0.152	94.26%	14.00	13.19	12.82				
AG.1	Ant.D+E	Hotspot	802.11ac VHT80 MCS0	0	10	Right	155	5775.0	0.049	94.26%	14.00	13.19	12.82				

U-NII 4 SISO

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	2	0	Left Touch	171	5855.0	0.110	94.26%	16.00	15.21						
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	2	0	Left Tilt	171	5855.0	0.123	94.26%	16.00	15.21						
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	2	0	Right Touch	171	5855.0	0.572	94.26%	16.00	15.21						
AG.1	Ant.E	Head	802.11ac VHT80 MCS0	2	0	Right Tilt	171	5855.0	0.716	94.26%	16.00	15.21	0.266	0.339			75	20.7
AG.1	Ant.E	Body-worn	802.11ac VHT80 MCS0	0	5	Rear	171	5855.0	0.368	94.26%	14.00	12.83	0.350	0.486			76	17.1
AG.1	Ant.E	Body-worn	802.11ac VHT80 MCS0	0	5	Front	171	5855.0	0.299	94.26%	14.00	12.83	0.237	0.329				18.8
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Top	171	5855.0	2.610	94.26%	14.00	12.83			0.403	0.560		20.4
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	2	0	Left Touch	171	5855.0	0.096	94.26%	16.00	15.44						
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	2	0	Left Tilt	171	5855.0	0.113	94.26%	16.00	15.44						
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	2	0	Right Touch	171	5855.0	0.174	94.26%	16.00	15.44						
AG.1	Ant.D	Head	802.11ac VHT80 MCS0	2	0	Right Tilt	171	5855.0	0.208	94.26%	16.00	15.44	0.076	0.092				26.3
AG.1	Ant.D	Body-worn	802.11ac VHT80 MCS0	0	5	Rear	171	5855.0	0.165	94.26%	14.00	12.94						
AG.1	Ant.D	Body-worn	802.11ac VHT80 MCS0	0	5	Front	171	5855.0	0.266	94.26%	14.00	12.94	0.196	0.265				19.7
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Top	171	5855.0	0.696	94.26%	14.00	12.94			0.113	0.153		26.1
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Right	171	5855.0	0.707	94.26%	14.00	12.94						

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Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	2	0	Left Touch	171	5855.0	0.171	94.26%	16.00	15.52	15.21						
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	2	0	Left Tilt	171	5855.0	0.170	94.26%	16.00	15.52	15.21						
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	2	0	Right Touch	171	5855.0	0.602	94.26%	16.00	15.52	15.21						
AG.1	Ant.D+E	Head	802.11ac VHT80 MCS0	2	0	Right Tilt	171	5855.0	0.657	94.26%	16.00	15.52	15.21	0.254	0.323				20.9
AG.1	Ant.D+E	Body-worn	802.11ac VHT80 MCS0	0	5	Rear	171	5855.0	0.300	94.26%	14.00	13.07	12.62	0.274	0.399				17.9
AG.1	Ant.D+E	Body-worn	802.11ac VHT80 MCS0	0	5	Front	171	5855.0	0.281	94.26%	14.00	13.07	12.62						
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Top	171	5855.0	2.760	94.26%	14.00	13.07	12.62			0.418	0.609		20.1
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Right	171	5855.0	0.777	94.26%	14.00	13.07	12.62						

10.2.34. Wi-Fi (U-NII 6 GHz Bands)

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).

U-NII 5/6/7/8 SISO Ant.1

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Plmit
AG.1	Ant.E	Head	802.11be EHT320 MCS0	2	0	Left Touch	159	6745.0	0.039	99.18%	12.50	11.56						
AG.1	Ant.E	Head	802.11be EHT320 MCS0	2	0	Left Tilt	159	6745.0	0.058	99.18%	12.50	11.56						
AG.1	Ant.E	Head	802.11be EHT320 MCS0	2	0	Right Touch	31	6105.0	0.068	99.18%	12.50	11.55	0.079	0.099				22.5
AG.1	Ant.E	Head	802.11be EHT320 MCS0	2	0	Right Touch	63	6265.0	0.067	99.18%	12.50	11.29	0.078	0.104				22.3
AG.1	Ant.E	Head	802.11be EHT320 MCS0	2	0	Right Touch	127	6585.0	0.101	99.18%	12.50	11.35	0.090	0.118				21.7
AG.1	Ant.E	Head	802.11be EHT320 MCS0	2	0	Right Touch	159	6745.0	0.104	99.18%	12.50	11.56	0.124	0.155				20.5
AG.1	Ant.E	Head	802.11be EHT320 MCS0	2	0	Right Touch	191	6905.0	0.135	99.18%	12.50	11.37	0.104	0.136				21.1
AG.1	Ant.E	Head	802.11be EHT320 MCS0	2	0	Right Tilt	159	6745.0	0.033	99.18%	12.50	11.56						
AG.1	Ant.E	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Rear	159	6745.0	0.086	99.18%	12.50	11.56						
AG.1	Ant.E	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	31	6105.0	0.245	99.18%	12.50	11.55	0.162	0.203				19.4
AG.1	Ant.E	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	63	6265.0	0.240	99.18%	12.50	11.29	0.154	0.205				19.3
AG.1	Ant.E	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	127	6585.0	0.296	99.18%	12.50	11.35	0.221	0.290				17.8
AG.1	Ant.E	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	159	6745.0	0.376	99.18%	12.50	11.56	0.287	0.359				16.9
AG.1	Ant.E	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	191	6905.0	0.421	99.18%	12.50	11.37	0.295	0.386				16.6
AG.1	Ant.E	Hotspot	802.11be EHT320 MCS0	0	10	Top	159	6745.0	0.085	99.18%	12.50	11.56						
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	31	6105.0	0.408	99.18%	12.50	11.55			0.081	0.102		26.4
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	63	6265.0	0.656	99.18%	12.50	11.29			0.081	0.108		26.1
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	127	6585.0	0.544	99.18%	12.50	11.35			0.071	0.093		26.7
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	159	6745.0	0.510	99.18%	12.50	11.56			0.087	0.109		26.1
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	191	6905.0	0.398	99.18%	12.50	11.37			0.061	0.080		27.4
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	31	6105.0	1.220	99.18%	12.50	11.55			0.215	0.270		22.1
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	63	6265.0	1.150	99.18%	12.50	11.29			0.189	0.252		22.4
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	127	6585.0	1.420	99.18%	12.50	11.35			0.257	0.338		21.1
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	159	6745.0	1.530	99.18%	12.50	11.56			0.284	0.356		20.9
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	191	6905.0	1.540	99.18%	12.50	11.37			0.288	0.377		20.7
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Top	159	6745.0	1.110	99.18%	12.50	11.56						

U-NII 5/6/7/8 SISO Ant.2

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Port No.	Part0 Plimit
AG.1	Ant.D	Head-Flat	802.11be EHT320 MCS0	2	0	Left Touch/Tilt	31	6105.0	0.518	99.18%	12.50	11.62	0.329	0.406				16.4
AG.1	Ant.D	Head-Flat	802.11be EHT320 MCS0	2	0	Left Touch/Tilt	63	6265.0	0.536	99.18%	12.50	11.18	0.360	0.492			77	15.5
AG.1	Ant.D	Head-Flat	802.11be EHT320 MCS0	2	0	Left Touch/Tilt	127	6585.0	0.562	99.18%	12.50	11.34	0.330	0.435				16.1
AG.1	Ant.D	Head-Flat	802.11be EHT320 MCS0	2	0	Left Touch/Tilt	159	6745.0	0.570	99.18%	12.50	11.35	0.322	0.423				16.2
AG.1	Ant.D	Head-Flat	802.11be EHT320 MCS0	2	0	Left Touch/Tilt	191	6905.0	0.431	99.18%	12.50	11.66	0.238	0.291				17.8
AG.1	Ant.D	Head	802.11be EHT320 MCS0	2	0	Right Touch	191	6905.0	0.023	99.18%	12.50	11.66						
AG.1	Ant.D	Head	802.11be EHT320 MCS0	2	0	Right Tilt	191	6905.0	0.033	99.18%	12.50	11.66						
AG.1	Ant.D	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Rear	191	6905.0	0.204	99.18%	12.50	11.66						
AG.1	Ant.D	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	31	6105.0	0.220	99.18%	12.50	11.62	0.148	0.183				19.8
AG.1	Ant.D	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	63	6265.0	0.178	99.18%	12.50	11.18	0.108	0.148				20.8
AG.1	Ant.D	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	127	6585.0	0.247	99.18%	12.50	11.34	0.173	0.228				18.9
AG.1	Ant.D	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	159	6745.0	0.304	99.18%	12.50	11.35	0.243	0.319				17.4
AG.1	Ant.D	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	191	6905.0	0.301	99.18%	12.50	11.66	0.261	0.319				17.4
AG.1	Ant.D	Hotspot	802.11be EHT320 MCS0	0	10	Top	191	6905.0	0.027	99.18%	12.50	11.66						
AG.1	Ant.D	Hotspot	802.11be EHT320 MCS0	0	10	Right	191	6905.0	0.035	99.18%	12.50	11.66						
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	31	6105.0	0.518	99.18%	12.50	11.62	0.329	0.406	0.101	0.125		25.5
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	63	6265.0	0.536	99.18%	12.50	11.18	0.360	0.492	0.096	0.131		25.3
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	127	6585.0	0.562	99.18%	12.50	11.34	0.330	0.435	0.085	0.112		25.9
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	159	6745.0	0.570	99.18%	12.50	11.35	0.322	0.423	0.082	0.108		26.1
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	191	6905.0	0.431	99.18%	12.50	11.66	0.238	0.291	0.059	0.072		27.8
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	31	6105.0	0.985	99.18%	12.50	11.62			0.299	0.369		20.8
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	63	6265.0	0.972	99.18%	12.50	11.18			0.228	0.312		21.5
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	127	6585.0	1.200	99.18%	12.50	11.34			0.288	0.379		20.6
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	159	6745.0	1.620	99.18%	12.50	11.35			0.352	0.463	78	19.8
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	191	6905.0	1.500	99.18%	12.50	11.66			0.289	0.354		20.9
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Top	191	6905.0	0.709	99.18%	12.50	11.66						
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Right	191	6905.0	0.436	99.18%	12.50	11.66						

U-NII 5/6/7/8 MIMO

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Plot No.	Part0 Limit
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	2	0	Left Touch	63	6265.0	0.038	99.18%	12.50	11.76	11.69						
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	2	0	Left Tilt	63	6265.0	0.071	99.18%	12.50	11.76	11.69						
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	2	0	Right Touch	31	6105.0	0.067	99.18%	12.50	11.53	11.57	0.088	0.111				22.0
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	2	0	Right Touch	63	6265.0	0.072	99.18%	12.50	11.76	11.69	0.091	0.111				22.0
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	2	0	Right Touch	127	6585.0	0.111	99.18%	12.50	11.39	11.51	0.083	0.108				22.1
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	2	0	Right Touch	159	6745.0	0.097	99.18%	12.50	11.30	11.74	0.081	0.108				22.1
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	2	0	Right Touch	191	6905.0	0.132	99.18%	12.50	11.02	11.41	0.000	0.000				
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	2	0	Right Tilt	63	6265.0	0.080	99.18%	12.50	11.76	11.69						
AG.1	Ant.D+E	Body-w or m & Hotspot	802.11be EHT320 MCS0	0	5	Rear	63	6265.0	0.324	99.18%	12.50	11.76	11.69	0.221	0.269				18.2
AG.1	Ant.D+E	Body-w or m & Hotspot	802.11be EHT320 MCS0	0	5	Front	31	6105.0	0.263	99.18%	12.50	11.53	11.57	0.191	0.241				18.6
AG.1	Ant.D+E	Body-w or m & Hotspot	802.11be EHT320 MCS0	0	5	Front	63	6265.0	0.245	99.18%	12.50	11.76	11.69	0.172	0.209				19.2
AG.1	Ant.D+E	Body-w or m & Hotspot	802.11be EHT320 MCS0	0	5	Front	127	6585.0	0.319	99.18%	12.50	11.39	11.51	0.206	0.268				18.2
AG.1	Ant.D+E	Body-w or m & Hotspot	802.11be EHT320 MCS0	0	5	Front	159	6745.0	0.437	99.18%	12.50	11.30	11.74	0.302	0.401				16.4
AG.1	Ant.D+E	Body-w or m & Hotspot	802.11be EHT320 MCS0	0	5	Front	191	6905.0	0.394	99.18%	12.50	11.02	11.41	0.312	0.442			79	16.0
AG.1	Ant.D+E	Hotspot	802.11be EHT320 MCS0	0	10	Top	63	6265.0	0.079	99.18%	12.50	11.76	11.69						
AG.1	Ant.D+E	Hotspot	802.11be EHT320 MCS0	0	10	Right	63	6265.0	0.050	99.18%	12.50	11.76	11.69						
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	63	6265.0	0.426	99.18%	12.50	11.76	11.69						
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	63	6265.0	1.140	99.18%	12.50	11.76	11.69						
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Top	31	6105.0	1.490	99.18%	12.50	11.53	11.57			0.245	0.309		21.5
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Top	63	6265.0	1.580	99.18%	12.50	11.76	11.69			0.259	0.315		21.5
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Top	127	6585.0	1.390	99.18%	12.50	11.39	11.51			0.223	0.290		21.8
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Top	159	6745.0	1.390	99.18%	12.50	11.30	11.74			0.216	0.287		21.8
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Top	191	6905.0	0.949	99.18%	12.50	11.02	11.41			0.179	0.254		22.4
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Right	63	6265.0	0.860	99.18%	12.50	11.76	11.69						

10.2.35. Bluetooth

Bluetooth SISO

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D	Head	BLE	2	0	Left Touch	37	2402.0	85.03%	14.00	12.52	0.031	0.045		27.5
AG.1	Ant.D	Head-Flat	BLE	2	4/25	Left Tilt	37	2402.0	85.03%	14.00	12.52	0.205	0.295		19.3
AG.1	Ant.D	Head	BLE	2	0	Right Touch	37	2402.0	85.03%	14.00	12.52	0.025	0.036		28.4
AG.1	Ant.D	Head	BLE	2	0	Right Tilt	37	2402.0	85.03%	14.00	12.52	0.020	0.029		29.4
AG.1	Ant.D	Body-w orn & Hotspot	BLE	0	5	Rear	37	2402.0	85.03%	17.00	16.94	0.793	0.823		17.8
AG.1	Ant.D	Body-w orn & Hotspot	BLE	0	5	Rear	17	2440.0	85.03%	17.00	16.62	0.560	0.625		19.0
AG.1	Ant.D	Body-w orn & Hotspot	BLE	0	5	Rear	39	2480.0	85.03%	17.00	16.82	0.900	0.960		17.1
AG.1	Ant.D	Body-w orn & Hotspot	BLE	0	5	Front	37	2402.0	85.03%	17.00	16.94	0.531	0.551		19.5
AG.1	Ant.D	Hotspot	BLE	0	10	Top	37	2402.0	85.03%	17.00	16.94	0.035	0.036		31.4
AG.1	Ant.D	Hotspot	BLE	0	10	Right	17	2440.0	85.03%	17.00	16.62	0.445	0.497		20.0
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.G	Head	BLE	2	0	Left Touch	17	2440.0	85.03%	14.00	13.61	0.515	0.576		16.3
AG.1	Ant.G	Head	BLE	2	0	Left Tilt	17	2440.0	85.03%	14.00	13.61	0.684	0.766	80	15.1
AG.1	Ant.G	Head	BLE	2	0	Right Touch	17	2440.0	85.03%	14.00	13.61	0.472	0.528		16.7
AG.1	Ant.G	Head	BLE	2	0	Right Tilt	17	2440.0	85.03%	14.00	13.61	0.565	0.632		15.9
AG.1	Ant.G	Body-w orn & Hotspot	BLE	0	5	Rear	37	2402.0	85.03%	17.00	16.81	0.891	0.952		17.2
AG.1	Ant.G	Body-w orn & Hotspot	BLE	0	5	Rear	17	2440.0	85.03%	17.00	16.69	1.060	1.165	81	16.3
AG.1	Ant.G	Body-w orn & Hotspot	BLE	0	5	Rear	39	2480.0	85.03%	17.00	15.99	0.805	1.039		16.8
AG.1	Ant.G	Body-w orn & Hotspot	BLE	0	5	Front	37	2402.0	85.03%	17.00	16.81	0.813	0.869		17.6
AG.1	Ant.G	Body-w orn & Hotspot	BLE	0	5	Front	17	2440.0	85.03%	17.00	16.69	0.821	0.902		17.4
AG.1	Ant.G	Body-w orn & Hotspot	BLE	0	5	Front	39	2480.0	85.03%	17.00	15.99	0.761	0.982		17.0
AG.1	Ant.G	Hotspot	BLE	0	10	Top	37	2402.0	85.03%	17.00	16.81	0.570	0.609		19.1

