

Test report No:
NIE: 74509RAN.002A1

Test report

IEEE Std 1528™-2013

(*) Identification of item tested	Aveir device remote monitoring
(*) Trademark	AVEIR™ Patient Transmitter
(*) Model and /or type reference tested	LSRM01
(*) Other identification of the product	Contains FCC ID: 2A76T00NRF9160 Contains IC: 7067A-00NRF9160 HW version: DVT1.1 SW version: RSSI_V2.0.0_LTE and SSI_V2.0.0_NBIOT
(*) Features	ECG monitoring, LTE Cat-M1 and LTE NB-IoT
Manufacturer	Celestica Valencia S:A.U Autovia Ademuz Km 17.6 46185 La Pobla de Vallbona Valencia - Spain
Test method requested, standard	1. IEEE Std 1528™-2013. 2. FCC 47 CFR Part 2.1093.
Summary	Considering the results of the performed test, the item under test is IN COMPLIANCE with FCC 47CFR Part 2.1093 exposure limits. The maximum 1g volume averaged SAR found during this test have been 1.423 W/kg, for LTE CAT M1 Band 2.
Approved by (name / position & signature)	Miguel Lacave Antennas Lab Manager
Date of issue	2024-01-17
Report template No	FAN44_00 (*) "Data provided by the client"



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Competences and guarantees

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4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA Testing and Certification S.A.U. and the Accreditation Bodies.

Uncertainty

Uncertainty (factor $k=2$) was calculated according to the following documents:

1. DEKRA Testing and Certification S.A.U. internal document PODT000.
2. FCC OET KDB 865664 D01 - SAR Measurement Requirements for 100 MHz to 6 GHz v01r04 (August 2015).

Data provided by the client

The following data has been provided by the client:

1. Information relating to the description of the sample ("Identification of the item tested", "Trademark", "Model and/or type reference tested", "Other identification of the product", "Features" and "Test sample description").
2. Maximum output power and testing distance information.

DEKRA Testing and Certification S.A.U. declines any responsibility with respect to the information provided by the client and that may affect the validity of results.

Usage of samples

Samples undergoing test have been selected by: the client

Samples are composed of the following elements:

Sample	Control N°	Description	Model	Serial N°	Date of reception
S/01	74509_4.1	Aveir Patient Transmitter		772AT300014	2023-09-20
S/01	74509_5.1	Aveir Patient Transmitter		772AT300003	2023-09-20

1. Sample S/01 has undergone the test(s) specified in subclause "Test method requested": Conducted average output power and SAR evaluation for LTE Cat-M1 and LTE NB-IoT modes.

Test sample description

Description of product	ECG monitoring		
Software version.....	RSSI_V2.0.0_LTE and SSI_V2.0.0_NBIOT		
Hardware version	DVT1.1		
Mounting position	☐	Table top equipment	
	☐	Wall/Ceiling mounted equipment	
	☐	Equipment used next to the ear	
	☒	Hand-held equipment	
	☐	Other: Body-worn device	
Accessories (not part of the test item).....	Description	Type	Manufacturer
	Charging adapter	---	
	USB cable	---	

Identification of the client

Abbott Medical
15900 Valley View Court

Testing period and place

Test Location	DEKRA Testing and Certification S.A.U.
Date (start)	2023-09-22
Date (finish)	2023-11-06

Document history

Report number	Date	Description
74509RAN.002	2023-12-13	First release
74509RAN.002A1	2024-01-17	Second release. A note has been included to clarify that the device complies with Extremity SAR limits. Sw version and Client name have been changed. The identification of item tested, trademark and features have been updated.This report cancels and replaces report 74509RAN.002.

Environmental conditions

Date	Max. Temp.	Min. Temp.	Max. Hum.	Min. Hum.	Limit
	°C	°C	%	%	
From 2023-09-22 to 2023-11-06	24.17	20.44	68.36	44.14	18-25 °C, 30-70%

Remarks and comments

1. Zoom scan is not required according to FCC OET KDB 447498 D01 General RF Exposure Guidance 06, paragraph “4.4.2. Area scan based 1-g estimation”.
2. Zoom scan and/or power drifts measurements have not been able to be performed by the measurement system due to very low SAR values close to or under the noise level.
3. Additionally to the normal back position, a second measurement has been performed in the back face position with the device at the border touching the phantom to ensure that the device complies with SAR limits in this position. See more details in the Appendix F: Photographs.
4. Only the plots of the highest SAR for each test position and mode/band are included in appendix C.
5. The tests have been performed by the technical personnel: Francisco J. Sánchez and Ismael Gamarro.
6. The instrumentation utilized to perform the tests covered in this test report is listed in the following table:

7.

DEKRA Control Number	Equipment	S/N
02402	20 dB Attenuator, WEINSCHEL model 75A-20-11	902
04859	DAK software, SPEAG model DAK V1.10.325.10	-
04835	DC POWER SUPPLY 30V/5A 150W	MY58500043
03428	Dipole validation kit 2000 MHz, SPEAG model D2000V2	1021
03430	Data acquisition device, SPEAG model DAE4	669
04170	Digital thermometer, LKM Electronics model DTM3000-SpezialL	2989
03427	Dipole validation kit 1800 MHz, SPEAG model D1800V2	2D099
03919	Dipole validation kit 750 MHz, SPEAG model D750V3	1036
03426	Dipole validation kit 900 MHz, SPEAG model D900V2	1D007
06125	Dosimetric E-field Probe, SPEAG model EX3DV4	7461
01084	Dual directional coupler, HP model 778D	15821
08902	Electro-optical converter, SPEAG model EOCip-60	1154
09449	Head Tissue Equivalent Liquid for 0.6-10 GHz, SPEAG model HBBL600-10000V6	-
04171	Dielectric probe kit, SPEAG model DAK-3.5	1080
08895	Measurement server, SPEAG model DASY6 SE UMS 028 CA	1602
09168	Oval flat phantom, SPEAG model ELI4 V8.0	2158
03526	Mounting Device for Laptops and Body-Worn Transmitters, SPEAG model LH1 001 AC	-
04164	Power Sensor 50 MHz-18GHz, R&S model NRP-Z81	100527
03485	Power amplifier, MITEQ model AMF-4D-00400600-50-30P	1456425
08894	Robot controller, Stäubli model CS8C	F15/5Z0NB1/C/01
08867	Robot, Stäubli model TX60L	F15/5Z0NB1/A
08898	SAR measurement software, SPEAG model cDASY6	-
03346	Signal RF Generator, R&S model SMU200A	102234
03453	Temperature and humidity probe, Pico Technology model HUMIDIPROBE	UAL02/077
04482	Vector Network Analyzer, Agilent Technologies model N9923A FieldFox	US49470126
09227	WIDEBAND RADIO COMMUNICATION TESTER	170976
09513	Dosimetric E-field Probe, SPEAG model EX3DV4	7766
08876	Data acquisition device, SPEAG model DAE4	1690

8. References

The tests documented in this report were performed in accordance with FCC 47 CFR § 2.1093 and the following FCC Published RF exposure KDB procedures:

- FCC OET KDB 447498 D01 General RF Exposure Guidance v06 (October 2015).
- FCC OET KDB 865664 D01 - SAR Measurement Requirements for 100 MHz to 6 GHz v01r04 (August 2015).
- FCC OET KDB 865664 D02 RF Exposure Reporting v01r02 (October 2015).
- FCC OET KDB 941225 D05 SAR for LTE Devices v02r05 (October 2015).

Testing verdicts

Not applicable :	N/A
Pass :	P
Fail :	F
Not measured :	N/M

Summary

FCC 47CFR Part 2.1093	VERDICT			
	N/A	P	F	N/M
LTE Cat M1 Band 2		P		
LTE Cat M1 Band 4		P		
LTE Cat M1 Band 5		P		
LTE Cat M1 Band 12		P		
LTE Cat M1 Band 13		P		
LTE Cat M1 Band 25		P		
LTE Cat M1 Band 26		P		
LTE Cat M1 Band 66		P		
LTE NB-IoT Band 2		P		
LTE NB-IoT Band 4		P		
LTE NB-IoT Band 5		P		
LTE NB-IoT Band 12		P		
LTE NB-IoT Band 13		P		
LTE NB-IoT Band 25		P		
LTE NB-IoT Band 26		P		
LTE NB-IoT Band 66		P		

Appendix A: Test configuration

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1. GENERAL INTRODUCTION

1.1. Application Standard

The Federal Communications Commission (FCC) sets the limits for General Population/Uncontrolled exposure to radio frequency electromagnetic fields for transmitting devices designed to be used within 20 centimetres of the body of the user under FCC 47 CFR Part 2.1093 - "Radiofrequency radiation exposure evaluation: portable devices", paragraph (d)(2).

1.2. General requirements

The SAR measurement has been performed continuing the following considerations and environment conditions:

The ambient temperature shall be in the range of 18°C to 25°C and the variation shall not exceed $\pm 2^\circ\text{C}$ during the test.

The ambient humidity shall be in the range of and 30% - 70%.

The device battery shall be fully charged before each measurement.

1.3. Measurement system requirements

The measurement system used for SAR tests fulfills the procedural and technical requirements described at the reference standards used.

1.4. Phantom requirements

The phantom model for head measurements is a simplified representation of the human anatomy and comprised of material with electrical properties similar to the corresponding tissues in human body. The human model has the following proportions:

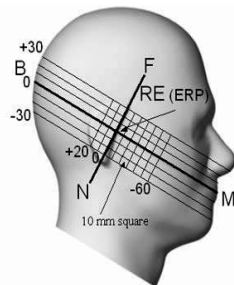


Figure 1: Proportions of Phantom

The shell model is a shaped container and it has the representation shown in the following figure:

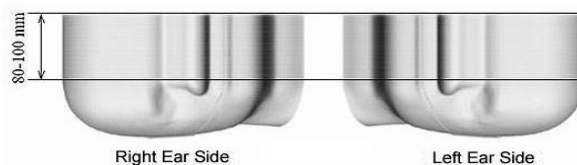


Figure 2: Proportions and shape of Phantom shell

The phantom model for body measurements is an elliptical open-top container with a flat bottom, with the following shape and dimensions:

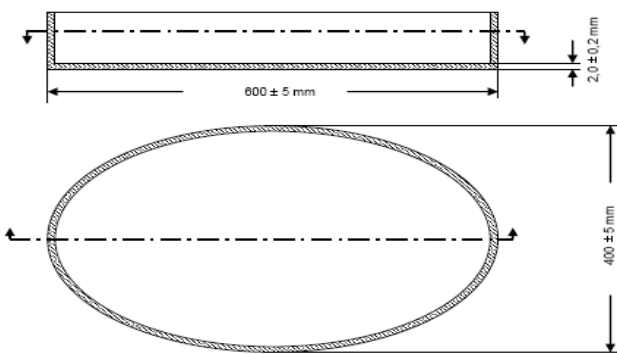


Figure 3: Proportions and shape of Phantom shell

1.5. Measurement Liquids requirements

The liquids used to simulate the human tissues, must fulfill the requirements of the dielectric properties required. These target dielectric properties are indicated into FCC OET KDB 865664 D01 Appendix A.

Frequency (MHz)	Head		Body	
	ϵ_r	σ (S/m)	ϵ_r	σ (S/m)
450	43.5	0.87	56.7	0.94
835	41.5	0.90	55.2	0.97
900	41.5	0.97	55.0	1.05
915	41.5	0.98	55.0	1.06
1450	40.5	1.20	54.0	1.30
1610	40.3	1.29	53.8	1.40
1800-2000	40.0	1.40	53.3	1.52
2450	39.2	1.80	52.7	1.95
3000	38.5	2.40	52.0	2.73
5800	35.3	5.27	48.2	6.00

Table 1: Liquid material requirements

To minimize the effect of reflections on peak spatial-average SAR values, from the upper surface of the tissue equivalent liquid, the depth of the liquid should be at least 15 cm.

Dielectric porperties values of the Tissue Simulant Liquids used for SAR measurements are included in Appendix B, Section 3, of this document.

2. MEASUREMENT SYSTEM

2.1. Measurement System

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

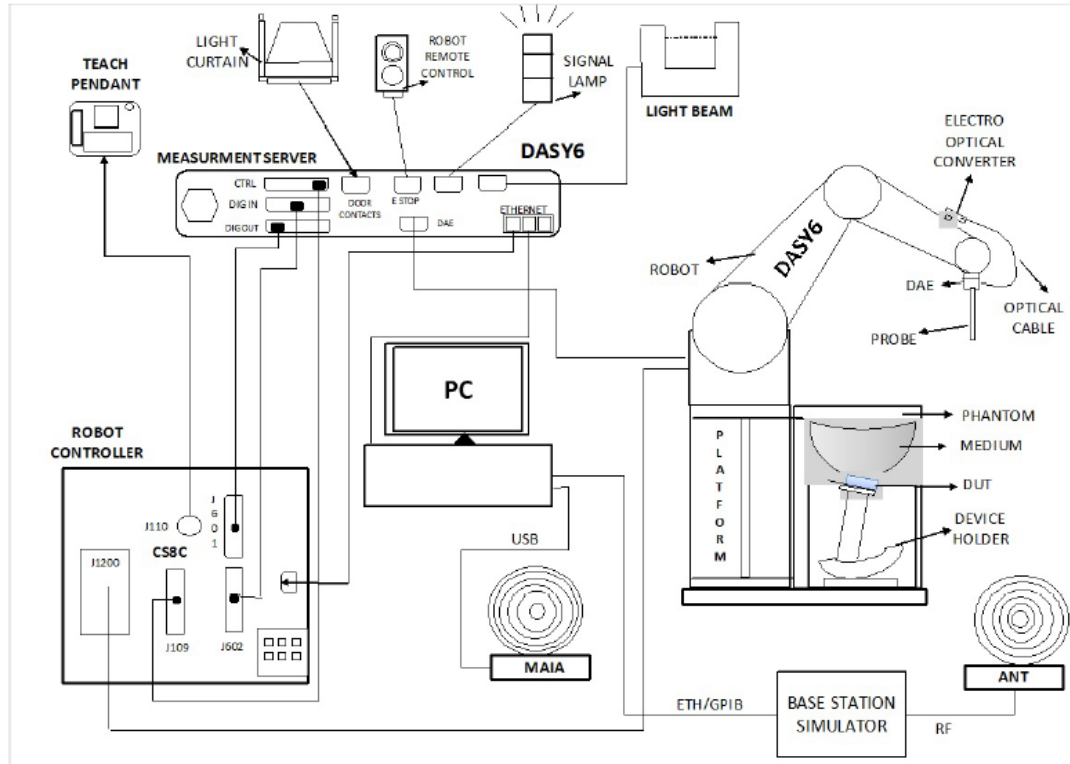


Figure 4: SAR Measurement system

- A standard high precision 6-axis robot (Stäubli TX=RX family) 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 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.

	Model	EX3DV4
	Construction	Symmetrical design with triangular core. Built-in shielding against static charges. PEEK enclosure material (resistant to organic solvents, e.g., DGBE).
	Frequency	10 MHz to > 6 GHz; Linearity: ± 0.2 dB (30 MHz to 6 GHz)
	Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis)
	Dynamic Range	10 μ W/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)
	Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1.0 mm

	Model	DAE4
	Construction	Signal amplifier, multiplexer, A/D converter, and control logic. Serial optical link communication with DASY4/5 embedded system (fully remote controlled). Two-step probe touch detector for mechanical surface detection and emergency robot stop.
	Measurement Range	-100 to +300 mV (16 bit resolution and two range settings: 4mV, 400mV)
	Input Offset Voltage	< 5 μ V (with auto zero)
	Input Resistance	200 MOhm
	Input Bias Current	< 50 fA

	Model	ELI
	Construction	Phantom 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.
	Material	Vinylester, glass fiber reinforced (VE-GF)
	Liquid Compatibility	Compatible with all SPEAG tissue simulating liquids (incl. DGBE type)
	Shell Thickness	2 ± 0.2 mm (bottom plate)
	Dimensions	Major axis: 600 mm, Minor axis: 400 mm
	Filling Volume	Approx. 30 liters
	Wooden Support	SPEAG standard phantom table

	Model	Mounting Device for Laptop and Body-Worn Transmitters
	Construction	In combination with the Twin SAM V5.0/V5.0c or ELI Phantoms, the Mounting Device (Body-worn) enables testing of transmitters devices according to IEC 62209-2 specifications. The device holder can be locked for positioning at flat phantom section.
	Material	Polyoxymethylene (POM), PET-G, Foam

	Model	System Validations Kits 450 MHz – 6 GHz		
	Construction	Symmetrical dipole with I/4 balun. Enables measurement of feedpoint impedance with NWA. Matched for use near flat phantoms filled with tissue simulating solutions.		
	Frequency	450 MHz to 5800 MHz		
	Return Loss	20 dB at specified validation position		
	Dimensions (length and overall height in mm)	Product	Dipole length	Overall height
		D450V3	290.0	330.0
		D750V3	179.0	330.0
		D900V2	148.5	340.0
		D1800V2	72.5	300.0
		D2000V2	65.0	300.0
		D2300V2	56.3	290.0
		D2450V2	52.0	290.0
		D2600V2	49.2	290.0
		D3300V2	38.0	285.0
		D3500V2	37.0	285.0
		D3700V2	34.7	285.0
		D3900V2	32.0	280.0
		D4200V2	30.1	280.0
		D4600V2	27.0	280.0
		D4900V2	25.0	280.0
		D5GHzV2	20.6	300.0

2.2. Device Holder

The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source in 5mm distance, a positioning uncertainty of $\pm 0.5\text{mm}$ would produce a SAR uncertainty of $\pm 20\%$. An accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions, in which the devices must be measured, are defined by the standards.

The DASY Laptop Holder extension is lightweight and made of POM, PET-G acrylic glass and foam. It fits easily on the upper part of the Mounting Device in place of the phone positioner. The extension is fully compatible with the Twin-SAM and ELI phantoms.

2.3. Test Positions of device relative to body

The device under test can be described as an electrocardiogram monitoring device that is used by holding it in the hand, placing it over the legs, and positioning it near the body. To comply with body and extremity exposure conditions, the device has been tested positioned at 0 mm from the outer surface of the phantom.

All device edges were tested facing the flat phantom at a 0 mm test distance. Additionally, a back face measurement, named as “back face 2” (see Appendix F: Photographs), has been performed to ensure that the device complies with SAR limits in the back face position.

2.4. Test to be performed

Test shall be performed for each test position previously described, using the channel producing the highest rated output power.

Additionally, the other applicable test frequency channels must be measured for the test configuration providing the highest SAR for each applicable transmitting band.

2.5. Description of interpolation/extrapolation scheme

The local SAR inside the Phantom is measured using small dipole sensing elements inside a probe element. The probe tip must not be in contact with the Phantoms surface in order to minimise measurement errors, but the highest local SAR is obtained from measurements at a certain distances from the shell through extrapolation. The accurate assessment of the maximum SAR averaged over 10 gr. requires a very fine resolution in the three dimensional scanned data array. Since the measurements have to be performed over a limited time, the measured data have to be interpolated to provide an array of sufficient resolution.

The interpolation of 2D area scan is used after the initial area scan, at a fixed distance from the Phantom shell wall. The initial scan data is collected with approx. 15 mm spatial resolution and this interpolation is used to find the location of the local maximum for positioning the subsequent 3D scanning within a 1mm resolution.

For the 3D scan, data is collected on a spatially regular 3D grid having 5 mm steps in both directions. After the data collection by the SAR probe, the data are extrapolated in the depth direction to assign values to points in the 3D array closer to the shell wall. A notional extrapolation value is also assigned to the first point outside the shell wall so that subsequent interpolation schemes will be applicable right up to the shell wall boundary.

2.6. Determination of the largest peak spatial-average SAR

To determine the maximum value of the peak spatial-average SAR of a DUT, all device positions, configurations and operational modes should be tested for each frequency band.

The averaging volume shall be chosen as 1gr. of contiguous tissue. The cubic volumes, over which the SAR measurements are averaged after extrapolation and interpolation, are chosen in order to include the highest values of local SAR.

The maximum SAR level for the DUT will be the maximum level obtained of the performed measurements indicated in the previous points.

2.7. System Check

Prior to the SAR measurements, system verification is done to verify the system accuracy. As IEEE 1528-2013, Annex paragraph 8.2.1 "System Check - Purpose" specifies, a complete SAR evaluation is done using a half-wavelength dipole as source with the frequency of the mid-band channel of the operating band, or within 10% of this channel, whichever is greater.

The measured 1 gr. and 10 gr. SAR should be within 10% of the expected target values specified in the calibration certificate of the dipole, for the specific tissue and frequency used.

3. UNCERTAINTY

According to FCC OET KDB 865664 D01, if the highest measured 1-g SAR is < 1.5 W/kg, SAR measurement uncertainty analysis is not required to be included into SAR report, but it has been included for ISO 17025 accreditation.

Uncertainty for 300 MHz – 3 GHz

<i>ERROR SOURCES (source of uncertainty)</i>	<i>Uncertainty value (%)</i>	<i>Prob. Dist.</i>	<i>Div.</i>	<i>ci (1g)</i>	<i>ci (10g)</i>	<i>Standard uncertainty (1g) (%)</i>	<i>Standard uncertainty (10g) (%)</i>
Measurement Equipment							
Probe Calibration	13.30%	N	2	1	1	6.65%	6.65%
Probe calibration drift	1.70%	R	√3	1	1	0.98%	0.98%
Axial Isotropy	4.70%	R	√3	0.7	0.7	1.90%	1.90%
Hemispherical Isotropy	9.60%	R	√3	0.7	0.7	3.88%	3.88%
Boundary effect	1.00%	R	√3	1	1	0.58%	0.58%
Linearity	4.70%	R	√3	1	1	2.71%	2.71%
System Detection limits	0.25%	R	√3	1	1	0.14%	0.14%
Probe modulation response	4.80%	N	1	1	1	4.80%	4.80%
Readout electronics	0.30%	N	1	1	1	0.30%	0.30%
Response time	1.01%	R	√3	1	1	0.58%	0.58%
Integration time	2.60%	R	√3	1	1	1.50%	1.50%
RF Ambient noise	3.00%	R	√3	1	1	1.73%	1.73%
RF Ambient reflections	3.00%	R	√3	1	1	1.73%	1.73%
Probe positioner mech. restrictions	0.40%	R	√3	1	1	0.23%	0.23%
Probe positioning with respect to phantom shell	2.90%	R	√3	1	1	1.67%	1.67%
Max. SAR Eval.	2.00%	R	√3	1	1	1.15%	1.15%
Test Sample Related							
Device holder uncertainty	3.60%	N	1	1	1	3.60%	3.60%
Test sample positioning	2.90%	N	1	1	1	2.90%	2.90%
Drift of output power	2.50%	N	1	1	1	2.50%	2.50%
System Validation source (dipole)							
Deviation of experimental dipole from numerical dipole	0.00%	N	1	0	0	0.00%	0.00%
Input power and SAR drift measurement	2.00%	R	√3	1	1	1.15%	1.15%
Dipole axis to liquid distance	3.40%	R	√3	1	1	1.96%	1.96%
Phantom and Setup							
Phantom uncertainty (shape and thickness tolerances)	6.10%	R	√3	1	1	3.52%	3.52%
Algorithm for correcting SAR for deviations in permittivity and conductivity	1.90%	N	1	1	0.84	1.90%	1.60%
Liquid conductivity (meas.)	3.57%	N	1	0.78	0.71	2.79%	2.54%
Liquid permittivity (meas.)	3.57%	N	1	0.26	0.26	0.93%	0.93%
Liquid conductivity – temperature uncertainty	2.30%	R	√3	0.78	0.71	1.04%	0.94%
Liquid permittivity – temperature uncertainty	0.36%	R	√3	0.23	0.26	0.05%	0.05%
Combined standard uncertainty (Validation antenna)	$u_c = \sqrt{\sum_{i=1}^m c_i^2 \cdot u_i^2}$					9.88%	9.75%
Expanded uncertainty (confidence interval of 95%)	$u_e = 2.00 \cdot u_c$					19.77%	19.51%
Combined standard uncertainty (DUT)	$u_c = \sqrt{\sum_{i=1}^m c_i^2 \cdot u_i^2}$					12.68%	12.58%
Expanded uncertainty (confidence interval of 95%)	$u_e = 2.00 \cdot u_c$					25.36%	25.16%

Table 2: Uncertainty Assessment for 300 MHz - 3 GHz.

4. SAR LIMIT

Having a worst-case measurement, the SAR limit is valid for general population/uncontrolled exposure.

The SAR values have to be averaged over a mass of 1 gr. (SAR 1 gr.) with the shape of a cube and averaged over a mass of 10 gr (Extremity SAR 10 gr). These levels could not exceed the values indicated in the application Standard:

Standard	Exposure	SAR	SAR Limit (W/kg)
FCC 47 CFR Part 1.1310, Paragraph (c)	General population/Uncontrolled	SAR 1-g.	1.6
FCC 47 CFR Part 1.1310, Paragraph (c)	General population/Uncontrolled Extremity	SAR 10-g.	4.0

Table 3: SAR limit

5. DEVICE UNDER TEST

5.1. Dimensions

Dimensions	Millimetres
Width x Height x Depth	190 x 200 x 90
Overall Diagonal:	230.0
Display Diagonal:	140.0

Table 4: DUT dimensions

5.2. Wireless Technology

Wireless Technology	Frequency Bands	Modes	Duty Cycle used for SAR testing
LTE CAT-M1	2/4/5/12/13/25/26/66	QPSK and 16-QAM	FDD: 29.4%,
LTE NB-IoT	2/4/5/12/13/25/26/66	QPSK and 16-QAM	FDD: 20.4%,

Table 5: Supported modes

5.3. Simultaneous Transmission

The DUT does not support simultaneous transmission.

5.4. Antenna Location

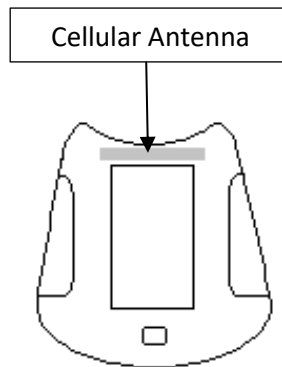


Figure 5: Antenna location sketch.

Appendix B: Test results

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1. TEST CONDITIONS

1.1. Power supply (V):

$V_n = 9\text{ V}$ rechargeable battery
Type of power supply = DC Voltage from rechargeable 9 V battery.

1.2. Temperature (°C):

$T_n = +20.00$ to $+25.00$
The subscript n indicates normal test conditions.

1.3. DUT information and test-site configurations

For all supported modes, the DUT was placed with each face and edge position against the flat phantom surface. Another back face position was tested in order to ensure that the distance between the phantom surface and the device was 0 mm.

The separation distance between DUT and flat phantom surface was 0 mm for all faces and edges.

1.4. Test signal, Output Power and Frequencies

The sample (S/01) was put into operation by using an R&S CMW 500 as base station simulator for LTE CAT M1 and LTE NB-IoT transmitting technologies. The output power of the device was set to Power Control Level (PCL) maximum for all tests.

A fully charged battery was used for every test sequence. In all operating bands and test positions, the measurements were performed on the middle channel. In each band, for those positions where the maximum averaged SAR was found, measurements were performed on the remaining required channels except those with applicable test reductions.

The maximum conducted time-averaged power of the device for each mode was measured with a power sensor R&S NRP-Z81.

