

RF Exposure report



The following samples were submitted and identified on behalf of the client as:

Product Name	Handheld Terminal
Brand Name	Elo
Model No.	EMC-M61SC
Family Model No.	EMC-M61C
Model Difference	EMC-M61SC with scanner EMC-M61C without scanner
Applicant	Elo Touch Solutions, Inc. 670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA.
Standards	IEEE/ANSI C95.1-1992, IEEE 1528-2013
FCC ID	RBWEMCM61C
Date of EUT Receipt	May. 05, 2026
Date of Test(s)	May 15, 2026 ~ Jul. 02, 2026
Date of Issue	Jul. 03, 2026

Approved By /

John Teh

John Yeh

In the configuration tested, the EUT complied with the standards specified above.

Remarks:

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2605000311EN	00	Initial creation of document	Jun. 26, 2026	Kimmy Chiou	
TESA2605000311EN	01	Modify comment	Jul. 03, 2026	Kimmy Chiou	*

Note:

1. The mark " * " is the revised version of the report due to comments submitted by the certification.
2. Variant information of model numbers is provided by the applicant, test results of this report are applicable to the sample EUT(s) received.
And are assessed it is necessary to spot check for the variant(s).
3. The model EMC-M61C was selected as the worst case, it was used as the primary test unit for conducting the full test.

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1 GENERAL INFORMATION

1.1 Test Methodology

The SAR testing method and procedure for this device is in accordance with the following standards:

IEEE/ANSI C95.1-1992

IEEE 1528-2013

KDB 447498D01v06

KDB 865664D01v01r04

KDB 865664D02v01r02

KDB 941225D07v01r02

KDB 941225D05v02r05

KDB 248227D01v02r02

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1.2 Description of EUT

Product Name	Handheld Terminal	
Brand Name	Elo	
Model No.	EMC-M61SC	
Family Model No.	EMC-M61C	
Model Difference	EMC-M61SC with scanner EMC-M61C without scanner	
Duty Cycle	LTE FDD	1
	WLAN 802.11	Please refer to section 3
	Bluetooth	Please refer to section 3
Supported radios (TX Frequency Range, MHz)	LTE FDD Band 2	1850-1910
	LTE FDD Band 4	1710-1755
	LTE FDD Band 5	824-849
	LTE FDD Band 12	699-716
	LTE FDD Band 13	777-787
	LTE FDD Band 17	704-716
	LTE FDD Band 66	1710-1780
	802.11 b/g/n	2.4GHz (2400.0 – 2483.5 MHz)
	802.11a/n/ac	5.2GHz (5150.0 – 5250.0 MHz) 5.3GHz (5250.0 – 5350.0 MHz) 5.6GHz (5470.0 – 5725.0 MHz) 5.8GHz (5725.0 – 5850.0 MHz)
	Bluetooth	2.4GHz (2400.0 – 2483.5 MHz)
	NFC	13.56MHz

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1.3 Maximum value

Body

Summary of Maximum SAR Value	
Mode	Highest SAR 1g (W/kg)
NFC	0.02
LTE Band 2	1.19
Bluetooth(GFSK)	0.20
2.4G WLAN	0.55
5G WLAN	1.10

Limb

Summary of Maximum SAR Value	
Mode	Highest SAR 10g (W/kg)
NFC	0.03
LTE Band 2	1.18
Bluetooth(GFSK)	0.20
2.4G WLAN	0.62
5G WLAN	0.90

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1.4 Antenna Information

Vendor		Part Number
Shanghai Deman Electronics Technology Co. , Ltd.		NA-DF
Band	Frequency(MHz)	Peak Gain (dBi)
		Main(LTE)
LTE 2	1850~1910	0.81
LTE 4	1710~1755	0.79
LTE 5	824~849	-1.42
LTE 12	699~716	-3.44
LTE 13	777~787	-1.75
LTE 17	704~716	-3.44
LTE 66	1710~1780	1.18

Vendor		Part Number
Shanghai Deman Electronics Technology Co. , Ltd.		DG
Band	Frequency(MHz)	Peak Gain (dBi)
		Main
2.45GHz	2400~2500	-0.77
5.2GHz	5150~5250	-0.84
5.3GHz	5250~5350	-0.49
5.6GHz	5470~5725	-0.08
5.8GHz	5725~5850	-0.01

Note: Antenna information is provided by the applicant.

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2 MEASUREMENT SYSTEM

2.1 Test Facility

Laboratory	Test Site Address	Test Site Name	Test Engineer	Project Engineer	FCC Designation number/ Registration Number	IC CAB identifier/ Company Number
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	1F, No. 8, Alley 15, Lane 120, Sec. 1, NeiHu Road, NeiHu District, Taipei City, 11493, Taiwan	SAR 2	-	-	TW0029/ 150169	TW3702/ 23862
		SAR 6	-	-		
		SAR 8	Allen Chen	Tom Chiang		
	No. 2, Keji 1st Rd., Guishan Township, Taoyuan County, 33383, Taiwan	SAR 1	-	-	TW0028/ 200037	TW3702/ 4620E
		SAR 4	-	-		
	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan	SAR 3	-	-	TW0027/ 891563	TW3702/ 4620A
		SAR 7	-	-		

Note: Test site name is remarked on a bolded mark as an indication where measurements occurred in specific test site and address.

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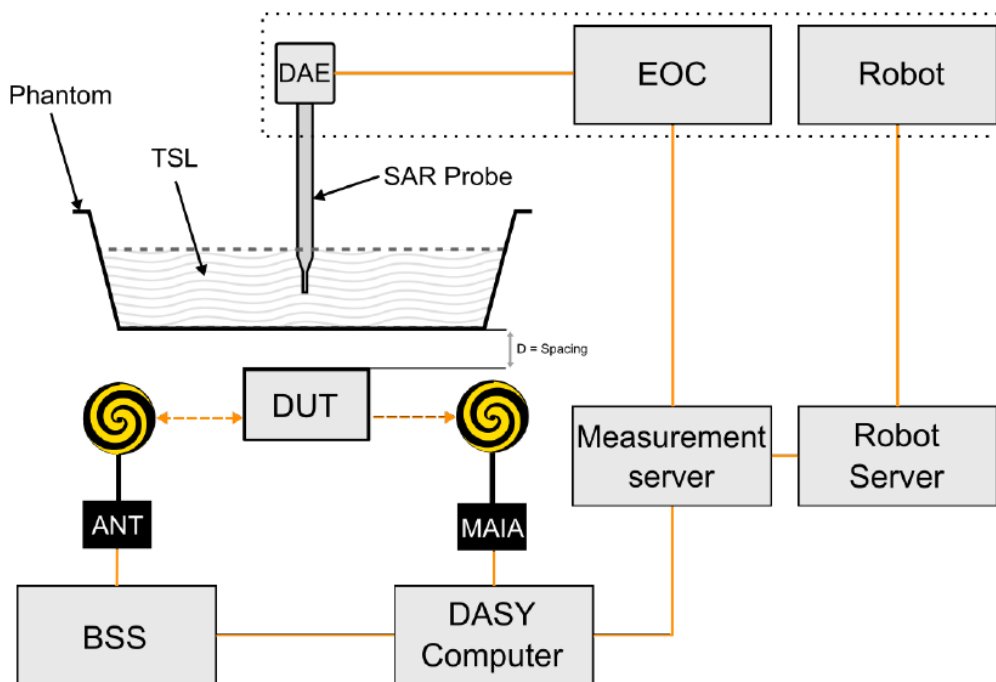
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2.2 SAR System

Block Diagram (DASY8)

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



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

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EX3DV4 E-Field Probe

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)		
Calibration	Basic Broad Band Calibration in air Conversion Factors (CF) for HSL 13.56/750/835/1750/1900/2450/5250/5600/5750/5850 MHz Additional CF for other liquids and frequencies upon request		
Frequency	10 MHz to > 6 GHz		
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)		
Dynamic Range	10 µW/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 µW/g)		
Dimensions	Tip diameter: 2.5 mm		
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.		

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PHANTOM (ELI)

Model	ELI	
Construction	The ELI phantom is used for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.	
Shell Thickness	2 ± 0.2 mm	
Filling Volume	Approx. 30 liters	
Dimensions	Major axis: 600 mm Minor axis: 400 mm	

DEVICE HOLDER

Construction	The device holder (Supporter) for Notebook is made by POM (polyoxymethylene resin) , which is non-metal and non-conductive. The height can be adjusted to fit varies kind of notebooks.	
		Device Holder

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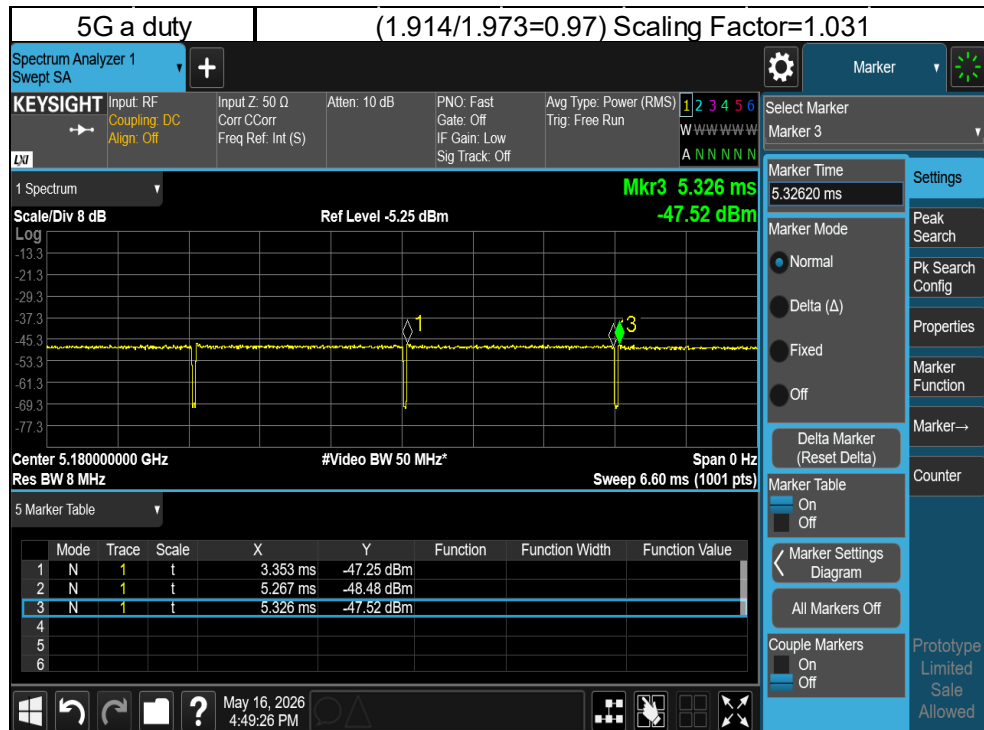
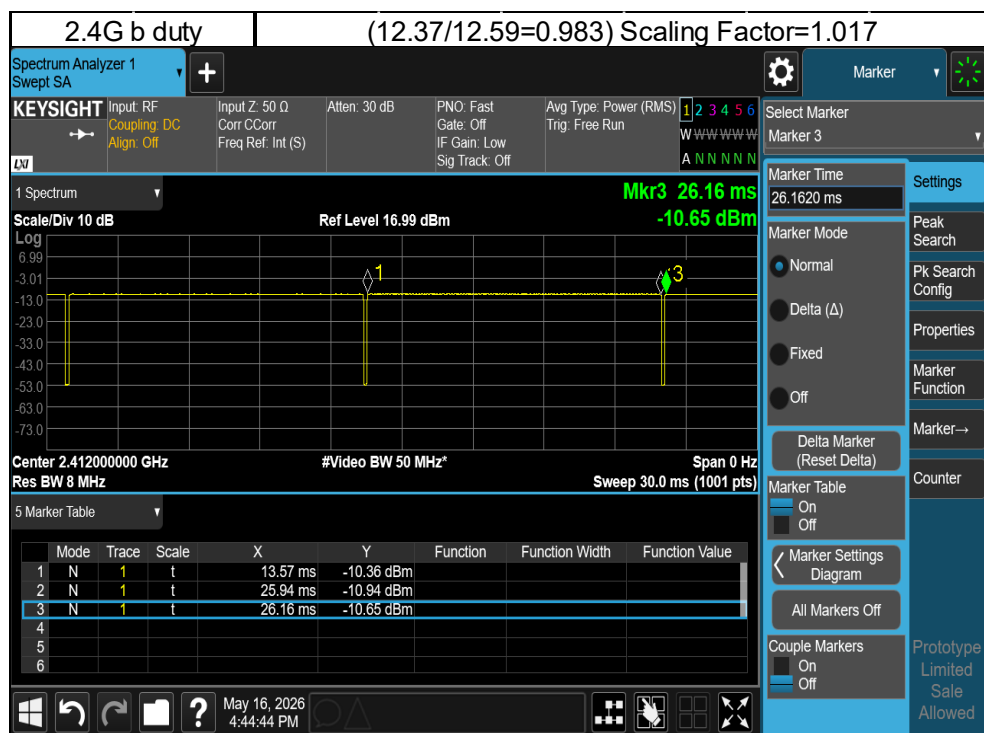
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3 DUTY CYCLE



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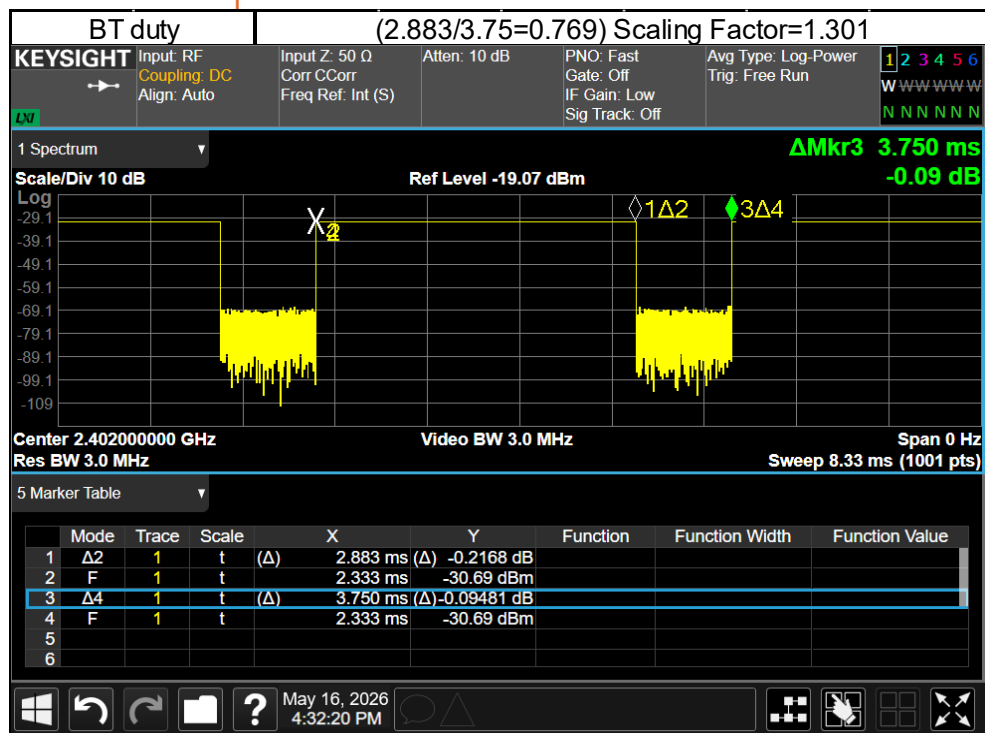
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4 SAR SYSTEM VERIFICATION

4.1 Tissue Simulating Liquid

For the measurement of the field distribution inside the SAM phantom with DASY, the phantom must be filled with homogeneous tissue simulating liquid. For head SAR testing, the liquid height from the ear rint (ERP) of the phantom to the liquid top surface is larger than 15cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15cm.

4.2 Tissue Simulant Liquid measurement

The dielectric properties for this Head-simulant fluid were measured by using the SPEAG Dielectric Assessment Kit (DAKS-3.5)

All dielectric parameters of tissue simulates were measured within 24 hours of SAR measurements. The measured conductivity and permittivity are all within $\pm 5\%$ of the target values.

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4.3 Measurement results of Tissue Simulant Liquid

Measured Frequency (MHz)	Target Dielectric Constant, ϵ_r	Target Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ_r	Measured Conductivity, σ (S/m)	% dev ϵ_r	% dev σ	Limit	Measurement Date
704	42.145	0.887	43.593	0.904	3.43%	1.92%	± 5%	May. 15, 2026
707.5	42.127	0.887	43.575	0.905	3.44%	2.01%	± 5%	May. 15, 2026
709	42.119	0.887	43.547	0.907	3.39%	2.22%	± 5%	May. 15, 2026
710	42.113	0.887	43.541	0.909	3.39%	2.44%	± 5%	May. 15, 2026
711	42.108	0.887	43.535	0.911	3.39%	2.66%	± 5%	May. 15, 2026
750	41.900	0.890	43.326	0.912	3.40%	2.47%	± 5%	May. 15, 2026
782	41.749	0.894	43.173	0.918	3.41%	2.71%	± 5%	May. 15, 2026
829	41.528	0.899	43.021	0.924	3.59%	2.75%	± 5%	May. 16, 2026
835	41.500	0.900	42.994	0.925	3.60%	2.78%	± 5%	May. 16, 2026
836.5	41.500	0.902	42.993	0.927	3.60%	2.82%	± 5%	May. 16, 2026
844	41.500	0.910	42.990	0.935	3.59%	2.78%	± 5%	May. 16, 2026
1720	40.114	1.354	41.233	1.322	2.79%	-2.38%	± 5%	May. 17, 2026
1732.5	40.096	1.361	41.215	1.329	2.79%	-2.38%	± 5%	May. 17, 2026
1745	40.079	1.369	41.197	1.336	2.79%	-2.38%	± 5%	May. 17, 2026
1750	40.071	1.371	41.189	1.338	2.79%	-2.44%	± 5%	May. 17, 2026
1770	40.043	1.383	41.161	1.351	2.79%	-2.30%	± 5%	May. 17, 2026
1860	40.000	1.400	41.139	1.374	2.85%	-1.86%	± 5%	May. 18, 2026
1880	40.000	1.400	41.129	1.377	2.82%	-1.64%	± 5%	May. 18, 2026
1900	40.000	1.400	41.118	1.381	2.80%	-1.36%	± 5%	May. 18, 2026
2402	39.282	1.757	40.615	1.776	3.39%	1.05%	± 5%	May. 18, 2026
2412	39.265	1.766	40.598	1.794	3.39%	1.57%	± 5%	May. 18, 2026
2437	39.222	1.788	40.554	1.815	3.40%	1.48%	± 5%	May. 18, 2026
2441	39.215	1.792	40.547	1.819	3.40%	1.51%	± 5%	May. 18, 2026
2450	39.200	1.800	40.532	1.829	3.40%	1.61%	± 5%	May. 18, 2026
2462	39.184	1.813	40.515	1.843	3.40%	1.67%	± 5%	May. 18, 2026
2480	39.160	1.832	40.489	1.862	3.39%	1.64%	± 5%	May. 18, 2026
5180	36.020	4.639	34.969	4.503	-2.92%	-2.93%	± 5%	May. 19, 2026
5200	36.000	4.660	34.948	4.525	-2.92%	-2.90%	± 5%	May. 19, 2026
5220	35.980	4.680	34.928	4.566	-2.92%	-2.44%	± 5%	May. 19, 2026
5240	35.960	4.700	34.907	4.587	-2.93%	-2.40%	± 5%	May. 19, 2026
5250	35.950	4.710	34.896	4.596	-2.93%	-2.42%	± 5%	May. 19, 2026
5260	35.940	4.720	34.885	4.607	-2.94%	-2.39%	± 5%	May. 19, 2026
5280	35.920	4.740	34.965	4.626	-2.66%	-2.41%	± 5%	May. 19, 2026
5300	35.900	4.760	34.943	4.648	-2.67%	-2.35%	± 5%	May. 19, 2026
5320	35.880	4.780	34.824	4.667	-2.94%	-2.36%	± 5%	May. 19, 2026
5500	35.650	4.965	34.592	4.852	-2.97%	-2.28%	± 5%	May. 19, 2026
5600	35.500	5.070	34.445	4.956	-2.97%	-2.25%	± 5%	May. 19, 2026
5700	35.400	5.170	34.343	5.055	-2.99%	-2.22%	± 5%	May. 19, 2026
5720	35.380	5.190	34.323	5.075	-2.99%	-2.22%	± 5%	May. 20, 2026
5745	35.355	5.215	34.297	5.102	-2.99%	-2.17%	± 5%	May. 20, 2026
5750	35.350	5.220	34.292	5.108	-2.99%	-2.15%	± 5%	May. 20, 2026
5785	35.315	5.255	34.257	5.144	-3.00%	-2.11%	± 5%	May. 20, 2026
5825	35.275	5.296	34.216	5.185	-3.00%	-2.10%	± 5%	May. 20, 2026
5850	35.250	5.323	34.192	5.213	-3.00%	-2.06%	± 5%	May. 20, 2026
13	55.000	0.750	55.110	0.741	0.20%	-1.20%	± 5%	Jul. 02, 2026
13.56	55.000	0.750	55.100	0.743	0.18%	-0.93%	± 5%	Jul. 02, 2026

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4.4 The composition of the tissue simulating liquid:

Simulating Liquids for 600 MHz -10 GHz, Manufactured by SPEAG:

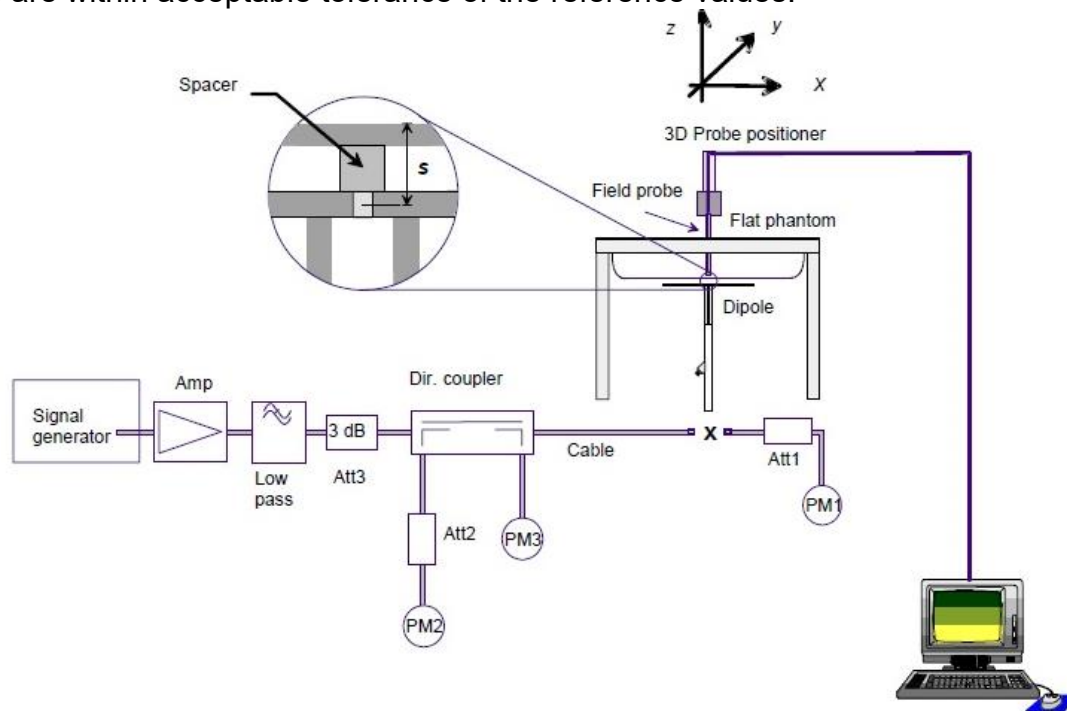
Broad-band head tissue simulating liquids	SPEAG Product	Frequency range (MHz)	Main Ingredients
	HBBL600-10000V6	600 - 10000	Water, Oil

4.5 System check

The microwave circuit arrangement for system check is sketched in below. The daily system accuracy verification occurs within the flat section of the SAM phantom and ELI phantom. A SAR measurement was performed to see if the measured SAR was within +/- 10% from the target SAR values.

The tests were conducted on the same days as the measurement of the DUT. The obtained results from the system accuracy verification are displayed with SAR values normalized to 1W forward power delivered to the dipole.

During the tests, the liquid depth from the center of the flat phantom to the liquid top surface was 15 cm above in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.



The block diagram of system check

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4.6 System check results

Body

Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=250mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D750V3	1015	750	8.54	2.12	8.48	-0.70	± 10%	May.15,2026
D835V2	4d063	835	9.47	2.35	9.4	-0.74	± 10%	May.16,2026
D1750V2	1008	1750	36.4	9.21	36.84	1.21	± 10%	May.17,2026
D1900V2	5d173	1900	39.8	10.3	41.2	3.52	± 10%	May.18,2026
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=250mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D2450V2	727	2450	52.6	13.6	54.4	3.42	± 10%	May.18,2026
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=100mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D5GHzV2	1349	5250	80.9	8.21	82.1	1.48	± 10%	May.19,2026
D5GHzV2	1349	5600	82.4	8.53	85.3	3.52	± 10%	May.19,2026
D5GHzV2	1349	5750	80.8	8.35	83.5	3.34	± 10%	May.20,2026
D5GHzV2	1349	5850	79.9	8.5	85	6.38	± 10%	May.20,2026
Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=250mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
CLA13	1027	13.56	0.508	0.123	0.492	-3.15	± 10%	Jul.02,2026

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Limb

Validation Kit	S/N	Frequency (MHz)	1W Target 10g-SAR (W/kg)	pin=250mW Measured 10g-SAR (W/kg)	Normalized to 1W 10g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D750V3	1015	750	5.72	1.43	5.72	0.00	± 10%	May.15,2026
D835V2	4d063	835	6.13	1.55	6.2	1.14	± 10%	May.16,2026
D1750V2	1008	1750	19.6	5.19	20.76	5.92	± 10%	May.17,2026
D1900V2	5d173	1900	21	5.65	22.6	7.62	± 10%	May.18,2026
Validation Kit	S/N	Frequency (MHz)	1W Target 10g-SAR (W/kg)	pin=250mW Measured 10g-SAR (W/kg)	Normalized to 1W 10g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D2450V2	727	2450	24.7	6.69	26.76	8.34	± 10%	May.18,2026
Validation Kit	S/N	Frequency (MHz)	1W Target 10g-SAR (W/kg)	pin=100mW Measured 10g-SAR (W/kg)	Normalized to 1W 10g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D5GHzV2	1349	5250	23.1	2.41	24.1	4.33	± 10%	May.19,2026
D5GHzV2	1349	5600	23.5	2.47	24.7	5.11	± 10%	May.19,2026
D5GHzV2	1349	5750	23	2.4	24	4.35	± 10%	May.20,2026
D5GHzV2	1349	5850	22.6	2.41	24.1	6.64	± 10%	May.20,2026
Validation Kit	S/N	Frequency (MHz)	1W Target 10g-SAR (W/kg)	pin=250mW Measured 10g-SAR (W/kg)	Normalized to 1W 10g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
CLA13	1027	13.56	0.32	0.075	0.3	-6.25	± 10%	Jul.02,2026

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5 TEST CONFIGURATIONS

5.1 Test Environment

Ambient Temperature: $22 \pm 2^{\circ}\text{C}$

Tissue Simulating Liquid: $22 \pm 2^{\circ}\text{C}$

5.2 Test Note

- **General:** Measurements are performed respectively on the lowest, middle and highest channels of the operating band(s).
- **General:** The EUT is set to maximum power level during all tests, and at the beginning of each test the battery is fully charged.
- **General:** During the SAR testing, the DASY system checks power drift by comparing the e-field strength of one specific location measured at the beginning with that measured at the end of the SAR testing.
- **General:** According to KDB447498D01v06, testing of other required channels is not required when the reported 1-g SAR for the highest output channel is $\leq 0.8\text{ W/kg}$, when the transmission band is $\leq 100\text{ MHz}$.
- **General:** According to KDB865664D01v01r04, SAR measurement variability must be assessed for each frequency band. When the original highest measured SAR is $\geq 0.8\text{ W/kg}$, repeated that measurement once. 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 $\geq 1.45\text{ W/kg}$ ($\sim 10\%$ from the 1-g SAR limit).
- **LTE:** LTE modes test according to **KDB 941225D05v02r05**.
 - a. Per Section 5.2.1, the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation.
 - Using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
 - When the reported SAR is $\leq 0.8\text{ W/kg}$, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel.
 - When the reported SAR of a required test channel is $> 1.45\text{ W/kg}$, SAR is required for all three RB offset configurations for that required test channel.
 - b. Per Section 5.2.2, the largest channel bandwidth and measure SAR for QPSK with 50% RB allocation
 - The procedures required for 1 RB allocation in 5.2.1 are applied to measure the SAR for QPSK with 50% RB allocation.
 - c. Per Section 5.2.3, the largest channel bandwidth and measure SAR for QPSK with 100% RB allocation
 - For QPSK with 100% RB allocation, SAR is not required when the highest

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maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 5.2.1 and 5.2.2 are ≤ 0.8 W/kg.

- Otherwise, SAR is measured for the highest output power channel and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

d. Per Section 5.2.4, Higher order modulations

- For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in sections 5.2.1, 5.2.2 and 5.2.3 to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> \frac{1}{2}$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

e. Per Section 5.3, other channel bandwidth standalone SAR test requirements

- For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section 5.2 to determine the channels and RB configurations that need SAR testing and only measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is $> \frac{1}{2}$ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg. The equivalent channel configuration for the RB allocation, RB offset and modulation etc. is determined for the smaller channel bandwidth according to the same number of RB allocated in the largest channel bandwidth.

- TDD LTE was tested at highest duty factor using UL-DL configuration 0 with 6 UL subframes and 2 special subframes using extended cyclic prefix only and special subframe configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Section 4.2, the duty factor for UL-DL configuration 0/special subframe configuration 6 using extended cyclic prefix is 0.633.

According to KDB 941225 D05, SAR testing for TDD LTE 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 TDD LTE configurations. The TDD-LTE of this device supports frame structure type 2 defined in 3GPP TS 36.211 section 4.2, and the frame structure configuration can be tabulated as below.

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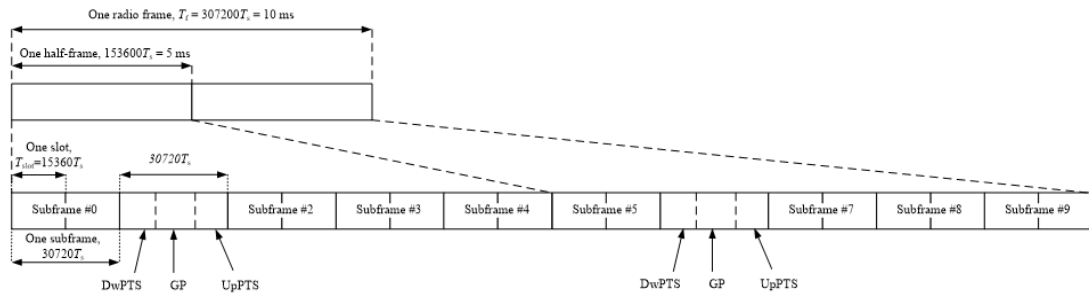


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity)

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

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

Table 4.2-2: Uplink-downlink configurations

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Considering the highest transmission duty cycle, TDD LTE was tested using Uplink-Downlink configuration 0 with 6 uplink subframe and 2 special subframe. The special subframe was set to special subframe configuration 6 using extended cyclic prefix uplink. Therefore, SAR testing for TDD LTE was measured at the maximum output power with highest transmission duty cycle of 63.33%.

- **WLAN 2.4GHz:** 802.11b DSSS SAR Test Requirements: SAR is measured for 2.4 GHz 802.11b DSSS mode using the highest measured maximum output power channel, 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

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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; i.e., all channels require testing.

- **WLAN 2.4GHz:** 802.11g/n OFDM SAR Test Exclusion Requirements: SAR is not required for 802.11g/n since the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.

- **WLAN 5GHz:** Initial Test Configuration: 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. When the reported SAR of the initial test configuration is > 0.8 W/kg, SAR measurement is required for the subsequent next highest measured output power channel(s) in the initial test configuration until the reported SAR is ≤ 1.2 W/kg or all required channels are tested. Since the highest reported SAR for the initial test configuration 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 subsequent test configuration.

- **WLAN 5GHz:** Based on FCC guidance, general principles of KDB248227D01 can be applied to 802.11ax to determine initial test configuration with 802.11ax being considered as the highest 802.11 mode for the appropriate frequency band.

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5.3 Test position

SAR test position

Body SAR: The device was tested for all surfaces with 5mm distance.

Limb SAR: The device was tested for all surfaces with 0mm distance.