Bluetooth MIMO

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 1-g (W/kg)	Reported SAR 1-g (W/kg)	Plot No.	Part0 Plimit
AG.1	Ant.D+G	Head	BDR	2	0	Left Touch	0	2402.0	76.61%	14.00	12.70	13.47	0.555	0.772		15.1
AG.1	Ant.D+G	Head	BDR	2	0	Left Tilt	0	2402.0	76.61%	14.00	12.70	13.47	0.422	0.587		16.3
AG.1	Ant.D+G	Head	BDR	2	0	Right Touch	0	2402.0	76.61%	14.00	12.70	13.47	0.492	0.684		15.6
AG.1	Ant.D+G	Head	BDR	2	0	Right Tilt	0	2402.0	76.61%	14.00	12.70	13.47	0.556	0.773		15.1
AG.1	Ant.D+G	Body-w orn & Hotspot	BDR	0	5	Rear	0	2402.0	76.61%	14.50	13.43	14.45	0.270	0.356		18.9
AG.1	Ant.D+G	Body-w orn & Hotspot	BDR	0	5	Front	0	2402.0	76.61%	14.50	13.43	14.45	0.245	0.323		19.4
AG.1	Ant.D+G	Hotspot	BDR	0	10	Top	0	2402.0	76.61%	14.50	13.43	14.45	0.176	0.232		20.8
AG.1	Ant.D+G	Hotspot	BDR	0	10	Right	0	2402.0	76.61%	14.50	13.43	14.45	0.024	0.032		29.4

10.2.36. NFC

Antenna Group	Antenna	RF Exposure Conditions	Distance (mm)	Test Position	Type/Bitrate	Frequency (MHz)	Measured SAR 10-g (W/kg)	Plot No.
ER	NFC	Product Specific 10-g 0 mm	0	Rear	A type / 106	13.56	0.014	82
ER	NFC	Product Specific 10-g 0 mm	0	Front	A type / 106	13.56	0.000	
ER	NFC	Product Specific 10-g 0 mm	0	Top	A type / 106	13.56	0.000	

10.2.37. UWB

Antenna Group	Antenna	RF Exposure Conditions	Mode	Distance (mm)	Test Position	Channel	Frequency (MHz)	Measured SAR 1-g (W/kg)	Measured SAR 10-g (W/kg)	Measured APD (mW/cm ²)	Plot No.
ER	UWB	Product Specific 10-g 0 mm	CW	0	Rear	5	6489.6	0.002	0.000	0.002	
ER	UWB	Product Specific 10-g 0 mm	CW	0	Rear	9	7987.2	0.002	0.000	0.001	
ER	UWB	Product Specific 10-g 0 mm	CW	0	Front	5	6489.6	0.003	0.000	0.002	
ER	UWB	Product Specific 10-g 0 mm	CW	0	Front	9	7987.2	0.004	0.002	0.003	83
ER	UWB	Product Specific 10-g 0 mm	CW	0	Top	5	6489.6		0.000	0.001	
ER	UWB	Product Specific 10-g 0 mm	CW	0	Top	9	7987.2		0.000	0.001	

11. Measured and Reported (Scaled) APD Results

APD test considerations

1. APD (Absorbed Power Density) over 4cm² averaging area is reported based on SAR measurements. So test configuration is same as SAR test plan.
2. 10.0 W/m² = 1.0 mW/cm²

11.1 Folder Close APD Results

11.1.1. Wi-Fi (U-NII 6GHz Bands)

U-NII 5/6/7/8 SISO Ant.1

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured APD (mW/cm ²)	Reported APD (mW/cm ²)	Plot No.
AG.1	Ant.E	Head	802.11be EHT320 MCS0	3	0	Left Touch	159	6745.0	0.101	99.18%	12.50	11.56			
AG.1	Ant.E	Head	802.11be EHT320 MCS0	3	0	Left Tilt	31	6105.0	0.073	99.18%	12.50	11.55	0.0471	0.0591	
AG.1	Ant.E	Head	802.11be EHT320 MCS0	3	0	Left Tilt	63	6265.0	0.044	99.18%	12.50	11.29	0.0280	0.0373	
AG.1	Ant.E	Head	802.11be EHT320 MCS0	3	0	Left Tilt	127	6585.0	0.032	99.18%	12.50	11.35	0.0031	0.0041	
AG.1	Ant.E	Head	802.11be EHT320 MCS0	3	0	Left Tilt	159	6745.0	0.159	99.18%	12.50	11.56	0.0607	0.0760	
AG.1	Ant.E	Head	802.11be EHT320 MCS0	3	0	Left Tilt	191	6905.0	0.043	99.18%	12.50	11.37	0.0062	0.0081	
AG.1	Ant.E	Head	802.11be EHT320 MCS0	3	0	Right Touch	159	6745.0	0.109	99.18%	12.50	11.56			
AG.1	Ant.E	Head	802.11be EHT320 MCS0	3	0	Right Tilt	159	6745.0	0.115	99.18%	12.50	11.56			
AG.1	Ant.E	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Rear	31	6105.0	0.132	99.18%	12.50	11.55	0.0635	0.0797	
AG.1	Ant.E	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Rear	63	6265.0	0.101	99.18%	12.50	11.29	0.0338	0.0450	
AG.1	Ant.E	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Rear	127	6585.0	0.264	99.18%	12.50	11.35	0.0928	0.1219	
AG.1	Ant.E	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Rear	159	6745.0	0.305	99.18%	12.50	11.56	0.0118	0.0148	
AG.1	Ant.E	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Rear	191	6905.0	0.307	99.18%	12.50	11.37	0.0124	0.0162	
AG.1	Ant.E	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Front	159	6745.0	0.058	99.18%	12.50	11.56			
AG.1	Ant.E	Hotspot	802.11be EHT320 MCS0	1	10	Top	159	6745.0	0.071	99.18%	12.50	11.56			
AG.1	Ant.E	Hotspot	802.11be EHT320 MCS0	1	10	Left	159	6745.0	0.038	99.18%	12.50	11.56			
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Rear	159	6745.0	1.100	99.18%	12.50	11.56			
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Front	159	6745.0	0.400	99.18%	12.50	11.56			
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	31	6105.0	0.762	99.18%	12.50	11.55	0.4200	0.5270	
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	63	6265.0	0.871	99.18%	12.50	11.29	0.3400	0.4530	
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	127	6585.0	1.580	99.18%	12.50	11.35	0.5710	0.7503	
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	159	6745.0	1.760	99.18%	12.50	11.56	0.7260	0.9089	
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	191	6905.0	1.100	99.18%	12.50	11.37	0.5320	0.6958	
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Left	159	6745.0	0.052	99.18%	12.50	11.56			

Wi-Fi (U-NII 6 GHz Band) (Continued)**U-NII 5/6/7/8 SISO Ant.2**

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured APD (mW/cm ²)	Reported APD (mW/cm ²)	Plot No.
AG.1	Ant.D	Head	802.11be EHT320 MCS0	3	0	Left Touch	191	6905.0	0.101	99.18%	12.50	11.66			
AG.1	Ant.D	Head	802.11be EHT320 MCS0	3	0	Left Tilt	191	6905.0	0.077	99.18%	12.50	11.66			
AG.1	Ant.D	Head	802.11be EHT320 MCS0	3	0	Right Touch	31	6105.0	0.063	99.18%	12.50	11.62	0.0008	0.0010	
AG.1	Ant.D	Head	802.11be EHT320 MCS0	3	0	Right Touch	63	6265.0	0.047	99.18%	12.50	11.18	0.0065	0.0089	
AG.1	Ant.D	Head	802.11be EHT320 MCS0	3	0	Right Touch	127	6585.0	0.051	99.18%	12.50	11.34	0.0045	0.0059	
AG.1	Ant.D	Head	802.11be EHT320 MCS0	3	0	Right Touch	159	6745.0	0.063	99.18%	12.50	11.35	0.0104	0.0137	
AG.1	Ant.D	Head	802.11be EHT320 MCS0	3	0	Right Touch	191	6905.0	0.151	99.18%	12.50	11.66	0.0151	0.0185	
AG.1	Ant.D	Head	802.11be EHT320 MCS0	3	0	Right Tilt	191	6905.0	0.104	99.18%	12.50	11.66			
AG.1	Ant.D	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Rear	31	6105.0	0.174	99.18%	12.50	11.62	0.0790	0.0975	
AG.1	Ant.D	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Rear	63	6265.0	0.211	99.18%	12.50	11.18	0.0918	0.1254	
AG.1	Ant.D	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Rear	127	6585.0	0.186	99.18%	12.50	11.34	0.1020	0.1343	
AG.1	Ant.D	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Rear	159	6745.0	0.175	99.18%	12.50	11.35	0.0838	0.1101	
AG.1	Ant.D	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Rear	191	6905.0	0.227	99.18%	12.50	11.66	0.1150	0.1407	
AG.1	Ant.D	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Front	191	6905.0	0.058	99.18%	12.50	11.66			
AG.1	Ant.D	Hotspot	802.11be EHT320 MCS0	1	10	Top	191	6905.0	0.059	99.18%	12.50	11.66			
AG.1	Ant.D	Hotspot	802.11be EHT320 MCS0	1	10	Right	191	6905.0	0.026	99.18%	12.50	11.66			
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Rear	191	6905.0	1.210	99.18%	12.50	11.66			
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Front	191	6905.0	0.142	99.18%	12.50	11.66			
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	31	6105.0	0.989	99.18%	12.50	11.62	0.3510	0.4334	
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	63	6265.0	0.838	99.18%	12.50	11.18	0.3200	0.4373	
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	127	6585.0	1.780	99.18%	12.50	11.34	0.5790	0.7625	
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	159	6745.0	2.220	99.18%	12.50	11.35	0.7420	0.9750	
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	191	6905.0	1.660	99.18%	12.50	11.66	0.5910	0.7231	
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Right	191	6905.0	0.424	99.18%	12.50	11.66			

Wi-Fi (U-NII 6 GHz Band) (Continued)**U-NII 5/6/7/8 MIMO**

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured APD (mW/cm2)	Reported APD (mW/cm2)	Plot No.
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	3	0	Left Touch	63	6265.0	0.174	99.18%	12.50	11.76	11.69			
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	3	0	Left Tilt	31	6105.0	0.099	99.18%	12.50	11.53	11.57	0.0706	0.0890	82
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	3	0	Left Tilt	63	6265.0	0.213	99.18%	12.50	11.76	11.69	0.0479	0.0582	
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	3	0	Left Tilt	127	6585.0	0.108	99.18%	12.50	11.39	11.51	0.0418	0.0544	
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	3	0	Left Tilt	159	6745.0	0.123	99.18%	12.50	11.30	11.74	0.0439	0.0584	
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	3	0	Left Tilt	191	6905.0	0.112	99.18%	12.50	11.02	11.41	0.0455	0.0645	
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	3	0	Right Touch	63	6265.0	0.191	99.18%	12.50	11.76	11.69			
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	3	0	Right Tilt	63	6265.0	0.125	99.18%	12.50	11.76	11.69			
AG.1	Ant.D+E	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Rear	31	6105.0	0.305	99.18%	12.50	11.53	11.57	0.1490	0.1878	
AG.1	Ant.D+E	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Rear	63	6265.0	0.309	99.18%	12.50	11.76	11.69	0.1610	0.1956	83
AG.1	Ant.D+E	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Rear	127	6585.0	0.254	99.18%	12.50	11.39	11.51	0.1150	0.1497	
AG.1	Ant.D+E	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Rear	159	6745.0	0.258	99.18%	12.50	11.30	11.74	0.1350	0.1794	
AG.1	Ant.D+E	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Rear	191	6905.0	0.158	99.18%	12.50	11.02	11.41	0.0800	0.1134	
AG.1	Ant.D+E	Body-worn & Hotspot	802.11be EHT320 MCS0	1	5	Front	63	6265.0	0.049	99.18%	12.50	11.76	11.69			
AG.1	Ant.D+E	Hotspot	802.11be EHT320 MCS0	1	10	Top	63	6265.0	0.036	99.18%	12.50	11.76	11.69			
AG.1	Ant.D+E	Hotspot	802.11be EHT320 MCS0	1	10	Left	63	6265.0	0.032	99.18%	12.50	11.76	11.69			
AG.1	Ant.D+E	Hotspot	802.11be EHT320 MCS0	1	10	Right	63	6265.0	0.032	99.18%	12.50	11.76	11.69			
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Rear	63	6265.0	1.010	99.18%	12.50	11.76	11.69			
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Front	63	6265.0	0.618	99.18%	12.50	11.76	11.69			
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	31	6105.0	1.000	99.18%	12.50	11.53	11.57	0.4240	0.5345	
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	63	6265.0	1.060	99.18%	12.50	11.76	11.69	0.4420	0.5370	
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	127	6585.0	2.230	99.18%	12.50	11.39	11.51	0.8080	1.0520	
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	159	6745.0	2.550	99.18%	12.50	11.30	11.74	0.7730	1.0275	
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Top	191	6905.0	2.130	99.18%	12.50	11.02	11.41	0.7490	1.0619	84
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Left	63	6265.0	0.051	99.18%	12.50	11.76	11.69			
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	1	0	Right	63	6265.0	0.628	99.18%	12.50	11.76	11.69			

11.1.2. UWB

Antenna Group	Antenna	RF Exposure Conditions	Mode	Distance (mm)	Test Position	Channel	Measured APD (mW/cm2)	Plot No.
ER	UWB	Product Specific 10-g 0 mm	CW	0	Rear	5	0.019	
ER	UWB	Product Specific 10-g 0 mm	CW	0	Rear	9	0.052	
ER	UWB	Product Specific 10-g 0 mm	CW	0	Front	5	0.027	
ER	UWB	Product Specific 10-g 0 mm	CW	0	Front	9	0.064	88
ER	UWB	Product Specific 10-g 0 mm	CW	0	Top	5	0.036	
ER	UWB	Product Specific 10-g 0 mm	CW	0	Top	9	0.054	

11.2. Folder Open APD Results

11.2.1. Wi-Fi (U-NII 6GHz Bands)

U-NII 5/6/7/8 SISO APD results

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured APD (mW/cm ²)	Reported APD (mW/cm ²)	Plot No.	APD Part0 Limit
AG.1	Ant.E	Head	802.11be EHT320 MCS0	2	0	Left Touch	159	6745.0	0.039	99.18%	12.50	11.56				
AG.1	Ant.E	Head	802.11be EHT320 MCS0	2	0	Left Tilt	159	6745.0	0.058	99.18%	12.50	11.56				
AG.1	Ant.E	Head	802.11be EHT320 MCS0	2	0	Right Touch	31	6105.0	0.068	99.18%	12.50	11.55	0.0445	0.0558		26.0
AG.1	Ant.E	Head	802.11be EHT320 MCS0	2	0	Right Touch	63	6265.0	0.067	99.18%	12.50	11.29	0.0435	0.0580		25.8
AG.1	Ant.E	Head	802.11be EHT320 MCS0	2	0	Right Touch	127	6585.0	0.101	99.18%	12.50	11.35	0.5890	0.7739		14.6
AG.1	Ant.E	Head	802.11be EHT320 MCS0	2	0	Right Touch	159	6745.0	0.104	99.18%	12.50	11.56	0.0767	0.0960		23.6
AG.1	Ant.E	Head	802.11be EHT320 MCS0	2	0	Right Touch	191	6905.0	0.135	99.18%	12.50	11.37	0.0660	0.0863		24.1
AG.1	Ant.E	Head	802.11be EHT320 MCS0	2	0	Right Tilt	159	6745.0	0.033	99.18%	12.50	11.56				
AG.1	Ant.E	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Rear	159	6745.0	0.086	99.18%	12.50	11.56				
AG.1	Ant.E	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	31	6105.0	0.245	99.18%	12.50	11.55	0.0938	0.1177		22.7
AG.1	Ant.E	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	63	6265.0	0.240	99.18%	12.50	11.29	0.1540	0.2052		20.3
AG.1	Ant.E	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	127	6585.0	0.296	99.18%	12.50	11.35	0.1340	0.1761		21.0
AG.1	Ant.E	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	159	6745.0	0.376	99.18%	12.50	11.56	0.1850	0.2316		19.8
AG.1	Ant.E	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	191	6905.0	0.421	99.18%	12.50	11.37	0.1900	0.2485		19.5
AG.1	Ant.E	Hotspot	802.11be EHT320 MCS0	0	10	Top	159	6745.0	0.085	99.18%	12.50	11.56				
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	31	6105.0	0.408	99.18%	12.50	11.55	0.1850	0.2321		19.8
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	63	6265.0	0.656	99.18%	12.50	11.29	0.1930	0.2571		19.4
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	127	6585.0	0.544	99.18%	12.50	11.35	0.1650	0.2168		20.1
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	159	6745.0	0.510	99.18%	12.50	11.56	0.2000	0.2504		19.5
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	191	6905.0	0.398	99.18%	12.50	11.37	0.1420	0.1857		20.8
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	31	6105.0	1.220	99.18%	12.50	11.55	0.5020	0.6299		15.5
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	63	6265.0	1.150	99.18%	12.50	11.29	0.4420	0.5889		15.8
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	127	6585.0	1.420	99.18%	12.50	11.35	0.6000	0.7884		14.5
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	159	6745.0	1.530	99.18%	12.50	11.56	0.6620	0.8288		14.3
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	191	6905.0	1.540	99.18%	12.50	11.37	0.6680	0.8737		14.0
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Top	159	6745.0	1.110	99.18%	12.50	11.56				