The target power alignments, including tune-up tolerance, for RF components declared by the manufacturer for each supported technology are:

Technology / Mode	Band	Frequency (MHz)	Maximum Output Power (Incl. Tune-Up) (dBm)
LTE CAT M1/NB-IoT	2	1850 - 1910	25.0
LTE CAT M1/NB-IoT	4	1710 - 1755	25.0
LTE CAT M1/NB-IoT	5	824 - 849	25.0
LTE CAT M1/NB-IoT	12	699 - 716	25.0
LTE CAT M1/NB-IoT	13	777 - 787	25.0
LTE CAT M1/NB-IoT	25	1850 - 1915	25.0
LTE CAT M1/NB-IoT	26	814 - 849	25.0
LTE CAT M1/NB-IoT	66	1710 - 1780	25.0

2. CONDUCTED AVERAGE POWER MEASUREMENTS

2.1. LTE CAT M1

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	20.00	QPSK	0.0	1	0	18700.0	1860.00	22.27
			0.0	1	5	18700.0	1860.00	22.23
			7.0	1	0	18700.0	1860.00	22.19
			7.0	1	5	18700.0	1860.00	22.29
			15.0	1	0	18700.0	1860.00	22.04
			15.0	1	5	18700.0	1860.00	22.07
			0.0	3	0	18700.0	1860.00	22.01
			15.0	3	3	18700.0	1860.00	22.05
			0.0	6	0	18700.0	1860.00	22.39
			15.0	6	0	18700.0	1860.00	22.36
		16QAM	0.0	1	0	18700.0	1860.00	22.27
			0.0	1	5	18700.0	1860.00	22.30
			7.0	1	0	18700.0	1860.00	22.18
			7.0	1	5	18700.0	1860.00	22.21
			15.0	1	0	18700.0	1860.00	22.16
			15.0	1	5	18700.0	1860.00	22.18
			0.0	3	0	18700.0	1860.00	22.13
			15.0	3	3	18700.0	1860.00	22.16
			0.0	5	0	18700.0	1860.00	22.32
			15.0	5	0	18700.0	1860.00	22.39
		QPSK	0.0	1	0	18900.0	1880.00	22.38
			0.0	1	5	18900.0	1880.00	22.46
			7.0	1	0	18900.0	1880.00	22.22
			7.0	1	5	18900.0	1880.00	22.14
			15.0	1	0	18900.0	1880.00	22.09
			15.0	1	5	18900.0	1880.00	22.13
			0.0	3	0	18900.0	1880.00	22.08
			15.0	3	3	18900.0	1880.00	22.20
			0.0	6	0	18900.0	1880.00	22.26
			15.0	6	0	18900.0	1880.00	22.26
		16QAM	0.0	1	0	18900.0	1880.00	21.19
			0.0	1	5	18900.0	1880.00	21.17
			7.0	1	0	18900.0	1880.00	22.20
			7.0	1	5	18900.0	1880.00	22.24
			15.0	1	0	18900.0	1880.00	22.19
			15.0	1	5	18900.0	1880.00	22.22
			0.0	3	0	18900.0	1880.00	22.16
			15.0	3	3	18900.0	1880.00	22.19
			0.0	5	0	18900.0	1880.00	22.36
			15.0	5	0	18900.0	1880.00	22.34

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	20.00	QPSK	0.0	1	0	19100.0	1900.00	22.40
			0.0	1	5	19100.0	1900.00	22.42
			7.0	1	0	19100.0	1900.00	22.21
			7.0	1	5	19100.0	1900.00	22.13
			15.0	1	0	19100.0	1900.00	22.09
			15.0	1	5	19100.0	1900.00	22.12
			0.0	3	0	19100.0	1900.00	22.08
			15.0	3	3	19100.0	1900.00	22.09
			0.0	6	0	19100.0	1900.00	22.26
			15.0	6	0	19100.0	1900.00	22.25
		16QAM	0.0	1	0	19100.0	1900.00	22.18
			0.0	1	5	19100.0	1900.00	22.16
			7.0	1	0	19100.0	1900.00	22.20
			7.0	1	5	19100.0	1900.00	22.23
			15.0	1	0	19100.0	1900.00	22.18
			15.0	1	5	19100.0	1900.00	22.21
			0.0	3	0	19100.0	1900.00	22.16
			15.0	3	3	19100.0	1900.00	22.19
			0.0	5	0	19100.0	1900.00	22.35
			15.00	5	0	19100.0	1900.00	22.34
	15.00	QPSK	0.0	1	0	18675.0	1857.50	21.42
			0.0	1	5	18675.0	1857.50	21.40
			5.0	1	0	18675.0	1857.50	21.21
			5.0	1	5	18675.0	1857.50	21.13
			11.0	1	0	18675.0	1857.50	21.08
			11.0	1	5	18675.0	1857.50	21.12
			0.0	3	0	18675.0	1857.50	21.07
			11.0	3	3	18675.0	1857.50	21.09
			0.0	6	0	18675.0	1857.50	21.26
			11.0	6	0	18675.0	1857.50	21.24
		16QAM	0.0	1	0	18675.0	1857.50	21.18
			0.0	1	5	18675.0	1857.50	21.16
			5.0	1	0	18675.0	1857.50	21.19
			5.0	1	5	18675.0	1857.50	21.22
			11.0	1	0	18675.0	1857.50	21.18
			11.0	1	5	18675.0	1857.50	21.22
			0.0	3	0	18675.0	1857.50	21.16
			11.0	3	3	18675.0	1857.50	21.21
			0.0	6	0	18675.0	1857.50	21.19
			11.0	6	0	18675.0	1857.50	21.21

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	15.00	QPSK	0.0	1	0	18900.0	1880.00	21.27
			0.0	1	5	18900.0	1880.00	21.27
			5.0	1	0	18900.0	1880.00	21.26
			5.0	1	5	18900.0	1880.00	21.18
			11.0	1	0	18900.0	1880.00	21.07
			11.0	1	6	18900.0	1880.00	21.04
			0.0	3	0	18900.0	1880.00	21.07
			11.0	3	3	18900.0	1880.00	21.03
			0.0	6	0	18900.0	1880.00	21.06
			11.0	6	0	18900.0	1880.00	21.38
		16QAM	0.0	1	0	18900.0	1880.00	21.39
			0.0	1	5	18900.0	1880.00	21.26
			5.0	1	0	18900.0	1880.00	21.26
			5.0	1	5	18900.0	1880.00	21.26
			11.0	1	0	18900.0	1880.00	21.16
			11.0	1	5	18900.0	1880.00	21.20
			0.0	3	0	18900.0	1880.00	21.16
			11.0	3	3	18900.0	1880.00	21.20
			0.0	6	0	18900.0	1880.00	21.15
			11.0	6	0	18900.0	1880.00	21.19
		QPSK	0.0	1	0	19125.0	1902.50	21.18
			0.0	1	5	19125.0	1902.50	21.19
			5.0	1	0	19125.0	1902.50	21.26
			5.0	1	5	19125.0	1902.50	21.26
			11.0	1	0	19125.0	1902.50	21.25
			11.0	1	5	19125.0	1902.50	21.16
			0.0	3	0	19125.0	1902.50	21.06
			11.0	3	3	19125.0	1902.50	21.03
			0.0	6	0	19125.0	1902.50	21.06
			11.0	6	0	19125.0	1902.50	21.02
		16QAM	0.0	1	0	19125.0	1902.50	21.05
			0.0	1	5	19125.0	1902.50	21.37
			5.0	1	0	19125.0	1902.50	21.38
			5.0	1	5	19125.0	1902.50	21.25
			11.0	1	0	19125.0	1902.50	21.25
			11.0	1	5	19125.0	1902.50	21.25
			0.0	3	0	19125.0	1902.50	21.15
			11.0	3	3	19125.0	1902.50	21.19
			0.0	6	0	19125.0	1902.50	21.15
			11.0	6	0	19125.0	1902.50	21.19

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	10.00	QPSK	0.0	1	0	18650.0	1855.00	22.14
			0.0	1	5	18650.0	1855.00	22.18
			3.0	1	0	18650.0	1855.00	21.17
			3.0	1	5	18650.0	1855.00	21.18
			7.0	1	0	18650.0	1855.00	21.25
			7.0	1	5	18650.0	1855.00	21.25
			0.0	4	0	18650.0	1855.00	21.25
			7.0	4	2	18650.0	1855.00	21.16
			0.0	6	0	18650.0	1855.00	21.05
			7.0	6	0	18650.0	1855.00	21.02
		16QAM	0.0	1	0	18650.0	1855.00	21.06
			0.0	1	5	18650.0	1855.00	21.02
			3.0	1	0	18650.0	1855.00	21.05
			3.0	1	5	18650.0	1855.00	21.36
			7.0	1	0	18650.0	1855.00	21.37
			7.0	1	5	18650.0	1855.00	21.25
			0.0	4	0	18650.0	1855.00	21.25
			7.0	4	2	18650.0	1855.00	21.24
			0.0	6	0	18650.0	1855.00	21.19
			7.0	6	0	18650.0	1855.00	21.09
		QPSK	0.0	1	0	18900.0	1880.00	22.17
			0.0	1	5	18900.0	1880.00	22.18
			3.0	1	0	18900.0	1880.00	21.23
			3.0	1	5	18900.0	1880.00	21.23
			7.0	1	0	18900.0	1880.00	21.29
			7.0	1	5	18900.0	1880.00	21.34
			0.0	4	0	18900.0	1880.00	21.08
			7.0	4	2	18900.0	1880.00	21.12
			0.0	6	0	18900.0	1880.00	21.08
			7.0	6	0	18900.0	1880.00	21.11
		16QAM	0.0	1	0	18900.0	1880.00	20.14
			0.0	1	5	18900.0	1880.00	20.15
			3.0	1	0	18900.0	1880.00	20.22
			3.0	1	5	18900.0	1880.00	20.22
			7.0	1	0	18900.0	1880.00	21.23
			7.0	1	5	18900.0	1880.00	21.24
			0.0	4	0	18900.0	1880.00	21.23
			7.0	4	2	18900.0	1880.00	21.11
			0.0	6	0	18900.0	1880.00	21.17
			7.0	6	0	18900.0	1880.00	21.16

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	10.00	QPSK	0.0	1	0	19150.0	1905.00	21.22
			0.0	1	5	19150.0	1905.00	21.21
			3.0	1	0	19150.0	1905.00	21.07
			3.0	1	5	19150.0	1905.00	21.11
			7.0	1	0	19150.0	1905.00	21.07
			7.0	1	5	19150.0	1905.00	21.10
			0.0	4	0	19150.0	1905.00	20.13
			7.0	4	2	19150.0	1905.00	20.13
			0.0	6	0	19150.0	1905.00	21.22
			7.0	6	0	19150.0	1905.00	21.21
		16QAM	0.0	1	0	19150.0	1905.00	21.22
			0.0	1	5	19150.0	1905.00	21.24
			3.0	1	0	19150.0	1905.00	21.22
			3.0	1	5	19150.0	1905.00	21.23
			7.0	1	0	19150.0	1905.00	21.15
			7.0	1	5	19150.0	1905.00	21.15
			0.0	4	0	19150.0	1905.00	20.21
			7.0	4	2	19150.0	1905.00	20.22
			0.0	6	0	19150.0	1905.00	21.06
			7.0	6	0	19150.0	1905.00	21.11
	5.00	QPSK	0	1	0	18625.0	1852.50	21.06
			0	1	5	18625.0	1852.50	21.09
			1	1	0	18625.0	1852.50	21.25
			1	1	5	18625.0	1852.50	21.24
			3	1	0	18625.0	1852.50	21.21
			3	1	5	18625.0	1852.50	21.20
			0	3	0	18625.0	1852.50	22.42
			3	3	3	18625.0	1852.50	22.41
			0	6	0	18625.0	1852.50	21.39
			1	6	0	18625.0	1852.50	20.35
		16QAM	3	6	0	18625.0	1852.50	21.32
			0	1	0	18625.0	1852.50	21.34
			0	1	5	18625.0	1852.50	20.47
			1	1	0	18625.0	1852.50	20.14
			1	1	5	18625.0	1852.50	21.20
			3	1	0	18625.0	1852.50	21.43
			3	1	5	18625.0	1852.50	21.43
			0	3	0	18625.0	1852.50	20.39
			3	3	3	18625.0	1852.50	21.31
			0	6	0	18625.0	1852.50	21.33
			1	6	0	18625.0	1852.50	20.58
			3	6	0	18625.0	1852.50	20.27

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	5.00	QPSK	0	1	0	18900.0	1880.00	22.41
			0	1	5	18900.0	1880.00	22.43
			1	1	0	18900.0	1880.00	21.42
			1	1	5	18900.0	1880.00	21.27
			3	1	0	18900.0	1880.00	21.30
			3	1	5	18900.0	1880.00	21.33
			0	3	0	18900.0	1880.00	21.57
			3	3	3	18900.0	1880.00	21.26
			0	6	0	18900.0	1880.00	22.15
			1	6	0	18900.0	1880.00	22.20
			3	6	0	18900.0	1880.00	22.14
		16QAM	0	1	0	18900.0	1880.00	22.16
			0	1	5	18900.0	1880.00	22.13
			1	1	0	18900.0	1880.00	21.17
			1	1	5	18900.0	1880.00	21.36
			3	1	0	18900.0	1880.00	21.26
			3	1	5	18900.0	1880.00	21.45
			0	3	0	18900.0	1880.00	21.32
			3	3	3	18900.0	1880.00	21.22
			0	6	0	18900.0	1880.00	21.13
			1	6	0	18900.0	1880.00	21.09
			3	6	0	18900.0	1880.00	21.13
		QPSK	0	1	0	19175.0	1907.50	20.98
			0	1	5	19175.0	1907.50	21.00
			1	1	0	19175.0	1907.50	21.42
			1	1	5	19175.0	1907.50	21.32
			3	1	0	19175.0	1907.50	22.33
			3	1	5	19175.0	1907.50	22.20
			0	3	0	19175.0	1907.50	22.16
			3	3	3	19175.0	1907.50	22.20
			0	6	0	19175.0	1907.50	22.15
			1	6	0	19175.0	1907.50	22.19
			3	6	0	19175.0	1907.50	22.13
		16QAM	0	1	0	19175.0	1907.50	21.16
			0	1	5	19175.0	1907.50	21.32
			1	1	0	19175.0	1907.50	21.29
			1	1	5	19175.0	1907.50	21.40
			3	1	0	19175.0	1907.50	22.35
			3	1	5	19175.0	1907.50	21.19
			0	3	0	19175.0	1907.50	21.21
			3	3	3	19175.0	1907.50	21.16
			0	6	0	19175.0	1907.50	21.19
			1	6	0	19175.0	1907.50	21.13
			3	6	0	19175.0	1907.50	21.05

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	3.00	QPSK	0.0	1	0	18615.0	1851.50	22.38
			0.0	1	5	18615.0	1851.50	22.35
			1.0	1	0	18615.0	1851.50	22.26
			1.0	1	5	18615.0	1851.50	22.22
			0.0	3	3	18615.0	1851.50	22.14
			1.0	3	3	18615.0	1851.50	22.18
			0.0	6	0	18615.0	1851.50	22.13
			1.0	6	0	18615.0	1851.50	22.17
		16QAM	0.0	1	0	18615.0	1851.50	22.11
			0.0	1	5	18615.0	1851.50	22.14
			1.0	1	0	18615.0	1851.50	22.31
			1.0	1	5	18615.0	1851.50	22.33
			0.0	3	3	18615.0	1851.50	22.44
			1.0	3	3	18615.0	1851.50	22.40
			0.0	6	0	18615.0	1851.50	21.24
			1.0	6	0	18615.0	1851.50	21.13
		QPSK	0.0	1	0	18900.0	1880.00	22.09
			0.0	1	5	18900.0	1880.00	22.12
			1.0	1	0	18900.0	1880.00	22.06
			1.0	1	5	18900.0	1880.00	22.10
			0.0	3	3	18900.0	1880.00	22.43
			1.0	3	3	18900.0	1880.00	22.40
			0.0	6	0	18900.0	1880.00	22.33
			1.0	6	0	18900.0	1880.00	22.29
		16QAM	0.0	1	0	18900.0	1880.00	22.18
			0.0	1	5	18900.0	1880.00	22.22
			1.0	1	0	18900.0	1880.00	22.13
			1.0	1	5	18900.0	1880.00	22.17
			0.0	3	3	18900.0	1880.00	22.11
			1.0	3	3	18900.0	1880.00	22.14
			0.0	6	0	18900.0	1880.00	22.25
			1.0	6	0	18900.0	1880.00	22.22
		QPSK	0.0	1	0	19185.0	1908.50	22.33
			0.0	1	5	19185.0	1908.50	22.28
			1.0	1	0	19185.0	1908.50	22.24
			1.0	1	5	19185.0	1908.50	22.13
			0.0	3	3	19185.0	1908.50	22.08
			1.0	3	3	19185.0	1908.50	22.12
			0.0	6	0	19185.0	1908.50	22.06
			1.0	6	0	19185.0	1908.50	22.10
		16QAM	0.0	1	0	19185.0	1908.50	21.42
			0.0	1	5	19185.0	1908.50	21.39
			1.0	1	0	19185.0	1908.50	22.33
			1.0	1	5	19185.0	1908.50	22.28
			0.0	3	3	19185.0	1908.50	22.16
			1.0	3	3	19185.0	1908.50	22.19
			0.0	6	0	19185.0	1908.50	22.15
			1.0	6	0	19185.0	1908.50	22.17

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	1.40	QPSK	0.0	1	0	18067.0	1850.70	22.11
			0.0	1	5	18067.0	1850.70	22.15
			0.0	3	3	18067.0	1850.70	22.40
			0.0	6	0	18067.0	1850.70	22.44
		16QAM	0.0	1	0	18067.0	1850.70	21.42
			0.0	1	5	18067.0	1850.70	21.40
			0.0	3	3	18067.0	1850.70	21.20
			0.0	6	0	18067.0	1850.70	21.12
		QPSK	0.0	1	0	18900.0	1880.00	21.08
			0.0	1	5	18900.0	1880.00	21.11
			0.0	3	3	18900.0	1880.00	21.07
			0.0	6	0	18900.0	1880.00	21.08
		16QAM	0.0	1	0	18900.0	1880.00	21.37
			0.0	1	5	18900.0	1880.00	21.36
			0.0	3	3	18900.0	1880.00	21.30
			0.0	6	0	18900.0	1880.00	21.28
		QPSK	0.0	1	0	19193.0	1909.30	22.19
			0.0	1	5	19193.0	1909.30	22.22
			0.0	3	3	19193.0	1909.30	22.17
			0.0	6	0	19193.0	1909.30	22.20
		16QAM	0.0	1	0	19193.0	1909.30	22.14
			0.0	1	5	19193.0	1909.30	22.17
			0.0	3	3	19193.0	1909.30	22.44
			0.0	6	0	19193.0	1909.30	22.43
LTE/FDD4	20.00	QPSK	0.0	1	0	20175.0	1732.50	21.65
			0.0	1	5	20175.0	1732.50	21.70
			7.0	1	0	20175.0	1732.50	21.64
			7.0	1	5	20175.0	1732.50	21.66
			15.0	1	0	20175.0	1732.50	21.63
			15.0	1	5	20175.0	1732.50	21.67
			0.0	3	0	20175.0	1732.50	21.86
			15.0	3	3	20175.0	1732.50	21.76
			0.0	6	0	20175.0	1732.50	21.95
			15.0	6	0	20175.0	1732.50	21.82
		16QAM	0.0	1	0	20175.0	1732.50	20.72
			0.0	1	5	20175.0	1732.50	20.63
			7.0	1	0	20175.0	1732.50	20.59
			7.0	1	5	20175.0	1732.50	20.63
			15.0	1	0	20175.0	1732.50	20.48
			15.0	1	5	20175.0	1732.50	20.50
			0.0	3	0	20175.0	1732.50	20.92
			15.0	3	3	20175.0	1732.50	20.82
			0.0	5	0	20175.0	1732.50	21.83
			15.0	5	0	20175.0	1732.50	21.70

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD4	15.00	QPSK	0.0	1	0	20025.0	1717.50	21.66
			0.0	1	5	20025.0	1717.50	21.70
			5.0	1	0	20025.0	1717.50	21.65
			5.0	1	5	20025.0	1717.50	21.69
			11.0	1	0	20025.0	1717.50	21.63
			11.0	1	5	20025.0	1717.50	21.66
			0.0	3	0	20025.0	1717.50	21.82
			11.0	3	3	20025.0	1717.50	21.79
			0.0	6	0	20025.0	1717.50	21.90
			11.0	6	0	20025.0	1717.50	21.85
		16QAM	0.0	1	0	20025.0	1717.50	20.69
			0.0	1	5	20025.0	1717.50	20.71
			5.0	1	0	20025.0	1717.50	20.66
			5.0	1	5	20025.0	1717.50	20.69
			11.0	1	0	20025.0	1717.50	20.63
			11.0	1	5	20025.0	1717.50	20.85
			0.0	3	0	20025.0	1717.50	20.88
			11.0	3	3	20025.0	1717.50	20.85
			0.0	6	0	20025.0	1717.50	21.76
			11.0	6	0	20025.0	1717.50	21.72
		QPSK	0.0	1	0	20175.0	1732.50	21.64
			0.0	1	5	20175.0	1732.50	21.68
			5.0	1	0	20175.0	1732.50	21.63
			5.0	1	5	20175.0	1732.50	21.67
			11.0	1	0	20175.0	1732.50	21.63
			11.0	1	5	20175.0	1732.50	21.66
			0.0	3	0	20175.0	1732.50	21.81
			11.0	3	3	20175.0	1732.50	21.79
			0.0	6	0	20175.0	1732.50	21.94
			11.0	6	0	20175.0	1732.50	21.85
		16QAM	0.0	1	0	20175.0	1732.50	20.74
			0.0	1	5	20175.0	1732.50	20.63
			5.0	1	0	20175.0	1732.50	20.59
			5.0	1	5	20175.0	1732.50	20.62
			11.0	1	0	20175.0	1732.50	20.56
			11.0	1	5	20175.0	1732.50	20.60
			0.0	3	0	20175.0	1732.50	20.93
			11.0	3	3	20175.0	1732.50	20.90
			0.0	6	0	20175.0	1732.50	21.83
			11.0	6	0	20175.0	1732.50	21.79

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD4	15.00	QPSK	0.0	1	0	20325.0	1747.50	21.68
			0.0	1	5	20325.0	1747.50	21.72
			5.0	1	0	20325.0	1747.50	21.63
			5.0	1	5	20325.0	1747.50	21.67
			11.0	1	0	20325.0	1747.50	21.61
			11.0	1	5	20325.0	1747.50	21.64
			0.0	3	0	20325.0	1747.50	21.75
			11.0	3	3	20325.0	1747.50	21.72
			0.0	6	0	20325.0	1747.50	21.83
			11.0	6	0	20325.0	1747.50	21.78
		16QAM	0.0	1	0	20325.0	1747.50	20.74
			0.0	1	5	20325.0	1747.50	20.63
			5.0	1	0	20325.0	1747.50	20.58
			5.0	1	5	20325.0	1747.50	20.62
			11.0	1	0	20325.0	1747.50	20.56
			11.0	1	5	20325.0	1747.50	20.60
			0.0	3	0	20325.0	1747.50	20.92
			11.0	3	3	20325.0	1747.50	20.89
			0.0	6	0	20325.0	1747.50	21.83
			11.0	6	0	20325.0	1747.50	21.78
	10.00	QPSK	0.0	1	0	20000.0	1715.00	21.66
			0.0	1	5	20000.0	1715.00	21.69
			3.0	1	0	20000.0	1715.00	21.65
			3.0	1	5	20000.0	1715.00	21.67
			7.0	1	0	20000.0	1715.00	21.61
			7.0	1	5	20000.0	1715.00	21.65
			0.0	4	0	20000.0	1715.00	21.90
			7.0	4	2	20000.0	1715.00	21.94
			0.0	6	0	20000.0	1715.00	20.92
			7.0	6	0	20000.0	1715.00	20.90
		16QAM	0.0	1	0	20000.0	1715.00	20.70
			0.0	1	5	20000.0	1715.00	20.62
			3.0	1	0	20000.0	1715.00	20.58
			3.0	1	5	20000.0	1715.00	20.61
			7.0	1	0	20000.0	1715.00	20.57
			7.0	1	5	20000.0	1715.00	20.58
			0.0	4	0	20000.0	1715.00	20.87
			7.0	4	2	20000.0	1715.00	20.86
			0.0	6	0	20000.0	1715.00	20.80
			7.0	6	0	20000.0	1715.00	20.78

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD4	10.00	QPSK	0.0	1	0	20175.0	1732.50	21.69
			0.0	1	5	20175.0	1732.50	21.72
			3.0	1	0	20175.0	1732.50	21.67
			3.0	1	5	20175.0	1732.50	21.70
			7.0	1	0	20175.0	1732.50	21.64
			7.0	1	5	20175.0	1732.50	21.67
			0.0	4	0	20175.0	1732.50	21.94
			7.0	4	2	20175.0	1732.50	21.93
			0.0	6	0	20175.0	1732.50	20.91
			7.0	6	0	20175.0	1732.50	20.89
		16QAM	0.0	1	0	20175.0	1732.50	20.69
			0.0	1	5	20175.0	1732.50	20.74
			3.0	1	0	20175.0	1732.50	20.69
			3.0	1	5	20175.0	1732.50	20.73
			7.0	1	0	20175.0	1732.50	20.68
			7.0	1	5	20175.0	1732.50	20.70
			0.0	4	0	20175.0	1732.50	20.86
			7.0	4	2	20175.0	1732.50	20.85
			0.0	6	0	20175.0	1732.50	20.79
			7.0	6	0	20175.0	1732.50	20.77
		QPSK	0.0	1	0	20350.0	1750.00	21.68
			0.0	1	5	20350.0	1750.00	21.71
			3.0	1	0	20350.0	1750.00	21.67
			3.0	1	5	20350.0	1750.00	21.69
			7.0	1	0	20350.0	1750.00	21.64
			7.0	1	5	20350.0	1750.00	21.67
			0.0	4	0	20350.0	1750.00	21.93
			7.0	4	2	20350.0	1750.00	21.92
			0.0	6	0	20350.0	1750.00	20.90
			7.0	6	0	20350.0	1750.00	20.88
		16QAM	0.0	1	0	20350.0	1750.00	20.69
			0.0	1	5	20350.0	1750.00	20.73
			3.0	1	0	20350.0	1750.00	20.69
			3.0	1	5	20350.0	1750.00	20.73
			7.0	1	0	20350.0	1750.00	20.68
			7.0	1	5	20350.0	1750.00	20.70
			0.0	4	0	20350.0	1750.00	20.86
			7.0	4	2	20350.0	1750.00	20.85
			0.0	6	0	20350.0	1750.00	20.79
			7.0	6	0	20350.0	1750.00	20.77

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD4	5.00	QPSK	0.0	1	0	19975.0	1712.50	21.67
			0.0	1	5	19975.0	1712.50	21.71
			1.0	1	0	19975.0	1712.50	21.66
			1.0	1	5	19975.0	1712.50	21.70
			3.0	1	0	19975.0	1712.50	21.65
			3.0	1	5	19975.0	1712.50	21.69
			0.0	3	0	19975.0	1712.50	20.68
			3.0	3	3	19975.0	1712.50	20.69
			0.0	6	0	19975.0	1712.50	20.76
			1.0	6	0	19975.0	1712.50	20.75
			3.0	6	0	19975.0	1712.50	20.75
		16QAM	0.0	1	0	19975.0	1712.50	20.78
			0.0	1	5	19975.0	1712.50	20.68
			1.0	1	0	19975.0	1712.50	20.65
			1.0	1	5	19975.0	1712.50	20.68
			3.0	1	0	19975.0	1712.50	20.64
			3.0	1	5	19975.0	1712.50	20.67
			0.0	3	0	19975.0	1712.50	20.86
			3.0	3	3	19975.0	1712.50	20.87
			0.0	6	0	19975.0	1712.50	20.75
			1.0	6	0	19975.0	1712.50	20.75
			3.0	6	0	19975.0	1712.50	20.74
		QPSK	0.0	1	0	20175.0	1732.50	21.64
			0.0	1	5	20175.0	1732.50	21.68
			1.0	1	0	20175.0	1732.50	21.64
			1.0	1	5	20175.0	1732.50	21.69
			3.0	1	0	20175.0	1732.50	21.63
			3.0	1	5	20175.0	1732.50	21.67
			0.0	3	0	20175.0	1732.50	20.66
			3.0	3	3	20175.0	1732.50	20.67
			0.0	6	0	20175.0	1732.50	20.74
			1.0	6	0	20175.0	1732.50	20.74
			3.0	6	0	20175.0	1732.50	20.73
		16QAM	0.0	1	0	20175.0	1732.50	20.77
			0.0	1	5	20175.0	1732.50	20.67
			1.0	1	0	20175.0	1732.50	20.64
			1.0	1	5	20175.0	1732.50	20.67
			3.0	1	0	20175.0	1732.50	20.63
			3.0	1	5	20175.0	1732.50	20.66
			0.0	3	0	20175.0	1732.50	20.86
			3.0	3	3	20175.0	1732.50	20.91
			0.0	6	0	20175.0	1732.50	20.73
			1.0	6	0	20175.0	1732.50	20.73
			3.0	6	0	20175.0	1732.50	20.73

