

FCC

SAR

TEST REPORT

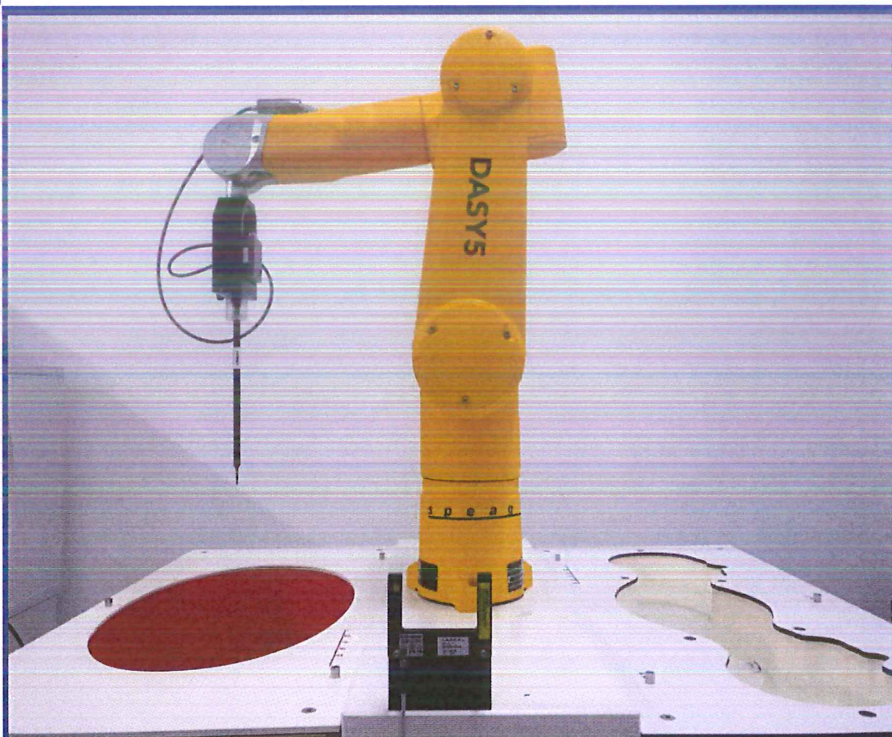
ISSUED BY
Shenzhen BALUN Technology Co., Ltd.



FOR
LTE module

ISSUED TO
Fibocom Wireless Inc.

5/F, Tower A, Technology Building II, 1057 Nanhai Blvd, Shenzhen,
518067 China



Tested by: Zong Liyao
Zong Liyao

Date: Nov. 06, 2020

Approved by: Wei Yanquan
Wei Yanquan
(Chief Engineer)

Date: Nov. 06, 2020

Report No.: BL-SZ2090604-701

EUT Name: LTE module

Model Name: L850-GL

Brand Name: Fibocom

FCC ID: ZMOL850GL

Test Standard: FCC 47 CFR Part 2.1093
ANSI C95.1: 1999, IEEE 1528: 2013

Maximum SAR: Body (1 g): 0.725 W/kg

Test Conclusion: Pass

Test Date: Sep. 25, 2020 ~ Oct. 14, 2020

Date of Issue: Nov. 06, 2020

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Revision History

<u>Version</u>	<u>Issue Date</u>	<u>Revisions Content</u>
<u>Rev. 01</u>	<u>Nov. 06, 2020</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Identification of the Testing Laboratory

Company Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100
Fax Number	+86 755 6182 4271

1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A-1. The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory is a testing organization accredited by American Association for Laboratory Accreditation (A2LA) according to ISO/IEC 17025. The accreditation certificate is 4344.01. The laboratory is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L6791.
Description	All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055

1.3 Test Environment Condition

Ambient Temperature	21°C to 23°C
Ambient Relative Humidity	37% to 48%
Ambient Pressure	100 KPa to 102 KPa

1.4 Announce

- (1) The test report reference to the report template version v2.2.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.
- (6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (7) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Fibocom Wireless Inc.
Address	5/F, Tower A, Technology Building II, 1057 Nanhai Blvd, Shenzhen, 518067 China

2.2 Manufacturer Information

Manufacturer	Fibocom Wireless Inc.
Address	5/F, Tower A, Technology Building II, 1057 Nanhai Blvd, Shenzhen, 518067 China

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	LTE module
Model Name Under Test	L850-GL
Series Model Name	N/A
Description of Model Name Differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4.1 Host information

Product Description	Tablet PC
Model Name	IdeaPad Duet 3 10IGL5-LTE
Brand Name	Lenovo

The information of WLAN and WWAN module collocated in this EUT is below

Item	Brand Name	Module name	Specification
WLAN module	Intel	9560D2W R	802.11 a/b/g/n/ac WLAN+ Bluetooth

2.5 Ancillary Equipment

Item	Manufacturer	Model Description	Specification
Battery	Simplo	L19M2PD7	DC7.68V, 30Wh
	Celxpert	L19C2PD7	DC7.68V, 30Wh

Antenna type	Manufacture	Port	Part No.
PIFA	Novocomms (Suzhou) Limited	Main	NA00091
		Aux	NA00092

2.6 Technical Information

Network and Wireless connectivity	3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/13/17/26/30/66 LTE TDD Band 41 Bluetooth 4.0 (BR+EDR+BLE) WIFI 802.11a, WIFI 802.11b, 802.11g, 802.11n and 802.11ac 5.8G SRD, GPS, GLONASS
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The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	GSM; WCDMA; LTE		
Frequency Range	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 26	TX: 814 ~ 849 MHz	RX: 859 ~ 894 MHz
	LTE Band 30	TX: 2305 ~ 2315 MHz	RX: 2350 ~ 2360 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2200 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
Antenna Type	WWAN: PIFA Antenna		
Hotspot Function	N/A		
Power Reduction	Support		
Exposure Category	General Population/Uncontrolled exposure		
EUT Stage	Portable Device		
Product	Type		
	☒ Production unit	☐ Identical prototype	

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	ANSI/IEEE Std. C95.1-1999	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	FCC KDB 447498 D01 v06	Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies
5	FCC KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
6	FCC KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
7	FCC KDB 941225 D06 v02r01	SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities
8	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
9	FCC KDB 865664 D02 v01r02	RF Exposure Reporting
10	FCC KDB 648474 D04 v01r03	SAR Evaluation Considerations for Wireless Handsets
11	KDB 248227 D01 v02r02	SAR Guidance for IEEE 802.11 (Wi-Fi) Transmitters

3.2 Device Category and SAR Limit

This device belongs to portable device category because its radiating structure is allowed to be used within 20 centimeters of the body of the user.

Limit for General Population/Uncontrolled exposure should be applied for this device, it is 1.6 W/kg as averaged over any 1 gram of tissue.

Table of Exposure Limits:

Body Position	SAR Value (W/Kg)	
	General Population/ Uncontrolled Exposure	Occupational/ Controlled Exposure
Whole-Body SAR (averaged over the entire body)	0.08	0.4
Partial-Body SAR (averaged over any 1 gram of tissue)	1.60	8.0
SAR for hands, wrists, feet and ankles (averaged over any 10 grams of tissue)	4.0	20.0

NOTE:

General Population/Uncontrolled Exposure: Locations where there is the exposure of individuals who have no knowledge or control of their exposure. General population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

Occupational/Controlled Exposure: Locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

3.3 Test Result Summary

3.3.1 Highest SAR (1 g Value)

Frequency Band		Maximum SAR (W/kg) 1 g	
		Body	
		Proximity Sensory On	Proximity Sensory Off
WCDMA	Band 2	0.662	0.660
	Band 4	0.588	0.580
	Band 5	0.682	0.489
LTE	Band 2	0.674	0.642
	Band 4	0.604	0.544
	Band 5	0.629	0.317
	Band 7	0.600	0.562
	Band 12	0.499	0.372
	Band 13	0.523	0.245
	Band 26	0.629	0.333
	Band 30	0.725	0.593
	Band 41	0.428	0.428
	Band 66	0.664	0.551
Limits (W/kg)		1.6	
Test Verdict		Pass	
Note1: Power reduction is not applicable for WLAN.			
Note2: The proximity sensor is only used for power reduction on 3G/4G antenna.			
Note3: This device supports both LTE Band 17 and Band 12. Since the supported frequency span for LTE Band 17 falls completely within the supports frequency span for LTE Band 12, both LTE bands have the same target power, and both LTE bands share the same transmission path; therefore, SAR was only assessed for LTE Band 12.			

3.4 Test Uncertainty

According to KDB 865664 D01, When the highest measured 1 g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis is not required in SAR reports submitted for equipment approval.

The maximum 1 g SAR for the EUT in this report is 0.725 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

$$\text{SAR} = \frac{d}{dt} \left(\frac{dW}{dm} \right) = \frac{d}{dt} \left(\frac{dW}{\rho dv} \right)$$

SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

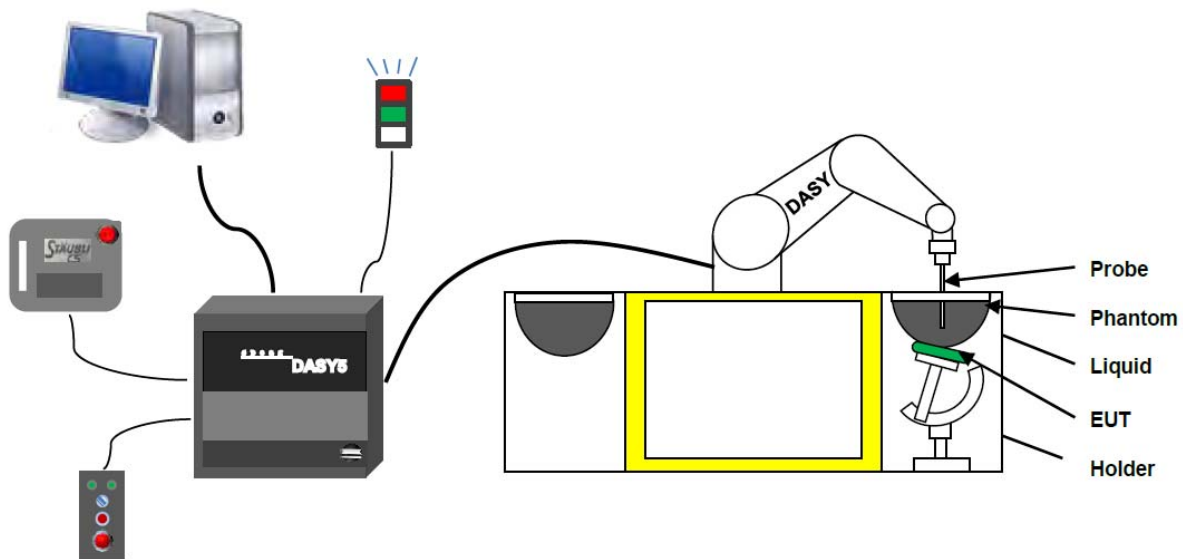
$$\text{SAR} = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,

ρ is the mass density of the tissue and E is the RMS electrical field strength.

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



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

1. A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition electronic (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.
4. A unit to operate the optical surface detector which is connected to the EOC.
5. The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY5 measurement server.
6. The DASY5 measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY5 software and SEMCAD data evaluation software.
8. Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.
9. The generic twin phantom enabling the testing of left-hand and right-hand usage.
10. The device holder for handheld mobile phones.
11. Tissue simulating liquid mixed according to the given recipes.
12. System validation dipoles allowing to validate the proper functioning of the system.

4.2.2 Robot

The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many features that are important for our application:



- High precision
(repeatability ± 0.02 mm)
- High reliability
(industrial design)
- Low maintenance costs
(virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements
(brush less synchron motors; no stepper motors)
- Low ELF interference
(motor control _elds shielded via the closed metallic construction shields)

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN: 3578 with following specifications is used.

Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz; Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.2 dB in HSL (rotation around probe axis) ; ± 0.4 dB in HSL (rotation normal to probe axis)
Dynamic range	5 μ W/g to > 100 mW/g; Linearity: ± 0.2 dB
Dimensions	Overall length: 337 mm (Tip: 9 mm) Tip diameter: 2.5 mm (Body: 10 mm) Distance from probe tip to dipole centers: 1.0 mm
Application	General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms (EX3DV4)

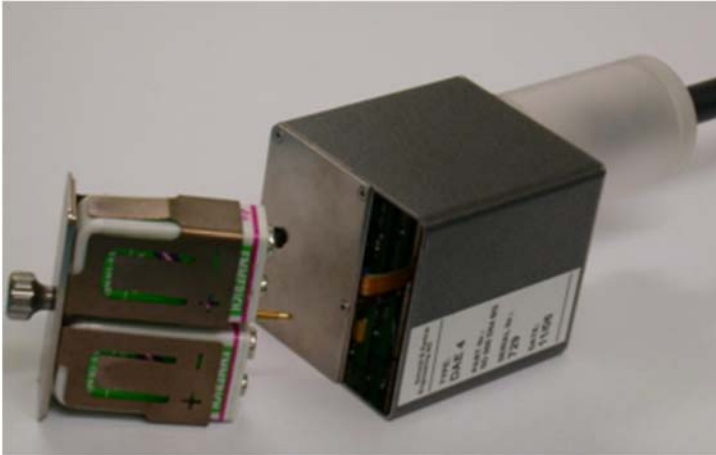


E-Field Probe Calibration Process

Probe calibration is realized, in compliance with CENELEC EN 62209-1/-2 and IEEE 1528 std, with CALISAR, Antennessa proprietary calibration system. The calibration is performed with the EN 62209-1/2 annexe technique using reference guide at the five frequencies.

4.2.4 Data Acquisition Electronics

The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock.



- Input Impedance: 200M Ω m
- The Inputs: Symmetrical and Floating
- Commom Mode Rejection: Above 80dB

4.2.5 Phantoms

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. It enables the dosimetric evaluation of left and right phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.



- Left hand
- Right hand
- Flat phantom

Photo of Phantom SN1857



Serial Number	Material	Length	Height
SN 1857 SAM	Vinylester, glass fiber reinforced	1000	500

Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI4 is fully compatible with the latest draft of the standard IEC 62209 Part II and all known tissue simulating liquids. ELI4 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.



• Flat phantom

Photo of Phantom SN1012



Serial Number	Shell Thickness (mm)	Major ellipse axis (mm)	Minor axis (mm)
SN 1012 ELI4	2.0 ± 0.2	600	500

4.2.6 Device Holder

The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. This device holder is used for standard mobile phones or PDA's only. If necessary an additional support of polystyrene material is used. Larger DUT's (e.g. notebooks) cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values. Therefore those devices are normally only tested at the flat part of the SAM.



The positioning system allows obtaining cheek and tilting position with a very good accuracy. Incompliance with CENELEC, the tilt angle uncertainty is lower than 1° .

4.2.7 Simulating Liquid

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5%.



The following table gives the recipes for tissue simulating liquid and the theoretical Conductivity/Permittivity.