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5.4 Proximity sensor operation description

The P-sensor being used to reduce output power is capacitive in which when the object such as human body, metal or plastic is being approached, the sensing capacitance would be increased with the antenna pad. Once the capacitance is accumulated, and reached over the threshold as set in MCU of the microchip, the interruption signal is pulled low (High state without trigger) and further inform modem module of the transmitter to make power reduction.

4.5.1 Proximity sensor measurement procedure

1. The proximity sensor is collocated with WWAN antenna.
2. Output power is measured, and monitored by using the base station simulator and power sensor/power meter. A RF cables with sufficient length was being attached from the antenna port of the module, and used for the measurement. The appropriate loss attenuated from cable is compensated in the test setup.



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4.5.2 Trigger distances for bottom

Test procedure:

1. The entire back surface or edge of the tablet is positioned below a flat phantom filled with the required tissue equivalent medium and positioned at least 20 mm further than the distance that triggers power reduction.
2. The back surface or edge is moved toward the phantom in 3 mm steps until the sensor triggers.
3. The back surface or edge is again moved toward the phantom, but in 1 mm steps, until it is at least 5 mm past the triggering point or touching the phantom
4. If the tablet is not touching the phantom, it is moved in 3 mm steps until it touches the phantom to confirm that the sensor remains triggered and the maximum power stays reduced.
5. The back surface or edge is then moved back (further away) from the phantom until maximum output power is returned to the normal maximum level.
6. The process is then reversed by moving the tablet away from the phantom to determine triggering release, until it is at least 10 mm beyond the point that triggers the return of normal maximum power.
7. The measured output power within ± 5 mm of the triggering points, or until the tablet is touching the phantom, for movements to and from the phantom should be tabulated.

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8. To ensure all production units are compliant, it is generally necessary to reduce the triggering distance determined from the triggering tests by 1 mm, or more if it is necessary, and use the smallest distance for movements to and from the phantom, minus 1 mm, as the sensor triggering distance for determining the SAR measurement distance.
9. For bottom, the trigger distance of proximity sensor is 20mm.

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4.5.3 Tilt angle testing

Test procedure:

1. The influence of table tilt angles to proximity sensor triggering is determined by positioning each tablet edge that contains a transmitting antenna, perpendicular to the flat phantom, at the smallest sensor triggering test distance determined in sections 1.6.2 by rotating the tablet around the edge next to the phantom in ≤ 10 deg increments until the tablet is ± 45 deg or more from the vertical position at 0 deg.
2. If sensor triggering is released and normal maximum output power is restored within the ± 45 deg range, the procedures in step 1) should be repeated by reducing the tablet to phantom separation distance by 1 mm until the proximity sensor no longer releases triggering, and maximum output power remains in the reduced mode.
3. The smallest separation distance determined in steps 1) and 2), minus 1 mm, is the sensor triggering distance for tablet tilt coverage. The smallest separation distance determined in sections 1.6.2, 1.6.3 minus 1 mm should be used in the SAR measurements.
4. The influence of tablet tilt angles to proximity sensor triggering is determined by positioning top and right sides, please refer to table 1.6.5 and 1.6.6.
5. After the tilt angle testing for top edge, the sensor is not released during ± 45 deg, so trigger distance - 1mm should be used in the SAR measurements.

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4.5.4 Proximity sensor coverage

The following procedures do not apply and are not required when the antenna and sensor are collocated and the peak SAR location is overlapping with the sensor.

Test procedure:

1. The back surface or edges of the tablet is positioned at a test separation distance less than or equal to the distance required for back surface or edge triggering, with both the antenna and sensor pad located at least 20 mm laterally outside the edge (boundary) of the phantom, along the direction of maximum antenna and sensor offset.
2. The similar sequence of steps applied to determine sensor triggering distance in section 1.6.2 are used to verify back surface and edge sensor coverage by moving the tablet (sensor and antenna) horizontally toward the phantom while maintaining the same vertical separation between the back surface or edge and the phantom.
3. After the exact location where triggering of power reduction is determined, with respect to the sensor and antenna, the tablet movement should be continued, in 3 mm increments, until both the sensor and antenna(s) are fully under the phantom and at least 20 mm inside the phantom edge.
4. The process is then repeated from the other direction, at the opposite end of maximum antenna and sensor offset, by rotating the tablet 180 degrees.

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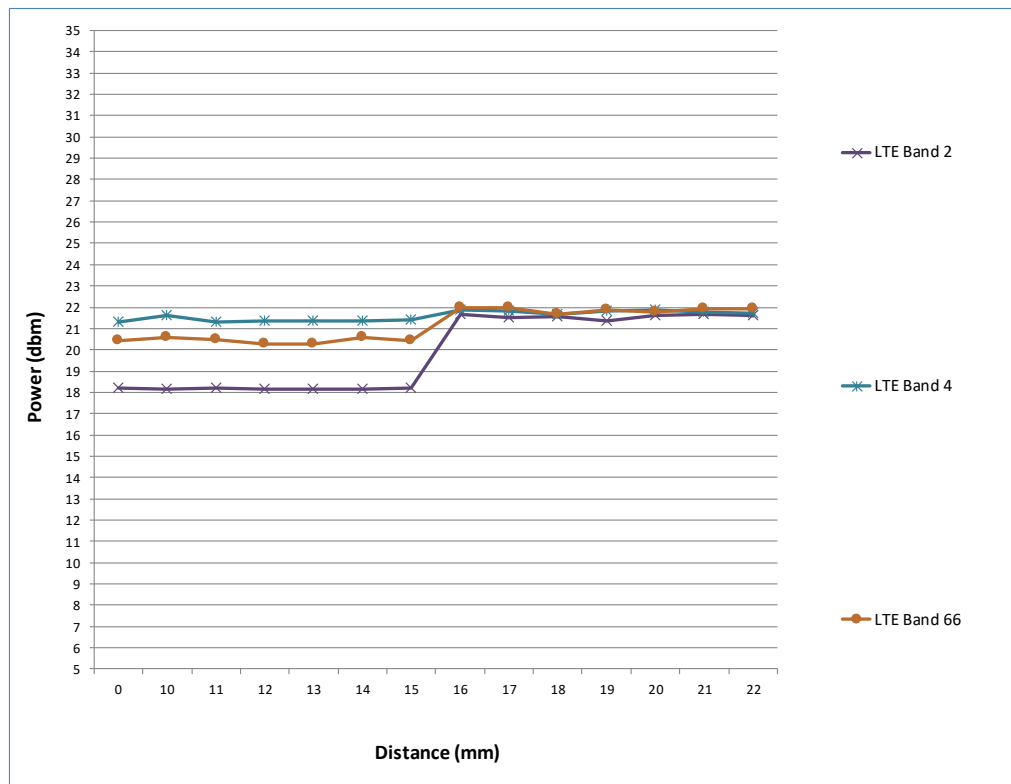
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4.5.5 Results

The measured output power within ± 5 mm of the triggering points, or until the tablet is touching the phantom, for movements to and from the phantom is tabulated in the following.

Back Surface

Moving device toward the phantom

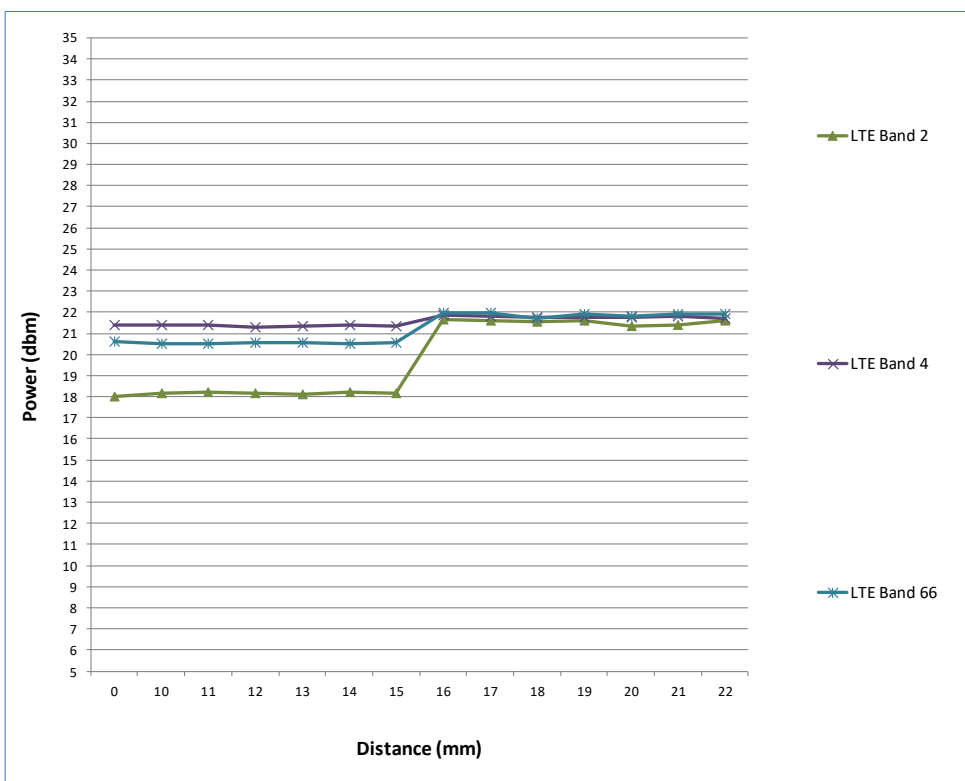


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Moving device away from the phantom



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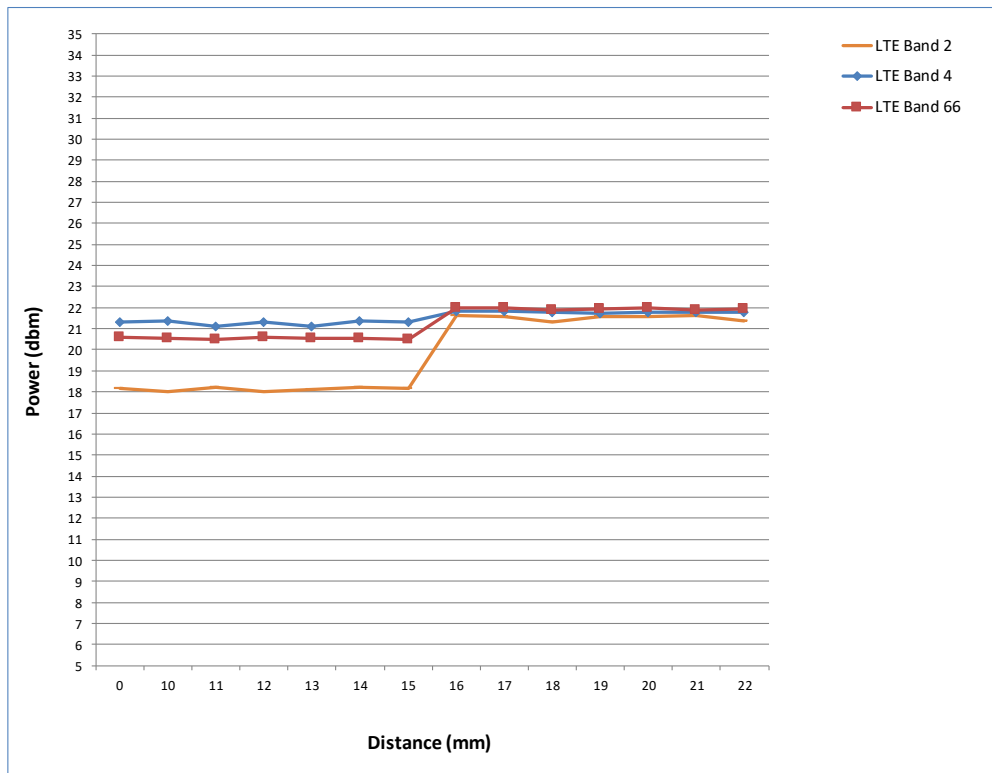
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Bottom Surface

Moving device toward the phantom

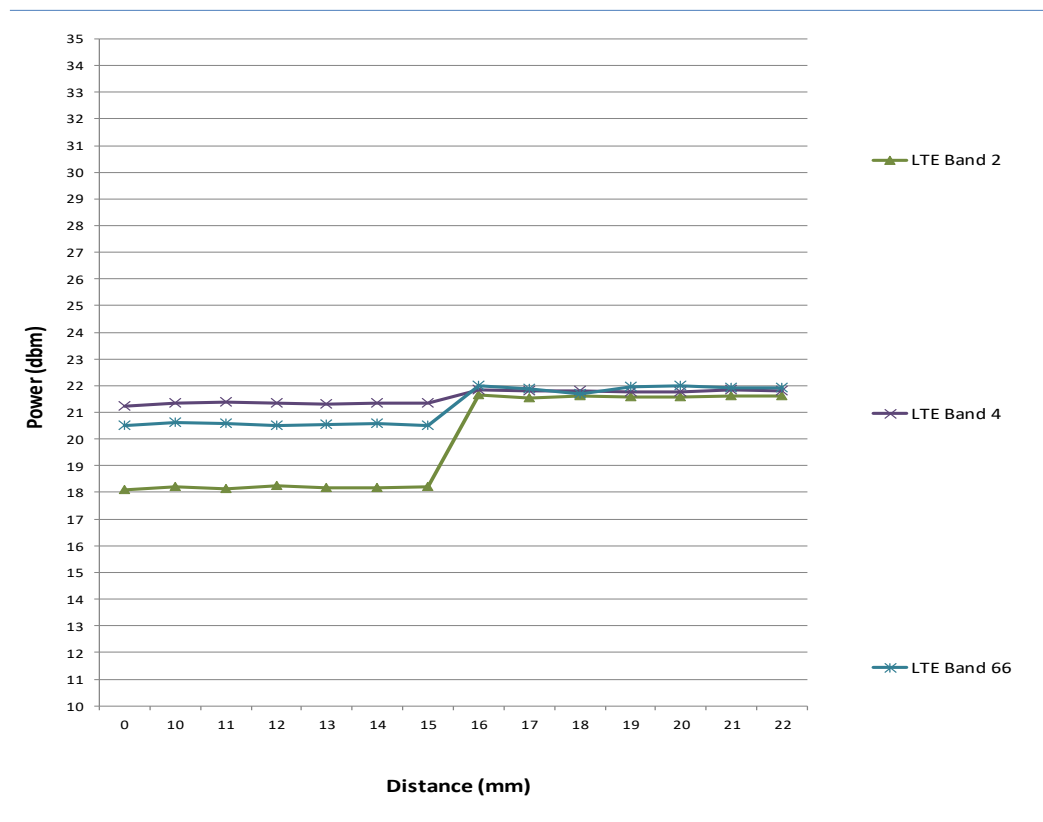


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Moving device away from the phantom



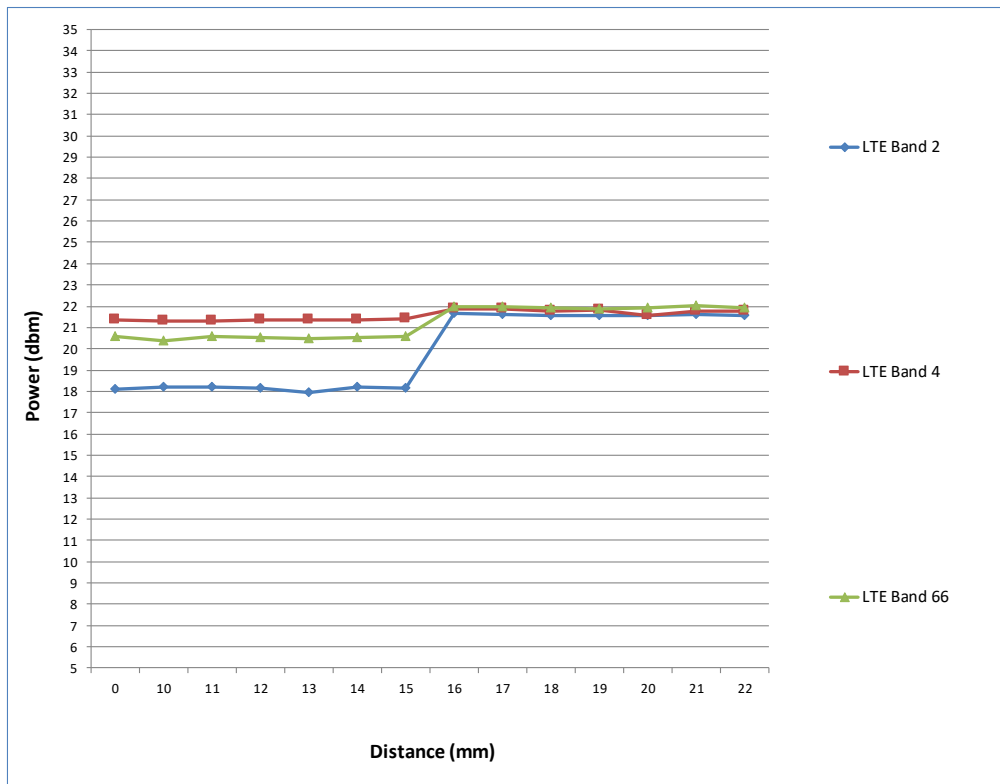
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Left Edge

Moving device toward the phantom

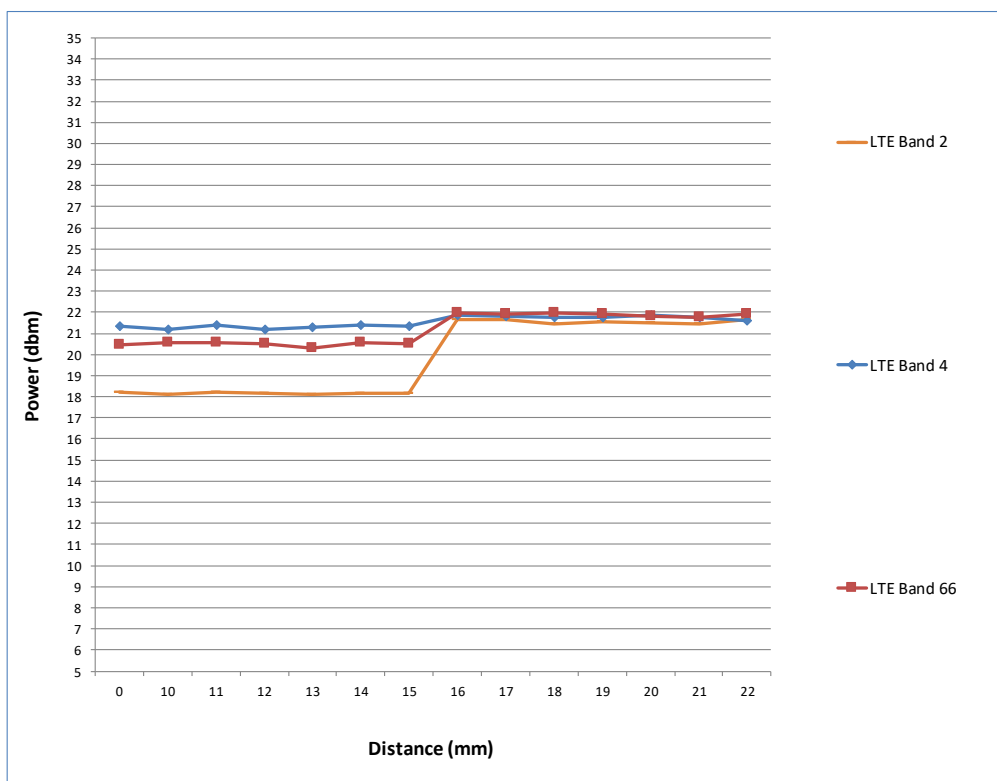


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Moving device away from the phantom



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5.5 Test limit

§ 2.1093(d)(1)

Applications for equipment authorization of portable RF sources subject to routine environmental evaluation must contain a statement confirming compliance with the limits specified in § 1.1310 as part of their application. Technical information showing the basis for this statement must be submitted to the Commission upon request. The SAR limits specified in § 1.1310(a) through (c) of this chapter shall be used for evaluation of portable devices transmitting in the frequency range from 100 kHz to 6 GHz. Portable devices that transmit at frequencies above 6 GHz shall be evaluated in terms of the MPE limits specified in Table 1 to § 1.1310(e)(1). A minimum separation distance applicable to the operating configurations and exposure conditions of the device shall be used for the evaluation. In general, maximum time-averaged power levels must be used for evaluation. All unlicensed personal communications service (PCS) devices and unlicensed NII devices shall be subject to the limits for general population/uncontrolled exposure.

Radiofrequency radiation exposure limits.

§ 1.1310(a)

Specific absorption rate (SAR) shall be used to evaluate the environmental impact of human exposure to radiofrequency (RF) radiation as specified in § 1.1307(b) within the frequency range of 100 kHz to 6 GHz (inclusive).

§ 1.1310(b)

The SAR limits for occupational/controlled exposure are 0.4 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 8 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit for occupational/controlled exposure is 20 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 6 minutes to determine compliance with occupational/controlled SAR limits.

§ 1.1310(c)

The SAR limits for general population/uncontrolled exposure are 0.08 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 1.6 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit is 4 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 30 minutes to determine compliance with general population/uncontrolled SAR limits.

Note to paragraphs (a) through (c):

SAR is a measure of the rate of energy absorption due to exposure to RF electromagnetic energy. These SAR limits to be used for evaluation are based generally on criteria published by the American National Standards Institute (ANSI) for localized SAR in Section 4.2 of "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," ANSI/IEEE Std C95.1-1992, copyright 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017. These criteria for SAR evaluation are

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similar to those recommended by the National Council on Radiation Protection and Measurements (NCRP) in "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86, [Section 17.4.5](#), copyright 1986 by NCRP, Bethesda, Maryland 20814. Limits for whole body SAR and peak spatial-average SAR are based on recommendations made in both of these documents. The MPE limits in Table 1 are based generally on criteria published by the NCRP in "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86, Sections 17.4.1, 17.4.1.1, 17.4.2 and 17.4.3, copyright 1986 by NCRP, Bethesda, Maryland 20814. In the frequency range from 100 MHz to 1500 MHz, these MPE exposure limits for field strength and power density are also generally based on criteria recommended by the ANSI in [Section 4.1](#) of "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," ANSI/IEEE Std C95.1-1992, copyright 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017.

Portable devices that transmit at frequencies above 6 GHz shall be evaluated in terms of the MPE limits specified in Table 1 to [§ 1.1310\(e\)\(1\)](#).

According to ANSI/IEEE C95.1-1992, the criteria listed in the following Table shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

Peak Spatially Averaged Power Density was evaluated over a circular area of 4cm² per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes

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Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*(100)	≤6
3.0-30	1842/f	4.89/f	*(900/f ²)	<6
30-300	61.4	0.163	1.0	<6
300-1,500			f/300	<6
1,500-100,000			5	<6
(ii) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*(180/f ²)	<30
30-300	27.5	0.073	0.2	<30
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

Table 1 to § 1.1310(e)(1) - Limits for Maximum Permissible Exposure (MPE)

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6 MAXIMUM OUTPUT POWER

6.1 FDD LTE

Full

LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1880	1900		
Channel				18700	18900	19100		
20	QPSK	1	0	20.34	21.00	21.64	22.00	0
		1	50	20.06	20.87	21.59	22.00	0
		1	99	20.25	20.90	21.44	22.00	0
		50	0	19.26	19.83	20.49	21.00	1
		50	25	19.28	19.85	20.61	21.00	1
		50	50	19.23	19.75	20.52	21.00	1
		100	0	19.19	19.84	20.51	21.00	1
20	16-QAM	1	0	19.19	19.86	20.54	21.00	1
		1	50	19.10	19.88	20.52	21.00	1
		1	99	19.30	19.84	20.53	21.00	1
		50	0	18.26	18.76	19.55	20.00	2
		50	25	18.06	18.80	19.38	20.00	2
		50	50	18.22	18.87	19.40	20.00	2
		100	0	18.19	18.78	19.44	20.00	2
20	64-QAM	1	0	18.13	18.90	19.48	20.00	2
		1	50	18.20	18.93	19.57	20.00	2
		1	99	18.20	18.84	19.56	20.00	2
		50	0	17.17	17.88	18.39	19.00	3
		50	25	17.20	17.88	18.50	19.00	3
		50	50	17.13	17.86	18.42	19.00	3
		100	0	17.14	17.91	18.47	19.00	3

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1880	1902.5		
Channel				18675	18900	19125		
15	QPSK	1	0	20.29	20.97	21.63	22.00	0
		1	36	20.03	20.78	21.56	22.00	0
		1	74	20.25	20.81	21.42	22.00	0
		36	0	19.17	19.74	20.44	21.00	1
		36	18	19.25	19.85	20.56	21.00	1
		36	37	19.20	19.67	20.48	21.00	1
		75	0	19.13	19.76	20.50	21.00	1
15	16-QAM	1	0	19.19	19.86	20.49	21.00	1
		1	36	19.05	19.78	20.50	21.00	1
		1	74	19.22	19.75	20.49	21.00	1
		36	0	18.21	18.73	19.47	20.00	2
		36	18	18.05	18.71	19.28	20.00	2
		36	37	18.15	18.86	19.32	20.00	2
		75	0	18.12	18.78	19.39	20.00	2
15	64-QAM	1	0	18.13	18.88	19.41	20.00	2
		1	36	18.15	18.83	19.50	20.00	2
		1	74	18.19	18.76	19.55	20.00	2
		36	0	17.16	17.87	18.38	19.00	3
		36	18	17.18	17.83	18.44	19.00	3
		36	37	17.08	17.84	18.40	19.00	3
		75	0	17.14	17.89	18.42	19.00	3

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1880	1905		
Channel				18650	18900	19150		
10	QPSK	1	0	20.32	21.00	21.55	22.00	0
		1	25	20.06	20.81	21.51	22.00	0
		1	49	20.18	20.80	21.39	22.00	0
		25	0	19.16	19.81	20.42	21.00	1
		25	12	19.18	19.79	20.56	21.00	1
		25	25	19.13	19.70	20.48	21.00	1
		50	0	19.14	19.76	20.44	21.00	1
10	16-QAM	1	0	19.15	19.78	20.50	21.00	1
		1	25	19.02	19.81	20.50	21.00	1
		1	49	19.24	19.84	20.48	21.00	1
		25	0	18.17	18.74	19.52	20.00	2
		25	12	18.02	18.80	19.33	20.00	2
		25	25	18.22	18.85	19.38	20.00	2
		50	0	18.16	18.77	19.40	20.00	2
10	64-QAM	1	0	18.11	18.87	19.43	20.00	2
		1	25	18.14	18.91	19.48	20.00	2
		1	49	18.14	18.84	19.52	20.00	2
		25	0	17.15	17.78	18.37	19.00	3
		25	12	17.15	17.80	18.49	19.00	3
		25	25	17.12	17.86	18.40	19.00	3
		50	0	17.07	17.81	18.37	19.00	3

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1880	1907.5		
Channel				18625	18900	19175		
5	QPSK	1	0	20.29	20.92	21.55	22.00	0
		1	12	20.05	20.86	21.52	22.00	0
		1	24	20.24	20.83	21.41	22.00	0
		12	0	19.20	19.76	20.43	21.00	1
		12	6	19.23	19.85	20.59	21.00	1
		12	13	19.13	19.66	20.46	21.00	1
		25	0	19.19	19.82	20.46	21.00	1
5	16-QAM	1	0	19.19	19.76	20.49	21.00	1
		1	12	19.03	19.87	20.46	21.00	1
		1	24	19.24	19.84	20.44	21.00	1
		12	0	18.25	18.74	19.55	20.00	2
		12	6	18.04	18.78	19.31	20.00	2
		12	13	18.13	18.86	19.31	20.00	2
		25	0	18.13	18.75	19.39	20.00	2
5	64-QAM	1	0	18.11	18.88	19.41	20.00	2
		1	12	18.12	18.85	19.57	20.00	2
		1	24	18.15	18.75	19.46	20.00	2
		12	0	17.09	17.79	18.35	19.00	3
		12	6	17.14	17.83	18.42	19.00	3
		12	13	17.10	17.79	18.32	19.00	3
		25	0	17.14	17.87	18.38	19.00	3

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1851.5	1880	1908.5		
Channel				18615	18900	19185		
3	QPSK	1	0	20.27	20.91	21.63	22.00	0
		1	7	20.25	20.77	21.50	22.00	0
		1	14	20.23	20.88	21.44	22.00	0
		8	0	19.21	19.80	20.39	21.00	1
		8	4	19.25	19.76	20.58	21.00	1
		8	7	19.17	19.75	20.52	21.00	1
		15	0	19.13	19.82	20.49	21.00	1
3	16-QAM	1	0	19.18	19.83	20.46	21.00	1
		1	7	19.01	19.81	20.47	21.00	1
		1	14	19.20	19.81	20.51	21.00	1
		8	0	18.20	18.76	19.54	20.00	2
		8	4	18.15	18.78	19.37	20.00	2
		8	7	18.12	18.80	19.34	20.00	2
		15	0	18.12	18.77	19.39	20.00	2
3	64-QAM	1	0	18.04	18.85	19.48	20.00	2
		1	7	18.12	18.86	19.56	20.00	2
		1	14	18.13	18.83	19.48	20.00	2
		8	0	17.09	17.83	18.36	19.00	3
		8	4	17.18	17.87	18.43	19.00	3
		8	7	17.05	17.82	18.41	19.00	3
		15	0	17.12	17.86	18.40	19.00	3

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1850.7	1880	1909.3		
Channel				18607	18900	19193		
1.4	QPSK	1	0	20.30	20.92	21.56	22.00	0
		1	2	20.02	20.78	21.54	22.00	0
		1	5	20.17	20.81	21.39	22.00	0
		3	0	20.24	20.78	21.41	22.00	0
		3	2	20.19	20.80	21.55	22.00	0
		3	3	20.18	20.67	21.52	22.00	0
		6	0	19.16	19.84	20.47	21.00	1
1.4	16-QAM	1	0	19.10	19.83	20.45	21.00	1
		1	2	19.08	19.78	20.50	21.00	1
		1	5	19.24	19.79	20.43	21.00	1
		3	0	19.20	19.74	19.47	21.00	1
		3	2	19.04	19.71	19.37	21.00	1
		3	3	19.14	19.79	19.30	21.00	1
		6	0	18.09	18.70	19.38	20.00	2
1.4	64-QAM	1	0	18.08	18.81	19.48	20.00	2
		1	2	18.13	18.91	19.55	20.00	2
		1	5	18.18	18.78	19.47	20.00	2
		3	0	18.08	18.88	18.34	20.00	2
		3	2	18.20	18.83	18.44	20.00	2
		3	3	18.05	18.85	18.42	20.00	2
		6	0	17.04	17.91	18.44	19.00	3

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1732.5	1745		
Channel				20050	20175	20300		
20	QPSK	1	0	21.75	21.85	21.60	22.00	0
		1	50	21.59	21.75	21.41	22.00	0
		1	99	21.55	21.81	21.49	22.00	0
		50	0	20.63	20.71	20.50	21.00	1
		50	25	20.58	20.62	20.40	21.00	1
		50	50	20.53	20.75	20.52	21.00	1
		100	0	20.68	20.68	20.45	21.00	1
20	16-QAM	1	0	20.64	20.71	20.47	21.00	1
		1	50	20.51	20.70	20.51	21.00	1
		1	99	20.65	20.62	20.41	21.00	1
		50	0	19.64	19.74	19.51	20.00	2
		50	25	19.61	19.65	19.40	20.00	2
		50	50	19.58	19.73	19.35	20.00	2
		100	0	19.58	19.71	19.39	20.00	2
20	64-QAM	1	0	19.57	19.78	19.42	20.00	2
		1	50	19.56	19.60	19.45	20.00	2
		1	99	19.49	19.71	19.48	20.00	2
		50	0	18.60	18.68	18.51	19.00	3
		50	25	18.68	18.69	18.44	19.00	3
		50	50	18.64	18.70	18.49	19.00	3
		100	0	18.49	18.64	18.44	19.00	3

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Frequency (MHz)				1717.5	1732.5	1747.5		
Channel				20025	20175	20325		
15	QPSK	1	0	21.69	21.79	21.58	22.00	0
		1	36	21.52	21.65	21.39	22.00	0
		1	74	21.46	21.77	21.47	22.00	0
		36	0	20.55	20.64	20.50	21.00	1
		36	18	20.48	20.56	20.37	21.00	1
		36	37	20.52	20.72	20.48	21.00	1
		75	0	20.58	20.68	20.39	21.00	1
15	16-QAM	1	0	20.63	20.68	20.45	21.00	1
		1	36	20.46	20.66	20.44	21.00	1
		1	74	20.64	20.54	20.39	21.00	1
		36	0	19.59	19.73	19.48	20.00	2
		36	18	19.59	19.59	19.37	20.00	2
		36	37	19.50	19.72	19.28	20.00	2
		75	0	19.57	19.69	19.30	20.00	2
15	64-QAM	1	0	19.52	19.69	19.42	20.00	2
		1	36	19.46	19.56	19.39	20.00	2
		1	74	19.43	19.66	19.41	20.00	2
		36	0	18.54	18.60	18.48	19.00	3
		36	18	18.63	18.69	18.36	19.00	3
		36	37	18.58	18.65	18.49	19.00	3
		75	0	18.41	18.62	18.44	19.00	3