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD4	5.00	QPSK	0.0	1	0	20375.0	1752.50	21.63
			0.0	1	5	20375.0	1752.50	21.68
			1.0	1	0	20375.0	1752.50	21.63
			1.0	1	5	20375.0	1752.50	21.68
			3.0	1	0	20375.0	1752.50	21.62
			3.0	1	5	20375.0	1752.50	21.67
			0.0	3	0	20375.0	1752.50	20.66
			3.0	3	3	20375.0	1752.50	20.67
			0.0	6	0	20375.0	1752.50	20.74
			1.0	6	0	20375.0	1752.50	20.73
			3.0	6	0	20375.0	1752.50	20.73
		16QAM	0.0	1	0	20375.0	1752.50	20.83
			0.0	1	5	20375.0	1752.50	20.72
			1.0	1	0	20375.0	1752.50	20.57
			1.0	1	5	20375.0	1752.50	20.60
			3.0	1	0	20375.0	1752.50	20.56
			3.0	1	5	20375.0	1752.50	20.59
			0.0	3	0	20375.0	1752.50	20.79
			3.0	3	3	20375.0	1752.50	20.80
			0.0	6	0	20375.0	1752.50	20.67
			1.0	6	0	20375.0	1752.50	20.68
			3.0	6	0	20375.0	1752.50	20.67
	3.00	QPSK	0.0	1	0	19965.0	1711.50	21.66
			0.0	1	5	19965.0	1711.50	21.68
			1.0	1	0	19965.0	1711.50	21.66
			1.0	1	5	19965.0	1711.50	21.67
			0.0	3	3	19965.0	1711.50	20.72
			1.0	3	3	19965.0	1711.50	20.84
			0.0	6	0	19965.0	1711.50	19.89
			1.0	6	0	19965.0	1711.50	19.88
		16QAM	0.0	1	0	19965.0	1711.50	20.69
			0.0	1	5	19965.0	1711.50	20.72
			1.0	1	0	19965.0	1711.50	20.68
			1.0	1	5	19965.0	1711.50	20.74
			0.0	3	3	19965.0	1711.50	19.74
			1.0	3	3	19965.0	1711.50	19.74
			0.0	6	0	19965.0	1711.50	19.70
			1.0	6	0	19965.0	1711.50	19.69

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD4	3.00	QPSK	0.0	1	0	20175.0	1732.50	21.71
			0.0	1	5	20175.0	1732.50	21.72
			1.0	1	0	20175.0	1732.50	21.71
			1.0	1	5	20175.0	1732.50	21.59
			0.0	3	3	20175.0	1732.50	20.65
			1.0	3	3	20175.0	1732.50	20.74
			0.0	6	0	20175.0	1732.50	19.82
			1.0	6	0	20175.0	1732.50	19.81
		16QAM	0.0	1	0	20175.0	1732.50	20.67
			0.0	1	5	20175.0	1732.50	20.70
			1.0	1	0	20175.0	1732.50	20.68
			1.0	1	5	20175.0	1732.50	20.70
			0.0	3	3	20175.0	1732.50	19.75
			1.0	3	3	20175.0	1732.50	19.73
			0.0	6	0	20175.0	1732.50	19.83
			1.0	6	0	20175.0	1732.50	19.80
		QPSK	0.0	1	0	20385.0	1753.50	21.69
			0.0	1	5	20385.0	1753.50	21.60
			1.0	1	0	20385.0	1753.50	21.69
			1.0	1	5	20385.0	1753.50	21.70
			0.0	3	3	20385.0	1753.50	20.73
			1.0	3	3	20385.0	1753.50	20.86
			0.0	6	0	20385.0	1753.50	19.80
			1.0	6	0	20385.0	1753.50	19.80
		16QAM	0.0	1	0	20385.0	1753.50	20.67
			0.0	1	5	20385.0	1753.50	20.69
			1.0	1	0	20385.0	1753.50	20.68
			1.0	1	5	20385.0	1753.50	20.69
			0.0	3	3	20385.0	1753.50	19.72
			1.0	3	3	20385.0	1753.50	19.73
			0.0	6	0	20385.0	1753.50	19.79
			1.0	6	0	20385.0	1753.50	19.80
	1.40	QPSK	0.0	1	0	19957.0	1710.70	21.93
			0.0	1	5	19957.0	1710.70	21.94
			0.0	3	3	19957.0	1710.70	20.90
			0.0	6	0	19957.0	1710.70	19.88
		16QAM	0.0	1	0	19957.0	1710.70	20.92
			0.0	1	5	19957.0	1710.70	20.94
			0.0	3	3	19957.0	1710.70	20.06
			0.0	6	0	19957.0	1710.70	19.76
		QPSK	0.0	1	0	20175.0	1732.50	21.78
			0.0	1	5	20175.0	1732.50	21.92
			0.0	3	3	20175.0	1732.50	20.89
			0.0	6	0	20175.0	1732.50	19.87
		16QAM	0.0	1	0	20175.0	1732.50	20.90
			0.0	1	5	20175.0	1732.50	20.92
			0.0	3	3	20175.0	1732.50	20.05
			0.0	6	0	20175.0	1732.50	19.74

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD4	1.40	QPSK	0.0	1	0	20393.0	1754.30	21.77
			0.0	1	5	20393.0	1754.30	21.79
			0.0	3	3	20393.0	1754.30	20.87
			0.0	6	0	20393.0	1754.30	19.85
		16QAM	0.0	1	0	20393.0	1754.30	20.89
			0.0	1	5	20393.0	1754.30	20.91
			0.0	3	3	20393.0	1754.30	20.16
			0.0	6	0	20393.0	1754.30	19.84
LTE/FDD5	10.00	QPSK	0.0	1	0	20525.0	836.50	21.95
			0.0	1	5	20525.0	836.50	21.97
			3.0	1	0	20525.0	836.50	21.94
			3.0	1	5	20525.0	836.50	21.96
			7.0	1	0	20525.0	836.50	21.99
			7.0	1	5	20525.0	836.50	22.01
			0.0	4	0	20525.0	836.50	22.08
			7.0	4	2	20525.0	836.50	22.05
			0.0	6	0	20525.0	836.50	20.93
		16QAM	7.0	6	0	20525.0	836.50	21.00
			0.0	1	0	20525.0	836.50	21.52
			0.0	1	5	20525.0	836.50	21.55
			3.0	1	0	20525.0	836.50	21.41
			3.0	1	5	20525.0	836.50	21.43
			7.0	1	0	20525.0	836.50	21.48
			7.0	1	5	20525.0	836.50	21.48
			0.0	4	0	20525.0	836.50	21.04
			7.0	4	2	20525.0	836.50	21.11
			0.0	6	0	20525.0	836.50	20.91
			7.0	6	0	20525.0	836.50	20.99
	5.00	QPSK	0.0	1	0	20425.0	826.50	21.85
			0.0	1	5	20425.0	826.50	21.88
			1.0	1	0	20425.0	826.50	21.85
			1.0	1	5	20425.0	826.50	21.94
			3.0	1	0	20425.0	826.50	21.90
			3.0	1	5	20425.0	826.50	21.90
			0.0	3	0	20425.0	826.50	20.94
			3.0	3	3	20425.0	826.50	20.96
			0.0	6	0	20425.0	826.50	21.01
			1.0	6	0	20425.0	826.50	21.02
			3.0	6	0	20425.0	826.50	21.02
		16QAM	0.0	1	0	20425.0	826.50	21.49
			0.0	1	5	20425.0	826.50	21.50
			1.0	1	0	20425.0	826.50	21.49
			1.0	1	5	20425.0	826.50	21.50
			3.0	1	0	20425.0	826.50	21.55
			3.0	1	5	20425.0	826.50	21.44
			0.0	3	0	20425.0	826.50	21.03
			3.0	3	3	20425.0	826.50	21.04
			0.0	6	0	20425.0	826.50	20.89
			1.0	6	0	20425.0	826.50	20.90
			3.0	6	0	20425.0	826.50	20.90

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD5	5.00	QPSK	0.0	1	0	20525.0	836.50	21.88
			0.0	1	5	20525.0	836.50	21.91
			1.0	1	0	20525.0	836.50	21.88
			1.0	1	5	20525.0	836.50	21.92
			3.0	1	0	20525.0	836.50	21.88
			3.0	1	5	20525.0	836.50	21.92
			0.0	3	0	20525.0	836.50	20.92
			3.0	3	3	20525.0	836.50	20.95
			0.0	6	0	20525.0	836.50	21.00
			1.0	6	0	20525.0	836.50	21.00
			3.0	6	0	20525.0	836.50	21.01
			0.0	1	0	20525.0	836.50	21.54
		16QAM	0.0	1	5	20525.0	836.50	21.55
			1.0	1	0	20525.0	836.50	21.41
			1.0	1	5	20525.0	836.50	21.43
			3.0	1	0	20525.0	836.50	21.41
			3.0	1	5	20525.0	836.50	21.43
			0.0	3	0	20525.0	836.50	21.08
			3.0	3	3	20525.0	836.50	21.10
			0.0	6	0	20525.0	836.50	20.93
			1.0	6	0	20525.0	836.50	20.89
			3.0	6	0	20525.0	836.50	20.89
			0.0	1	0	20625.0	846.50	21.87
			0.0	1	5	20625.0	846.50	21.96
		QPSK	1.0	1	0	20625.0	846.50	21.93
			1.0	1	5	20625.0	846.50	21.97
			3.0	1	0	20625.0	846.50	21.93
			3.0	1	5	20625.0	846.50	20.94
			0.0	3	0	20625.0	846.50	20.98
			3.0	3	3	20625.0	846.50	20.99
			0.0	6	0	20625.0	846.50	20.99
			1.0	6	0	20625.0	846.50	21.05
			3.0	6	0	20625.0	846.50	21.00
			0.0	1	0	20625.0	846.50	21.53
			0.0	1	5	20625.0	846.50	21.54
		16QAM	1.0	1	0	20625.0	846.50	21.41
			1.0	1	5	20625.0	846.50	21.42
			3.0	1	0	20625.0	846.50	21.41
			3.0	1	5	20625.0	846.50	21.42
			0.0	3	0	20625.0	846.50	21.08
			3.0	3	3	20625.0	846.50	21.09
			0.0	6	0	20625.0	846.50	20.93
			1.0	6	0	20625.0	846.50	20.94
			3.0	6	0	20625.0	846.50	20.94

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD5	3.00	QPSK	0.0	1	0	20415.0	825.50	22.00
			0.0	1	5	20415.0	825.50	21.90
			1.0	1	0	20415.0	825.50	21.89
			1.0	1	5	20415.0	825.50	21.89
			0.0	3	3	20415.0	825.50	20.93
			1.0	3	3	20415.0	825.50	20.93
			0.0	6	0	20415.0	825.50	20.14
			1.0	6	0	20415.0	825.50	20.08
		16QAM	0.0	1	0	20415.0	825.50	20.81
			0.0	1	5	20415.0	825.50	20.83
			1.0	1	0	20415.0	825.50	20.82
			1.0	1	5	20415.0	825.50	20.83
			0.0	3	3	20415.0	825.50	19.94
			1.0	3	3	20415.0	825.50	19.93
			0.0	6	0	20415.0	825.50	19.95
			1.0	6	0	20415.0	825.50	19.94
		QPSK	0.0	1	0	20525.0	836.50	21.91
			0.0	1	5	20525.0	836.50	21.93
			1.0	1	0	20525.0	836.50	21.92
			1.0	1	5	20525.0	836.50	21.92
			0.0	3	3	20525.0	836.50	20.96
			1.0	3	3	20525.0	836.50	20.97
			0.0	6	0	20525.0	836.50	20.07
			1.0	6	0	20525.0	836.50	20.06
		16QAM	0.0	1	0	20525.0	836.50	20.93
			0.0	1	5	20525.0	836.50	20.81
			1.0	1	0	20525.0	836.50	20.79
			1.0	1	5	20525.0	836.50	20.82
			0.0	3	3	20525.0	836.50	19.92
			1.0	3	3	20525.0	836.50	19.93
			0.0	6	0	20525.0	836.50	19.93
			1.0	6	0	20525.0	836.50	19.93
		QPSK	0.0	1	0	20635.0	847.40	21.90
			0.0	1	5	20635.0	847.40	21.91
			1.0	1	0	20635.0	847.40	21.91
			1.0	1	5	20635.0	847.40	21.91
			0.0	3	3	20635.0	847.40	20.95
			1.0	3	3	20635.0	847.40	20.96
			0.0	6	0	20635.0	847.40	20.07
			1.0	6	0	20635.0	847.40	20.06
		16QAM	0.0	1	0	20635.0	847.40	20.93
			0.0	1	5	20635.0	847.40	20.93
			1.0	1	0	20635.0	847.40	20.92
			1.0	1	5	20635.0	847.40	20.82
			0.0	3	3	20635.0	847.40	19.92
			1.0	3	3	20635.0	847.40	19.92
			0.0	6	0	20635.0	847.40	19.92
			1.0	6	0	20635.0	847.40	19.91

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD5	1.40	QPSK	0.0	1	0	20407.0	824.70	22.08
			0.0	1	5	20407.0	824.70	22.07
			0.0	3	3	20407.0	824.70	21.05
			0.0	6	0	20407.0	824.70	20.13
		16QAM	0.0	1	0	20407.0	824.70	21.19
			0.0	1	5	20407.0	824.70	21.07
			0.0	3	3	20407.0	824.70	20.13
			0.0	6	0	20407.0	824.70	19.88
		QPSK	0.0	1	0	20525.0	836.50	21.98
			0.0	1	5	20525.0	836.50	21.99
			0.0	3	3	20525.0	836.50	20.98
			0.0	6	0	20525.0	836.50	19.98
		16QAM	0.0	1	0	20525.0	836.50	21.05
			0.0	1	5	20525.0	836.50	21.06
			0.0	3	3	20525.0	836.50	20.12
			0.0	6	0	20525.0	836.50	19.86
		QPSK	0.0	1	0	20643.0	848.20	21.97
			0.0	1	5	20643.0	848.20	21.97
			0.0	3	3	20643.0	848.20	20.97
			0.0	6	0	20643.0	848.20	19.97
		16QAM	0.0	1	0	20643.0	848.20	21.03
			0.0	1	5	20643.0	848.20	21.04
			0.0	3	3	20643.0	848.20	20.22
			0.0	6	0	20643.0	848.20	19.96
LTE/FDD12	10.00	QPSK	0.0	1	0	23095.0	707.50	21.97
			0.0	1	5	23095.0	707.50	21.99
			3.0	1	0	23095.0	707.50	21.96
			3.0	1	5	23095.0	707.50	21.98
			7.0	1	0	23095.0	707.50	21.94
			7.0	1	5	23095.0	707.50	21.95
			0.0	4	0	23095.0	707.50	22.19
			7.0	4	2	23095.0	707.50	22.18
			0.0	6	0	23095.0	707.50	21.15
			7.0	6	0	23095.0	707.50	21.14
		16QAM	0.0	1	0	23095.0	707.50	21.62
			0.0	1	5	23095.0	707.50	21.65
			3.0	1	0	23095.0	707.50	21.63
			3.0	1	5	23095.0	707.50	21.65
			7.0	1	0	23095.0	707.50	21.49
			7.0	1	5	23095.0	707.50	21.54
			0.0	4	0	23095.0	707.50	21.05
			7.0	4	2	23095.0	707.50	21.17
			0.0	6	0	23095.0	707.50	21.14
			7.0	6	0	23095.0	707.50	21.13

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD12	5.00	QPSK	0.0	1	0	23035.0	701.50	21.96
			0.0	1	5	23035.0	701.50	21.99
			1.0	1	0	23035.0	701.50	21.96
			1.0	1	5	23035.0	701.50	21.99
			3.0	1	0	23035.0	701.50	21.96
			3.0	1	5	23035.0	701.50	21.99
			0.0	3	0	23035.0	701.50	21.09
			3.0	3	3	23035.0	701.50	21.11
			0.0	6	0	23035.0	701.50	21.15
			1.0	6	0	23035.0	701.50	21.16
			3.0	6	0	23035.0	701.50	21.17
		16QAM	0.0	1	0	23035.0	701.50	21.62
			0.0	1	5	23035.0	701.50	21.63
			1.0	1	0	23035.0	701.50	21.61
			1.0	1	5	23035.0	701.50	21.63
			3.0	1	0	23035.0	701.50	21.61
			3.0	1	5	23035.0	701.50	21.62
			0.0	3	0	23035.0	701.50	21.20
			3.0	3	3	23035.0	701.50	21.21
			0.0	6	0	23035.0	701.50	21.14
			1.0	6	0	23035.0	701.50	21.15
			3.0	6	0	23035.0	701.50	21.15
		QPSK	0.0	1	0	23095.0	707.50	22.03
			0.0	1	5	23095.0	707.50	22.06
			1.0	1	0	23095.0	707.50	21.94
			1.0	1	5	23095.0	707.50	21.97
			3.0	1	0	23095.0	707.50	21.94
			3.0	1	5	23095.0	707.50	21.97
			0.0	3	0	23095.0	707.50	21.07
			3.0	3	3	23095.0	707.50	21.09
			0.0	6	0	23095.0	707.50	21.14
			1.0	6	0	23095.0	707.50	21.15
			3.0	6	0	23095.0	707.50	21.15
		16QAM	0.0	1	0	23095.0	707.50	21.66
			0.0	1	5	23095.0	707.50	21.67
			1.0	1	0	23095.0	707.50	21.66
			1.0	1	5	23095.0	707.50	21.67
			3.0	1	0	23095.0	707.50	21.66
			3.0	1	5	23095.0	707.50	21.67
			0.0	3	0	23095.0	707.50	21.25
			3.0	3	3	23095.0	707.50	21.26
			0.0	6	0	23095.0	707.50	21.18
			1.0	6	0	23095.0	707.50	21.14
			3.0	6	0	23095.0	707.50	21.14

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD12	5.00	QPSK	0.0	1	0	23155.0	713.50	21.97
			0.0	1	5	23155.0	713.50	21.95
			1.0	1	0	23155.0	713.50	21.98
			1.0	1	5	23155.0	713.50	22.01
			3.0	1	0	23155.0	713.50	21.98
			3.0	1	5	23155.0	713.50	21.98
			0.0	3	0	23155.0	713.50	21.11
			3.0	3	3	23155.0	713.50	21.14
			0.0	6	0	23155.0	713.50	21.18
			1.0	6	0	23155.0	713.50	21.19
			3.0	6	0	23155.0	713.50	21.20
		16QAM	0.0	1	0	23155.0	713.50	21.65
			0.0	1	5	23155.0	713.50	21.66
			1.0	1	0	23155.0	713.50	21.65
			1.0	1	5	23155.0	713.50	21.67
			3.0	1	0	23155.0	713.50	21.65
			3.0	1	5	23155.0	713.50	21.66
			0.0	3	0	23155.0	713.50	21.24
			3.0	3	3	23155.0	713.50	21.25
			0.0	6	0	23155.0	713.50	21.18
			1.0	6	0	23155.0	713.50	21.18
			3.0	6	0	23155.0	713.50	21.19
	3.00	QPSK	0.0	1	0	23025.0	700.50	22.02
			0.0	1	5	23025.0	700.50	22.03
			1.0	1	0	23025.0	700.50	22.03
			1.0	1	5	23025.0	700.50	22.02
			0.0	3	3	23025.0	700.50	21.05
			1.0	3	3	23025.0	700.50	21.05
			0.0	6	0	23025.0	700.50	20.15
			1.0	6	0	23025.0	700.50	20.16
		16QAM	0.0	1	0	23025.0	700.50	20.93
			0.0	1	5	23025.0	700.50	20.94
			1.0	1	0	23025.0	700.50	20.93
			1.0	1	5	23025.0	700.50	20.94
			0.0	3	3	23025.0	700.50	20.00
			1.0	3	3	23025.0	700.50	20.14
			0.0	6	0	23025.0	700.50	20.14
			1.0	6	0	23025.0	700.50	20.14

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD12	3.00	QPSK	0.0	1	0	23095.0	707.50	22.01
			0.0	1	5	23095.0	707.50	22.01
			1.0	1	0	23095.0	707.50	22.01
			1.0	1	5	23095.0	707.50	22.01
			0.0	3	3	23095.0	707.50	21.15
			1.0	3	3	23095.0	707.50	21.15
			0.0	6	0	23095.0	707.50	20.25
			1.0	6	0	23095.0	707.50	20.25
		16QAM	0.0	1	0	23095.0	707.50	20.91
			0.0	1	5	23095.0	707.50	20.93
			1.0	1	0	23095.0	707.50	20.93
			1.0	1	5	23095.0	707.50	20.93
			0.0	3	3	23095.0	707.50	19.99
			1.0	3	3	23095.0	707.50	20.13
			0.0	6	0	23095.0	707.50	20.13
			1.0	6	0	23095.0	707.50	20.13
		QPSK	0.0	1	0	23165.0	714.50	21.99
			0.0	1	5	23165.0	714.50	22.00
			1.0	1	0	23165.0	714.50	22.01
			1.0	1	5	23165.0	714.50	22.00
			0.0	3	3	23165.0	714.50	21.03
			1.0	3	3	23165.0	714.50	21.03
			0.0	6	0	23165.0	714.50	20.12
			1.0	6	0	23165.0	714.50	20.13
		16QAM	0.0	1	0	23165.0	714.50	20.90
			0.0	1	5	23165.0	714.50	20.92
			1.0	1	0	23165.0	714.50	20.91
			1.0	1	5	23165.0	714.50	20.92
			0.0	3	3	23165.0	714.50	20.12
			1.0	3	3	23165.0	714.50	20.13
			0.0	6	0	23165.0	714.50	20.12
			1.0	6	0	23165.0	714.50	20.13
	1.40	QPSK	0.0	1	0	23017.0	699.70	22.11
			0.0	1	5	23017.0	699.70	22.11
			0.0	3	3	23017.0	699.70	21.18
			0.0	6	0	23017.0	699.70	20.20
		16QAM	0.0	1	0	23017.0	699.70	21.27
			0.0	1	5	23017.0	699.70	21.28
			0.0	3	3	23017.0	699.70	20.44
			0.0	6	0	23017.0	699.70	20.19
		QPSK	0.0	1	0	23095.0	707.50	22.19
			0.0	1	5	23095.0	707.50	22.19
			0.0	3	3	23095.0	707.50	21.27
			0.0	6	0	23095.0	707.50	20.18
		16QAM	0.0	1	0	23095.0	707.50	21.25
			0.0	1	5	23095.0	707.50	21.20
			0.0	3	3	23095.0	707.50	20.38
			0.0	6	0	23095.0	707.50	20.12

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD12	1.40	QPSK	0.0	1	0	23173.0	715.30	22.12
			0.0	1	5	23173.0	715.30	22.13
			0.0	3	3	23173.0	715.30	21.20
			0.0	6	0	23173.0	715.30	20.23
		16QAM	0.0	1	0	23173.0	715.30	21.29
			0.0	1	5	23173.0	715.30	21.19
			0.0	3	3	23173.0	715.30	20.38
			0.0	6	0	23173.0	715.30	20.11
LTE/FDD13	10.00	QPSK	0.0	1	0	23230.0	782.00	21.11
			0.0	1	5	23230.0	782.00	21.12
			3.0	1	0	23230.0	782.00	21.09
			3.0	1	5	23230.0	782.00	21.08
			7.0	1	0	23230.0	782.00	21.03
			7.0	1	5	23230.0	782.00	21.03
			0.0	4	0	23230.0	782.00	21.24
			7.0	4	2	23230.0	782.00	21.27
			0.0	6	0	23230.0	782.00	20.36
		16QAM	7.0	6	0	23230.0	782.00	20.32
			0.0	1	0	23230.0	782.00	20.81
			0.0	1	5	23230.0	782.00	20.81
			3.0	1	0	23230.0	782.00	20.79
			3.0	1	5	23230.0	782.00	20.79
			7.0	1	0	23230.0	782.00	20.75
			7.0	1	5	23230.0	782.00	20.73
			0.0	4	0	23230.0	782.00	20.30
			7.0	4	2	23230.0	782.00	20.25
			0.0	6	0	23230.0	782.00	20.24
			7.0	6	0	23230.0	782.00	20.18
	5.00	QPSK	0.0	1	0	23230.0	782.00	21.31
			0.0	1	5	23230.0	782.00	21.31
			1.0	1	0	23230.0	782.00	21.28
			1.0	1	5	23230.0	782.00	21.28
			3.0	1	0	23230.0	782.00	21.28
			3.0	1	5	23230.0	782.00	21.28
			0.0	3	0	23230.0	782.00	20.27
			3.0	3	3	23230.0	782.00	20.25
			0.0	6	0	23230.0	782.00	20.29
			1.0	6	0	23230.0	782.00	20.26
		16QAM	3.0	6	0	23230.0	782.00	20.26
			0.0	1	0	23230.0	782.00	21.04
			0.0	1	5	23230.0	782.00	21.03
			1.0	1	0	23230.0	782.00	21.00
			1.0	1	5	23230.0	782.00	20.94
		16QAM	3.0	1	0	23230.0	782.00	20.94
			3.0	1	5	23230.0	782.00	20.94
			0.0	3	0	23230.0	782.00	20.42
			3.0	3	3	23230.0	782.00	20.41
			0.0	6	0	23230.0	782.00	20.27
			1.0	6	0	23230.0	782.00	20.24
			3.0	6	0	23230.0	782.00	20.24

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD25	20.00	QPSK	0.0	1	0	26140.0	1860.00	21.33
			0.0	1	5	26140.0	1860.00	21.37
			7.0	1	0	26140.0	1860.00	21.40
			7.0	1	5	26140.0	1860.00	21.33
			15.0	1	0	26140.0	1860.00	21.44
			15.0	1	5	26140.0	1860.00	21.38
			0.0	3	0	26140.0	1860.00	21.37
			15.0	3	3	26140.0	1860.00	21.41
			0.0	6	0	26140.0	1860.00	21.54
			15.0	6	0	26140.0	1860.00	21.50
		16QAM	0.0	1	0	26140.0	1860.00	20.45
			0.0	1	5	26140.0	1860.00	20.36
			7.0	1	0	26140.0	1860.00	20.30
			7.0	1	5	26140.0	1860.00	20.34
			15.0	1	0	26140.0	1860.00	20.37
			15.0	1	5	26140.0	1860.00	20.39
			0.0	3	0	26140.0	1860.00	20.63
			15.0	3	3	26140.0	1860.00	20.69
			0.0	5	0	26140.0	1860.00	21.53
			15.0	5	0	26140.0	1860.00	21.55
		QPSK	0.0	1	0	26365.0	1882.50	21.50
			0.0	1	5	26365.0	1882.50	21.49
			7.0	1	0	26365.0	1882.50	21.42
			7.0	1	5	26365.0	1882.50	21.35
			15.0	1	0	26365.0	1882.50	21.46
			15.0	1	5	26365.0	1882.50	21.50
			0.0	3	0	26365.0	1882.50	21.45
			15.0	3	3	26365.0	1882.50	21.50
			0.0	6	0	26365.0	1882.50	21.53
			15.0	6	0	26365.0	1882.50	21.55
		16QAM	0.0	1	0	26365.0	1882.50	20.44
			0.0	1	5	26365.0	1882.50	20.36
			7.0	1	0	26365.0	1882.50	20.30
			7.0	1	5	26365.0	1882.50	20.33
			15.0	1	0	26365.0	1882.50	20.37
			15.0	1	5	26365.0	1882.50	20.39
			0.0	3	0	26365.0	1882.50	20.64
			15.0	3	3	26365.0	1882.50	20.69
			0.0	5	0	26365.0	1882.50	21.53
			15.0	5	0	26365.0	1882.50	21.55