Head (Reference IEEE1528)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ϵ
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
900	40.3	57.9	0.2	1.4	0.2	0	0.97	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5	1.4	40.0
2450	55.0	0	0	0.1	0	44.9	1.80	39.2
2600	54.9	0	0	0.1	0	45.0	1.96	39.0
Frequency (MHz)	Water (%)	Hexyl Carbitol (%)			Triton X-100 (%)		Conductivity σ (S/m)	Permittivity ϵ
5200	62.52	17.24			17.24		4.66	36.0
5800	62.52	17.24			17.24		5.27	35.3
Body (From instrument manufacturer)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ϵ
750	51.7	47.2	0	0.9	0.1	0	0.96	55.5
835	50.8	48.2	0	0.9	0.1	0	0.97	55.2
900	50.8	48.2	0	0.9	0.1	0	1.05	55.0
1800, 1900, 2000	70.2	0	0	0.4	0	29.4	1.52	53.3
2450	68.6	0	0	0.1	0	31.3	1.95	52.7
2600	68.2	0	0	0.1	0	31.7	2.16	52.5
Frequency(MHz)	Water	DGBE (%)			Salt (%)		Conductivity σ (S/m)	Permittivity ϵ
5200	78.60	21.40			/		5.54	47.86
5800	78.50	21.40			0.1		6.0	48.20

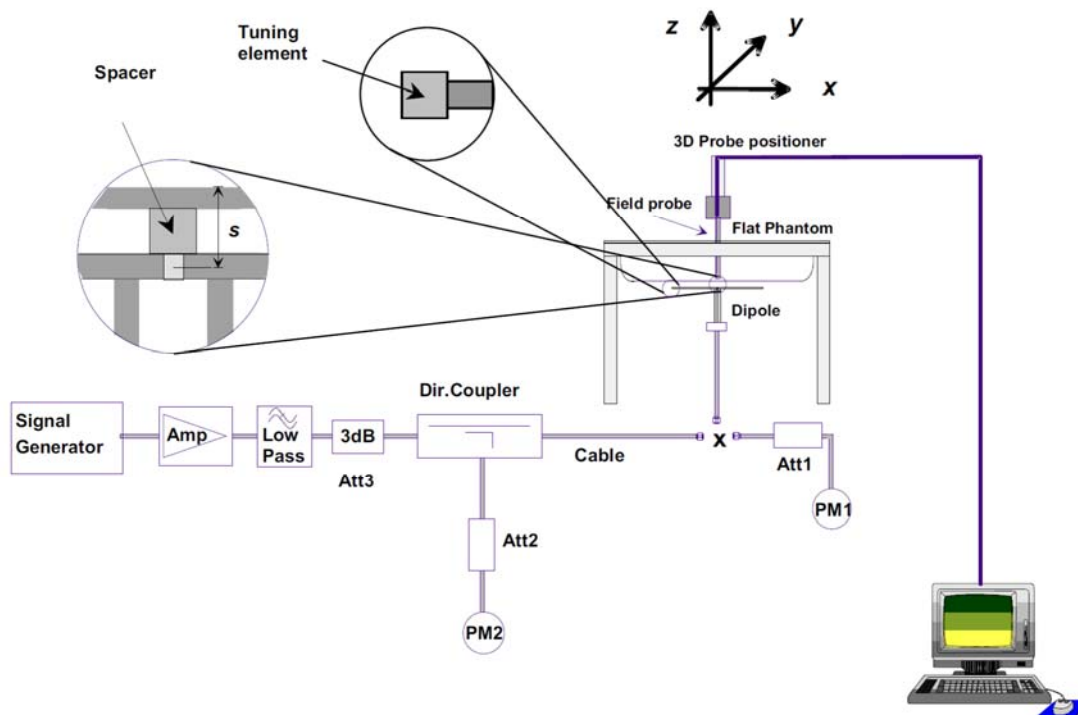
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

The system performance check verifies that the system operates within its specifications. System and operator errors can be detected and corrected. It is recommended that the system performance check be performed prior to any usage of the system in order to guarantee reproducible results. The system performance check uses normal SAR measurements in a simplified setup with a well characterized source. This setup was selected to give a high sensitivity to all parameters that might fail or vary over time. The system check does not intend to replace the calibration of the components, but indicates situations where the system uncertainty is exceeded due to drift or failure.

5.2 System Check Setup

In the simplified setup for system evaluation, the EUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave that comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The equipment setup is shown below:



6 TEST POSITION CONFIGURATIONS

6.1 Tablet Exposure Condition

This DUT was tested in four different positions. They are back side, left edge, right edge and top edge in these positions.

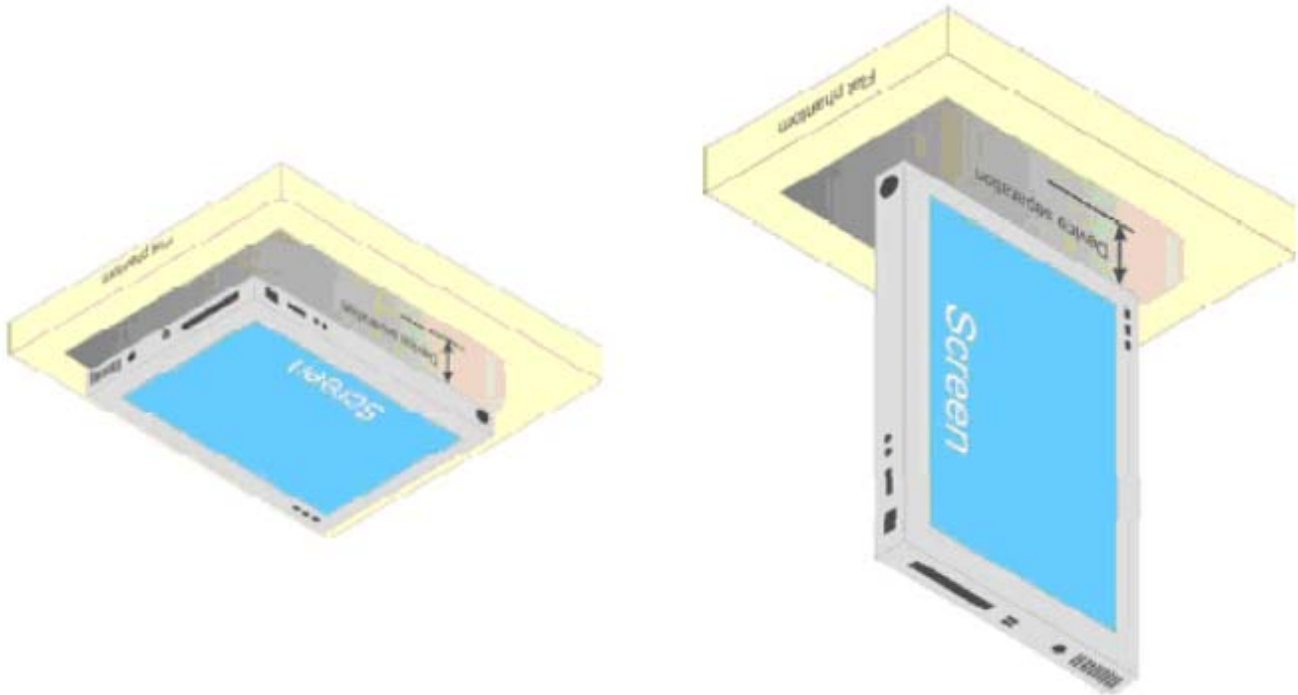
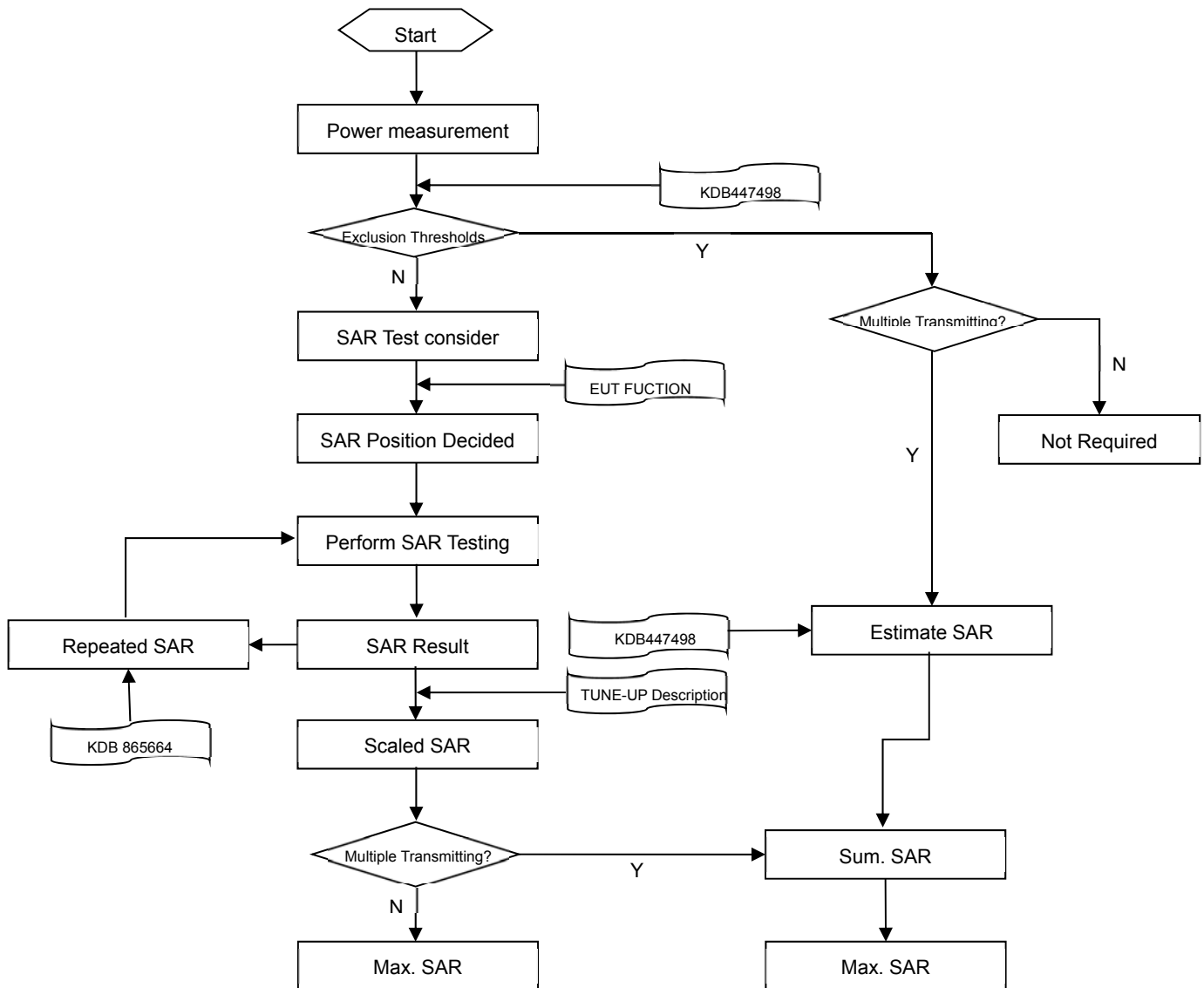


Fig Illustration for Lap-touching Position

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1 g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2013.

			≤3GHz	>3GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5±1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30°±1°	20°±1°
Maximum area scan spatial resolution: Δx Area , Δy Area			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3–4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3–4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: Δz Zoom (n)		≤ 5 mm	3–4 GHz: ≤ 4 mm
				4–5 GHz: ≤ 3 mm
				5–6 GHz: ≤ 2 mm
	graded grid	Δz Zoom (1): between 1st two points closest to phantom surface	≤ 4 mm	3–4 GHz: ≤ 3 mm
				4–5 GHz: ≤ 2.5 mm
				5–6 GHz: ≤ 2 mm
	Δz Zoom (n>1): between subsequent points		$\leq 1.5 \cdot \Delta z$ Zoom (n-1)	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3–4 GHz: ≥ 28 mm
				4–5 GHz: ≥ 25 mm
				5–6 GHz: ≥ 22 mm

Note:

- δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.
- * When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

7.3 Measurement Procedure

The following steps are used for each test position

- a. Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- c. Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
- d. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

7.4 Area & Zoom Scan Procedure

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r04 quoted below.

When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

8 CONDUCTED RF OUTPUT POWER

8.1 WCDMA (Proximity Sensory On)

WCDMA	Band 2				Band 4			
Channel	9262	9400	9538	Tune-up Limit (dBm)	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	11.27	11.30	11.65	12.00	11.37	11.42	11.36	12.00
HSDPA Subtest-1	11.46	11.32	11.87	12.00	11.62	11.72	11.69	12.00
HSDPA Subtest-2	10.43	11.29	11.59	12.00	10.59	11.48	11.39	12.00
HSDPA Subtest-3	9.91	11.07	11.31	11.50	10.11	11.28	11.18	12.00
HSDPA Subtest-4	9.64	10.87	11.08	11.50	9.87	11.00	10.98	11.50
HSUPA Subtest-1	10.24	10.23	10.65	11.00	10.32	10.50	10.38	11.50
HSUPA Subtest-2	7.92	8.09	8.43	9.00	8.09	8.28	8.04	9.00
HSUPA Subtest-3	8.87	8.87	9.20	10.00	8.84	9.00	8.91	10.00
HSUPA Subtest-4	8.26	8.32	8.68	9.00	8.35	8.49	8.48	9.00
HSUPA Subtest-5	10.21	10.28	10.66	11.00	10.31	10.49	10.37	11.00
WCDMA	Band 5				--			
Channel	4132	4182	4233	Tune-up Limit (dBm)	--	--	--	--
RMC 12.2Kbps	16.61	16.61	16.43	17.00	--	--	--	--
HSDPA Subtest-1	16.79	16.88	16.81	17.00	--	--	--	--
HSDPA Subtest-2	16.75	16.82	16.74	17.00	--	--	--	--
HSDPA Subtest-3	16.76	16.84	16.76	17.00	--	--	--	--
HSDPA Subtest-4	16.77	16.83	16.76	17.00	--	--	--	--
HSUPA Subtest-1	16.74	16.78	16.76	17.00	--	--	--	--
HSUPA Subtest-2	16.76	16.84	16.66	17.00	--	--	--	--
HSUPA Subtest-3	16.78	16.81	16.68	17.00	--	--	--	--
HSUPA Subtest-4	16.82	16.85	16.74	17.00	--	--	--	--
HSUPA Subtest-5	16.85	16.89	16.79	17.00	--	--	--	--

8.2 WCDMA (Proximity Sensory Off)

WCDMA	Band 2				Band 4			
Channel	9262	9400	9538	Tune-up Limit (dBm)	1312	1412	1513	Tune-up Limit (dBm)
RMC 12.2Kbps	23.48	23.52	23.86	24.00	23.53	23.67	23.71	24.00
HSDPA Subtest-1	23.44	23.34	23.83	24.00	23.78	23.81	23.90	24.00
HSDPA Subtest-2	22.43	23.26	23.55	24.00	22.81	23.59	23.75	24.00
HSDPA Subtest-3	21.98	23.08	23.25	23.50	22.33	23.38	23.47	24.00
HSDPA Subtest-4	21.71	22.84	23.12	23.50	22.10	23.12	23.22	23.50
HSUPA Subtest-1	22.48	22.69	22.92	23.00	22.70	22.77	22.85	23.50
HSUPA Subtest-2	20.27	20.42	20.68	21.00	20.49	20.55	20.60	21.00
HSUPA Subtest-3	20.98	21.20	21.43	22.00	21.19	21.36	21.33	22.00
HSUPA Subtest-4	20.54	20.69	20.97	21.00	20.72	20.85	20.87	21.00
HSUPA Subtest-5	22.54	22.66	22.97	23.00	22.67	22.80	22.82	23.00
WCDMA	Band 5				--			
Channel	4132	4182	4233	Tune-up Limit (dBm)	--	--	--	--
RMC 12.2Kbps	23.74	23.77	23.59	24.00	--	--	--	--
HSDPA Subtest-1	23.84	23.92	23.82	24.00	--	--	--	--
HSDPA Subtest-2	22.88	23.91	23.69	24.00	--	--	--	--
HSDPA Subtest-3	22.43	23.90	23.45	24.00	--	--	--	--
HSDPA Subtest-4	22.18	23.75	23.17	24.00	--	--	--	--
HSUPA Subtest-1	22.92	23.46	22.83	24.00	--	--	--	--
HSUPA Subtest-2	20.72	21.28	20.55	22.00	--	--	--	--
HSUPA Subtest-3	21.46	22.07	21.25	23.00	--	--	--	--
HSUPA Subtest-4	21.02	21.54	20.82	22.00	--	--	--	--
HSUPA Subtest-5	22.94	23.48	22.77	24.00	--	--	--	--