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LTE Band 4								
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Frequency (MHz)				1715	1732.5	1750		
Channel				20000	20175	20350		
10	QPSK	1	0	21.70	21.84	21.54	22.00	0
		1	25	21.57	21.74	21.41	22.00	0
		1	49	21.46	21.74	21.48	22.00	0
		25	0	20.58	20.67	20.46	21.00	1
		25	12	20.55	20.57	20.35	21.00	1
		25	25	20.52	20.73	20.51	21.00	1
		50	0	20.58	20.68	20.43	21.00	1
10	16-QAM	1	0	20.62	20.63	20.42	21.00	1
		1	25	20.41	20.65	20.44	21.00	1
		1	49	20.58	20.53	20.36	21.00	1
		25	0	19.59	19.69	19.50	20.00	2
		25	12	19.58	19.56	19.32	20.00	2
		25	25	19.48	19.72	19.28	20.00	2
		50	0	19.54	19.65	19.33	20.00	2
10	64-QAM	1	0	19.51	19.68	19.36	20.00	2
		1	25	19.56	19.54	19.43	20.00	2
		1	49	19.46	19.62	19.41	20.00	2
		25	0	18.51	18.68	18.47	19.00	3
		25	12	18.63	18.69	18.40	19.00	3
		25	25	18.59	18.66	18.49	19.00	3
		50	0	18.43	18.58	18.42	19.00	3

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LTE Band 4								
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Frequency (MHz)				1712.5	1732.5	1752.5		
Channel				19975	20175	20375		
5	QPSK	1	0	21.66	21.77	21.51	22.00	0
		1	12	21.54	21.68	21.36	22.00	0
		1	24	21.53	21.80	21.49	22.00	0
		12	0	20.56	20.65	20.44	21.00	1
		12	6	20.50	20.61	20.37	21.00	1
		12	13	20.52	20.72	20.48	21.00	1
		25	0	20.65	20.60	20.44	21.00	1
5	16-QAM	1	0	20.56	20.63	20.37	21.00	1
		1	12	20.44	20.62	20.48	21.00	1
		1	24	20.57	20.57	20.36	21.00	1
		12	0	19.63	19.66	19.46	20.00	2
		12	6	19.52	19.63	19.37	20.00	2
		12	13	19.50	19.65	19.27	20.00	2
		25	0	19.56	19.62	19.36	20.00	2
5	64-QAM	1	0	19.48	19.76	19.35	20.00	2
		1	12	19.53	19.50	19.39	20.00	2
		1	24	19.45	19.61	19.44	20.00	2
		12	0	18.60	18.61	18.50	19.00	3
		12	6	18.59	18.67	18.35	19.00	3
		12	13	18.55	18.64	18.44	19.00	3
		25	0	18.43	18.59	18.44	19.00	3

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
Channel				19965	20175	20385		
3	QPSK	1	0	21.73	21.83	21.56	22.00	0
		1	7	21.53	21.72	21.37	22.00	0
		1	14	21.52	21.77	21.45	22.00	0
		8	0	20.60	20.71	20.41	21.00	1
		8	4	20.53	20.57	20.32	21.00	1
		8	7	20.50	20.71	20.47	21.00	1
		15	0	20.66	20.65	20.43	21.00	1
3	16-QAM	1	0	20.56	20.62	20.44	21.00	1
		1	7	20.43	20.66	20.46	21.00	1
		1	14	20.62	20.60	20.37	21.00	1
		8	0	19.59	19.72	19.47	20.00	2
		8	4	19.60	19.57	19.39	20.00	2
		8	7	19.58	19.68	19.27	20.00	2
		15	0	19.50	19.70	19.33	20.00	2
3	64-QAM	1	0	19.56	19.70	19.33	20.00	2
		1	7	19.56	19.52	19.36	20.00	2
		1	14	19.39	19.69	19.43	20.00	2
		8	0	18.58	18.60	18.43	19.00	3
		8	4	18.61	18.63	18.44	19.00	3
		8	7	18.63	18.64	18.42	19.00	3
		15	0	18.42	18.61	18.41	19.00	3

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
Channel				19957	20175	20393		
1.4	QPSK	1	0	21.68	21.84	21.55	22.00	0
		1	2	21.49	21.66	21.37	22.00	0
		1	5	21.54	21.80	21.42	22.00	0
		3	0	21.57	21.66	21.46	22.00	0
		3	2	21.51	21.56	21.40	22.00	0
		3	3	21.48	21.65	21.45	22.00	0
		6	0	20.65	20.63	20.39	21.00	1
1.4	16-QAM	1	0	20.59	20.71	20.46	21.00	1
		1	2	20.45	20.65	20.47	21.00	1
		1	5	20.63	20.56	20.31	21.00	1
		3	0	20.61	20.67	20.43	21.00	1
		3	2	20.51	20.55	20.37	21.00	1
		3	3	20.49	20.68	20.32	21.00	1
		6	0	19.53	19.69	19.36	20.00	2
1.4	64-QAM	1	0	19.48	19.76	19.42	20.00	2
		1	2	19.51	19.56	19.36	20.00	2
		1	5	19.39	19.67	19.44	20.00	2
		3	0	19.56	19.61	19.42	20.00	2
		3	2	19.63	19.65	19.35	20.00	2
		3	3	19.59	19.70	19.47	20.00	2
		6	0	18.45	18.54	18.37	19.00	3

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BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				829	836.5	844		
Channel				20450	20525	20600		
10	QPSK	1	0	21.67	21.80	21.68	22.00	0
		1	25	21.51	21.60	21.46	22.00	0
		1	49	21.51	21.73	21.55	22.00	0
		25	0	20.57	20.70	20.49	21.00	1
		25	12	20.48	20.69	20.49	21.00	1
		25	25	20.53	20.68	20.56	21.00	1
		50	0	20.45	20.64	20.46	21.00	1
10	16-QAM	1	0	20.52	20.64	20.52	21.00	1
		1	25	20.56	20.70	20.55	21.00	1
		1	49	20.49	20.62	20.54	21.00	1
		25	0	19.55	19.65	19.58	20.00	2
		25	12	19.48	19.70	19.57	20.00	2
		25	25	19.55	19.68	19.50	20.00	2
		50	0	19.52	19.68	19.52	20.00	2
10	64-QAM	1	0	19.54	19.62	19.53	20.00	2
		1	25	19.51	19.63	19.55	20.00	2
		1	49	19.49	19.60	19.51	20.00	2
		25	0	18.55	18.66	18.52	19.00	3
		25	12	18.56	18.61	18.49	19.00	3
		25	25	18.56	18.64	18.49	19.00	3
		50	0	18.55	18.71	18.46	19.00	3

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Frequency (MHz)				826.5	836.5	846.5		
Channel				20425	20525	20625		
5	QPSK	1	0	21.56	21.63	21.48	22.00	0
		1	12	21.57	21.62	21.54	22.00	0
		1	24	21.51	21.61	21.52	22.00	0
		12	0	20.49	20.68	20.55	21.00	1
		12	6	20.49	20.71	20.55	21.00	1
		12	13	20.46	20.66	20.62	21.00	1
		25	0	20.52	20.65	20.53	21.00	1
5	16-QAM	1	0	20.46	20.66	20.59	21.00	1
		1	12	20.48	20.62	20.56	21.00	1
		1	24	20.56	20.69	20.46	21.00	1
		12	0	19.50	19.64	19.62	20.00	2
		12	6	19.57	19.70	19.60	20.00	2
		12	13	19.58	19.67	19.57	20.00	2
		25	0	19.53	19.65	19.58	20.00	2
5	64-QAM	1	0	19.59	19.66	19.55	20.00	2
		1	12	19.57	19.69	19.51	20.00	2
		1	24	19.49	19.71	19.48	20.00	2
		12	0	18.55	18.62	18.56	19.00	3
		12	6	18.47	18.69	18.53	19.00	3
		12	13	18.48	18.74	18.57	19.00	3
		25	0	18.55	18.70	18.51	19.00	3

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BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				825.5	836.5	847.5		
Channel				20415	20525	20635		
3	QPSK	1	0	21.44	21.62	21.53	22.00	0
		1	7	21.57	21.67	21.50	22.00	0
		1	14	21.47	21.60	21.46	22.00	0
		8	0	20.54	20.66	20.58	21.00	1
		8	4	20.53	20.66	20.51	21.00	1
		8	7	20.47	20.71	20.55	21.00	1
		15	0	20.51	20.72	20.51	21.00	1
3	16-QAM	1	0	20.49	20.66	20.59	21.00	1
		1	7	20.53	20.67	20.61	21.00	1
		1	14	20.52	20.63	20.49	21.00	1
		8	0	19.60	19.66	19.52	20.00	2
		8	4	19.53	19.57	19.49	20.00	2
		8	7	19.56	19.64	19.58	20.00	2
		15	0	19.54	19.64	19.56	20.00	2
3	64-QAM	1	0	19.54	19.72	19.56	20.00	2
		1	7	19.57	19.68	19.53	20.00	2
		1	14	19.51	19.69	19.55	20.00	2
		8	0	18.50	18.60	18.50	19.00	3
		8	4	18.52	18.64	18.56	19.00	3
		8	7	18.55	18.70	18.48	19.00	3
		15	0	18.58	18.67	18.59	19.00	3

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Frequency (MHz)				824.7	836.5	848.3		
Channel				20407	20525	20643		
1.4	QPSK	1	0	21.58	21.73	21.55	22.00	0
		1	2	21.46	21.68	21.55	22.00	0
		1	5	21.50	21.65	21.50	22.00	0
		3	0	21.55	21.60	21.55	22.00	0
		3	2	21.54	21.60	21.50	22.00	0
		3	3	21.58	21.72	21.55	22.00	0
		6	0	20.55	20.59	20.49	21.00	1
1.4	16-QAM	1	0	20.52	20.66	20.52	21.00	1
		1	2	20.49	20.68	20.53	21.00	1
		1	5	20.46	20.73	20.55	21.00	1
		3	0	20.53	20.68	20.54	21.00	1
		3	2	20.54	20.73	20.61	21.00	1
		3	3	20.55	20.75	20.52	21.00	1
		6	0	19.55	19.74	19.53	20.00	2
1.4	64-QAM	1	0	19.52	19.64	19.55	20.00	2
		1	2	19.53	19.58	19.52	20.00	2
		1	5	19.46	19.71	19.58	20.00	2
		3	0	19.48	19.64	19.59	20.00	2
		3	2	19.58	19.64	19.47	20.00	2
		3	3	19.56	19.61	19.52	20.00	2
		6	0	18.48	18.65	18.58	19.00	3

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BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				704	707.5	711		
Channel				23060	23095	23130		
10	QPSK	1	0	21.14	21.15	21.13	22.00	0
		1	25	20.92	21.05	20.95	22.00	0
		1	49	21.04	20.95	20.95	22.00	0
		25	0	19.93	20.02	20.00	21.00	1
		25	12	19.97	20.08	19.99	21.00	1
		25	25	20.00	20.08	20.01	21.00	1
		50	0	19.96	20.09	19.92	21.00	1
10	16-QAM	1	0	20.01	20.01	20.04	21.00	1
		1	25	19.99	19.97	20.04	21.00	1
		1	49	19.93	20.04	20.08	21.00	1
		25	0	19.06	18.99	18.95	20.00	2
		25	12	18.97	19.07	18.96	20.00	2
		25	25	19.02	19.06	19.01	20.00	2
		50	0	19.05	18.94	19.06	20.00	2
10	64-QAM	1	0	19.01	19.05	18.98	20.00	2
		1	25	18.99	19.02	18.97	20.00	2
		1	49	18.96	18.99	18.98	20.00	2
		25	0	18.05	18.02	18.00	19.00	3
		25	12	18.02	17.98	18.01	19.00	3
		25	25	18.04	18.01	18.00	19.00	3
		50	0	17.97	18.04	18.05	19.00	3

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BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				701.5	707.5	713.5		
Channel				23035	23095	23155		
5	QPSK	1	0	20.99	21.08	20.98	22.00	0
		1	12	20.94	21.10	21.05	22.00	0
		1	24	20.99	20.96	20.97	22.00	0
		12	0	20.02	20.00	20.05	21.00	1
		12	6	19.99	20.05	20.01	21.00	1
		12	13	19.97	19.99	20.07	21.00	1
		25	0	19.96	20.01	19.96	21.00	1
5	16-QAM	1	0	20.04	19.98	20.03	21.00	1
		1	12	19.97	19.93	20.02	21.00	1
		1	24	19.98	19.94	20.02	21.00	1
		12	0	19.07	18.96	19.00	20.00	2
		12	6	19.03	18.97	18.97	20.00	2
		12	13	19.02	19.00	19.03	20.00	2
		25	0	18.96	19.09	19.01	20.00	2
5	64-QAM	1	0	18.93	18.96	18.98	20.00	2
		1	12	19.07	18.97	19.00	20.00	2
		1	24	18.98	19.03	19.03	20.00	2
		12	0	18.08	17.97	18.03	19.00	3
		12	6	18.03	17.99	18.02	19.00	3
		12	13	17.97	18.03	18.04	19.00	3
		25	0	17.96	17.95	17.98	19.00	3

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BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				700.5	707.5	714.5		
Channel				23025	23095	23165		
3	QPSK	1	0	21.04	21.02	20.94	22.00	0
		1	7	20.97	20.98	21.02	22.00	0
		1	14	20.95	21.03	21.02	22.00	0
		8	0	19.99	20.00	19.99	21.00	1
		8	4	20.02	20.00	20.06	21.00	1
		8	7	19.92	20.09	19.98	21.00	1
		15	0	19.98	20.04	20.00	21.00	1
3	16-QAM	1	0	19.99	20.00	19.96	21.00	1
		1	7	19.97	20.05	19.99	21.00	1
		1	14	20.03	19.99	19.96	21.00	1
		8	0	19.01	18.98	19.02	20.00	2
		8	4	18.99	19.10	18.99	20.00	2
		8	7	19.07	19.05	18.98	20.00	2
		15	0	19.00	19.00	18.98	20.00	2
3	64-QAM	1	0	18.98	19.01	18.97	20.00	2
		1	7	18.95	19.02	18.99	20.00	2
		1	14	18.99	19.02	18.98	20.00	2
		8	0	18.00	18.01	17.98	19.00	3
		8	4	17.99	17.93	18.02	19.00	3
		8	7	17.98	18.04	17.95	19.00	3
		15	0	18.00	18.02	18.03	19.00	3

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LTE Band 12								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				699.7	707.5	715.3		
Channel				23017	23095	23173		
1.4	QPSK	1	0	21.06	20.93	20.99	22.00	0
		1	2	20.91	21.06	21.03	22.00	0
		1	5	21.03	21.02	20.98	22.00	0
		3	0	20.98	21.00	21.00	22.00	0
		3	2	20.98	21.01	21.00	22.00	0
		3	3	20.99	21.02	21.04	22.00	0
		6	0	19.98	20.05	20.00	21.00	1
1.4	16-QAM	1	0	20.00	20.07	20.00	21.00	1
		1	2	19.97	19.98	19.93	21.00	1
		1	5	20.05	20.00	19.93	21.00	1
		3	0	20.03	19.99	20.01	21.00	1
		3	2	20.05	20.04	19.97	21.00	1
		3	3	19.93	19.96	19.97	21.00	1
		6	0	19.09	18.92	18.95	20.00	2
1.4	64-QAM	1	0	19.00	18.98	19.01	20.00	2
		1	2	19.05	19.00	19.05	20.00	2
		1	5	19.02	19.08	19.04	20.00	2
		3	0	19.02	19.00	18.94	20.00	2
		3	2	19.05	19.00	19.06	20.00	2
		3	3	19.03	18.99	18.93	20.00	2
		6	0	17.98	18.04	17.95	19.00	3

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LTE Band 13								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)					782			
Channel					23230			
10	QPSK	1	0		20.98		22.00	0
		1	25		20.80		22.00	0
		1	49		20.88		22.00	0
		25	0		19.78		21.00	1
		25	12		19.90		21.00	1
		25	25		19.82		21.00	1
		50	0		19.83		21.00	1
10	16-QAM	1	0		19.80		21.00	1
		1	25		19.84		21.00	1
		1	49		19.80		21.00	1
		25	0		18.78		20.00	2
		25	12		18.81		20.00	2
		25	25		18.84		20.00	2
		50	0		18.83		20.00	2
10	64-QAM	1	0		18.86		20.00	2
		1	25		18.84		20.00	2
		1	49		18.92		20.00	2
		25	0		17.79		19.00	3
		25	12		17.87		19.00	3
		25	25		17.84		19.00	3
		50	0		17.85		19.00	3

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LTE Band 13								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				779.5	782	784.5		
Channel				23205	23230	23255		
5	QPSK	1	0	20.69	20.88	20.88	22.00	0
		1	12	20.69	20.88	20.75	22.00	0
		1	24	20.70	20.86	20.81	22.00	0
		12	0	19.80	19.79	19.80	21.00	1
		12	6	19.67	19.80	19.82	21.00	1
		12	13	19.70	19.90	19.77	21.00	1
		25	0	19.78	19.84	19.82	21.00	1
5	16-QAM	1	0	19.76	19.89	19.74	21.00	1
		1	12	19.73	19.83	19.77	21.00	1
		1	24	19.71	19.83	19.75	21.00	1
		12	0	18.76	18.76	18.84	20.00	2
		12	6	18.75	18.84	18.80	20.00	2
		12	13	18.70	18.82	18.72	20.00	2
		25	0	18.75	18.81	18.79	20.00	2
5	64-QAM	1	0	18.73	18.83	18.87	20.00	2
		1	12	18.75	18.86	18.85	20.00	2
		1	24	18.74	18.81	18.84	20.00	2
		12	0	17.76	17.85	17.84	19.00	3
		12	6	17.74	17.85	17.85	19.00	3
		12	13	17.77	17.90	17.74	19.00	3
		25	0	17.71	17.82	17.87	19.00	3

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LTE Band 17								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				709	710	711		
Channel				23780	23790	23800		
10	QPSK	1	0	21.41	21.35	21.42	22.00	0
		1	25	21.21	21.17	21.26	22.00	0
		1	49	21.23	21.18	21.29	22.00	0
		25	0	20.33	20.17	20.32	21.00	1
		25	12	20.28	20.22	20.26	21.00	1
		25	25	20.28	20.17	20.30	21.00	1
		50	0	20.32	20.28	20.27	21.00	1
10	16-QAM	1	0	20.23	20.22	20.23	21.00	1
		1	25	20.29	20.24	20.31	21.00	1
		1	49	20.27	20.17	20.30	21.00	1
		25	0	19.22	19.19	19.27	20.00	2
		25	12	19.26	19.21	19.27	20.00	2
		25	25	19.22	19.20	19.33	20.00	2
		50	0	19.21	19.17	19.24	20.00	2
10	64-QAM	1	0	19.21	19.25	19.28	20.00	2
		1	25	19.23	19.28	19.27	20.00	2
		1	49	19.31	19.24	19.25	20.00	2
		25	0	18.26	18.17	18.27	19.00	3
		25	12	18.27	18.21	18.30	19.00	3
		25	25	18.30	18.20	18.27	19.00	3
		50	0	18.24	18.17	18.26	19.00	3

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LTE Band 17								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				706.5	710	713.5		
Channel				23755	23790	23825		
5	QPSK	1	0	21.26	21.15	21.32	22.00	0
		1	12	21.19	21.27	21.28	22.00	0
		1	24	21.27	21.19	21.30	22.00	0
		12	0	20.21	20.23	20.27	21.00	1
		12	6	20.28	20.12	20.34	21.00	1
		12	13	20.21	20.27	20.23	21.00	1
		25	0	20.32	20.17	20.36	21.00	1
5	16-QAM	1	0	20.33	20.28	20.28	21.00	1
		1	12	20.25	20.18	20.27	21.00	1
		1	24	20.18	20.21	20.26	21.00	1
		12	0	19.29	19.20	19.30	20.00	2
		12	6	19.25	19.23	19.26	20.00	2
		12	13	19.29	19.25	19.20	20.00	2
		25	0	19.27	19.16	19.32	20.00	2
5	64-QAM	1	0	19.30	19.22	19.36	20.00	2
		1	12	19.27	19.28	19.32	20.00	2
		1	24	19.31	19.16	19.31	20.00	2
		12	0	18.25	18.29	18.28	19.00	3
		12	6	18.28	18.22	18.34	19.00	3
		12	13	18.33	18.13	18.25	19.00	3
		25	0	18.24	18.20	18.30	19.00	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1745	1770		
Channel				132072	132322	132572		
20	QPSK	1	0	21.99	21.75	21.11	22.00	0
		1	50	21.91	21.74	21.09	22.00	0
		1	99	21.97	21.73	21.08	22.00	0
		50	0	20.94	20.69	20.06	21.00	1
		50	25	20.88	20.73	20.01	21.00	1
		50	50	20.93	20.68	20.01	21.00	1
		100	0	20.97	20.71	20.05	21.00	1
20	16-QAM	1	0	20.94	20.69	20.04	21.00	1
		1	50	20.95	20.69	20.00	21.00	1
		1	99	20.93	20.64	20.01	21.00	1
		50	0	19.83	19.59	19.00	20.00	2
		50	25	19.92	19.55	19.01	20.00	2
		50	50	19.87	19.57	18.96	20.00	2
		100	0	19.88	19.62	18.92	20.00	2
20	64-QAM	1	0	19.92	19.55	18.96	20.00	2
		1	50	19.85	19.54	18.96	20.00	2
		1	99	19.91	19.61	18.92	20.00	2
		50	0	18.90	18.57	17.90	19.00	3
		50	25	18.82	18.61	17.87	19.00	3
		50	50	18.90	18.61	17.89	19.00	3
		100	0	18.81	18.58	17.83	19.00	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1717.5	1745	1772.5		
Channel				132047	132322	132597		
15	QPSK	1	0	21.90	21.65	21.02	22.00	0
		1	36	21.87	21.64	21.03	22.00	0
		1	74	21.89	21.66	21.08	22.00	0
		36	0	20.94	20.69	20.04	21.00	1
		36	18	20.84	20.72	19.99	21.00	1
		36	37	20.86	20.65	19.91	21.00	1
		75	0	20.93	20.65	20.00	21.00	1
15	16-QAM	1	0	20.91	20.65	20.01	21.00	1
		1	36	20.92	20.68	19.96	21.00	1
		1	74	20.85	20.54	19.92	21.00	1
		36	0	19.81	19.49	18.99	20.00	2
		36	18	19.92	19.49	18.97	20.00	2
		36	37	19.83	19.57	18.95	20.00	2
		75	0	19.84	19.60	18.92	20.00	2
15	64-QAM	1	0	19.92	19.50	18.96	20.00	2
		1	36	19.81	19.45	18.91	20.00	2
		1	74	19.88	19.54	18.83	20.00	2
		36	0	18.84	18.47	17.87	19.00	3
		36	18	18.73	18.51	17.85	19.00	3
		36	37	18.86	18.56	17.89	19.00	3
		75	0	18.80	18.57	17.81	19.00	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1715	1745	1775		
Channel				132022	132322	132622		
10	QPSK	1	0	21.95	21.65	21.01	22.00	0
		1	25	21.91	21.67	20.99	22.00	0
		1	49	21.90	21.70	21.07	22.00	0
		25	0	20.90	20.59	19.98	21.00	1
		25	12	20.81	20.72	19.93	21.00	1
		25	25	20.92	20.61	20.01	21.00	1
		50	0	20.94	20.70	20.04	21.00	1
10	16-QAM	1	0	20.90	20.60	20.03	21.00	1
		1	25	20.86	20.63	19.99	21.00	1
		1	49	20.88	20.57	19.95	21.00	1
		25	0	19.77	19.58	18.97	20.00	2
		25	12	19.87	19.55	18.97	20.00	2
		25	25	19.85	19.55	18.87	20.00	2
		50	0	19.87	19.53	18.85	20.00	2
10	64-QAM	1	0	19.91	19.49	18.92	20.00	2
		1	25	19.82	19.49	18.95	20.00	2
		1	49	19.82	19.59	18.83	20.00	2
		25	0	18.89	18.54	17.87	19.00	3
		25	12	18.74	18.57	17.79	19.00	3
		25	25	18.85	18.61	17.84	19.00	3
		50	0	18.78	18.52	17.81	19.00	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1712.5	1745	1777.5		
Channel				131997	132322	132647		
5	QPSK	1	0	21.93	21.73	21.05	22.00	0
		1	12	21.85	21.65	21.01	22.00	0
		1	24	21.95	21.64	20.99	22.00	0
		12	0	20.84	20.64	20.05	21.00	1
		12	6	20.86	20.64	19.97	21.00	1
		12	13	20.90	20.59	19.92	21.00	1
		25	0	20.88	20.69	20.04	21.00	1
5	16-QAM	1	0	20.88	20.62	20.01	21.00	1
		1	12	20.93	20.65	19.93	21.00	1
		1	24	20.93	20.56	19.99	21.00	1
		12	0	19.73	19.56	18.96	20.00	2
		12	6	19.92	19.45	18.91	20.00	2
		12	13	19.77	19.47	18.93	20.00	2
		25	0	19.78	19.56	18.88	20.00	2
5	64-QAM	1	0	19.83	19.55	18.93	20.00	2
		1	12	19.83	19.45	18.95	20.00	2
		1	24	19.81	19.57	18.91	20.00	2
		12	0	18.87	18.49	17.84	19.00	3
		12	6	18.82	18.60	17.82	19.00	3
		12	13	18.89	18.51	17.83	19.00	3
		25	0	18.79	18.56	17.77	19.00	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1711.5	1745	1778.5		
Channel				131987	132322	132657		
3	QPSK	1	0	21.98	21.65	21.10	22.00	0
		1	7	21.81	21.70	21.04	22.00	0
		1	14	21.93	21.66	20.99	22.00	0
		8	0	20.85	20.63	20.03	21.00	1
		8	4	20.84	20.67	19.94	21.00	1
		8	7	20.92	20.60	19.98	21.00	1
		15	0	20.89	20.62	19.97	21.00	1
3	16-QAM	1	0	20.91	20.60	19.97	21.00	1
		1	7	20.94	20.67	19.96	21.00	1
		1	14	20.85	20.61	19.98	21.00	1
		8	0	19.80	19.53	18.96	20.00	2
		8	4	19.91	19.49	18.95	20.00	2
		8	7	19.87	19.53	18.93	20.00	2
		15	0	19.85	19.53	18.85	20.00	2
3	64-QAM	1	0	19.83	19.45	18.90	20.00	2
		1	7	19.83	19.50	18.91	20.00	2
		1	14	19.83	19.51	18.89	20.00	2
		8	0	18.82	18.53	17.88	19.00	3
		8	4	18.79	18.55	17.82	19.00	3
		8	7	18.86	18.61	17.88	19.00	3
		15	0	18.77	18.54	17.80	19.00	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1710.7	1745	1779.3		
Channel				131979	132322	132665		
1.4	QPSK	1	0	21.96	21.67	21.06	22.00	0
		1	2	21.84	21.67	21.07	22.00	0
		1	5	21.89	21.64	20.99	22.00	0
		3	0	21.94	21.63	21.02	22.00	0
		3	2	21.88	21.70	20.91	22.00	0
		3	3	21.91	21.66	20.95	22.00	0
		6	0	20.91	20.68	20.02	21.00	1
1.4	16-QAM	1	0	20.94	20.65	19.99	21.00	1
		1	2	20.95	20.66	19.95	21.00	1
		1	5	20.85	20.54	19.94	21.00	1
		3	0	20.73	20.50	19.90	21.00	1
		3	2	20.83	20.54	20.01	21.00	1
		3	3	20.83	20.55	19.93	21.00	1
		6	0	19.88	19.60	18.85	20.00	2
1.4	64-QAM	1	0	19.85	19.49	18.86	20.00	2
		1	2	19.76	19.54	18.92	20.00	2
		1	5	19.90	19.53	18.89	20.00	2
		3	0	19.82	19.52	18.86	20.00	2
		3	2	19.78	19.51	18.80	20.00	2
		3	3	19.83	19.50	18.89	20.00	2
		6	0	18.72	18.53	17.73	19.00	3

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1860	1880	1900		
Channel				18700	18900	19100		
20	QPSK	1	0	18.22	18.15	18.17	18.50	0
		1	50	18.02	18.02	18.01	18.50	0
		1	99	18.08	18.01	17.95	18.50	0
		50	0	17.10	17.02	17.00	17.50	1
		50	25	17.17	17.00	17.12	17.50	1
		50	50	17.05	16.97	16.97	17.50	1
		100	0	17.07	17.01	17.10	17.50	1
20	16-QAM	1	0	17.06	17.00	17.01	17.50	1
		1	50	17.02	17.04	16.99	17.50	1
		1	99	17.08	17.05	16.97	17.50	1
		50	0	16.09	15.98	16.03	16.50	2
		50	25	16.08	16.04	15.96	16.50	2
		50	50	16.11	15.94	16.02	16.50	2
		100	0	16.11	16.01	16.08	16.50	2
20	64-QAM	1	0	16.11	16.02	16.00	16.50	2
		1	50	16.08	16.04	16.03	16.50	2
		1	99	16.08	15.96	16.03	16.50	2
		50	0	15.16	15.01	15.09	15.50	3
		50	25	15.12	15.00	15.03	15.50	3
		50	50	15.11	15.01	15.02	15.50	3
		100	0	15.13	14.99	15.01	15.50	3

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1857.5	1880	1902.5		
Channel				18675	18900	19125		
15	QPSK	1	0	18.06	17.97	17.98	18.50	0
		1	36	18.02	18.03	17.99	18.50	0
		1	74	18.11	18.01	18.00	18.50	0
		36	0	17.00	17.06	17.06	17.50	1
		36	18	17.09	17.00	17.00	17.50	1
		36	37	17.07	17.05	16.97	17.50	1
		75	0	17.13	17.07	17.03	17.50	1
15	16-QAM	1	0	17.09	17.05	17.01	17.50	1
		1	36	17.12	17.03	17.04	17.50	1
		1	74	17.04	17.04	17.04	17.50	1
		36	0	16.10	16.01	15.94	16.50	2
		36	18	16.02	16.00	16.07	16.50	2
		36	37	16.05	16.00	16.06	16.50	2
		75	0	16.16	15.99	16.07	16.50	2
15	64-QAM	1	0	16.12	15.94	16.09	16.50	2
		1	36	16.09	16.00	16.00	16.50	2
		1	74	16.05	16.02	16.09	16.50	2
		36	0	15.05	15.05	15.03	15.50	3
		36	18	15.05	15.04	15.02	15.50	3
		36	37	15.09	15.03	15.06	15.50	3
		75	0	15.12	15.07	15.00	15.50	3

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1855	1880	1905		
Channel				18650	18900	19150		
10	QPSK	1	0	18.09	18.02	18.03	18.50	0
		1	25	18.07	18.00	17.97	18.50	0
		1	49	18.09	18.01	18.01	18.50	0
		25	0	17.10	17.00	17.03	17.50	1
		25	12	17.08	17.01	16.97	17.50	1
		25	25	17.09	17.07	16.95	17.50	1
		50	0	17.00	16.97	16.98	17.50	1
10	16-QAM	1	0	17.11	17.02	17.01	17.50	1
		1	25	17.08	16.98	17.03	17.50	1
		1	49	17.05	17.01	17.02	17.50	1
		25	0	16.04	15.94	16.03	16.50	2
		25	12	16.12	16.03	16.07	16.50	2
		25	25	16.00	16.06	16.05	16.50	2
		50	0	16.12	16.04	16.08	16.50	2
10	64-QAM	1	0	16.07	16.07	15.99	16.50	2
		1	25	16.03	16.02	16.03	16.50	2
		1	49	16.10	15.97	15.98	16.50	2
		25	0	15.05	15.04	15.12	15.50	3
		25	12	15.07	15.02	15.00	15.50	3
		25	25	15.01	14.99	15.04	15.50	3
		50	0	15.06	15.06	15.08	15.50	3

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1852.5	1880	1907.5		
Channel				18625	18900	19175		
5	QPSK	1	0	18.14	17.99	18.07	18.50	0
		1	12	18.13	17.97	18.01	18.50	0
		1	24	18.10	17.95	17.97	18.50	0
		12	0	17.12	17.02	17.12	17.50	1
		12	6	16.99	17.02	17.03	17.50	1
		12	13	17.11	17.00	17.05	17.50	1
		25	0	17.06	16.93	17.02	17.50	1
5	16-QAM	1	0	17.13	16.98	17.06	17.50	1
		1	12	17.13	17.01	17.04	17.50	1
		1	24	17.07	17.05	17.01	17.50	1
		12	0	16.09	15.97	16.06	16.50	2
		12	6	16.09	16.02	16.01	16.50	2
		12	13	16.08	16.02	16.00	16.50	2
		25	0	16.04	16.02	16.04	16.50	2
5	64-QAM	1	0	16.09	15.98	16.09	16.50	2
		1	12	16.10	16.04	16.04	16.50	2
		1	24	16.11	15.98	16.00	16.50	2
		12	0	15.10	15.00	15.03	15.50	3
		12	6	15.14	15.03	15.03	15.50	3
		12	13	15.06	14.92	15.00	15.50	3
		25	0	15.08	15.03	15.01	15.50	3