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD25	20.00	QPSK	0.0	1	0	26590.0	1905.00	21.49
			0.0	1	5	26590.0	1905.00	21.54
			7.0	1	0	26590.0	1905.00	21.36
			7.0	1	5	26590.0	1905.00	21.40
			15.0	1	0	26590.0	1905.00	21.41
			15.0	1	5	26590.0	1905.00	21.45
			0.0	3	0	26590.0	1905.00	21.45
			15.0	3	3	26590.0	1905.00	21.49
			0.0	6	0	26590.0	1905.00	21.52
			15.0	6	0	26590.0	1905.00	21.55
		16QAM	0.0	1	0	26590.0	1905.00	20.44
			0.0	1	5	26590.0	1905.00	20.36
			7.0	1	0	26590.0	1905.00	20.30
			7.0	1	5	26590.0	1905.00	20.34
			15.0	1	0	26590.0	1905.00	20.37
			15.0	1	5	26590.0	1905.00	20.39
			0.0	3	0	26590.0	1905.00	20.63
			15.0	3	3	26590.0	1905.00	20.68
			0.0	5	0	26590.0	1905.00	21.52
			15.0	5	0	26590.0	1905.00	21.55
	15.00	QPSK	0.0	1	0	26115.0	1857.50	21.36
			0.0	1	5	26115.0	1857.50	21.39
			5.0	1	0	26115.0	1857.50	21.33
			5.0	1	5	26115.0	1857.50	21.37
			11.0	1	0	26115.0	1857.50	21.38
			11.0	1	5	26115.0	1857.50	21.41
			0.0	3	0	26115.0	1857.50	21.47
			11.0	3	3	26115.0	1857.50	21.49
			0.0	6	0	26115.0	1857.50	21.53
			11.0	6	0	26115.0	1857.50	21.53
		16QAM	0.0	1	0	26115.0	1857.50	20.46
			0.0	1	5	26115.0	1857.50	20.35
			5.0	1	0	26115.0	1857.50	20.29
			5.0	1	5	26115.0	1857.50	20.32
			11.0	1	0	26115.0	1857.50	20.34
			11.0	1	5	26115.0	1857.50	20.38
			0.0	3	0	26115.0	1857.50	20.64
			11.0	3	3	26115.0	1857.50	20.66
			0.0	6	0	26115.0	1857.50	21.53
			11.0	6	0	26115.0	1857.50	21.54

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD25	15.00	QPSK	0.0	1	0	26365.0	1882.50	21.49
			0.0	1	5	26365.0	1882.50	21.53
			5.0	1	0	26365.0	1882.50	21.51
			5.0	1	5	26365.0	1882.50	21.41
			11.0	1	0	26365.0	1882.50	21.42
			11.0	1	5	26365.0	1882.50	21.45
			0.0	3	0	26365.0	1882.50	21.45
			11.0	3	3	26365.0	1882.50	21.48
			0.0	6	0	26365.0	1882.50	21.52
			11.0	6	0	26365.0	1882.50	21.53
		16QAM	0.0	1	0	26365.0	1882.50	20.45
			0.0	1	5	26365.0	1882.50	20.35
			5.0	1	0	26365.0	1882.50	20.35
			5.0	1	5	26365.0	1882.50	20.32
			11.0	1	0	26365.0	1882.50	20.33
			11.0	1	5	26365.0	1882.50	20.44
			0.0	3	0	26365.0	1882.50	20.68
			11.0	3	3	26365.0	1882.50	20.73
			0.0	6	0	26365.0	1882.50	21.57
			11.0	6	0	26365.0	1882.50	21.58
		QPSK	0.0	1	0	26615.0	1907.50	21.49
			0.0	1	5	26615.0	1907.50	21.52
			5.0	1	0	26615.0	1907.50	21.46
			5.0	1	5	26615.0	1907.50	21.51
			11.0	1	0	26615.0	1907.50	21.51
			11.0	1	5	26615.0	1907.50	21.45
			0.0	3	0	26615.0	1907.50	21.51
			11.0	3	3	26615.0	1907.50	21.53
			0.0	6	0	26615.0	1907.50	21.57
			11.0	6	0	26615.0	1907.50	21.59
		16QAM	0.0	1	0	26615.0	1907.50	20.51
			0.0	1	5	26615.0	1907.50	20.41
			5.0	1	0	26615.0	1907.50	20.34
			5.0	1	5	26615.0	1907.50	20.37
			11.0	1	0	26615.0	1907.50	20.39
			11.0	1	5	26615.0	1907.50	20.43
			0.0	3	0	26615.0	1907.50	20.58
			11.0	3	3	26615.0	1907.50	20.61
			0.0	6	0	26615.0	1907.50	21.44
			11.0	6	0	26615.0	1907.50	21.48

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD25	10.00	QPSK	0.0	1	0	26090.0	1855.00	21.37
			0.0	1	5	26090.0	1855.00	21.39
			3.0	1	0	26090.0	1855.00	21.34
			3.0	1	5	26090.0	1855.00	21.36
			7.0	1	0	26090.0	1855.00	21.33
			7.0	1	5	26090.0	1855.00	21.36
			0.0	4	0	26090.0	1855.00	21.64
			7.0	4	2	26090.0	1855.00	21.64
			0.0	6	0	26090.0	1855.00	20.54
			7.0	6	0	26090.0	1855.00	20.54
		16QAM	0.0	1	0	26090.0	1855.00	20.40
			0.0	1	5	26090.0	1855.00	20.33
			3.0	1	0	26090.0	1855.00	20.27
			3.0	1	5	26090.0	1855.00	20.31
			7.0	1	0	26090.0	1855.00	20.28
			7.0	1	5	26090.0	1855.00	20.30
			0.0	4	0	26090.0	1855.00	20.56
			7.0	4	2	26090.0	1855.00	20.56
			0.0	6	0	26090.0	1855.00	20.53
			7.0	6	0	26090.0	1855.00	20.53
		QPSK	0.0	1	0	26365.0	1882.50	21.47
			0.0	1	5	26365.0	1882.50	21.50
			3.0	1	0	26365.0	1882.50	21.44
			3.0	1	5	26365.0	1882.50	21.37
			7.0	1	0	26365.0	1882.50	21.44
			7.0	1	5	26365.0	1882.50	21.47
			0.0	4	0	26365.0	1882.50	21.63
			7.0	4	2	26365.0	1882.50	21.63
			0.0	6	0	26365.0	1882.50	20.53
			7.0	6	0	26365.0	1882.50	20.52
		16QAM	0.0	1	0	26365.0	1882.50	20.39
			0.0	1	5	26365.0	1882.50	20.32
			3.0	1	0	26365.0	1882.50	20.26
			3.0	1	5	26365.0	1882.50	20.30
			7.0	1	0	26365.0	1882.50	20.27
			7.0	1	5	26365.0	1882.50	20.29
			0.0	4	0	26365.0	1882.50	20.68
			7.0	4	2	26365.0	1882.50	20.55
			0.0	6	0	26365.0	1882.50	20.52
			7.0	6	0	26365.0	1882.50	20.52

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD25	10.00	QPSK	0.0	1	0	26640.0	1910.00	21.46
			0.0	1	5	26640.0	1910.00	21.39
			3.0	1	0	26640.0	1910.00	21.34
			3.0	1	5	26640.0	1910.00	21.37
			7.0	1	0	26640.0	1910.00	21.43
			7.0	1	5	26640.0	1910.00	21.46
			0.0	4	0	26640.0	1910.00	21.63
			7.0	4	2	26640.0	1910.00	21.63
			0.0	6	0	26640.0	1910.00	20.53
			7.0	6	0	26640.0	1910.00	20.52
		16QAM	0.0	1	0	26640.0	1910.00	20.39
			0.0	1	5	26640.0	1910.00	20.31
			3.0	1	0	26640.0	1910.00	20.26
			3.0	1	5	26640.0	1910.00	20.29
			7.0	1	0	26640.0	1910.00	20.28
			7.0	1	5	26640.0	1910.00	20.30
			0.0	4	0	26640.0	1910.00	20.69
			7.0	4	2	26640.0	1910.00	20.57
			0.0	6	0	26640.0	1910.00	20.54
			7.0	6	0	26640.0	1910.00	20.53
	5.00	QPSK	0.0	1	0	26065.0	1852.50	21.34
			0.0	1	5	26065.0	1852.50	21.41
			1.0	1	0	26065.0	1852.50	21.41
			1.0	1	5	26065.0	1852.50	21.45
			3.0	1	0	26065.0	1852.50	21.40
			3.0	1	5	26065.0	1852.50	21.44
			0.0	3	0	26065.0	1852.50	20.50
			3.0	3	3	26065.0	1852.50	20.51
			0.0	6	0	26065.0	1852.50	20.57
			1.0	6	0	26065.0	1852.50	20.56
		16QAM	3.0	6	0	26065.0	1852.50	20.57
			0.0	1	0	26065.0	1852.50	20.41
			0.0	1	5	26065.0	1852.50	20.44
			1.0	1	0	26065.0	1852.50	20.40
			1.0	1	5	26065.0	1852.50	20.31
			3.0	1	0	26065.0	1852.50	20.28
			3.0	1	5	26065.0	1852.50	20.31
			0.0	3	0	26065.0	1852.50	20.61
			3.0	3	3	26065.0	1852.50	20.62
			0.0	6	0	26065.0	1852.50	20.54
			1.0	6	0	26065.0	1852.50	20.54
			3.0	6	0	26065.0	1852.50	20.55

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD25	5.00	QPSK	0.0	1	0	26365.0	1882.50	21.47
			0.0	1	5	26365.0	1882.50	21.41
			1.0	1	0	26365.0	1882.50	21.36
			1.0	1	5	26365.0	1882.50	21.41
			3.0	1	0	26365.0	1882.50	21.36
			3.0	1	5	26365.0	1882.50	21.41
			0.0	3	0	26365.0	1882.50	20.47
			3.0	3	3	26365.0	1882.50	20.48
			0.0	6	0	26365.0	1882.50	20.54
			1.0	6	0	26365.0	1882.50	20.54
			3.0	6	0	26365.0	1882.50	20.54
		16QAM	0.0	1	0	26365.0	1882.50	20.39
			0.0	1	5	26365.0	1882.50	20.47
			1.0	1	0	26365.0	1882.50	20.44
			1.0	1	5	26365.0	1882.50	20.35
			3.0	1	0	26365.0	1882.50	20.31
			3.0	1	5	26365.0	1882.50	20.35
			0.0	3	0	26365.0	1882.50	20.64
			3.0	3	3	26365.0	1882.50	20.65
			0.0	6	0	26365.0	1882.50	20.58
			1.0	6	0	26365.0	1882.50	20.58
			3.0	6	0	26365.0	1882.50	20.58
		QPSK	0.0	1	0	26665.0	1912.50	21.41
			0.0	1	5	26665.0	1912.50	21.44
			1.0	1	0	26665.0	1912.50	21.40
			1.0	1	5	26665.0	1912.50	21.44
			3.0	1	0	26665.0	1912.50	21.39
			3.0	1	5	26665.0	1912.50	21.45
			0.0	3	0	26665.0	1912.50	20.51
			3.0	3	3	26665.0	1912.50	20.52
			0.0	6	0	26665.0	1912.50	20.57
			1.0	6	0	26665.0	1912.50	20.57
			3.0	6	0	26665.0	1912.50	20.58
		16QAM	0.0	1	0	26665.0	1912.50	20.43
			0.0	1	5	26665.0	1912.50	20.45
			1.0	1	0	26665.0	1912.50	20.42
			1.0	1	5	26665.0	1912.50	20.33
			3.0	1	0	26665.0	1912.50	20.30
			3.0	1	5	26665.0	1912.50	20.33
			0.0	3	0	26665.0	1912.50	20.63
			3.0	3	3	26665.0	1912.50	20.64
			0.0	6	0	26665.0	1912.50	20.57
			1.0	6	0	26665.0	1912.50	20.57
			3.0	6	0	26665.0	1912.50	20.57

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD25	3.00	QPSK	0.0	1	0	26055.0	1851.50	21.49
			0.0	1	5	26055.0	1851.50	21.53
			1.0	1	0	26055.0	1851.50	21.48
			1.0	1	5	26055.0	1851.50	21.60
			0.0	3	3	26055.0	1851.50	20.60
			1.0	3	3	26055.0	1851.50	20.59
			0.0	6	0	26055.0	1851.50	19.52
			1.0	6	0	26055.0	1851.50	19.51
		16QAM	0.0	1	0	26055.0	1851.50	20.66
			0.0	1	5	26055.0	1851.50	20.56
			1.0	1	0	26055.0	1851.50	20.65
			1.0	1	5	26055.0	1851.50	20.68
			0.0	3	3	26055.0	1851.50	19.86
			1.0	3	3	26055.0	1851.50	19.86
			0.0	6	0	26055.0	1851.50	19.50
			1.0	6	0	26055.0	1851.50	19.49
		QPSK	0.0	1	0	26365.0	1882.50	21.51
			0.0	1	5	26365.0	1882.50	21.53
			1.0	1	0	26365.0	1882.50	21.50
			1.0	1	5	26365.0	1882.50	21.57
			0.0	3	3	26365.0	1882.50	20.62
			1.0	3	3	26365.0	1882.50	20.62
			0.0	6	0	26365.0	1882.50	19.56
			1.0	6	0	26365.0	1882.50	19.56
		16QAM	0.0	1	0	26365.0	1882.50	20.58
			0.0	1	5	26365.0	1882.50	20.60
			1.0	1	0	26365.0	1882.50	20.68
			1.0	1	5	26365.0	1882.50	20.60
			0.0	3	3	26365.0	1882.50	19.79
			1.0	3	3	26365.0	1882.50	19.79
			0.0	6	0	26365.0	1882.50	19.56
			1.0	6	0	26365.0	1882.50	19.55
		QPSK	0.0	1	0	26675.0	1913.50	21.54
			0.0	1	5	26675.0	1913.50	21.56
			1.0	1	0	26675.0	1913.50	21.54
			1.0	1	5	26675.0	1913.50	21.56
			0.0	3	3	26675.0	1913.50	20.61
			1.0	3	3	26675.0	1913.50	20.62
			0.0	6	0	26675.0	1913.50	19.55
			1.0	6	0	26675.0	1913.50	19.55
		16QAM	0.0	1	0	26675.0	1913.50	20.68
			0.0	1	5	26675.0	1913.50	20.59
			1.0	1	0	26675.0	1913.50	20.67
			1.0	1	5	26675.0	1913.50	20.60
			0.0	3	3	26675.0	1913.50	19.78
			1.0	3	3	26675.0	1913.50	19.78
			0.0	6	0	26675.0	1913.50	19.55
			1.0	6	0	26675.0	1913.50	19.55

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD25	1.40	QPSK	0.0	1	0	26047.0	1850.70	21.47
			0.0	1	5	26047.0	1850.70	21.49
			0.0	3	3	26047.0	1850.70	20.52
			0.0	6	0	26047.0	1850.70	19.61
		16QAM	0.0	1	0	26047.0	1850.70	20.70
			0.0	1	5	26047.0	1850.70	20.52
			0.0	3	3	26047.0	1850.70	19.42
			0.0	6	0	26047.0	1850.70	19.48
		QPSK	0.0	1	0	26365.0	1882.50	21.45
			0.0	1	5	26365.0	1882.50	21.47
			0.0	3	3	26365.0	1882.50	20.51
			0.0	6	0	26365.0	1882.50	20.50
		16QAM	0.0	1	0	26365.0	1882.50	20.52
			0.0	1	5	26365.0	1882.50	20.57
			0.0	3	3	26365.0	1882.50	19.48
			0.0	6	0	26365.0	1882.50	19.52
		QPSK	0.0	1	0	26683.0	1914.30	21.49
			0.0	1	5	26683.0	1914.30	21.51
			0.0	3	3	26683.0	1914.30	20.55
			0.0	6	0	26683.0	1914.30	19.64
		16QAM	0.0	1	0	26683.0	1914.30	20.73
			0.0	1	5	26683.0	1914.30	20.55
			0.0	3	3	26683.0	1914.30	19.47
			0.0	6	0	26683.0	1914.30	19.51
LTE/FDD26	15.00	QPSK	0.0	1	0	26865.0	831.50	21.62
			0.0	1	5	26865.0	831.50	21.65
			5.0	1	0	26865.0	831.50	21.65
			5.0	1	5	26865.0	831.50	21.68
			11.0	1	0	26865.0	831.50	21.72
			11.0	1	5	26865.0	831.50	21.74
			0.0	3	0	26865.0	831.50	21.61
			11.0	3	3	26865.0	831.50	21.70
			0.0	6	0	26865.0	831.50	21.67
			11.0	6	0	26865.0	831.50	21.76
		16QAM	0.0	1	0	26865.0	831.50	21.24
			0.0	1	5	26865.0	831.50	21.24
			5.0	1	0	26865.0	831.50	21.24
			5.0	1	5	26865.0	831.50	21.26
			11.0	1	0	26865.0	831.50	21.30
			11.0	1	5	26865.0	831.50	21.33
			0.0	3	0	26865.0	831.50	21.54
			11.0	3	3	26865.0	831.50	21.50
			0.0	6	0	26865.0	831.50	21.80
			11.0	6	0	26865.0	831.50	21.88

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD26	10.00	QPSK	0.0	1	0	26740.0	819.00	21.64
			0.0	1	5	26740.0	819.00	21.67
			3.0	1	0	26740.0	819.00	21.66
			3.0	1	5	26740.0	819.00	21.67
			7.0	1	0	26740.0	819.00	21.58
			7.0	1	5	26740.0	819.00	21.61
			0.0	4	0	26740.0	819.00	21.78
			7.0	4	2	26740.0	819.00	21.87
			0.0	6	0	26740.0	819.00	20.74
			7.0	6	0	26740.0	819.00	20.81
		16QAM	0.0	1	0	26740.0	819.00	21.34
			0.0	1	5	26740.0	819.00	21.38
			3.0	1	0	26740.0	819.00	21.25
			3.0	1	5	26740.0	819.00	21.27
			7.0	1	0	26740.0	819.00	21.30
			7.0	1	5	26740.0	819.00	21.31
			0.0	4	0	26740.0	819.00	20.75
			7.0	4	2	26740.0	819.00	20.83
			0.0	6	0	26740.0	819.00	20.62
			7.0	6	0	26740.0	819.00	20.70
		QPSK	0.0	1	0	26865.0	831.50	21.63
			0.0	1	5	26865.0	831.50	21.65
			3.0	1	0	26865.0	831.50	21.64
			3.0	1	5	26865.0	831.50	21.66
			7.0	1	0	26865.0	831.50	21.68
			7.0	1	5	26865.0	831.50	21.70
			0.0	4	0	26865.0	831.50	21.77
			7.0	4	2	26865.0	831.50	21.86
			0.0	6	0	26865.0	831.50	20.73
			7.0	6	0	26865.0	831.50	20.81
		16QAM	0.0	1	0	26865.0	831.50	21.34
			0.0	1	5	26865.0	831.50	21.37
			3.0	1	0	26865.0	831.50	21.35
			3.0	1	5	26865.0	831.50	21.27
			7.0	1	0	26865.0	831.50	21.29
			7.0	1	5	26865.0	831.50	21.29
			0.0	4	0	26865.0	831.50	20.74
			7.0	4	2	26865.0	831.50	20.82
			0.0	6	0	26865.0	831.50	20.62
			7.0	6	0	26865.0	831.50	20.69

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD26	10.00	QPSK	0.0	1	0	26990.0	844.00	21.62
			0.0	1	5	26990.0	844.00	21.64
			3.0	1	0	26990.0	844.00	21.63
			3.0	1	5	26990.0	844.00	21.65
			7.0	1	0	26990.0	844.00	21.67
			7.0	1	5	26990.0	844.00	21.70
			0.0	4	0	26990.0	844.00	21.77
			7.0	4	2	26990.0	844.00	21.85
			0.0	6	0	26990.0	844.00	20.73
			7.0	6	0	26990.0	844.00	20.80
		16QAM	0.0	1	0	26990.0	844.00	21.33
			0.0	1	5	26990.0	844.00	21.37
			3.0	1	0	26990.0	844.00	21.24
			3.0	1	5	26990.0	844.00	21.26
			7.0	1	0	26990.0	844.00	21.29
			7.0	1	5	26990.0	844.00	21.29
			0.0	4	0	26990.0	844.00	20.74
			7.0	4	2	26990.0	844.00	20.82
			0.0	6	0	26990.0	844.00	20.62
			7.0	6	0	26990.0	844.00	20.69
	5.00	QPSK	0.0	1	0	26715.0	816.50	21.63
			0.0	1	5	26715.0	816.50	21.66
			1.0	1	0	26715.0	816.50	21.63
			1.0	1	5	26715.0	816.50	21.66
			3.0	1	0	26715.0	816.50	21.65
			3.0	1	5	26715.0	816.50	21.69
			0.0	3	0	26715.0	816.50	20.67
			3.0	3	3	26715.0	816.50	20.72
			0.0	6	0	26715.0	816.50	20.74
			1.0	6	0	26715.0	816.50	20.75
		16QAM	3.0	6	0	26715.0	816.50	20.78
			0.0	1	0	26715.0	816.50	21.35
			0.0	1	5	26715.0	816.50	21.29
			1.0	1	0	26715.0	816.50	21.28
			1.0	1	5	26715.0	816.50	21.29
			3.0	1	0	26715.0	816.50	21.30
			3.0	1	5	26715.0	816.50	21.28
			0.0	3	0	26715.0	816.50	20.82
			3.0	3	3	26715.0	816.50	20.86
			0.0	6	0	26715.0	816.50	20.67
			1.0	6	0	26715.0	816.50	20.68
			3.0	6	0	26715.0	816.50	20.71

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD26	5.00	QPSK	0.0	1	0	26865.0	831.50	21.66
			0.0	1	5	26865.0	831.50	21.69
			1.0	1	0	26865.0	831.50	21.66
			1.0	1	5	26865.0	831.50	21.70
			3.0	1	0	26865.0	831.50	21.57
			3.0	1	5	26865.0	831.50	21.62
			0.0	3	0	26865.0	831.50	20.71
			3.0	3	3	26865.0	831.50	20.76
			0.0	6	0	26865.0	831.50	20.79
			1.0	6	0	26865.0	831.50	20.79
			3.0	6	0	26865.0	831.50	20.82
		16QAM	0.0	1	0	26865.0	831.50	21.39
			0.0	1	5	26865.0	831.50	21.27
			1.0	1	0	26865.0	831.50	21.26
			1.0	1	5	26865.0	831.50	21.28
			3.0	1	0	26865.0	831.50	21.29
			3.0	1	5	26865.0	831.50	21.31
			0.0	3	0	26865.0	831.50	20.81
			3.0	3	3	26865.0	831.50	20.86
			0.0	6	0	26865.0	831.50	20.67
			1.0	6	0	26865.0	831.50	20.68
			3.0	6	0	26865.0	831.50	20.70
		QPSK	0.0	1	0	26865.0	831.50	21.65
			0.0	1	5	26865.0	831.50	21.68
			1.0	1	0	27015.0	846.50	21.65
			1.0	1	5	27015.0	846.50	21.69
			3.0	1	0	27015.0	846.50	21.67
			3.0	1	5	27015.0	846.50	21.72
			0.0	3	0	27015.0	846.50	20.70
			3.0	3	3	27015.0	846.50	20.75
			0.0	6	0	27015.0	846.50	20.78
			1.0	6	0	27015.0	846.50	20.79
			3.0	6	0	27015.0	846.50	20.81
		16QAM	0.0	1	0	27015.0	846.50	21.26
			0.0	1	5	27015.0	846.50	21.27
			1.0	1	0	27015.0	846.50	21.25
			1.0	1	5	27015.0	846.50	21.28
			3.0	1	0	27015.0	846.50	21.27
			3.0	1	5	27015.0	846.50	21.30
			0.0	3	0	27015.0	846.50	20.91
			3.0	3	3	27015.0	846.50	20.95
			0.0	6	0	27015.0	846.50	20.77
			1.0	6	0	27015.0	846.50	20.78
			3.0	6	0	27015.0	846.50	20.81

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD26	3.00	QPSK	0.0	1	0	26705.0	815.50	21.65
			0.0	1	5	26705.0	815.50	21.65
			1.0	1	0	26705.0	815.50	21.65
			1.0	1	5	26705.0	815.50	21.66
			0.0	3	3	26705.0	815.50	20.70
			1.0	3	3	26705.0	815.50	20.71
			0.0	6	0	26705.0	815.50	19.80
			1.0	6	0	26705.0	815.50	19.81
		16QAM	0.0	1	0	26705.0	815.50	20.66
			0.0	1	5	26705.0	815.50	20.68
			1.0	1	0	26705.0	815.50	20.67
			1.0	1	5	26705.0	815.50	20.69
			0.0	3	3	26705.0	815.50	19.78
			1.0	3	3	26705.0	815.50	19.79
			0.0	6	0	26705.0	815.50	19.79
			1.0	6	0	26705.0	815.50	19.80
		QPSK	0.0	1	0	26865.0	831.50	21.75
			0.0	1	5	26865.0	831.50	21.63
			1.0	1	0	26865.0	831.50	21.64
			1.0	1	5	26865.0	831.50	21.65
			0.0	3	3	26865.0	831.50	20.69
			1.0	3	3	26865.0	831.50	20.81
			0.0	6	0	26865.0	831.50	19.90
			1.0	6	0	26865.0	831.50	19.91
		16QAM	0.0	1	0	26865.0	831.50	20.64
			0.0	1	5	26865.0	831.50	20.60
			1.0	1	0	26865.0	831.50	20.60
			1.0	1	5	26865.0	831.50	20.61
			0.0	3	3	26865.0	831.50	19.83
			1.0	3	3	26865.0	831.50	19.89
			0.0	6	0	26865.0	831.50	19.89
			1.0	6	0	26865.0	831.50	19.91
		QPSK	0.0	1	0	27025.0	847.50	21.82
			0.0	1	5	27025.0	847.50	21.78
			1.0	1	0	27025.0	847.50	21.68
			1.0	1	5	27025.0	847.50	21.69
			0.0	3	3	27025.0	847.50	20.62
			1.0	3	3	27025.0	847.50	20.64
			0.0	6	0	27025.0	847.50	19.70
			1.0	6	0	27025.0	847.50	19.71
		16QAM	0.0	1	0	27025.0	847.50	20.57
			0.0	1	5	27025.0	847.50	20.60
			1.0	1	0	27025.0	847.50	20.58
			1.0	1	5	27025.0	847.50	20.61
			0.0	3	3	27025.0	847.50	19.70
			1.0	3	3	27025.0	847.50	19.84
			0.0	6	0	27025.0	847.50	19.83
			1.0	6	0	27025.0	847.50	19.85