8.3 LTE (Proximity Sensory On)

FDD LTE Band 2									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18700	18900	19100		18700	18900	19100	
20 MHz	1 (RB_Pos:0)	11.81	11.77	11.94	12.50	11.48	11.03	11.19	12.00
	1 (RB_Pos:50)	11.65	11.79	11.97	12.50	11.34	11.07	11.16	12.00
	1 (RB_Pos:99)	11.69	11.99	12.33	12.50	11.29	11.30	11.53	12.00
	50 (RB_Pos:0)	10.84	10.74	11.04	12.00	9.88	9.77	10.06	11.00
	50 (RB_Pos:25)	10.81	10.75	11.13	12.00	9.84	9.77	10.17	11.00
	50 (RB_Pos:50)	10.69	10.86	11.22	12.00	9.73	9.86	10.29	11.00
	100 (RB_Pos:0)	10.97	10.90	11.41	12.00	9.85	9.87	10.30	11.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18675	18900	19125		18675	18900	19125	
15 MHz	1 (RB_Pos:0)	11.78	11.66	11.90	12.50	11.60	11.14	11.23	12.00
	1 (RB_Pos:38)	11.56	11.90	11.93	12.50	11.40	11.09	11.18	12.00
	1 (RB_Pos:74)	11.74	12.12	12.32	12.50	11.18	11.30	11.51	12.00
	36 (RB_Pos:0)	10.85	10.66	11.19	12.00	9.91	9.90	9.92	11.00
	36 (RB_Pos:20)	10.86	10.79	11.06	12.00	9.72	9.90	10.04	11.00
	36 (RB_Pos:39)	10.81	10.93	11.14	12.00	9.73	9.81	10.14	11.00
	75 (RB_Pos:0)	10.95	11.03	11.40	12.00	9.76	9.88	10.30	11.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18650	18900	19150		18650	18900	19150	
10 MHz	1 (RB_Pos:0)	11.95	11.88	12.02	12.50	11.47	10.89	11.21	12.00
	1 (RB_Pos:25)	11.76	11.85	11.94	12.50	11.22	11.02	11.01	12.00
	1 (RB_Pos:49)	11.68	11.89	12.40	12.50	11.44	11.22	11.45	12.00
	25 (RB_Pos:0)	10.89	10.86	10.96	12.00	9.81	9.81	10.00	11.00
	25 (RB_Pos:12)	10.88	10.70	11.22	12.00	9.81	9.68	10.28	11.00
	25 (RB_Pos:25)	10.64	10.81	11.14	12.00	9.67	9.76	10.29	11.00
	50 (RB_Pos:0)	10.94	11.04	11.49	12.00	9.91	9.81	10.31	11.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18625	18900	19175		18625	18900	19175	
5 MHz	1 (RB_Pos:0)	11.84	11.70	11.80	12.50	11.48	11.17	11.07	12.00
	1 (RB_Pos:13)	11.79	11.78	11.84	12.50	11.35	11.12	11.14	12.00
	1 (RB_Pos:24)	11.66	11.96	12.33	12.50	11.42	11.40	11.47	12.00
	12 (RB_Pos:0)	10.86	10.86	11.07	12.00	9.93	9.81	9.97	11.00
	12 (RB_Pos:6)	10.67	10.84	11.25	12.00	9.81	9.70	10.19	11.00
	12 (RB_Pos:13)	10.79	10.94	11.30	12.00	9.60	9.71	10.26	11.00

	25 (RB_Pos:0)	10.90	10.87	11.32	12.00	9.97	9.77	10.32	11.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18615	18900	19185		18615	18900	19185	
3.0 MHz	1 (RB_Pos:0)	11.80	11.86	11.81	12.50	11.43	11.16	11.11	12.00
	1 (RB_Pos:8)	11.71	11.72	12.04	12.50	11.38	10.99	11.22	12.00
	1 (RB_Pos:14)	11.66	11.85	12.21	12.50	11.24	11.22	11.46	12.00
	8 (RB_Pos:0)	10.92	10.86	11.19	12.00	9.87	9.71	10.17	11.00
	8 (RB_Pos:3)	10.93	10.79	11.24	12.00	9.91	9.71	10.06	11.00
	8 (RB_Pos:7)	10.78	10.82	11.36	12.00	9.62	9.85	10.24	11.00
	15 (RB_Pos:0)	10.89	10.82	11.34	12.00	9.84	9.81	10.37	11.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18607	18900	19193		18607	18900	19193	
1.4 MHz	1 (RB_Pos:0)	11.85	11.91	12.02	12.50	11.55	11.15	11.13	12.00
	1 (RB_Pos:3)	11.68	11.77	12.02	12.50	11.41	10.93	11.18	12.00
	1 (RB_Pos:5)	11.56	12.05	12.48	12.50	11.14	11.38	11.43	12.00
	3 (RB_Pos:0)	11.68	11.85	11.94	12.50	11.41	10.97	11.32	12.00
	3 (RB_Pos:1)	11.69	11.66	11.84	12.50	11.26	11.01	11.28	12.00
	3 (RB_Pos:3)	11.79	11.94	12.45	12.50	11.30	11.19	11.42	12.00
	6 (RB_Pos:0)	11.09	10.77	11.44	12.00	9.87	9.97	10.39	11.00

FDD LTE Band 4									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20050	20175	20300		20050	20175	20300	
20 MHz	1 (RB_Pos:0)	11.99	11.91	12.11	12.50	11.43	11.32	11.38	12.00
	1 (RB_Pos:50)	12.08	11.83	12.02	12.50	11.52	11.23	11.32	12.00
	1 (RB_Pos:99)	12.11	11.83	12.23	12.50	11.58	11.24	11.55	12.00
	50 (RB_Pos:0)	10.93	10.96	10.93	12.00	10.10	9.96	9.95	11.00
	50 (RB_Pos:25)	10.97	10.89	10.96	12.00	10.10	9.96	10.00	11.00
	50 (RB_Pos:50)	10.98	10.89	11.02	12.00	10.13	9.98	10.06	11.00
	100 (RB_Pos:0)	11.13	10.99	11.12	12.00	10.13	10.02	10.16	11.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20025	20175	20325		20025	20175	20325	
15 MHz	1 (RB_Pos:0)	12.10	11.82	12.02	12.50	11.33	11.36	11.34	12.00
	1 (RB_Pos:38)	11.96	11.90	11.93	12.50	11.47	11.18	11.17	12.00
	1 (RB_Pos:74)	12.15	11.73	12.25	12.50	11.66	11.16	11.57	12.00
	36 (RB_Pos:0)	10.81	10.84	11.07	12.00	10.20	10.03	9.90	11.00
	36 (RB_Pos:20)	11.12	10.85	10.93	12.00	10.18	9.89	10.02	11.00

	36 (RB_Pos:39)	10.99	10.77	11.07	12.00	10.05	10.07	10.04	11.00
	75 (RB_Pos:0)	11.09	11.06	11.24	12.00	10.14	9.92	10.01	11.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20000	20175	20350		20000	20175	20350	
10 MHz	1 (RB_Pos:0)	11.90	11.88	12.23	12.50	11.43	11.32	11.47	12.00
	1 (RB_Pos:25)	11.93	11.96	12.12	12.50	11.39	11.22	11.20	12.00
	1 (RB_Pos:49)	12.02	11.92	12.35	12.50	11.51	11.35	11.50	12.00
	25 (RB_Pos:0)	10.78	10.81	10.97	12.00	9.95	10.08	9.91	11.00
	25 (RB_Pos:12)	11.01	10.83	10.82	12.00	10.02	10.03	9.99	11.00
	25 (RB_Pos:25)	10.93	10.91	11.09	12.00	9.99	10.11	10.16	11.00
	50 (RB_Pos:0)	11.08	10.94	11.11	12.00	10.09	10.00	10.10	11.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19975	20175	20375		19975	20175	20375	
5 MHz	1 (RB_Pos:0)	11.88	11.91	12.11	12.50	11.35	11.35	11.42	12.00
	1 (RB_Pos:13)	12.05	11.77	11.95	12.50	11.64	11.34	11.46	12.00
	1 (RB_Pos:24)	12.09	11.97	12.26	12.50	11.63	11.33	11.50	12.00
	12 (RB_Pos:0)	10.86	11.01	11.00	12.00	10.03	9.88	9.94	11.00
	12 (RB_Pos:6)	10.92	10.86	10.98	12.00	9.95	9.96	10.05	11.00
	12 (RB_Pos:13)	10.96	10.75	11.08	12.00	10.17	9.98	10.07	11.00
	25 (RB_Pos:0)	10.99	10.95	11.15	12.00	9.99	10.06	10.16	11.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19965	20175	20385		19965	20175	20385	
3.0 MHz	1 (RB_Pos:0)	11.96	11.83	12.17	12.50	11.42	11.34	11.25	12.00
	1 (RB_Pos:8)	12.11	11.78	11.89	12.50	11.43	11.36	11.41	12.00
	1 (RB_Pos:14)	12.07	11.82	12.37	12.50	11.63	11.19	11.43	12.00
	8 (RB_Pos:0)	11.05	10.86	10.98	12.00	10.17	10.02	10.02	11.00
	8 (RB_Pos:3)	10.89	10.90	10.99	12.00	10.10	10.09	10.08	11.00
	8 (RB_Pos:7)	10.89	10.92	11.15	12.00	10.07	9.98	10.06	11.00
	15 (RB_Pos:0)	11.17	11.06	11.17	12.00	10.00	10.04	10.23	11.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19957	20175	20393		19957	20175	20393	
1.4 MHz	1 (RB_Pos:0)	12.00	11.96	12.12	12.50	11.45	11.36	11.51	12.00
	1 (RB_Pos:3)	12.10	11.75	12.16	12.50	11.38	11.13	11.31	12.00
	1 (RB_Pos:5)	12.08	11.85	12.32	12.50	11.54	11.27	11.45	12.00
	3 (RB_Pos:0)	12.00	11.94	12.17	12.50	11.28	11.44	11.47	12.00
	3 (RB_Pos:1)	12.12	11.84	11.96	12.50	11.50	11.17	11.38	12.00
	3 (RB_Pos:3)	11.97	11.91	12.15	12.50	11.56	11.31	11.67	12.00
	6 (RB_Pos:0)	11.10	11.04	11.20	12.00	10.22	9.88	10.23	11.00

FDD LTE Band 5									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20450	20525	20600		20450	20525	20600	
10 MHz	1 (RB_Pos:0)	16.05	15.70	16.01	16.50	15.45	15.03	15.18	16.00
	1 (RB_Pos:25)	15.73	16.00	15.85	16.50	15.13	15.42	14.99	16.00
	1 (RB_Pos:49)	15.73	16.11	15.89	16.50	15.13	15.46	14.95	16.00
	25 (RB_Pos:0)	14.91	14.74	14.95	15.50	13.97	13.83	14.14	15.00
	25 (RB_Pos:12)	14.81	14.90	14.91	15.50	13.85	13.95	13.96	15.00
	25 (RB_Pos:25)	14.73	15.01	14.86	15.50	13.79	14.05	13.81	15.00
	50 (RB_Pos:0)	14.83	14.93	14.94	15.50	13.86	13.94	14.01	15.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20425	20525	20625		20425	20525	20625	
5 MHz	1 (RB_Pos:0)	16.14	15.62	16.15	16.50	15.37	15.16	15.18	16.00
	1 (RB_Pos:13)	15.73	15.86	15.73	16.50	15.07	15.47	14.95	16.00
	1 (RB_Pos:24)	15.75	15.97	15.77	16.50	15.24	15.59	15.09	16.00
	12 (RB_Pos:0)	14.95	14.77	14.95	15.50	14.05	13.88	14.04	15.00
	12 (RB_Pos:6)	14.81	14.84	14.87	15.50	13.88	14.06	14.01	15.00
	12 (RB_Pos:13)	14.87	15.10	14.94	15.50	13.94	14.05	13.89	15.00
	25 (RB_Pos:0)	14.87	14.78	14.97	15.50	13.90	13.86	13.95	15.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20415	20525	20635		20415	20525	20635	
3.0 MHz	1 (RB_Pos:0)	16.00	15.66	16.04	16.50	15.39	15.01	15.24	16.00
	1 (RB_Pos:8)	15.63	15.90	15.97	16.50	15.02	15.38	14.85	16.00
	1 (RB_Pos:14)	15.59	16.20	16.03	16.50	15.24	15.52	14.86	16.00
	8 (RB_Pos:0)	14.84	14.61	14.87	15.50	13.83	13.73	14.00	15.00
	8 (RB_Pos:3)	14.72	15.04	15.04	15.50	13.78	14.05	13.91	15.00
	8 (RB_Pos:7)	14.58	15.06	15.00	15.50	13.69	14.17	13.78	15.00
	15 (RB_Pos:0)	14.86	14.92	14.94	15.50	13.79	14.05	14.01	15.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20407	20525	20643		20407	20525	20643	
1.4 MHz	1 (RB_Pos:0)	15.90	15.65	15.94	16.50	15.47	15.10	15.26	16.00
	1 (RB_Pos:3)	15.65	15.94	15.99	16.50	15.17	15.28	14.86	16.00
	1 (RB_Pos:5)	15.71	15.98	15.87	16.50	15.19	15.32	14.80	16.00
	3 (RB_Pos:0)	16.13	15.79	16.03	16.50	15.32	15.08	15.33	16.00
	3 (RB_Pos:1)	15.67	15.93	15.98	16.50	15.19	15.53	15.13	16.00
	3 (RB_Pos:3)	15.67	15.97	15.85	16.50	15.26	15.56	14.88	16.00

	6 (RB_Pos:0)	14.85	15.01	14.83	15.50	13.83	13.91	14.10	15.00
FDD LTE Band 7									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20850	21100	21350		20850	21100	21350	
20 MHz	1 (RB_Pos:0)	11.10	11.01	11.18	11.50	10.36	10.54	10.55	11.00
	1 (RB_Pos:50)	11.00	10.83	11.19	11.50	10.37	10.34	10.55	11.00
	1 (RB_Pos:99)	11.05	11.05	11.15	11.50	10.43	10.40	10.58	11.00
	50 (RB_Pos:0)	10.15	10.13	10.09	10.50	9.17	9.10	9.12	10.00
	50 (RB_Pos:25)	10.07	10.01	10.12	10.50	9.07	8.90	9.14	10.00
	50 (RB_Pos:50)	10.02	10.00	10.10	10.50	9.01	8.86	9.18	10.00
	100 (RB_Pos:0)	10.19	10.17	10.19	10.50	9.17	9.04	9.21	10.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20825	21100	21375		20825	21100	21375	
15 MHz	1 (RB_Pos:0)	11.25	11.06	11.03	11.50	10.35	10.63	10.65	11.00
	1 (RB_Pos:38)	10.89	10.96	11.17	11.50	10.28	10.48	10.44	11.00
	1 (RB_Pos:74)	11.00	11.17	11.06	11.50	10.34	10.34	10.47	11.00
	36 (RB_Pos:0)	10.23	10.01	10.02	10.50	9.20	9.08	8.99	10.00
	36 (RB_Pos:20)	10.06	10.14	10.22	10.50	9.11	8.86	9.27	10.00
	36 (RB_Pos:39)	9.91	10.01	9.98	10.50	8.87	8.95	9.25	10.00
	75 (RB_Pos:0)	10.09	10.29	10.25	10.50	9.09	9.08	9.21	10.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20800	21100	21400		20800	21100	21400	
10 MHz	1 (RB_Pos:0)	10.97	11.09	11.03	11.50	10.24	10.45	10.69	11.00
	1 (RB_Pos:25)	10.85	10.83	11.21	11.50	10.23	10.48	10.61	11.00
	1 (RB_Pos:49)	11.01	10.98	11.17	11.50	10.39	10.46	10.53	11.00
	25 (RB_Pos:0)	10.27	10.26	10.22	10.50	9.07	9.21	9.00	10.00
	25 (RB_Pos:12)	9.98	10.07	10.24	10.50	9.08	9.04	9.26	10.00
	25 (RB_Pos:25)	10.02	10.06	10.15	10.50	9.09	8.80	9.10	10.00
	50 (RB_Pos:0)	10.17	10.23	10.22	10.50	9.28	8.90	9.16	10.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20775	21100	21425		20775	21100	21425	
5 MHz	1 (RB_Pos:0)	11.04	11.04	11.22	11.50	10.51	10.55	10.65	11.00
	1 (RB_Pos:13)	10.87	10.92	11.06	11.50	10.47	10.40	10.47	11.00
	1 (RB_Pos:24)	10.98	11.17	11.21	11.50	10.46	10.34	10.48	11.00
	12 (RB_Pos:0)	10.30	10.07	10.16	10.50	9.27	8.98	9.02	10.00
	12 (RB_Pos:6)	10.06	9.95	10.20	10.50	9.17	8.79	9.27	10.00