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1851.5	1880	1908.5		
Channel				18615	18900	19185		
3	QPSK	1	0	18.08	18.06	18.04	18.50	0
		1	7	18.12	17.99	18.05	18.50	0
		1	14	18.15	17.96	18.04	18.50	0
		8	0	17.02	16.99	17.04	17.50	1
		8	4	17.10	17.01	16.97	17.50	1
		8	7	17.08	17.01	17.07	17.50	1
		15	0	17.02	16.96	17.03	17.50	1
3	16-QAM	1	0	17.02	16.98	16.99	17.50	1
		1	7	17.15	17.02	16.99	17.50	1
		1	14	17.10	16.96	17.01	17.50	1
		8	0	16.07	16.07	16.02	16.50	2
		8	4	16.14	16.09	16.01	16.50	2
		8	7	16.13	16.07	16.08	16.50	2
		15	0	16.09	16.02	16.06	16.50	2
3	64-QAM	1	0	16.06	15.98	16.06	16.50	2
		1	7	16.11	16.02	15.94	16.50	2
		1	14	16.13	16.03	16.06	16.50	2
		8	0	15.11	14.97	15.10	15.50	3
		8	4	15.13	15.03	15.02	15.50	3
		8	7	15.11	15.08	15.02	15.50	3
		15	0	15.06	15.03	15.10	15.50	3

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LTE Band 2								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1850.7	1880	1909.3		
Channel				18607	18900	19193		
1.4	QPSK	1	0	18.09	17.99	17.97	18.50	0
		1	2	18.02	18.04	18.04	18.50	0
		1	5	18.09	18.03	17.95	18.50	0
		3	0	18.11	18.02	18.06	18.50	0
		3	2	18.01	18.07	18.11	18.50	0
		3	3	18.07	18.02	18.01	18.50	0
		6	0	17.07	16.95	17.00	17.50	1
1.4	16-QAM	1	0	17.03	17.00	17.08	17.50	1
		1	2	17.12	16.96	17.02	17.50	1
		1	5	17.07	17.00	17.09	17.50	1
		3	0	17.06	17.03	17.03	17.50	1
		3	2	17.10	17.05	17.02	17.50	1
		3	3	17.04	17.01	17.01	17.50	1
		6	0	16.02	15.98	16.02	16.50	2
1.4	64-QAM	1	0	16.05	15.95	16.07	16.50	2
		1	2	16.02	16.01	16.00	16.50	2
		1	5	16.06	16.02	16.01	16.50	2
		3	0	16.14	15.99	16.01	16.50	2
		3	2	16.09	16.09	16.00	16.50	2
		3	3	16.02	15.96	16.04	16.50	2
		6	0	15.09	15.07	15.04	15.50	3

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1732.5	1745		
Channel				20050	20175	20300		
20	QPSK	1	0	20.72	20.79	21.40	21.50	0
		1	50	20.56	20.63	21.32	21.50	0
		1	99	20.58	20.60	21.20	21.50	0
		50	0	19.54	19.73	20.23	20.50	1
		50	25	19.64	19.61	20.33	20.50	1
		50	50	19.66	19.69	20.32	20.50	1
		100	0	19.59	19.66	20.21	20.50	1
20	16-QAM	1	0	19.58	19.64	20.22	20.50	1
		1	50	19.54	19.67	20.28	20.50	1
		1	99	19.66	19.59	20.27	20.50	1
		50	0	18.60	18.66	19.29	19.50	2
		50	25	18.53	18.62	19.23	19.50	2
		50	50	18.59	18.66	19.28	19.50	2
		100	0	18.54	18.67	19.28	19.50	2
20	64-QAM	1	0	18.57	18.70	19.21	19.50	2
		1	50	18.54	18.62	19.34	19.50	2
		1	99	18.60	18.67	19.23	19.50	2
		50	0	17.65	17.68	18.29	18.50	3
		50	25	17.58	17.63	18.26	18.50	3
		50	50	17.62	17.65	18.29	18.50	3
		100	0	17.57	17.58	18.32	18.50	3

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BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
Channel				20025	20175	20325		
15	QPSK	1	0	20.55	20.68	21.26	21.50	0
		1	36	20.58	20.62	21.28	21.50	0
		1	74	20.60	20.64	21.27	21.50	0
		36	0	19.54	19.66	20.30	20.50	1
		36	18	19.64	19.64	20.26	20.50	1
		36	37	19.60	19.68	20.22	20.50	1
		75	0	19.55	19.63	20.26	20.50	1
15	16-QAM	1	0	19.56	19.60	20.35	20.50	1
		1	36	19.63	19.70	20.26	20.50	1
		1	74	19.52	19.59	20.24	20.50	1
		36	0	18.51	18.65	19.27	19.50	2
		36	18	18.54	18.68	19.25	19.50	2
		36	37	18.59	18.60	19.22	19.50	2
		75	0	18.57	18.60	19.21	19.50	2
15	64-QAM	1	0	18.50	18.64	19.22	19.50	2
		1	36	18.58	18.72	19.26	19.50	2
		1	74	18.58	18.72	19.28	19.50	2
		36	0	17.51	17.66	18.29	18.50	3
		36	18	17.58	17.59	18.24	18.50	3
		36	37	17.51	17.60	18.19	18.50	3
		75	0	17.50	17.61	18.21	18.50	3

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1715	1732.5	1750		
Channel				20000	20175	20350		
10	QPSK	1	0	20.56	20.57	21.22	21.50	0
		1	25	20.62	20.60	21.31	21.50	0
		1	49	20.55	20.66	21.25	21.50	0
		25	0	19.55	19.74	20.29	20.50	1
		25	12	19.63	19.69	20.35	20.50	1
		25	25	19.55	19.58	20.29	20.50	1
		50	0	19.59	19.60	20.24	20.50	1
10	16-QAM	1	0	19.50	19.71	20.28	20.50	1
		1	25	19.55	19.59	20.31	20.50	1
		1	49	19.58	19.65	20.31	20.50	1
		25	0	18.63	18.64	19.22	19.50	2
		25	12	18.55	18.60	19.27	19.50	2
		25	25	18.64	18.69	19.32	19.50	2
		50	0	18.60	18.64	19.20	19.50	2
10	64-QAM	1	0	18.61	18.62	19.26	19.50	2
		1	25	18.62	18.67	19.28	19.50	2
		1	49	18.54	18.57	19.27	19.50	2
		25	0	17.58	17.71	18.30	18.50	3
		25	12	17.49	17.65	18.21	18.50	3
		25	25	17.62	17.67	18.26	18.50	3
		50	0	17.50	17.67	18.25	18.50	3

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
Channel				19975	20175	20375		
5	QPSK	1	0	20.61	20.64	21.24	21.50	0
		1	12	20.55	20.63	21.18	21.50	0
		1	24	20.52	20.61	21.21	21.50	0
		12	0	19.58	19.71	20.22	20.50	1
		12	6	19.57	19.67	20.27	20.50	1
		12	13	19.60	19.69	20.28	20.50	1
		25	0	19.58	19.63	20.27	20.50	1
5	16-QAM	1	0	19.60	19.61	20.23	20.50	1
		1	12	19.52	19.66	20.31	20.50	1
		1	24	19.58	19.66	20.28	20.50	1
		12	0	18.62	18.63	19.27	19.50	2
		12	6	18.66	18.56	19.27	19.50	2
		12	13	18.53	18.67	19.29	19.50	2
		25	0	18.56	18.64	19.28	19.50	2
5	64-QAM	1	0	18.53	18.66	19.31	19.50	2
		1	12	18.64	18.68	19.29	19.50	2
		1	24	18.58	18.73	19.25	19.50	2
		12	0	17.54	17.61	18.23	18.50	3
		12	6	17.56	17.69	18.24	18.50	3
		12	13	17.62	17.60	18.32	18.50	3
		25	0	17.62	17.57	18.33	18.50	3

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LTE Band 4								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
Channel				19965	20175	20385		
3	QPSK	1	0	20.66	20.69	21.18	21.50	0
		1	7	20.61	20.62	21.28	21.50	0
		1	14	20.59	20.69	21.24	21.50	0
		8	0	19.58	19.69	20.21	20.50	1
		8	4	19.58	19.60	20.22	20.50	1
		8	7	19.66	19.60	20.23	20.50	1
		15	0	19.59	19.69	20.25	20.50	1
3	16-QAM	1	0	19.67	19.68	20.21	20.50	1
		1	7	19.57	19.71	20.22	20.50	1
		1	14	19.57	19.68	20.25	20.50	1
		8	0	18.55	18.71	19.22	19.50	2
		8	4	18.54	18.60	19.27	19.50	2
		8	7	18.57	18.62	19.23	19.50	2
		15	0	18.58	18.69	19.29	19.50	2
3	64-QAM	1	0	18.60	18.72	19.29	19.50	2
		1	7	18.55	18.64	19.25	19.50	2
		1	14	18.63	18.61	19.29	19.50	2
		8	0	17.55	17.61	18.26	18.50	3
		8	4	17.55	17.58	18.31	18.50	3
		8	7	17.52	17.65	18.22	18.50	3
		15	0	17.63	17.66	18.19	18.50	3

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BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
Channel				19957	20175	20393		
1.4	QPSK	1	0	20.57	20.67	21.22	21.50	0
		1	2	20.62	20.71	21.29	21.50	0
		1	5	20.54	20.58	21.33	21.50	0
		3	0	20.55	20.65	21.19	21.50	0
		3	2	20.53	20.68	21.31	21.50	0
		3	3	20.50	20.70	21.21	21.50	0
		6	0	19.58	19.69	20.19	20.50	1
1.4	16-QAM	1	0	19.55	19.65	20.26	20.50	1
		1	2	19.61	19.66	20.26	20.50	1
		1	5	19.56	19.61	20.30	20.50	1
		3	0	19.54	19.68	20.20	20.50	1
		3	2	19.53	19.65	20.22	20.50	1
		3	3	19.56	19.60	20.23	20.50	1
		6	0	18.67	18.73	19.23	19.50	2
1.4	64-QAM	1	0	18.53	18.62	19.18	19.50	2
		1	2	18.62	18.69	19.21	19.50	2
		1	5	18.59	18.63	19.25	19.50	2
		3	0	17.66	17.65	18.26	19.50	2
		3	2	17.64	17.71	18.31	19.50	2
		3	3	17.57	17.71	18.20	19.50	2
		6	0	17.57	17.68	18.21	18.50	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1720	1745	1770		
Channel				132072	132322	132572		
20	QPSK	1	0	20.12	20.54	20.59	21.00	0
		1	50	19.97	20.43	20.41	21.00	0
		1	99	19.94	20.34	20.52	21.00	0
		50	0	18.99	19.36	19.48	20.00	1
		50	25	18.94	19.46	19.40	20.00	1
		50	50	18.96	19.39	19.39	20.00	1
		100	0	19.00	19.40	19.43	20.00	1
20	16-QAM	1	0	18.94	19.41	19.49	20.00	1
		1	50	19.02	19.45	19.45	20.00	1
		1	99	18.97	19.42	19.44	20.00	1
		50	0	18.01	18.38	18.41	19.00	2
		50	25	18.06	18.44	18.46	19.00	2
		50	50	17.96	18.33	18.42	19.00	2
		100	0	17.92	18.34	18.45	19.00	2
20	64-QAM	1	0	17.98	18.48	18.47	19.00	2
		1	50	17.94	18.41	18.40	19.00	2
		1	99	17.99	18.39	18.48	19.00	2
		50	0	16.96	17.44	17.52	18.00	3
		50	25	16.98	17.49	17.37	18.00	3
		50	50	17.01	17.43	17.43	18.00	3
		100	0	17.03	17.34	17.48	18.00	3

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BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1717.5	1745	1772.5		
Channel				132047	132322	132597		
15	QPSK	1	0	19.99	20.43	20.51	21.00	0
		1	36	19.89	20.41	20.40	21.00	0
		1	74	20.07	20.43	20.39	21.00	0
		36	0	18.94	19.42	19.47	20.00	1
		36	18	18.97	19.33	19.43	20.00	1
		36	37	19.06	19.39	19.47	20.00	1
		75	0	18.98	19.33	19.46	20.00	1
15	16-QAM	1	0	18.97	19.42	19.47	20.00	1
		1	36	19.05	19.35	19.43	20.00	1
		1	74	19.00	19.38	19.39	20.00	1
		36	0	17.93	18.36	18.49	19.00	2
		36	18	17.99	18.39	18.45	19.00	2
		36	37	18.03	18.40	18.52	19.00	2
		75	0	18.07	18.46	18.46	19.00	2
15	64-QAM	1	0	17.92	18.43	18.51	19.00	2
		1	36	17.95	18.44	18.44	19.00	2
		1	74	18.04	18.35	18.45	19.00	2
		36	0	16.98	17.36	17.48	18.00	3
		36	18	16.94	17.39	17.40	18.00	3
		36	37	17.00	17.37	17.48	18.00	3
		75	0	17.04	17.45	17.40	18.00	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1715	1745	1775		
Channel				132022	132322	132622		
10	QPSK	1	0	19.99	20.40	20.50	21.00	0
		1	25	20.06	20.41	20.36	21.00	0
		1	49	20.02	20.46	20.39	21.00	0
		25	0	19.06	19.42	19.50	20.00	1
		25	12	19.00	19.38	19.46	20.00	1
		25	25	19.01	19.44	19.39	20.00	1
		50	0	18.98	19.41	19.49	20.00	1
10	16-QAM	1	0	18.99	19.40	19.44	20.00	1
		1	25	18.92	19.45	19.51	20.00	1
		1	49	18.97	19.36	19.39	20.00	1
		25	0	17.92	18.46	18.50	19.00	2
		25	12	18.00	18.41	18.45	19.00	2
		25	25	17.98	18.44	18.39	19.00	2
		50	0	18.03	18.39	18.48	19.00	2
10	64-QAM	1	0	17.96	18.41	18.42	19.00	2
		1	25	18.03	18.42	18.42	19.00	2
		1	49	17.94	18.38	18.45	19.00	2
		25	0	16.95	17.39	17.47	18.00	3
		25	12	16.91	17.43	17.45	18.00	3
		25	25	16.94	17.46	17.39	18.00	3
		50	0	16.91	17.41	17.51	18.00	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1712.5	1745	1777.5		
Channel				131997	132322	132647		
5	QPSK	1	0	19.99	20.36	20.48	21.00	0
		1	12	19.91	20.34	20.43	21.00	0
		1	24	19.96	20.41	20.41	21.00	0
		12	0	19.00	19.36	19.45	20.00	1
		12	6	18.96	19.43	19.41	20.00	1
		12	13	18.92	19.43	19.48	20.00	1
		25	0	18.94	19.43	19.45	20.00	1
5	16-QAM	1	0	18.99	19.47	19.43	20.00	1
		1	12	18.92	19.36	19.45	20.00	1
		1	24	19.02	19.38	19.37	20.00	1
		12	0	17.90	18.40	18.39	19.00	2
		12	6	17.99	18.47	18.47	19.00	2
		12	13	18.06	18.35	18.39	19.00	2
		25	0	18.05	18.42	18.51	19.00	2
5	64-QAM	1	0	18.00	18.34	18.42	19.00	2
		1	12	17.98	18.49	18.44	19.00	2
		1	24	17.98	18.37	18.46	19.00	2
		12	0	16.98	17.35	17.48	18.00	3
		12	6	17.01	17.35	17.46	18.00	3
		12	13	16.98	17.43	17.53	18.00	3
		25	0	16.95	17.37	17.49	18.00	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1711.5	1745	1778.5		
Channel				131987	132322	132657		
3	QPSK	1	0	19.92	20.34	20.47	21.00	0
		1	7	19.97	20.39	20.42	21.00	0
		1	14	19.91	20.34	20.40	21.00	0
		8	0	19.05	19.38	19.41	20.00	1
		8	4	19.03	19.42	19.44	20.00	1
		8	7	18.96	19.40	19.42	20.00	1
		15	0	18.97	19.37	19.45	20.00	1
3	16-QAM	1	0	18.95	19.40	19.51	20.00	1
		1	7	18.93	19.43	19.48	20.00	1
		1	14	18.98	19.41	19.47	20.00	1
		8	0	17.96	18.38	18.47	19.00	2
		8	4	17.99	18.44	18.45	19.00	2
		8	7	18.01	18.39	18.52	19.00	2
		15	0	17.99	18.48	18.54	19.00	2
3	64-QAM	1	0	18.00	18.33	18.42	19.00	2
		1	7	18.07	18.32	18.47	19.00	2
		1	14	17.98	18.34	18.47	19.00	2
		8	0	16.98	17.42	17.44	18.00	3
		8	4	16.99	17.35	17.40	18.00	3
		8	7	16.97	17.45	17.39	18.00	3
		15	0	16.98	17.40	17.44	18.00	3

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LTE Band 66								
BW(MHz)	Modulation	RB Size	RB Offset	Conducted power (dBm)			Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Frequency (MHz)				1710.7	1745	1779.3		
Channel				131979	132322	132665		
1.4	QPSK	1	0	19.95	20.41	20.48	21.00	0
		1	2	19.96	20.40	20.43	21.00	0
		1	5	20.00	20.43	20.45	21.00	0
		3	0	20.04	20.35	20.47	21.00	0
		3	2	19.97	20.48	20.49	21.00	0
		3	3	19.98	20.39	20.40	21.00	0
		6	0	18.97	19.44	19.43	20.00	1
1.4	16-QAM	1	0	18.97	19.43	19.44	20.00	1
		1	2	18.90	19.43	19.40	20.00	1
		1	5	18.93	19.42	19.45	20.00	1
		3	0	18.99	19.40	19.48	20.00	1
		3	2	19.01	19.36	19.48	20.00	1
		3	3	18.99	19.36	19.44	20.00	1
		6	0	18.03	18.32	18.49	19.00	2
1.4	64-QAM	1	0	17.93	18.32	18.48	19.00	2
		1	2	18.00	18.41	18.39	19.00	2
		1	5	17.97	18.42	18.36	19.00	2
		3	0	17.99	18.41	18.50	19.00	2
		3	2	18.00	18.45	18.51	19.00	2
		3	3	17.98	18.44	18.49	19.00	2
		6	0	17.01	17.39	17.44	18.00	3

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
2.45GHz	802.11b	1	2412	1Mbps	17.50	17.47
		6	2437		17.50	17.41
		11	2462		17.50	17.46
	802.11g	1	2412	6Mbps	16.00	15.92
		6	2437		16.00	15.91
		11	2462		16.00	15.85
	802.11n20-HT0	1	2412	MCS0	15.50	15.36
		6	2437		15.50	15.37
		11	2462		15.50	15.35
	802.11n40-HT0	3	2422	MCS0	15.50	15.36
		6	2437		15.50	15.34
		9	2452		15.50	15.41

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Ant Main						
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.15-5.25 GHz	802.11a	36	5180	6Mbps	17.50	17.49
		40	5200		17.50	17.25
		44	5220		17.50	17.47
		48	5240		17.50	17.48
	802.11n20-HT0	36	5180	MCS0	15.50	15.41
		40	5200		15.50	15.36
		44	5220		15.50	15.34
		48	5240		15.50	15.37
	802.11ac20-VHT0	36	5180	MCS0	15.50	15.34
		40	5200		15.50	15.35
		44	5220		15.50	15.42
		48	5240		15.50	15.43
	802.11n40-HT0	38	5190	MCS0	15.50	15.42
		46	5230		15.50	15.35
	802.11ac40-VHT0	38	5190	MCS0	15.50	15.39
		46	5230		15.50	15.38
	802.11ac80-VHT0	42	5210	MCS0	15.50	15.43

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.25-5.35 GHz	802.11a	52	5260	6Mbps	17.50	17.35
		56	5280		17.50	17.48
		60	5300		17.50	17.48
		64	5320		17.50	17.49
	802.11n20-HT0	52	5260	MCS0	15.50	15.39
		56	5280		15.50	15.41
		60	5300		15.50	15.36
		64	5320		15.50	15.41
	802.11ac20-VHT0	52	5260	MCS0	15.50	15.39
		56	5280		15.50	15.43
		60	5300		15.50	15.35
		64	5320		15.50	15.37
	802.11n40-HT0	54	5270	MCS0	15.50	15.33
		62	5310		15.50	15.38
	802.11ac40-VHT0	54	5270	MCS0	15.50	15.35
		62	5310		15.50	15.42
	802.11ac80-VHT0	58	5290	MCS0	15.50	15.35

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.6GHz	802.11a	100	5500	6Mbps	17.50	17.46
		120	5600		17.50	17.47
		140	5700		17.50	17.45
		144	5720		17.50	17.49
	802.11n20-HT0	100	5500	MCS0	15.50	15.35
		120	5600		15.50	15.38
		140	5700		15.50	15.42
		144	5720		15.50	15.39
	802.11ac20-VHT0	100	5500	MCS0	15.50	15.38
		120	5600		15.50	15.36
		140	5700		15.50	15.38
		144	5720		15.50	15.30
	802.11n40-HT0	102	5510	MCS0	15.50	15.34
		118	5590		15.50	15.37
		134	5670		15.50	15.38
		142	5710		15.50	15.37
	802.11ac40-VHT0	102	5510	MCS0	15.50	15.42
		118	5590		15.50	15.34
		134	5670		15.50	15.41
		142	5710		15.50	15.36
	802.11ac80-VHT0	106	5530	MCS0	15.50	15.34
		122	5610		15.50	15.42
		138	5690		15.50	15.35

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Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
5.8GHz	802.11a	149	5745	6Mbps	17.50	17.48
		157	5785		17.50	17.38
		165	5825		17.50	17.41
	802.11n20-HT0	149	5745	MCS0	15.50	15.36
		157	5785		15.50	15.34
		165	5825		15.50	15.33
	802.11ac20-VHT0	149	5745	MCS0	15.50	15.35
		157	5785		15.50	15.39
		165	5825		15.50	15.38
	802.11n40-HT0	151	5755	MCS0	15.50	15.35
		159	5795		15.50	15.36
	802.11ac40-VHT0	151	5755	MCS0	15.50	15.35
		159	5795		15.50	15.37
	802.11ac80-VHT0	155	5775	MCS0	15.50	15.41

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6.3 Bluetooth

Mode	Channel	Frequency (MHz)	1Mbps		2Mbps		3Mbps	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)
BR/EDR	CH 00	2402	13.50	12.70	13.50	13.45	13.50	13.31
	CH 39	2441		12.89		13.33		13.35
	CH 78	2480		13.37		13.38		13.43

6.4 BLE

Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_1M	CH 00	2402	9.5	6.86
	CH 19	2440		7.84
	CH 39	2480		9.37
Mode	Channel	Frequency (MHz)	GFSK	
			Max. Rated Avg. Power + Max. Tolerance (dBm)	Average Output Power (dBm)
BLE_2M	CH 00	2402	9.5	6.77
	CH 19	2440		7.76
	CH 39	2480		9.30

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7 SUMMARY OF RESULTS

7.1 Decision rules

Reported measurement data comply with Test Methodology in section 1.1.

Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

7.2 Summary of SAR Results

Body

Full

Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		ID
												Measured	Reported	
LTE Band 2	20MHz	QPSK	1	0	Front Surface	5	19100	1900	22.00	21.64	108.64%	0.173	0.188	-
LTE Band 2			50	25	Front Surface	5	19100	1900	21.00	20.61	109.40%	0.131	0.143	-
LTE Band 2			1	0	Back Surface	14	19100	1900	22.00	21.64	108.64%	0.205	0.223	-
LTE Band 2			50	25	Back Surface	14	19100	1900	21.00	20.61	109.40%	0.189	0.207	-
LTE Band 2			1	0	Left Edge	14	19100	1900	22.00	21.64	108.64%	0.093	0.101	-
LTE Band 2			50	25	Left Edge	14	19100	1900	21.00	20.61	109.40%	0.087	0.095	-
LTE Band 2			1	0	Bottom Edge	14	18700	1860	22.00	20.34	146.55%	0.194	0.284	-
LTE Band 2			1	0	Bottom Edge	14	18900	1880	22.00	21.00	125.89%	0.208	0.262	-
LTE Band 2			1	0	Bottom Edge	14	19100	1900	22.00	21.64	108.64%	0.234	0.254	029
LTE Band 2			50	25	Bottom Edge	14	19100	1900	21.00	20.61	109.40%	0.189	0.207	-
LTE Band 2			1	0	Top Edge	5	19100	1900	22.00	21.64	108.64%	0.015	0.016	-
LTE Band 2			50	25	Top Edge	5	19100	1900	21.00	20.61	109.40%	0.012	0.013	-
LTE Band 2			1	0	Right Edge	5	19100	1900	22.00	21.64	108.64%	0.048	0.052	-
LTE Band 2			50	25	Right Edge	5	19100	1900	21.00	20.61	109.40%	0.034	0.037	-
LTE Band 2			1	0	Bottom Edge*	14	19100	1900	22.00	21.64	108.64%	0.205	0.223	-
LTE Band 4	20MHz	QPSK	1	0	Front Surface	5	20175	1732.5	22.00	21.85	103.51%	0.136	0.141	-
LTE Band 4			50	50	Front Surface	5	20175	1732.5	21.00	20.75	105.93%	0.112	0.119	-
LTE Band 4			1	0	Back Surface	14	20175	1732.5	22.00	21.85	103.51%	0.151	0.156	-
LTE Band 4			50	50	Back Surface	14	20175	1732.5	21.00	20.75	105.93%	0.130	0.138	-
LTE Band 4			1	0	Left Edge	14	20175	1732.5	22.00	21.85	103.51%	0.078	0.081	-
LTE Band 4			50	50	Left Edge	14	20175	1732.5	21.00	20.75	105.93%	0.066	0.070	-
LTE Band 4			1	0	Bottom Edge	14	20050	1720	22.00	21.75	105.93%	0.143	0.151	-
LTE Band 4			1	0	Bottom Edge	14	20175	1732.5	22.00	21.85	103.51%	0.156	0.161	-
LTE Band 4			1	0	Bottom Edge	14	20300	1745	22.00	21.60	109.65%	0.168	0.184	030
LTE Band 4			50	50	Bottom Edge	14	20175	1732.5	21.00	20.75	105.93%	0.136	0.144	-
LTE Band 4			1	0	Top Edge	5	20175	1732.5	22.00	21.85	103.51%	0.013	0.013	-
LTE Band 4			50	50	Top Edge	5	20175	1732.5	21.00	20.75	105.93%	0.001	0.001	-
LTE Band 4			1	0	Right Edge	5	20175	1732.5	22.00	21.85	103.51%	0.045	0.047	-
LTE Band 4			50	50	Right Edge	5	20175	1732.5	21.00	20.75	105.93%	0.041	0.043	-
LTE Band 4			1	0	Bottom Edge*	14	20300	1745	22.00	21.60	109.65%	0.162	0.178	-
LTE Band 5	10MHz	QPSK	1	0	Front Surface	5	20525	836.5	22.00	21.80	104.71%	0.374	0.392	-
LTE Band 5			25	0	Front Surface	5	20525	836.5	21.00	20.70	107.15%	0.283	0.303	-
LTE Band 5			1	0	Back Surface	5	20525	836.5	22.00	21.80	104.71%	0.447	0.468	-
LTE Band 5			25	0	Back Surface	5	20525	836.5	21.00	20.70	107.15%	0.332	0.356	-
LTE Band 5			1	0	Top Edge	5	20525	836.5	22.00	21.80	104.71%	0.022	0.023	-
LTE Band 5			25	0	Top Edge	5	20525	836.5	21.00	20.70	107.15%	0.019	0.020	-
LTE Band 5			1	0	Bottom Edge	5	20450	829	22.00	21.67	107.89%	0.667	0.720	003
LTE Band 5			1	0	Bottom Edge	5	20525	836.5	22.00	21.80	104.71%	0.657	0.688	-
LTE Band 5			1	0	Bottom Edge	5	20600	844	22.00	21.68	107.65%	0.584	0.629	-
LTE Band 5			25	0	Bottom Edge	5	20525	836.5	21.00	20.70	107.15%	0.457	0.490	-
LTE Band 5			1	0	Right Edge	5	20525	836.5	22.00	21.80	104.71%	0.157	0.164	-
LTE Band 5			25	0	Right Edge	5	20525	836.5	21.00	20.70	107.15%	0.121	0.130	-
LTE Band 5			1	0	Left Edge	5	20525	836.5	22.00	21.80	104.71%	0.265	0.277	-
LTE Band 5			25	0	Left Edge	5	20525	836.5	21.00	20.70	107.15%	0.223	0.239	-
LTE Band 5			1	0	Bottom Edge*	5	20450	829	22.00	21.67	107.89%	0.621	0.670	-
LTE Band 12	10MHz	QPSK	1	0	Front Surface	5	23095	707.5	22.00	21.15	121.62%	0.160	0.195	-
LTE Band 12			25	12	Front Surface	5	23095	707.5	21.00	20.08	123.59%	0.139	0.172	-
LTE Band 12			1	0	Back Surface	5	23095	707.5	22.00	21.15	121.62%	0.227	0.276	-
LTE Band 12			25	12	Back Surface	5	23095	707.5	21.00	20.08	123.59%	0.200	0.247	-
LTE Band 12			1	0	Top Edge	5	23095	707.5	22.00	21.15	121.62%	0.009	0.011	-
LTE Band 12			25	12	Top Edge	5	23095	707.5	21.00	20.08	123.59%	0.007	0.009	-
LTE Band 12			1	0	Bottom Edge	5	23060	704	22.00	21.14	121.90%	0.247	0.301	-
LTE Band 12			1	0	Bottom Edge	5	23095	707.5	22.00	21.15	121.62%	0.321	0.390	004
LTE Band 12			1	0	Bottom Edge	5	23130	711	22.00	21.13	122.18%	0.308	0.376	-
LTE Band 12			25	12	Bottom Edge	5	23095	707.5	21.00	20.08	123.59%	0.243	0.300	-
LTE Band 12			1	0	Right Edge	5	23095	707.5	22.00	21.15	121.62%	0.091	0.111	-
LTE Band 12			25	12	Right Edge	5	23095	707.5	21.00	20.08	123.59%	0.074	0.091	-
LTE Band 12			1	0	Left Edge	5	23095	707.5	22.00	21.15	121.62%	0.169	0.206	-
LTE Band 12			25	12	Left Edge	5	23095	707.5	21.00	20.08	123.59%	0.145	0.179	-
LTE Band 12			1	0	Bottom Edge*	5	23095	707.5	22.00	21.15	121.62%	0.292	0.355	-