U-NII 5/6/7/8 SISO APD results (Continued)

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured APD (mW/cm ²)	Reported APD (mW/cm ²)	Plot No.	APD Part 0 Plimit
AG.1	Ant.D	Head-Flat	802.11be EHT320 MCS0	2	0	Left Touch/Tilt	31	6105.0	0.000	99.18%	12.50	11.62	0.2350	0.2902		18.8
AG.1	Ant.D	Head-Flat	802.11be EHT320 MCS0	2	0	Left Touch/Tilt	63	6265.0	0.000	99.18%	12.50	11.18	0.2260	0.3088	77	18.6
AG.1	Ant.D	Head-Flat	802.11be EHT320 MCS0	2	0	Left Touch/Tilt	127	6585.0	0.000	99.18%	12.50	11.34	0.1990	0.2621		19.3
AG.1	Ant.D	Head-Flat	802.11be EHT320 MCS0	2	0	Left Touch/Tilt	159	6745.0	0.000	99.18%	12.50	11.35	0.1930	0.2536		19.4
AG.1	Ant.D	Head-Flat	802.11be EHT320 MCS0	2	0	Left Touch/Tilt	191	6905.0	0.049	99.18%	12.50	11.66	0.1380	0.1688		21.2
AG.1	Ant.D	Head	802.11be EHT320 MCS0	2	0	Right Touch	191	6905.0	0.023	99.18%	12.50	11.66				
AG.1	Ant.D	Head	802.11be EHT320 MCS0	2	0	Right Tilt	191	6905.0	0.033	99.18%	12.50	11.66				
AG.1	Ant.D	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Rear	191	6905.0	0.204	99.18%	12.50	11.66				
AG.1	Ant.D	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	31	6105.0	0.220	99.18%	12.50	11.62	0.0952	0.1176		22.8
AG.1	Ant.D	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	63	6265.0	0.178	99.18%	12.50	11.18	0.0633	0.0865		24.1
AG.1	Ant.D	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	127	6585.0	0.247	99.18%	12.50	11.34	0.1070	0.1409		22.0
AG.1	Ant.D	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	159	6745.0	0.304	99.18%	12.50	11.35	0.1430	0.1879		20.7
AG.1	Ant.D	Body-w orn & Hotspot	802.11be EHT320 MCS0	0	5	Front	191	6905.0	0.301	99.18%	12.50	11.66	0.1540	0.1884		20.7
AG.1	Ant.D	Hotspot	802.11be EHT320 MCS0	0	10	Top	191	6905.0	0.027	99.18%	12.50	11.66				
AG.1	Ant.D	Hotspot	802.11be EHT320 MCS0	0	10	Right	191	6905.0	0.035	99.18%	12.50	11.66				
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	31	6105.0	0.518	99.18%	12.50	11.62	0.2350	0.2902		18.8
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	63	6265.0	0.536	99.18%	12.50	11.18	0.2260	0.3088		18.6
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	127	6585.0	0.562	99.18%	12.50	11.34	0.1990	0.2621		19.3
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	159	6745.0	0.570	99.18%	12.50	11.35	0.1930	0.2536		19.4
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	191	6905.0	0.431	99.18%	12.50	11.66	0.1380	0.1688		21.2
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	31	6105.0	0.985	99.18%	12.50	11.62	0.6850	0.8458		14.2
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	63	6265.0	0.972	99.18%	12.50	11.18	0.5180	0.7078		15.0
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	127	6585.0	1.200	99.18%	12.50	11.34	0.6680	0.8798		14.0
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	159	6745.0	1.620	99.18%	12.50	11.35	0.8240	1.0827	78	13.1
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	191	6905.0	1.500	99.18%	12.50	11.66	0.6770	0.8283		14.3
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Top	191	6905.0	0.709	99.18%	12.50	11.66				
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Right	191	6905.0	0.436	99.18%	12.50	11.66				

U-NII 5/6/7/8 MIMO APD results

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured APD (mW/cm ²)	Reported APD (mW/cm ²)	Plot No.	APD Part0 Plimit
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	2	0	Left Touch	63	6265.0	0.038	99.18%	12.50	11.76	11.69				
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	2	0	Left Tilt	63	6265.0	0.071	99.18%	12.50	11.76	11.69				
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	2	0	Right Touch	31	6105.0	0.067	99.18%	12.50	11.53	11.57	0.0545	0.0687		25.1
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	2	0	Right Touch	63	6265.0	0.072	99.18%	12.50	11.76	11.69	0.0519	0.0631		25.5
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	2	0	Right Touch	127	6585.0	0.111	99.18%	12.50	11.39	11.51	0.0506	0.0659		25.3
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	2	0	Right Touch	159	6745.0	0.097	99.18%	12.50	11.30	11.74	0.0529	0.0703		25.0
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	2	0	Right Touch	191	6905.0	0.132	99.18%	12.50	11.02	11.41	0.0004	0.0006		45.9
AG.1	Ant.D+E	Head	802.11be EHT320 MCS0	2	0	Right Tilt	63	6265.0	0.080	99.18%	12.50	11.76	11.69				
AG.1	Ant.D+E	Body-worn & Hotspot	802.11be EHT320 MCS0	0	5	Rear	63	6265.0	0.324	99.18%	12.50	11.76	11.69				
AG.1	Ant.D+E	Body-worn & Hotspot	802.11be EHT320 MCS0	0	5	Front	31	6105.0	0.263	99.18%	12.50	11.53	11.57	0.1220	0.1538		21.6
AG.1	Ant.D+E	Body-worn & Hotspot	802.11be EHT320 MCS0	0	5	Front	63	6265.0	0.245	99.18%	12.50	11.76	11.69	0.1060	0.1288		22.4
AG.1	Ant.D+E	Body-worn & Hotspot	802.11be EHT320 MCS0	0	5	Front	127	6585.0	0.319	99.18%	12.50	11.39	11.51	0.1330	0.1732		21.1
AG.1	Ant.D+E	Body-worn & Hotspot	802.11be EHT320 MCS0	0	5	Front	159	6745.0	0.437	99.18%	12.50	11.30	11.74	0.1840	0.2446		19.6
AG.1	Ant.D+E	Body-worn & Hotspot	802.11be EHT320 MCS0	0	5	Front	191	6905.0	0.394	99.18%	12.50	11.02	11.41	0.1960	0.2779	79	19.0
AG.1	Ant.D+E	Hotspot	802.11be EHT320 MCS0	0	10	Top	63	6265.0	0.079	99.18%	12.50	11.76	11.69				
AG.1	Ant.D+E	Hotspot	802.11be EHT320 MCS0	0	10	Right	63	6265.0	0.050	99.18%	12.50	11.76	11.69				
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Rear	63	6265.0	0.426	99.18%	12.50	11.76	11.69				
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Front	63	6265.0	1.140	99.18%	12.50	11.76	11.69				
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Top	31	6105.0	1.490	99.18%	12.50	11.53	11.57	0.5760	0.7261		14.8
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Top	63	6265.0	1.580	99.18%	12.50	11.76	11.69	0.6110	0.7424		14.7
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Top	127	6585.0	1.390	99.18%	12.50	11.39	11.51	0.5210	0.6783		15.1
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Top	159	6745.0	1.390	99.18%	12.50	11.30	11.74	0.5050	0.6712		15.2
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Top	191	6905.0	0.949	99.18%	12.50	11.02	11.41	0.4170	0.5912		15.7
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11be EHT320 MCS0	0	0	Right	63	6265.0	0.860	99.18%	12.50	11.76	11.69				

11.2.2. UWB

Antenna Group	Antenna	RF Exposure Conditions	Mode	Distance (mm)	Test Position	Channel	Frequency (MHz)	Measured APD (mW/cm ²)	Plot No.
ER	UWB	Product Specific 10-g 0 mm	CW	0	Rear	5	6489.6	0.002	
ER	UWB	Product Specific 10-g 0 mm	CW	0	Rear	9	7987.2	0.001	
ER	UWB	Product Specific 10-g 0 mm	CW	0	Front	5	6489.6	0.002	
ER	UWB	Product Specific 10-g 0 mm	CW	0	Front	9	7987.2	0.003	83
ER	UWB	Product Specific 10-g 0 mm	CW	0	Top	5	6489.6	0.001	
ER	UWB	Product Specific 10-g 0 mm	CW	0	Top	9	7987.2	0.001	

12. Measured and Reported (Scaled) IPD Results

IPD test considerations

1. $10.0 \text{ W/m}^2 = 1.0 \text{ mW/cm}^2$.
2. Incident Power density results were scaled according to IEC 62479 : 2020 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 1.53 dB (42.3%) was used to determine the psPD measurement scaling factor.
3. Power density test data were scaled to tune-up limit using measurement system tool.
4. Incident power density (IPD) was measured/calculated at d=2mm with ESR Algorithm.
5. IPD tested at highest SAR configuration based on U-NII 6GHz Band/UWB SAR test results in Sec.10.

12.1. Folder Close IPD Results

12.1.1. Wi-Fi (U-NII 6GHz Bands)

U-NII 5/6/7/8 SISO

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Duty Cycle (%)	Grid Step (Lamda)	Meas. Normal psPD (mW/cm2)	Scaled. Normal psPD (mW/cm2)	Meas. Total psPD (mW/cm2)	scaled. Total psPD (mW/cm2)	Scaling factor for Measurement Uncertainty per IEC 62479	Scaled Normal psPD (mW/cm2)	Scaled Total psPD (mW/cm2)	Plot No.
Ant.E	IPD (Incident PD)	802.11be EHT320	2.00	Top	159	6745.0	12.50	11.56	99.18%	0.05	0.1070	0.1152	0.2130	0.2293	1.123	0.1294	0.2575	
Ant.D	IPD (Incident PD)	802.11be EHT320	2.00	Top	159	6745.0	12.50	11.56	99.18%	0.05	0.0346	0.0391	0.0924	0.1044	1.123	0.0439	0.1173	

U-NII 5/6/7/8 MIMO

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Ant.1 Meas. (dBm)	Ant.2 Meas. (dBm)	Duty Cycle (%)	Grid Step (Lamda)	Meas. Normal psPD (mW/cm2)	Scaled. Normal psPD (mW/cm2)	Meas. Total psPD (mW/cm2)	scaled. Total psPD (mW/cm2)	Scaling factor for Measurement Uncertainty per IEC 62479	Scaled Normal psPD (mW/cm2)	Scaled Total psPD (mW/cm2)	Plot No.
Ant.D+E	IPD (Incident PD)	802.11be EHT320	2.00	Top	191	6905.0	12.50	11.02	11.41	99.18%	0.05	0.1430	0.2027	0.3370	0.4778	1.123	0.2277	0.5365	89

12.1.2. UWB

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Grid Step (Lamda)	Meas. Normal psPD (mW/cm2)	Meas. Total psPD (mW/cm2)	Scaling factor for Measurement Uncertainty per IEC 62479	Scaled Normal psPD (mW/cm2)	Scaled Total psPD (mW/cm2)	Plot No.
UWB	IPD (Incident PD)	CW	2.00	Front	9	7987.2	0.05	0.0037	0.0073	1.123	0.0042	0.0082	90

12.2. Folder Open IPD Results

12.2.1. Wi-Fi (U-NII 6GHz Bands)

U-NII 5/6/7/8 SISO IPD results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Meas. (dBm)	Duty Cycle (%)	Grid Step (Lamda)	Meas. Normal psPD (mW/cm ²)	Scaled. Normal psPD (mW/cm ²)	Meas. Total psPD (mW/cm ²)	scaled. Total psPD (mW/cm ²)	Scaling factor for Measurement Uncertainty per IEC 62479	Scaled Normal psPD (mW/cm ²)	Scaled Total psPD (mW/cm ²)	Plot No.
Ant.E	IPD (Incident PD)	802.11be EHT320	2.00	Front	191	6905.0	12.50	11.37	99.18%	0.05	0.2280	0.2565	0.4480	0.5039	1.123	0.2880	0.5659	
Ant.D	IPD (Incident PD)	802.11be EHT320	2.00	Front	159	6745.0	12.50	11.35	99.18%	0.05	0.2110	0.2413	0.4410	0.5043	1.123	0.2710	0.5664	84

U-NII 5/6/7/8 MIMO IPD results

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Tune-up Limit (dBm)	Ant.1 Meas. (dBm)	Ant.2 Meas. (dBm)	Duty Cycle (%)	Grid Step (Lamda)	Meas. Normal psPD (mW/cm ²)	Scaled. Normal psPD (mW/cm ²)	Meas. Total psPD (mW/cm ²)	scaled. Total psPD (mW/cm ²)	Scaling factor for Measurement Uncertainty per IEC 62479	Scaled Normal psPD (mW/cm ²)	Scaled Total psPD (mW/cm ²)	Plot No.
Ant.D+E	IPD (Incident PD)	802.11be EHT320	2.00	Top	63	6265.0	12.50	11.76	11.69	99.18%	0.05	0.1590	0.1932	0.3740	0.4544	1.123	0.2170	0.5103	

12.2.2. UWB

Antenna	RF Exposure Condition	Mode	Dist (mm)	Test Position	Channel	Freq. (MHz)	Grid Step (Lamda)	Meas. Normal psPD (mW/cm ²)	Meas. Total psPD (mW/cm ²)	Scaling factor for Measurement Uncertainty per IEC 62479	Scaled Normal psPD (mW/cm ²)	Scaled Total psPD (mW/cm ²)	Plot No.
UWB	IPD (Incident PD)	CW	2.00	Front	9	7987.2	0.05	0.0011	0.0038	1.123	0.0012	0.0043	85

13. 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 ($\sim 10\%$ 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
1640	NTN Band 255	Ant.F	Folder Closed	Body-worn	Rear	Yes	1.260	1.220	1.03
1750	NR Band n66	Ant.F	Folder Closed	Head	Left Tilt	Yes	0.928	0.801	1.16
1900	WCDMA Band II	Ant.A	Folder Closed	Head	Left Tilt	Yes	0.918	0.808	1.14
2300	LTE Band 30	Ant.F	Folder Closed	Head	Left Tilt	Yes	0.846	0.842	1.00
2450	BLE	Ant.G	Folder Opened	Body-worn & Hotspot	Rear	Yes	1.060	0.911	1.16
3600	NR Band n48	Ant.E	Folder Opened	Head	Right Touch	Yes	0.871	0.801	1.09

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 .

14. Simultaneous Transmission SAR Analysis

Simultaneous Transmission Condition

RF Exposure Condition	Item	Capable Transmit Configurations					
Head & Body-worn/Hotspot & Product Specific 10-g	1	WWAN (2G/3G/LTE/NR)	+	DTS Ant.1 (and/or) DTS Ant.2	Non RSDB Scenarios		
	2	WWAN (2G/3G/LTE/NR)	+	UNII (5/6GHz) Ant.1 (and/or) UNII (5/6GHz) Ant.2			
	3	WWAN (2G/3G/LTE/NR)	+	BT Ant.1 (and/or) BT Ant.2			
	4	WWAN (2G/3G/LTE/NR)	+	BT Ant.1 + DTS Ant.2			
	5	WWAN (2G/3G/LTE/NR)	+	UNII (5/6GHz) Ant.1 + BT Ant.1 (and/or) BT Ant.2			
	6	WWAN (2G/3G/LTE/NR)	+	UNII (5/6GHz) Ant.2 + BT Ant.1 (and/or) BT Ant.2			
	7	WWAN (2G/3G/LTE/NR)	+	UNII (5/6GHz) MIMO + BT Ant.1 (and/or) BT Ant.2			
	8	(ENDC/ULCA)	+	DTS Ant.1 (and/or) DTS Ant.2			
	9	(ENDC/ULCA)	+	UNII (5/6GHz) Ant.1 (and/or) UNII (5/6GHz) Ant.2			
	10	(ENDC/ULCA)	+	BT Ant.1 (and/or) BT Ant.2			
	11	(ENDC/ULCA)	+	BT Ant.1 + DTS Ant.2			
	12	(ENDC/ULCA)	+	UNII (5/6GHz) Ant.1 + BT Ant.1 (and/or) BT Ant.2			
	13	(ENDC/ULCA)	+	UNII (5/6GHz) Ant.2 + BT Ant.1 (and/or) BT Ant.2			
	14	(ENDC/ULCA)	+	UNII (5/6GHz) MIMO + BT Ant.1 (and/or) BT Ant.2			
	15	WWAN (2G/3G/LTE/NR)	+	DTS Ant.1 + UNII (5/6GHz) Ant.1 (and/or) UNII (5/6GHz) Ant.2	RSDB Scenarios		
	16	WWAN (2G/3G/LTE/NR)	+	DTS Ant.2 + UNII (5/6GHz) Ant.1 (and/or) UNII (5/6GHz) Ant.2			
	17	WWAN (2G/3G/LTE/NR)	+	DTS MIMO + UNII (5/6GHz) Ant.1 (and/or) UNII (5/6GHz) Ant.2			
	18	WWAN (2G/3G/LTE/NR)	+	DTS Ant.2 + UNII (5/6GHz) Ant.1 + BT Ant.1			
	19	WWAN (2G/3G/LTE/NR)	+	DTS Ant.2 + UNII (5/6GHz) Ant.2 + BT Ant.1			
	20	WWAN (2G/3G/LTE/NR)	+	DTS Ant.2 + UNII (5/6GHz) MIMO + BT Ant.1			
	21	(ENDC/ULCA)	+	DTS Ant.1 + UNII (5/6GHz) Ant.1 (and/or) UNII (5/6GHz) Ant.2			
	22	(ENDC/ULCA)	+	DTS Ant.2 + UNII (5/6GHz) Ant.1 (and/or) UNII (5/6GHz) Ant.2			
	23	(ENDC/ULCA)	+	DTS MIMO + UNII (5/6GHz) Ant.1 (and/or) UNII (5/6GHz) Ant.2			
	24	(ENDC/ULCA)	+	DTS Ant.2 + UNII (5/6GHz) Ant.1 + BT Ant.1			
	25	(ENDC/ULCA)	+	DTS Ant.2 + UNII (5/6GHz) Ant.2 + BT Ant.1			
	26	(ENDC/ULCA)	+	DTS Ant.2 + UNII (5/6GHz) MIMO + BT Ant.1			
	27	Item (1-26) + NFC in Product Specific 10-g condition.					
	28	Item (1-27) + UWB in All RF exposure conditions.					
	29	NTN Band can not operates w ith other techs at the same time.					