	12 (RB_Pos:13)	10.02	9.85	10.16	10.50	9.06	8.83	9.23	10.00
	25 (RB_Pos:0)	10.33	10.06	10.18	10.50	9.04	9.07	9.35	10.00

FDD LTE Band 12									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	23060	23095	23130		23060	23095	23130	
10 MHz	1 (RB_Pos:0)	15.96	16.12	16.16	17.00	15.58	15.59	15.34	16.00
	1 (RB_Pos:25)	16.02	16.13	15.99	17.00	15.68	15.57	15.20	16.00
	1 (RB_Pos:49)	16.05	16.08	16.21	17.00	15.66	15.56	15.41	16.00
	25 (RB_Pos:0)	15.14	15.01	14.95	16.00	14.16	14.15	14.17	15.00
	25 (RB_Pos:12)	15.16	14.97	14.96	16.00	14.20	14.17	14.18	15.00
	25 (RB_Pos:25)	15.15	14.88	14.97	16.00	14.22	14.13	14.06	15.00
	50 (RB_Pos:0)	15.22	15.02	15.15	16.00	14.26	14.10	14.10	15.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	23035	23095	23155		23035	23095	23155	
5 MHz	1 (RB_Pos:0)	15.83	16.14	16.31	17.00	15.44	15.57	15.37	16.00
	1 (RB_Pos:13)	16.16	16.08	16.14	17.00	15.65	15.64	15.16	16.00
	1 (RB_Pos:24)	16.05	16.22	16.14	17.00	15.81	15.61	15.40	16.00
	12 (RB_Pos:0)	15.19	15.09	14.92	16.00	14.31	14.11	14.12	15.00
	12 (RB_Pos:6)	15.17	14.87	15.01	16.00	14.14	14.17	14.21	15.00
	12 (RB_Pos:13)	15.30	14.89	15.01	16.00	14.20	14.27	14.12	15.00
	25 (RB_Pos:0)	15.33	15.07	15.17	16.00	14.22	14.06	14.24	15.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	23025	23095	23165		23025	23095	23165	
3.0 MHz	1 (RB_Pos:0)	15.87	16.14	16.23	17.00	15.56	15.64	15.32	16.00
	1 (RB_Pos:8)	16.09	16.01	15.90	17.00	15.63	15.48	15.19	16.00
	1 (RB_Pos:14)	15.95	16.02	16.29	17.00	15.51	15.67	15.37	16.00
	8 (RB_Pos:0)	15.13	15.03	14.81	16.00	14.24	14.13	14.16	15.00
	8 (RB_Pos:3)	15.18	14.84	14.92	16.00	14.34	14.07	14.25	15.00
	8 (RB_Pos:7)	15.28	14.76	14.83	16.00	14.23	14.15	14.20	15.00
	15 (RB_Pos:0)	15.23	14.96	15.21	16.00	14.39	14.07	14.19	15.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	23017	23095	23173		23017	23095	23173	
1.4 MHz	1 (RB_Pos:0)	15.93	16.15	16.01	17.00	15.61	15.68	15.28	16.00
	1 (RB_Pos:3)	15.88	16.18	15.91	17.00	15.67	15.62	15.17	16.00
	1 (RB_Pos:5)	16.06	16.15	16.25	17.00	15.61	15.58	15.44	16.00
	3 (RB_Pos:0)	15.75	16.11	16.28	17.00	15.45	15.74	15.23	16.00

	3 (RB_Pos:1)	16.19	15.94	15.85	17.00	15.49	15.60	15.05	16.00
	3 (RB_Pos:3)	15.86	15.95	16.20	17.00	15.51	15.55	15.51	16.00
	6 (RB_Pos:0)	15.12	15.07	15.18	16.00	14.40	14.02	14.05	15.00

FDD LTE Band 13					
Bandwidth (MHz)	RB Set	Power (dBm)			
		QPSK	Tune up limit (dBm)	16QAM	Tune up limit (dBm)
	Channel	23230		23230	
10 MHz	1 (RB_Pos:0)	15.62	16.50	15.00	15.50
	1 (RB_Pos:25)	15.59	16.50	15.00	15.50
	1 (RB_Pos:49)	15.81	16.50	15.22	15.50
	25 (RB_Pos:0)	14.69	15.50	13.83	14.50
	25 (RB_Pos:12)	14.62	15.50	13.72	14.50
	25 (RB_Pos:25)	14.69	15.50	13.80	14.50
	50 (RB_Pos:0)	14.82	15.50	13.79	14.50
Bandwidth (MHz)	RB Set	Power (dBm)			
		QPSK	Tune up limit (dBm)	16QAM	Tune up limit (dBm)
	Channel	23230		23230	
5 MHz	1 (RB_Pos:0)	15.75	16.50	15.16	15.50
	1 (RB_Pos:13)	15.56	16.50	14.92	15.50
	1 (RB_Pos:24)	15.61	16.50	15.03	15.50
	12 (RB_Pos:0)	14.59	15.50	13.64	14.50
	12 (RB_Pos:6)	14.53	15.50	13.56	14.50
	12 (RB_Pos:13)	14.54	15.50	13.62	14.50
	25 (RB_Pos:0)	14.58	15.50	13.57	14.50

FDD LTE Band 26									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	26765	26865	26965		26765	26865	26965	
15 MHz	1 (RB_Pos:0)	15.81	15.88	15.74	16.50	15.21	15.33	14.75	16.00
	1 (RB_Pos:38)	15.97	15.48	15.85	16.50	15.39	14.87	14.88	16.00
	1 (RB_Pos:74)	15.62	15.95	15.77	16.50	15.05	15.43	14.80	16.00
	36 (RB_Pos:0)	15.01	14.65	14.84	15.50	14.17	13.74	13.92	15.00
	36 (RB_Pos:20)	15.00	14.47	14.73	15.50	14.11	13.63	13.84	15.00
	36 (RB_Pos:39)	14.84	14.68	14.72	15.50	13.93	13.78	13.79	15.00
	75 (RB_Pos:0)	15.08	14.67	14.91	15.50	14.16	13.70	13.93	15.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	26740	26865	26990		26740	26865	26990	
10 MHz	1 (RB_Pos:0)	15.79	15.95	15.64	16.50	15.22	15.39	14.78	16.00
	1 (RB_Pos:25)	16.07	15.50	15.85	16.50	15.26	14.75	14.96	16.00

	1 (RB_Pos:49)	15.56	15.90	15.76	16.50	14.97	15.39	14.92	16.00
	25 (RB_Pos:0)	15.13	14.76	14.72	15.50	14.25	13.68	13.78	15.00
	25 (RB_Pos:12)	14.86	14.36	14.75	15.50	14.25	13.72	13.84	15.00
	25 (RB_Pos:25)	14.89	14.60	14.69	15.50	13.97	13.77	13.85	15.00
	50 (RB_Pos:0)	14.96	14.68	15.03	15.50	14.19	13.61	14.00	15.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	26715	26865	27015		26715	26865	27015	
5 MHz	1 (RB_Pos:0)	15.76	15.94	15.63	16.50	15.11	15.42	14.62	16.00
	1 (RB_Pos:13)	16.11	15.33	15.96	16.50	15.24	14.84	14.87	16.00
	1 (RB_Pos:24)	15.66	15.93	15.84	16.50	14.92	15.41	14.74	16.00
	12 (RB_Pos:0)	15.11	14.69	14.92	15.50	14.20	13.71	13.88	15.00
	12 (RB_Pos:6)	14.87	14.62	14.64	15.50	14.18	13.66	13.70	15.00
	12 (RB_Pos:13)	14.69	14.59	14.70	15.50	13.89	13.63	13.72	15.00
	25 (RB_Pos:0)	15.14	14.58	15.03	15.50	14.11	13.63	13.90	15.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	26705	26865	27025		26705	26865	27025	
3.0 MHz	1 (RB_Pos:0)	15.70	15.83	15.87	16.50	15.06	15.20	14.74	16.00
	1 (RB_Pos:8)	15.86	15.62	15.75	16.50	15.47	14.89	14.98	16.00
	1 (RB_Pos:14)	15.69	16.07	15.62	16.50	15.07	15.53	14.69	16.00
	8 (RB_Pos:0)	14.86	14.76	14.98	15.50	14.27	13.64	13.92	15.00
	8 (RB_Pos:3)	14.97	14.33	14.81	15.50	14.25	13.53	13.83	15.00
	8 (RB_Pos:7)	14.95	14.68	14.65	15.50	13.98	13.68	13.92	15.00
	15 (RB_Pos:0)	14.99	14.59	14.97	15.50	14.11	13.69	13.96	15.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	26697	26865	27033		26697	26865	27033	
1.4 MHz	1 (RB_Pos:0)	15.83	15.91	15.62	16.50	15.12	15.44	14.81	16.00
	1 (RB_Pos:3)	15.84	15.53	15.96	16.50	15.52	14.88	14.76	16.00
	1 (RB_Pos:5)	15.70	15.88	15.80	16.50	15.09	15.37	14.65	16.00
	3 (RB_Pos:0)	15.61	15.72	15.75	16.50	15.06	15.15	14.61	16.00
	3 (RB_Pos:1)	15.93	15.60	15.72	16.50	15.53	14.79	14.94	16.00
	3 (RB_Pos:3)	15.70	16.19	15.75	16.50	14.98	15.50	14.65	16.00
	6 (RB_Pos:0)	15.12	14.60	15.05	15.50	14.12	13.73	13.87	15.00

FDD LTE Band 30					
Bandwidth (MHz)	RB Set	Power (dBm)			
		QPSK	Tune up limit (dBm)	16QAM	Tune up limit (dBm)
	Channel	27710		27710	
10 MHz	1 (RB_Pos:0)	10.62	11.50	9.67	10.50
	1 (RB_Pos:25)	10.64	11.50	9.78	10.50
	1 (RB_Pos:49)	10.71	11.50	9.83	10.50
	25 (RB_Pos:0)	9.65	10.50	8.72	9.50
	25 (RB_Pos:12)	9.76	10.50	8.82	9.50
	25 (RB_Pos:25)	9.79	10.50	8.86	9.50
	50 (RB_Pos:0)	9.87	10.50	8.89	9.50
Bandwidth (MHz)	RB Set	Power (dBm)			
		QPSK	Tune up limit (dBm)	16QAM	Tune up limit (dBm)
	Channel	27710		27710	
5 MHz	1 (RB_Pos:0)	10.64	11.50	9.75	10.50
	1 (RB_Pos:13)	10.73	11.50	9.85	10.50
	1 (RB_Pos:24)	10.81	11.50	9.95	10.50
	12 (RB_Pos:0)	9.61	10.50	8.56	9.50
	12 (RB_Pos:6)	9.70	10.50	8.72	9.50
	12 (RB_Pos:13)	9.75	10.50	8.78	9.50
	25 (RB_Pos:0)	9.73	10.50	8.81	9.50

FDD LTE Band 66									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	132072	132322	132572		132072	132322	132572	
20 MHz	1 (RB_Pos:0)	11.90	12.08	11.80	12.50	11.38	11.23	11.44	11.50
	1 (RB_Pos:50)	11.99	11.90	11.49	12.50	11.49	11.02	11.07	11.50
	1 (RB_Pos:99)	12.07	12.21	11.48	12.50	11.55	11.33	11.20	11.50
	50 (RB_Pos:0)	10.88	10.86	10.88	11.50	9.71	9.78	9.81	10.50
	50 (RB_Pos:25)	10.95	10.83	10.72	11.50	9.77	9.75	9.70	10.50
	50 (RB_Pos:50)	10.93	10.95	10.73	11.50	9.76	9.84	9.62	10.50
	100 (RB_Pos:0)	11.09	11.09	10.97	11.50	10.03	9.98	9.86	10.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	132047	132322	132597		132047	132322	132597	
15 MHz	1 (RB_Pos:0)	12.03	12.04	11.65	12.50	11.33	11.31	11.45	11.50
	1 (RB_Pos:38)	11.87	12.00	11.48	12.50	11.35	11.14	10.98	11.50
	1 (RB_Pos:74)	12.05	12.19	11.52	12.50	11.54	11.39	11.13	11.50
	36 (RB_Pos:0)	10.83	10.89	10.86	11.50	9.81	9.70	9.92	10.50
	36 (RB_Pos:20)	11.04	10.81	10.73	11.50	9.91	9.86	9.82	10.50
	36 (RB_Pos:39)	10.81	10.94	10.80	11.50	9.61	9.77	9.57	10.50

	75 (RB_Pos:0)	11.05	11.14	10.96	11.50	9.96	9.97	9.95	10.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	132022	132322	132622		132022	132322	132622	
10 MHz	1 (RB_Pos:0)	12.05	12.08	11.93	12.50	11.38	11.28	11.59	11.50
	1 (RB_Pos:25)	12.12	11.75	11.49	12.50	11.41	11.14	11.03	11.50
	1 (RB_Pos:49)	12.11	12.14	11.54	12.50	11.58	11.33	11.32	11.50
	25 (RB_Pos:0)	10.93	10.73	10.75	11.50	9.84	9.80	9.88	10.50
	25 (RB_Pos:12)	11.01	10.79	10.57	11.50	9.89	9.63	9.68	10.50
	25 (RB_Pos:25)	10.96	11.05	10.60	11.50	9.71	9.95	9.59	10.50
	50 (RB_Pos:0)	11.11	11.23	10.87	11.50	10.04	10.02	9.79	10.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	131997	132322	132647		131997	132322	132647	
5 MHz	1 (RB_Pos:0)	11.94	12.13	11.67	12.50	11.45	11.25	11.38	11.50
	1 (RB_Pos:13)	11.92	11.86	11.34	12.50	11.64	11.02	11.17	11.50
	1 (RB_Pos:24)	12.15	12.35	11.39	12.50	11.50	11.45	11.33	11.50
	12 (RB_Pos:0)	10.74	10.78	10.77	11.50	9.80	9.80	9.89	10.50
	12 (RB_Pos:6)	10.84	10.72	10.72	11.50	9.63	9.72	9.65	10.50
	12 (RB_Pos:13)	10.83	10.80	10.84	11.50	9.87	9.71	9.53	10.50
	25 (RB_Pos:0)	11.21	11.17	10.94	11.50	9.96	9.92	9.99	10.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	131987	132322	132657		131987	132322	132657	
3.0 MHz	1 (RB_Pos:0)	11.91	12.22	11.91	12.50	11.32	11.15	11.40	11.50
	1 (RB_Pos:8)	12.11	11.90	11.43	12.50	11.43	11.12	11.12	11.50
	1 (RB_Pos:14)	12.01	12.31	11.50	12.50	11.55	11.18	11.25	11.50
	8 (RB_Pos:0)	10.82	10.97	10.99	11.50	9.78	9.78	9.75	10.50
	8 (RB_Pos:3)	10.85	10.98	10.79	11.50	9.63	9.76	9.75	10.50
	8 (RB_Pos:7)	10.79	10.83	10.70	11.50	9.73	9.93	9.47	10.50
	15 (RB_Pos:0)	11.24	11.02	10.85	11.50	10.02	9.83	9.81	10.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	131979	132322	132665		131979	132322	132665	
1.4 MHz	1 (RB_Pos:0)	11.96	12.06	11.74	12.50	11.26	11.36	11.37	11.50
	1 (RB_Pos:3)	12.11	11.95	11.61	12.50	11.64	11.00	11.05	11.50
	1 (RB_Pos:5)	12.08	12.35	11.38	12.50	11.49	11.19	11.07	11.50
	3 (RB_Pos:0)	11.97	12.12	11.76	12.50	11.41	11.28	11.46	11.50
	3 (RB_Pos:1)	12.13	11.96	11.56	12.50	11.58	11.02	11.02	11.50
	3 (RB_Pos:3)	12.22	12.10	11.36	12.50	11.60	11.39	11.16	11.50
	6 (RB_Pos:0)	11.21	11.04	11.02	11.50	10.15	10.10	9.79	10.50