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LTE Band 13	10MHz	QPSK	1	0	Front Surface	5	23230	782	22.00	20.98	126.47%	0.267	0.338	-
LTE Band 13			25	12	Front Surface	5	23230	782	21.00	19.90	128.82%	0.200	0.258	-
LTE Band 13			1	0	Back Surface	5	23230	782	22.00	20.98	126.47%	0.308	0.390	-
LTE Band 13			25	12	Back Surface	5	23230	782	21.00	19.90	128.82%	0.235	0.303	-
LTE Band 13			1	0	Top Edge	5	23230	782	22.00	20.98	126.47%	0.013	0.016	-
LTE Band 13			25	12	Top Edge	5	23230	782	21.00	19.90	128.82%	0.011	0.014	-
LTE Band 13			1	0	Bottom Edge	5	23230	782	22.00	20.98	126.47%	0.516	0.653	005
LTE Band 13			25	12	Bottom Edge	5	23230	782	21.00	19.90	128.82%	0.346	0.446	-
LTE Band 13			1	0	Right Edge	5	23230	782	22.00	20.98	126.47%	0.156	0.197	-
LTE Band 13			25	12	Right Edge	5	23230	782	21.00	19.90	128.82%	0.101	0.130	-
LTE Band 13			1	0	Left Edge	5	23230	782	22.00	20.98	126.47%	0.182	0.230	-
LTE Band 13			25	12	Left Edge	5	23230	782	21.00	19.90	128.82%	0.154	0.198	-
LTE Band 13			1	0	Bottom Edge*	5	23230	782	22.00	20.98	126.47%	0.425	0.538	-
LTE Band 17			1	0	Front Surface	5	23800	711	22.00	21.42	114.29%	0.181	0.207	-
LTE Band 17			25	0	Front Surface	5	23780	709	21.00	20.33	116.68%	0.144	0.168	-
LTE Band 17			1	0	Back Surface	5	23800	711	22.00	21.42	114.29%	0.255	0.291	-
LTE Band 17	10MHz	QPSK	25	0	Back Surface	5	23780	709	21.00	20.33	116.68%	0.208	0.243	-
LTE Band 17			1	0	Top Edge	5	23800	711	22.00	21.42	114.29%	0.009	0.010	-
LTE Band 17			25	0	Top Edge	5	23780	709	21.00	20.33	116.68%	0.008	0.009	-
LTE Band 17			1	0	Bottom Edge	5	23780	709	22.00	21.41	114.55%	0.312	0.357	-
LTE Band 17			1	0	Bottom Edge	5	23790	710	22.00	21.35	116.14%	0.305	0.354	-
LTE Band 17			1	0	Bottom Edge	5	23800	711	22.00	21.42	114.29%	0.368	0.421	006
LTE Band 17			25	0	Bottom Edge	5	23780	709	21.00	20.33	116.68%	0.247	0.288	-
LTE Band 17			1	0	Right Edge	5	23800	711	22.00	21.42	114.29%	0.101	0.115	-
LTE Band 17			25	0	Right Edge	5	23780	709	21.00	20.33	116.68%	0.087	0.102	-
LTE Band 17			1	0	Left Edge	5	23800	711	22.00	21.42	114.29%	0.182	0.208	-
LTE Band 17			25	0	Left Edge	5	23780	709	21.00	20.33	116.68%	0.160	0.187	-
LTE Band 17			1	0	Bottom Edge*	5	23800	711	22.00	21.42	114.29%	0.303	0.346	-
LTE Band 66	20MHz	QPSK	1	0	Front Surface	5	132072	1720	22.00	21.99	100.23%	0.113	0.113	-
LTE Band 66			50	0	Front Surface	5	132072	1720	21.00	20.94	101.39%	0.109	0.111	-
LTE Band 66			1	0	Back Surface	14	132072	1720	22.00	21.99	100.23%	0.114	0.114	-
LTE Band 66			50	0	Back Surface	14	132072	1720	21.00	20.94	101.39%	0.107	0.108	-
LTE Band 66			1	0	Left Edge	14	132072	1720	22.00	21.99	100.23%	0.048	0.048	-
LTE Band 66			50	0	Left Edge	14	132072	1720	21.00	20.94	101.39%	0.039	0.040	-
LTE Band 66			1	0	Bottom Edge	14	132072	1720	22.00	21.99	100.23%	0.119	0.119	-
LTE Band 66			1	0	Bottom Edge	14	132322	1745	22.00	21.75	105.93%	0.147	0.156	031
LTE Band 66			1	0	Bottom Edge	14	132572	1770	22.00	21.11	122.74%	0.126	0.155	-
LTE Band 66			50	0	Bottom Edge	14	132072	1720	21.00	20.94	101.39%	0.099	0.100	-
LTE Band 66			1	0	Top Edge	5	132072	1720	22.00	21.99	100.23%	0.011	0.011	-
LTE Band 66			50	0	Top Edge	5	132072	1720	21.00	20.94	101.39%	0.006	0.006	-
LTE Band 66			1	0	Right Edge	5	132072	1720	22.00	21.99	100.23%	0.050	0.050	-
LTE Band 66			50	0	Right Edge	5	132072	1720	21.00	20.94	101.39%	0.043	0.044	-
LTE Band 66			1	0	Bottom Edge*	14	132322	1745	22.00	21.75	105.93%	0.117	0.124	-

Reduced

Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 1g (W/kg)		ID
												Measured	Reported	
LTE Band 2	20MHz	QPSK	1	0	Back Surface	5	18700	1860	18.50	18.22	106.66%	0.772	0.823	-
LTE Band 2			1	0	Back Surface	5	18900	1880	18.50	18.15	108.39%	0.834	0.904	-
LTE Band 2			1	0	Back Surface	5	19100	1900	18.50	18.17	107.89%	1.100	1.187	001
LTE Band 2			50	25	Back Surface	5	18700	1860	17.50	17.17	107.89%	0.624	0.673	-
LTE Band 2			100RB		Back Surface	5	19100	1900	17.50	17.10	109.65%	0.512	0.561	-
LTE Band 2			1	0	Bottom Edge	5	18700	1860	18.50	18.22	106.66%	0.690	0.736	-
LTE Band 2			50	25	Bottom Edge	5	18700	1860	17.50	17.17	107.89%	0.575	0.620	-
LTE Band 2			1	0	Left Edge	5	18700	1860	18.50	18.22	106.66%	0.269	0.287	-
LTE Band 2			50	25	Left Edge	5	18700	1860	17.50	17.17	107.89%	0.199	0.215	-
LTE Band 2			1	0	Back Surface*	5	19100	1900	18.50	18.17	107.89%	0.711	0.767	-
LTE Band 2			1	0	Back Surface**	5	19100	1900	18.50	18.17	107.89%	1.050	1.133	-
LTE Band 4	20MHz	QPSK	1	0	Back Surface	5	20050	1720	21.50	20.72	119.67%	0.597	0.714	-
LTE Band 4			1	0	Back Surface	5	20175	1732.5	21.50	20.79	117.76%	0.755	0.889	-
LTE Band 4			1	0	Back Surface	5	20300	1745	21.50	21.40	102.33%	0.791	0.809	-
LTE Band 4			50	25	Back Surface	5	20300	1745	20.50	20.33	103.99%	0.625	0.650	-
LTE Band 4			100RB		Back Surface	5	20300	1745	20.50	20.21	106.91%	0.583	0.623	-
LTE Band 4			1	0	Bottom Edge	5	20050	1720	21.50	20.72	119.67%	0.823	0.985	-
LTE Band 4			1	0	Bottom Edge	5	20175	1732.5	21.50	20.79	117.76%	0.875	1.030	-
LTE Band 4			1	0	Bottom Edge	5	20300	1745	21.50	21.40	102.33%	1.040	1.064	002
LTE Band 4			50	25	Bottom Edge	5	20300	1745	20.50	20.33	103.99%	0.718	0.747	-
LTE Band 4			100RB		Bottom Edge	5	20300	1745	20.50	20.21	106.91%	0.666	0.712	-
LTE Band 4			1	0	Left Edge	5	20300	1745	21.50	21.40	102.33%	0.310	0.317	-
LTE Band 4			50	25	Left Edge	5	20300	1745	20.50	20.33	103.99%	0.245	0.255	-
LTE Band 4	20MHz	QPSK	1	0	Bottom Edge*	5	20300	1745	21.50	21.40	102.33%	0.564	0.577	-
LTE Band 4			1	0	Bottom Edge**	5	20300	1745	21.50	21.40	102.33%	0.996	1.019	-
LTE Band 66			1	0	Back Surface	5	132072	1720	21.00	20.12	122.46%	0.709	0.868	-
LTE Band 66			1	0	Back Surface	5	132322	1745	21.00	20.54	111.17%	0.716	0.796	-
LTE Band 66			1	0	Back Surface	5	132572	1770	21.00	20.59	109.90%	0.821	0.902	-
LTE Band 66			50	0	Back Surface	5	132572	1770	20.00	19.48	112.72%	0.624	0.703	-
LTE Band 66			100RB		Back Surface	5	132572	1770	20.00	19.43	114.02%	0.571	0.651	-
LTE Band 66			1	0	Bottom Edge	5	132072	1720	21.00	20.12	122.46%	0.866	1.061	-
LTE Band 66			1	0	Bottom Edge	5	132322	1745	21.00	20.54	111.17%	0.940	1.045	007
LTE Band 66			1	0	Bottom Edge	5	132572	1770	21.00	20.59	109.90%	0.936	1.029	-
LTE Band 66			50	0	Bottom Edge	5	132572	1770	20.00	19.48	112.72%	0.626	0.706	-
LTE Band 66			100RB		Bottom Edge	5	132572	1770	20.00	19.43	114.02%	0.602	0.686	-
LTE Band 66			1	0	Left Edge	5	132572	1770	21.00	20.59	109.90%	0.250	0.275	-
LTE Band 66			50	0	Left Edge	5	132572	1770	20.00	19.48	112.72%	0.229	0.258	-
LTE Band 66			1	0	Bottom Edge*	5	132072	1720	21.00	20.12	122.46%	0.482	0.590	-
LTE Band 66			1	0	Bottom Edge**	5	132322	1745	21.00	20.54	111.17%	0.932	1.036	-

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Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11b	Main	Front Surface	5	1	2412	17.50	17.47	1.02	100.69%	0.289	0.296	-
WLAN 802.11b	Main	Back Surface	5	1	2412	17.50	17.47	1.02	100.69%	0.532	0.545	008
WLAN 802.11b	Main	Back Surface	5	6	2437	17.50	17.41	1.02	102.09%	0.481	0.499	-
WLAN 802.11b	Main	Back Surface	5	11	2462	17.50	17.46	1.02	100.93%	0.491	0.504	-
WLAN 802.11b	Main	Top Edge	5	1	2412	17.50	17.47	1.02	100.69%	0.161	0.165	-
WLAN 802.11b	Main	Bottom Edge	5	1	2412	17.50	17.47	1.02	100.69%	0.081	0.083	-
WLAN 802.11b	Main	Right Edge	5	1	2412	17.50	17.47	1.02	100.69%	0.104	0.107	-
WLAN 802.11b	Main	Left Edge	5	1	2412	17.50	17.47	1.02	100.69%	0.310	0.317	-
WLAN 802.11b	Main	Back Surface*	5	1	2412	17.50	17.47	1.02	100.69%	0.158	0.162	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
Bluetooth(GFSK)	Main	Front Surface	5	78	2480	13.50	13.37	1.30	103.04%	0.057	0.076	-
Bluetooth(GFSK)	Main	Back Surface	5	00	2402	13.50	12.70	1.30	120.23%	0.126	0.197	009
Bluetooth(GFSK)	Main	Back Surface	5	39	2441	13.50	12.89	1.30	115.08%	0.121	0.181	-
Bluetooth(GFSK)	Main	Back Surface	5	78	2480	13.50	13.37	1.30	103.04%	0.118	0.158	-
Bluetooth(GFSK)	Main	Top Edge	5	78	2480	13.50	13.37	1.30	103.04%	0.039	0.052	-
Bluetooth(GFSK)	Main	Bottom Edge	5	78	2480	13.50	13.37	1.30	103.04%	0.036	0.048	-
Bluetooth(GFSK)	Main	Right Edge	5	78	2480	13.50	13.37	1.30	103.04%	0.031	0.042	-
Bluetooth(GFSK)	Main	Left Edge	5	78	2480	13.50	13.37	1.30	103.04%	0.063	0.084	-
Bluetooth(GFSK)	Main	Back Surface*	5	00	2402	13.50	12.70	1.30	120.23%	0.031	0.048	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11a 5.2G	Main	Front Surface	5	36	5180	17.50	17.49	1.03	100.23%	0.145	0.150	-
WLAN 802.11a 5.2G	Main	Back Surface	5	36	5180	17.50	17.49	1.03	100.23%	0.468	0.484	-
WLAN 802.11a 5.2G	Main	Top Edge	5	36	5180	17.50	17.49	1.03	100.23%	0.183	0.189	-
WLAN 802.11a 5.2G	Main	Bottom Edge	5	36	5180	17.50	17.49	1.03	100.23%	0.117	0.121	-
WLAN 802.11a 5.2G	Main	Right Edge	5	36	5180	17.50	17.49	1.03	100.23%	0.089	0.092	-
WLAN 802.11a 5.2G	Main	Left Edge	5	36	5180	17.50	17.49	1.03	100.23%	0.672	0.684	010
WLAN 802.11a 5.2G	Main	Left Edge	5	40	5200	17.50	17.25	1.03	105.93%	0.610	0.666	-
WLAN 802.11a 5.2G	Main	Left Edge	5	44	5220	17.50	17.47	1.03	100.69%	0.654	0.679	-
WLAN 802.11a 5.2G	Main	Left Edge	5	48	5240	17.50	17.48	1.03	100.46%	0.636	0.659	-
WLAN 802.11a 5.2G	Main	Left Edge*	5	36	5180	17.50	17.49	1.03	100.23%	0.540	0.558	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11a 5.3G	Main	Front Surface	5	64	5320	17.50	17.49	1.03	100.23%	0.107	0.111	-
WLAN 802.11a 5.3G	Main	Back Surface	5	64	5320	17.50	17.49	1.03	100.23%	0.555	0.574	-
WLAN 802.11a 5.3G	Main	Top Edge	5	64	5320	17.50	17.49	1.03	100.23%	0.264	0.273	-
WLAN 802.11a 5.3G	Main	Bottom Edge	5	64	5320	17.50	17.49	1.03	100.23%	0.129	0.133	-
WLAN 802.11a 5.3G	Main	Right Edge	5	64	5320	17.50	17.49	1.03	100.23%	0.064	0.066	-
WLAN 802.11a 5.3G	Main	Left Edge	5	52	5260	17.50	17.35	1.03	103.51%	0.566	0.604	-
WLAN 802.11a 5.3G	Main	Left Edge	5	56	5280	17.50	17.48	1.03	100.46%	0.678	0.702	011
WLAN 802.11a 5.3G	Main	Left Edge	5	60	5300	17.50	17.48	1.03	100.46%	0.659	0.683	-
WLAN 802.11a 5.3G	Main	Left Edge	5	64	5320	17.50	17.49	1.03	100.23%	0.652	0.674	-
WLAN 802.11a 5.3G	Main	Left Edge*	5	56	5280	17.50	17.48	1.03	100.46%	0.604	0.626	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11a 5.6G	Main	Front Surface	5	144	5720	17.50	17.49	1.03	100.23%	0.197	0.204	-
WLAN 802.11a 5.6G	Main	Back Surface	5	144	5720	17.50	17.49	1.03	100.23%	0.434	0.448	-
WLAN 802.11a 5.6G	Main	Top Edge	5	144	5720	17.50	17.49	1.03	100.23%	0.231	0.239	-
WLAN 802.11a 5.6G	Main	Bottom Edge	5	144	5720	17.50	17.49	1.03	100.23%	0.139	0.144	-
WLAN 802.11a 5.6G	Main	Right Edge	5	144	5720	17.50	17.49	1.03	100.23%	0.054	0.056	-
WLAN 802.11a 5.6G	Main	Left Edge	5	100	5500	17.50	17.46	1.03	100.93%	0.744	0.774	-
WLAN 802.11a 5.6G	Main	Left Edge	5	120	5600	17.50	17.47	1.03	100.69%	1.060	1.100	012
WLAN 802.11a 5.6G	Main	Left Edge	5	140	5700	17.50	17.45	1.03	101.16%	0.739	0.771	-
WLAN 802.11a 5.6G	Main	Left Edge	5	144	5720	17.50	17.49	1.03	100.23%	0.765	0.791	-
WLAN 802.11a 5.6G	Main	Left Edge*	5	120	5600	17.50	17.47	1.03	100.69%	1.020	1.059	-
WLAN 802.11a 5.6G	Main	Left Edge**	5	120	5600	17.50	17.47	1.03	100.69%	1.050	1.090	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 1g (W/kg)		ID
										Measured	Reported	
WLAN 802.11a 5.8G	Main	Front Surface	5	149	5745	17.50	17.48	1.03	100.46%	0.201	0.208	-
WLAN 802.11a 5.8G	Main	Back Surface	5	149	5745	17.50	17.48	1.03	100.46%	0.411	0.426	-
WLAN 802.11a 5.8G	Main	Top Edge	5	149	5745	17.50	17.48	1.03	100.46%	0.208	0.215	-
WLAN 802.11a 5.8G	Main	Bottom Edge	5	149	5745	17.50	17.48	1.03	100.46%	0.126	0.131	-
WLAN 802.11a 5.8G	Main	Right Edge	5	149	5745	17.50	17.48	1.03	100.46%	0.070	0.073	-
WLAN 802.11a 5.8G	Main	Left Edge	5	149	5745	17.50	17.48	1.03	100.46%	0.764	0.791	013
WLAN 802.11a 5.8G	Main	Left Edge	5	157	5785	17.50	17.38	1.03	102.80%	0.593	0.629	-
WLAN 802.11a 5.8G	Main	Left Edge	5	165	5825	17.50	17.41	1.03	102.09%	0.661	0.696	-
WLAN 802.11a 5.8G	Main	Left Edge*	5	149	5745	17.50	17.48	1.03	100.46%	0.718	0.744	-

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Limb

Band	Bandwidth (MHz)	Modulation	RB Size	RB start	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Scaling	Averaged SAR over 10g (W/kg)		ID
												Measured	Reported	
LTE Band 2	20MHz	QPSK	1	0	Front Surface	0	19100	1900	22.00	21.64	108.64%	0.241	0.262	-
LTE Band 2			50	25	Front Surface	0	19100	1900	21.00	20.61	109.40%	0.183	0.200	-
LTE Band 2			1	0	Back Surface	0	18700	1860	18.50	18.22	106.66%	0.871	0.929	-
LTE Band 2			1	0	Back Surface	0	18900	1880	18.50	18.15	108.39%	0.921	0.998	-
LTE Band 2			1	0	Back Surface	0	19100	1900	18.50	18.17	107.89%	1.090	1.176	016
LTE Band 2			50	25	Back Surface	0	18700	1860	17.50	17.17	107.89%	0.693	0.748	-
LTE Band 2			1	0	Top Edge	0	19100	1900	22.00	21.64	108.64%	0.014	0.015	-
LTE Band 2			50	25	Top Edge	0	19100	1900	21.00	20.61	109.40%	0.010	0.011	-
LTE Band 2			1	0	Bottom Edge	0	18700	1860	18.50	18.22	106.66%	0.758	0.808	-
LTE Band 2			50	25	Bottom Edge	0	18700	1860	17.50	17.17	107.89%	0.615	0.664	-
LTE Band 2			1	0	Right Edge	0	19100	1900	22.00	21.64	108.64%	0.035	0.038	-
LTE Band 2			50	25	Right Edge	0	19100	1900	21.00	20.61	109.40%	0.029	0.032	-
LTE Band 2			1	0	Left Edge	0	18700	1860	18.50	18.22	106.66%	0.337	0.359	-
LTE Band 2			50	25	Left Edge	0	18700	1860	17.50	17.17	107.89%	0.280	0.302	-
LTE Band 2			1	0	Back Surface*	0	19100	1900	18.50	18.17	107.89%	0.703	0.758	-
LTE Band 4	20MHz	QPSK	1	0	Front Surface	0	20175	1732.5	22.00	21.85	103.51%	0.182	0.188	-
LTE Band 4			50	50	Front Surface	0	20175	1732.5	21.00	20.75	105.93%	0.133	0.141	-
LTE Band 4			1	0	Back Surface	0	20300	1745	21.50	21.40	102.33%	0.856	0.876	-
LTE Band 4			50	25	Back Surface	0	20300	1745	20.50	20.33	103.99%	0.675	0.702	-
LTE Band 4			1	0	Top Edge	0	20175	1732.5	22.00	21.85	103.51%	0.012	0.012	-
LTE Band 4			50	50	Top Edge	0	20175	1732.5	21.00	20.75	105.93%	0.010	0.011	-
LTE Band 4			1	0	Bottom Edge	0	20050	1720	21.50	20.72	119.67%	0.944	1.130	-
LTE Band 4			1	0	Bottom Edge	0	20175	1732.5	21.50	20.79	117.76%	0.927	1.092	-
LTE Band 4			1	0	Bottom Edge	0	20300	1745	21.50	21.40	102.33%	1.140	1.167	017
LTE Band 4			50	25	Bottom Edge	0	20300	1745	20.50	20.33	103.99%	0.847	0.881	-
LTE Band 4			1	0	Right Edge	0	20175	1732.5	22.00	21.85	103.51%	0.050	0.052	-
LTE Band 4			50	50	Right Edge	0	20175	1732.5	21.00	20.75	105.93%	0.043	0.046	-
LTE Band 4			1	0	Left Edge	0	20300	1745	21.50	21.40	102.33%	0.435	0.445	-
LTE Band 4			50	25	Left Edge	0	20300	1745	20.50	20.33	103.99%	0.305	0.317	-
LTE Band 4			1	0	Bottom Edge*	0	20300	1745	21.50	21.40	102.33%	0.527	0.539	-
LTE Band 5	10MHz	QPSK	1	0	Front Surface	0	20525	836.5	22.00	21.80	104.71%	0.420	0.440	-
LTE Band 5			25	0	Front Surface	0	20525	836.5	21.00	20.70	107.15%	0.317	0.340	-
LTE Band 5			1	0	Back Surface	0	20525	836.5	22.00	21.80	104.71%	0.324	0.339	-
LTE Band 5			25	0	Back Surface	0	20525	836.5	21.00	20.70	107.15%	0.247	0.265	-
LTE Band 5			1	0	Top Edge	0	20525	836.5	22.00	21.80	104.71%	0.026	0.027	-
LTE Band 5			25	0	Top Edge	0	20525	836.5	21.00	20.70	107.15%	0.022	0.024	-
LTE Band 5			1	0	Bottom Edge	0	20450	829	22.00	21.67	107.89%	0.505	0.545	018
LTE Band 5			1	0	Bottom Edge	0	20525	836.5	22.00	21.80	104.71%	0.412	0.431	-
LTE Band 5			1	0	Bottom Edge	0	20600	844	22.00	21.68	107.65%	0.363	0.391	-
LTE Band 5			25	0	Bottom Edge	0	20525	836.5	21.00	20.70	107.15%	0.307	0.329	-
LTE Band 5			1	0	Right Edge	0	20525	836.5	22.00	21.80	104.71%	0.068	0.071	-
LTE Band 5			25	0	Right Edge	0	20525	836.5	21.00	20.70	107.15%	0.056	0.060	-
LTE Band 5			1	0	Left Edge	0	20525	836.5	22.00	21.80	104.71%	0.268	0.281	-
LTE Band 5			25	0	Left Edge	0	20525	836.5	21.00	20.70	107.15%	0.208	0.223	-
LTE Band 5			1	0	Bottom Edge*	0	20450	829	22.00	21.67	107.89%	0.436	0.470	-
LTE Band 12	10MHz	QPSK	1	0	Front Surface	0	23095	707.5	22.00	21.15	121.62%	0.245	0.298	-
LTE Band 12			25	12	Front Surface	0	23095	707.5	21.00	20.08	123.59%	0.206	0.255	-
LTE Band 12			1	0	Back Surface	0	23095	707.5	22.00	21.15	121.62%	0.514	0.625	-
LTE Band 12			25	12	Back Surface	0	23095	707.5	21.00	20.08	123.59%	0.402	0.497	-
LTE Band 12			1	0	Top Edge	0	23095	707.5	22.00	21.15	121.62%	0.015	0.018	-
LTE Band 12			25	12	Top Edge	0	23095	707.5	21.00	20.08	123.59%	0.013	0.016	-
LTE Band 12			1	0	Bottom Edge	0	23060	704	22.00	21.14	121.90%	0.495	0.603	-
LTE Band 12			1	0	Bottom Edge	0	23095	707.5	22.00	21.15	121.62%	0.496	0.603	-
LTE Band 12			1	0	Bottom Edge	0	23130	711	22.00	21.13	122.18%	0.595	0.727	019
LTE Band 12			25	12	Bottom Edge	0	23095	707.5	21.00	20.08	123.59%	0.397	0.491	-
LTE Band 12			1	0	Right Edge	0	23095	707.5	22.00	21.15	121.62%	0.049	0.060	-
LTE Band 12			25	12	Right Edge	0	23095	707.5	21.00	20.08	123.59%	0.039	0.048	-
LTE Band 12			1	0	Left Edge	0	23095	707.5	22.00	21.15	121.62%	0.392	0.477	-
LTE Band 12			25	12	Left Edge	0	23095	707.5	21.00	20.08	123.59%	0.316	0.391	-
LTE Band 12			1	0	Bottom Edge*	0	23130	711	22.00	21.13	122.18%	0.579	0.707	-
LTE Band 13	10MHz	QPSK	1	0	Front Surface	0	23230	782	22.00	20.98	126.47%	0.328	0.415	-
LTE Band 13			25	12	Front Surface	0	23230	782	21.00	19.90	128.82%	0.248	0.319	-
LTE Band 13			1	0	Back Surface	0	23230	782	22.00	20.98	126.47%	0.351	0.444	-
LTE Band 13			25	12	Back Surface	0	23230	782	21.00	19.90	128.82%	0.262	0.338	-
LTE Band 13			1	0	Top Edge	0	23230	782	22.00	20.98	126.47%	0.017	0.022	-
LTE Band 13			25	12	Top Edge	0	23230	782	21.00	19.90	128.82%	0.013	0.017	-
LTE Band 13			1	0	Bottom Edge	0	23230	782	22.00	20.98	126.47%	0.075	0.601	020
LTE Band 13			25	12	Bottom Edge	0	23230	782	21.00	19.90	128.82%	0.310	0.399	-
LTE Band 13			1	0	Right Edge	0	23230	782	22.00	20.98	126.47%	0.056	0.071	-
LTE Band 13			25	12	Right Edge	0	23230	782	21.00	19.90	128.82%	0.046	0.059	-
LTE Band 13			1	0	Left Edge	0	23230	782	22.00	20.98	126.47%	0.322	0.407	-
LTE Band 13			25	12	Left Edge	0	23230	782	21.00	19.90	128.82%	0.241	0.310	-
LTE Band 13			1	0	Bottom Edge*	0	23230	782	22.00	20.98	126.47%	0.411	0.520	-

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LTE Band 17	10MHz	QPSK	1	0	Front Surface	0	23800	711	22.00	21.42	114.29%	0.274	0.313	-
LTE Band 17			25	0	Front Surface	0	23780	709	21.00	20.33	116.68%	0.215	0.251	-
LTE Band 17			1	0	Back Surface	0	23800	711	22.00	21.42	114.29%	0.514	0.587	-
LTE Band 17			25	0	Back Surface	0	23780	709	21.00	20.33	116.68%	0.408	0.476	-
LTE Band 17			1	0	Top Edge	0	23800	711	22.00	21.42	114.29%	0.015	0.017	-
LTE Band 17			25	0	Top Edge	0	23780	709	21.00	20.33	116.68%	0.012	0.014	-
LTE Band 17			1	0	Bottom Edge	0	23780	709	22.00	21.41	114.55%	0.618	0.708	021
LTE Band 17			1	0	Bottom Edge	0	23790	710	22.00	21.35	116.14%	0.522	0.606	-
LTE Band 17			1	0	Bottom Edge	0	23800	711	22.00	21.42	114.29%	0.511	0.584	-
LTE Band 17			25	0	Bottom Edge	0	23780	709	21.00	20.33	116.68%	0.524	0.611	-
LTE Band 17			1	0	Right Edge	0	23800	711	22.00	21.42	114.29%	0.048	0.055	-
LTE Band 17			25	0	Right Edge	0	23780	709	21.00	20.33	116.68%	0.042	0.049	-
LTE Band 17			1	0	Left Edge	0	23800	711	22.00	21.42	114.29%	0.406	0.464	-
LTE Band 17			25	0	Left Edge	0	23780	709	21.00	20.33	116.68%	0.302	0.352	-
LTE Band 17			1	0	Bottom Edge*	0	23780	709	22.00	21.41	114.55%	0.571	0.654	-
LTE Band 66	20MHz	QPSK	1	0	Front Surface	0	132072	1720	22.00	21.99	100.23%	0.272	0.273	-
LTE Band 66			50	0	Front Surface	0	132072	1720	21.00	20.94	101.39%	0.224	0.227	-
LTE Band 66			1	0	Back Surface	0	132572	1770	21.00	20.59	109.90%	0.938	1.031	-
LTE Band 66			50	0	Back Surface	0	132572	1770	20.00	19.48	112.72%	0.766	0.863	-
LTE Band 66			1	0	Top Edge	0	132072	1720	22.00	21.99	100.23%	0.014	0.014	-
LTE Band 66			50	0	Top Edge	0	132072	1720	21.00	20.94	101.39%	0.012	0.012	-
LTE Band 66			1	0	Bottom Edge	0	132072	1720	21.00	20.12	122.46%	0.841	1.030	-
LTE Band 66			1	0	Bottom Edge	0	132322	1745	21.00	20.54	111.17%	1.000	1.112	022
LTE Band 66			1	0	Bottom Edge	0	132572	1770	21.00	20.59	109.90%	0.991	1.089	-
LTE Band 66			50	0	Bottom Edge	0	132572	1770	20.00	19.48	112.72%	0.765	0.862	-
LTE Band 66			1	0	Right Edge	0	132072	1720	22.00	21.99	100.23%	0.095	0.095	-
LTE Band 66			50	0	Right Edge	0	132072	1720	21.00	20.94	101.39%	0.072	0.073	-
LTE Band 66			1	0	Left Edge	0	132572	1770	21.00	20.59	109.90%	0.351	0.386	-
LTE Band 66			50	0	Left Edge	0	132572	1770	20.00	19.48	112.72%	0.276	0.311	-
LTE Band 66			1	0	Bottom Edge*	0	132322	1745	21.00	20.54	111.17%	0.526	0.585	-

Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 10g (W/kg)		ID
										Measured	Reported	
WLAN 802.11b	Main	Front Surface	0	1	2412	17.50	17.47	1.02	100.69%	0.314	0.322	-
WLAN 802.11b	Main	Back Surface	0	1	2412	17.50	17.47	1.02	100.69%	0.607	0.622	023
WLAN 802.11b	Main	Back Surface	0	6	2437	17.50	17.41	1.02	102.09%	0.576	0.598	-
WLAN 802.11b	Main	Back Surface	0	11	2462	17.50	17.46	1.02	100.93%	0.602	0.618	-
WLAN 802.11b	Main	Top Edge	0	1	2412	17.50	17.47	1.02	100.69%	0.173	0.177	-
WLAN 802.11b	Main	Bottom Edge	0	1	2412	17.50	17.47	1.02	100.69%	0.050	0.051	-
WLAN 802.11b	Main	Right Edge	0	1	2412	17.50	17.47	1.02	100.69%	0.082	0.084	-
WLAN 802.11b	Main	Left Edge	0	1	2412	17.50	17.47	1.02	100.69%	0.296	0.303	-
WLAN 802.11b	Main	Back Surface*	0	1	2412	17.50	17.47	1.02	100.69%	0.166	0.170	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 10g (W/kg)		ID
										Measured	Reported	
Bluetooth(GFSK)	Main	Front Surface	0	78	2480	13.50	13.37	1.30	103.04%	0.077	0.103	-
Bluetooth(GFSK)	Main	Back Surface	0	00	2402	13.50	12.70	1.30	120.23%	0.125	0.196	024
Bluetooth(GFSK)	Main	Back Surface	0	39	2441	13.50	12.89	1.30	115.08%	0.118	0.177	-
Bluetooth(GFSK)	Main	Back Surface	0	78	2480	13.50	13.37	1.30	103.04%	0.121	0.162	-
Bluetooth(GFSK)	Main	Top Edge	0	78	2480	13.50	13.37	1.30	103.04%	0.040	0.054	-
Bluetooth(GFSK)	Main	Bottom Edge	0	78	2480	13.50	13.37	1.30	103.04%	0.028	0.038	-
Bluetooth(GFSK)	Main	Right Edge	0	78	2480	13.50	13.37	1.30	103.04%	0.028	0.038	-
Bluetooth(GFSK)	Main	Left Edge	0	78	2480	13.50	13.37	1.30	103.04%	0.067	0.090	-
Bluetooth(GFSK)	Main	Back Surface*	0	00	2402	13.50	12.70	1.30	120.23%	0.030	0.047	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 10g (W/kg)		ID
										Measured	Reported	
WLAN 802.11a 5.2G	Main	Front Surface	0	36	5180	17.50	17.49	1.03	100.23%	0.099	0.102	-
WLAN 802.11a 5.2G	Main	Back Surface	0	36	5180	17.50	17.49	1.03	100.23%	0.447	0.462	-
WLAN 802.11a 5.2G	Main	Top Edge	0	36	5180	17.50	17.49	1.03	100.23%	0.103	0.106	-
WLAN 802.11a 5.2G	Main	Bottom Edge	0	36	5180	17.50	17.49	1.03	100.23%	0.049	0.051	-
WLAN 802.11a 5.2G	Main	Right Edge	0	36	5180	17.50	17.49	1.03	100.23%	0.039	0.040	-
WLAN 802.11a 5.2G	Main	Left Edge	0	36	5180	17.50	17.49	1.03	100.23%	0.638	0.659	025
WLAN 802.11a 5.2G	Main	Left Edge	0	40	5200	17.50	17.25	1.03	105.93%	0.483	0.527	-
WLAN 802.11a 5.2G	Main	Left Edge	0	44	5220	17.50	17.47	1.03	100.69%	0.482	0.500	-
WLAN 802.11a 5.2G	Main	Left Edge	0	48	5240	17.50	17.48	1.03	100.46%	0.360	0.373	-
WLAN 802.11a 5.2G	Main	Left Edge*	0	36	5180	17.50	17.49	1.03	100.23%	0.597	0.617	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 10g (W/kg)		ID
										Measured	Reported	
WLAN 802.11a 5.3G	Main	Front Surface	0	64	5320	17.50	17.49	1.03	100.23%	0.098	0.101	-
WLAN 802.11a 5.3G	Main	Back Surface	0	52	5260	17.50	17.35	1.03	103.51%	0.492	0.525	-
WLAN 802.11a 5.3G	Main	Back Surface	0	56	5280	17.50	17.48	1.03	100.46%	0.560	0.580	-
WLAN 802.11a 5.3G	Main	Back Surface	0	60	5300	17.50	17.48	1.03	100.46%	0.561	0.581	-
WLAN 802.11a 5.3G	Main	Back Surface	0	64	5320	17.50	17.49	1.03	100.23%	0.573	0.592	026
WLAN 802.11a 5.3G	Main	Top Edge	0	64	5320	17.50	17.49	1.03	100.23%	0.156	0.161	-
WLAN 802.11a 5.3G	Main	Bottom Edge	0	64	5320	17.50	17.49	1.03	100.23%	0.053	0.055	-
WLAN 802.11a 5.3G	Main	Right Edge	0	64	5320	17.50	17.49	1.03	100.23%	0.044	0.045	-
WLAN 802.11a 5.3G	Main	Left Edge	0	64	5320	17.50	17.49	1.03	100.23%	0.559	0.578	-
WLAN 802.11a 5.3G	Main	Back Surface*	0	64	5320	17.50	17.49	1.03	100.23%	0.555	0.574	-