Note(s):

1. DTS supports Wi-Fi Direct, Hotspot and VoIP.
2. U-NII (5GHz) supports Wi-Fi Direct, Hotspot and VoIP.
3. U-NII (6GHz) supports Wi-Fi Hotspot and VoIP.
4. GPRS, W-CDMA, LTE, NR supports Hotspot and VoIP.
5. U-NII Radio can transmit simultaneously with Bluetooth Radio.
6. DTS Radio (Only Ant.2) can transmit simultaneously with Bluetooth Radio (Only Ant.1).
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 configurations
10. DTS/UNII/BT supports SISO/MIMO mode.
11. NFC only considered in Product Specific 10-g according to User condition.
12. Qualcomm Smart Transmit algorithm support to WWAN/WLAN/BT/NTN except NFC/UWB. And This device has support two Antenna groups. Each antenna group has controlled the total RF exposure from all transmitters 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 satisfy simultaneous transmission analysis with External radios (NFC/UWB) in Part.1 report.
For Qualcomm Smart Transmit algorithm verification of within same antenna group, please refer to the Part.2 test report.

Simultaneous Transmission SAR Test Exclusion Considerations

Sum of SAR

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

SAR to Peak Location Ratio (SPLSR)

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

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

Where:

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

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

R_i is the separation distance between the pair of simultaneous transmitting antennas. When the SAR is measured, for both antennas in the pair, it is determined by the actual x, y and z coordinates in the 1-g SAR for each SAR peak location, based on the extrapolated and interpolated result in the zoom scan measurement, using the formula of

$$[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$$

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

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

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

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

The antennas for the unlicensed transmitters are closely situated. As a result, the associated SAR hotspots are also closely situated. Some of the sum of SAR calculations yielded results over 1.6 W/kg. The SPLSR calculations for these situations were performed by treating the unlicensed SAR values as a single transmitter. The most conservative distance between all the unlicensed hotspots to the licensed hotspot was used for the value of *d* in the SPLSR calculation.

Sum to Peak Location Separation Ratio

Instead of doing a small volume scan over a co-located antenna pair (Hybrid SPLSR guide), Simultaneous transmission SAR test exclusion may algebraically sum the SAR values of the co-located pair and use that value in SPLSR calculation.

In the calculation Separation distance must use the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.

Peak SAR location determination

According to KDB 447498 D04, When SAR is estimated for both antennas considered in a pairwise SPLSR analysis, the peak location separation shall be determined by the closet physical separation of the antennas, according to the feed-point or geometric center of the antennas, whichever is more conservative. And in the case where the DUT was tilted and measured due to camera bumper, Peak SAR location was determined by taking the above into consideration. The distance between antennas based on feed-point is added to Appendix A.

Antenna Grouping Consideration with ER (External Radio)

The 2nd Generation of Smart Transmit with Gen_Sub6 operates based on pre-defined antenna groups of Sub6 antennas. And Sub6 antennas in UE are grouped based on spatial variation of RF exposure distributions, where the RF exposure of one AG is mutually exclusive from the other AG. This is accomplished by demonstrating below conditions for all RF exposure scenarios (This procedures are follow according to Qualcomm's document (80-W2112-4));

1. **(Condition#1 Sum of AG0/AG1/ERs)** : Demonstrate that the sum of maximum *adjusted* SAR/APD from each of the sub6 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 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.

Adjusted SAR:

Adjusted SAR followed below procedures.

Exposure scaling for su6 antennas/radios (referred to as 'adjusted SAR' values):

If EFS $P_{limit} \leq NV$ setting P_{max} , then SAR exposure should be scaled to EFS P_{limit} + device uncertainty(=Reported SAR), else SAR exposure should be scaled to maximum {EFS P_{limit} , NV setting P_{max} + device uncertainty}.

Multi Tx factor consideration

Multi_Tx_factor is an additional compensation factor for simultaneous transmission operation supported by Qualcomm TAS algorithm, which only applies to simultaneous transmission operation and is not apply to standalone operation.

If multi_Tx_factor value was set to > 1.0, then Qualcomm TAS algorithm ensures time-averaged RF exposure is $\leq (SAR_{design_target} * multi_Tx_factor * Uncertainty) < FCC$ RF exposure limit when multiple radios managed by Qualcomm TAS algorithm. Therefore, the factor is compensated for in all standalone Reported SAR results of Sec.10 and the simultaneous transmission analysis is taken into account.

But If Adjusted SAR is considered to some bands due to EFS P_{limit} (or $P_{limit} + U_c > P_{max}$, Multi_Tx_factor is not considered additionally.

This device supports antenna groups like below table.

Antenna Groups	Grouped antenna list	
AG0	Ant.A	Ant.B
	Ant.C	
AG1	Ant.D	Ant.E
	Ant.F	Ant.G
ER(s)	NFC	UWB
ER = External radios/antennas supported ourtside of Smart Transmit		
Multi_Tx_factor = 1.27		

This section verifies that Simultaneous transmission analysis of AG0/AG1/ERs satisfies to FCC limit using Condition#1 or Condition#2 guide.

14.1. Folder Close condition

14.1.1. Head (DSI=3) Exposure Analysis

Condition#1 (Sum of SAR)

AG0's worst configuration

Antenna Group		AG0	AG0	AG0	AG0	AG0
Antenna		Ant.A	Ant.(A+B)	Ant.B	Ant.C	Highest Adjusted SAR
RF exposure	Test position	Adjusted SAR	Adjusted SAR	Adjusted SAR	Adjusted SAR	
Head	Left Touch	0.254	0.302	0.404	0.000	0.404
	Left Tilt	0.217	0.221	0.220	0.001	0.221
	Right Touch	0.356	0.425	0.427	0.004	0.427
	Right Tilt	0.305	0.355	0.230	0.000	0.355

AG1's worst configuration

Antenna Group		AG1	AG1	AG1	AG1	AG1	AG1	AG1
Antenna		Ant.D	Ant.E	Ant.F	Ant.G	Ant.D+G	Ant.D+E	Highest Adjusted SAR
RF exposure	Test position	Adjusted SAR	Adjusted SAR	Adjusted SAR	Adjusted SAR	Adjusted SAR	Adjusted SAR	
Head	Left Touch	0.999	0.919	1.111	1.177	1.147	1.180	1.180
	Left Tilt	0.996	1.031	1.367	1.177	1.275	1.156	1.367
	Right Touch	0.756	0.989	1.044	0.878	0.907	1.161	1.161
	Right Tilt	0.705	1.031	1.231	1.177	0.996	1.180	1.231

ER's worst configuration

Antenna Group		ER	ER
Antenna		UWB	Highest Measured SAR
RF exposure	Test position	Measured SAR	
Head	Left Touch	0.006	0.006
	Left Tilt	0.006	0.006
	Right Touch	0.006	0.006
	Right Tilt	0.006	0.006

AG0, AG1 and ER summation results

Antenna Group		AG0	AG1	ER	AG0 + AG1 + ER	FCC SAR Limit
Antenna		All	All	UWB		
RF exposure	Test position	Highest Adjusted SAR	Highest Adjusted SAR	Highest Measured SAR		
Head	Left Touch	0.404	1.180	0.006	1.590	1.6
	Left Tilt	0.221	1.367	0.006	1.593	
	Right Touch	0.427	1.161	0.006	1.594	
	Right Tilt	0.355	1.231	0.006	1.591	

Note(s):

Additional evaluation is not required due to below SAR Limit

14.1.2. Body-worn & Hotspot (DSI=1) Exposure Analysis

Condition#1 (Sum of SAR)

AG0's worst configuration

Antenna Group		AG0	AG0	AG0	AG0	AG0
Antenna		Ant.A	Ant.(A+B)	Ant.B	Ant.C	Highest Adjusted SAR
RF exposure	Test position	Adjusted SAR	Adjusted SAR	Adjusted SAR	Adjusted SAR	
Body-worn & Hotspot	Rear	1.027	1.147	1.247	0.212	1.247
	Front	0.284	0.471	0.655	0.056	0.655
	Top	0.000	0.000	0.000	0.000	0.000
	Left	0.000	0.000	0.000	0.005	0.005
	Bottom	0.305	0.250	0.768	0.077	0.768
	Right	0.594	0.541	0.000	0.000	0.594

AG1's worst configuration

Antenna Group		AG1	AG1	AG1	AG1	AG1	AG1	AG1
Antenna		Ant.D	Ant.E	Ant.F	Ant.G	Ant.D+G	Ant.D+E	Highest Adjusted SAR
RF exposure	Test position	Adjusted SAR	Adjusted SAR	Adjusted SAR	Adjusted SAR	Adjusted SAR	Adjusted SAR	
Body-worn & Hotspot	Rear	1.129	1.172	1.231	0.255	0.974	0.624	1.231
	Front	0.384	0.441	0.653	1.317	1.210	0.505	1.317
	Top	1.129	0.503	0.593	0.572	0.513	0.371	1.129
	Left	0.000	0.601	0.000	0.000	0.000	0.505	0.601
	Bottom	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Right	0.693	0.000	0.000	0.028	0.282	0.505	0.693

ER's worst configuration

Antenna Group		ER	ER
Antenna		UWB	Highest Measured SAR
RF exposure	Test position	Measured SAR	
Body-worn & Hotspot	Rear	0.005	0.005
	Front	0.006	0.006
	Top	0.006	0.006
	Left	0.000	0.000
	Bottom	0.000	0.000
	Right	0.000	0.000

AG0, AG1 and ER summation results

Antenna Group		AG0	AG1	ER	AG0 + AG1	FCC SAR Limit
Antenna		All	All	UWB		
RF exposure	Test position	Highest Adjusted SAR	Highest Adjusted SAR	Highest Measured SAR		
Body-worn & Hotspot	Rear	1.247	1.231	0.005	2.483	1.6
	Front	0.655	1.317	0.006	1.978	
	Top	0.000	1.129	0.006	1.135	
	Left	0.005	0.601	0.000	0.606	
	Bottom	0.768	0.000	0.000	0.768	
	Right	0.594	0.693	0.000	1.288	

Note(s):

For Rear positions, additional SUM SAR is required for each Bands/Antennas.

Summation of Each Antennas of AG0, Each Antennas of AG1 in Condition#1 (Sum of SAR)

Test Position	AG0		AG1		UWB	AG0+AG1+ER (SAR (W/kg))	Note.
	Antenna	SAR (W/kg)	Antenna	SAR (W/kg)			
Rear 5mm	AntA	1.027	Ant.D	1.129	0.005	2.161	1
		1.027	Ant.E	1.172		2.205	1
		1.027	Ant.F	1.231		2.263	1
		1.027	Ant.G	0.255		1.288	2
		1.027	Ant.D+G	0.974		2.007	1
		1.027	Ant.D+E	0.624		1.656	1
	Ant.(A+B)	1.147	Ant.D	1.129		2.281	1
		1.147	Ant.E	1.172		2.324	1
		1.147	Ant.F	1.231		2.382	1
		1.147	Ant.G	0.255		1.407	2
		1.147	Ant.D+G	0.974		2.126	1
		1.147	Ant.D+E	0.624		1.775	1
	AntB	1.247	Ant.D	1.129		2.381	1
		1.247	Ant.E	1.172		2.424	1
		1.247	Ant.F	1.231		2.483	1
		1.247	Ant.G	0.255		1.507	2
		1.247	Ant.D+G	0.974		2.226	1
		1.247	Ant.D+E	0.624		1.876	1
	AntC	0.212	Ant.D	1.129		1.346	2
		0.212	Ant.E	1.172		1.389	2
		0.212	Ant.F	1.231		1.448	2
		0.212	Ant.G	0.255		0.472	2
		0.212	Ant.D+G	0.974		1.191	2
		0.212	Ant.D+E	0.624		0.841	2
Note.1 = SUM SAR of sub-bands, Note.2 = No need.							

Test Position	AG0		AG1		UWB	AG0+AG1+ER (SAR (W/kg))	Note.
	Antenna	SAR (W/kg)	Antenna	SAR (W/kg)			
Front 5mm	AntA	0.284	Ant.D	0.384	0.006	0.674	2
		0.284	Ant.E	0.441		0.731	2
		0.284	Ant.F	0.653		0.943	2
		0.284	Ant.G	1.317		1.607	1
		0.284	Ant.D+G	1.210		1.501	2
		0.284	Ant.D+E	0.505		0.796	2
	Ant.(A+B)	0.471	Ant.D	0.384		0.861	2
		0.471	Ant.E	0.441		0.918	2
		0.471	Ant.F	0.653		1.130	2
		0.471	Ant.G	1.317		1.794	1
		0.471	Ant.D+G	1.210		1.687	1
		0.471	Ant.D+E	0.505		0.983	2
	AntB	0.655	Ant.D	0.384		1.045	2
		0.655	Ant.E	0.441		1.102	2
		0.655	Ant.F	0.653		1.314	2
		0.655	Ant.G	1.317		1.978	1
		0.655	Ant.D+G	1.210		1.872	1
		0.655	Ant.D+E	0.505		1.167	2
	AntC	0.056	Ant.D	0.384		0.445	2
		0.056	Ant.E	0.441		0.503	2
		0.056	Ant.F	0.653		0.715	2
		0.056	Ant.G	1.317		1.379	2
		0.056	Ant.D+G	1.210		1.272	2
		0.056	Ant.D+E	0.505		0.567	2
Note.1 = SUM SAR of sub-bands, Note.2 = No need.							