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD26	1.40	QPSK	0.0	1	0	26697.0	814.70	21.86
			0.0	1	5	26697.0	814.70	21.87
			0.0	3	3	26697.0	814.70	20.85
			0.0	6	0	26697.0	814.70	19.87
		16QAM	0.0	1	0	26697.0	814.70	20.87
			0.0	1	5	26697.0	814.70	20.88
			0.0	3	3	26697.0	814.70	20.06
			0.0	6	0	26697.0	814.70	19.81
		QPSK	0.0	1	0	26865.0	831.50	21.89
			0.0	1	5	26865.0	831.50	21.90
			0.0	3	3	26865.0	831.50	20.89
			0.0	6	0	26865.0	831.50	19.92
		16QAM	0.0	1	0	26865.0	831.50	20.87
			0.0	1	5	26865.0	831.50	20.87
			0.0	3	3	26865.0	831.50	20.03
			0.0	6	0	26865.0	831.50	19.80
		QPSK	0.0	1	0	27033.0	848.30	21.88
			0.0	1	5	27033.0	848.30	21.89
			0.0	3	3	27033.0	848.30	20.88
			0.0	6	0	27033.0	848.30	19.91
		16QAM	0.0	1	0	27033.0	848.30	20.84
			0.0	1	5	27033.0	848.30	20.86
			0.0	3	3	27033.0	848.30	20.04
			0.0	6	0	27033.0	848.30	19.79
LTE/FDD66	20.00	QPSK	0.0	1	0	132072.0	1720.00	21.67
			0.0	1	5	132072.0	1720.00	21.70
			7.0	1	0	132072.0	1720.00	21.75
			7.0	1	5	132072.0	1720.00	21.78
			15.0	1	0	132072.0	1720.00	21.74
			15.0	1	5	132072.0	1720.00	21.74
			0.0	3	0	132072.0	1720.00	21.87
			15.0	3	3	132072.0	1720.00	21.77
			0.0	6	0	132072.0	1720.00	21.96
			15.0	6	0	132072.0	1720.00	21.83
		16QAM	0.0	1	0	132072.0	1720.00	20.74
			0.0	1	5	132072.0	1720.00	20.77
			7.0	1	0	132072.0	1720.00	20.71
			7.0	1	5	132072.0	1720.00	20.75
			15.0	1	0	132072.0	1720.00	20.64
			15.0	1	5	132072.0	1720.00	20.66
			0.0	3	0	132072.0	1720.00	20.95
			15.0	3	3	132072.0	1720.00	20.83
			0.0	5	0	132072.0	1720.00	21.85
			15.0	5	0	132072.0	1720.00	21.72

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD66	20.00	QPSK	0.0	1	0	132322.0	1745.00	21.81
			0.0	1	5	132322.0	1745.00	21.86
			7.0	1	0	132322.0	1745.00	21.67
			7.0	1	5	132322.0	1745.00	21.69
			15.0	1	0	132322.0	1745.00	21.69
			15.0	1	5	132322.0	1745.00	21.73
			0.0	3	0	132322.0	1745.00	21.86
			15.0	3	3	132322.0	1745.00	21.76
			0.0	6	0	132322.0	1745.00	21.95
			15.0	6	0	132322.0	1745.00	21.82
		16QAM	0.0	1	0	132322.0	1745.00	20.73
			0.0	1	5	132322.0	1745.00	20.76
			7.0	1	0	132322.0	1745.00	20.71
			7.0	1	5	132322.0	1745.00	20.74
			15.0	1	0	132322.0	1745.00	20.63
			15.0	1	5	132322.0	1745.00	20.65
			0.0	3	0	132322.0	1745.00	21.06
			15.0	3	3	132322.0	1745.00	20.82
			0.0	5	0	132322.0	1745.00	21.84
			15.0	5	0	132322.0	1745.00	21.71
		QPSK	0.0	1	0	132575.0	1770.00	21.81
			0.0	1	5	132575.0	1770.00	21.85
			7.0	1	0	132575.0	1770.00	21.66
			7.0	1	5	132575.0	1770.00	21.69
			15.0	1	0	132575.0	1770.00	21.68
			15.0	1	5	132575.0	1770.00	21.73
			0.0	3	0	132575.0	1770.00	21.86
			15.0	3	3	132575.0	1770.00	21.75
			0.0	6	0	132575.0	1770.00	21.94
			15.0	6	0	132575.0	1770.00	21.82
		16QAM	0.0	1	0	132575.0	1770.00	20.73
			0.0	1	5	132575.0	1770.00	20.76
			7.0	1	0	132575.0	1770.00	20.70
			7.0	1	5	132575.0	1770.00	20.74
			15.0	1	0	132575.0	1770.00	20.63
			15.0	1	5	132575.0	1770.00	20.65
			0.0	3	0	132575.0	1770.00	21.06
			15.0	3	3	132575.0	1770.00	20.82
			0.0	5	0	132575.0	1770.00	21.84
			15.0	5	0	132575.0	1770.00	21.71

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD66	15.00	QPSK	0.0	1	0	132047.0	1717.50	21.69
			0.0	1	5	132047.0	1717.50	21.72
			5.0	1	0	132047.0	1717.50	21.67
			5.0	1	5	132047.0	1717.50	21.72
			11.0	1	0	132047.0	1717.50	21.77
			11.0	1	5	132047.0	1717.50	21.80
			0.0	3	0	132047.0	1717.50	21.86
			11.0	3	3	132047.0	1717.50	21.82
			0.0	6	0	132047.0	1717.50	21.93
			11.0	6	0	132047.0	1717.50	21.88
		16QAM	0.0	1	0	132047.0	1717.50	20.75
			0.0	1	5	132047.0	1717.50	20.77
			5.0	1	0	132047.0	1717.50	20.72
			5.0	1	5	132047.0	1717.50	20.77
			11.0	1	0	132047.0	1717.50	20.69
			11.0	1	5	132047.0	1717.50	20.65
			0.0	3	0	132047.0	1717.50	20.98
			11.0	3	3	132047.0	1717.50	20.94
			0.0	6	0	132047.0	1717.50	21.87
			11.0	6	0	132047.0	1717.50	21.82
		QPSK	0.0	1	0	132322.0	1745.00	21.72
			0.0	1	5	132322.0	1745.00	21.71
			5.0	1	0	132322.0	1745.00	21.65
			5.0	1	5	132322.0	1745.00	21.70
			11.0	1	0	132322.0	1745.00	21.75
			11.0	1	5	132322.0	1745.00	21.78
			0.0	3	0	132322.0	1745.00	21.90
			11.0	3	3	132322.0	1745.00	21.86
			0.0	6	0	132322.0	1745.00	21.97
			11.0	6	0	132322.0	1745.00	21.92
		16QAM	0.0	1	0	132322.0	1745.00	20.78
			0.0	1	5	132322.0	1745.00	20.68
			5.0	1	0	132322.0	1745.00	20.63
			5.0	1	5	132322.0	1745.00	20.66
			11.0	1	0	132322.0	1745.00	20.60
			11.0	1	5	132322.0	1745.00	20.65
			0.0	3	0	132322.0	1745.00	20.97
			11.0	3	3	132322.0	1745.00	20.93
			0.0	6	0	132322.0	1745.00	21.87
			11.0	6	0	132322.0	1745.00	21.81

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD66	15.00	QPSK	0.0	1	0	132597.0	1772.50	21.71
			0.0	1	5	132597.0	1772.50	21.75
			5.0	1	0	132597.0	1772.50	21.70
			5.0	1	5	132597.0	1772.50	21.74
			11.0	1	0	132597.0	1772.50	21.67
			11.0	1	5	132597.0	1772.50	21.71
			0.0	3	0	132597.0	1772.50	21.79
			11.0	3	3	132597.0	1772.50	21.75
			0.0	6	0	132597.0	1772.50	21.86
		16QAM	11.0	6	0	132597.0	1772.50	21.81
			0.0	1	0	132597.0	1772.50	20.77
			0.0	1	5	132597.0	1772.50	20.68
			5.0	1	0	132597.0	1772.50	20.62
			5.0	1	5	132597.0	1772.50	20.65
			11.0	1	0	132597.0	1772.50	20.59
			11.0	1	5	132597.0	1772.50	20.64
			0.0	3	0	132597.0	1772.50	20.97
			11.0	3	3	132597.0	1772.50	20.93
			0.0	6	0	132597.0	1772.50	21.86
			11.0	6	0	132597.0	1772.50	21.81
	10.00	QPSK	0.0	1	0	132022.0	1715.00	21.70
			0.0	1	5	132022.0	1715.00	21.73
			3.0	1	0	132022.0	1715.00	21.68
			3.0	1	5	132022.0	1715.00	21.70
			7.0	1	0	132022.0	1715.00	21.65
			7.0	1	5	132022.0	1715.00	21.68
			0.0	4	0	132022.0	1715.00	21.96
			7.0	4	2	132022.0	1715.00	21.94
			0.0	6	0	132022.0	1715.00	20.92
		16QAM	7.0	6	0	132022.0	1715.00	20.90
			0.0	1	0	132022.0	1715.00	20.74
			0.0	1	5	132022.0	1715.00	20.65
			3.0	1	0	132022.0	1715.00	20.60
			3.0	1	5	132022.0	1715.00	20.64
			7.0	1	0	132022.0	1715.00	20.59
			7.0	1	5	132022.0	1715.00	20.61
			0.0	4	0	132022.0	1715.00	20.78
			7.0	4	2	132022.0	1715.00	20.76
			0.0	6	0	132022.0	1715.00	20.70
			7.0	6	0	132022.0	1715.00	20.68

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD66	10.00	QPSK	0.0	1	0	132322.0	1745.00	21.68
			0.0	1	5	132322.0	1745.00	21.71
			3.0	1	0	132322.0	1745.00	21.67
			3.0	1	5	132322.0	1745.00	21.69
			7.0	1	0	132322.0	1745.00	21.63
			7.0	1	5	132322.0	1745.00	21.67
			0.0	4	0	132322.0	1745.00	21.95
			7.0	4	2	132322.0	1745.00	21.93
			0.0	6	0	132322.0	1745.00	20.91
			7.0	6	0	132322.0	1745.00	20.89
		16QAM	0.0	1	0	132322.0	1745.00	20.72
			0.0	1	5	132322.0	1745.00	20.64
			3.0	1	0	132322.0	1745.00	20.59
			3.0	1	5	132322.0	1745.00	20.63
			7.0	1	0	132322.0	1745.00	20.71
			7.0	1	5	132322.0	1745.00	20.72
			0.0	4	0	132322.0	1745.00	20.77
			7.0	4	2	132322.0	1745.00	20.75
			0.0	6	0	132322.0	1745.00	20.69
			7.0	6	0	132322.0	1745.00	20.67
		QPSK	0.0	1	0	132622.0	1775.00	21.67
			0.0	1	5	132622.0	1775.00	21.70
			3.0	1	0	132622.0	1775.00	21.66
			3.0	1	5	132622.0	1775.00	21.68
			7.0	1	0	132622.0	1775.00	21.63
			7.0	1	5	132622.0	1775.00	21.66
			0.0	4	0	132622.0	1775.00	21.94
			7.0	4	2	132622.0	1775.00	21.93
			0.0	1	0	132622.0	1775.00	20.90
			0.0	1	5	132622.0	1775.00	20.88
		16QAM	3.0	1	0	132622.0	1775.00	20.72
			3.0	1	5	132622.0	1775.00	20.63
			7.0	1	0	132622.0	1775.00	20.59
			7.0	1	5	132622.0	1775.00	20.62
			0.0	4	0	132622.0	1775.00	20.58
			7.0	4	2	132622.0	1775.00	20.59
			0.0	6	0	132622.0	1775.00	20.86
			7.0	6	0	132622.0	1775.00	20.84
			0.0	1	0	132622.0	1775.00	20.79
			0.0	1	5	132622.0	1775.00	20.77

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD66	5.00	QPSK	0.0	1	0	131997.0	1712.50	21.66
			0.0	1	5	131997.0	1712.50	21.70
			1.0	1	0	131997.0	1712.50	21.70
			1.0	1	5	131997.0	1712.50	21.65
			3.0	1	0	131997.0	1712.50	21.69
			3.0	1	5	131997.0	1712.50	21.73
			0.0	3	0	131997.0	1712.50	20.76
			3.0	3	3	131997.0	1712.50	20.77
			0.0	6	0	131997.0	1712.50	20.84
			1.0	6	0	131997.0	1712.50	20.84
			3.0	6	0	131997.0	1712.50	20.83
		16QAM	0.0	1	0	131997.0	1712.50	20.76
			0.0	1	5	131997.0	1712.50	20.65
			1.0	1	0	131997.0	1712.50	20.62
			1.0	1	5	131997.0	1712.50	20.65
			3.0	1	0	131997.0	1712.50	20.61
			3.0	1	5	131997.0	1712.50	20.64
			0.0	3	0	131997.0	1712.50	20.84
			3.0	3	3	131997.0	1712.50	20.84
			0.0	6	0	131997.0	1712.50	20.72
			1.0	6	0	131997.0	1712.50	20.72
			3.0	6	0	131997.0	1712.50	20.71
		QPSK	0.0	1	0	132322.0	1745.00	21.69
			0.0	1	5	132322.0	1745.00	21.72
			1.0	1	0	132322.0	1745.00	21.68
			1.0	1	5	132322.0	1745.00	21.72
			3.0	1	0	132322.0	1745.00	21.67
			3.0	1	5	132322.0	1745.00	21.71
			0.0	3	0	132322.0	1745.00	20.74
			3.0	3	3	132322.0	1745.00	20.75
			0.0	6	0	132322.0	1745.00	20.82
			1.0	6	0	132322.0	1745.00	20.82
			3.0	6	0	132322.0	1745.00	20.82
		16QAM	0.0	1	0	132322.0	1745.00	20.74
			0.0	1	5	132322.0	1745.00	20.64
			1.0	1	0	132322.0	1745.00	20.60
			1.0	1	5	132322.0	1745.00	20.63
			3.0	1	0	132322.0	1745.00	20.60
			3.0	1	5	132322.0	1745.00	20.62
			0.0	3	0	132322.0	1745.00	20.83
			3.0	3	3	132322.0	1745.00	20.83
			0.0	6	0	132322.0	1745.00	20.71
			1.0	6	0	132322.0	1745.00	20.71
			3.0	6	0	132322.0	1745.00	20.71

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD66	5.00	QPSK	0.0	1	0	132647	1777.50	21.67
			0.0	1	5	132647	1777.50	21.71
			1.0	1	0	132647	1777.50	21.67
			1.0	1	5	132647	1777.50	21.72
			3.0	1	0	132647	1777.50	21.66
			3.0	1	5	132647	1777.50	21.70
			0.0	3	0	132647	1777.50	20.74
			3.0	3	3	132647	1777.50	20.74
			0.0	6	0	132647	1777.50	20.82
			1.0	6	0	132647	1777.50	20.82
			3.0	6	0	132647	1777.50	20.81
		16QAM	0.0	1	0	132647	1777.50	20.73
			0.0	1	5	132647	1777.50	20.63
			1.0	1	0	132647	1777.50	20.60
			1.0	1	5	132647	1777.50	20.63
			3.0	1	0	132647	1777.50	20.59
			3.0	1	5	132647	1777.50	20.62
			0.0	3	0	132647	1777.50	20.82
			3.0	3	3	132647	1777.50	20.82
			0.0	6	0	132647	1777.50	20.70
			1.0	6	0	132647	1777.50	20.70
			3.0	6	0	132647	1777.50	20.69
	3.00	QPSK	0.0	1	0	131987.0	1711.50	21.68
			0.0	1	5	131987.0	1711.50	21.70
			1.0	1	0	131987.0	1711.50	21.69
			1.0	1	5	131987.0	1711.50	21.69
			0.0	3	3	131987.0	1711.50	20.75
			1.0	3	3	131987.0	1711.50	20.91
			0.0	6	0	131987.0	1711.50	19.86
			1.0	6	0	131987.0	1711.50	19.85
		16QAM	0.0	1	0	131987.0	1711.50	20.74
			0.0	1	5	131987.0	1711.50	20.75
			1.0	1	0	131987.0	1711.50	20.71
			1.0	1	5	131987.0	1711.50	20.74
			0.0	3	3	131987.0	1711.50	19.78
			1.0	3	3	131987.0	1711.50	19.78
			0.0	6	0	131987.0	1711.50	19.74
			1.0	6	0	131987.0	1711.50	19.72

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD66	3.00	QPSK	0.0	1	0	132322.0	1745.00	21.70
			0.0	1	5	132322.0	1745.00	21.72
			1.0	1	0	132322.0	1745.00	21.70
			1.0	1	5	132322.0	1745.00	21.71
			0.0	3	3	132322.0	1745.00	20.78
			1.0	3	3	132322.0	1745.00	20.88
			0.0	6	0	132322.0	1745.00	19.84
			1.0	6	0	132322.0	1745.00	19.84
		16QAM	0.0	1	0	132322.0	1745.00	20.71
			0.0	1	5	132322.0	1745.00	20.73
			1.0	1	0	132322.0	1745.00	20.59
			1.0	1	5	132322.0	1745.00	20.69
			0.0	3	3	132322.0	1745.00	19.78
			1.0	3	3	132322.0	1745.00	19.77
			0.0	6	0	132322.0	1745.00	19.83
			1.0	6	0	132322.0	1745.00	19.82
		QPSK	0.0	1	0	132657.0	1778.50	21.69
			0.0	1	5	132657.0	1778.50	21.70
			1.0	1	0	132657.0	1778.50	21.69
			1.0	1	5	132657.0	1778.50	21.70
			0.0	3	3	132657.0	1778.50	20.82
			1.0	3	3	132657.0	1778.50	20.76
			0.0	6	0	132657.0	1778.50	19.83
			1.0	6	0	132657.0	1778.50	19.82
		16QAM	0.0	1	0	132657.0	1778.50	20.64
			0.0	1	5	132657.0	1778.50	20.67
			1.0	1	0	132657.0	1778.50	20.63
			1.0	1	5	132657.0	1778.50	20.66
			0.0	3	3	132657.0	1778.50	19.68
			1.0	3	3	132657.0	1778.50	19.68
			0.0	6	0	132657.0	1778.50	19.76
			1.0	6	0	132657.0	1778.50	19.76

Technology / Band	Bandwidth (MHz)	Modulation	Narrowband Index	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD66	1.40	QPSK	0.0	1	0	131979.0	1710.70	21.85
			0.0	1	5	131979.0	1710.70	21.86
			0.0	3	3	131979.0	1710.70	20.86
			0.0	6	0	131979.0	1710.70	19.83
		16QAM	0.0	1	0	131979.0	1710.70	20.99
			0.0	1	5	131979.0	1710.70	20.89
			0.0	3	3	131979.0	1710.70	20.11
			0.0	6	0	131979.0	1710.70	19.82
		QPSK	0.0	1	0	132322.0	1745.00	21.83
			0.0	1	5	132322.0	1745.00	21.85
			0.0	3	3	132322.0	1745.00	20.85
			0.0	6	0	132322.0	1745.00	19.82
		16QAM	0.0	1	0	132322.0	1745.00	20.98
			0.0	1	5	132322.0	1745.00	20.88
			0.0	3	3	132322.0	1745.00	20.10
			0.0	6	0	132322.0	1745.00	19.81
		QPSK	0.0	1	0	132665.0	1779.30	21.91
			0.0	1	5	132665.0	1779.30	21.93
			0.0	3	3	132665.0	1779.30	20.94
			0.0	6	0	132665.0	1779.30	19.91
		16QAM	0.0	1	0	132665.0	1779.30	20.96
			0.0	1	5	132665.0	1779.30	20.98
			0.0	3	3	132665.0	1779.30	20.09
			0.0	6	0	132665.0	1779.30	19.79

LTE Notes:

1. LTE MPR is permanently implemented for the device. A-MPR was disabled for all SAR tests. The following power reductions are used for higher RB allocations and 16-QAM modulation:

Modulation	Channel bandwidth / Transmission bandwidth configuration [RB]						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

2. Measurements for not measured LTE configurations are not required due to the SAR test procedures mentioned in FCC OET KDB 941225 D05 – SAR for LTE Devices v02r05.
3. According to KDB941225 D05 SAR for LTE Devices, for LTE bands that do not support at least three non-overlapping channels in certain channel bandwidths, the middle channel of the group of overlapping channels should be selected for testing.

2.2. LTE NB-IoT

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD2	3.75	BPSK	0.0	1	0	18610.0	1851.00	21.61
	15.00	QPSK	0.0	1	0	18610.0	1851.00	21.73
	15.00	QPSK	0.0	3	3	18610.0	1851.00	21.26
	15.00	QPSK	0.0	12	0	18610.0	1851.00	19.04
	3.75	BPSK	0.0	1	0	18900.0	1880.00	21.57
	3.75	BPSK	0.0	1	47	18900.0	1880.00	21.56
	15.00	QPSK	0.0	1	0	18900.0	1880.00	21.75
	15.00	QPSK	0.0	1	11	18900.0	1880.00	21.72
	15.00	QPSK	0.0	3	3	18900.0	1880.00	21.28
	15.00	QPSK	0.0	12	0	18900.0	1880.00	19.06
	3.75	BPSK	0.0	1	47	19190.0	1909.00	21.35
	15.00	QPSK	0.0	1	11	19190.0	1909.00	21.60
LTE/FDD4	15.00	QPSK	0.0	3	3	19190.0	1909.00	21.11
	15.00	QPSK	0.0	12	0	19190.0	1909.00	18.99
	3.75	BPSK	0.0	1	0	19960.0	1711.00	21.06
	15.00	QPSK	0.0	1	0	19960.0	1711.00	21.86
	15.00	QPSK	0.0	3	3	19960.0	1711.00	21.33
	15.00	QPSK	0.0	12	0	19960.0	1711.00	19.10
	3.75	BPSK	0.0	1	0	20175.0	1732.50	21.53
	3.75	BPSK	0.0	1	47	20175.0	1732.50	21.75
	15.00	QPSK	0.0	1	0	20175.0	1732.50	21.96
	15.00	QPSK	0.0	1	11	20175.0	1732.50	21.95
	15.00	QPSK	0.0	3	3	20175.0	1732.50	21.46
	15.00	QPSK	0.0	12	0	20175.0	1732.50	19.32
LTE/FDD5	3.75	BPSK	0.0	1	47	20390.0	1754.00	21.81
	15.00	QPSK	0.0	1	11	20390.0	1754.00	21.97
	15.00	QPSK	0.0	3	3	20390.0	1754.00	21.47
	15.00	QPSK	0.0	12	0	20390.0	1754.00	19.24
	3.75	BPSK	0.0	1	0	20410.0	825.00	22.01
	15.00	QPSK	0.0	1	0	20410.0	825.00	22.11
	15.00	QPSK	0.0	3	3	20410.0	825.00	21.58
	15.00	QPSK	0.0	12	0	20410.0	825.00	19.41
	3.75	BPSK	0.0	1	0	20525.0	836.50	22.03
	3.75	BPSK	0.0	1	47	20525.0	836.50	22.02
	15.00	QPSK	0.0	1	0	20525.0	836.50	22.14
	15.00	QPSK	0.0	1	11	20525.0	836.50	22.13
LTE/FDD5	15.00	QPSK	0.0	3	3	20525.0	836.50	21.53
	15.00	QPSK	0.0	12	0	20525.0	836.50	19.40
	3.75	BPSK	0.0	1	47	20640.0	848.00	21.82
	15.00	QPSK	0.0	1	11	20640.0	848.00	22.02
	15.00	QPSK	0.0	3	3	20640.0	848.00	21.45
	15.00	QPSK	0.0	12	0	20640.0	848.00	19.30

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD12	3.75	BPSK	0.0	1	0	23020.0	700.00	21.71
	15.00	QPSK	0.0	1	0	23020.0	700.00	21.84
	15.00	QPSK	0.0	3	3	23020.0	700.00	21.26
	15.00	QPSK	0.0	12	0	23020.0	700.00	19.06
	3.75	BPSK	0.0	1	0	23095.0	707.50	21.79
	3.75	BPSK	0.0	1	47	23095.0	707.50	21.77
	15.00	QPSK	0.0	1	0	23095.0	707.50	22.02
	15.00	QPSK	0.0	1	11	23095.0	707.50	21.98
	15.00	QPSK	0.0	3	3	23095.0	707.50	21.38
	15.00	QPSK	0.0	12	0	23095.0	707.50	19.26
	3.75	BPSK	0.0	1	47	23170.0	715.00	21.68
	15.00	QPSK	0.0	1	11	23170.0	715.00	21.89
	15.00	QPSK	0.0	3	3	23170.0	715.00	21.31
	15.00	QPSK	0.0	12	0	23170.0	715.00	19.13
LTE/FDD13	3.75	BPSK	0.0	1	0	23190.0	778.00	21.99
	15.00	QPSK	0.0	1	0	23190.0	778.00	22.18
	15.00	QPSK	0.0	3	3	23190.0	778.00	21.59
	15.00	QPSK	0.0	12	0	23190.0	778.00	19.52
	3.75	BPSK	0.0	1	0	23230.0	782.00	21.94
	3.75	BPSK	0.0	1	47	23230.0	782.00	21.88
	15.00	QPSK	0.0	1	0	23230.0	782.00	22.10
	15.00	QPSK	0.0	1	11	23230.0	782.00	22.09
	15.00	QPSK	0.0	3	3	23230.0	782.00	21.52
	15.00	QPSK	0.0	12	0	23230.0	782.00	19.47
	3.75	BPSK	0.0	1	47	23270.0	786.00	21.81
	15.00	QPSK	0.0	1	11	23270.0	786.00	22.05
	15.00	QPSK	0.0	3	3	23270.0	786.00	21.52
	15.00	QPSK	0.0	12	0	23270.0	786.00	19.45
LTE/FDD25	3.75	BPSK	0.0	1	0	26050.0	1851.00	21.40
	15.00	QPSK	0.0	1	0	26050.0	1851.00	21.60
	15.00	QPSK	0.0	3	3	26050.0	1851.00	21.01
	15.00	QPSK	0.0	12	0	26050.0	1851.00	18.15
	3.75	BPSK	0.0	1	0	26365.0	1882.50	21.40
	3.75	BPSK	0.0	1	47	26365.0	1882.50	21.50
	15.00	QPSK	0.0	1	0	26365.0	1882.50	21.57
	15.00	QPSK	0.0	1	11	26365.0	1882.50	21.56
	15.00	QPSK	0.0	3	3	26365.0	1882.50	20.86
	15.00	QPSK	0.0	12	0	26365.0	1882.50	18.00
	3.75	BPSK	0.0	1	47	26680.0	1914.00	21.37
	15.00	QPSK	0.0	1	11	26680.0	1914.00	21.49
	15.00	QPSK	0.0	3	3	26680.0	1914.00	20.92
	15.00	QPSK	0.0	12	0	26680.0	1914.00	17.92

Technology / Band	Bandwidth (MHz)	Modulation	MPR	UL RB Allocation	UL RB Start	Channel	Frequency (MHz)	Average Output Power (dBm)
LTE/FDD26	3.75	BPSK	0.0	1	0	26700.0	815.00	22.11
	15.00	QPSK	0.0	1	0	26700.0	815.00	22.23
	15.00	QPSK	0.0	3	3	26700.0	815.00	21.71
	15.00	QPSK	0.0	12	0	26700.0	815.00	19.55
	3.75	BPSK	0.0	1	0	26865.0	831.50	22.12
	3.75	BPSK	0.0	1	47	26865.0	831.50	22.05
	15.00	QPSK	0.0	1	0	26865.0	831.50	22.26
	15.00	QPSK	0.0	1	11	26865.0	831.50	22.24
	15.00	QPSK	0.0	3	3	26865.0	831.50	21.67
	15.00	QPSK	0.0	12	0	26865.0	831.50	18.94
	3.75	16QAM	0.0	1	47	27030.0	848.00	21.95
	15.00	QPSK	0.0	1	11	27030.0	848.00	22.23
	15.00	QPSK	0.0	3	3	27030.0	848.00	21.58
	15.00	QPSK	0.0	12	0	27030.0	848.00	19.46
LTE/FDD66	3.75	BPSK	0.0	1	0	131982.0	1711.00	21.78
	15.00	QPSK	0.0	1	0	131982.0	1711.00	21.95
	15.00	QPSK	0.0	3	3	131982.0	1711.00	21.17
	15.00	QPSK	0.0	12	0	131982.0	1711.00	18.43
	3.75	BPSK	0.0	1	0	132322.0	1745.00	21.88
	3.75	BPSK	0.0	1	47	132322.0	1745.00	21.83
	15.00	QPSK	0.0	1	0	132322.0	1745.00	22.08
	15.00	QPSK	0.0	1	11	132322.0	1745.00	22.03
	15.00	QPSK	0.0	3	3	132322.0	1745.00	21.32
	15.00	QPSK	0.0	12	0	132322.0	1745.00	18.57
	3.75	BPSK	0.0	1	47	132662.0	1779.00	21.79
	15.00	QPSK	0.0	1	11	132662.0	1779.00	21.89
	15.00	QPSK	0.0	3	3	132662.0	1779.00	21.16
	15.00	QPSK	0.0	12	0	132662.0	1779.00	18.31

LTE Notes:

4. LTE MPR is permanently implemented for the device. A-MPR was disabled for all SAR tests. The following power reductions are used for higher RB allocations and 16-QAM modulation:

Modulation	Channel bandwidth / Transmission bandwidth configuration [RB]						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

5. Measurements for not measured LTE configurations are not required due to the SAR test procedures mentioned in FCC OET KDB 941225 D05 – SAR for LTE Devices v02r05.
6. According to KDB941225 D05 SAR for LTE Devices, for LTE bands that do not support at least three non-overlapping channels in certain channel bandwidths, the middle channel of the group of overlapping channels should be selected for testing.