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Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 10g (W/kg)		ID
										Measured	Reported	
WLAN 802.11a 5.6G	Main	Front Surface	0	144	5720	17.50	17.49	1.03	100.23%	0.121	0.125	-
WLAN 802.11a 5.6G	Main	Back Surface	0	144	5720	17.50	17.49	1.03	100.23%	0.543	0.561	-
WLAN 802.11a 5.6G	Main	Top Edge	0	144	5720	17.50	17.49	1.03	100.23%	0.117	0.121	-
WLAN 802.11a 5.6G	Main	Bottom Edge	0	144	5720	17.50	17.49	1.03	100.23%	0.060	0.062	-
WLAN 802.11a 5.6G	Main	Right Edge	0	144	5720	17.50	17.49	1.03	100.23%	0.016	0.017	-
WLAN 802.11a 5.6G	Main	Left Edge	0	100	5500	17.50	17.46	1.03	100.93%	0.564	0.587	-
WLAN 802.11a 5.6G	Main	Left Edge	0	120	5600	17.50	17.47	1.03	100.69%	0.864	0.897	027
WLAN 802.11a 5.6G	Main	Left Edge	0	140	5700	17.50	17.45	1.03	101.16%	0.608	0.634	-
WLAN 802.11a 5.6G	Main	Left Edge	0	144	5720	17.50	17.49	1.03	100.23%	0.600	0.620	-
WLAN 802.11a 5.6G	Main	Left Edge*	0	120	5600	17.50	17.47	1.03	100.69%	0.777	0.807	-
Band	Antenna	Position	Distance (mm)	Channel	Freq. (MHz)	Max. Rated Avg. Power + Max. Tolerance (dBm)	Measured Avg. Power (dBm)	Duty cycle scaling	Power scaling	Averaged SAR over 10g (W/kg)		ID
										Measured	Reported	
WLAN 802.11a 5.8G	Main	Front Surface	0	149	5745	17.50	17.48	1.03	100.46%	0.106	0.110	-
WLAN 802.11a 5.8G	Main	Back Surface	0	149	5745	17.50	17.48	1.03	100.46%	0.491	0.509	-
WLAN 802.11a 5.8G	Main	Top Edge	0	149	5745	17.50	17.48	1.03	100.46%	0.115	0.119	-
WLAN 802.11a 5.8G	Main	Bottom Edge	0	149	5745	17.50	17.48	1.03	100.46%	0.064	0.066	-
WLAN 802.11a 5.8G	Main	Right Edge	0	149	5745	17.50	17.48	1.03	100.46%	0.014	0.015	-
WLAN 802.11a 5.8G	Main	Left Edge	0	149	5745	17.50	17.48	1.03	100.46%	0.649	0.672	028
WLAN 802.11a 5.8G	Main	Left Edge	0	157	5785	17.50	17.38	1.03	102.80%	0.469	0.497	-
WLAN 802.11a 5.8G	Main	Left Edge	0	165	5825	17.50	17.41	1.03	102.09%	0.513	0.540	-
WLAN 802.11a 5.8G	Main	Left Edge*	0	149	5745	17.50	17.48	1.03	100.46%	0.579	0.600	-

Body

Band	Antenna	Position	Distance (mm)	Freq. (MHz)	Averaged SAR over 1g (W/kg)	ID
					Measured	
NFC	Main	Front Surface	5	13.56	0.021	034
NFC	Main	Back Surface	5	13.56	0.002	-
NFC	Main	Top Edge	5	13.56	0.001	-
NFC	Main	Bottom Edge	5	13.56	0.001	-
NFC	Main	Right Edge	5	13.56	0.007	-
NFC	Main	Left Edge	5	13.56	0.007	-
NFC	Main	Front Surface*	5	13.56	0.015	-

Limb

Band	Antenna	Position	Distance (mm)	Freq. (MHz)	Averaged SAR over 10g (W/kg)	ID
					Measured	
NFC	Main	Front Surface	0	13.56	0.032	035
NFC	Main	Back Surface	0	13.56	0.003	-
NFC	Main	Top Edge	0	13.56	0.002	-
NFC	Main	Bottom Edge	0	13.56	0.001	-
NFC	Main	Right Edge	0	13.56	0.010	-
NFC	Main	Left Edge	0	13.56	0.013	-
NFC	Main	Front Surface*	0	13.56	0.030	-

Note: * - Spot Check with Scanner Sample.

Note: * - repeated at the highest SAR measurement according to the KDB 865664 D01

Note:

Reported SAR = measured SAR * Power scaling * Duty cycle scaling

7.3 Reporting statements of conformity

The conformity statement in this report is based solely on the test results, measurement uncertainty is excluded.

7.4 Conclusion

The device is compliant because all the standalone results are less than their corresponding criteria.

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8 SIMULTANEOUS TRANSMISSION ANALYSIS

8.1 Simultaneous Transmission Scenarios:

Simultaneous Transmission configurations
WWAN + BT Main + NFC
WWAN + WLAN 2.4GHz Main + NFC
WWAN + WLAN 5GHz Main + NFC

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8.2 Estimated SAR calculation

According to KDB447498 D01v06 – When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

$$\text{Estimated SAR} = \frac{\text{Max. tune up power (mW)}}{\text{Min. test separation distance(mm)}} \times \frac{\sqrt{f(\text{GHz})}}{7.5}$$

If the minimum test separation distance is < 5mm, a distance of 5mm is used for estimated SAR calculation. When the test separation distance is >50mm, the 0.4W/kg is used for SAR-1g.

8.3 SPLSR evaluation and analysis

Per KDB447498D01, when the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR sum to peak location separation ratio(SPLSR).

The simultaneous transmitting antennas in each operating mode and exposure condition combination must be considered one pair at a time to determine the SAR to peak location separation ratio to qualify for test exclusion.

The ratio is determined by $(\text{SAR1} + \text{SAR2})^{1.5}/R_i$, rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion.

SAR1 and SAR2 are the highest reported or estimated SAR for each antenna in the pair, and R_i is the separation distance between the peak SAR locations for the antenna pair in mm.

When standalone test exclusion applies, SAR is estimated; the peak location is assumed to be at the feed-point or geometric center of the antenna.

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Simultaneous Transmission Combination

Body

	Exposure Position		FCC Reported SAR					Scenario 1	Scenario 2	Scenario 3
			1	2	4	6	7	1+2+7	1+4+7	1+6+7
			WWAN	2.4GHz WLAN Main	5GHz WLAN Main	Bluetooth Main	NFC	Summed	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2	Front Surface	5	0.188	0.296	0.208	0.076	0.021	0.505	0.417	0.285
	Back Surface	5	1.187	0.545	0.574	0.197	0.002	1.734	1.763	1.386
	Top Edge	5	0.016	0.165	0.273	0.052	0.001	0.182	0.290	0.069
	Bottom Edge	5	0.736	0.083	0.144	0.048	0.001	0.820	0.881	0.785
	Right Edge	5	0.052	0.107	0.092	0.042	0.007	0.166	0.151	0.101
LTE Band 4	Left Edge	5	0.287	0.317	1.100	0.084	0.007	0.611	1.394	0.378
	Front Surface	5	0.141	0.296	0.208	0.076	0.021	0.458	0.370	0.238
	Back Surface	5	0.889	0.545	0.574	0.197	0.002	1.436	1.465	1.088
	Top Edge	5	0.013	0.165	0.273	0.052	0.001	0.179	0.287	0.066
	Bottom Edge	5	1.064	0.083	0.144	0.048	0.001	1.148	1.209	1.113
LTE Band 5	Right Edge	5	0.047	0.107	0.092	0.042	0.007	0.161	0.146	0.096
	Left Edge	5	0.317	0.317	1.100	0.084	0.007	0.641	1.424	0.408
	Front Surface	5	0.392	0.296	0.208	0.076	0.021	0.709	0.621	0.489
	Back Surface	5	0.468	0.545	0.574	0.197	0.002	1.015	1.044	0.667
	Top Edge	5	0.023	0.165	0.273	0.052	0.001	0.189	0.297	0.076
LTE Band 12	Bottom Edge	5	0.720	0.083	0.144	0.048	0.001	0.804	0.865	0.769
	Right Edge	5	0.164	0.107	0.092	0.042	0.007	0.278	0.263	0.213
	Left Edge	5	0.277	0.317	1.100	0.084	0.007	0.601	1.384	0.368
	Front Surface	5	0.195	0.296	0.208	0.076	0.021	0.512	0.424	0.292
	Back Surface	5	0.276	0.545	0.574	0.197	0.002	0.823	0.852	0.475
LTE Band 13	Top Edge	5	0.011	0.165	0.273	0.052	0.001	0.177	0.285	0.064
	Bottom Edge	5	0.390	0.083	0.144	0.048	0.001	0.474	0.535	0.439
	Right Edge	5	0.111	0.107	0.092	0.042	0.007	0.225	0.210	0.160
	Left Edge	5	0.206	0.317	1.100	0.084	0.007	0.530	1.313	0.297
	Front Surface	5	0.338	0.296	0.208	0.076	0.021	0.655	0.567	0.435
LTE Band 17	Back Surface	5	0.390	0.545	0.574	0.197	0.002	0.937	0.966	0.589
	Top Edge	5	0.016	0.165	0.273	0.052	0.001	0.182	0.290	0.069
	Bottom Edge	5	0.653	0.083	0.144	0.048	0.001	0.737	0.798	0.702
	Right Edge	5	0.197	0.107	0.092	0.042	0.007	0.311	0.296	0.246
	Left Edge	5	0.230	0.317	1.100	0.084	0.007	0.554	1.337	0.321
LTE Band 66	Front Surface	5	0.207	0.296	0.208	0.076	0.021	0.524	0.436	0.304
	Back Surface	5	0.291	0.545	0.574	0.197	0.002	0.838	0.867	0.490
	Top Edge	5	0.010	0.165	0.273	0.052	0.001	0.176	0.284	0.063
	Bottom Edge	5	0.421	0.083	0.144	0.048	0.001	0.505	0.566	0.470
	Right Edge	5	0.115	0.107	0.092	0.042	0.007	0.229	0.214	0.164
LTE Band 66	Left Edge	5	0.208	0.317	1.100	0.084	0.007	0.532	1.315	0.299
	Front Surface	5	0.113	0.296	0.208	0.076	0.021	0.430	0.342	0.210
	Back Surface	5	0.902	0.545	0.574	0.197	0.002	1.449	1.478	1.101
	Top Edge	5	0.011	0.165	0.273	0.052	0.001	0.177	0.285	0.064
	Bottom Edge	5	1.061	0.083	0.144	0.048	0.001	1.145	1.206	1.110
LTE Band 66	Right Edge	5	0.050	0.107	0.092	0.042	0.007	0.164	0.149	0.099
	Left Edge	5	0.275	0.317	1.100	0.084	0.007	0.599	1.382	0.366

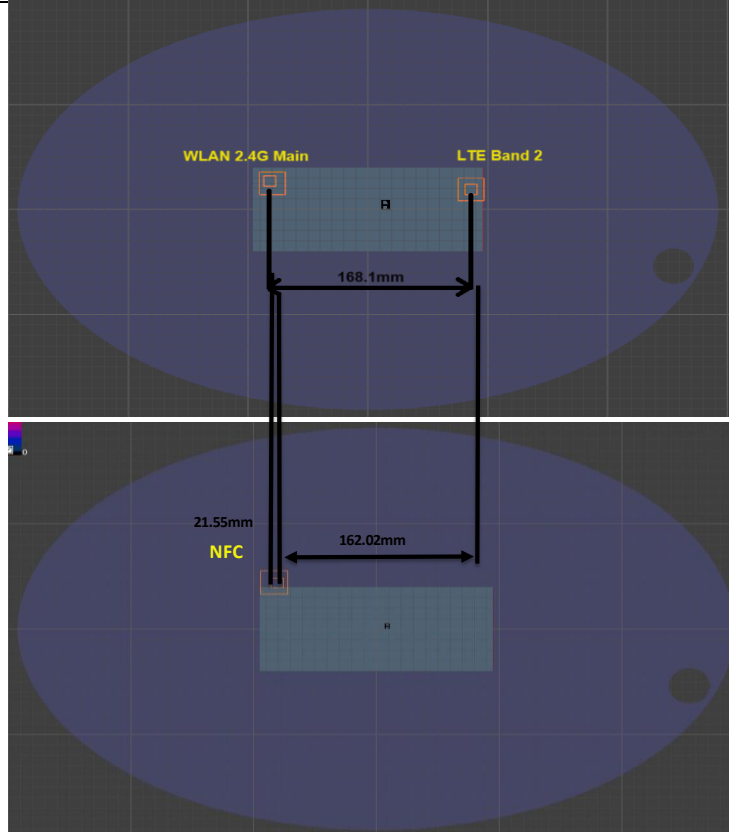
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SPLSR

Scenario 1									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back Surface	WLAN 2.4G Main	0.545	-2.55	-8.25	-17.70	-	-	-	-
	LTE Band 2	1.187	-1.74	8.54	-17.70	1.732	168.10	0.014	SPLSR $\leq$ 0.04, Not required
	NFC	0.002	-4.50	-7.42	-17.31	0.547	21.55	0.019	SPLSR $\leq$ 0.04, Not required
	NFC	0.002	-4.50	-7.42	-17.31	0.547	162.02	0.002	SPLSR $\leq$ 0.04, Not required



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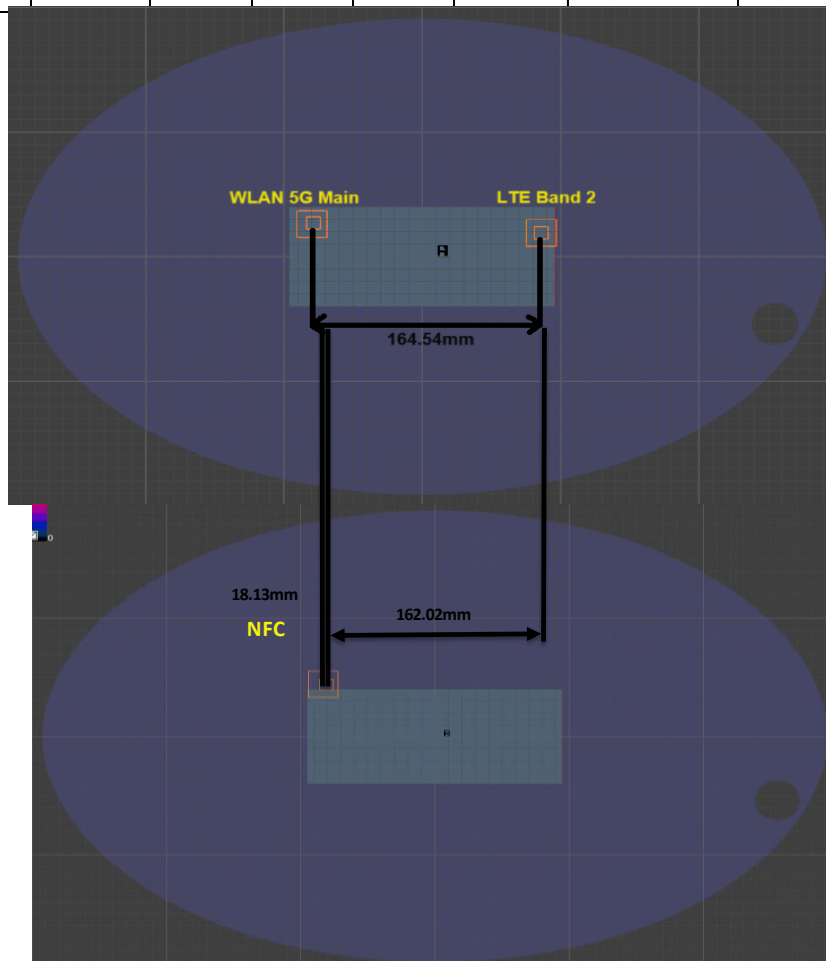
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Scenario 2									
Position	Conditions	SAR Value (W/kg)	Coordinates (cm)			Σ SAR (W/kg)	Peak Location Separation Distance (mm)	SPLSR	Simultaneous Transmission SAR Test
			x	y	z				
Back Surface	WLAN 5G Main	0.574	-2.79	-7.88	-17.70	-	-	-	-
	LTE Band 2	1.187	-1.74	8.54	-17.70	1.761	164.54	0.014	SPLSR $\leq$ 0.04, Not required
	NFC	0.002	-4.50	-7.42	-17.31	0.576	18.13	0.024	SPLSR $\leq$ 0.04, Not required
	NFC	0.002	-4.50	-7.42	-17.31	0.576	162.02	0.003	SPLSR $\leq$ 0.04, Not required



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Limb

	Exposure Position		FCC Reported SAR					Scenario 1	Scenario 2	Scenario 3
			1	2	4	6	7	1+2+7	1+4+7	1+6+7
			WWAN	2.4GHz WLAN Main	5GHz WLAN Main	Bluetooth Main	NFC	Summed	Summed	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
LTE Band 2	Front Surface	0	0.262	0.322	0.125	0.103	0.032	0.616	0.419	0.397
	Back Surface	0	1.176	0.622	0.592	0.196	0.003	1.801	1.771	1.375
	Top Edge	0	0.015	0.177	0.161	0.054	0.002	0.194	0.178	0.071
	Bottom Edge	0	0.808	0.051	0.066	0.038	0.001	0.860	0.875	0.847
	Right Edge	0	0.038	0.084	0.045	0.038	0.010	0.132	0.093	0.086
	Left Edge	0	0.359	0.303	0.897	0.090	0.013	0.675	1.269	0.462
LTE Band 4	Front Surface	0	0.188	0.322	0.125	0.103	0.032	0.542	0.345	0.323
	Back Surface	0	0.876	0.622	0.592	0.196	0.003	1.501	1.471	1.075
	Top Edge	0	0.012	0.177	0.161	0.054	0.002	0.191	0.175	0.068
	Bottom Edge	0	1.167	0.051	0.066	0.038	0.001	1.219	1.234	1.206
	Right Edge	0	0.052	0.084	0.045	0.038	0.010	0.146	0.107	0.100
	Left Edge	0	0.445	0.303	0.897	0.090	0.013	0.761	1.355	0.548
LTE Band 5	Front Surface	0	0.440	0.322	0.125	0.103	0.032	0.794	0.597	0.575
	Back Surface	0	0.339	0.622	0.592	0.196	0.003	0.964	0.934	0.538
	Top Edge	0	0.027	0.177	0.161	0.054	0.002	0.206	0.190	0.083
	Bottom Edge	0	0.545	0.051	0.066	0.038	0.001	0.597	0.612	0.584
	Right Edge	0	0.071	0.084	0.045	0.038	0.010	0.165	0.126	0.119
	Left Edge	0	0.281	0.303	0.897	0.090	0.013	0.597	1.191	0.384
LTE Band 12	Front Surface	0	0.298	0.322	0.125	0.103	0.032	0.652	0.455	0.433
	Back Surface	0	0.625	0.622	0.592	0.196	0.003	1.250	1.220	0.824
	Top Edge	0	0.018	0.177	0.161	0.054	0.002	0.197	0.181	0.074
	Bottom Edge	0	0.727	0.051	0.066	0.038	0.001	0.779	0.794	0.766
	Right Edge	0	0.060	0.084	0.045	0.038	0.010	0.154	0.115	0.108
	Left Edge	0	0.477	0.303	0.897	0.090	0.013	0.793	1.387	0.580
LTE Band 13	Front Surface	0	0.415	0.322	0.125	0.103	0.032	0.769	0.572	0.550
	Back Surface	0	0.444	0.622	0.592	0.196	0.003	1.069	1.039	0.643
	Top Edge	0	0.022	0.177	0.161	0.054	0.002	0.201	0.185	0.078
	Bottom Edge	0	0.601	0.051	0.066	0.038	0.001	0.653	0.668	0.640
	Right Edge	0	0.071	0.084	0.045	0.038	0.010	0.165	0.126	0.119
	Left Edge	0	0.407	0.303	0.897	0.090	0.013	0.723	1.317	0.510
LTE Band 17	Front Surface	0	0.313	0.322	0.125	0.103	0.032	0.667	0.470	0.448
	Back Surface	0	0.587	0.622	0.592	0.196	0.003	1.212	1.182	0.786
	Top Edge	0	0.017	0.177	0.161	0.054	0.002	0.196	0.180	0.073
	Bottom Edge	0	0.708	0.051	0.066	0.038	0.001	0.760	0.775	0.747
	Right Edge	0	0.055	0.084	0.045	0.038	0.010	0.149	0.110	0.103
	Left Edge	0	0.464	0.303	0.897	0.090	0.013	0.780	1.374	0.567
LTE Band 66	Front Surface	0	0.273	0.322	0.125	0.103	0.032	0.627	0.430	0.408
	Back Surface	0	1.031	0.622	0.592	0.196	0.003	1.656	1.626	1.230
	Top Edge	0	0.014	0.177	0.161	0.054	0.002	0.193	0.177	0.070
	Bottom Edge	0	1.112	0.051	0.066	0.038	0.001	1.164	1.179	1.151
	Right Edge	0	0.095	0.084	0.045	0.038	0.010	0.189	0.150	0.143
	Left Edge	0	0.386	0.303	0.897	0.090	0.013	0.702	1.296	0.489

8.4 Conclusion

The simultaneous transmission is compliant because both SAR sum and/or SPLSR are less than their corresponding criteria.

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9 INSTRUMENTS LIST

Equipment List					
Manufacturer	Device	Type	Serial number	Date of last calibration	Date of next calibration
SPEAG	Data acquisition Electronics	DAE4	1824	Jul/14/2025	Jul/13/2026
SPEAG	Data acquisition Electronics	DAE4	547	Jan/15/2026	Jan/14/2027
SPEAG	Dosimetric E-Field Probe	EX3DV4	7712	Mar/30/2026	Mar/29/2027
SPEAG	Dosimetric E-Field Probe	EX3DV4	7466	Feb/25/2026	Feb/24/2027
SPEAG	System Validation Dipole	CLA13	1027	Sep/08/2025	Sep/07/2028
SPEAG	System Validation Dipole	D750V3	1015	Sep/26/2025	Sep/25/2028
SPEAG	System Validation Dipole	D835V2	4d063	Sep/09/2025	Sep/08/2028
SPEAG	System Validation Dipole	D1750V2	1008	Sep/28/2025	Sep/27/2028
SPEAG	System Validation Dipole	D1900V2	5d173	Apr/16/2025	Apr/15/2028
SPEAG	System Validation Dipole	D2450V2	727	Apr/15/2025	Apr/14/2028
SPEAG	System Validation Dipole	D5GHzV2	1349	Mar/19/2024	Mar/18/2027
Keysight	EXA Signal Analyzer	N9010B	MY60242392	Dec/24/2025	Dec/23/2026
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/19/2026	Feb/18/2027
R&S	MXG Analog Signal Generator	SMB100A03	182996	Apr/09/2026	Apr/08/2027
Agilent	Dual-directional coupler	772D	MY46151258	Oct/08/2025	Oct/07/2026
Agilent	Dual-directional coupler	778D	MY46151242	Sep/09/2025	Sep/08/2026
EMCI	Amplifier	EMC 074225P	980155	Calibration not required	Calibration not required
EMCI	Amplifier	EMC 2830P	980156	Calibration not required	Calibration not required
R&S	Power Meter	NRX	102034	Dec/29/2025	Dec/28/2026
R&S	Power Sensor	NRP18S	101974	Nov/26/2025	Nov/25/2026
R&S	Power Sensor	NRP8S	109066	Nov/03/2025	Nov/02/2026
SPEAG	Software	DASY 8 V16.0.2.83	N/A	Calibration not required	Calibration not required
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required
Anritsu	Radio Communication Test	MT8820C	6201061049	Nov/29/2025	Nov/28/2026
TECEP	Digital thermometer	HTC-1	EC24020203	Apr/14/2026	Apr/13/2027

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10 UNCERTAINTY BUDGET

Measurement Uncertainty evaluation template for DUT SAR test (3-6G)

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.55%	N	1	1	1	1	6.55%	6.55%	∞
<i>Isotropy, Axial</i>	3.50%	R	√3	1.732	1	1	2.02%	2.02%	∞
<i>Isotropy, Hemispherical</i>	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	3.00%	N	1	1	0.64	0.43	1.92%	1.29%	M
Liquid Conductivity (mea.)	2.93%	N	1	1	0.6	0.49	1.76%	1.44%	M
Combined standard uncertainty		RSS					12.00%	11.86%	
Expanded uncertainty (95% confidence interval), K=2							24.00%	23.73%	

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Measurement Uncertainty evaluation template for DUT SAR test (0.3-3G)

A	c	D	e		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.00%	N	1	1	1	1	6.00%	6.00%	∞
<i>Isotropy, Axial</i>	3.50%	R	$\sqrt{3}$	1.732	1	1	2.02%	2.02%	∞
<i>Isotropy, Hemispherical</i>	9.60%	R	$\sqrt{3}$	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	$\sqrt{3}$	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	$\sqrt{3}$	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	$\sqrt{3}$	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	$\sqrt{3}$	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	$\sqrt{3}$	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	$\sqrt{3}$	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	$\sqrt{3}$	1.732	1	1	1.73%	1.73%	∞
Probe positioner	0.40%	R	$\sqrt{3}$	1.732	1	1	0.23%	0.23%	∞
Mechanical restrictions									
Probe Positioning with respect to phantom shell	2.90%	R	$\sqrt{3}$	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	$\sqrt{3}$	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	$\sqrt{3}$	1.732	1	1	2.89%	2.89%	∞
Phantom and Setup									
Phantom Uncertainty	4.00%	R	$\sqrt{3}$	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	3.60%	N	1	1	0.64	0.43	2.30%	1.55%	M
Liquid Conductivity (mea.)	2.82%	N	1	1	0.6	0.49	1.69%	1.38%	M
Combined standard uncertainty		RSS					11.77%	11.60%	
Expart uncertainty (95% confidence interval), K=2							23.54%	23.19%	

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11 SAR MEASUREMENT RESULTS

ID: 001

Report No. :TESA2605000311EN

Measurement Report_LTE Band 2 (20MHz)_Body_Back Surface_CH 19100_QPSK_1-0_5mm

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Back Surface, 5.00	1900.000, 19100	7.83	1.381	41.118

Hardware Setup

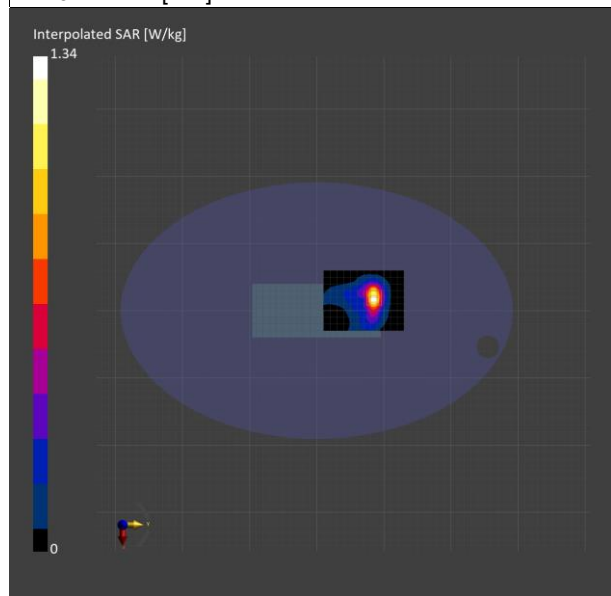
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-18	2026-05-18
psSAR1g [W/kg]	1.03	1.10
psSAR8g [W/kg]	0.578	0.649
psSAR10g [W/kg]	0.528	0.599
Power Drift [dB]	0.13	0.08
M2/M1 [%]		89.5
Dist 3dB Peak [mm]		9.7



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ID: 002

Report No. :TESA2605000311EN

Measurement Report_LTE Band 4 (20MHz)_Body_Bottom Edge_CH 20300_QPSK_1-0_5mm

Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Edge, 5.00	1745.000, 20300	8.28	1.336	41.197

Hardware Setup

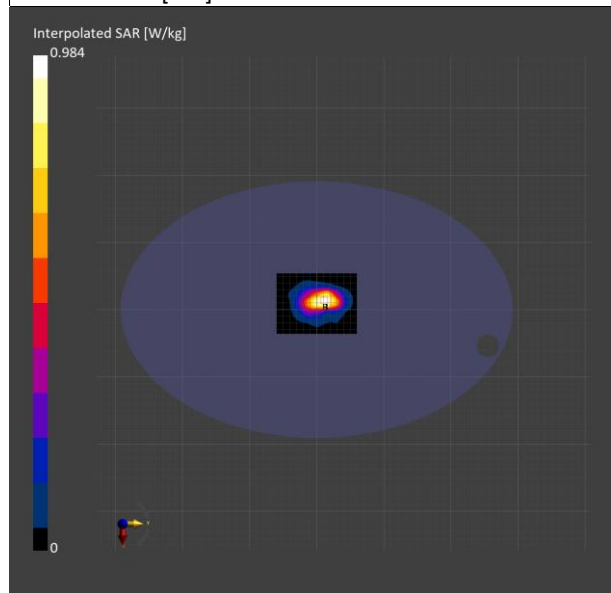
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-17	2026-05-17
psSAR1g [W/kg]	0.830	1.04
psSAR8g [W/kg]	0.512	0.616
psSAR10g [W/kg]	0.475	0.572
Power Drift [dB]	0.11	0.02
M2/M1 [%]		81.7
Dist 3dB Peak [mm]		8.4



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ID: 003

Report No. :TESA2605000311EN

Measurement Report_LTE Band 5 (10MHz)_Body_Bottom Edge_CH 20450_QPSK_1-0_5mm

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Edge, 5.00	829.000, 20450	9.64	0.924	43.021

Hardware Setup

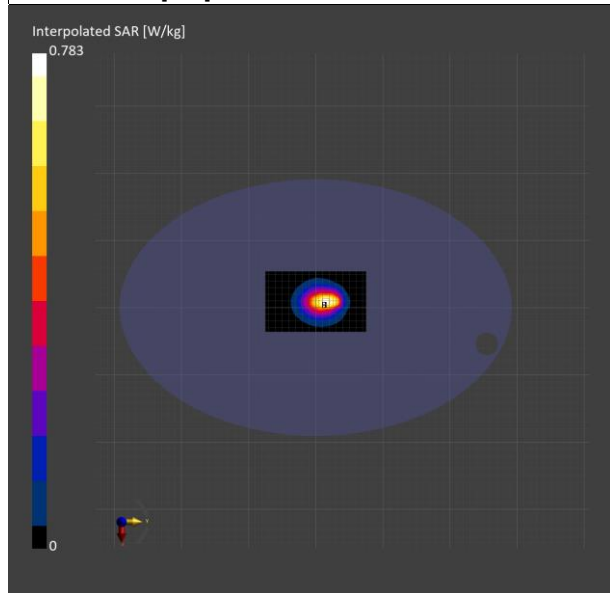
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-16	2026-05-16
psSAR1g [W/kg]	0.658	0.667
psSAR8g [W/kg]	0.430	0.410
psSAR10g [W/kg]	0.402	0.384
Power Drift [dB]	0.03	-0.08
M2/M1 [%]		76.9
Dist 3dB Peak [mm]		8.8



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ID: 004

Report No. :TESA2605000311EN

Measurement Report_LTE Band 12 (10MHz)_Body_Bottom Edge_CH 23095_QPSK_1-0_5mm

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Edge, 5.00	707.500, 23095	9.96	0.905	43.575

Hardware Setup

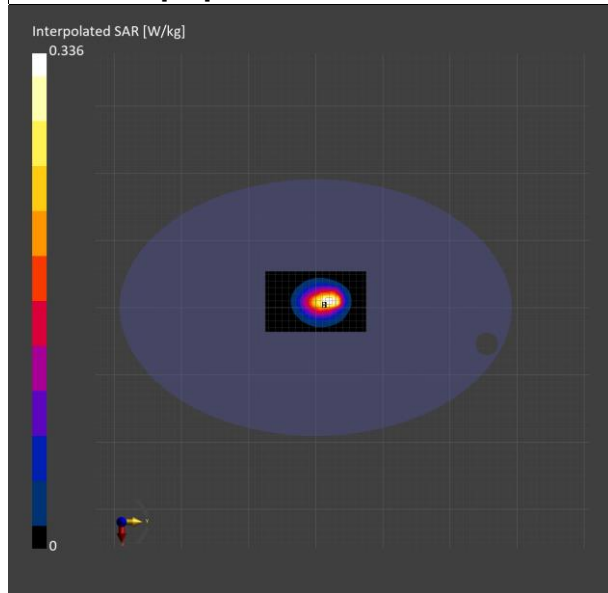
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-15	2026-05-15
psSAR1g [W/kg]	0.294	0.321
psSAR8g [W/kg]	0.197	0.186
psSAR10g [W/kg]	0.184	0.172
Power Drift [dB]	0.04	0.01
M2/M1 [%]		66.3
Dist 3dB Peak [mm]		8.7