Note(s):

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

1. Need to SPLSR criteria according to Condition#2
2. Additional evaluation is not required.

Condition#2 AG0(Sub6) & AG1(Sub6) & ER(UWB) : SPLSR/Sum SPSPSR calculation results**Rear**

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 SAR (W/kg)	Y-axis (mm)	SPLSR (Y/N)	Antenna Group	Antenna	Bands	Adjusted SAR (W/kg)	Y-axis (mm)	SPLSR (Y/N)
Rear -5mm	AG0	Ant.A	GSM 850	0.917	56.7	Y	AG1	Ant.D	GSM 850	0.906	-56.3	Y
			WCDMA Band 5	1.027	54.8	Y			WCDMA Band 5	1.005	-57.4	Y
			LTE Band 12	0.465	50.3	Y			LTE Band 12	0.566	-61.5	Y
			LTE Band 13	0.645	53.9	Y			LTE Band 13	1.029	-61.2	Y
			LTE Band 14	0.688	58.5	Y			LTE Band 14	0.988	-61.2	Y
			LTE Band 26	0.951	58.3	Y			LTE Band 5	0.845	-52.0	Y
			LTE Band 71	0.538	56.3	Y			LTE Band 26	0.860	-60.1	Y
			NR Band n12	0.550	56.0	Y			LTE Band 71	0.631	-54.9	Y
			NR Band n14	0.747	56.8	Y			NR Band n5	0.927	-55.0	Y
			NR Band n26	0.955	59.8	Y			NR Band n12	0.705	-66.3	Y
			NR Band n71	0.519	56.3	Y			NR Band n14	0.962	-61.5	Y
			LTE Band 5	0.973	57.1	Y			NR Band n26	0.907	-55.0	Y
			NR Band n5	1.003	60.6	Y			NR Band n71	0.815	-61.5	Y
			NR Band n48 SRS2	0.110		N			Bluetooth Ant.1	1.049	-40.0	Y
			NR Band n77(78) SRS2	0.272		N			WIFI 2.4GHz Ant.1	0.787	-42.5	Y
			Worst configuration	1.027	50.3				WIFI 5.3GHz Ant.2	0.384	-61.4	Y
		Ant.A+B	GSM 850	0.643	50.1	Y		Ant.E	WIFI 5.5GHz Ant.2	0.213		N
			WCDMA Band 5	1.030	42.9	Y			WIFI 5.8GHz Ant.2	0.290		N
			LTE Band 12	0.709	54.6	Y			WIFI 5.9GHz Ant.2	0.324		N
			LTE Band 13	0.939	59.3	Y			WIFI 6GHz Ant.2	0.286		N
			LTE Band 14	0.914	57.1	Y			Worst configuration	1.049	-40.0	
			LTE Band 26	0.988	52.3	Y			LTE Band 48	0.693	-59.5	Y
			LTE Band 71	0.730	62.3	Y			NR Band n48 SRS1	1.172	-57.5	Y
			NR Band n12	0.615	55.3	Y			NR Band n41 SRS3(switching 4)	0.097		N
			NR Band n14	0.827	51.1	Y			NR Band n77(78) SRS1	1.157	-57.0	Y
			NR Band n26	1.147	44.9	Y			WIFI 5.3GHz Ant.1	0.334		N
			NR Band n71	0.626	62.3	Y			WIFI 5.5GHz Ant.1	0.441	-55.3	Y
			LTE Band 5	1.041	52.3	Y			WIFI 5.8GHz Ant.1	0.601	-57.0	Y
			NR Band n5	1.134	46.1	Y			WIFI 5.9GHz Ant.1	0.584	-54.8	Y
			Worst configuration	1.147	44.9				WIFI 6GHz Ant.1	0.349	-58.3	Y
			GSM 1900	0.922	58.9	Y			Worst configuration	1.172	-54.8	
		Ant.B	LTE Band 7	1.096	60.6	Y		Ant.F	WCDMA 2	0.855	-62.5	Y
			LTE Band 25(2)	0.808	67.5	Y			WCDMA 4	0.913	-60.4	Y
			LTE Band 30	1.072	65.0	Y			LTE Band 7	0.904	-67.6	Y
			LTE Band 66 (4)	0.785	66.0	Y			LTE Band 25(2)	0.709	-62.5	Y
			LTE Band 41(38)	0.382	59.5	Y			LTE Band30	0.809	-61.5	Y
			NR Band n7	0.810	62.0	Y			LTE Band 66(4)	0.927	-63.5	Y
			NR Band n66	0.871	69.0	Y			LTE Band 41(38)	1.231	-64.0	Y
			NR Band n25(2)	0.869	63.9	Y			NR Band n7	0.861	-66.4	Y
			NR Band n30	0.775	66.5	Y			NR Band n25 (2)	0.885	-61.5	Y
			NR Band n70	1.247	67.5	Y			NR Band n30	0.641	-61.5	Y
			NR Band n41(38) switching SRS1(switching SRS2)	0.772	63.0	Y			NR Band n66	0.988	-60.0	Y
			Worst configuration	1.247	58.9				NR Band n70	0.889	-62.5	Y
									NR Band n41(38) SRS1 (switching SRS2)	0.965	-61.5	Y
									NR Band n48 SRS3	0.497	-58.5	Y
									NR Band n77 (78) SRS3	0.711	-59.0	Y
									Worst configuration	1.231	-58.5	
								Ant.D+G	Bluetooth MIMO	0.293		N
									WIFI 2.4GHz MIMO	0.974	-38.6	Y
									Worst configuration	0.974	-38.6	
								Ant.D+E	WIFI 5.3GHz MIMO	0.505	-56.8	Y
									WIFI 5.5GHz MIMO	0.422	-54.5	Y
									WIFI 5.8GHz MIMO	0.479	-54.8	Y
									WIFI 5.9GHz MIMO	0.624	-55.8	Y
									WIFI 6GHz MIMO	0.371	-55.7	Y
									Worst configuration	0.624	-54.5	

Positions	Antenna Group	Antenna	Bands	Measured SAR (W/kg)	Y-axis (mm)	SPLSR (Y/N)
Rear	ER	UWB	UWB	0.01	-75.7	Y

Front

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 SAR (W/kg)	Y-axis (mm)	SPLSR (Y/N)	Antenna Group	Antenna	Bands	Adjusted SAR (W/kg)	Y-axis (mm)	SPLSR (Y/N)
Front -5mm	AG0	Ant.A	GSM 850	0.193		N	AG1	Ant.G	Bluetooth Ant.2	1.317	-61.2	Y
			WCDMA Band 5	0.279	56.0	Y			WIFI 2.4GHz Ant.2	0.955	-65.0	Y
			LTE Band 12	0.118		N			Worst configuration	1.317	-61.2	
			LTE Band 13	0.239		N		Ant.D+G	Bluetooth MIMO	0.124		N
			LTE Band 14	0.221		N			WIFI 2.4GHz MIMO	1.210	-66.0	Y
			LTE Band 26	0.237		N			Worst configuration	1.210	-66.0	
			LTE Band 71	0.109		N	Antenna Group	Antenna	Bands	Measured SAR (W/kg)	Y-axis (mm)	SPLSR (Y/N)
			NR Band n12	0.088		N						
			NR Band n14	0.210		N						
			NR Band n26	0.277	63.6	Y						
			NR Band n71	0.095		N						
			LTE Band 5	0.257		N						
			NR Band n5	0.284	65.3	Y						
			NR Band n48 SRS2	0.008		N						
			NR Band n77(78) SRS2	0.020		N						
			Worst configuration	0.284	56.0							
		Ant.A+B	GSM 850	0.166		N						
			WCDMA 5	0.325	49.8	Y						
			LTE Band 12	0.391	53.4	Y						
			LTE Band 13	0.471	56.3	Y						
			LTE Band 14	0.458	55.8	Y						
			LTE Band 26	0.249		N						
			LTE Band 71	0.286	57.3	Y						
			NR Band n12	0.333	51.0	Y						
			NR Band n14	0.433	53.4	Y						
			NR Band n26	0.297	54.1	Y						
			NR Band n71	0.281	57.3	Y						
			LTE Band 5	0.268	61.6	N						
			NR Band n5	0.288	54.1	Y						
			Worst configuration	0.471	51.0							
		Ant.B	GSM 1900	0.655	65.7	Y						
			LTE Band 7	0.157		N						
			LTE Band 25(2)	0.500	66.0	Y						
			LTE Band 30	0.183		N						
			LTE Band 66 (4)	0.260		N						
			LTE Band 41(38)	0.086		N						
			NR Band n7	0.107		N						
			NR Band n66	0.321	73.5	Y						
			NR Band n25(2)	0.485	67.4	Y						
			NR Band n30	0.132		N						
			NR Band n70	0.410	67.4	Y						
			NR Band n41(38) switching SRS1(switcing SRS2)	0.319	65.0	Y						
			Worst configuration	0.655	65.0							

AG0 & AG1/ER Sum-SPLSR Calculation Results

Position	AG0	AG1	UWB	Closest distance (mm)	AG0 + (AG1+ER) (W/kg)	SPLSR Results
Rear 5mm	Ant.A	Ant.D	0.005	90.3 mm	2.161	0.04
	Ant.A+B		0.005	84.9 mm	2.281	0.04
	Ant.B		0.005	98.9 mm	2.381	0.04
	Ant.A	Ant.E	0.005	105.1 mm	2.205	0.03
	Ant.A+B		0.005	99.7 mm	2.324	0.04
	Ant.B		0.005	113.7 mm	2.424	0.03
	Ant.A	Ant.F	0.005	108.8 mm	2.263	0.03
	Ant.A+B		0.005	103.4 mm	2.382	0.04
	Ant.B		0.005	117.4 mm	2.483	0.03
	Ant.A	Ant.D+G	0.005	88.9 mm	2.007	0.03
	Ant.A+B		0.005	83.5 mm	2.126	0.04
	Ant.B		0.005	97.5 mm	2.226	0.03
	Ant.A	Ant.D+E	0.005	104.8 mm	1.656	0.02
	Ant.A+B		0.005	99.4 mm	1.775	0.02
	Ant.B		0.005	113.4 mm	1.876	0.02

Position	AG0	AG1	UWB	Closest distance (mm)	AG0 + (AG1 + ER) (W/kg)	SPLSR Results
Front 5mm	Ant.A	Ant.G	0.006	117.2 mm	1.607	0.02
	Ant.A+B	Ant.G	0.006	112.2 mm	1.794	0.02
		Ant.D+G	0.006	117.0 mm	1.687	0.02
	Ant.B	Ant.G	0.006	126.2 mm	1.978	0.02
		Ant.D+G	0.006	131.0 mm	1.872	0.02

Note(s):

1. For AG1+ER(UWB) combinations in Rear, Y-axis location was chosen to be the closet distance from AG0.
2. Some bands does not required SPLSR criteria. Because SUM SAR result with other antenna group is not SAR limit.
3. Worst combination SPLSR/Sum SPLSR criteria results in not over 0.04 (1-g SAR). So additional test is not required.

14.1.3. Product Specific 10-g (DSI=1) Exposure Analysis

Condition#1 (Sum of SAR)

Antenna Group		AG1				AG1				AG1				AG1			
Antenna		Ant.D				Ant.D				Ant.D				Ant.D			
RF exposure	Test positions	WIFI 5.3GHz Ant.2				WIFI 5.5GHz Ant.2				WIFI 5.9GHz Ant.2				6GHz WLAN Ant.2			
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	with Multi tx factor (W/kg)	Adjusted ER	Reported SAR (W/kg)	Adjusted SAR (W/kg)	with Multi tx factor (W/kg)	Adjusted ER	Reported SAR (W/kg)	Adjusted SAR (W/kg)	with Multi tx factor (W/kg)	Adjusted ER	Reported SAR (W/kg)	Adjusted SAR (W/kg)	with Multi tx factor (W/kg)	Adjusted ER
Bodyworn 1g Reported SAR	Rear	0.302	0.302	0.384	0.240	0.168	0.168	0.213	0.133	0.255	0.255	0.324	0.202				
	Front	0.302	0.302	0.384	0.240	0.168	0.168	0.213	0.133	0.255	0.255	0.324	0.202				
	Rear													0.413	0.413	0.525	0.131
	Front													0.413	0.413	0.525	0.131
	Top	1.060	1.060	1.346	0.337	1.129	1.129	1.434	0.358	0.960	0.960	1.219	0.305	0.413	0.413	0.525	0.131
	Left																
	Bottom																
	Right	0.256	0.256	0.325	0.081	0.330	0.330	0.419	0.105	0.960	0.960	1.219	0.305	0.413	0.413	0.525	0.131

Antenna Group		AG1				AG1				AG1				AG1			
Antenna		Ant.E				Ant.E				Ant.E				Ant.E			
RF exposure	Test positions	WIFI 5.3GHz Ant.1				WIFI 5.5GHz Ant.1				WIFI 5.9GHz Ant.1				6GHz WLAN Ant.1			
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	with Multi tx factor (W/kg)	Adjusted ER	Reported SAR (W/kg)	Adjusted SAR (W/kg)	with Multi tx factor (W/kg)	Adjusted ER	Reported SAR (W/kg)	Adjusted SAR (W/kg)	with Multi tx factor (W/kg)	Adjusted ER	Reported SAR (W/kg)	Adjusted SAR (W/kg)	with Multi tx factor (W/kg)	Adjusted ER
Bodyworn 1g Reported SAR	Rear	0.263	0.263	0.334	0.209	0.347	0.347	0.441	0.275	0.460	0.460	0.584	0.365				
	Front	0.263	0.263	0.334	0.209	0.347	0.347	0.441	0.275	0.200	0.200	0.254	0.159				
	Rear													0.391	0.391	0.497	0.124
	Front													0.391	0.391	0.497	0.124
	Top	0.957	0.957	1.215	0.304	0.617	0.617	0.784	0.196	1.500	1.500	1.905	0.476	0.391	0.391	0.497	0.124
	Left	0.957	0.957	1.215	0.304	0.617	0.617	0.784	0.196	0.057	0.057	0.072	0.018	0.391	0.391	0.497	0.124
	Bottom																
	Right																

Antenna Group		AG1				AG1				AG1				AG1			
Antenna		Ant.D+E				Ant.D+E				Ant.D+E				Ant.D+E			
RF exposure	Test positions	WIFI 5.3GHz MIMO				WIFI 5.5GHz MIMO				WIFI 5.9GHz MIMO				6GHz WLAN MIMO			
		Reported SAR (W/kg)	Adjusted SAR (W/kg)	with Multi tx factor (W/kg)	Adjusted ER	Reported SAR (W/kg)	Adjusted SAR (W/kg)	with Multi tx factor (W/kg)	Adjusted ER	Reported SAR (W/kg)	Adjusted SAR (W/kg)	with Multi tx factor (W/kg)	Adjusted ER	Reported SAR (W/kg)	Adjusted SAR (W/kg)	with Multi tx factor (W/kg)	Adjusted ER
Bodyworn 1g Reported SAR	Rear	0.398	0.398	0.505	0.316	0.332	0.332	0.422	0.264	0.491	0.491	0.624	0.390				
	Front	0.398	0.398	0.505	0.316	0.332	0.332	0.422	0.264	0.112	0.112	0.142	0.089				
Product Specific 10-g Reported SAR	Rear													0.452	0.452	0.574	0.144
	Front													0.452	0.452	0.574	0.144
	Top	1.170	1.170	1.486	0.371	0.799	0.799	1.015	0.254	1.034	1.034	1.313	0.328	0.452	0.452	0.574	0.144
	Left	1.170	1.170	1.486	0.371	0.799	0.799	1.015	0.254	1.034	1.034	1.313	0.328	0.452	0.452	0.574	0.144
	Bottom																
	Right	0.239	0.239	0.304	0.076	0.799	0.799	1.015	0.254	0.668	0.668	0.848	0.212	0.452	0.452	0.574	0.144

Antenna Group		ER		ER	
Antenna		NFC		UWB	
RF exposure	Test positions	Measured SAR	Measured ER	Measured SAR	Measured ER
Product Specific 10-g Reported SAR	Rear	0.014	0.004	0.002	0.001
	Front	0.000	0.000	0.003	0.001
	Top	0.000	0.000	0.002	0.001
	Left	0.000	0.000		
	Bottom				
	Right				

RF exposure	Test position	AG1's Highest Adjusted ER		
		Ant.D	Ant.E	Ant.D+E
Bodyworn 1g's ER	Rear	0.240	0.365	0.390
	Front	0.240	0.275	0.316
Product Specific 10-g's ER	Top	0.358	0.476	0.371
	Left		0.304	0.371
	Bottom			
	Right	0.305		0.254

Final summation

AG1 and ER summation results

Antenna Group	AG1	ER		AG1+ER	FCC TER Limit
Antenna	All	NFC	UWB		
RF exposure	Highest Adjusted ER	Measured ER	Measured ER		
Bodyworn 1g's ER	0.476	0.004	0.001	0.481	1.0
Product Specific 10-g's ER					

Converted to 10-g	FCC SAR Limit
1.922	4.0

Note(s):

For Phablet 10-g simultaneous transmission, the 1-g 5mm value for the Rear/Front was used. After confirming that the TER did not exceed 1.0, the TER value was converted to the 10-g SAR standard to match the final 10-g unit.

Additional evaluation is not required due to below SAR Limit

14.2. Folder Open condition

14.2.1. Head (DSI=2) Exposure Analysis

Condition#1 (Sum of SAR)

AG0's worst configuration

Antenna Group		AG0	AG0	AG0	AG0	AG0
Antenna		Ant.A	Ant.(A+B)	Ant.B	Ant.C	Highest Adjusted SAR
RF exposure	Test position	Adjusted SAR	Adjusted SAR	Adjusted SAR	Adjusted SAR	
Head	Left Touch	0.338	0.919	0.844	0.249	0.919
	Left Tilt	0.338	0.351	0.844	0.249	0.844
	Right Touch	0.338	0.327	0.321	0.249	0.338
	Right Tilt	0.338	0.290	0.710	0.249	0.710

AG1's worst configuration

Antenna Group		AG1	AG1	AG1	AG1	AG1	AG1	AG1
Antenna		Ant.D	Ant.E	Ant.F	Ant.G	Ant.D+G	Ant.D+E	Highest Adjusted SAR
RF exposure	Test position	Adjusted SAR	Adjusted SAR	Adjusted SAR	Adjusted SAR	Adjusted SAR	Adjusted SAR	
Head	Left Touch	0.672	0.430	1.514	1.562	1.087	0.507	1.562
	Left Tilt	0.625	0.430	1.514	1.294	1.230	0.507	1.514
	Right Touch	0.879	1.264	0.838	0.972	1.235	0.507	1.264
	Right Tilt	0.625	1.289	0.790	0.972	1.235	0.507	1.289

ER worst configuration

Antenna Group		ER	ER
Antenna		UWB	Highest Measured SAR
RF exposure	Test position	Mesaured SAR	
Head	Left Touch	0.002	0.002
	Left Tilt	0.002	0.002
	Right Touch	0.002	0.002
	Right Tilt	0.002	0.002

AG0 and AG1 and ER summation results

Antenna Group		AG0	AG1	ER	AG0 + AG1 + ER	FCC SAR Limit
Antenna		All	All	UWB		
RF exposure	Test position	Highest Adjusted SAR	Highest Adjusted SAR	Highest Measured SAR		
Head	Left Touch	0.919	1.562	0.002	2.483	1.6
	Left Tilt	0.844	1.514	0.002	2.360	
	Right Touch	0.338	1.264	0.002	1.604	
	Right Tilt	0.710	1.289	0.002	2.000	

Note(s):

Additional SUM SAR is required for each Bands/Antennas.