TDD LTE Band 41													
Bandwidth (MHz)	RB Set	Power (dBm)											
		QPSK					Tune up limit (dBm)	16QAM					Tune up limit (dBm)
	Channel	39750	40185	40620	41055	41490		39750	40185	40620	41055	41490	
20 MHz	1 (RB_Pos:0)	11.41	11.34	11.35	11.25	11.31	11.50	11.10	10.91	11.27	10.96	10.64	11.50
	1 (RB_Pos:50)	11.44	11.37	11.48	11.27	11.25	11.50	10.91	10.82	11.23	10.85	10.67	11.50
	1 (RB_Pos:99)	11.28	11.20	11.37	11.22	11.46	11.50	11.00	10.89	11.08	10.87	10.56	11.50
	50 (RB_Pos:0)	10.39	10.29	10.21	10.20	10.48	11.00	9.50	9.31	9.44	9.35	9.16	10.50
	50 (RB_Pos:25)	10.68	10.58	10.49	10.52	10.42	11.00	9.59	9.54	9.55	9.54	9.34	10.50
	50 (RB_Pos:50)	10.25	10.15	10.24	10.15	10.36	11.00	9.46	9.39	9.42	9.29	9.09	10.50
	100 (RB_Pos:0)	10.32	10.13	10.27	10.12	10.39	11.00	9.63	9.52	9.47	9.53	9.33	10.50
Bandwidth (MHz)	RB Set	Power (dBm)											
		QPSK					Tune up limit (dBm)	16QAM					Tune up limit (dBm)
	Channel	39725	40160	40620	41080	41515		39725	40160	40620	41080	41515	
15 MHz	1 (RB_Pos:0)	11.31	11.23	11.32	11.30	11.41	11.50	11.01	10.90	11.10	10.98	10.43	11.50
	1 (RB_Pos:38)	11.30	11.25	11.35	11.24	11.39	11.50	11.01	10.72	11.08	10.79	10.45	11.50
	1 (RB_Pos:74)	11.48	11.12	11.45	11.17	11.46	11.50	11.13	10.90	11.06	10.93	10.65	11.50
	36 (RB_Pos:0)	10.54	10.22	10.31	10.24	10.29	11.00	9.46	9.43	9.53	9.42	9.39	10.50
	36 (RB_Pos:20)	10.50	10.59	10.50	10.51	10.48	11.00	9.74	9.52	9.38	9.42	9.31	10.50
	36 (RB_Pos:39)	10.39	10.09	10.43	10.09	10.31	11.00	9.63	9.39	9.52	9.30	9.27	10.50
	75 (RB_Pos:0)	10.35	10.20	10.37	10.20	10.17	11.00	9.47	9.50	9.54	9.49	9.30	10.50
Bandwidth (MHz)	RB Set	Power (dBm)											
		QPSK					Tune up limit (dBm)	16QAM					Tune up limit (dBm)
	Channel	39700	40135	40620	41105	41540		39700	40135	40620	41105	41540	
10 MHz	1 (RB_Pos:0)	11.36	11.34	11.31	11.35	11.27	11.50	10.87	10.99	11.16	10.96	10.51	11.50
	1 (RB_Pos:25)	11.42	11.39	11.29	11.30	11.40	11.50	10.92	10.80	11.05	10.78	10.56	11.50
	1 (RB_Pos:49)	11.47	11.09	11.44	11.15	11.23	11.50	11.09	10.88	11.12	10.86	10.55	11.50
	25 (RB_Pos:0)	10.54	10.23	10.45	10.34	10.27	11.00	9.47	9.33	9.43	9.30	9.35	10.50
	25 (RB_Pos:12)	10.68	10.58	10.47	10.52	10.22	11.00	9.45	9.50	9.39	9.47	9.09	10.50
	25 (RB_Pos:25)	10.36	10.20	10.53	10.11	10.28	11.00	9.59	9.32	9.31	9.36	9.26	10.50
	50 (RB_Pos:0)	10.47	10.22	10.29	10.19	10.38	11.00	9.53	9.50	9.35	9.58	9.31	10.50
Bandwidth (MHz)	RB Set	Power (dBm)											
		QPSK					Tune up limit (dBm)	16QAM					Tune up limit (dBm)
	Channel	39675	40110	40620	41130	41565		39675	40110	40620	41130	41565	
5 MHz	1 (RB_Pos:0)	11.45	11.28	11.45	11.27	11.32	11.50	10.95	10.97	11.12	10.90	10.58	11.50
	1 (RB_Pos:13)	11.45	11.33	11.40	11.33	11.27	11.50	10.98	10.84	11.08	10.73	10.58	11.50
	1 (RB_Pos:24)	11.42	11.13	11.48	11.13	11.36	11.50	10.98	10.88	11.17	10.89	10.62	11.50

	12 (RB_Pos:0)	10.52	10.29	10.36	10.23	10.38	11.00	9.61	9.32	9.45	9.39	9.25	10.50
	12 (RB_Pos:6)	10.54	10.54	10.36	10.63	10.36	11.00	9.59	9.41	9.45	9.46	9.23	10.50
	12 (RB_Pos:13)	10.39	10.09	10.39	10.09	10.36	11.00	9.54	9.36	9.45	9.30	9.23	10.50
	25 (RB_Pos:0)	10.46	10.14	10.38	10.14	10.30	11.00	9.55	9.52	9.43	9.57	9.27	10.50

8.4 LTE (Proximity Sensory Off)

FDD LTE Band 2									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18700	18900	19100		18700	18900	19100	
20 MHz	1 (RB_Pos:0)	22.99	23.10	23.20	23.50	22.52	22.39	22.68	23.00
	1 (RB_Pos:50)	22.93	22.94	23.29	23.50	22.40	22.24	22.47	23.00
	1 (RB_Pos:99)	23.03	23.12	23.35	23.50	22.58	22.34	22.73	23.00
	50 (RB_Pos:0)	21.93	21.99	22.08	23.00	20.96	20.98	21.18	22.00
	50 (RB_Pos:25)	21.92	21.89	22.13	23.00	20.98	20.94	21.22	22.00
	50 (RB_Pos:50)	22.05	21.93	22.28	23.00	21.04	20.99	21.32	22.00
	100 (RB_Pos:0)	22.13	22.00	22.46	23.00	21.14	21.07	21.44	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18675	18900	19125		18675	18900	19125	
15 MHz	1 (RB_Pos:0)	23.02	23.20	23.22	23.50	22.42	22.40	22.79	23.00
	1 (RB_Pos:38)	22.79	22.93	23.18	23.50	22.41	22.39	22.47	23.00
	1 (RB_Pos:74)	23.11	23.13	23.26	23.50	22.61	22.41	22.77	23.00
	36 (RB_Pos:0)	21.86	21.90	22.15	23.00	21.00	21.05	21.13	22.50
	36 (RB_Pos:20)	21.97	21.92	22.26	23.00	21.07	20.85	21.25	22.50
	36 (RB_Pos:39)	22.06	22.06	22.20	23.00	20.89	21.14	21.36	22.50
	75 (RB_Pos:0)	22.06	22.00	22.37	23.00	21.23	21.01	21.33	22.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18650	18900	19150		18650	18900	19150	
10 MHz	1 (RB_Pos:0)	23.04	23.20	23.20	23.50	22.42	22.38	22.67	23.00
	1 (RB_Pos:25)	22.86	22.82	23.33	23.50	22.39	22.35	22.48	23.00
	1 (RB_Pos:49)	22.93	23.09	23.23	23.50	22.64	22.35	22.66	23.00
	25 (RB_Pos:0)	21.98	22.01	22.03	23.00	20.86	20.91	21.07	22.00
	25 (RB_Pos:12)	21.94	21.93	22.06	23.00	21.13	20.82	21.33	22.00
	25 (RB_Pos:25)	22.04	21.84	22.40	23.00	21.18	21.12	21.17	22.00
	50 (RB_Pos:0)	22.22	22.10	22.57	23.00	21.05	20.96	21.46	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18625	18900	19175		18625	18900	19175	
5 MHz	1 (RB_Pos:0)	22.99	23.02	23.10	23.50	22.43	22.28	22.75	23.00
	1 (RB_Pos:13)	22.98	23.04	23.31	23.50	22.31	22.38	22.33	23.00
	1 (RB_Pos:24)	22.94	22.98	23.45	23.50	22.61	22.19	22.73	23.00
	12 (RB_Pos:0)	22.00	21.89	21.94	23.00	21.04	20.93	21.03	22.00
	12 (RB_Pos:6)	21.79	21.96	22.24	23.00	21.11	20.93	21.37	22.00
	12 (RB_Pos:13)	21.98	21.96	22.15	23.00	21.01	21.13	21.27	22.00

	25 (RB_Pos:0)	22.00	21.85	22.57	23.00	21.18	20.96	21.43	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18615	18900	19185		18615	18900	19185	
3.0 MHz	1 (RB_Pos:0)	23.11	23.02	23.18	23.50	22.67	22.48	22.63	23.00
	1 (RB_Pos:8)	23.03	23.01	23.42	23.50	22.34	22.21	22.33	23.00
	1 (RB_Pos:14)	22.97	23.26	23.43	23.50	22.69	22.32	22.69	23.00
	8 (RB_Pos:0)	21.95	22.14	21.96	23.00	20.98	20.97	21.33	22.00
	8 (RB_Pos:3)	21.93	21.95	22.14	23.00	20.95	21.06	21.11	22.00
	8 (RB_Pos:7)	21.98	22.00	22.36	23.00	21.07	20.96	21.45	22.00
	15 (RB_Pos:0)	22.22	21.99	22.41	23.00	21.28	21.03	21.54	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	18607	18900	19193		18607	18900	19193	
1.4 MHz	1 (RB_Pos:0)	23.01	23.09	23.13	23.50	22.65	22.39	22.54	23.00
	1 (RB_Pos:3)	22.94	23.05	23.41	23.50	22.54	22.38	22.62	23.00
	1 (RB_Pos:5)	23.14	23.14	23.38	23.50	22.49	22.46	22.63	23.00
	3 (RB_Pos:0)	23.05	23.05	23.22	23.50	20.87	20.95	21.03	23.00
	3 (RB_Pos:1)	22.93	22.88	23.24	23.50	20.93	20.81	21.35	23.00
	3 (RB_Pos:3)	23.06	22.98	23.34	23.50	20.89	20.89	21.43	23.00
	6 (RB_Pos:0)	22.01	21.86	22.44	23.00	21.10	21.06	21.33	22.00

FDD LTE Band 4									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20050	20175	20300		20050	20175	20300	
20 MHz	1 (RB_Pos:0)	23.16	23.23	23.00	23.50	22.48	22.70	22.60	23.00
	1 (RB_Pos:50)	23.20	23.24	23.06	23.50	22.58	22.67	22.59	23.00
	1 (RB_Pos:99)	23.28	23.24	23.17	23.50	22.70	22.69	22.76	23.00
	50 (RB_Pos:0)	22.20	22.13	22.03	23.00	21.24	21.21	21.03	22.00
	50 (RB_Pos:25)	22.17	22.13	22.08	23.00	21.20	21.14	21.10	22.00
	50 (RB_Pos:50)	22.12	22.05	22.19	23.00	21.16	21.07	21.21	22.00
	100 (RB_Pos:0)	22.32	22.23	22.28	23.00	21.28	21.26	21.26	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20025	20175	20325		20025	20175	20325	
15 MHz	1 (RB_Pos:0)	23.04	23.33	23.07	23.50	22.42	22.61	22.64	23.00
	1 (RB_Pos:38)	23.24	23.37	23.11	23.50	22.44	22.54	22.54	23.00
	1 (RB_Pos:74)	23.30	23.37	23.21	23.50	22.69	22.54	22.71	23.00
	36 (RB_Pos:0)	22.15	22.18	22.10	23.00	21.29	21.13	21.08	22.00
	36 (RB_Pos:20)	22.17	22.12	21.96	23.00	21.33	21.24	21.08	22.00

	36 (RB_Pos:39)	22.14	22.05	22.18	23.00	21.26	21.02	21.09	22.00
	75 (RB_Pos:0)	22.36	22.21	22.26	23.00	21.38	21.27	21.13	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20000	20175	20350		20000	20175	20350	
10 MHz	1 (RB_Pos:0)	23.02	23.09	23.00	23.50	22.48	22.76	22.48	23.00
	1 (RB_Pos:25)	23.17	23.35	23.02	23.50	22.64	22.52	22.54	23.00
	1 (RB_Pos:49)	23.16	23.29	23.22	23.50	22.84	22.67	22.63	23.00
	25 (RB_Pos:0)	22.29	22.05	22.12	23.00	21.39	21.11	21.16	22.00
	25 (RB_Pos:12)	22.04	22.12	22.13	23.00	21.29	21.22	21.16	22.00
	25 (RB_Pos:25)	22.21	22.06	22.21	23.00	21.27	21.13	21.11	22.00
	50 (RB_Pos:0)	22.46	22.32	22.13	23.00	21.39	21.21	21.26	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19975	20175	20375		19975	20175	20375	
5 MHz	1 (RB_Pos:0)	23.02	23.08	23.07	23.50	22.61	22.82	22.70	23.00
	1 (RB_Pos:13)	23.15	23.29	23.02	23.50	22.47	22.63	22.60	23.00
	1 (RB_Pos:24)	23.31	23.28	23.18	23.50	22.74	22.58	22.90	23.00
	12 (RB_Pos:0)	22.11	22.06	21.94	23.00	21.13	21.10	21.16	22.00
	12 (RB_Pos:6)	22.17	22.09	22.15	23.00	21.32	21.05	21.14	22.00
	12 (RB_Pos:13)	22.23	22.15	22.34	23.00	21.29	21.09	21.31	22.00
	25 (RB_Pos:0)	22.45	22.08	22.30	23.00	21.31	21.25	21.12	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19965	20175	20385		19965	20175	20385	
3.0 MHz	1 (RB_Pos:0)	23.23	23.34	23.12	23.50	22.47	22.79	22.75	23.00
	1 (RB_Pos:8)	23.30	23.10	23.07	23.50	22.53	22.71	22.68	23.00
	1 (RB_Pos:14)	23.13	23.13	23.23	23.50	22.62	22.68	22.88	23.00
	8 (RB_Pos:0)	22.26	22.27	22.07	23.00	21.16	21.12	21.00	22.00
	8 (RB_Pos:3)	22.06	22.14	21.93	23.00	21.20	21.21	21.05	22.00
	8 (RB_Pos:7)	22.00	22.11	22.20	23.00	21.28	21.20	21.08	22.00
	15 (RB_Pos:0)	22.23	22.16	22.18	23.00	21.35	21.35	21.21	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	19957	20175	20393		19957	20175	20393	
1.4 MHz	1 (RB_Pos:0)	23.12	23.28	23.06	23.50	22.61	22.73	22.56	23.00
	1 (RB_Pos:3)	23.33	23.28	22.96	23.50	22.68	22.63	22.62	23.00
	1 (RB_Pos:5)	23.39	23.28	23.21	23.50	22.74	22.70	22.83	23.00
	3 (RB_Pos:0)	23.11	23.22	22.86	23.50	22.33	22.79	22.52	23.00
	3 (RB_Pos:1)	23.21	23.26	22.92	23.50	22.59	22.73	22.53	23.00
	3 (RB_Pos:3)	23.33	23.35	23.05	23.50	22.59	22.84	22.69	23.00
	6 (RB_Pos:0)	22.20	22.35	22.14	23.00	21.42	21.36	21.13	22.00