3. TISSUE PARAMETERS MEASUREMENTS

requeency (MHz)	Target Head Tissue		Measured Head Tissue		Deviation %		Measured Date
	Permittivity ϵ	Conductivity σ [S/m]	Permittivity ϵ	Conductivity σ [S/m]	Permittivity ϵ	Conductivity σ [S/m]	
750	41.94	0.89	44.49	0.94	6.07	5.53	2023-10-16
750	41.94	0.89	43.88	0.95	4.62	6.45	2023-10-18
835	41.55	0.91	40.72	0.97	-2.02	6.97	2023-10-04
900	41.50	0.97	40.90	0.99	-1.44	2.57	2023-10-04
835	41.55	0.91	43.14	0.95	3.81	4.70	2023-10-09
900	41.50	0.97	43.43	0.97	4.65	-0.01	2023-10-09
1750	40.07	1.37	41.63	1.38	3.88	0.61	2023-10-18
1800	40.00	1.40	41.51	1.41	3.78	0.86	2023-10-18
1900	40.00	1.40	41.28	1.46	3.20	4.61	2023-10-18
1750	40.07	1.37	40.62	1.35	1.38	-1.71	2023-10-25
1800	40.00	1.40	40.58	1.38	1.45	-1.43	2023-10-25
1900	40.00	1.40	40.34	1.43	0.84	1.86	2023-10-25
1750	40.07	1.37	40.22	1.42	0.37	3.37	2023-10-30
1800	40.00	1.40	40.14	1.45	0.35	3.89	2023-10-30
1900	40.00	1.40	39.84	1.52	-0.41	8.32	2023-10-30
1750	40.07	1.37	39.78	1.42	-0.73	3.79	2023-11-02
1800	40.00	1.40	39.69	1.46	-0.76	4.15	2023-11-02
1900	40.00	1.40	39.37	1.52	-1.57	8.30	2023-11-02
2000	40.00	1.40	41.32	1.52	3.29	8.85	2023-10-10
2000	40.00	1.40	41.17	1.52	2.92	8.91	2023-10-30
2000	40.00	1.40	41.22	1.51	3.06	7.88	2023-11-02

Note: The dielectric properties have been measured by the contact probe method at 22° C.

DASY5 and DASY6 measurement systems have a SAR error compensation algorithm to automatically compensate the measured SAR results for deviations between the measured and required tissue dielectric parameters, so the tolerance for ϵ and σ may be relaxed to $\pm 10\%$.

- Composition / Information on ingredients

Head Tissue Simulation Liquids HBL600-6000V6

Aqueos solution with surfactants and inhibitors, exact percentage concentration of components is withheld as a trade secret by the manufacturer. Contains:

Ehtanediol	<5.2 %
Sodium petroleum sulfonate	<2.9 %
Hexylene Glycol / 2 – Methyl-pentane-2,4-diol	<2.9 %
Alkoxylated alcohol, > C ₁₆	<2.0 %

4. SYSTEM CHECK MEASUREMENTS

Execution Date	Frequency (MHz)	Exposure Conditions	SAR over	Fast SAR (W/Kg)	SAR (W/Kg)	1 W Target SAR (W/Kg)	1 W Nor. SAR (W/Kg)	Drift (%)
2023-10-16	750	Head	1-g	0.926	0.918	8.85	9.07	2.54
2023-10-16	750	Head	10-g	0.62	0.602	5.81	5.95	2.43
2023-10-18	750	Head	1-g	0.933	0.919	8.85	9.19	3.84
2023-10-18	750	Head	10-g	0.623	0.603	5.81	6.03	3.79
2023-10-04	900	Head	1-g	1.09	1.07	11.1	10.71	-3.49
2023-10-04	900	Head	10-g	0.707	0.694	7.07	6.95	-1.73
2023-10-09	900	Head	1-g	1.10	1.09	10.58	10.9	3.02
2023-10-09	900	Head	10-g	0.717	0.696	6.81	6.96	2.20
2023-10-19	1800	Head	1-g	3.89	3.88	39.74	38.8	-2.37
2023-10-19	1800	Head	10-g	2.06	2.03	20.86	20.3	-2.68
2023-10-25	1800	Head	1-g	3.97	3.91	39.74	39.1	-1.61
2023-10-25	1800	Head	10-g	2.11	2.04	20.86	20.4	-2.21
2023-10-30	1800	Head	1-g	3.99	4.07	39.74	40.7	2.42
2023-10-30	1800	Head	10-g	2.11	2.13	20.86	21.3	2.11
2023-11-02	1800	Head	1-g	3.61	3.63	39.74	36.3	-8.66
2023-11-02	1800	Head	10-g	1.91	1.92	20.86	19.2	-7.96
2023-10-10	2000	Head	1-g	4.24	4.2	42.6	42	-1.41
2023-10-10	2000	Head	10-g	2.2	2.14	22	22	0
2023-10-30	2000	Head	1-g	4.1	4.04	42.69	40.4	-5.36
2023-10-30	2000	Head	10-g	2.1	2.06	21.33	20.6	-3.42
2023-11-02	2000	Head	1-g	3.85	3.89	42.69	38.9	-8.88
2023-11-02	2000	Head	10-g	2.03	1.99	21.33	19.9	-6.70

5. MEASUREMENT RESULTS FOR SAR (SPECIFIC ABSORPTION RATE)

5.1. Summary maximum results for body measurements.

Mode	Side / Position	Channel (Frequency)	Reported SAR 1-g (W/kg)	Limit SAR 1-g (W/kg)
LTE CAT M1 Band 2 50%RB	Top Edge 0 mm	CH 18900 (1880.0 MHz)	1.423	1.6
LTE CAT M1 Band 4 1RB	Top Edge 0 mm	CH 20175 (1732.5 MHz)	0.956	1.6
LTE CAT M1 Band 5 1RB	Top Edge 0 mm	CH 20525 (836.5 MHz)	0.219	1.6
LTE CAT M1 Band 12 1RB	Top Edge 0 mm	CH 23095 (707.5 MHz)	0.854	1.6
LTE CAT M1 Band 13 100%RB	Top Edge 0 mm	CH 23230 (782.0 MHz)	0.833	1.6
LTE CAT M1 Band 25 1RB	Top Edge 0 mm	CH 26140 (1860.0 MHz)	0.629	1.6
LTE CAT M1 Band 26 50%RB	Front Face 0 mm	CH 26865 (831.5 MHz)	0.239	1.6
LTE CAT M1 Band 66 1RB	Top Edge 0 mm	CH 132575 (1770.0 MHz)	1.061	1.6
LTE NB-IoT Band 2 1RB	Top Edge 0 mm	CH 19190 (1909.0 MHz)	1.068	1.6
LTE NB-IoT Band 4 1RB	Top Edge 0 mm	CH 20175 (1732.5 MHz)	0.623	1.6
LTE NB-IoT Band 5 1RB	Top Edge 0 mm	CH 20410 (825.0 MHz)	0.173	1.6
LTE NB-IoT Band 12 1RB	Back Face 0 mm	CH 23020 (700.0 MHz)	0.443	1.6
LTE NB-IoT Band 13 1RB	Top Edge 0 mm	CH 23190 (778.0 MHz)	0.402	1.6
LTE NB-IoT Band 25 1RB	Top Edge 0 mm	CH 26365 (1882.5 MHz)	1.071	1.6
LTE NB-IoT Band 26 1RB	Top Edge 0 mm	CH 26865 (831.5 MHz)	0.135	1.6
LTE NB-IoT Band 66 1RB	Top Edge 0 mm	CH 132662 (1779.0 MHz)	0.735	1.6

Note: As all measured SAR values are below the FCC 1-g Body limit a 0 mm test distance, the device inherently complies with the FCC Extremity 10-g SAR limit.

5.2. LTE CAT-M1

Techenology /Band	Exposure Conditions	Mode	Position	Dist (mm)	Channel	Freq. (MHz)	Estimated SAR 1-g (W/kg)	SAR 1-g (W/kg)	Power Drift (%)	Scale factor	Reported SAR 1-g (W/kg)	Limit SAR 1-g (W/kg)	Verdict	Plot No.
LTE/FDD2	Body	1RB High	Front Face	0	18900.0	1880.00	0.346	N/M	-0.917	1.795	N/M	1.600	P	
		1RB High	Back Face	0	18900.0	1880.00	0.459	N/M	-0.230	1.795	N/M	1.600	P	
		1RB High	Back Face 2 ³	0	18900.0	1880.00	0.465	N/M	-0.459	1.000	N/M	1.600	P	
		1RB High	Left Edge	0	18900.0	1880.00	0.042	N/M	1.274	1.795	N/M	1.600	P	
		1RB High	Right Edge	0	18900.0	1880.00	0.058	N/M	0.809	1.795	N/M	1.600	P	
		1RB High	Top Edge	0	18900.0	1880.00	0.730	0.755	0.000	1.795	1.355	1.600	P	
		1RB High	Bottom Edge	0	18900.0	1880.00	0.015	N/M	1.274	1.795	N/M	1.600	P	
		1RB High	Top Edge	0	18700.0	1860.00	0.692	0.714	-0.574	1.866	1.332	1.600	P	
		1RB High	Top Edge	0	19100.0	1900.00	0.703	0.762	1.976	1.811	1.380	1.600	P	
		50% RB High	Top Edge	0	18900.0	1880.00	0.718	0.747	0.000	1.905	1.423	1.600	P	1
LTE/FDD4	Body	100% RB	Top Edge	0	18700.0	1860.00	0.696	0.723	0.000	1.824	1.319	1.600	P	
		1RB High	Front Face	0	20175.0	1732.50	0.239	N/M	0.115	2.138	N/M	1.600	P	
		1RB High	Back Face	0	20175.0	1732.50	0.237	N/M	0.000	2.138	N/M	1.600	P	
		1RB High	Back Face 2 ³	0	20175.0	1732.50	0.220	N/M	0.462	1.000	N/M	1.600	P	
		1RB High	Left Edge	0	20175.0	1732.50	0.035	N/M	-1.145	2.138	N/M	1.600	P	
		1RB High	Right Edge	0	20175.0	1732.50	0.038	N/M	0.115	2.138	N/M	1.600	P	
		1RB High	Top Edge	0	20175.0	1732.50	0.467	0.447	-0.230	2.138	0.956	1.600	P	2
		1RB High	Bottom Edge	0	20175.0	1732.50	0.011	N/M	-1.938	2.138	N/M	1.600	P	
		50% RB Low	Top Edge	0	20175.0	1732.50	0.440	0.461	-0.115	2.061	0.950	1.600	P	
		100% RB	Top Edge	0	20175.0	1732.50	0.437	0.452	-0.345	2.018	0.912	1.600	P	

Technology /Band	Exposure Conditions	Mode	Position	Dist (mm)	Channel	Freq. (MHz)	Estimated SAR 1-g (W/kg)	SAR 1-g (W/kg)	Power Drift (%)	Scale factor	Reported SAR 1-g (W/kg)	Limit SAR 1-g (W/kg)	Verdict	Plot No.
LTE/FDD5	Body	1RB High	Front Face	0	20525.0	836.50	0.105	0.110	-0.230	1.991	0.219	1.600	P	3
		1RB High	Back Face	0	20525.0	836.50	0.015	N/M	-2.389	1.991	N/M	1.600	P	
		1RB High	Back Face 2 ³	0	20425.0	826.50	0.012	N/M	0.000	1.000	N/M	1.600	P	
		1RB High	Left Edge	0	20525.0	836.50	0.012	N/M	-1.712	1.991	N/M	1.600	P	
		1RB High	Right Edge	0	20525.0	836.50	0.003	N/M	-8.061	1.991	N/M	1.600	P	
		1RB High	Top Edge	0	20525.0	836.50	0.062	N/M	-0.688	1.991	N/M	1.600	P	
		1RB High	Bottom Edge	0	20525.0	836.50	0.000 ²	N/M	0.000	1.991	N/M	1.600	P	
		50% RB Low	Front Face	0	20525.0	836.50	0.094	0.100	-0.115	1.959	0.196	1.600	P	
		100% RB	Front Face	0	20525.0	836.50	0.081	0.086	0.115	2.512	0.216	1.600	P	
LTE/FDD12	Body	1RB High	Front Face	0	23095.0	707.50	0.186	N/M	0.462	2.000	N/M	1.600	P	
		1RB High	Back Face	0	23095.0	707.50	0.318	N/M	-0.345	2.000	N/M	1.600	P	
		1RB High	Back Face 2 ³	0	23095.0	707.50	0.296	N/M	-0.115	1.000	N/M	1.600	P	
		1RB High	Left Edge	0	23095.0	707.50	0.042	N/M	1.042	2.000	N/M	1.600	P	
		1RB High	Right Edge	0	23095.0	707.50	0.032	N/M	0.115	2.000	N/M	1.600	P	
		1RB High	Top Edge	0	23095.0	707.50	0.419	0.427	0.115	2.000	0.854	1.600	P	4
		1RB High	Bottom Edge	0	23095.0	707.50	0.011	N/M	3.514	2.000	N/M	1.600	P	
		50% RB Low	Top Edge	0	23095.0	707.50	0.424	0.429	-0.803	1.910	0.819	1.600	P	
		100% RB	Top Edge	0	23095.0	707.50	0.346	0.351	-0.230	2.427	0.852	1.600	P	
LTE/FDD13	Body	1RB High	Front Face	0	23230.0	782.00	0.079	N/M	0.231	2.443	N/M	1.600	P	
		1RB High	Back Face	0	23230.0	782.00	0.299	N/M	0.000	2.443	N/M	1.600	P	
		1RB High	Back Face 2 ³	0	23230.0	782.00	0.328	N/M	-0.115	1.000	N/M	1.600	P	
		1RB High	Left Edge	0	23230.0	782.00	0.022	N/M	1.042	2.443	N/M	1.600	P	
		1RB High	Right Edge	0	23230.0	782.00	0.027	N/M	0.346	2.443	N/M	1.600	P	
		1RB High	Top Edge	0	23230.0	782.00	0.328	0.330	-0.688	2.443	0.806	1.600	P	
		1RB High	Bottom Edge	0	23230.0	782.00	0.005	N/M	0.231	2.443	N/M	1.600	P	
		50% RB High	Top Edge	0	23230.0	782.00	0.309	0.317	0.000	2.360	0.748	1.600	P	
		100% RB	Top Edge	0	23230.0	782.00	0.277	0.286	0.115	2.911	0.833	1.600	P	5

Technology /Band	Exposure Conditions	Mode	Position	Dist (mm)	Channel	Freq. (MHz)	Estimated SAR 1-g (W/kg)	SAR 1-g (W/kg)	Power Drift (%)	Scale factor	Reported SAR 1-g (W/kg)	Limit SAR 1-g (W/kg)	Verdict	Plot No.
LTE/FDD25	Body	1RB High	Front Face	0	26590.0	1905.00	0.112	N/M	-0.459	2.218	N/M	1.600	P	
		1RB High	Back Face	0	26590.0	1905.00	0.166	N/M	-0.688	2.218	N/M	1.600	P	
		1 RB High	Back Face 2 ³	0	26590.0	1905.00	0.160	N/M	0.115	1.000	N/M	1.600	P	
		1RB High	Left Edge	0	26590.0	1905.00	0.050	N/M	0.231	2.218	N/M	1.600	P	
		1RB High	Right Edge	0	26590.0	1905.00	0.051	N/M	1.274	2.218	N/M	1.600	P	
		1RB High	Top Edge	0	26590.0	1905.00	0.239	0.240	-0.345	2.218	0.532	1.600	P	
		1RB High	Bottom Edge	0	26590.0	1905.00	0.012	N/M	3.395	2.218	N/M	1.600	P	
		1RB High	Top Edge	0	26140.0	1860.00	0.270	0.277	0.000	2.270	0.629	1.600	P	6
		1RB Low	Top Edge	0	26365.0	1882.50	0.260	0.267	-0.345	2.239	0.598	1.600	P	
		50% RB High	Top Edge	0	26590.0	1905.00	0.242	0.245	0.020	2.244	0.550	1.600	P	
		100% RB	Top Edge	0	26590.0	1905.00	0.243	0.245	0.346	2.213	0.542	1.600	P	
LTE/FDD26	Body	1RB High	Front Face	0	26865.0	831.50	0.105	0.110	0.693	2.118	0.233	1.600	P	
		1RB High	Back Face	0	26865.0	831.50	0.015	N/M	-1.031	2.118	N/M	1.600	P	
		1RB High	Back Face 2 ³	0	26865.0	831.50	0.017	N/M	0.577	1.000	N/M	1.600	P	
		1RB High	Left Edge	0	26865.0	831.50	0.007	N/M	-1.145	2.118	N/M	1.600	P	
		1RB High	Right Edge	0	26865.0	831.50	0.003	N/M	-1.938	2.118	N/M	1.600	P	
		1RB High	Top Edge	0	26865.0	831.50	0.059	N/M	-0.115	2.118	N/M	1.600	P	
		1RB High	Bottom Edge	0	26865.0	831.50	0.002	N/M	-6.028	2.118	N/M	1.600	P	
		50% RB High	Front Face	0	26865.0	831.50	0.107	0.112	-0.345	2.138	0.239	1.600	P	7
		100% RB	Front Face	0	26865.0	831.50	0.101	0.106	-0.574	2.109	0.224	1.600	P	

Techenology /Band	Exposure Conditions	Mode	Position	Dist (mm)	Channel	Freq. (MHz)	Estimated SAR 1-g (W/kg)	SAR 1-g (W/kg)	Power Drift (%)	Scale factor	Reported SAR 1-g (W/kg)	Limit SAR 1-g (W/kg)	Verdict	Plot No.
LTE/FDD66	Body	1RB High	Front Face	0	132322.0	1745.00	0.259	N/M	0.115	2.061	N/M	1.600	P	
		1RB High	Back Face	0	132322.0	1745.00	0.231	N/M	0.115	2.061	N/M	1.600	P	
		1RB High	Back Face 2 ³	0	132322.0	1745.00	0.225	N/M	-0.115	1.000	N/M	1.600	P	
		1RB High	Left Edge	0	132322.0	1745.00	0.036	N/M	-0.345	2.061	N/M	1.600	P	
		1RB High	Right Edge	0	132322.0	1745.00	0.038	N/M	1.158	2.061	N/M	1.600	P	
		1RB High	Top Edge	0	132322.0	1745.00	0.469	0.450	0.000	2.061	0.927	1.600	P	
		1RB High	Bottom Edge	0	132322.0	1745.00	0.011	N/M	-6.567	2.061	N/M	1.600	P	
		1RB High	Top Edge	0	132072.0	1720.00	0.419	0.443	0.462	2.099	0.930	1.600	P	
		1RB High	Top Edge	0	132575.0	1770.00	0.492	0.514	-0.459	2.065	1.061	1.600	P	8
		50% RB Low	Top Edge	0	132072.0	1720.00	0.426	0.455	0.577	2.056	0.935	1.600	P	
		100% RB	Top Edge	0	132072.0	1720.00	0.429	0.456	-0.115	2.014	0.918	1.600	P	

N/M: Not Measured (See ¡Error! No se encuentra el origen de la referencia.1.)
2: (See ¡Error! No se encuentra el origen de la referencia. 2.)
3: (See ¡Error! No se encuentra el origen de la referencia. 3.)

5.3. LTE NB-IoT

Technology /Band	Exposure Conditions	Mode	Position	Dist (mm)	Channel	Freq. (MHz)	Estimated SAR 1-g (W/kg)	SAR 1-g (W/kg)	Power Drift (%)	Scale factor	Reported SAR 1-g (W/kg)	Limit SAR 1-g (W/kg)	Verdict	Plot No.
LTE/FDD2	Body	1RB Low	Front Face	0	18900.0	1880.00	0.217	N/M	-0.345	2.113	N/M	1.600	P	
		1RB Low	Back Face	0	18900.0	1880.00	0.283	N/M	0.231	2.113	N/M	1.600	P	
		1RB Low	Back Face 2 ³	0	18900.0	1880.00	0.250	N/M	-0.230	1.000	N/M	1.600	P	
		1RB Low	Left Edge	0	18900.0	1880.00	0.027	N/M	-0.459	2.113	N/M	1.600	P	
		1RB Low	Right Edge	0	18900.0	1880.00	0.031	N/M	-1.825	2.113	N/M	1.600	P	
		1RB Low	Top Edge	0	18900.0	1880.00	0.389	0.397	0.577	2.113	0.839	1.600	P	
		1RB Low	Bottom Edge	0	18900.0	1880.00	0.009	N/M	4.232	2.113	N/M	1.600	P	
		1RB Low	Top Edge	0	18610.0	1851.00	0.448	0.459	-0.688	2.123	0.974	1.600	P	
		1RB Mid	Top Edge	0	19190.0	1909.00	0.470	0.488	-0.345	2.188	1.068	1.600	P	9
		50% RB Mid	Top Edge	0	18900.0	1880.00	0.341	0.350	0.000	2.355	0.824	1.600	P	
		100% RB	Top Edge	0	18900.0	1880.00	0.154	0.155	0.115	2.477	0.384	1.600	P	
LTE/FDD4	Body	1RB High	Front Face	0	20175.0	1732.50	0.156	N/M	0.000	2.009	N/M	1.600	P	
		1RB High	Back Face	0	20175.0	1732.50	0.148	N/M	-0.917	2.009	N/M	1.600	P	
		1RB High	Back Face 2 ³	0	20175.0	1732.50	0.137	N/M	0.346	1.000	N/M	1.600	P	
		1RB High	Left Edge	0	20175.0	1732.50	0.027	N/M	-0.115	2.009	N/M	1.600	P	
		1RB High	Right Edge	0	20175.0	1732.50	0.029	N/M	0.925	2.009	N/M	1.600	P	
		1RB High	Top Edge	0	20175.0	1732.50	0.301	0.310	-0.459	2.009	0.623	1.600	P	10
		1RB High	Bottom Edge	0	20175.0	1732.50	0.007	N/M	4.232	2.009	N/M	1.600	P	
		1RB Low	Top Edge	0	19960.0	1711.00	0.271	0.283	0.346	2.061	0.583	1.600	P	
		1RB Low	Top Edge	0	20175.0	1732.50	0.296	0.309	-0.345	2.014	0.622	1.600	P	
		50% RB Mid	Top Edge	0	20390.0	1754.00	0.229	0.239	0.115	2.254	0.539	1.600	P	
		100% RB	Top Edge	0	20175.0	1732.50	0.095	0.097	0.231	2.333	0.226	1.600	P	

Technology /Band	Exposure Conditions	Mode	Position	Dist (mm)	Channel	Freq. (MHz)	Estimated SAR 1-g (W/kg)	SAR 1-g (W/kg)	Power Drift (%)	Scale factor	Reported SAR 1-g (W/kg)	Limit SAR 1-g (W/kg)	Verdict	Plot No.
LTE/FDD5	Body	1RB Low	Front Face	0	20525.0	836.50	0.044	N/M	-0.917	1.932	N/M	1.600	P	
		1RB Low	Back Face	0	20525.0	836.50	0.036	N/M	1.042	1.932	N/M	1.600	P	
		1RB Low	Back Face 2 ³	0	20525.0	836.50	0.044	N/M	0.230	1.932	N/M	1.600	P	
		1RB Low	Left Edge	0	20525.0	836.50	0.005	N/M	-0.230	1.932	N/M	1.600	P	
		1RB Low	Right Edge	0	20525.0	836.50	0.006	N/M	4.954	1.932	N/M	1.600	P	
		1RB Low	Top Edge	0	20525.0	836.50	0.063	0.064	0.577	1.932	0.124	1.600	P	
		1RB Low	Bottom Edge	0	20525.0	836.50	0.000 ²	N/M	28.973 ²	1.932	N/M	1.600	P	
		1RB Low	Top Edge	0	20410.0	825.00	0.087	0.089	-1.599	1.945	0.173	1.600	P	11
		1RB Mid	Top Edge	0	20640.0	848.00	0.054	0.056	-0.574	1.986	0.111	1.600	P	
		50% RB Mid	Top Edge	0	20410.0	825.00	0.062	0.063	0.000	2.198	0.138	1.600	P	
		100% RB	Top Edge	0	20410.0	825.00	0.019	0.018	-1.938	2.286	0.041	1.600	P	
LTE/FDD12	Body	1RB Low	Front Face	0	23095.0	707.50	0.037	N/M	-2.389	1.986	N/M	1.600	P	
		1RB Low	Back Face	0	23095.0	707.50	0.207	0.207	-1.49	1.986	0.411	1.600	P	
		1RB Low	Back Face 2 ³	0	23095.0	707.50	0.184	N/M	0.693	1.000	N/M	1.600	P	
		1RB Low	Left Edge	0	23095.0	707.50	0.009	N/M	-1.712	1.986	N/M	1.600	P	
		1RB Low	Right Edge	0	23095.0	707.50	0.024	N/M	0.693	1.986	N/M	1.600	P	
		1RB Low	Top Edge	0	23095.0	707.50	0.181	N/M	0.346	1.986	N/M	1.600	P	
		1RB Low	Bottom Edge	0	23095.0	707.50	0.000 ²	N/M	-9.635 ²	1.986	N/M	1.600	P	
		1RB Low	Back Face	0	23020.0	700.00	0.200	0.214	-0.115	2.070	0.443	1.600	P	12
		1RB Mid	Back Face	0	23170.0	715.00	0.204	0.216	0.000	2.046	0.442	1.600	P	
		50% RB Mid	Back Face	0	23095.0	707.50	0.152	0.159	-0.345	2.301	0.366	1.600	P	
		100% RB	Back Face	0	23095.0	707.50	0.068	0.071	-0.115	2.382	0.169	1.600	P	

Technology /Band	Exposure Conditions	Mode	Position	Dist (mm)	Channel	Freq. (MHz)	Estimated SAR 1-g (W/kg)	SAR 1-g (W/kg)	Power Drift (%)	Scale factor	Reported SAR 1-g (W/kg)	Limit SAR 1-g (W/kg)	Verdict	Plot No.
LTE/FDD13	Body	1RB Low	Front Face	0	23190.0	778.00	0.021	N/M	0.231	1.914	N/M	1.600	P	
		1RB Low	Back Face	0	23190.0	778.00	0.110	N/M	0.577	1.914	N/M	1.600	P	
		1RB Low	Back Face 2 ³	0	23190.0	778.00	0.138	N/M	-0.345	1.000	N/M	1.600	P	
		1RB Low	Left Edge	0	23190.0	778.00	0.003	N/M	-8.904	1.914	N/M	1.600	P	
		1RB Low	Right Edge	0	23190.0	778.00	0.019	N/M	1.625	1.914	N/M	1.600	P	
		1RB Low	Top Edge	0	23190.0	778.00	0.207	0.210	-0.688	1.914	0.402	1.600	P	13
		1RB Low	Bottom Edge	0	23190.0	778.00	0.000 ²	N/M	-18.248 ²	1.914	N/M	1.600	P	
		1RB Low	Top Edge	0	23230.0	782.00	0.200	0.197	0.115	1.950	0.384	1.600	P	
		1RB Mid	Top Edge	0	23270.0	786.00	0.183	0.185	-0.574	1.972	0.365	1.600	P	
		50% RB Mid	Top Edge	0	23190.0	778.00	0.153	0.156	0.693	2.193	0.342	1.600	P	
		100% RB	Top Edge	0	23190.0	778.00	0.021	0.021	1.508	2.228	0.047	1.600	P	
LTE/FDD25	Body	1RB Low	Front Face	0	26050.0	1851.00	0.225	N/M	-0.115	2.188	N/M	1.600	P	
		1RB Low	Back Face	0	26050.0	1851.00	0.220	N/M	-0.459	2.188	N/M	1.600	P	
		1RB Low	Back Face 2 ³	0	26050.0	1851.00	0.338	N/M	0.000	1.000	N/M	1.600	P	
		1RB Low	Left Edge	0	26050.0	1851.00	0.031	N/M	1.508	2.188	N/M	1.600	P	
		1RB Low	Right Edge	0	26050.0	1851.00	0.031	N/M	-0.574	2.188	N/M	1.600	P	
		1RB Low	Top Edge	0	26050.0	1851.00	0.448	0.461	0.115	2.188	1.009	1.600	P	
		1RB Low	Bottom Edge	0	26050.0	1851.00	0.033	N/M	2.329	2.188	N/M	1.600	P	
		1RB Low	Top Edge	0	26365.0	1882.50	0.489	0.486	0.115	2.203	1.071	1.600	P	14
		1RB Mid	Top Edge	0	26680.0	1914.00	0.446	0.454	-0.230	2.244	1.019	1.600	P	
		50% RB Mid	Top Edge	0	26050.0	1851.00	0.322	0.333	-0.345	2.506	0.834	1.600	P	
		100% RB	Top Edge	0	26050.0	1851.00	0.144	0.152	-0.459	3.055	0.464	1.600	P	