Summation of Each Antennas of AG0, Each Antennas of AG1/ER in Condition#1 (Sum of SAR)

Test Position	AG0		AG1		UWB	AG0+AG1+ER (SAR (W/kg))	Note.
	Antenna	SAR (W/kg)	Antenna	SAR (W/kg)	SAR (W/kg)		
Left Touch	AntA	0.338	AntD	0.672	0.002	1.012	2
		0.338	AntE	0.430		0.770	2
		0.338	AntF	1.514		1.854	1
		0.338	AntG	1.562		1.902	1
		0.338	AntD + G	1.087		1.427	2
		0.338	AntD + E	0.507		0.847	2
	AntA+B	0.919	AntD	0.672		1.593	2
		0.919	AntE	0.430		1.351	2
		0.919	AntF	1.514		2.435	1
		0.919	AntG	1.562		2.483	1
		0.919	AntD + G	1.087		2.008	1
		0.919	AntD + E	0.507		1.428	2
	Ant B	0.844	AntD	0.672		1.518	2
		0.844	AntE	0.430		1.276	2
		0.844	AntF	1.514		2.360	1
		0.844	AntG	1.562		2.408	1
		0.844	AntD + G	1.087		1.934	1
		0.844	AntD + E	0.507		1.353	2
	AntC	0.249	AntD	0.672		0.923	2
		0.249	AntE	0.430		0.681	2
		0.249	AntF	1.514		1.765	1
		0.249	AntG	1.562		1.813	1
		0.249	AntD + G	1.087		1.338	2
		0.249	AntD + E	0.507		0.758	2
Note.1 = SUM SAR of sub-bands, Note.2 = No need.							

Test Position	AG0		AG1		UWB	AG0+AG1+ER (SAR (W/kg))	Note.
	Antenna	SAR (W/kg)	Antenna	SAR (W/kg)	SAR (W/kg)		
Left Tilt	AntA	0.338	AntD	0.625	0.002	0.965	2
		0.338	AntE	0.430		0.770	2
		0.338	AntF	1.514		1.854	1
		0.338	AntG	1.294		1.634	1
		0.338	AntD + G	1.230		1.570	2
		0.338	AntD + E	0.507		0.847	2
	AntA+B	0.351	AntD	0.625		0.978	2
		0.351	AntE	0.430		0.783	2
		0.351	AntF	1.514		1.867	1
		0.351	AntG	1.294		1.647	1
		0.351	AntD + G	1.230		1.583	2
		0.351	AntD + E	0.507		0.860	2
	Ant B	0.844	AntD	0.625		1.471	2
		0.844	AntE	0.430		1.276	2
		0.844	AntF	1.514		2.360	1
		0.844	AntG	1.294		2.140	1
		0.844	AntD + G	1.230		2.077	1
		0.844	AntD + E	0.507		1.353	2
	AntC	0.249	AntD	0.625		0.876	2
		0.249	AntE	0.430		0.681	2
		0.249	AntF	1.514		1.765	1
		0.249	AntG	1.294		1.545	2
		0.249	AntD + G	1.230		1.481	2
		0.249	AntD + E	0.507		0.758	2
Note.1 = SUM SAR of sub-bands, Note.2 = No need.							

Test Position	AG0		AG1		UWB	AG0+AG1+ER (SAR (W/kg))	Note.
	Antenna	SAR (W/kg)	Antenna	SAR (W/kg)			
Right Touch	AntA	0.338	AntD	0.879	0.002	1.219	2
		0.338	AntE	1.264		1.604	1
		0.338	AntF	0.838		1.178	2
		0.338	AntG	0.972		1.311	2
		0.338	AntD + G	1.235		1.575	2
		0.338	AntD + E	0.507		0.847	2
	AntA+B	0.327	AntD	0.879		1.208	2
		0.327	AntE	1.264		1.593	2
		0.327	AntF	0.838		1.167	2
		0.327	AntG	0.972		1.301	2
		0.327	AntD + G	1.235		1.564	2
		0.327	AntD + E	0.507		0.836	2
	Ant B	0.321	AntD	0.879		1.203	2
		0.321	AntE	1.264		1.588	2
		0.321	AntF	0.838		1.161	2
		0.321	AntG	0.972		1.295	2
		0.321	AntD + G	1.235		1.559	2
		0.321	AntD + E	0.507		0.830	2
	AntC	0.249	AntD	0.879		1.130	2
		0.249	AntE	1.264		1.515	2
		0.249	AntF	0.838		1.089	2
		0.249	AntG	0.972		1.222	2
		0.249	AntD + G	1.235		1.486	2
		0.249	AntD + E	0.507		0.758	2
Note.1 = SUM SAR of sub-bands, Note.2 = No need.							

Test Position	AG0		AG1		UWB	AG0+AG1+ER (SAR (W/kg))	Note.
	Antenna	SAR (W/kg)	Antenna	SAR (W/kg)			
Right Tilt	AntA	0.338	AntD	0.625	0.002	0.965	2
		0.338	AntE	1.289		1.628	1
		0.338	AntF	0.790		1.130	2
		0.338	AntG	0.972		1.311	2
		0.338	AntD + G	1.235		1.575	2
		0.338	AntD + E	0.507		0.847	2
	AntA+B	0.290	AntD	0.625		0.917	2
		0.290	AntE	1.289		1.580	2
		0.290	AntF	0.790		1.082	2
		0.290	AntG	0.972		1.263	2
		0.290	AntD + G	1.235		1.527	2
		0.290	AntD + E	0.507		0.799	2
	Ant B	0.710	AntD	0.625		1.337	2
		0.710	AntE	1.289		2.000	1
		0.710	AntF	0.790		1.502	2
		0.710	AntG	0.972		1.683	1
		0.710	AntD + G	1.235		1.947	1
		0.710	AntD + E	0.507		1.219	2
	AntC	0.249	AntD	0.625		0.876	2
		0.249	AntE	1.289		1.540	2
		0.249	AntF	0.790		1.041	2
		0.249	AntG	0.972		1.222	2
		0.249	AntD + G	1.235		1.486	2
		0.249	AntD + E	0.507		0.758	2
Note.1 = SUM SAR of sub-bands, Note.2 = No need.							

Note(s):

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

1. Need to SPLSR criteria according to Condition#2
2. Additional evaluation is not required.

Condition#2 AG0(Sub6) & AG1(Sub6)/ER(UWB) : Sum SPSLR calculation results

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

Positions	Antenna Group	Antenna	Bands	Adjusted SAR (W/kg)	Distance from ERP (mm)	SPLSR (Y/N)	Antenna Group	Antenna	Bands	Adjusted SAR (W/kg)	Distance from ERP (mm)	SPLSR (Y/N)	
Left Touch	AG0	Ant.A+B	GSM850	0.919	-72.7	Y	AG1	Ant.F	WCDMA B2	1.307	-38.3	Y	
			WCDMA B5	0.906	-72.2	Y			WCDMA B4	1.184	-11.3	Y	
			LTE B71	0.902	-73.3	Y			LTE B66(4)	0.232		N	
			LTE B12	0.664	-70.5	Y			LTE B25(2)	0.092		N	
			LTE B13	0.801	-74.8	Y			LTE B30	0.792	-32.9	Y	
			LTE B14	0.814	-74.8	Y			LTE B7	1.199	-33.9	Y	
			LTE B26	0.634	-45.0	Y			LTE B41(38)	1.514	-13.4	Y	
			LTE B5	0.782	-69.6	Y			NR Bn7	0.939	-33.9	Y	
			NR Bn71	0.903	-71.9	Y			NR Bn66(4)	0.225		N	
			NR Bn12	0.914	-71.9	Y			NR Bn25(2)	0.089		N	
			NR Bn14	0.908	-72.0	Y			NR Bn30	0.686	-28.2	Y	
			NR Bn26	0.900	-73.4	Y			NR Bn70	0.206		N	
			NR Bn5	0.900	-73.4	Y			NR Bn41 SRS1	1.154	-14.5	Y	
			Worst configuration	0.919	-45.0				NR Bn48 SRS3	0.042		N	
		Ant.A	NR Bn48 SRS2	0.338	-97.0	Y			NR Bn77 SRS3	0.031		N	
			NR Bn77 SRS2	0.309	-111.3	Y			Worst configuration	1.514	-38.3		
			Worst configuration	0.338	-97.0			Ant.G	2.4G Ant.2	1.562	9.4	Y	
		Ant.B	GSM1900	0.648	-84.7	Y			BT Ant.2	0.732	5.1	Y	
			LTE B66(4)	0.807	-76.4	Y			Worst configuration	1.562	5.1		
			LTE B25(2)	0.826	-73.8	Y		Ant.D+G	2.4G MIMO	0.911	8.4	Y	
			LTE B30	0.709	-79.9	Y			BT MIMO	0.980	1.6	Y	
			LTE B7	0.753	-77.1	Y			Worst configuration	0.980	1.6		
			LTE B41(38)	0.339	-79.0	Y							
			NR Bn7	0.710	-77.1	Y							
			NR Bn66(4)	0.699	-76.4	Y							
			NR Bn25(2)	0.810	-74.1	Y							
			NR Bn30	0.509	-78.1	Y							
			NR Bn70	0.844	-71.0	Y							
			NR Bn41 SRS2	0.844	-75.0	Y							
			Worst configuration	0.844	-71.0								
		Ant.C	NR Bn41 SRS4	0.205	-83.7	Y							
			NR Bn48 SRS4	0.249	-111.3	Y							
			NR Bn77 SRS4	0.187	-110.2	Y							
			Worst configuration	0.249	-83.7								
								Antenna Group	Antenna	Bands	Measured SAR (W/kg)	SPLSR (Y/N)	
								ER	Ant.F	UWB	0.002	Y	

Condition#2 AG0(Sub6) & AG1(Sub6)/ER(UWB) : Sum SPSLR calculation results (Continued)

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

Positions	Antenna Group	Antenna	Bands	Adjusted SAR (W/kg)	Distance from ERP (mm)	SPLSR (Y/N)	Antenna Group	Antenna	Bands	Adjusted SAR (W/kg)	Distance from ERP (mm)	SPLSR (Y/N)
Left Tilt	AG0	Ant.A+B	GSM850	0.208	-3.8	Y	AG1	Ant.F	WCDMA B2	0.118		N
			WCDMA B5	0.213	-22.3	Y			WCDMA B4	0.436		N
			LTE B71	0.334	-57.7	Y			LTE B66(4)	0.393		N
			LTE B12	0.298	-25.5	Y			LTE B25(2)	0.130		N
			LTE B13	0.272	-30.0	Y			LTE B30	0.792	-16.8	Y
			LTE B14	0.291	-55.0	Y			LTE B7	1.199	-14.7	Y
			LTE B26	0.258	-55.0	Y			LTE B41(38)	1.514	-12.5	Y
			LTE B5	0.302	-55.0	Y			NR Bn7	0.939	-15.6	Y
			NR Bn71	0.351	-30.0	Y			NR Bn66(4)	0.277		N
			NR Bn12	0.316	-28.5	Y			NR Bn25(2)	0.156		N
			NR Bn14	0.234	-16.4	Y			NR Bn30	0.686		N
			NR Bn26	0.226	-55.0	Y			NR Bn70	0.255		N
			NR Bn5	0.211	-55.0	Y			NR Bn41 SRS1	1.154	-14.5	Y
			Worst configuration	0.351	-3.8				NR Bn48 SRS3	0.084		N
		Ant.A	NR Bn48 SRS2	0.338	-109.3	Y			NR Bn77 SRS3	0.000		N
			NR Bn77 SRS2	0.309	-79.4	Y			Worst configuration	1.514	-16.8	
			Worst configuration	0.338	-79.4			Ant.G	2.4G Ant.2	1.294	5.8	Y
		Ant.B	GSM1900	0.052		N			BT Ant.2	0.973	0.7	Y
			LTE B66(4)	0.178	-4.5	Y			Worst configuration	1.294	0.7	
			LTE B25(2)	0.126	-3.0	Y		Ant.D+G	2.4G MIMO	1.230	4.3	Y
			LTE B30	0.709	-112.1	Y			BT MIMO	0.745		N
			LTE B7	0.753	-82.8	Y			Worst configuration	1.230	4.3	
			LTE B41(38)	0.339	-86.5	Y						
			NR Bn7	0.710	-83.7	Y						
			NR Bn66(4)	0.186	-5.9	Y						
			NR Bn25(2)	0.144	-16.2	Y						
			NR Bn30	0.509	-106.2	Y						
			NR Bn70	0.185	-4.5	Y						
			NR Bn41 SRS2	0.844	-81.8	Y						
			Worst configuration	0.844	-3.0							
		Ant.C	NR Bn41 SRS4	0.205	7.7	Y						
			NR Bn48 SRS4	0.249	-101.0	Y						
			NR Bn77 SRS4	0.187	-109.4	Y						
			Worst configuration	0.249	7.7							
							Antenna Group	Antenna	Bands	Measured SAR (W/kg)	SPLSR (Y/N)	
							ER	Ant.F	UWB	0.002	Y	

Condition#2 AG0(Sub6) & AG1(Sub6)/ER(UWB) : Sum SPSLR calculation results (Continued)Highest Reported SAR and Peak SAR location (only X-axis location) in each WWAN&WLAN Bands in each Antennas

Positions	Antenna Group	Antenna	Bands	Adjusted SAR (W/kg)	Distance from ERP (mm)	SPLSR (Y/N)	Antenna Group	Antenna	Bands	Adjusted SAR (W/kg)	Distance from ERP (mm)	SPLSR (Y/N)		
Right Touch	AG0	Ant.A	NR Bn48 SRS2	0.338	-77.3	Y	AG1	Ant.E	LTE B48	0.635		N		
			NR Bn77 SRS2	0.309		N			NR Bn48 SRS1	1.264	-2.1	Y		
			Worst configuration	0.338	-77.3				NR Bn41 SRS3	0.095		N		
										NR Bn77 SRS1	0.984		N	
										5.2G Ant.1	0.306		N	
										5.5G Ant.1	0.422		N	
										5.8G Ant.1	0.375		N	
										5.9G Ant.1	0.430		N	
										6G Ant.1	0.197		N	
										Worst configuration	1.264	-2.1		
Positions	Antenna Group	Antenna	Bands	Measured SAR (W/kg)	SPLSR (Y/N)									
Right Touch	ER	Ant.F	UWB	0.002	Y									

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

Positions	Antenna Group	Antenna	Bands	Adjusted SAR (W/kg)	Distance from ERP (mm)	SPLSR (Y/N)	Antenna Group	Antenna	Bands	Adjusted SAR (W/kg)	Distance from ERP (mm)	SPLSR (Y/N)
Right Tilt	AG0	Ant.A	NR Bn48 SRS2	0.338	-77.3	Y	AG1	Ant.E	LTE B48	0.696		N
			NR Bn77 SRS2	0.309	16.6	Y			NR Bn48 SRS1	1.289	-2.0	Y
			Worst configuration	0.338	16.6				NR Bn41 SRS3	0.096		N
		Ant.B	GSM1900	0.059		Y			NR Bn77 SRS1	0.935	-0.2	Y
			LTE B66(4)	0.106		Y			5.2G Ant.1	0.306		N
			LTE B25(2)	0.107		Y			5.5G Ant.1	0.422		N
			LTE B30	0.709	-77.2	Y			5.8G Ant.1	0.375		N
			LTE B7	0.087		Y			5.9G Ant.1	0.430		N
			LTE B41(38)	0.035		Y			6G Ant.1	0.197		N
			NR Bn7	0.710	-77.1	Y			Worst configuration	1.289	-2.0	
			NR Bn66(4)	0.083		Y		Ant.G	2.4G Ant.2	1.562	6.6	Y
			NR Bn25(2)	0.142		Y			BT Ant.2	0.803		N
			NR Bn30	0.509	-77.2	Y			Worst configuration	1.562	6.6	
			NR Bn70	0.123		Y		Ant.D+G	2.4G MIMO	1.235	5.6	Y
			NR Bn41 SRS2	0.082		Y			BT MIMO	0.982	0.5	Y
			Worst configuration	0.710	-77.1				Worst configuration	1.235	0.5	

Positions	Antenna Group	Antenna	Bands	Measured SAR (W/kg)	SPLSR (Y/N)
Right Tilt	ER	Ant.F	UWB	0.002	Y

AG0 & (AG1/ER) SPLSR Calculation Results

Position	AG0	AG1	ER (W/kg)	Closest distance (mm)		AG0 + (AG1+ER) (W/kg)	SPLSR Results
Left Touch	Ant.A	Ant.F	0.002	58.7	mm	1.854	0.04
	Ant.A+B		0.002	6.7	mm	2.435	0.57
	Ant.B		0.002	32.7	mm	2.360	0.11
	Ant.C		0.002	45.4	mm	1.765	0.05
	Ant.A	Ant.G	0.002	102.1	mm	1.902	0.03
	Ant.A+B		0.002	50.1	mm	2.483	0.08
	Ant.B		0.002	76.1	mm	2.408	0.05
	Ant.A+B	Ant.D+G	0.002	46.5	mm	2.008	0.06
	Ant.B		0.002	72.5	mm	1.934	0.04
Position	AG0	AG1	ER (W/kg)	Closest distance (mm)		AG0 + (AG1+ER) (W/kg)	SPLSR Results
Left Tilt	Ant.A	Ant.F	0.002	62.7	mm	1.854	0.04
	Ant.A+B		0.002	13.0	mm	1.867	0.20
	Ant.B		0.002	13.7	mm	2.360	0.26
	Ant.C		0.002	24.4	mm	1.765	0.10
	Ant.A	Ant.G	0.002	80.1	mm	1.634	0.03
	Ant.A+B		0.002	4.4	mm	1.647	0.48
	Ant.B		0.002	13.7	mm	2.140	0.23
	Ant.A+B	Ant.D+G	0.002	8.0	mm	1.583	0.25
	Ant.B		0.002	7.3	mm	1.481	0.25
Position	AG0	AG1	ER (W/kg)	Closest distance (mm)		AG0 + (AG1+ER) (W/kg)	SPLSR Results
Right Touch	Ant.A	Ant.E	0.002	75.2	mm	1.604	0.03
Position	AG0	AG1	ER (W/kg)	Closest distance (mm)		AG0 + (AG1+ER) (W/kg)	SPLSR Results
Right Tilt	Ant.A	Ant.E	0.002	18.7	mm	1.628	0.11
	Ant.B		0.002	75.1	mm	2.000	0.04
	Ant.A	Ant.G	0.002	10.1	mm	1.902	0.26
	Ant.B		0.002	83.6	mm	2.274	0.04
	Ant.A	Ant.D+G	0.002	16.2	mm	1.575	0.12
	Ant.B		0.002	77.5	mm	1.947	0.04

Note(s):

SUM-SPLSR criteria is not satisfied in Head phantom (SAM twin). So additional simultaneous analysis evaluated at flat phantom according to KDB 648474 D04 Sec.10.