FDD LTE Band 5									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20450	20525	20600		20450	20525	20600	
10 MHz	1 (RB_Pos:0)	23.30	22.75	22.90	23.50	22.47	21.87	22.21	23.00
	1 (RB_Pos:25)	22.97	22.95	22.77	23.50	22.14	22.02	21.98	23.00
	1 (RB_Pos:49)	22.93	23.09	22.82	23.50	22.19	22.24	22.10	23.00
	25 (RB_Pos:0)	22.15	21.80	21.97	22.50	21.10	20.89	21.13	22.00
	25 (RB_Pos:12)	21.91	21.95	21.85	22.50	20.93	21.04	20.96	22.00
	25 (RB_Pos:25)	21.72	22.05	21.92	22.50	20.80	21.12	20.90	22.00
	50 (RB_Pos:0)	21.91	21.98	22.03	22.50	20.91	21.03	20.91	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20425	20525	20625		20425	20525	20625	
5 MHz	1 (RB_Pos:0)	23.26	22.77	22.82	23.50	22.34	21.85	22.09	23.00
	1 (RB_Pos:13)	22.90	22.97	22.64	23.50	22.24	22.07	22.11	23.00
	1 (RB_Pos:24)	22.97	23.05	22.94	23.50	22.28	22.09	22.15	23.00
	12 (RB_Pos:0)	22.17	21.82	21.89	22.50	21.14	20.87	21.25	22.00
	12 (RB_Pos:6)	21.82	21.99	21.91	22.50	20.80	20.92	20.88	22.00
	12 (RB_Pos:13)	21.68	21.99	22.07	22.50	20.86	21.18	20.92	22.00
	25 (RB_Pos:0)	21.78	21.90	21.98	22.50	20.93	21.15	20.84	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20415	20525	20635		20415	20525	20635	
3.0 MHz	1 (RB_Pos:0)	23.45	22.76	23.03	23.50	22.46	21.88	22.20	23.00
	1 (RB_Pos:8)	22.97	23.09	22.84	23.50	22.11	21.90	21.93	23.00
	1 (RB_Pos:14)	22.84	23.08	22.87	23.50	22.08	22.35	22.17	23.00
	8 (RB_Pos:0)	22.23	21.75	22.11	22.50	20.99	20.74	21.17	22.00
	8 (RB_Pos:3)	21.96	21.93	21.80	22.50	20.90	21.06	21.03	22.00
	8 (RB_Pos:7)	21.63	21.93	21.87	22.50	20.71	21.05	20.92	22.00
	15 (RB_Pos:0)	21.90	21.88	22.13	22.50	20.89	20.98	21.00	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20407	20525	20643		20407	20525	20643	
1.4 MHz	1 (RB_Pos:0)	23.23	22.70	22.85	23.50	22.55	22.02	22.22	23.00
	1 (RB_Pos:3)	23.11	22.92	22.79	23.50	22.24	21.91	21.90	23.00
	1 (RB_Pos:5)	23.04	23.03	22.69	23.50	22.19	22.18	21.96	23.00
	3 (RB_Pos:0)	23.34	22.86	22.93	23.50	22.40	21.95	22.19	23.00
	3 (RB_Pos:1)	22.90	22.84	22.64	23.50	22.07	22.01	22.10	23.00
	3 (RB_Pos:3)	22.88	23.18	22.67	23.50	22.28	22.19	22.21	23.00

	6 (RB_Pos:0)	21.99	22.04	21.88	22.50	20.91	21.16	20.84	22.00
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FDD LTE Band 7									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20850	21100	21350		20850	21100	21350	
20 MHz	1 (RB_Pos:0)	23.22	23.14	22.90	23.50	22.23	22.36	22.31	22.50
	1 (RB_Pos:50)	23.16	22.98	22.94	23.50	22.29	22.18	22.37	22.50
	1 (RB_Pos:99)	23.20	23.05	22.83	23.50	22.38	22.22	22.23	22.50
	50 (RB_Pos:0)	22.19	21.98	21.99	22.50	21.08	21.00	21.05	21.50
	50 (RB_Pos:25)	22.16	21.83	22.07	22.50	21.05	20.84	21.11	21.50
	50 (RB_Pos:50)	22.06	21.83	22.09	22.50	20.99	20.83	21.11	21.50
	100 (RB_Pos:0)	22.19	21.93	22.19	22.50	21.18	21.01	21.21	21.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20825	21100	21375		20825	21100	21375	
15 MHz	1 (RB_Pos:0)	23.34	23.16	22.75	23.50	22.17	22.41	22.46	22.50
	1 (RB_Pos:38)	23.06	23.08	22.87	23.50	22.29	22.13	22.47	22.50
	1 (RB_Pos:74)	23.14	22.93	22.95	23.50	22.38	22.11	22.09	22.50
	36 (RB_Pos:0)	22.34	22.08	22.05	22.50	21.14	20.91	20.94	21.50
	36 (RB_Pos:20)	22.13	21.96	21.98	22.50	21.11	20.99	21.04	21.50
	36 (RB_Pos:39)	21.93	21.84	21.97	22.50	21.04	20.82	21.13	21.50
	75 (RB_Pos:0)	22.15	21.83	22.10	22.50	21.15	20.99	21.07	21.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20800	21100	21400		20800	21100	21400	
10 MHz	1 (RB_Pos:0)	23.31	23.07	22.92	23.50	22.19	22.36	22.41	22.50
	1 (RB_Pos:25)	23.24	23.02	22.85	23.50	22.18	22.17	22.33	22.50
	1 (RB_Pos:49)	23.24	22.95	22.92	23.50	22.28	22.27	22.29	22.50
	25 (RB_Pos:0)	22.19	21.97	21.99	22.50	21.21	20.86	20.95	21.50
	25 (RB_Pos:12)	22.29	21.93	22.17	22.50	21.00	20.88	21.12	21.50
	25 (RB_Pos:25)	22.16	21.71	22.12	22.50	21.04	20.77	21.04	21.50
	50 (RB_Pos:0)	22.12	21.96	22.25	22.50	21.22	21.08	21.33	21.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	20775	21100	21425		20775	21100	21425	
5 MHz	1 (RB_Pos:0)	23.20	23.17	22.92	23.50	22.38	22.43	22.35	22.50
	1 (RB_Pos:13)	23.20	22.88	23.06	23.50	22.41	22.16	22.34	22.50
	1 (RB_Pos:24)	23.23	23.10	22.91	23.50	22.42	22.35	22.35	22.50
	12 (RB_Pos:0)	22.13	22.03	22.11	22.50	21.16	21.00	20.92	21.50
	12 (RB_Pos:6)	22.17	21.71	22.07	22.50	21.20	20.76	21.19	21.50

	12 (RB_Pos:13)	22.14	21.69	22.00	22.50	21.04	20.82	21.12	21.50
	25 (RB_Pos:0)	22.23	21.78	22.08	22.50	21.09	20.91	21.31	21.50

FDD LTE Band 12									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	23060	23095	23130		23060	23095	23130	
10 MHz	1 (RB_Pos:0)	22.73	22.74	22.53	23.50	21.92	22.04	21.87	22.50
	1 (RB_Pos:25)	22.72	22.58	22.43	23.50	21.98	21.89	21.80	22.50
	1 (RB_Pos:49)	22.63	22.63	22.62	23.50	21.85	21.86	21.83	22.50
	25 (RB_Pos:0)	21.84	21.57	21.54	22.50	20.81	20.64	20.61	21.50
	25 (RB_Pos:12)	21.77	21.59	21.54	22.50	20.75	20.61	20.58	21.50
	25 (RB_Pos:25)	21.73	21.52	21.47	22.50	20.75	20.48	20.52	21.50
	50 (RB_Pos:0)	21.81	21.68	21.61	22.50	20.92	20.68	20.72	21.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	23035	23095	23155		23035	23095	23155	
5 MHz	1 (RB_Pos:0)	22.80	22.59	22.56	23.50	21.82	21.92	21.77	22.50
	1 (RB_Pos:13)	22.57	22.45	22.55	23.50	21.98	21.92	21.92	22.50
	1 (RB_Pos:24)	22.58	22.71	22.47	23.50	21.70	21.73	21.82	22.50
	12 (RB_Pos:0)	21.87	21.69	21.65	22.50	20.86	20.52	20.63	21.50
	12 (RB_Pos:6)	21.84	21.65	21.52	22.50	20.90	20.76	20.66	21.50
	12 (RB_Pos:13)	21.83	21.48	21.48	22.50	20.68	20.39	20.42	21.50
	25 (RB_Pos:0)	21.72	21.59	21.52	22.50	21.07	20.60	20.77	21.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	23025	23095	23165		23025	23095	23165	
3.0 MHz	1 (RB_Pos:0)	22.66	22.67	22.68	23.50	21.98	22.05	21.80	22.50
	1 (RB_Pos:8)	22.61	22.59	22.38	23.50	22.10	22.01	21.83	22.50
	1 (RB_Pos:14)	22.64	22.55	22.51	23.50	21.73	21.85	21.68	22.50
	8 (RB_Pos:0)	21.78	21.44	21.69	22.50	20.90	20.63	20.61	21.50
	8 (RB_Pos:3)	21.80	21.68	21.63	22.50	20.80	20.59	20.59	21.50
	8 (RB_Pos:7)	21.68	21.65	21.43	22.50	20.68	20.62	20.40	21.50
	15 (RB_Pos:0)	21.86	21.60	21.74	22.50	20.90	20.76	20.69	21.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	23017	23095	23173		23017	23095	23173	
1.4 MHz	1 (RB_Pos:0)	22.76	22.68	22.59	23.50	21.89	21.91	21.95	22.50
	1 (RB_Pos:3)	22.81	22.44	22.50	23.50	21.98	21.94	21.91	22.50
	1 (RB_Pos:5)	22.55	22.69	22.50	23.50	21.91	21.78	21.94	22.50
	3 (RB_Pos:0)	22.80	22.72	22.76	23.50	22.08	22.08	21.86	22.50

	3 (RB_Pos:1)	22.54	22.47	22.48	23.50	22.04	21.99	21.90	22.50
	3 (RB_Pos:3)	22.63	22.40	22.55	23.50	21.86	21.93	21.81	22.50
	6 (RB_Pos:0)	21.88	21.63	21.46	22.50	21.02	20.60	20.80	21.50

FDD LTE Band 13					
Bandwidth (MHz)	RB Set	Power (dBm)			
		QPSK	Tune up limit (dBm)	16QAM	Tune up limit (dBm)
	Channel	23230		23230	
10 MHz	1 (RB_Pos:0)	22.76	23.50	22.09	22.50
	1 (RB_Pos:25)	22.77	23.50	22.18	22.50
	1 (RB_Pos:49)	22.98	23.50	22.31	22.50
	25 (RB_Pos:0)	21.91	22.50	21.03	21.50
	25 (RB_Pos:12)	21.82	22.50	20.91	21.50
	25 (RB_Pos:25)	21.87	22.50	20.98	21.50
	50 (RB_Pos:0)	21.95	22.50	20.98	21.50
Bandwidth (MHz)	RB Set	Power (dBm)			
		QPSK	Tune up limit (dBm)	16QAM	Tune up limit (dBm)
	Channel	23230		23230	
5 MHz	1 (RB_Pos:0)	23.08	23.50	22.32	22.50
	1 (RB_Pos:13)	22.91	23.50	22.16	22.50
	1 (RB_Pos:24)	22.98	23.50	22.21	22.50
	12 (RB_Pos:0)	21.85	22.50	20.82	21.50
	12 (RB_Pos:6)	21.79	22.50	20.77	21.50
	12 (RB_Pos:13)	21.80	22.50	20.78	21.50
	25 (RB_Pos:0)	21.86	22.50	20.85	21.50

FDD LTE Band 26									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	26765	26865	26965		26765	26865	26965	
15 MHz	1 (RB_Pos:0)	22.98	22.81	22.77	23.50	22.10	22.34	22.18	22.50
	1 (RB_Pos:38)	23.14	22.42	22.83	23.50	22.23	21.97	22.25	22.50
	1 (RB_Pos:74)	22.85	22.82	22.74	23.50	21.91	22.40	22.20	22.50
	36 (RB_Pos:0)	22.12	21.74	21.92	22.50	21.16	20.77	20.95	21.50
	36 (RB_Pos:20)	22.16	21.60	21.82	22.50	21.16	20.60	20.89	21.50
	36 (RB_Pos:39)	21.96	21.76	21.75	22.50	20.98	20.79	20.82	21.50
	75 (RB_Pos:0)	22.20	21.73	21.86	22.50	21.21	20.69	20.90	21.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	26740	26865	26990		26740	26865	26990	
10 MHz	1 (RB_Pos:0)	22.96	22.82	22.89	23.50	22.06	22.26	22.31	22.50
	1 (RB_Pos:25)	23.20	22.36	22.86	23.50	22.23	21.94	22.26	22.50