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ID: 005

Report No. :TESA2605000311EN

Measurement Report_LTE Band 13 (10MHz)_Body_Bottom Edge_CH 23230_QPSK_1-0_5mm

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Edge, 5.00	782.000, 23230	9.96	0.918	43.173

Hardware Setup

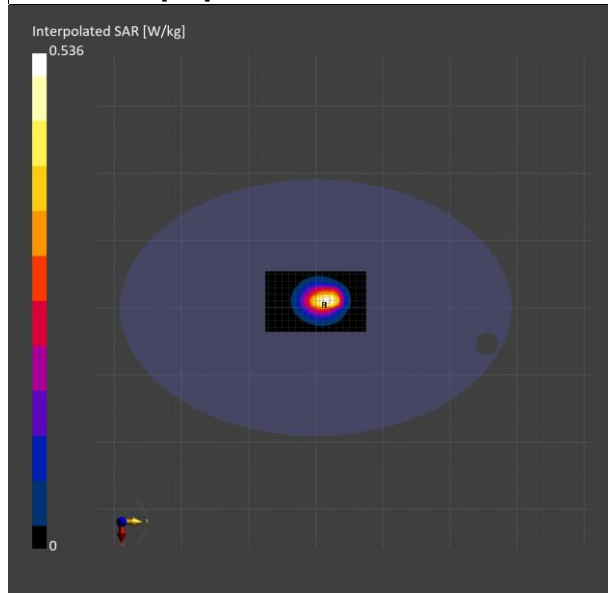
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-15	2026-05-15
psSAR1g [W/kg]	0.458	0.516
psSAR8g [W/kg]	0.309	0.308
psSAR10g [W/kg]	0.290	0.288
Power Drift [dB]	-0.00	0.03
M2/M1 [%]		72.5
Dist 3dB Peak [mm]		8.8



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ID: 006

Report No. :TESA2605000311EN

Measurement Report_LTE Band 17 (10MHz)_Body_Bottom Edge_CH 23800_QPSK_1-0_5mm

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Edge, 5.00	711.000, 23800	9.96	0.911	43.535

Hardware Setup

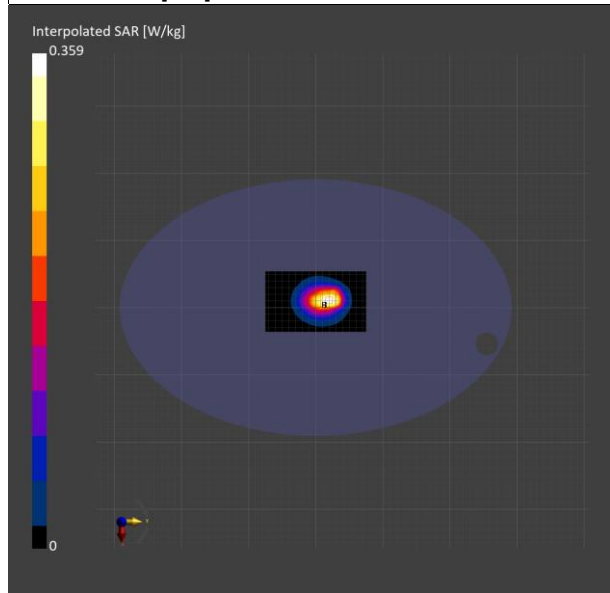
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-15	2026-05-15
psSAR1g [W/kg]	0.315	0.368
psSAR8g [W/kg]	0.214	0.214
psSAR10g [W/kg]	0.202	0.199
Power Drift [dB]	0.03	0.02
M2/M1 [%]		70.3
Dist 3dB Peak [mm]		8.4



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ID: 007

Report No. :TESA2605000311EN

Measurement Report_LTE Band 66 (20MHz)_Body_Bottom Edge_CH 132322_QPSK_1-0_5mm

Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Edge, 5.00	1745.000, 132322	8.28	1.336	41.197

Hardware Setup

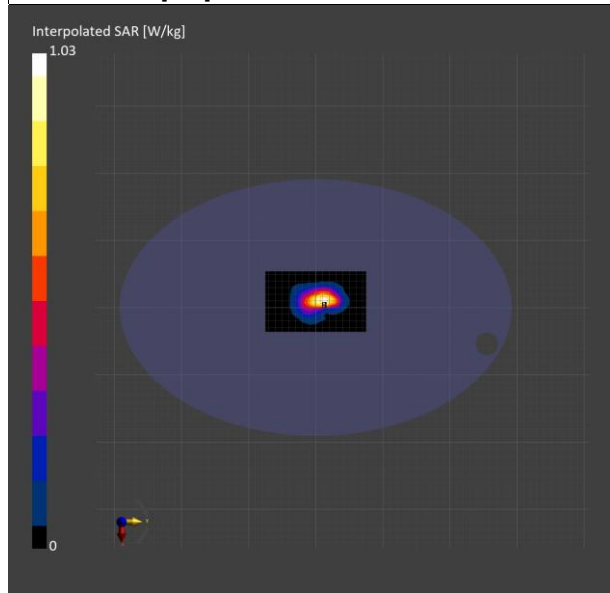
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-17	2026-05-17
psSAR1g [W/kg]	0.826	0.940
psSAR8g [W/kg]	0.487	0.551
psSAR10g [W/kg]	0.449	0.511
Power Drift [dB]	0.04	-0.03
M2/M1 [%]		83.6
Dist 3dB Peak [mm]		8.1



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ID: 008

Report No. :TESA2605000311EN

Measurement Report_WLAN 802.11b_Body_Back Surface_CH 1_5mm_Main

Ambient temperature: 22.3°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Back Surface, 5.00	2412.000, 1	7.12	1.794	40.598

Hardware Setup

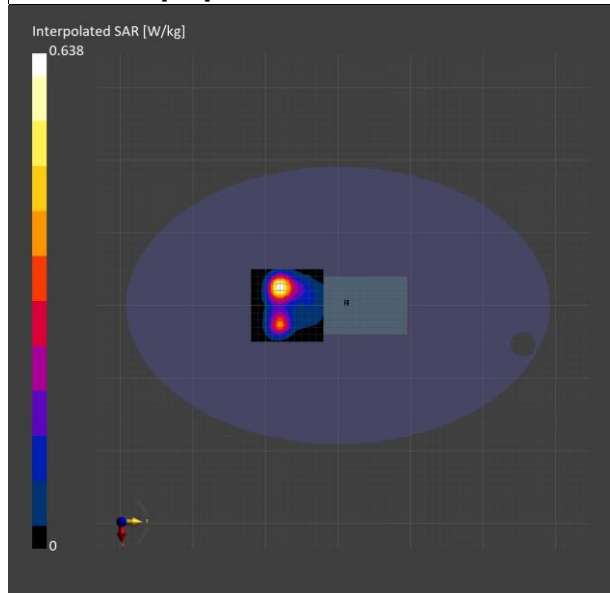
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-18	2026-05-18
psSAR1g [W/kg]	0.501	0.532
psSAR8g [W/kg]	0.278	0.302
psSAR10g [W/kg]	0.255	0.278
Power Drift [dB]	-0.03	-0.03
M2/M1 [%]		82.6
Dist 3dB Peak [mm]		11.0



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ID: 009

Report No. :TESA2605000311EN

Measurement Report_Bluetooth(GFSK)_Body_Back Surface_CH 0_5mm_Main

Ambient temperature: 22.3°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Back Surface, 5.00	2402.000, 0	7.12	1.776	40.615

Hardware Setup

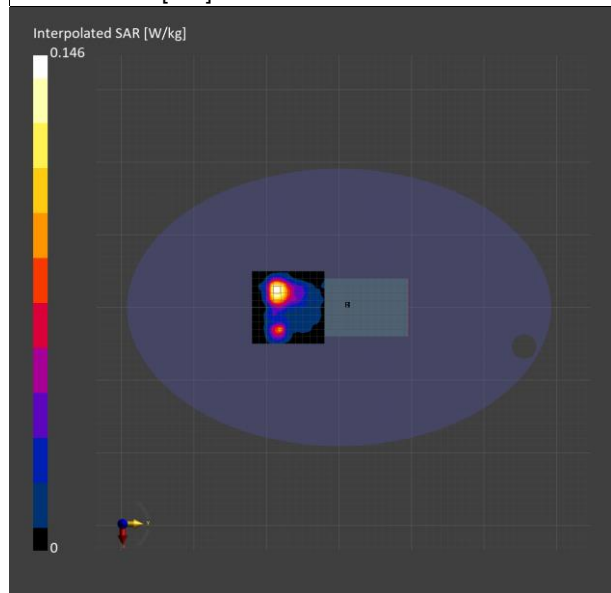
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-18	2026-05-18
psSAR1g [W/kg]	0.117	0.126
psSAR8g [W/kg]	0.066	0.068
psSAR10g [W/kg]	0.060	0.062
Power Drift [dB]	-0.10	0.05
M2/M1 [%]		76.5
Dist 3dB Peak [mm]		10.1



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ID: 010

Report No. :TESA2605000311EN

Measurement Report_WLAN 802.11a 5.2G_Body_Left Edge_CH 36_5mm_Main

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Left Edge, 5.00	5180.000, 36	5.63	4.503	34.969

Hardware Setup

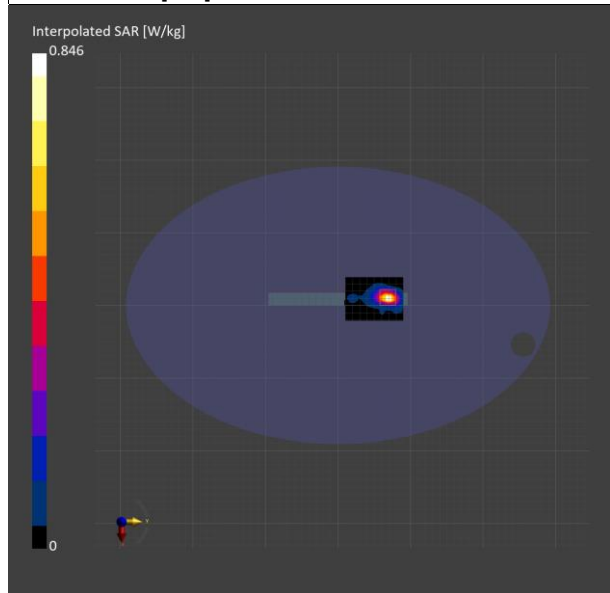
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-19	2026-05-19
psSAR1g [W/kg]	0.543	0.672
psSAR8g [W/kg]	0.199	0.242
psSAR10g [W/kg]	0.174	0.210
Power Drift [dB]	0.16	-0.04
M2/M1 [%]		65.3
Dist 3dB Peak [mm]		6.9



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ID: 011

Report No. :TESA2605000311EN

Measurement Report_WLAN 802.11a 5.3G_Body_Left Edge_CH 56_5mm_Main

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Left Edge, 5.00	5280.000, 56	5.63	4.626	34.965

Hardware Setup

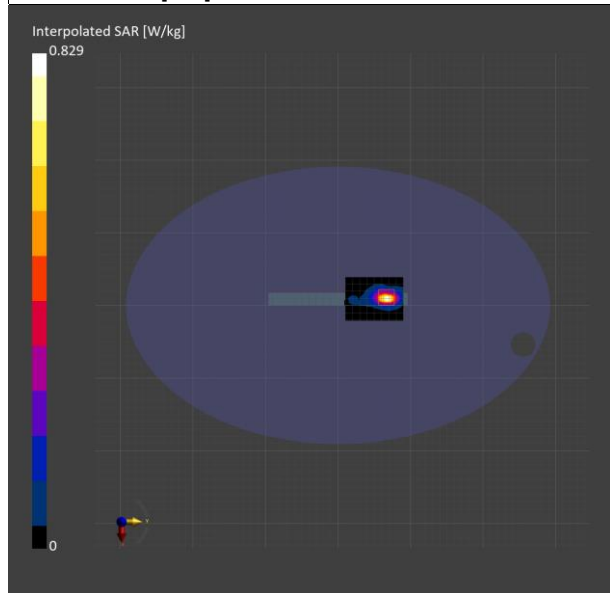
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-19	2026-05-19
psSAR1g [W/kg]	0.543	0.678
psSAR8g [W/kg]	0.199	0.237
psSAR10g [W/kg]	0.174	0.205
Power Drift [dB]	-0.04	-0.14
M2/M1 [%]		64.6
Dist 3dB Peak [mm]		6.9



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ID: 012

Report No. :TESA2605000311EN

Measurement Report_WLAN 802.11a 5.6G_Body_Left Edge_CH 120_5mm_Main

Ambient temperature: 22.4°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Left Edge, 5.00	5600.000, 120	5.13	4.956	34.445

Hardware Setup

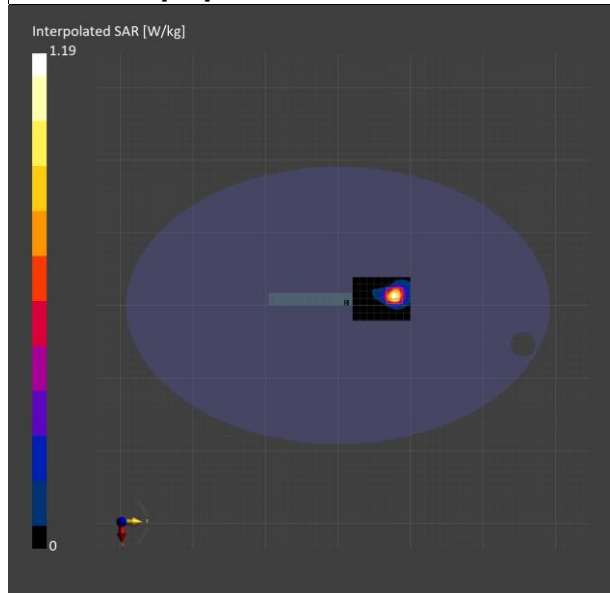
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-19	2026-05-19
psSAR1g [W/kg]	0.869	1.06
psSAR8g [W/kg]	0.329	0.366
psSAR10g [W/kg]	0.287	0.316
Power Drift [dB]	0.04	-0.03
M2/M1 [%]		63.9
Dist 3dB Peak [mm]		7.2



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ID: 013

Report No. :TESA2605000311EN

Measurement Report_WLAN 802.11a 5.8G_Body_Left Edge_CH 149_5mm_Main

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Left Edge, 5.00	5745.000, 149	5.3	5.102	34.297

Hardware Setup

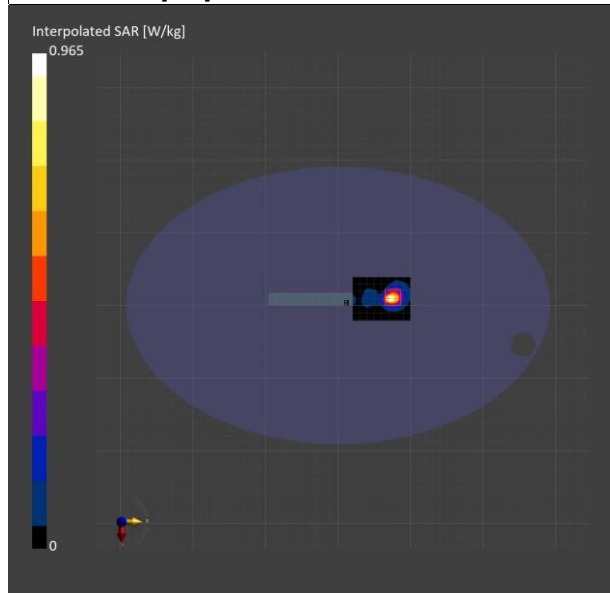
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-20	2026-05-20
psSAR1g [W/kg]	0.660	0.764
psSAR8g [W/kg]	0.239	0.267
psSAR10g [W/kg]	0.208	0.231
Power Drift [dB]	-0.10	-0.13
M2/M1 [%]		61.0
Dist 3dB Peak [mm]		6.8



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ID: 016

Report No. :TESA2605000311EN

Measurement Report_LTE Band 2 (20MHz)_Limb_Back Surface_CH 19100_QPSK_1-0_0mm

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Back Surface, 0.00	1900.000, 19100	7.83	1.381	41.118

Hardware Setup

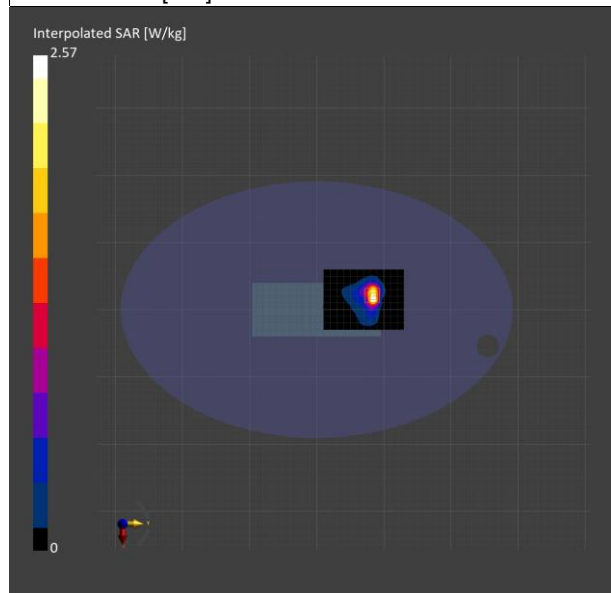
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	5.1 x 5.1 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-18	2026-05-18
psSAR1g [W/kg]	1.93	2.37
psSAR8g [W/kg]	1.04	1.20
psSAR10g [W/kg]	0.939	1.09
Power Drift [dB]	0.16	-0.04
M2/M1 [%]		77.8
Dist 3dB Peak [mm]		6.2



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ID: 017

Report No. :TESA2605000311EN

Measurement Report_LTE Band 4 (20MHz)_Limb_Bottom Edge_CH 20300_QPSK_1-0_0mm

Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Edge, 0.00	1745.000, 20300	8.28	1.336	41.197

Hardware Setup

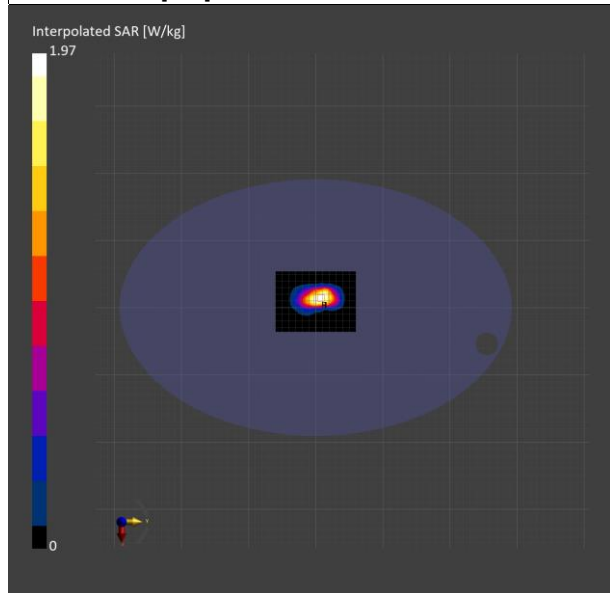
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	4.7 x 4.7 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-17	2026-05-17
psSAR1g [W/kg]	1.69	2.43
psSAR8g [W/kg]	1.03	1.25
psSAR10g [W/kg]	0.955	1.14
Power Drift [dB]	-0.01	-0.06
M2/M1 [%]		71.1
Dist 3dB Peak [mm]		6.0



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ID: 018

Report No. :TESA2605000311EN

Measurement Report_LTE Band 5 (10MHz)_Limb_Bottom Edge_CH 20450_QPSK_1-0_0mm

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Edge, 0.00	829.000, 20450	9.64	0.924	43.021

Hardware Setup

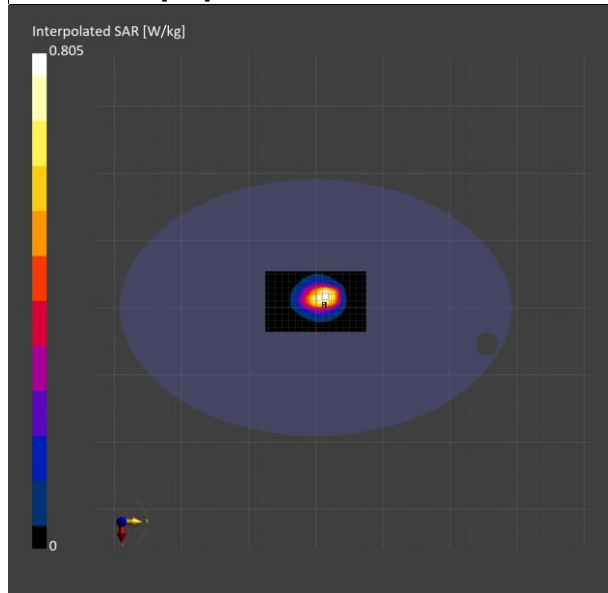
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	4.2 x 4.2 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-16	2026-05-16
psSAR1g [W/kg]	0.703	1.09
psSAR8g [W/kg]	0.482	0.549
psSAR10g [W/kg]	0.454	0.505
Power Drift [dB]	0.02	-0.14
M2/M1 [%]		64.3
Dist 3dB Peak [mm]		5.2



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ID: 019

Report No. :TESA2605000311EN

Measurement Report_LTE Band 12 (10MHz)_Limb_Bottom Edge_CH 23130_QPSK_1-0_0mm

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Edge, 0.00	711.000, 23130	9.96	0.911	43.535

Hardware Setup

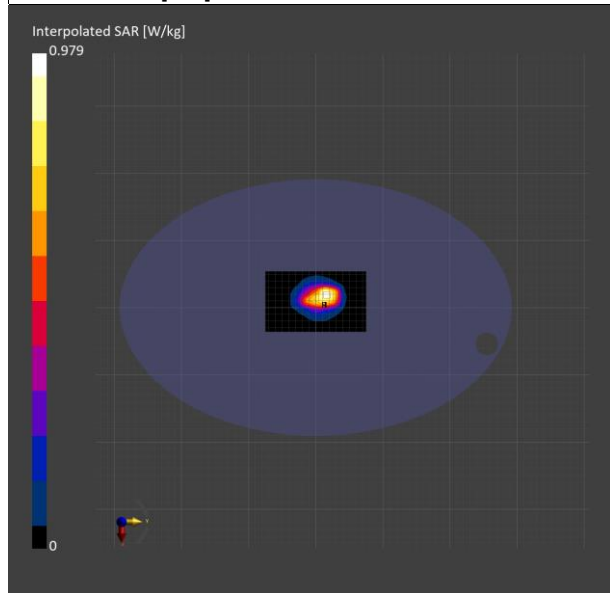
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	4.6 x 4.6 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-15	2026-05-15
psSAR1g [W/kg]	0.846	1.38
psSAR8g [W/kg]	0.571	0.653
psSAR10g [W/kg]	0.537	0.595
Power Drift [dB]	0.02	-0.02
M2/M1 [%]		59.8
Dist 3dB Peak [mm]		4.6



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ID: 020

Report No. :TESA2605000311EN

Measurement Report_LTE Band 13 (10MHz)_Limb_Bottom Edge_CH 23230_QPSK_1-0_0mm

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Edge, 0.00	782.000, 23230	9.96	0.918	43.173

Hardware Setup

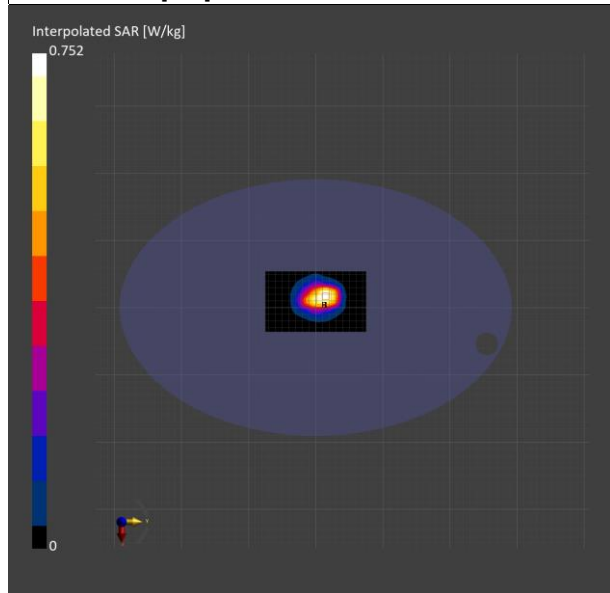
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	4.2 x 4.2 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-15	2026-05-15
psSAR1g [W/kg]	0.657	1.06
psSAR8g [W/kg]	0.452	0.520
psSAR10g [W/kg]	0.426	0.475
Power Drift [dB]	0.08	0.01
M2/M1 [%]		64.9
Dist 3dB Peak [mm]		5.1



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ID: 021

Report No. :TESA2605000311EN

Measurement Report_LTE Band 17 (10MHz)_Limb_Bottom Edge_CH 23780_QPSK_1-0_0mm

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Edge, 0.00	709.000, 23780	9.96	0.907	43.547

Hardware Setup

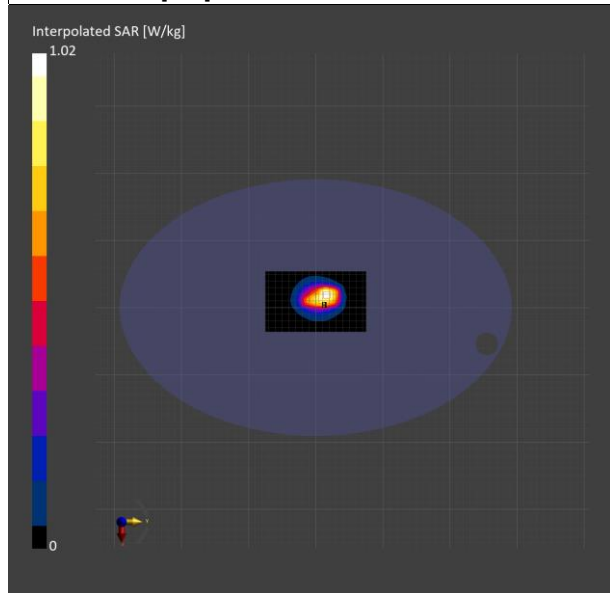
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	4.6 x 4.6 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-15	2026-05-15
psSAR1g [W/kg]	0.883	1.43
psSAR8g [W/kg]	0.598	0.677
psSAR10g [W/kg]	0.562	0.618
Power Drift [dB]	0.02	0.01
M2/M1 [%]		60.1
Dist 3dB Peak [mm]		4.6



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ID: 022

Report No. :TESA2605000311EN

Measurement Report_LTE Band 66 (20MHz)_Limb_Bottom Edge_CH 132322_QPSK_1-0_0mm

Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Edge, 0.00	1745.000, 132322	8.28	1.336	41.197

Hardware Setup

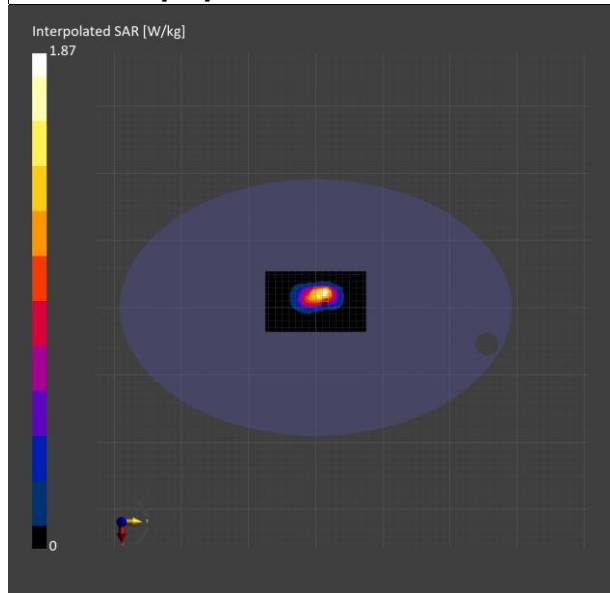
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	3.5 x 3.5 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-17	2026-05-17
psSAR1g [W/kg]	1.46	2.11
psSAR8g [W/kg]	0.839	1.10
psSAR10g [W/kg]	0.773	1.00
Power Drift [dB]	0.09	0.16
M2/M1 [%]		71.7
Dist 3dB Peak [mm]		5.4



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ID: 023

Report No. :TESA2605000311EN

Measurement Report_WLAN 802.11b_Limb_Back Surface_CH 1_0mm_Main

Ambient temperature: 22.3°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Back Surface, 0.00	2412.000, 1	7.12	1.794	40.598

Hardware Setup

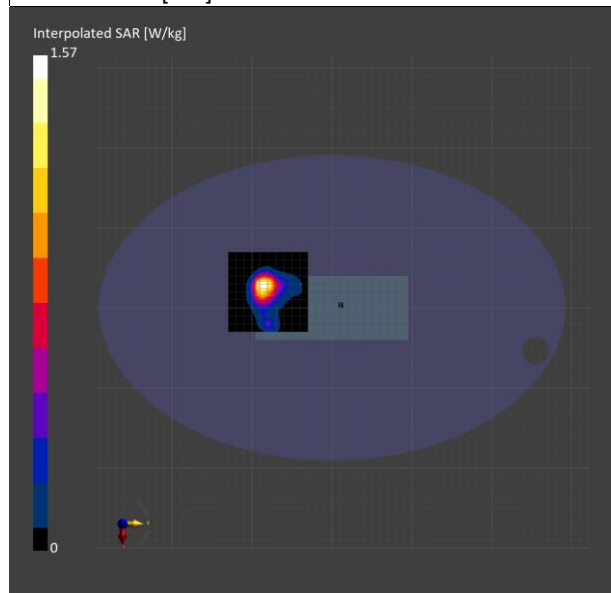
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-18	2026-05-18
psSAR1g [W/kg]	1.22	1.20
psSAR8g [W/kg]	0.655	0.665
psSAR10g [W/kg]	0.597	0.607
Power Drift [dB]	0.12	0.01
M2/M1 [%]		75.4
Dist 3dB Peak [mm]		9.9



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ID: 024

Report No. :TESA2605000311EN

Measurement Report_Bluetooth(GFSK)_Limb_Back Surface_CH 0_0mm_Main

Ambient temperature: 22.3°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Back Surface, 0.00	2402.000, 0	7.12	1.776	40.615

Hardware Setup

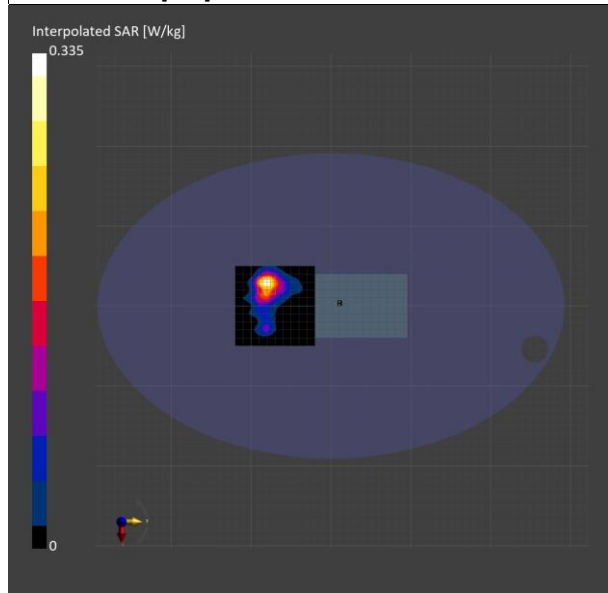
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-18	2026-05-18
psSAR1g [W/kg]	0.249	0.253
psSAR8g [W/kg]	0.128	0.137
psSAR10g [W/kg]	0.117	0.125
Power Drift [dB]	0.09	-0.07
M2/M1 [%]		67.4
Dist 3dB Peak [mm]		7.3



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ID: 025

Report No. :TESA2605000311EN

Measurement Report_WLAN 802.11a 5.2G_Limb_Left Edge_CH 36_0mm_Main

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Left Edge, 0.00	5180.000, 36	5.63	4.503	34.969