Techenology /Band	Exposure Conditions	Mode	Position	Dist (mm)	Channel	Freq. (MHz)	Estimated SAR 1-g (W/kg)	SAR 1-g (W/kg)	Power Drift (%)	Scale factor	Reported SAR 1-g (W/kg)	Limit SAR 1-g (W/kg)	Verdict	Plot No.
LTE/FDD26	Body	1RB Low	Front Face	0	26865.0	831.50	0.045	N/M	0.693	1.879	N/M	1.600	P	
		1RB Low	Back Face	0	26865.0	831.50	0.052	N/M	0.346	1.879	N/M	1.600	P	
		1RB Low	Back Face 2 ³	0	26865.0	831.50	0.057	N/M	-0.459	1.000	N/M	1.600	P	
		1RB Low	Left Edge	0	26865.0	831.50	0.003	N/M	-6.352	1.879	N/M	1.600	P	
		1RB Low	Right Edge	0	26865.0	831.50	0.007	N/M	-5.594	1.879	N/M	1.600	P	
		1RB Low	Top Edge	0	26865.0	831.50	0.071	0.072	0.346	1.879	0.135	1.600	P	15
		1RB Low	Bottom Edge	0	26865.0	831.50	0.000 ²	N/M	35.675 ²	1.879	N/M	1.600	P	
		1RB Low	Top Edge	0	26700.0	815.00	0.023	0.022	-0.917	1.892	0.042	1.600	P	
		1RB Mid	Top Edge	0	27030.0	848.00	0.049	0.048	0.346	1.892	0.091	1.600	P	
		50% RB Mid	Top Edge	0	26700.0	815.00	0.040	0.040	0.231	2.113	0.085	1.600	P	
		100% RB	Top Edge	0	26700.0	815.00	0.033	0.033	-1.145	2.213	0.073	1.600	P	
LTE/FDD66	Body	1RB Low	Front Face	0	132322.0	1745.00	0.201	N/M	-0.574	1.959	N/M	1.600	P	
		1RB Low	Back Face	0	132322.0	1745.00	0.145	N/M	-0.115	1.959	N/M	1.600	P	
		1RB Low	Back Face 2 ³	0	132322.0	1745.00	0.140	N/M	0.809	1.000	N/M	1.600	P	
		1RB Low	Left Edge	0	132322.0	1745.00	0.026	N/M	0.462	1.959	N/M	1.600	P	
		1RB Low	Right Edge	0	132322.0	1745.00	0.020	N/M	0.693	1.959	N/M	1.600	P	
		1RB Low	Top Edge	0	132322.0	1745.00	0.321	0.319	-0.803	1.959	0.625	1.600	P	
		1RB Low	Bottom Edge	0	132322.0	1745.00	0.007	N/M	-4.281	1.959	N/M	1.600	P	
		1RB Low	Top Edge	0	131982.0	1711.00	0.275	0.284	0.115	2.018	0.573	1.600	P	
		1RB Mid	Top Edge	0	132662.0	1779.00	0.349	0.359	0.231	2.046	0.735	1.600	P	16
		50% RB Mid	Top Edge	0	132322.0	1745.00	0.226	0.233	0.346	2.333	0.544	1.600	P	
		100% RB	Top Edge	0	132322.0	1745.00	0.101	0.103	0.462	2.773	0.286	1.600	P	

N/M: Not Measured (See ¡Error! No se encuentra el origen de la referencia.1.)

2: (See ¡Error! No se encuentra el origen de la referencia. 2.)

3: (See ¡Error! No se encuentra el origen de la referencia. 3.)

Appendix C: Measurement report



Plot Nº1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	175.0 x 200.0 x 90.0		ECG monitoring

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 2	LTE-FDD, 10297-AAE	1880.0, 18900	8.3	1.46	41.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 1800MHz - 2023- 10-18 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

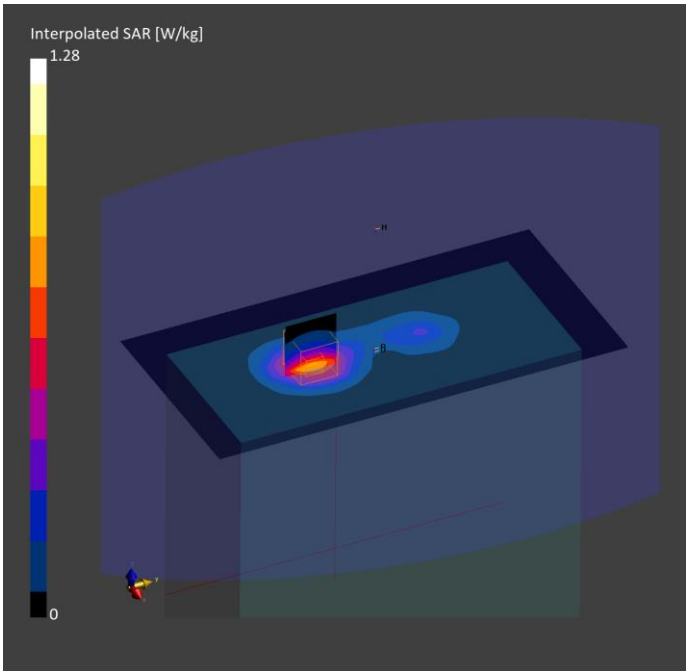
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-20, 16:44	2023-10-20, 16:50
psSAR1g [W/kg]	0.718	0.747
psSAR10g [W/kg]	0.405	0.422
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		83.9
Dist 3dB Peak [mm]		14.1

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	175.0 x 200.0 x 90.0		ECG monitoring

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 4	LTE-FDD, 10169-CAF	1732.5, 20175	8.3	1.37	41.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 1800MHz - 2023-10-18 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

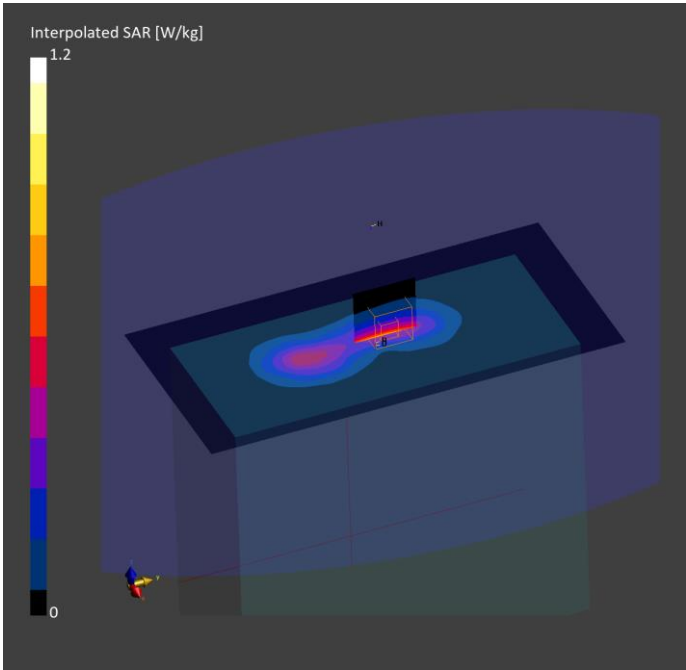
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-19, 20:51	2023-10-19, 21:04
psSAR1g [W/kg]	0.467	0.447
psSAR10g [W/kg]	0.270	0.258
Power Drift [dB]	0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		81.8
Dist 3dB Peak [mm]		12.0

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº3

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	175.0 x 200.0 x 90.0		ECG monitoring

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	Band 5	LTE-FDD, 10175-CAH	836.5, 20525	9.47	0.973	40.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 900MHz - 2023-10-04 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

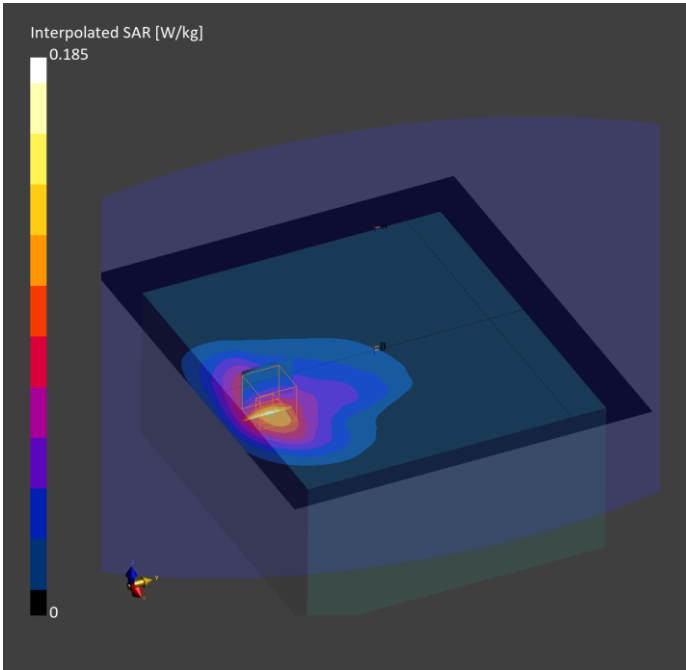
	Area Scan	Zoom Scan
Grid Extents [mm]	240.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-06, 12:08	2023-10-06, 12:14
psSAR1g [W/kg]	0.105	0.110
psSAR10g [W/kg]	0.071	0.072
Power Drift [dB]	-0.02	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		82.5
Dist 3dB Peak [mm]		18.4

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	175.0 x 200.0 x 90.0		ECG monitoring

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 12	LTE-FDD, 10175-CAH	707.5, 23095	9.9	0.930	44.6

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 750MHz - 2023-10-16 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

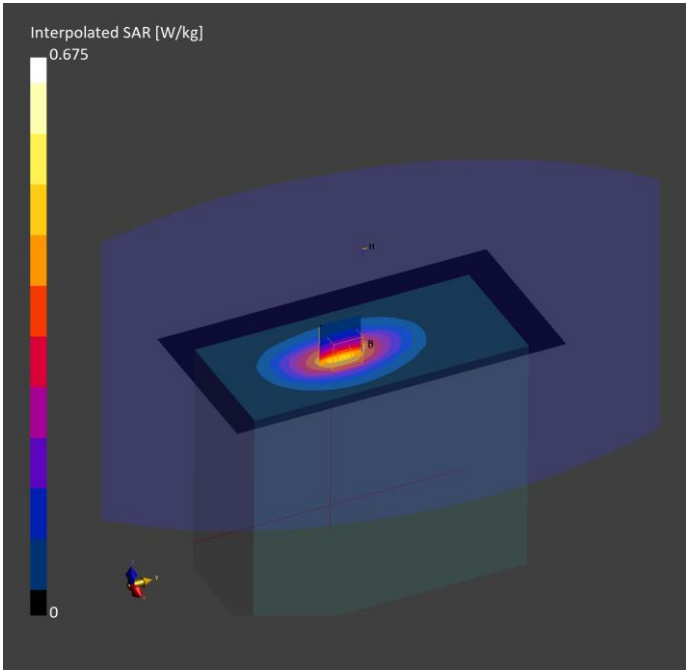
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-16, 15:37	2023-10-16, 15:43
psSAR1g [W/kg]	0.419	0.427
psSAR10g [W/kg]	0.284	0.279
Power Drift [dB]	-0.03	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		86.0
Dist 3dB Peak [mm]		16.7

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº5

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	175.0 x 200.0 x 90.0		ECG monitoring

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 13	LTE-FDD, 10108-CAH	782.0, 23230	9.9	0.954	44.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 750MHz - 2023-10-16 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

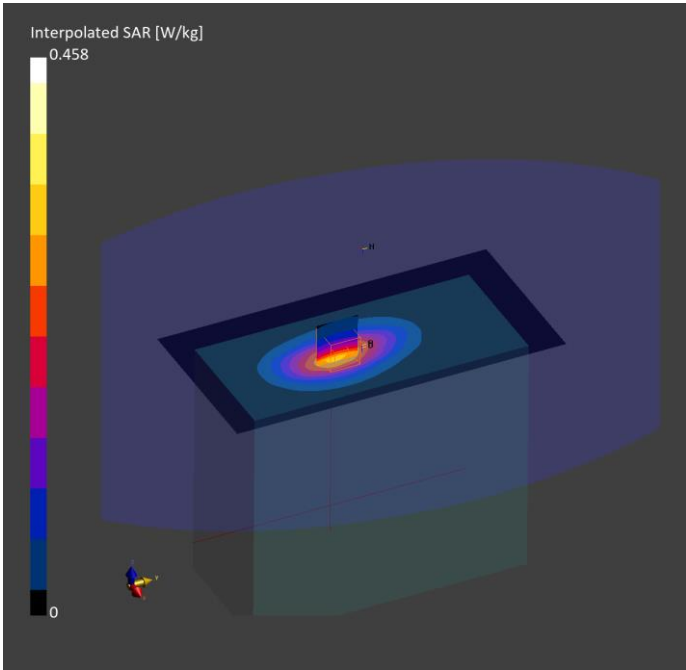
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-17, 12:01	2023-10-17, 12:07
psSAR1g [W/kg]	0.277	0.286
psSAR10g [W/kg]	0.186	0.184
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		85.2
Dist 3dB Peak [mm]		15.6

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	175.0 x 200.0 x 90.0		ECG monitoring

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 25	LTE-FDD, 10169-CAF	1860.0, 26140	9.47	1.50	39.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 1800MHz - 2023-11-02 , --	EX3DV4 - SN7766, 2023-10-17	DAE4 Sn1690, 2023-10-20

Scan Setup

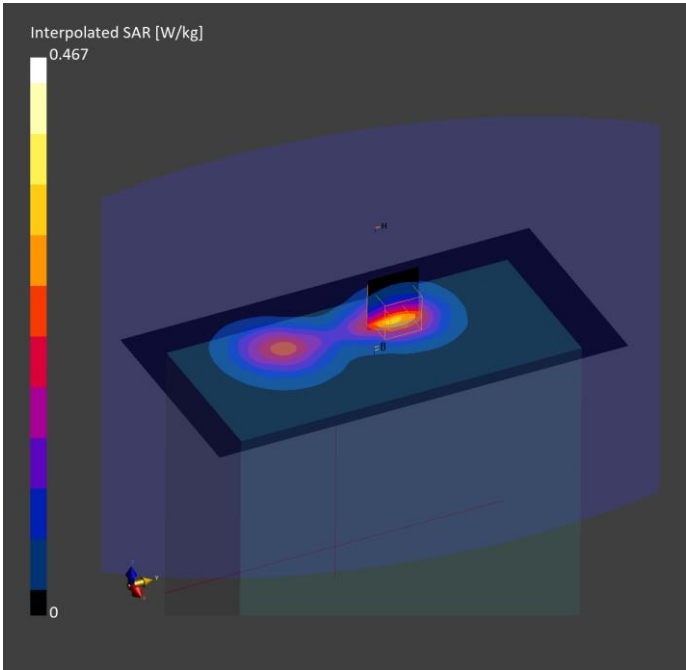
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-03, 13:59	2023-11-03, 14:05
psSAR1g [W/kg]	0.270	0.277
psSAR10g [W/kg]	0.154	0.162
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		84.4
Dist 3dB Peak [mm]		15.6

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº7

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	175.0 x 200.0 x 90.0		ECG monitoring

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	Band 26	LTE-FDD, 10160-CAF	831.5, 26865	9.47	0.970	40.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 900MHz - 2023-10-04 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

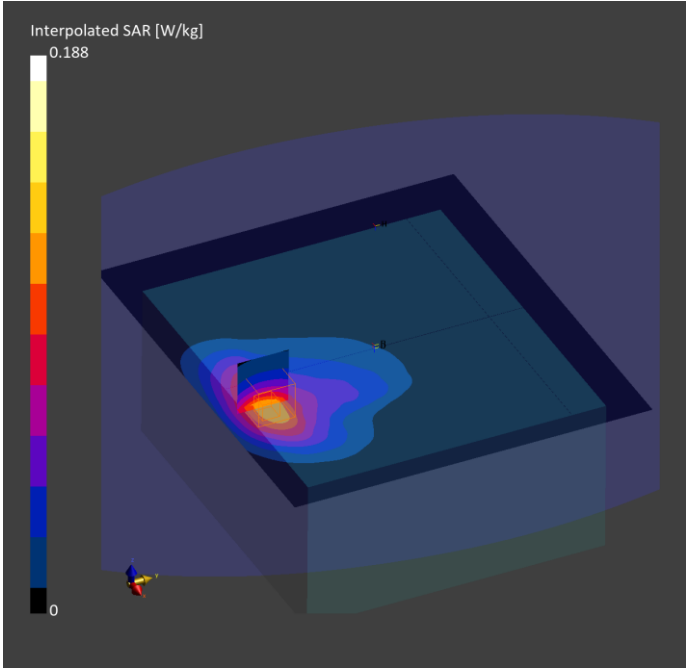
	Area Scan	Zoom Scan
Grid Extents [mm]	240.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-06, 11:31	2023-10-06, 11:37
psSAR1g [W/kg]	0.107	0.112
psSAR10g [W/kg]	0.072	0.074
Power Drift [dB]	-0.01	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		83.2
Dist 3dB Peak [mm]		21.3

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº8

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	175.0 x 200.0 x 90.0		ECG monitoring

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 66	LTE-FDD, 10169-CAF	1770.0, 132572	8.3	1.39	41.6

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 1800MHz - 2023-10-18 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

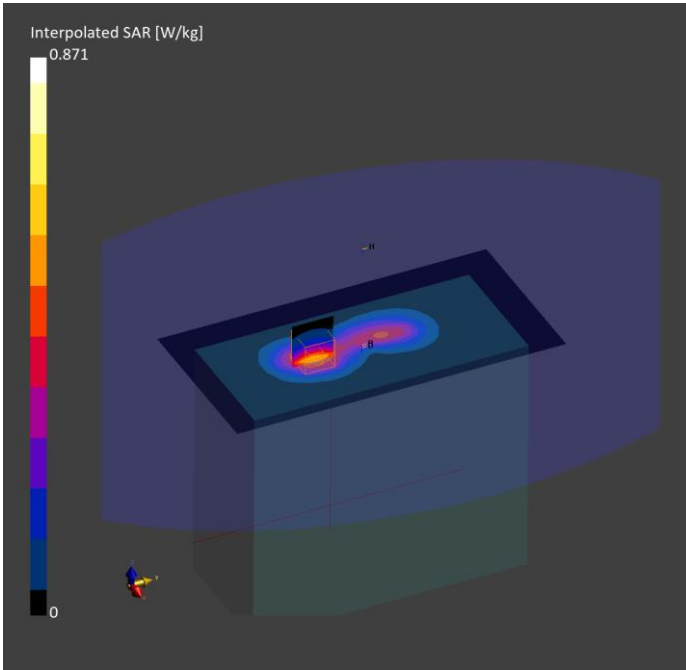
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-20, 15:25	2023-10-20, 15:31
psSAR1g [W/kg]	0.492	0.514
psSAR10g [W/kg]	0.284	0.296
Power Drift [dB]	0.00	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		83.7
Dist 3dB Peak [mm]		14.4

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº9

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	175.0 x 200.0 x 90.0		ECG monitoring

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 2	LTE-FDD, 10169-CAF	1909.0, 19190	8.3	1.43	40.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 1800MHz - 2023-10-25 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

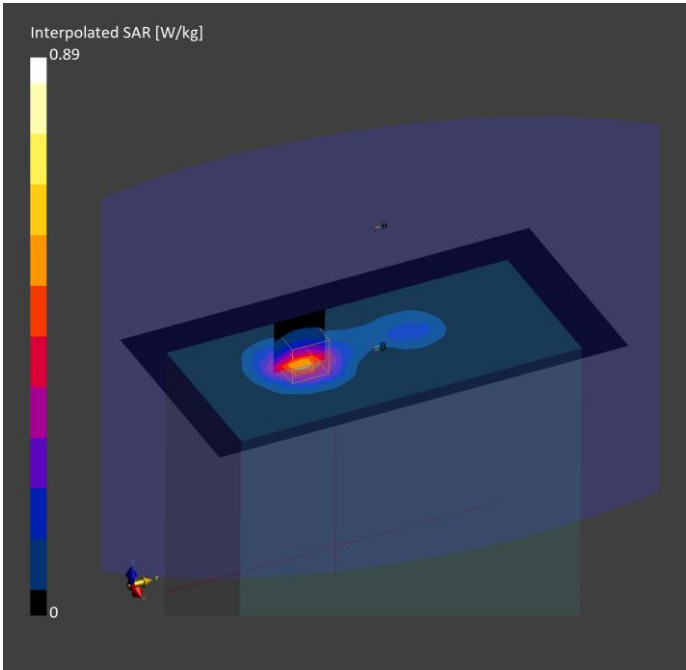
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-26, 20:59	2023-10-26, 21:05
psSAR1g [W/kg]	0.470	0.488
psSAR10g [W/kg]	0.258	0.274
Power Drift [dB]	-0.05	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		79.5
Dist 3dB Peak [mm]		13.2

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº10

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	175.0 x 200.0 x 90.0		ECG monitoring

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 4	LTE-FDD, 10169-CAF	1732.5, 20175	8.3	1.34	40.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 1800MHz - 2023-10-25 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

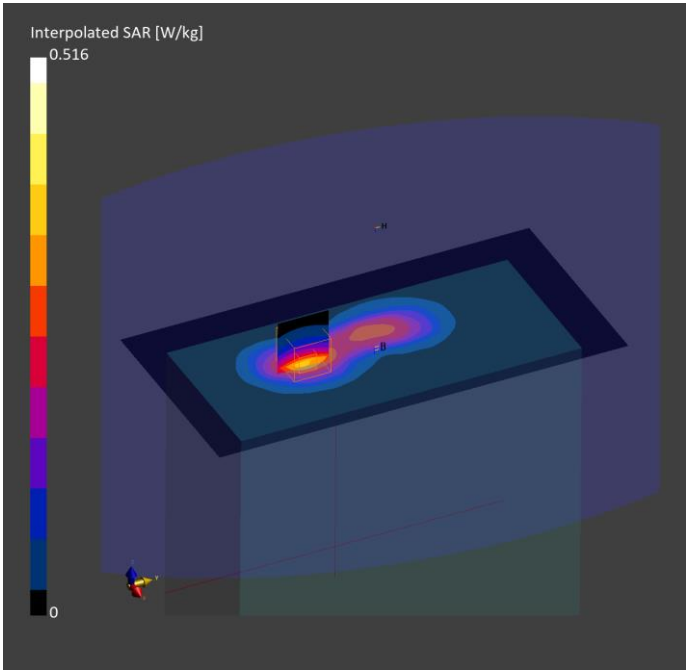
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-25, 21:41	2023-10-25, 21:47
psSAR1g [W/kg]	0.301	0.310
psSAR10g [W/kg]	0.171	0.180
Power Drift [dB]	0.04	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		85.4
Dist 3dB Peak [mm]		14.1

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº11

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	175.0 x 200.0 x 90.0		ECG monitoring

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 5	LTE-FDD, 10175-CAH	825.0, 20410	9.47	0.940	43.2

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 900MHz - 2023-10-09 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

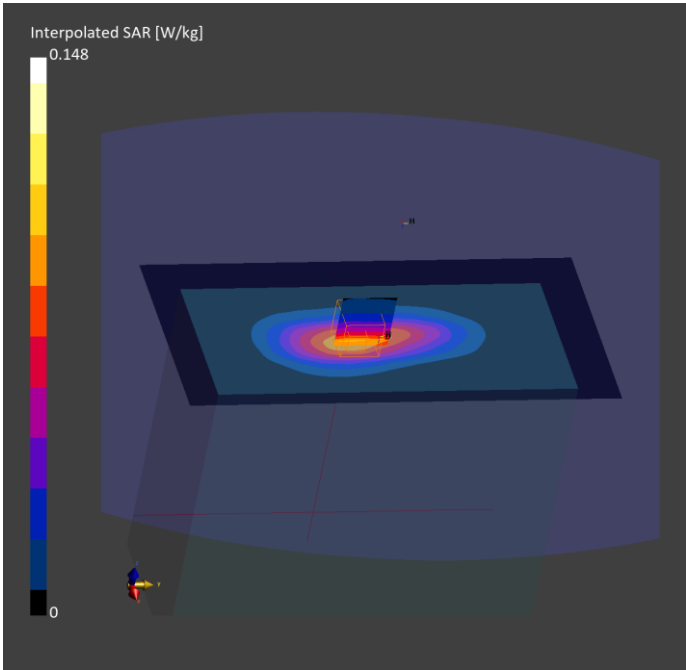
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-10, 16:00	2023-10-10, 16:06
psSAR1g [W/kg]	0.087	0.089
psSAR10g [W/kg]	0.058	0.057
Power Drift [dB]	-0.08	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		84.7
Dist 3dB Peak [mm]		14.4

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº12

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	175.0 x 200.0 x 90.0		ECG monitoring

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	Band 12	LTE-FDD, 10175-CAH	700.0, 23020	9.9	0.920	44.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 750MHz - 2023-10-16 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

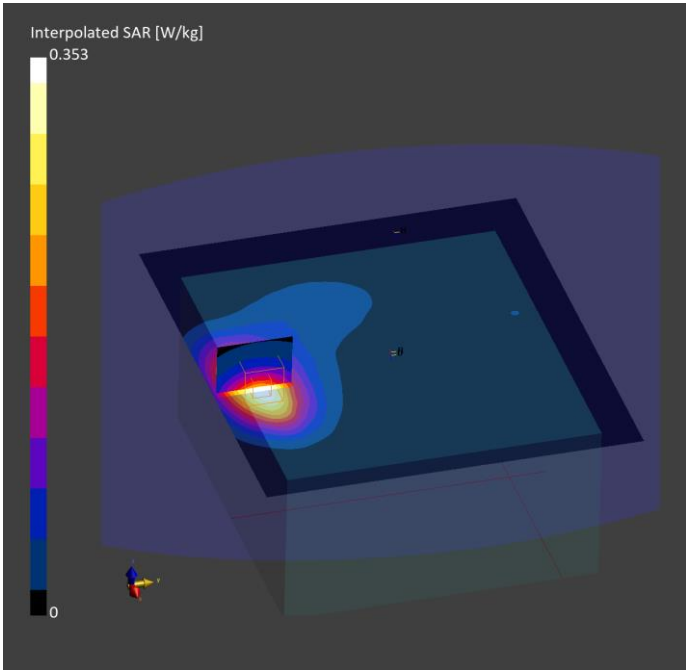
	Area Scan	Zoom Scan
Grid Extents [mm]	240.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-17, 19:52	2023-10-17, 20:01
psSAR1g [W/kg]	0.200	0.214
psSAR10g [W/kg]	0.134	0.137
Power Drift [dB]	-0.06	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		83.6
Dist 3dB Peak [mm]		16.1