	1 (RB_Pos:49)	22.78	22.81	22.68	23.50	21.97	22.47	22.33	22.50
	25 (RB_Pos:0)	22.09	21.65	21.86	22.50	21.13	20.83	21.06	21.50
	25 (RB_Pos:12)	22.24	21.67	21.68	22.50	21.22	20.54	20.89	21.50
	25 (RB_Pos:25)	21.81	21.76	21.82	22.50	20.86	20.82	20.67	21.50
	50 (RB_Pos:0)	22.08	21.72	21.93	22.50	21.11	20.79	20.93	21.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	26715	26865	27015		26715	26865	27015	
5 MHz	1 (RB_Pos:0)	22.90	22.68	22.91	23.50	22.13	22.39	22.28	22.50
	1 (RB_Pos:13)	23.03	22.40	22.83	23.50	22.20	21.82	22.28	22.50
	1 (RB_Pos:24)	22.75	22.77	22.60	23.50	21.88	22.43	22.21	22.50
	12 (RB_Pos:0)	22.13	21.73	22.00	22.50	21.11	20.66	20.81	21.50
	12 (RB_Pos:6)	22.08	21.74	21.80	22.50	21.21	20.49	20.77	21.50
	12 (RB_Pos:13)	22.11	21.73	21.73	22.50	20.98	20.70	20.82	21.50
	25 (RB_Pos:0)	22.23	21.60	21.81	22.50	21.16	20.68	20.87	21.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	26705	26865	27025		26705	26865	27025	
3.0 MHz	1 (RB_Pos:0)	23.12	22.78	22.68	23.50	22.09	22.38	22.06	22.50
	1 (RB_Pos:8)	23.29	22.36	22.98	23.50	22.36	22.12	22.10	22.50
	1 (RB_Pos:14)	22.70	22.88	22.89	23.50	21.78	22.53	22.18	22.50
	8 (RB_Pos:0)	22.22	21.84	21.87	22.50	21.29	20.78	20.81	21.50
	8 (RB_Pos:3)	22.21	21.75	21.71	22.50	21.01	20.55	20.84	21.50
	8 (RB_Pos:7)	22.10	21.77	21.70	22.50	21.01	20.79	20.79	21.50
	15 (RB_Pos:0)	22.33	21.60	21.85	22.50	21.28	20.69	21.03	21.50
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	26697	26865	27033		26697	26865	27033	
1.4 MHz	1 (RB_Pos:0)	23.01	22.69	22.71	23.50	22.07	22.23	22.15	22.50
	1 (RB_Pos:3)	23.04	22.57	22.82	23.50	22.24	21.83	22.37	22.50
	1 (RB_Pos:5)	22.77	22.79	22.72	23.50	21.99	22.32	22.28	22.50
	3 (RB_Pos:0)	23.25	23.26	23.03	23.50	22.11	22.42	22.12	22.50
	3 (RB_Pos:1)	23.42	23.20	23.41	23.50	22.23	22.00	22.24	22.50
	3 (RB_Pos:3)	22.75	22.65	22.83	23.50	21.87	22.39	22.07	22.50
	6 (RB_Pos:0)	22.31	21.71	21.75	22.50	21.32	20.63	21.01	21.50

FDD LTE Band 30					
Bandwidth (MHz)	RB Set	Power (dBm)			
		QPSK	Tune up limit (dBm)	16QAM	Tune up limit (dBm)
	Channel	27710		27710	
10 MHz	1 (RB_Pos:0)	23.22	23.50	22.45	22.50
	1 (RB_Pos:25)	23.22	23.50	22.54	22.50
	1 (RB_Pos:49)	23.15	23.50	22.52	22.50
	25 (RB_Pos:0)	22.08	22.50	21.04	21.50
	25 (RB_Pos:12)	22.15	22.50	21.15	21.50
	25 (RB_Pos:25)	22.12	22.50	21.17	21.50
	50 (RB_Pos:0)	22.17	22.50	21.21	21.50
Bandwidth (MHz)	RB Set	Power (dBm)			
		QPSK	Tune up limit (dBm)	16QAM	Tune up limit (dBm)
	Channel	27710		27710	
5 MHz	1 (RB_Pos:0)	23.19	23.50	22.56	22.50
	1 (RB_Pos:13)	23.33	23.50	22.43	22.50
	1 (RB_Pos:24)	23.03	23.50	22.56	22.50
	12 (RB_Pos:0)	21.97	22.50	21.17	21.50
	12 (RB_Pos:6)	22.21	22.50	21.30	21.50
	12 (RB_Pos:13)	21.98	22.50	21.15	21.50
	25 (RB_Pos:0)	22.28	22.50	21.14	21.50

FDD LTE Band 66									
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	132072	132322	132572		132072	132322	132572	
20 MHz	1 (RB_Pos:0)	23.10	22.89	23.08	23.50	22.14	22.35	22.45	23.00
	1 (RB_Pos:50)	23.24	22.76	22.64	23.50	22.36	22.27	21.94	23.00
	1 (RB_Pos:99)	23.28	23.16	22.91	23.50	22.46	22.64	22.25	23.00
	50 (RB_Pos:0)	22.06	21.93	21.87	22.50	21.03	20.87	20.84	22.00
	50 (RB_Pos:25)	22.12	21.97	21.64	22.50	21.11	20.87	20.61	22.00
	50 (RB_Pos:50)	22.11	22.13	21.75	22.50	21.06	21.08	20.63	22.00
	100 (RB_Pos:0)	22.31	22.19	22.01	22.50	21.21	21.10	20.93	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	132047	132322	132597		132047	132322	132597	
15 MHz	1 (RB_Pos:0)	23.13	22.92	23.08	23.50	22.12	22.31	22.47	23.00
	1 (RB_Pos:38)	23.17	22.77	22.60	23.50	22.48	22.36	21.86	23.00
	1 (RB_Pos:74)	23.32	23.02	22.85	23.50	22.54	22.79	22.19	23.00
	36 (RB_Pos:0)	22.09	21.84	21.84	22.50	20.91	20.80	20.78	22.00
	36 (RB_Pos:20)	22.24	22.08	21.62	22.50	20.97	20.80	20.57	22.00
	36 (RB_Pos:39)	22.25	22.12	21.61	22.50	21.15	21.23	20.49	22.00

	75 (RB_Pos:0)	22.18	22.11	22.02	22.50	21.17	20.95	20.92	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	132022	132322	132622		132022	132322	132622	
10 MHz	1 (RB_Pos:0)	23.13	22.93	22.95	23.50	22.20	22.37	22.60	23.00
	1 (RB_Pos:25)	23.14	22.66	22.71	23.50	22.30	22.41	22.09	23.00
	1 (RB_Pos:49)	23.19	23.19	22.85	23.50	22.34	22.55	22.25	23.00
	25 (RB_Pos:0)	22.01	21.86	21.83	22.50	21.05	20.82	20.81	22.00
	25 (RB_Pos:12)	22.23	22.05	21.75	22.50	21.22	20.81	20.55	22.00
	25 (RB_Pos:25)	22.11	22.22	21.75	22.50	21.08	21.11	20.63	22.00
	50 (RB_Pos:0)	22.26	22.31	21.92	22.50	21.26	21.16	20.90	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	131997	132322	132647		131997	132322	132647	
5 MHz	1 (RB_Pos:0)	23.06	22.79	23.21	23.50	22.12	22.47	22.54	23.00
	1 (RB_Pos:13)	23.26	22.72	22.75	23.50	22.32	22.31	21.79	23.00
	1 (RB_Pos:24)	23.29	23.11	22.85	23.50	22.41	22.49	22.28	23.00
	12 (RB_Pos:0)	22.18	22.05	21.79	22.50	20.93	20.96	20.77	22.00
	12 (RB_Pos:6)	22.26	21.96	21.63	22.50	20.96	20.97	20.70	22.00
	12 (RB_Pos:13)	22.20	22.23	21.69	22.50	20.94	20.99	20.68	22.00
	25 (RB_Pos:0)	22.22	22.13	22.04	22.50	21.28	21.20	21.04	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	131987	132322	132657		131987	132322	132657	
3.0 MHz	1 (RB_Pos:0)	23.22	22.95	23.03	23.50	22.25	22.26	22.45	23.00
	1 (RB_Pos:8)	23.12	22.85	22.68	23.50	22.44	22.16	21.98	23.00
	1 (RB_Pos:14)	23.22	23.14	22.84	23.50	22.36	22.56	22.16	23.00
	8 (RB_Pos:0)	22.10	22.00	21.97	22.50	20.95	20.95	20.69	22.00
	8 (RB_Pos:3)	22.11	22.04	21.53	22.50	20.98	20.74	20.67	22.00
	8 (RB_Pos:7)	22.12	22.04	21.88	22.50	20.95	20.94	20.57	22.00
	15 (RB_Pos:0)	22.34	22.29	21.87	22.50	21.19	21.16	20.92	22.00
Bandwidth (MHz)	RB Set	Power (dBm)							
		QPSK			Tune up limit (dBm)	16QAM			Tune up limit (dBm)
	Channel	131979	132322	132665		131979	132322	132665	
1.4 MHz	1 (RB_Pos:0)	23.04	22.97	22.94	23.50	22.09	22.29	22.35	23.00
	1 (RB_Pos:3)	23.09	22.67	22.78	23.50	22.43	22.42	21.91	23.00
	1 (RB_Pos:5)	23.31	23.03	22.92	23.50	22.34	22.79	22.34	23.00
	3 (RB_Pos:0)	23.20	22.84	23.09	23.50	22.00	22.24	22.48	23.00
	3 (RB_Pos:1)	23.38	22.77	22.56	23.50	22.42	22.15	21.83	23.00
	3 (RB_Pos:3)	23.24	23.26	22.87	23.50	22.33	22.59	22.35	23.00
	6 (RB_Pos:0)	22.25	22.31	21.95	22.50	21.26	21.20	20.90	22.00

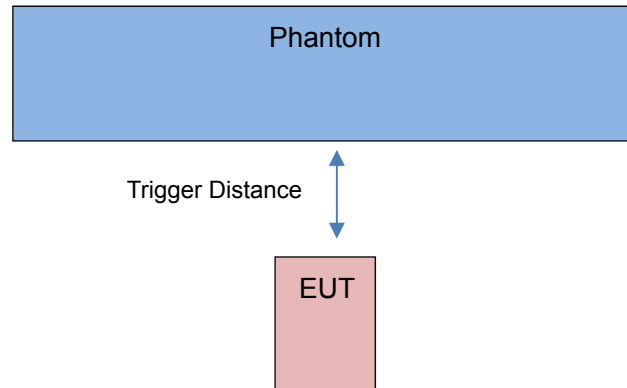
TDD LTE Band 41													
Bandwidth (MHz)	RB Set	Power (dBm)											
		QPSK					Tune up limit (dBm)	16QAM					Tune up limit (dBm)
	Channel	39750	40185	40620	41055	41490		39750	40185	40620	41055	41490	
20 MHz	1 (RB_Pos:0)	23.34	23.22	23.12	23.33	22.85	23.50	22.78	22.65	22.37	22.65	22.37	23.00
	1 (RB_Pos:50)	23.27	23.23	23.46	23.19	22.75	23.50	22.80	22.71	22.37	22.81	22.32	23.00
	1 (RB_Pos:99)	23.27	23.24	23.08	23.13	22.75	23.50	22.79	22.71	22.38	22.89	22.34	23.00
	50 (RB_Pos:0)	22.20	22.23	21.97	22.27	21.83	22.50	21.19	21.20	21.14	21.13	20.82	22.00
	50 (RB_Pos:25)	22.10	22.02	21.99	22.04	21.84	22.50	21.18	21.32	21.14	21.10	20.86	22.00
	50 (RB_Pos:50)	22.02	22.01	22.01	21.91	21.86	22.50	21.11	21.09	21.16	21.21	20.87	22.00
	100 (RB_Pos:0)	22.17	22.25	22.01	22.12	21.90	22.50	21.21	21.30	21.02	21.14	20.91	22.00
Bandwidth (MHz)	RB Set	Power (dBm)											
		QPSK					Tune up limit (dBm)	16QAM					Tune up limit (dBm)
	Channel	39725	40160	40620	41080	41515		39725	40160	40620	41080	41515	
15 MHz	1 (RB_Pos:0)	23.36	23.30	23.23	23.47	23.16	23.50	22.33	22.32	22.79	22.32	22.54	23.00
	1 (RB_Pos:38)	23.36	23.33	23.24	23.33	23.12	23.50	22.27	22.16	22.81	22.16	22.54	23.00
	1 (RB_Pos:74)	23.36	23.39	23.21	23.35	23.08	23.50	22.27	22.14	22.82	22.14	22.57	23.00
	36 (RB_Pos:0)	22.25	22.27	22.21	22.19	21.94	22.50	21.47	21.50	21.28	21.50	21.01	22.00
	36 (RB_Pos:20)	22.25	22.11	22.24	22.31	21.95	22.50	21.47	21.42	21.24	21.42	21.10	22.00
	36 (RB_Pos:39)	22.23	22.37	22.24	22.28	21.87	22.50	21.41	21.43	21.23	21.43	21.08	22.00
	75 (RB_Pos:0)	22.19	22.05	22.14	22.19	21.82	22.50	21.38	21.53	21.21	21.53	20.84	22.00
Bandwidth (MHz)	RB Set	Power (dBm)											
		QPSK					Tune up limit (dBm)	16QAM					Tune up limit (dBm)
	Channel	39700	40135	40620	41105	41540		39700	40135	40620	41105	41540	
10 MHz	1 (RB_Pos:0)	23.33	23.29	23.02	23.27	22.91	23.50	22.78	22.82	22.38	22.82	22.51	23.00
	1 (RB_Pos:25)	23.31	23.38	23.01	23.21	22.87	23.50	22.76	22.72	22.36	22.72	22.50	23.00
	1 (RB_Pos:49)	23.32	23.44	23.00	23.18	22.87	23.50	22.83	22.78	22.41	22.78	22.57	23.00
	25 (RB_Pos:0)	22.29	22.19	22.19	22.36	22.01	22.50	21.41	21.48	21.32	21.48	21.11	22.00
	25 (RB_Pos:12)	22.25	22.28	22.18	22.21	21.99	22.50	21.37	21.41	21.33	21.41	21.10	22.00
	25 (RB_Pos:25)	22.24	22.21	22.21	22.32	22.00	22.50	21.36	21.41	21.34	21.41	21.11	22.00
	50 (RB_Pos:0)	22.20	22.20	22.17	22.22	22.03	22.50	21.34	21.25	21.28	21.25	21.05	22.00
Bandwidth (MHz)	RB Set	Power (dBm)											
		QPSK					Tune up limit (dBm)	16QAM					Tune up limit (dBm)
	Channel	39675	40110	40620	41130	41565		39675	40110	40620	41130	41565	
5 MHz	1 (RB_Pos:0)	23.38	23.30	23.29	23.47	23.03	23.50	22.79	22.66	22.42	22.66	22.72	23.00
	1 (RB_Pos:13)	23.35	23.24	23.26	23.20	22.93	23.50	22.74	22.72	22.39	22.72	22.67	23.00
	1 (RB_Pos:24)	23.37	23.48	23.34	23.37	23.03	23.50	22.66	22.73	22.44	22.73	22.77	23.00

	12 (RB_Pos:0)	22.30	22.33	22.20	22.32	21.98	22.50	21.33	21.39	21.19	21.39	20.99	22.00
	12 (RB_Pos:6)	22.26	22.18	22.20	22.37	21.90	22.50	21.32	21.09	21.19	21.09	20.97	22.00
	12 (RB_Pos:13)	22.20	22.11	22.21	22.18	21.90	22.50	21.29	21.38	21.19	21.38	20.97	22.00
	25 (RB_Pos:0)	22.26	22.26	22.16	22.23	21.92	22.50	21.40	21.22	21.19	21.22	21.03	22.00

9 PROXIMITY SENSOR TRIGGERING TEST

9.1.1 Procedures for determining proximity sensor distance (KDB 616217 D04 section 6.2)

Proximity sensor triggering distance testing was performed, EUT moving further away from the phantom and EUT moving toward the phantom were both assessed, and the shortest triggering distances were reported and used for SAR assessment.



Distance in mm	0-10	11	12	13	14	15	16	17	18
Back Side	On	On	On	On	On	On	On	Off	Off
Left Edge	Off	Off	Off	Off	Off	Off	Off	Off	Off
Right Edge	Off	Off	Off	Off	Off	Off	Off	Off	Off
Top Edge	On	On	On	On	On	On	On	Off	Off
Bottom Edge	Off	Off	Off	Off	Off	Off	Off	Off	Off
Note: Power reduction is only applicable for 3G/ 4G.									