Hardware Setup

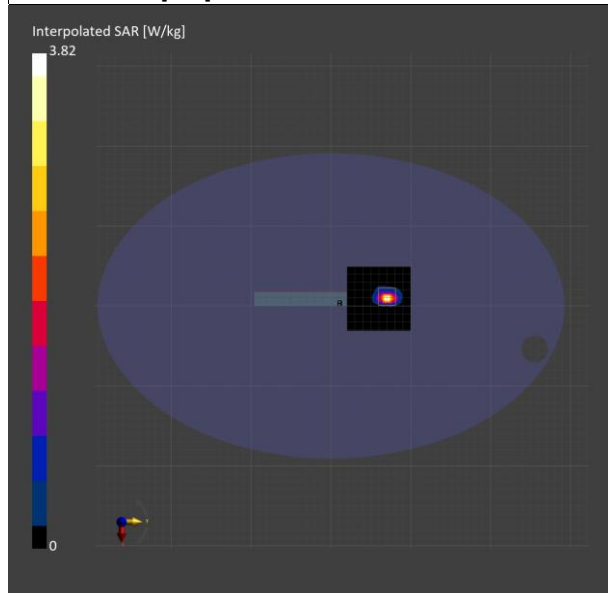
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-19	2026-05-19
psSAR1g [W/kg]	2.21	2.58
psSAR8g [W/kg]	0.696	0.753
psSAR10g [W/kg]	0.597	0.638
Power Drift [dB]	-0.05	0.09
M2/M1 [%]		65.5
Dist 3dB Peak [mm]		4.7



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ID: 026

Report No. :TESA2605000311EN

Measurement Report_WLAN 802.11a 5.3G_Limb_Back Surface_CH 64_0mm_Main

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Back Surface, 0.00	5320.000, 64	5.63	4.667	34.824

Hardware Setup

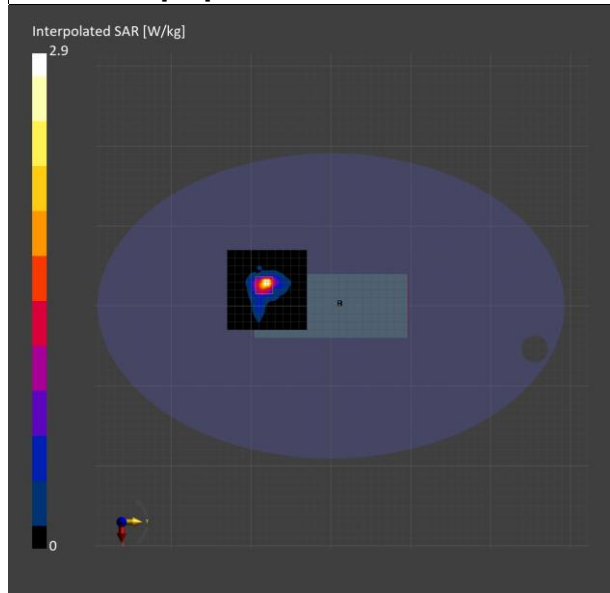
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-19	2026-05-19
psSAR1g [W/kg]	1.78	2.01
psSAR8g [W/kg]	0.640	0.665
psSAR10g [W/kg]	0.560	0.573
Power Drift [dB]	-0.04	-0.03
M2/M1 [%]		65.1
Dist 3dB Peak [mm]		6.5



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ID: 027

Report No. :TESA2605000311EN

Measurement Report_WLAN 802.11a 5.6G_Limb_Left Edge_CH 120_0mm_Main

Ambient temperature: 22.4°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Left Edge, 0.00	5600.000, 120	5.13	4.956	34.445

Hardware Setup

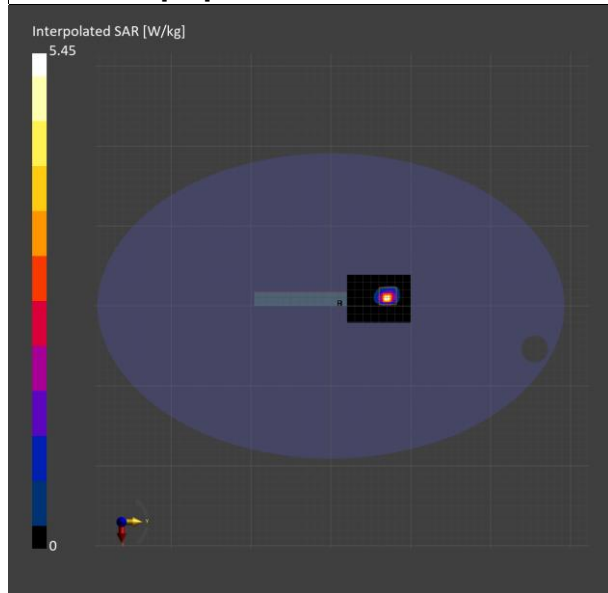
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-19	2026-05-19
psSAR1g [W/kg]	3.09	3.90
psSAR8g [W/kg]	0.912	1.03
psSAR10g [W/kg]	0.776	0.864
Power Drift [dB]	-0.02	-0.08
M2/M1 [%]		64.0
Dist 3dB Peak [mm]		4.7



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Report No. :TESA2605000311EN

Measurement Report_WLAN 802.11a 5.8G_Limb_Left Edge_CH 149_0mm_Main

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Left Edge, 0.00	5745.000, 149	5.3	5.102	34.297

Hardware Setup

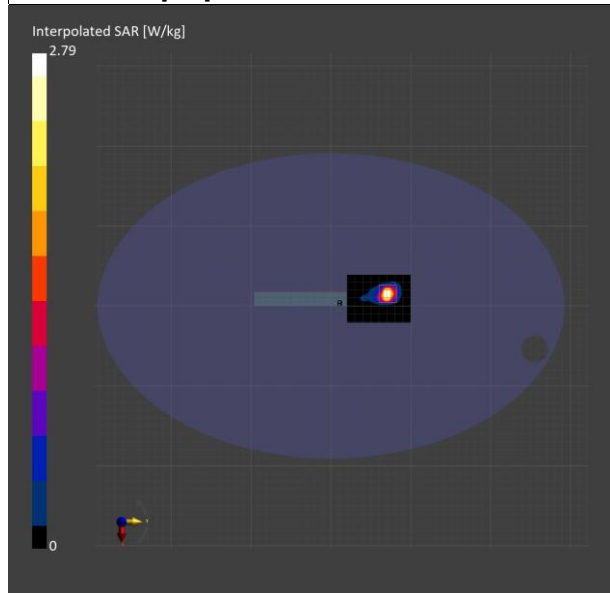
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-20	2026-05-20
psSAR1g [W/kg]	2.00	2.85
psSAR8g [W/kg]	0.673	0.772
psSAR10g [W/kg]	0.576	0.649
Power Drift [dB]	0.18	-0.07
M2/M1 [%]		63.0
Dist 3dB Peak [mm]		5.1



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ID: 029

Report No. :TESA2605000311EN

Measurement Report_LTE Band 2 (20MHz)_Body_Bottom Edge_CH 19100_QPSK_1-0_14mm

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Edge, 14.00	1900.000, 19100	7.83	1.381	41.118

Hardware Setup

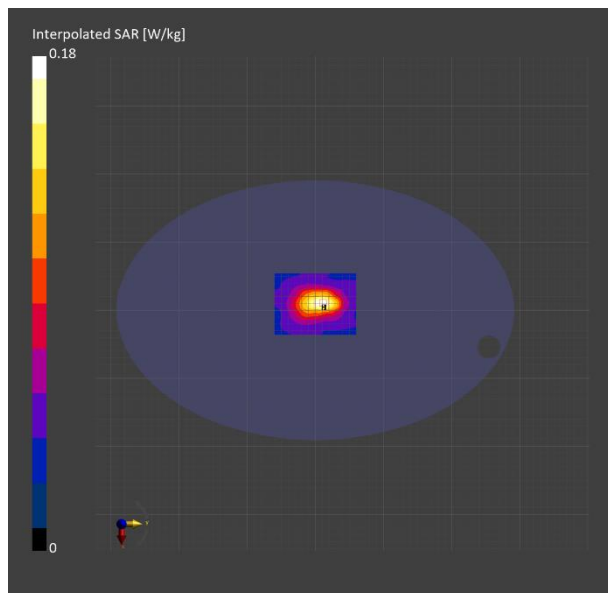
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4ip Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-18	2026-05-18
psSAR1g [W/kg]	0.210	0.234
psSAR8g [W/kg]	0.130	0.166
psSAR10g [W/kg]	0.121	0.158
Power Drift [dB]	0.06	0.06
M2/M1 [%]		87.3
Dist 3dB Peak [mm]		13.2



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ID: 030

Report No. :TESA2605000311EN

Measurement Report_LTE Band 4 (20MHz)_Body_Bottom Edge_CH 20300_QPSK_1-0_14mm

Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	Bottom Edge, 14.00	1745.000, 20300	8.28	1.336	41.197

Hardware Setup

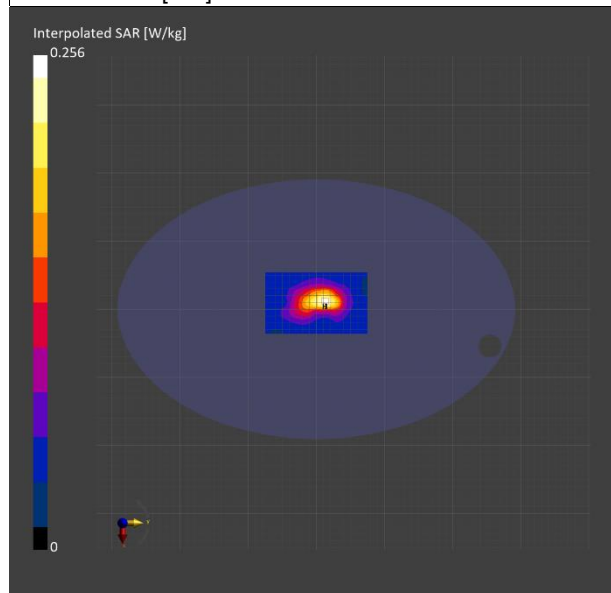
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-17	2026-05-17
psSAR1g [W/kg]	0.150	0.168
psSAR8g [W/kg]	0.095	0.123
psSAR10g [W/kg]	0.089	0.118
Power Drift [dB]	0.02	0.07
M2/M1 [%]		87.8
Dist 3dB Peak [mm]		14.4



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ID: 031

Report No. :TESA2605000311EN

Measurement Report_LTE Band 66 (20MHz)_Body_Bottom Edge_CH 132322_QPSK_1-0_14mm

Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz],Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Bottom Edge, 14.00	1745.000, 132322	8.28	1.336	41.197

Hardware Setup

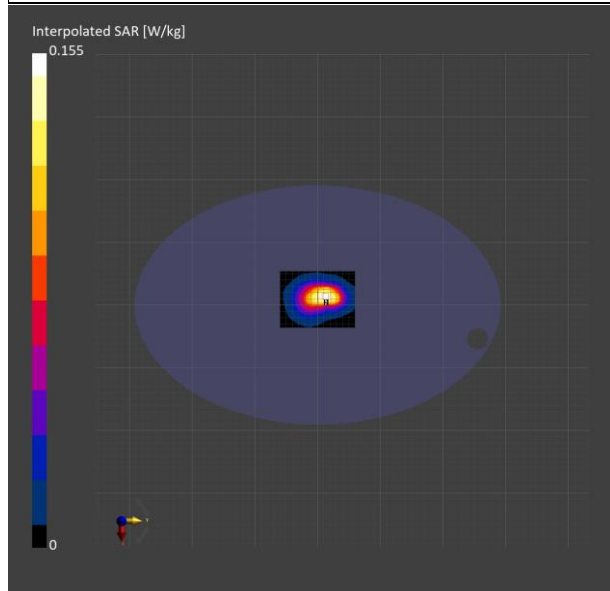
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-17	2026-05-17
psSAR1g [W/kg]	0.131	0.147
psSAR8g [W/kg]	0.083	0.097
psSAR10g [W/kg]	0.078	0.091
Power Drift [dB]	-0.02	0.03
M2/M1 [%]		87.4
Dist 3dB Peak [mm]		13.2



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ID:034

Report No. :TESA2605000311EN

Measurement Report_NFC_Body_Front Surface_13.56MHz_5mm

Ambient temperature: 22.3°C; Liquid temperature: 21.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 5.00	13.56, 13560	17.56	0.743	55.1

Hardware Setup

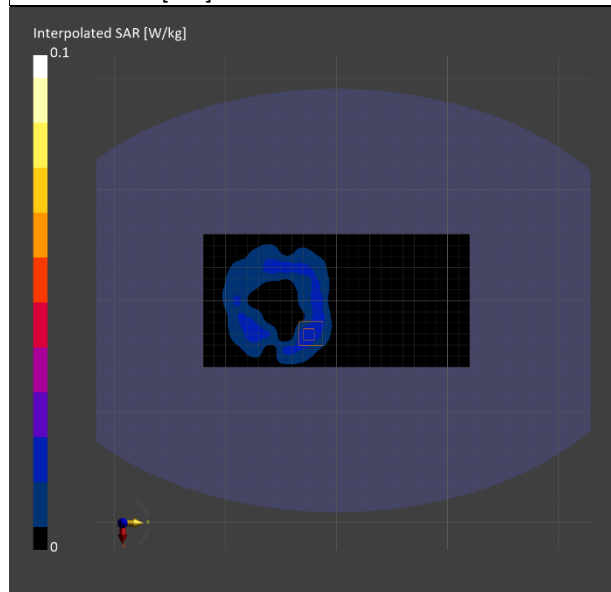
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2026-02-25	DAE4 Sn547, 2026-01-15

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 240.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-02	2026-07-02
psSAR1g [W/kg]	0.020	0.021
psSAR8g [W/kg]	0.016	0.012
psSAR10g [W/kg]	0.015	0.012
Power Drift [dB]	0.02	0.01
M2/M1 [%]		54.5
Dist 3dB Peak [mm]		9.6



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ID:035

Report No. :TESA2605000311EN

Measurement Report_NFC_Limb_Front Surface_13.56MHz_0mm

Ambient temperature: 22.3°C; Liquid temperature: 21.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 0.00	13.56, 13560	17.56	0.743	55.1

Hardware Setup

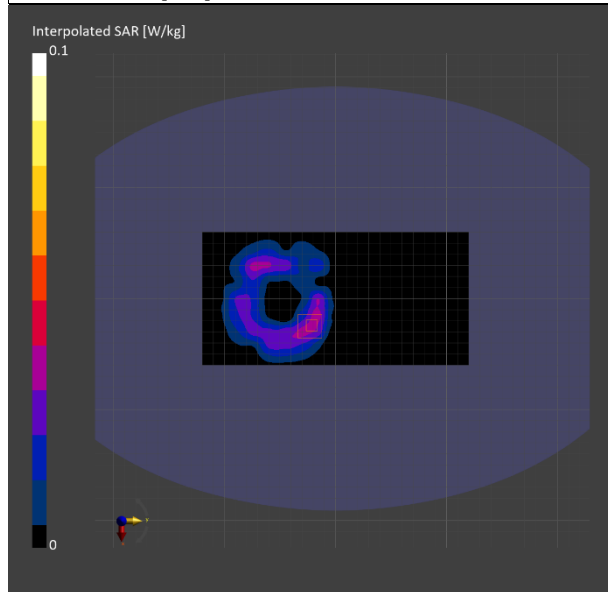
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2026-02-25	DAE4 Sn547, 2026-01-15

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 240.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-02	2026-07-02
psSAR1g [W/kg]	0.035	0.032
psSAR8g [W/kg]	0.028	0.017
psSAR10g [W/kg]	0.027	0.016
Power Drift [dB]	0.05	-0.04
M2/M1 [%]		50.3
Dist 3dB Peak [mm]		9.2



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12 SAR SYSTEM CHECK RESULTS

Report No. :TESA2605000311EN

Measurement Report

Dipole_D750-SN:1015

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 15.00	750.000, 50	9.96	0.912	43.326

Hardware Setup

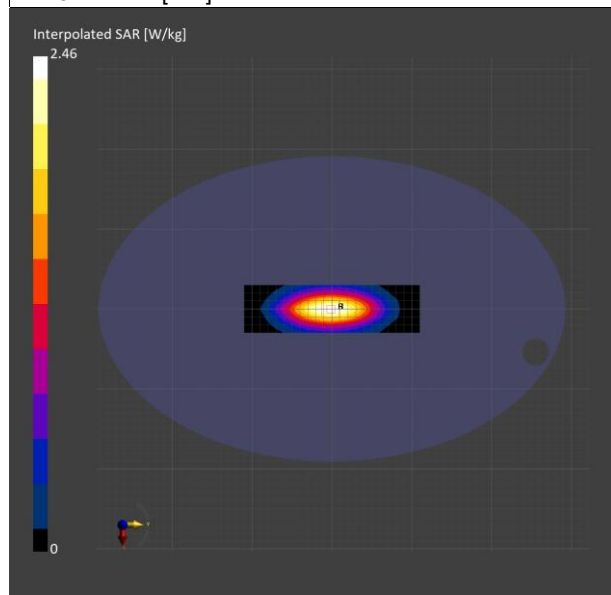
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 220.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-15	2026-05-15
psSAR1g [W/kg]	2.13	2.12
psSAR8g [W/kg]	1.50	1.50
psSAR10g [W/kg]	1.42	1.43
Power Drift [dB]	0.01	0.02
M2/M1 [%]		89.8
Dist 3dB Peak [mm]		15.0



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Report No. :TESA2605000311EN

Measurement Report

Dipole_D835-SN:4d063

Ambient temperature: 22.5°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 15.00	835.000, 35	9.64	0.925	42.994

Hardware Setup

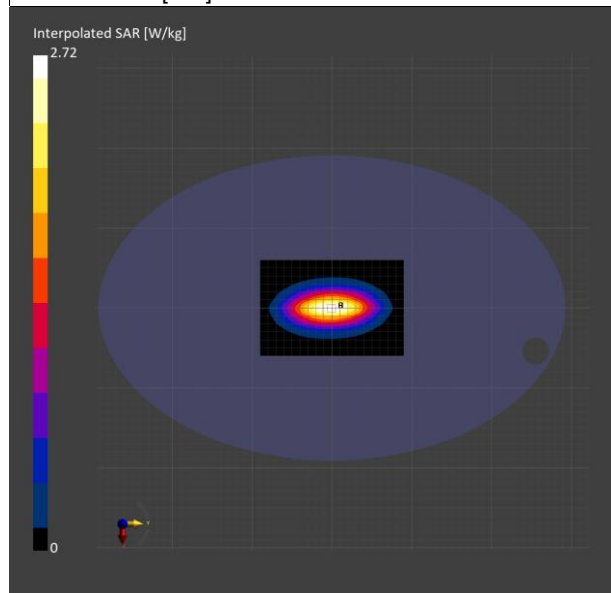
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-16	2026-05-16
psSAR1g [W/kg]	2.35	2.35
psSAR8g [W/kg]	1.63	1.64
psSAR10g [W/kg]	1.54	1.55
Power Drift [dB]	0.03	0.01
M2/M1 [%]		69.5
Dist 3dB Peak [mm]		20.6



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Report No. :TESA2605000311EN

Measurement Report

Dipole_D1750-SN:1008

Ambient temperature: 22.2°C; Liquid temperature: 21.9°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	1750.000, 50	8.28	1.338	41.189

Hardware Setup

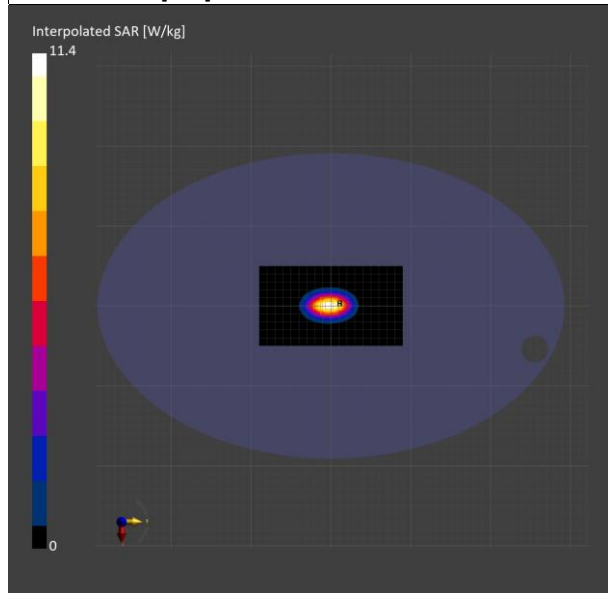
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-17	2026-05-17
psSAR1g [W/kg]	9.15	9.21
psSAR8g [W/kg]	5.32	5.59
psSAR10g [W/kg]	4.90	5.19
Power Drift [dB]	0.04	-0.02
M2/M1 [%]		62.3
Dist 3dB Peak [mm]		10.0



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Report No. :TESA2605000311EN

Measurement Report

Dipole_D1900-SN:5d173

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	1900.000, 50	7.83	1.381	41.118

Hardware Setup

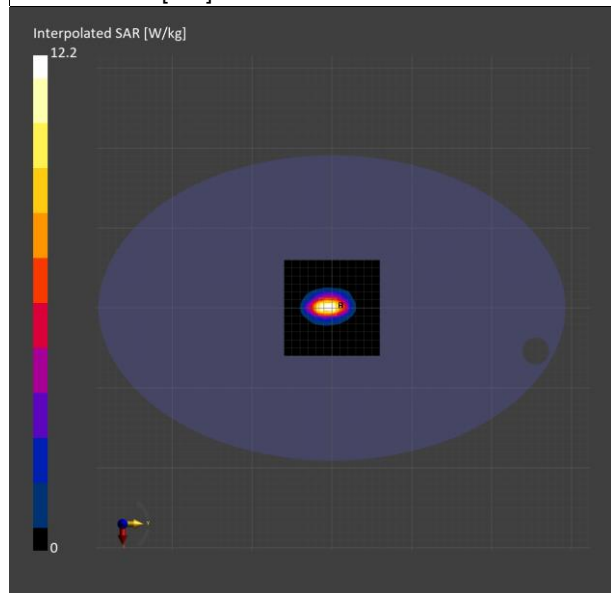
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-18	2026-05-18
psSAR1g [W/kg]	9.83	10.3
psSAR8g [W/kg]	5.64	6.11
psSAR10g [W/kg]	5.16	5.65
Power Drift [dB]	-0.03	-0.01
M2/M1 [%]		60.5
Dist 3dB Peak [mm]		10.0



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Report No. :TESA2605000311EN

Measurement Report

Dipole_D2450-SN:727

Ambient temperature: 22.3°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	2450.000, 50	7.12	1.829	40.532

Hardware Setup

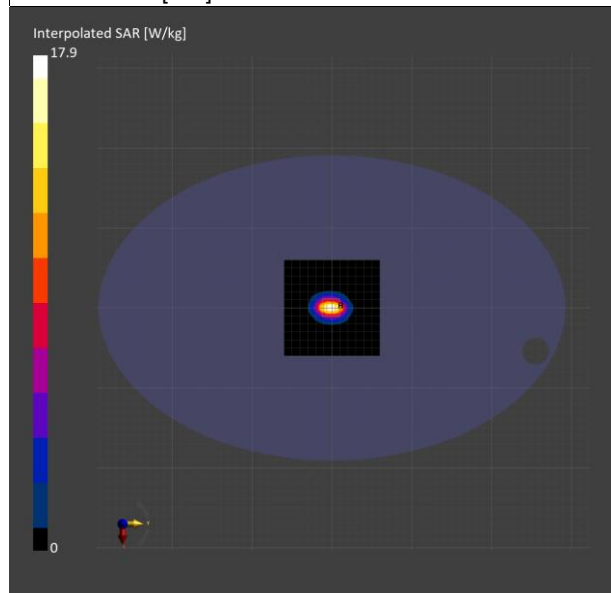
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-18	2026-05-18
psSAR1g [W/kg]	13.4	13.6
psSAR8g [W/kg]	6.83	7.35
psSAR10g [W/kg]	6.17	6.69
Power Drift [dB]	0.04	-0.01
M2/M1 [%]		56.8
Dist 3dB Peak [mm]		9.0



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Report No. :TESA2605000311EN

Measurement Report

Dipole_D5250-SN:1349

Ambient temperature: 22.4°C; Liquid temperature: 22.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	5250.000, 25	5.63	4.596	34.896

Hardware Setup

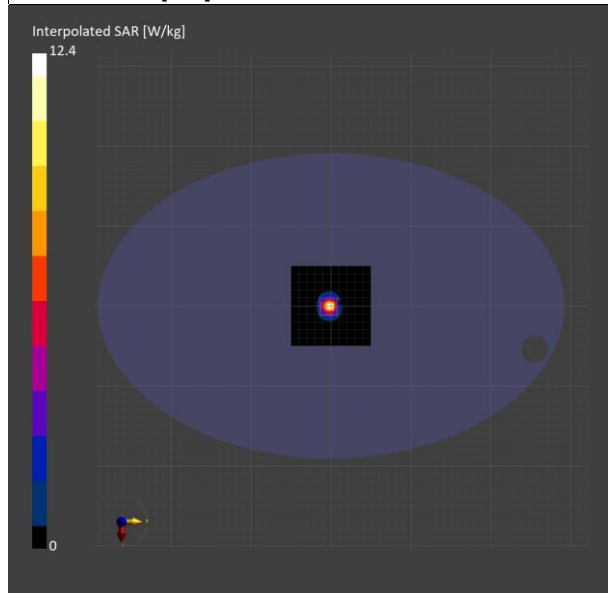
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-19	2026-05-19
psSAR1g [W/kg]	7.76	8.21
psSAR8g [W/kg]	2.62	2.81
psSAR10g [W/kg]	2.26	2.41
Power Drift [dB]	-0.02	-0.05
M2/M1 [%]		55.9
Dist 3dB Peak [mm]		7.2



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Report No. :TESA2605000311EN

Measurement Report

Dipole_D5600-SN:1349

Ambient temperature: 22.4°C; Liquid temperature: 22.3°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	5600.000, 60	5.13	4.956	34.445

Hardware Setup

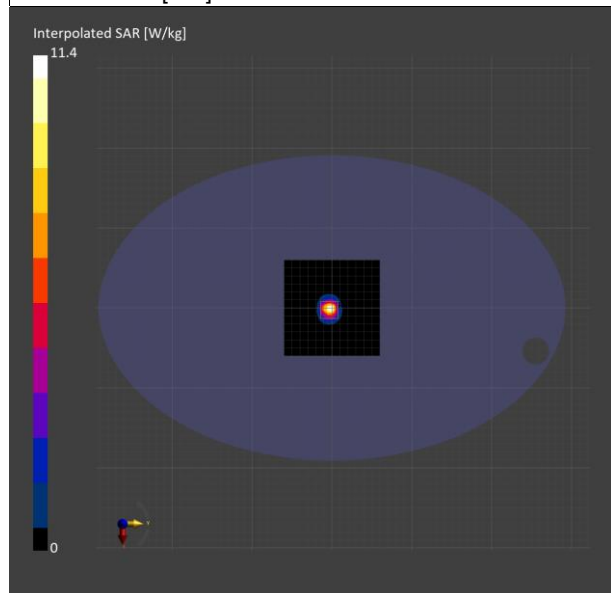
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 120.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-19	2026-05-19
psSAR1g [W/kg]	7.61	8.53
psSAR8g [W/kg]	2.65	2.87
psSAR10g [W/kg]	2.29	2.47
Power Drift [dB]	0.06	0.05
M2/M1 [%]		62.6
Dist 3dB Peak [mm]		7.4



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Report No. :TESA2605000311EN

Measurement Report

Dipole_D5750-SN:1349

Ambient temperature: 22.6°C; Liquid temperature: 22.4°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	5750.000, 75	5.3	5.108	34.292

Hardware Setup

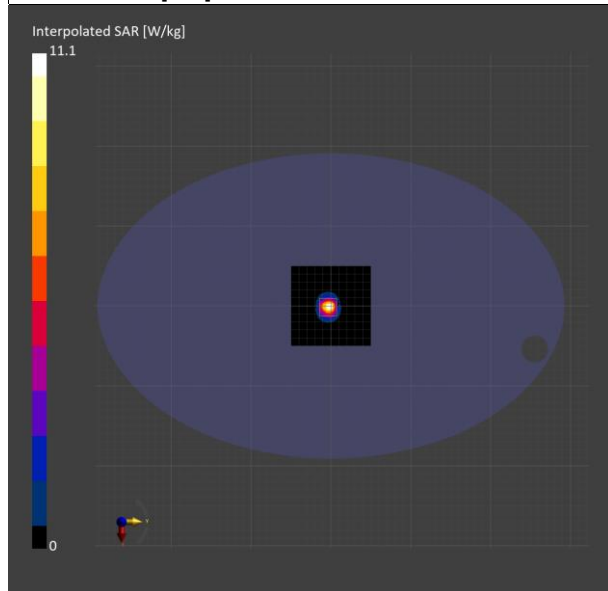
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-20	2026-05-20
psSAR1g [W/kg]	7.48	8.35
psSAR8g [W/kg]	2.60	2.80
psSAR10g [W/kg]	2.25	2.40
Power Drift [dB]	0.04	0.07
M2/M1 [%]		61.0
Dist 3dB Peak [mm]		7.6



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Report No. :TESA2605000311EN

Measurement Report

Dipole_D5850-SN:1349

Ambient temperature: 22.4°C; Liquid temperature: 22.1°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,HSL	FRONT, 10.00	5850.000, 85	5.03	5.213	34.192

Hardware Setup

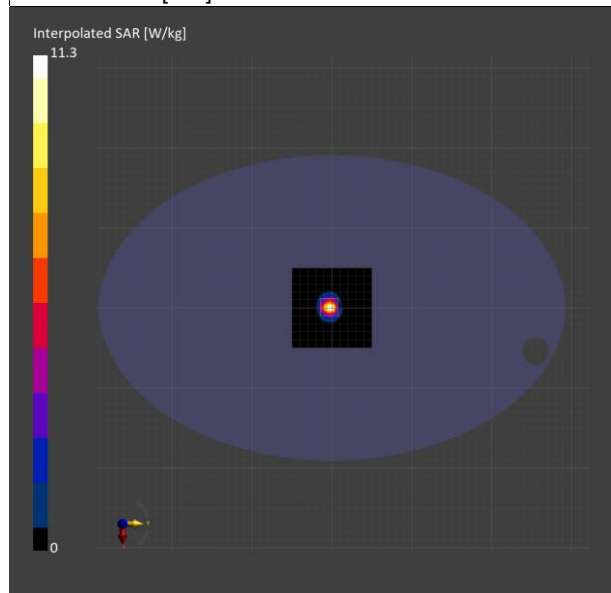
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7712, 2026-03-30	DAE4 Sn1824, 2025-07-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 100.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-05-20	2026-05-20
psSAR1g [W/kg]	7.53	8.50
psSAR8g [W/kg]	2.57	2.81
psSAR10g [W/kg]	2.22	2.41
Power Drift [dB]	-0.01	0.07
M2/M1 [%]		59.1
Dist 3dB Peak [mm]		7.4



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Report No. :TESA2605000311EN

Measurement Report

Dipole_CLA13-SN: 1027

Ambient temperature: 22.3°C; Liquid temperature: 21.2°C

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	17.56	0.741	55.11

Hardware Setup

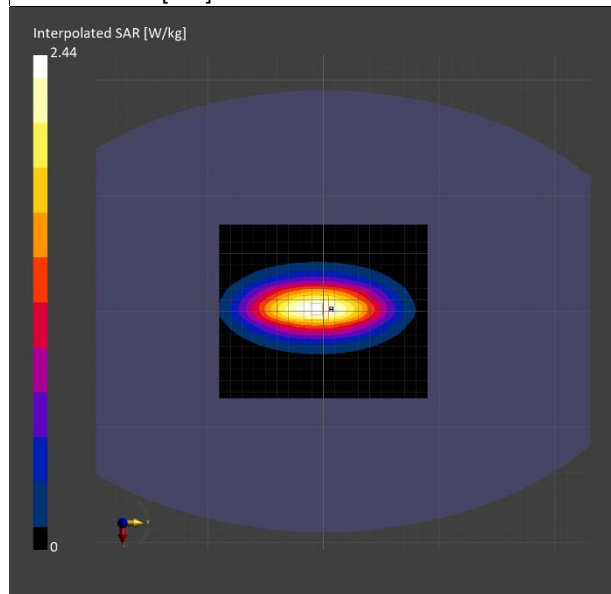
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI	EX3DV4 - SN7466, 2026-02-25	DAE4 Sn547, 2026-01-15

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-02	2026-07-02
psSAR1g [W/kg]	0.122	0.123
psSAR8g [W/kg]	0.076	0.075
psSAR10g [W/kg]	0.075	0.075
Power Drift [dB]	0.04	-0.01
M2/M1 [%]		56.8
Dist 3dB Peak [mm]		9.0



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13 APPENDIXES

Refer to separated files for the following appendixes.

- 13.1 SAR_Appendix A Photographs**
- 13.2 SAR_Appendix B DAE & Probe Cal. Certificate**
- 13.3 SAR_Appendix C Phantom Description & Dipole Cal. Certificate**
- 13.4 SAR_Appendix D Dipole Extended Calibration Verification**

- End of report -

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