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº13

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	175.0 x 200.0 x 90.0		ECG monitoring

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 13	LTE-FDD, 10175-CAH	778.0, 23190	9.9	0.950	44.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 750MHz - 2023-10-16 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

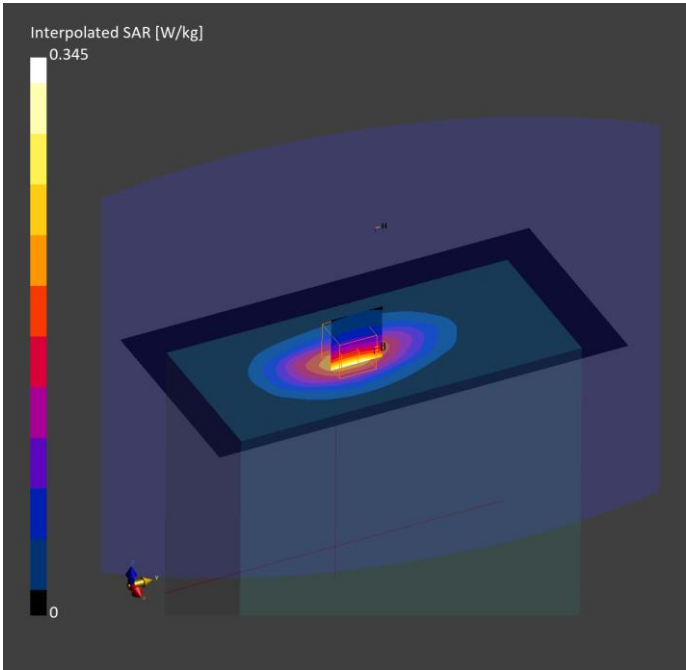
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-17, 16:39	2023-10-17, 16:45
psSAR1g [W/kg]	0.207	0.210
psSAR10g [W/kg]	0.139	0.136
Power Drift [dB]	-0.05	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		80.9
Dist 3dB Peak [mm]		13.0

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº14

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	175.0 x 200.0 x 90.0		ECG monitoring

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 25	LTE-FDD, 10169-CAF	1882.5, 26365	9.47	1.51	39.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 1800MHz - 2023-10-30 , --	EX3DV4 - SN7766, 2023-10-17	DAE4 Sn1690, 2023-10-20

Scan Setup

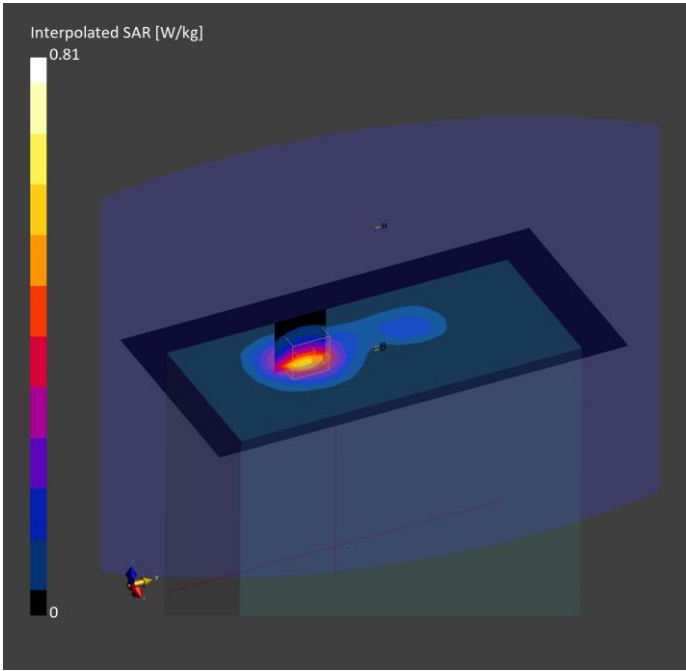
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-31, 20:46	2023-10-31, 20:52
psSAR1g [W/kg]	0.489	0.486
psSAR10g [W/kg]	0.270	0.275
Power Drift [dB]	0.00	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		84.4
Dist 3dB Peak [mm]		14.1

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº15

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	175.0 x 200.0 x 90.0		ECG monitoring

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 26	LTE-FDD, 10181-CAF	831.5, 26865	9.47	0.950	43.2

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 900MHz - 2023-10-09 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

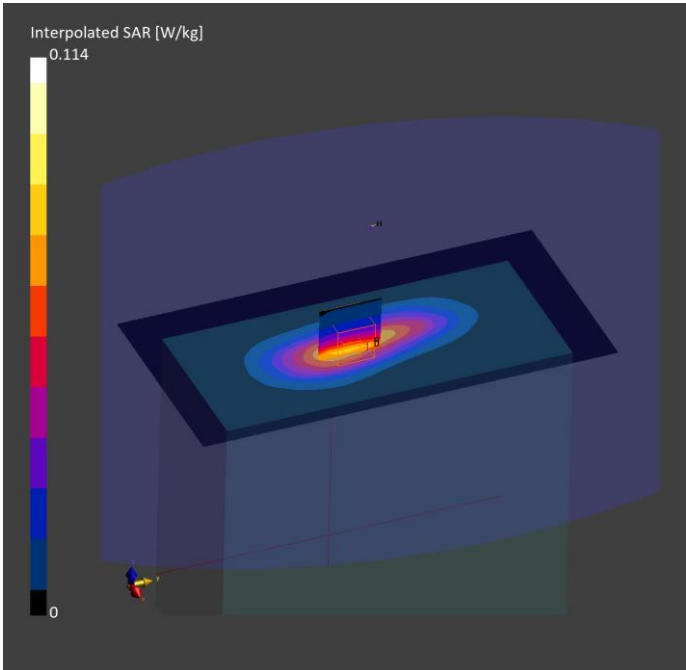
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-11, 11:03	2023-10-11, 11:10
psSAR1g [W/kg]	0.071	0.072
psSAR10g [W/kg]	0.046	0.046
Power Drift [dB]	0.03	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		85.4
Dist 3dB Peak [mm]		14.1

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Plot Nº16

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	175.0 x 200.0 x 90.0		ECG monitoring

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 66	LTE-FDD, 10169-CAF	1779.0, 132662	8.3	1.36	40.6

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 1800MHz - 2023-10-25 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

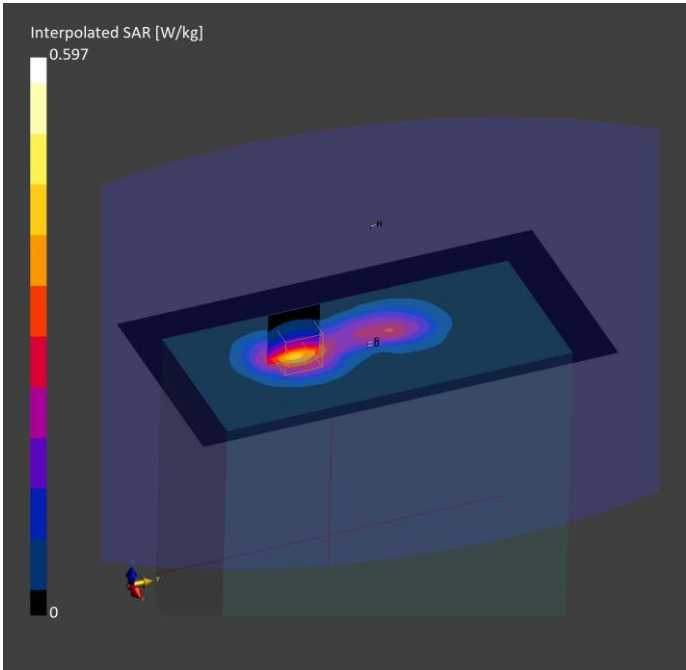
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-26, 19:47	2023-10-26, 19:53
psSAR1g [W/kg]	0.349	0.359
psSAR10g [W/kg]	0.196	0.205
Power Drift [dB]	0.02	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		83.7
Dist 3dB Peak [mm]		14.5

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Appendix D: System Validation Report

Validation results in 750 MHz Band for Head TSL

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	n/a x n/a x n/a		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,		CW, 0--	750.0, 0	9.9	0.940	44.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 750MHz - 2023-10-16 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

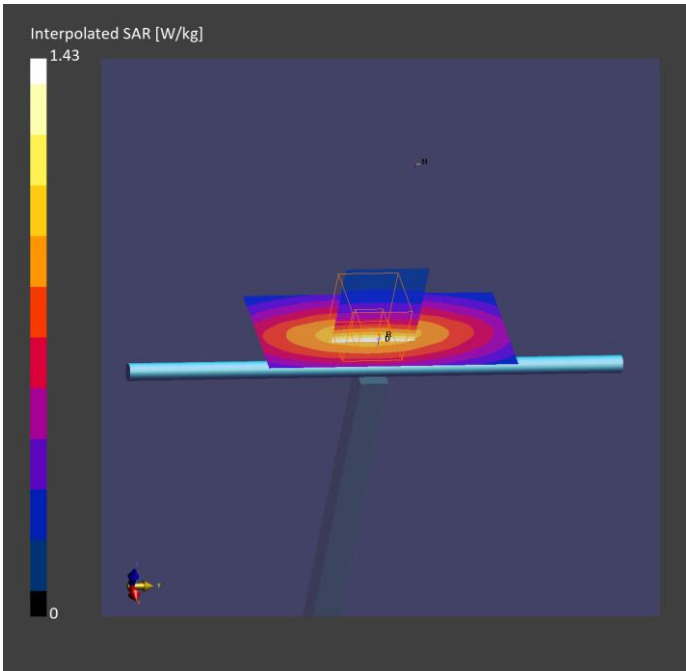
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-16, 10:28	2023-10-16, 10:33
psSAR1g [W/kg]	0.926	0.918
psSAR10g [W/kg]	0.620	0.602
Power Drift [dB]	0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		86.6
Dist 3dB Peak [mm]		> 15.0

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Validation results in 750 MHz Band for Head TSL

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	n/a x n/a x n/a		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,		CW, 0--	750.0, 0	9.9	0.950	43.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 750MHz - 2023-10-18 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

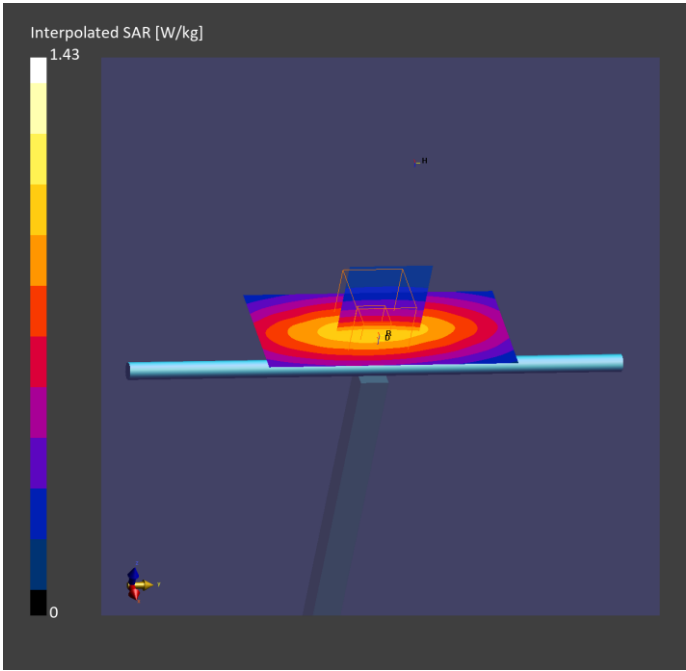
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-18, 10:30	2023-10-18, 10:35
psSAR1g [W/kg]	0.933	0.919
psSAR10g [W/kg]	0.623	0.603
Power Drift [dB]	-0.00	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		86.9
Dist 3dB Peak [mm]		19.7

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Validation results in 900 MHz Band for Head TSL

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	n/a x n/a x n/a		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,		CW, 0--	900.0, 0	9.47	0.990	40.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 900MHz - 2023-10-04 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

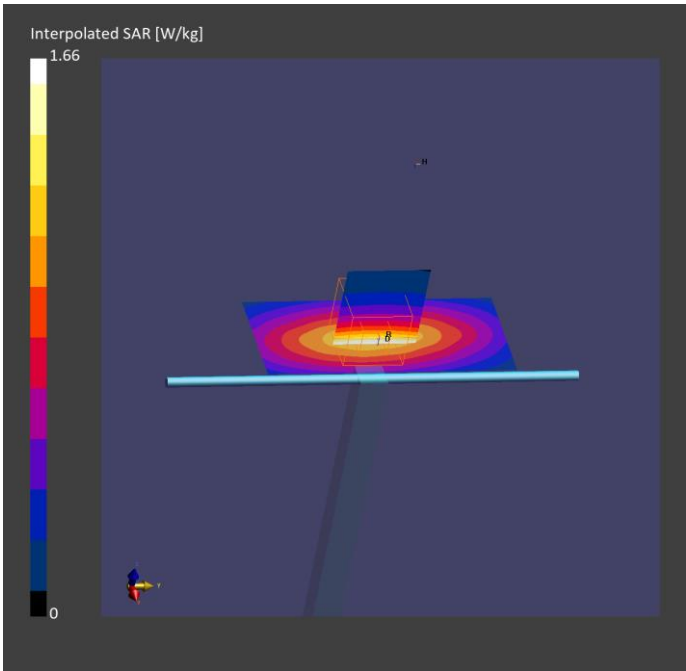
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-04, 16:21	2023-10-04, 16:28
psSAR1g [W/kg]	1.09	1.07
psSAR10g [W/kg]	0.707	0.694
Power Drift [dB]	0.00	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		86.8
Dist 3dB Peak [mm]		17.2

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Validation results in 900 MHz Band for Head TSL

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	n/a x n/a x n/a		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,		CW, 0--	900.0, 0	9.47	0.970	43.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 900MHz - 2023-10-09 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

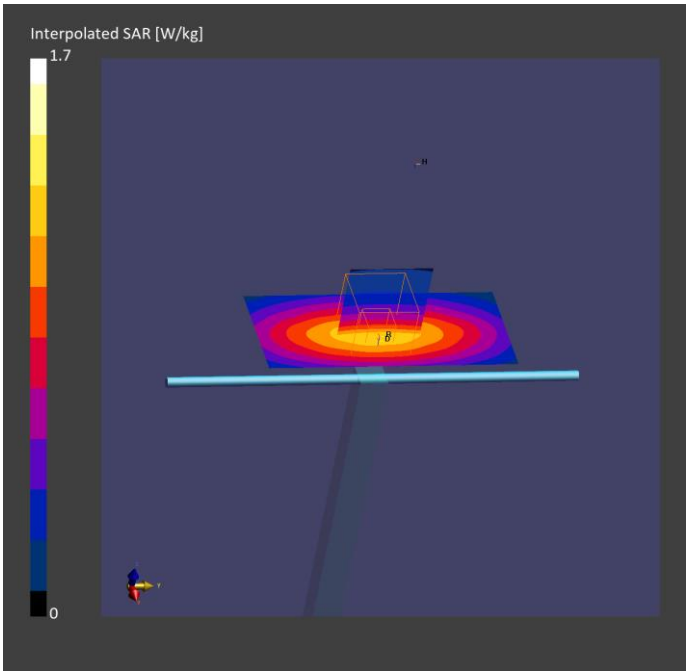
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-09, 11:14	2023-10-09, 11:19
psSAR1g [W/kg]	1.10	1.09
psSAR10g [W/kg]	0.717	0.696
Power Drift [dB]	-0.02	-0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		86.1
Dist 3dB Peak [mm]		16.4

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Validation results in 1800 MHz Band for Head TSL

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	n/a x n/a x n/a		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,		CW, 0--	1800.0, 0	8.3	1.41	41.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 1800MHz - 2023- 10-18 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

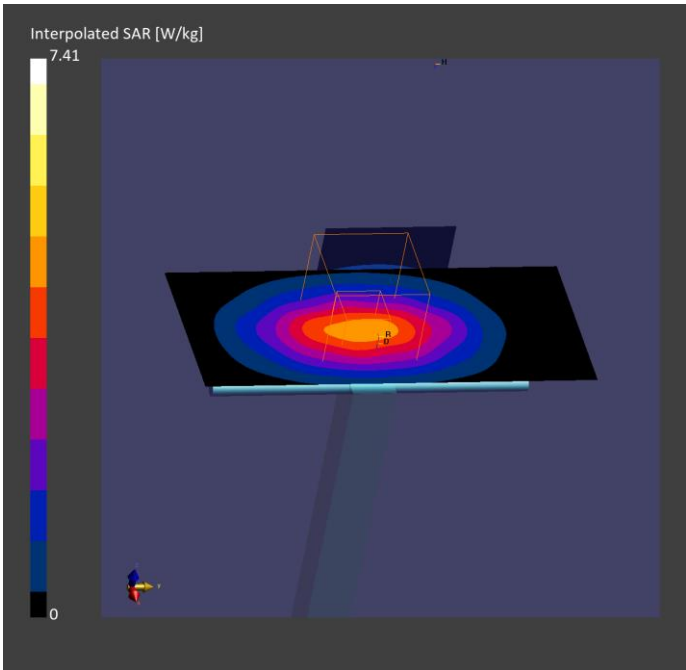
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-19, 11:08	2023-10-19, 11:13
psSAR1g [W/kg]	3.89	3.88
psSAR10g [W/kg]	2.06	2.03
Power Drift [dB]	0.00	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		81.1
Dist 3dB Peak [mm]		10.8

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Validation results in 1800 MHz Band for Head TSL

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	n/a x n/a x n/a		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,		CW, 0--	1800.0, 0	8.3	1.38	40.6

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 1800MHz - 2023-10-25 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

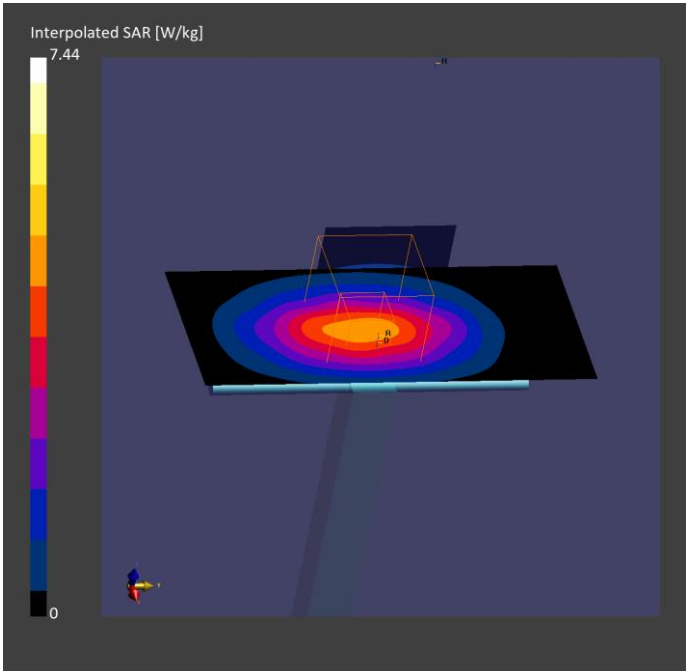
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-25, 15:49	2023-10-25, 15:54
psSAR1g [W/kg]	3.97	3.91
psSAR10g [W/kg]	2.11	2.04
Power Drift [dB]	-0.04	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		80.6
Dist 3dB Peak [mm]		10.3

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Validation results in 1800 MHz Band for Head TSL

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	n/a x n/a x n/a		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,		CW, 0--	1800.0, 0	8.3	1.45	40.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 1800MHz - 2023-10-30 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

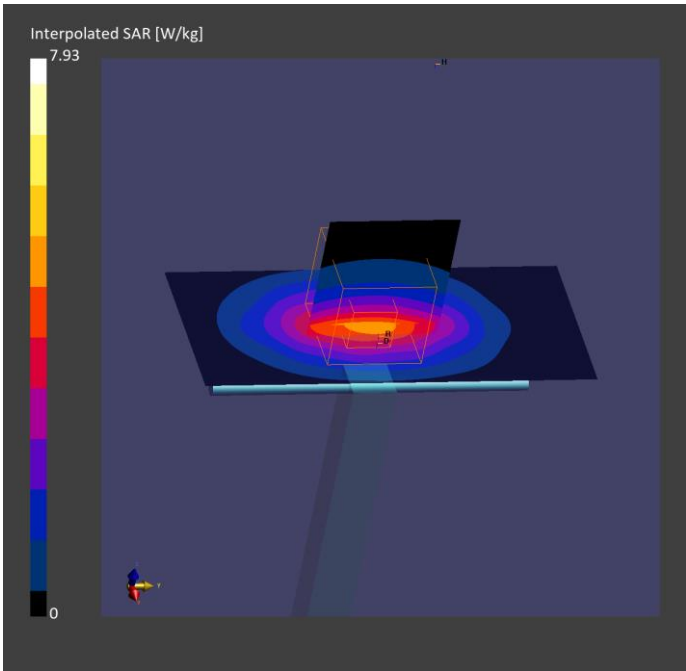
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-30, 15:57	2023-10-30, 16:02
psSAR1g [W/kg]	3.99	4.07
psSAR10g [W/kg]	2.11	2.13
Power Drift [dB]	0.07	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		80.4
Dist 3dB Peak [mm]		10.8

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Validation results in 1800 MHz Band for Head TSL

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	n/a x n/a x n/a		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,		CW, 0--	1800.0, 0	9.47	1.46	39.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 1800MHz - 2023- 11-02 , --	EX3DV4 - SN7766, 2023-10-17	DAE4 Sn1690, 2023-10-20

Scan Setup

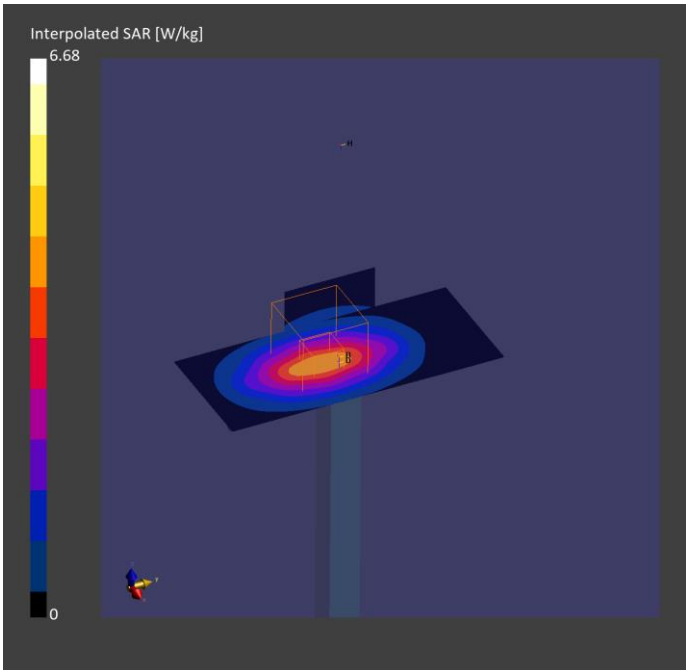
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-02, 17:18	2023-11-02, 17:26
psSAR1g [W/kg]	3.61	3.63
psSAR10g [W/kg]	1.91	1.92
Power Drift [dB]	-0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		82.9
Dist 3dB Peak [mm]		10.8

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		1g / 10g SAR deviation above 10%.
Error(s)		



Validation results in 2000 MHz Band for Head TSL

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	n/a x n/a x n/a		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,		CW, 0--	2000.0, 0	8.18	1.52	41.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 2000MHz - 2023-10-10 , --	EX3DV4 - SN7461, 2023-08-17	DAE4 Sn669, 2023-08-08

Scan Setup

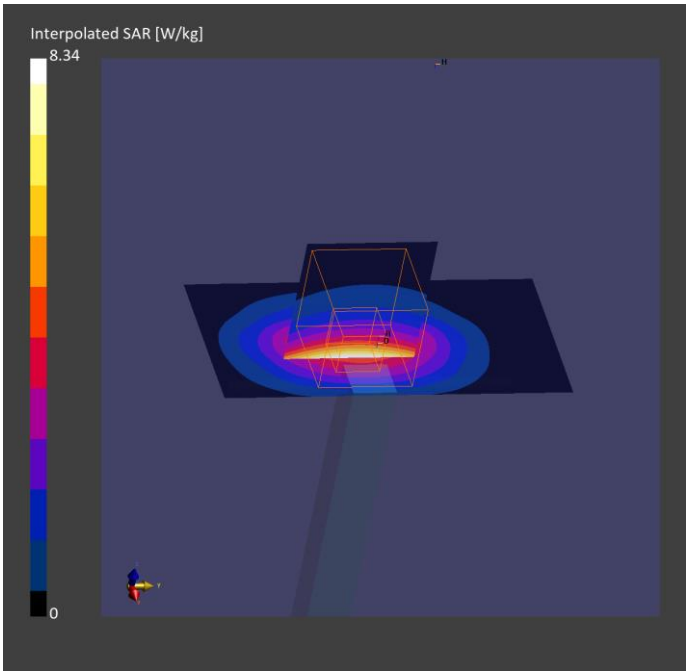
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-10, 21:38	2023-10-10, 21:49
psSAR1g [W/kg]	4.24	4.20
psSAR10g [W/kg]	2.20	2.14
Power Drift [dB]	-0.25	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		79.9
Dist 3dB Peak [mm]		9.0

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Validation results in 2000 MHz Band for Head TSL

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	n/a x n/a x n/a		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,		CW, 0--	2000.0, 0	9.26	1.52	41.2

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 2000MHz - 2023-10-30 , --	EX3DV4 - SN7766, 2023-10-17	DAE4 Sn1690, 2023-10-20

Scan Setup

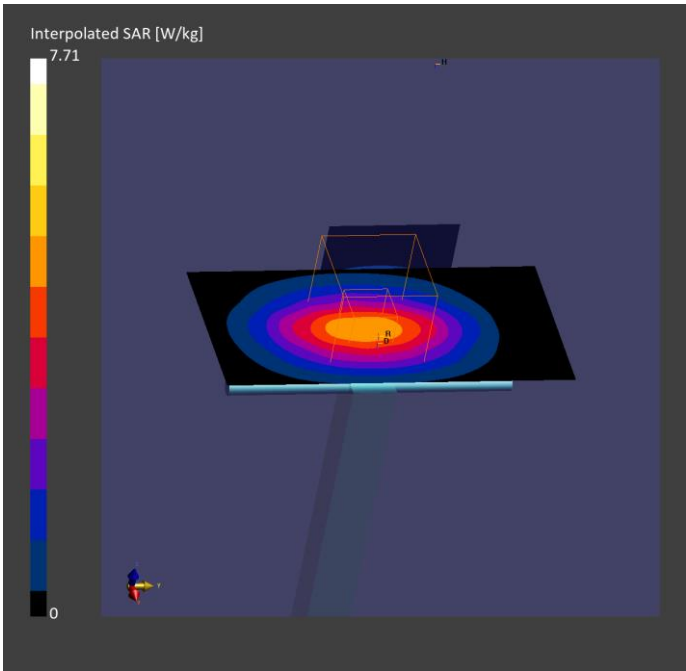
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-10-30, 17:25	2023-10-30, 17:32
psSAR1g [W/kg]	4.10	4.04
psSAR10g [W/kg]	2.10	2.06
Power Drift [dB]	-0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		82.2
Dist 3dB Peak [mm]		10.0

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Validation results in 2000 MHz Band for Head TSL

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device, Celestica	n/a x n/a x n/a		Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	,		CW, 0--	2000.0, 0	9.26	1.51	41.2

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2158	HBBL 600-10000V6 - 2000MHz - 2023-11-02 , --	EX3DV4 - SN7766, 2023-10-17	DAE4 Sn1690, 2023-10-20

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	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
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-02, 16:36	2023-11-02, 16:46
psSAR1g [W/kg]	3.85	3.89
psSAR10g [W/kg]	2.03	1.99
Power Drift [dB]	-0.19	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		81.9
Dist 3dB Peak [mm]		9.5

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		