Minimum distance condition in a Flat phantom for Simultaneous Transmission SAR Test

Antenna Group	Antenna	Techs	Left Touch/Tilt			Right Touch/Tilt			Minimum Head SAR test distance of DUT's Bottom in Flat phantom (mm)
			Peak SAR location (x,y-axis from ERP) (mm)	Peak location (Z-axis) (mm)	Head SAR test distance of DUT's Bottom in Flat phantom (mm)	Peak SAR location (x,y-axis from ERP) (mm)	Peak location (Z-axis) (mm)	Head SAR test distance of DUT's Bottom in Flat phantom (mm)	
AG0	Ant.A	NR Band n48 SRS2	98.1	14.5	17.3	83.6	31.7	45.1	17.3
		NR Band n77 (78) SRS2	91.9	10.7	13.0	19.3	5.3	12.3	12.3
	Ant.A+B	GSM 850	73.0	6.5	8.2				8.2
		WCDMA Band V	72.6	6.8	8.8				8.8
		LTE Band 71	73.9	9.5	13.2				13.2
		LTE Band 12	71.0	8.3	11.5				11.5
		LTE Band 13	75.3	9.1	12.4				12.4
		LTE Band 14	75.3	9.1	12.4				12.4
		LTE Band 26	45.3	5.7	8.6				8.6
		LTE Band 5	69.8	4.7	5.2				5.2
		NR Band n71	72.4	8.3	11.4				11.4
		NR Band n12	72.4	8.3	11.4				11.4
		NR Band n14	72.4	7.9	10.7				10.7
		NR Band n26	73.9	8.1	10.9				10.9
		NR Band n5	73.9	8.1	10.9				10.9
	Ant.B	GSM 1900	84.9	6.1	7.1				7.1
		LTE Band 66 (4)	76.7	6.5	8.0				8.0
		LTE Band 25 (2)	74.0	5.8	7.0				7.0
		LTE Band 30	80.2	5.8	6.8	82.1	27.8	39.9	6.8
		LTE Band 7	77.3	5.2	5.9				5.9
		LTE Band 41 (38)	79.2	5.6	6.5				6.5
		NR Band n7	77.3	5.2	5.9	81.7	27.2	39.2	5.9
		NR Band n66	76.7	6.5	8.0				8.0
		NR Band n25 (2)	74.3	6	7.3				7.3
		NR Band n30	78.2	5.4	6.2	81.9	27.5	39.5	6.2
		NR Band n70	71.2	5.5	6.6				6.6
		NR Band n41 (38) SRS2	75.3	6.5	8.1				8.1
	Ant.C	NR Bn41 (38) SRS4	84.0	7.3	8.9				8.9
		NR Bn48 SRS4	113.4	21.7	23.3				23.3
		NR Band n77 (78) SRS4	112.2	21.1	22.9				22.9
AG1	Ant.E	NR Bn48 SRS1				7.2	6.9	54.0	54.0
		NR Band n77 (78) SRS1				5.6	5.6	39.4	39.4
	Ant.F	WCDMA Band 4	12.3	4.9	13.0				13.0
		WCDMA Band 2	39.1	7.8	16.0				16.0
		LTE Band 30	34.9	11.6	31.0				31.0
		LTE Band 7	35.7	11.2	29.0				29.0
		LTE Band 41 (38)	24.5	20.5	87.4				87.4
		NR Band n7	35.7	11.2	29.0				29.0
		NR Band n30	31.8	14.6	45.3				45.3
		NR Bn41 (38) SRS1	24.9	20.3	85.0				85.0
	Ant.G	2.4GHz WLAN Ant.2	10.9	5.6	22.2		6.5	6.5	6.5
		Bluetooth Ant.2		6.1	6.1		6.5	6.5	6.1
	Ant.D+G	2.4GHz WLAN MIMO		6.5	6.5		6.3	6.3	6.3
		Bluetooth MIMO	5.0	4.8	23.6	4.6	4.6	20.1	20.1

Note(s):

1. Excluding the band (green box) for measuring Open Head SAR in the flat phantom identified in Sec 10.2, the remaining bands are additional to verify the Simultaneous Transmission SAR Test.
2. For Black box, the Peak SAR location was located above Ear piece of DUT, and the bottom separation distance was determined by adding 4mm of ERP thickness to the Peak SAR location.

Test Band	Antenna	RF Exposure Conditions	Mode	DSI	Dist. (mm)	Test Position	Ch #	Freq. (MHz)	RB Allocation /Target duty	RB offset /Duty	Power (dBm)		1-g SAR (W/kg)		Plot No.	Adjusted SAR	Worst SAR (W/kg)	X-axis
											Tune-up Limit	Meas.	Meas.	Scaled				
NR Band n48 SRS 2	Ant.A	Head-Flat	SRS CW	2	4/5	Rear	638000	3570.00			13.0	12.42	0.157	0.179	1	0.338	0.338	62.5
NR Band n77 SRS 2	Ant.A	Head-Flat	SRS CW	2	4/5	Rear	662000	3930.00			13.0	11.69	0.145	0.196	2	0.309	0.309	64.0
NR Band n14	Ant.A+B	Head-Flat	DFT-s OFDM QPSK	2	4/5	Rear	158600	793.0	25	13	25.0	24.06	0.884	1.098	3	0.908	1.098	49.9
LTE Band 71																		
LTE Band 12																		
LTE Band 13																		
LTE Band 14																		
NR Band n71																		
NR Band n12																		
GSM 850	Ant.A+B	Head-Flat	GPRS 2 slots	2	4/5	Rear	128	824.2			32.5	31.40	0.824	1.062	4	0.919	1.062	55.1
WCDMA Band V																		
LTE Band 26																		
LTE Band 5																		
NR Band n26																		
NR Band n5																		
NR Band n70	Ant.B	Head-Flat	DFT-s OFDM QPSK	2	4/5	Rear	340500	1702.5	1	1	16.5	15.50	0.520	0.655	5	0.844	0.844	65.1
LTE Band 66 (4)																		
NR Band n66	Ant.B	Head-Flat	GPRS 4 slots	2	4/5	Rear	810	1909.8			20.5	19.22	0.628	0.843	6	0.648	0.843	68.5
GSM 1900																		
LTE Band 25 (2)																		
NR Band n25 (2)	Ant.B	Head-Flat	QPSK	2	4/5	Rear	27710	2310.0	1	0	14.5	13.95	0.419	0.476	7	0.709	0.709	62.5
LTE Band 30																		
NR Band n30	Ant.B	Head-Flat	DFT-s OFDM QPSK	2	4/5	Rear	518598	2593.0	135	69	15.5	14.84	0.382	0.445	8	0.844	0.844	65.0
NR Band n41 (38) SRS 2																		
LTE Band 7																		
LTE Band 41 (38)																		
NR Band n7	Ant.C	Head-Flat	SRS CW	2	4/5	Rear	518598	2592.99			13.0	12.54	0.101	0.112	9	0.205	0.205	65.5
NR Band n41 SRS 4																		
NR Band n48 SRS 4																		
NR Band n77 SRS 4	Ant.C	Head-Flat	SRS CW	2	4/5	Rear	633334	3500.01			13.0	11.96	0.094	0.119	11	0.187	0.187	65.5
NR Band n48 SRS 1																		
NR Band n77 SRS 1	Ant.E	Head-Flat	DFT-s OFDM QPSK	2	4/5	Rear	641666	3624.99	50	0	18.0	17.19	0.891	1.074	12	1.289	1.289	-59.0
NR Band n77 SRS 1																		
NR Band n77 SRS 1	Ant.E	Head-Flat	DFT-s OFDM QPSK	2	4/5	Rear	662000	3930.00	135	138	17.0	16.19	0.693	0.835	13	0.984	0.984	-60.0
NR Band n77 SRS 1																		
WCDMA Band IV	Ant.F	Head-Flat	Rel 99 RMC	2	4/5	Rear	1312	1712.4			16.5	15.49	0.647	0.816	14	1.184	1.184	-59.2
WCDMA Band II																		
WCDMA Band II	Ant.F	Head-Flat	Rel 99 RMC	2	4/5	Rear	9282	1852.4			16.5	15.76	0.512	0.607	15	1.307	1.307	-60.0
WCDMA Band II																		
LTE Band 30	Ant.F	Head-Flat	QPSK	2	4/5	Rear	27710	2310.0	1	0	15.0	13.77	0.367	0.487	16	0.792	0.792	-60.5
NR Band n30																		
LTE Band 41 (38)	Ant.F	Head-Flat	QPSK	2	4/5	Rear	40620	2593.0	50	0	17.0	15.74	0.624	0.834	17	1.514	1.514	-60.5
LTE Band 7																		
NR Band n7																		
NR Band n41 (38) SRS1																		
2.4GHz Ant.2	Ant.G	Head-Flat	802.11b 1Mbps	2	4/5	Rear	1	2412.0	100%	97.27%	15.5	14.25	1.020	1.398	18	1.562	1.562	-60.6
Bluetooth Ant.2																		
2.4GHz MIMO	Ant.D+G	Head-Flat	802.11b 1Mbps	2	4/5	Rear	1	2412.0	100%	97.27%	15.5	14.16	0.600	0.840	19	1.235	1.235	-67.0
Bluetooth MIMO																		

Note(s):

- SAR measurements were taken at a Flat Phantom at a distance more conservative than the distance verified in Above Table.
- SAR measurements were performed using the band with the worst SAR value from each antenna as a representative band, depending on the frequency.
- Detail of test plot refer to Appendix H

AG0 & (AG1/ER) SPLSR Calculation Results

Position	AG0	AG1	ER (W/kg)	Closest distance (mm)		AG0 + (AG1+ER) (W/kg)	SPLSR Results
Flat Head	Ant.A	Ant.E	0.002	121.5	mm	1.629	0.02
	Ant.B		0.002	121.5	mm	2.135	0.03
	Ant.A	Ant.F	0.002	121.7	mm	1.854	0.02
	Ant.A+B		0.002	109.1	mm	2.614	0.04
	Ant.B		0.002	121.7	mm	2.360	0.03
	Ant.C		0.002	123.2	mm	1.765	0.02
	Ant.A	Ant.G	0.002	123.1	mm	1.902	0.02
	Ant.A+B		0.002	110.5	mm	2.662	0.04
	Ant.B		0.002	123.1	mm	2.408	0.03
	Ant.A+B	Ant.D+G	0.002	116.9	mm	2.335	0.03
Ant.B	0.002		129.5	mm	2.081	0.02	

14.2.2. Body-worn & Hotspot (DSI=0) Exposure Analysis

Condition#1 (Sum of SAR)

AG0's worst configuration

Antenna Group		AG0	AG0	AG0	AG0	AG0
Antenna		Ant.A	Ant.(A+B)	Ant.B	Ant.C	Highest Adjusted SAR
RF exposure	Test position	Adjusted SAR	Adjusted SAR	Adjusted SAR	Adjusted SAR	
Body-worn & Hotspot	Rear	0.338	1.060	1.097	0.249	1.097
	Front	0.225	1.024	0.816	0.131	1.024
	Top	0.000	0.000	0.000	0.000	0.000
	Left	0.000	0.000	0.000	0.000	0.000
	Bottom	0.139	0.283	0.595	0.100	0.595
	Right	0.051	0.540	0.000	0.000	0.540

AG1's worst configuration

Antenna Group		AG1	AG1	AG1	AG1	AG1	AG1	AG1
Antenna		Ant.D	Ant.E	Ant.F	Ant.G	Ant.D+G	Ant.D+E	Highest Adjusted SAR
RF exposure	Test position	Adjusted SAR	Adjusted SAR	Adjusted SAR	Adjusted SAR	Adjusted SAR	Adjusted SAR	
Body-worn & Hotspot	Rear	1.421	1.240	1.370	1.480	1.294	0.617	1.480
	Front	0.945	0.648	1.072	1.247	0.804	0.561	1.247
	Top	0.992	0.555	0.730	1.158	0.715	0.594	1.158
	Left	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
	Right	0.992	0.000	0.000	0.000	0.539	0.594	0.992

ER worst configuration

Antenna Group		ER	ER
Antenna		UWB	Highest Measured SAR
RF exposure	Test position	Measured SAR	
Body-worn & Hotspot	Rear	0.002	0.002
	Front	0.004	0.004
	Top	0.000	0.000
	Left	0.000	0.000
	Bottom	0.000	0.000
	Right	0.000	0.000

AG0 and AG1 and ER summation results

Antenna Group		AG0	AG1	ER	AG0 + AG1	FCC SAR Limit
Antenna		All	All	UWB		
RF exposure	Test position	Highest Adjusted SAR	Highest Adjusted SAR	Highest Measured SAR		
Body-worn & Hotspot	Rear	1.097	1.480	0.002	2.578	1.6
	Front	1.024	1.247	0.004	2.276	
	Top	0.000	1.158	0.000	1.158	
	Left	0.000	0.000	0.000	0.000	
	Bottom	0.595	0.000	0.000	0.595	
	Right	0.540	0.992	0.000	1.531	

Note(s):

For Rear/Front positions, additional SUM SAR is required for each Bands/Antennas.

Summation of Each Antennas of AG0, Each Antennas of AG1/ER in Condition#1 (Sum of SAR)

Test Position	AG0		AG1		UWB	AG0+AG1+ER (SAR (W/kg))	Note.
	Antenna	SAR (W/kg)	Antenna	SAR (W/kg)	SAR (W/kg)		
Rear 5mm	Ant.A	0.338	Ant.D	1.421	0.002	1.761	1
		0.338	Ant.E	1.240		1.580	2
		0.338	Ant.F	1.370		1.710	1
		0.338	Ant.G	1.480		1.820	1
		0.338	Ant.D + G	1.294		1.634	1
		0.338	Ant.D + E	0.617		0.957	2
	Ant.(A+B)	1.060	Ant.D	1.421		2.482	1
		1.060	Ant.E	1.240		2.301	1
		1.060	Ant.F	1.370		2.431	1
		1.060	Ant.G	1.480		2.541	1
		1.060	Ant.D + G	1.294		2.356	1
		1.060	Ant.D + E	0.617		1.679	1
	Ant.B	1.097	Ant.D	1.421		2.519	1
		1.097	Ant.E	1.240		2.338	1
		1.097	Ant.F	1.370		2.468	1
		1.097	Ant.G	1.480		2.578	1
		1.097	Ant.D + G	1.294		2.393	1
		1.097	Ant.D + E	0.617		1.716	1
	Ant.C	0.249	Ant.D	1.421		1.671	1
		0.249	Ant.E	1.240		1.491	2
		0.249	Ant.F	1.370		1.620	1
		0.249	Ant.G	1.480		1.730	1
		0.249	Ant.D + G	1.294		1.545	2
		0.249	Ant.D + E	0.617		0.868	2
Note.1 = SUM SAR of sub-bands, Note.2 = No need.							

Test Position	AG0		AG1		UWB	AG0+AG1+ER (SAR (W/kg))	Note.
	Antenna	SAR (W/kg)	Antenna	SAR (W/kg)	SAR (W/kg)		
Front 5mm	Ant.A	0.225	Ant.D	0.945	0.004	1.174	2
		0.225	Ant.E	0.648		0.877	2
		0.225	Ant.F	1.072		1.301	2
		0.225	Ant.G	1.247		1.476	2
		0.225	Ant.D + G	0.804		1.033	2
		0.225	Ant.D + E	0.561		0.790	2
	Ant.(A+B)	1.024	Ant.D	0.945		1.974	1
		1.024	Ant.E	0.648		1.677	1
		1.024	Ant.F	1.072		2.100	1
		1.024	Ant.G	1.247		2.276	1
		1.024	Ant.D + G	0.804		1.832	1
		1.024	Ant.D + E	0.561		1.590	2
	Ant.B	0.816	Ant.D	0.945		1.765	1
		0.816	Ant.E	0.648		1.468	2
		0.816	Ant.F	1.072		1.892	1
		0.816	Ant.G	1.247		2.067	1
		0.816	Ant.D + G	0.804		1.624	1
		0.816	Ant.D + E	0.561		1.381	2
	Ant.C	0.131	Ant.D	0.945		1.080	2
		0.131	Ant.E	0.648		0.783	2
		0.131	Ant.F	1.072		1.207	2
		0.131	Ant.G	1.247		1.382	2
		0.131	Ant.D + G	0.804		0.939	2
		0.131	Ant.D + E	0.561		0.696	2
Note.1 = SUM SAR of sub-bands, Note.2 = No need.							

Note(s):

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

1. Need to SPLSR criteria according to Condition#2
2. Additional evaluation is not required.

Condition#2 AG0(Sub6) & AG1(Sub6)/ER(UWB) : SPLSR/Sum SPSLR calculation results**Rear**

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

Positions	Antenna Group	Antenna	Bands	Adjusted SAR (W/kg)	X-axis (mm)	SPLSR (Y/N)	Antenna Group	Antenna	Bands	Adjusted SAR (W/kg)	X-axis (mm)	SPLSR (Y/N)						
Rear -5mm	AG0	Ant.A+B	GSM850	0.833	51.6	Y	AG1	Ant.D	GSM850	0.983	-54.3	Y						
			WCDMA B5	1.060	51.6	Y			WCDMA B5	1.390	-58.8	Y						
			LTE B71	0.703	55.0	Y			LTE B71	0.710	-62.4	Y						
			LTE B12	0.895	59.9	Y			LTE B12	0.743	-62.4	Y						
			LTE B13	0.893	50.4	Y			LTE B13	1.224	-55.5	Y						
			LTE B14	0.924	51.4	Y			LTE B14	1.242	-51.5	Y						
			LTE B26	0.965	50.4	Y			LTE B26	1.139	-50.5	Y						
			LTE B5	1.046	50.4	Y			LTE B5	1.223	-52.0	Y						
			NR Bn71	0.693	54.7	Y			NR Bn71	0.804	-51.0	Y						
			NR Bn12	0.723	52.4	Y			NR Bn12	0.755	-51.8	Y						
			NR Bn14	0.909	50.6	Y			NR Bn14	1.421	-52.7	Y						
			NR Bn26	1.009	49.6	Y			NR Bn26	1.021	-50.0	Y						
			NR Bn5	1.043	48.4	Y			NR Bn5	0.753	-53.8	Y						
			Worst configuration	1.060	48.4				2.4G Ant.1	0.992	-59.6	Y						
		Ant.A	NR Bn48 SRS2	0.338	62.4	Y			BT Ant.1	1.219	-44.1	Y						
			NR Bn77 SRS2	0.309	64.2	Y			5.2G Ant.2	0.381		N						
			Worst configuration	0.338	62.4				5.5G Ant.2	0.403		N						
		Ant.B	GSM1900	1.097	60.1	Y		5.8G Ant.2	0.218		N							
			LTE B66(4)	0.807	63.5	Y		5.9G Ant.2	0.337		N							
			LTE B25(2)	0.826	65.5	Y		6G Ant.2	0.405		N							
			LTE B30	0.709	61.1	Y		Worst configuration	1.421	-44.1								
			LTE B7	0.753	63.0	Y		LTE B48	0.737	-64.5	Y							
			LTE B41(38)	0.339	66.0	Y		NR Bn48 SRS1	1.088	-64.0	Y							
			NR Bn7	0.710	63.0	Y		NR Bn41 SRS3	0.141		N							
			NR Bn66(4)	0.699	62.5	Y		NR Bn77 SRS1	1.240	-68.5	Y							
			NR Bn25(2)	0.810	62.0	Y		5.2G Ant.1	0.358		N							
			NR Bn30	0.509	61.6	Y		5.5G Ant.1	0.656	-57.7	Y							
			NR Bn70	0.844	62.5	Y		5.8G Ant.1	0.526	-61.0	Y							
		NR Bn41 SRS2	0.844	59.6	Y	5.9G Ant.1		0.617	-55.7	Y								
		Worst configuration	1.097	59.6		6G Ant.1		0.490		N								
		Ant.C	NR Bn41 SRS4	0.205	63.2	Y		Worst configuration	1.240	-55.7								
			NR Bn48 SRS4	0.249	66.0	Y		Ant.F	WCDMA B2	0.767	-62.5	Y						
			NR Bn77 SRS4	0.187	67.7	Y			WCDMA B4	0.783	-63.1	Y						
			Worst configuration	0.249	63.2				LTE B66(4)	1.087	-65.1	Y						
													LTE B25(2)	0.666	-67.2	Y		
													LTE B30	0.539	-65.0	Y		
													LTE B7	0.631	-66.8	Y		
													LTE B41(38)	1.177	-69.1	Y		
													NR Bn7	0.890	-65.4	Y		
													NR Bn66(4)	1.370	-59.0	Y		
NR Bn25(2)	0.917						-63.5						Y					
NR Bn30	0.555						-61.1						Y					
NR Bn70	0.915						-59.0						Y					
NR Bn41 SRS1	1.250						-64.0						Y					
NR Bn48 SRS3	1.002						-67.0	Y										
NR Bn77 SRS3	1.267						-65.0	Y										
Worst configuration	1.370						-59.0											
Ant.G	2.4G Ant.2						1.158	-67.1					Y	Ant.G	2.4G Ant.2	1.158	-67.1	Y
	BT Ant.2						1.480	-64.0					Y		BT Ant.2	1.480	-64.0	Y
	Worst configuration	1.480	-64.0		Worst configuration	1.480	-64.0											
Ant.D+G	2.4G MIMO	1.294	-66.5	Y	Ant.D+G	2.4G MIMO	1.294	-66.5	Y									
	BT MIMO	0.452		N		BT MIMO	0.452		N									
	Worst configuration	1.294	-66.5			Worst configuration	1.294	-66.5										
Ant.D+E		5.2G MIMO	0.594	-61.6	Y	Ant.D+E	5.2G MIMO	0.594	-61.6	Y								
		5.5G MIMO	0.617	-58.8	Y		5.5G MIMO	0.617	-58.8	Y								
		5.8G MIMO	0.453		N		5.8G MIMO	0.453		N								
		5.9G MIMO	0.507	-56.7	Y		5.9G MIMO	0.507	-56.7	Y								
		6G MIMO	0.342		N		6G MIMO	0.342		N								
		Worst configuration	0.617	-56.7			Worst configuration	0.617	-56.7									
Positions	Antenna Group	Antenna	Bands	Measured SAR (W/kg)	X-axis (mm)	SPLSR (Y/N)												
Rear	ER	Ant.F	UWB	0.002	-103.7	Y												

Positions	Antenna Group	Antenna	Bands	Measured SAR (W/kg)	X-axis (mm)	SPLSR (Y/N)
Rear	ER	Ant.F	UWB	0.002	-103.7	Y

Condition#2 AG0(Sub6) & AG1(Sub6)/ER(UWB) : SPLSR/Sum SP SLR calculation results (Continued)**Front**

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

Positions	Antenna Group	Antenna	Bands	Adjusted SAR (W/kg)	X-axis (mm)	SPLSR (Y/N)	Antenna Group	Antenna	Bands	Adjusted SAR (W/kg)	X-axis (mm)	SPLSR (Y/N)
Front -5mm	AG0	Ant.A+B	GSM850	0.703	50.8	Y	AG1	Ant.D	GSM850	0.610	-62.0	Y
			WCDMA B5	1.000	51.6	Y			WCDMA B5	0.760	-64.6	Y
			LTE B71	0.594	55.5	Y			LTE B71	0.546		N
			LTE B12	0.750	56.8	Y			LTE B12	0.600	-61.2	Y
			LTE B13	0.836	53.5	Y			LTE B13	0.889	-61.5	Y
			LTE B14	0.845	53.3	Y			LTE B14	0.945	-65.5	Y
			LTE B26	0.962	51.8	Y			LTE B26	0.873	-59.7	Y
			LTE B5	1.024	51.8	Y			LTE B5	0.927	-58.8	Y
			NR Bn71	0.619	61.4	Y			NR Bn71	0.506		N
			NR Bn12	0.643	62.2	Y			NR Bn12	0.467		N
			NR Bn14	0.889	56.3	Y			NR Bn14	0.848	-64.7	Y
			NR Bn26	0.942	55.4	Y			NR Bn26	0.737	-65.6	Y
			NR Bn5	0.850	52.8	Y			NR Bn5	0.729	-59.0	Y
			Worst configuration	1.024	50.8				2.4G Ant.1	0.603	-51.6	Y
		Ant.B	GSM1900	0.816	58.0	Y		BT Ant.1	0.700	-40.1	Y	
			LTE B66(4)	0.641	63.1	Y		5.2G Ant.2	0.381		N	
			LTE B25(2)	0.453	66.1	Y		5.5G Ant.2	0.403		N	
			LTE B30	0.538	66.5	Y		5.8G Ant.2	0.291		N	
			LTE B7	0.457	64.2	Y		5.9G Ant.2	0.337		N	
			LTE B41(38)	0.211		N		6G Ant.2	0.405		N	
			NR Bn7	0.325		N		Worst configuration	0.945	-40.1		
			NR Bn66(4)	0.541	67.0	Y		Ant.E	LTE B48	0.487		N
			NR Bn25(2)	0.488	61.5	Y			NR Bn48 SRS1	0.630	-66.5	Y
			NR Bn30	0.362	66.5	Y			NR Bn41 SRS3	0.075		N
			NR Bn70	0.636	67.0	Y			NR Bn77 SRS1	0.365		N
			NR Bn41 SRS2	0.455	66.5	Y			5.2G Ant.1	0.358		N
			Worst configuration	0.816	58.0				5.5G Ant.1	0.648	-58.5	Y
			Ant.D+G							5.8G Ant.1	0.555	
									5.9G Ant.1	0.418		N
									6G Ant.1	0.490		N
									Worst configuration	0.648	-58.5	
		Ant.F							WCDMA B2	0.479		N
									WCDMA B4	0.553		N
									LTE B66(4)	0.910	-70.6	Y
						LTE B25(2)	0.390		N			
						LTE B30	0.352		N			
						LTE B7	0.465		N			
						LTE B41(38)	0.865	-67.0	Y			
						NR Bn7	0.546		N			
						NR Bn66(4)	0.725	-62.0	Y			
						NR Bn25(2)	0.466		N			
						NR Bn30	0.332		N			
						NR Bn70	0.506		N			
						NR Bn41 SRS1	1.072	-73.0	Y			
					NR Bn48 SRS3	0.368		N				
					NR Bn77 SRS3	0.202		N				
					Worst configuration	1.072	-62.0					
Ant.G						2.4G Ant.2	0.762	-66.1	Y			
						BT Ant.2	1.247	-62.1	Y			
						Worst configuration	1.247	-62.1				
Ant.D+G					2.4G MIMO	0.804	-65.0	Y				
					BT MIMO	0.410		N				
					Worst configuration	0.804	-65.0					
Positions	Antenna Group	Antenna	Bands	Measured SAR (W/kg)	Y-axis (mm)	SPLSR (Y/N)						
Front	ER	Ant.F	UWB	0.004	-87.3	Y						

Rear

Position	AG0	AG1	UWB	Closest distance (mm)		AG0 + (AG1+ER) (W/kg)	SPLSR Results
Rear 5mm	Ant.A	Ant.D	0.002	106.4	mm	1.761	0.02
	Ant.A+B		0.002	92.4	mm	2.482	0.04
	Ant.B		0.002	103.6	mm	2.519	0.04
	Ant.C		0.002	107.2	mm	1.671	0.02
	Ant.A+B	Ant.E	0.002	104.0	mm	2.301	0.03
	Ant.B		0.002	115.2	mm	2.338	0.03
	Ant.A	Ant.F	0.002	121.3	mm	1.710	0.02
	Ant.A+B		0.002	107.3	mm	2.431	0.04
	Ant.B		0.002	118.5	mm	2.468	0.03
	Ant.C		0.002	122.1	mm	1.620	0.02
	Ant.A	Ant.G	0.002	126.3	mm	1.820	0.02
	Ant.A+B		0.002	112.3	mm	2.541	0.04
	Ant.B		0.002	123.5	mm	2.578	0.03
	Ant.C		0.002	127.1	mm	1.730	0.02
	Ant.A	Ant.D+G	0.002	128.8	mm	1.634	0.02
	Ant.A+B		0.002	114.8	mm	2.356	0.03
	Ant.B		0.002	126.0	mm	2.393	0.03
	Ant.A+B	Ant.D+E	0.002	105.0	mm	1.679	0.02
	Ant.B		0.003	116.2	mm	1.716	0.02

Front

Position	AG0	AG1	UWB	Closest distance (mm)		AG0 + AG1 + ER (W/kg)	SPLSR Results
Front 5mm	Ant.A+B	Ant.D	0.004	90.8	mm	1.974	0.03
	Ant.B		0.004	98.0	mm	1.765	0.02
	Ant.A+B	Ant.E	0.004	109.2	mm	1.677	0.02
	Ant.A+B	Ant.F	0.004	112.7	mm	2.100	0.03
	Ant.B		0.004	119.9	mm	1.892	0.02
	Ant.A+B	Ant.G	0.004	112.8	mm	2.276	0.03
	Ant.B		0.004	120.0	mm	2.067	0.02
	Ant.A+B	Ant.D+G	0.004	115.7	mm	1.832	0.02
	Ant.B		0.004	122.9	mm	1.624	0.02

Note(s):

1. UWB antenna and Ant.F share the same physical antenna.
2. For AG1+ER(UWB) combinations in Rear and Front, X-axis location was chosen to be the closet distance from AG0.
3. Worst combination Sum SPLSR criteria results in not over 0.04 (1-g SAR). So additional test is not required.

14.2.3. Product Specific 10-g (DSI=0) Exposure Analysis

Condition#1 (Sum of SAR)

AG1's worst configuration

Antenna Group		AG1	AG1	AG1	AG1
Antenna		Ant.D	Ant.E	Ant.D+E	Highest Adjusted SAR
RF exposure	Test position	Adjusted SAR	Adjusted SAR	Adjusted SAR	
Body-worn 1-g	Rear	0.403	0.656	0.617	0.656
	Front	0.588	0.648	0.529	0.648
Product Specific 10-g	Top	0.438	0.711	0.943	0.943
	Left	0.000	0.000	0.000	0.000
	Bottom	0.000	0.000	0.000	0.000
	Right	0.438	0.000	0.943	0.943

ER summation results

ER techs		NFC	UWB
RF exposure	Test position	Measured SAR	Measured SAR
Product Specific 10-g	Rear	0.014	0.000
	Front	0.000	0.002
	Top	0.000	0.000
	Left	0.000	0.000
	Bottom	0.000	0.000
	Right	0.000	0.000

AG1 and ER summation results

Antenna Group		AG1		ER (External Ratio)				AG1+ER TER	TER Limit	Convert TER to 10g SAR	FCC SAR Limit
Antenna		All		NFC		UWB					
RF exposure	Test position	Highest Adjusted SAR	ER (Exposure Ratio)	Measured SAR	ER (Exposure Ratio)	Measured SAR	ER (Exposure Ratio)				
Body-worn 1-g & Product Specific 10-g	Rear	0.656	0.410	0.014	0.004	0.000	0.000	0.414	1.0	1.655	4.0
	Front	0.648	0.405	0.000	0.000	0.002	0.001	0.406		1.623	
	Top	0.943	0.236	0.000	0.000	0.000	0.000	0.236		0.943	
	Left	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	
	Right	0.943	0.236	0.000	0.000	0.000	0.000	0.236		0.943	

Note(s):

Additional evaluation is not required due to below SAR Limit

Conclusion:

Simultaneous Transmission SAR analysis results is satisfied the FCC Limit requirement according to follow procedures with "Sum of SAR" or "SUM-SPLSR" and "TER calculation".

Appendixes

Refer to separated files for the following appendixes.

S-4792147575-S1 FCC Report RFx App A Photos

S-4792147575-S1 FCC Report RFx App B Test Plots

S-4792147575-S1 FCC Report RFx App C System Plots

S-4792147575-S1 FCC Report RFx App D Tissue

S-4792147575-S1 FCC Report RFx App E Probe Certi

S-4792147575-S1 FCC Report RFx App F Dipole Certi

S-4792147575-S1 FCC Report RFx App G Power results

S-4792147575-S1 FCC Report RFx App H Flat Head SAR for STx

END OF REPORT