9.1.2 Proximity Sensor Triggering Coverage (KDB 616217 D04 section 6.3)

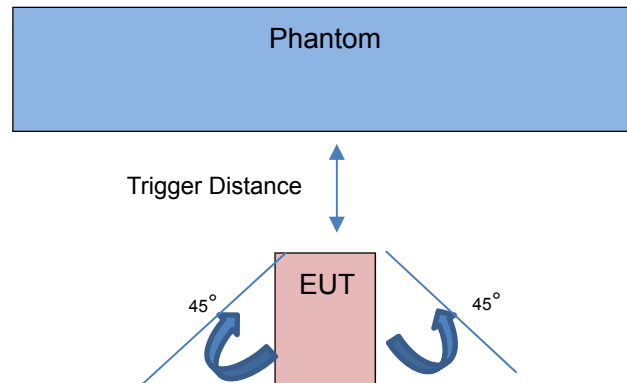
If a sensor is spatially offset from the antenna(s), it is necessary to verify sensor triggering for conditions where the antenna is next to the user but the sensor is laterally further away to ensure sensor coverage is sufficient for reducing the power to maintain compliance. For p-sensor coverage testing, the device is moved and “along the direction of maximum antenna and sensor offset”. Illustrated in the internal photo exhibit, although the sensor is spatially offset, there is no trigger condition where the antenna is next to the user but the sensor is laterally further away, therefore proximity sensor coverage testing is not required.

This procedure is not required for this device because antenna and sensor are collocated and the peak SAR location is overlapping with the sensor.

9.1.3 Procedures for determining tablet tilt angle influences to proximity sensor triggering(KDB 616217 D04 section 6.4)

According to the procedures noticed in KDB 616217 D04 section and 6.2 and 6.3, the proximity sensor triggering distance is 16 mm for top edge. The separation distance of 16 mm determined by the smallest triggering distance on Top edge is used to access the tilt angle influence and the sensor does not release during $\pm 45^\circ$ degree.

Rotating the tablet around the edge next to the phantom in $\leq 10^\circ$ increments until the tablet is $\pm 45^\circ$ from the vertical position at 0° , and the maximum output power remains in the reduced mode.



Position	Distance (mm)	-45°	-40°	-35°	-20°	-10°	0°	10°	20°	35°	40°	45°
Top Edge	16	On	On	On	On	On	On	On	On	On	On	On

Note: Power reduction is only applicable for 3G/ 4G.

For verification of compliance of power reduction scheme, additional SAR test with EUT transmitting at full RF power at a separation of “the triggering distance – 1 mm”

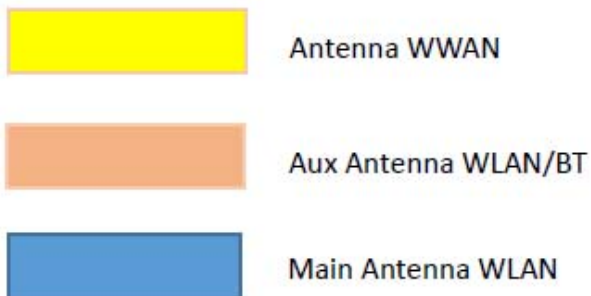
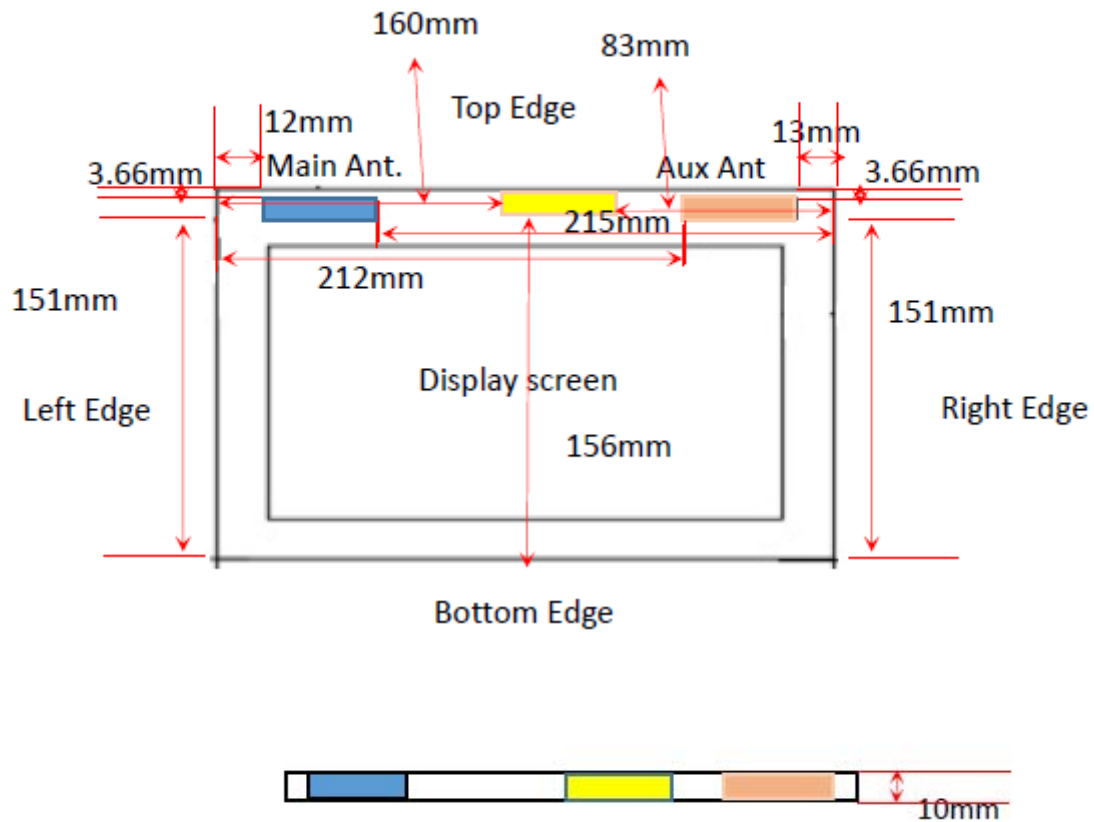
EUT Sides	Additional SAR test Distance in mm
Back Side	15
Top Edge	15

Note:

When the proximity sensor is broken and out of functioning, the device will work according as the mechanism that the default power changes to the reduced power level, which is same as the proximity sensor works actively, so the device will remain at the compliance level (under 1.6 W/kg) according to the SAR test report.

10 TEST EXCLUSION CONSIDERATION

10.1 Tablet Mode antenna location sketch



10.2 SAR Test Exclusion Consideration Table

According with FCC KDB 447498 D01, Appendix A, <SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm> Table, this Device SAR test configurations consider as following :

WWAN Antenna(P-sensor On)

Band	Mode	Max. Peak Power		Test Position Configurations				
		dBm	mW	Back Side	Left Edge	Right Edge	Top Edge	Bottom Edge
Distance to User (mm)				<5.0	160	83	<5.0	215
WCDMA Band2	SAR Test Required							
	Exclusion Threshold			4.42	1209	439	4.42	1759
	RMC 12.2Kbps	12.00	15.85	Yes	No	No	Yes	No
	HSDPA Subtest-1	12.00	15.85	No	No	No	No	No
	HSDPA Subtest-2	12.00	15.85	No	No	No	No	No
	HSDPA Subtest-3	11.50	14.13	No	No	No	No	No
	HSDPA Subtest-4	11.50	14.13	No	No	No	No	No
	HSUPA Subtest-1	11.00	12.59	No	No	No	No	No
	HSUPA Subtest-2	9.00	7.94	No	No	No	No	No
	HSUPA Subtest-3	10.00	10.00	No	No	No	No	No
	HSUPA Subtest-4	9.00	7.94	No	No	No	No	No
	HSUPA Subtest-5	11.00	12.59	No	No	No	No	No
WCDMA Band4	SAR Test Required							
	Exclusion Threshold			4.23	1213	443	4.23	1763
	RMC 12.2Kbps	12.00	15.85	Yes	No	No	Yes	No
	HSDPA Subtest-1	12.00	15.85	No	No	No	No	No
	HSDPA Subtest-2	12.00	15.85	No	No	No	No	No
	HSDPA Subtest-3	12.00	15.85	No	No	No	No	No
	HSDPA Subtest-4	11.50	14.13	No	No	No	No	No
	HSUPA Subtest-1	11.50	14.13	No	No	No	No	No
	HSUPA Subtest-2	9.00	7.94	No	No	No	No	No
	HSUPA Subtest-3	10.00	10.00	No	No	No	No	No
	HSUPA Subtest-4	9.00	7.94	No	No	No	No	No
	HSUPA Subtest-5	11.00	12.59	No	No	No	No	No
WCDMA Band5	SAR Test Required							
	Exclusion Threshold			9.2	783	349	9.2	1094
	RMC 12.2Kbps	17.00	50.12	Yes	No	No	Yes	No

	HSDPA Subtest-1	17.00	50.12	No	No	No	No	No
	HSDPA Subtest-2	17.00	50.12	No	No	No	No	No
	HSDPA Subtest-3	17.00	50.12	No	No	No	No	No
	HSDPA Subtest-4	17.00	50.12	No	No	No	No	No
	HSUPA Subtest-1	17.00	50.12	No	No	No	No	No
	HSUPA Subtest-2	17.00	50.12	No	No	No	No	No
	HSUPA Subtest-3	17.00	50.12	No	No	No	No	No
	HSUPA Subtest-4	17.00	50.12	No	No	No	No	No
	HSUPA Subtest-5	17.00	50.12	No	No	No	No	No
LTE Band2	SAR Test Required							
	Exclusion Threshold			4.97	1209	439	4.97	1759
	RMC	12.50	17.78	Yes	No	No	Yes	No
LTE Band4	SAR Test Required							
	Exclusion Threshold			4.77	1213	443	4.77	1763
	RMC	12.50	17.78	Yes	No	No	Yes	No
LTE Band5	SAR Test Required							
	Exclusion Threshold			8.29	785	349	8.29	1096
	RMC	16.50	44.67	Yes	No	No	Yes	No
LTE Band7	SAR Test Required							
	Exclusion Threshold			4.49	1194	424	4.49	1744
	RMC	11.50	14.13	Yes	No	No	Yes	No
LTE Band12	SAR Test Required							
	Exclusion Threshold			8.46	702	335	8.46	964
	RMC	17.00	50.12	Yes	No	No	Yes	No
LTE Band13	SAR Test Required							
	Exclusion Threshold			7.97	744	342	7.97	1032
	RMC	16.50	44.67	Yes	No	No	Yes	No
LTE Band26	SAR Test Required							
	Exclusion Threshold			8.29	785	349	8.29	1096
	RMC	16.50	44.67	Yes	No	No	Yes	No
LTE Band30	SAR Test Required							
	Exclusion Threshold			4.49	1194	424	4.49	1744
	RMC	11.50	14.13	Yes	No	No	Yes	No
LTE Band41	SAR Test Required							
	Exclusion Threshold			4.59	1191	421	4.59	1741
	RMC	11.50	14.13	Yes	No	No	Yes	No
LTE Band66	SAR Test Required							
	Exclusion Threshold			4.77	1213	443	4.77	1763
	RMC	12.50	17.78	Yes	No	No	Yes	No

WWAN Antenna(P-sensor Off)

Band	Mode	Max. Peak Power		Test Position Configurations				
		dBm	mW	Back Side	Left Edge	Right Edge	Top Edge	Bottom Edge
Distance to User (mm)				< 5.0	160	83	< 5.0	215
WCDMA Band2	SAR Test Required							
	Exclusion Threshold			69.3	1209	439	69.3	1759
	RMC 12.2Kbps	24.00	251.19	Yes	No	No	Yes	No
	HSDPA Subtest-1	24.00	251.19	No	No	No	No	No
	HSDPA Subtest-2	24.00	251.19	No	No	No	No	No
	HSDPA Subtest-3	23.50	223.87	No	No	No	No	No
	HSDPA Subtest-4	23.50	223.87	No	No	No	No	No
	HSUPA Subtest-1	23.00	199.53	No	No	No	No	No
	HSUPA Subtest-2	21.00	125.89	No	No	No	No	No
	HSUPA Subtest-3	22.00	158.49	No	No	No	No	No
	HSUPA Subtest-4	21.00	125.89	No	No	No	No	No
	HSUPA Subtest-5	23.00	199.53	No	No	No	No	No
WCDMA Band4	SAR Test Required							
	Exclusion Threshold			66.4	1213	443	66.4	1763
	RMC 12.2Kbps	24.00	251.19	Yes	No	No	Yes	No
	HSDPA Subtest-1	24.00	251.19	No	No	No	No	No
	HSDPA Subtest-2	24.00	251.19	No	No	No	No	No
	HSDPA Subtest-3	24.00	251.19	No	No	No	No	No
	HSDPA Subtest-4	23.50	223.87	No	No	No	No	No
	HSUPA Subtest-1	23.50	223.87	No	No	No	No	No
	HSUPA Subtest-2	21.00	125.89	No	No	No	No	No
	HSUPA Subtest-3	22.00	158.49	No	No	No	No	No
	HSUPA Subtest-4	21.00	125.89	No	No	No	No	No
	HSUPA Subtest-5	23.00	199.53	No	No	No	No	No
WCDMA Band5	SAR Test Required							
	Exclusion Threshold			46.2	783	349	46.2	1094
	RMC 12.2Kbps	24.00	251.19	Yes	No	No	Yes	No
	HSDPA Subtest-1	24.00	251.19	No	No	No	No	No
	HSDPA Subtest-2	24.00	251.19	No	No	No	No	No
	HSDPA Subtest-3	24.00	251.19	No	No	No	No	No

	HSDPA Subtest-4	24.00	251.19	No	No	No	No	No
	HSUPA Subtest-1	24.00	251.19	No	No	No	No	No
	HSUPA Subtest-2	22.00	158.49	No	No	No	No	No
	HSUPA Subtest-3	23.00	199.53	No	No	No	No	No
	HSUPA Subtest-4	22.00	158.49	No	No	No	No	No
	HSUPA Subtest-5	24.00	251.19	No	No	No	No	No
LTE Band2	SAR Test Required							
	Exclusion Threshold			61.9	1209	439	61.9	1759
	RMC	23.50	223.87	Yes	No	No	Yes	No
LTE Band4	SAR Test Required							
	Exclusion Threshold			59.33	1213	443	59.33	1763
	RMC	23.50	223.87	Yes	No	No	Yes	No
LTE Band5	SAR Test Required							
	Exclusion Threshold			41.25	785	349	41.25	1096
	RMC	23.50	223.87	Yes	No	No	Yes	No
LTE Band7	SAR Test Required							
	Exclusion Threshold			71.82	1194	424	71.81	1744
	RMC	23.50	223.87	Yes	No	No	Yes	No
LTE Band12	SAR Test Required							
	Exclusion Threshold			37.88	702	335	37.88	964
	RMC	23.50	223.87	Yes	No	No	Yes	No
LTE Band13	SAR Test Required							
	Exclusion Threshold			39.67	744	342	39.67	1032
	RMC	23.50	223.87	Yes	No	No	Yes	No
LTE Band26	SAR Test Required							
	Exclusion Threshold			41.25	785	349	41.25	1096
	RMC	23.50	223.87	Yes	No	No	Yes	No
LTE Band30	SAR Test Required							
	Exclusion Threshold			71.82	1194	424	71.81	1744
	RMC	23.50	223.87	Yes	No	No	Yes	No
LTE Band41	SAR Test Required							
	Exclusion Threshold			73.45	1191	421	73.45	1741
	RMC	23.50	223.87	Yes	No	No	Yes	No
LTE Band66	SAR Test Required							
	Exclusion Threshold			59.33	1213	443	59.33	1763
	RMC	23.50	223.87	Yes	No	No	Yes	No

Note:

1. Maximum power is the source-based time-average power and represents the maximum RF output power including tune-up tolerance among production units
2. Per KDB 447498 D01, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
3. Per KDB 447498 D01, standalone SAR test exclusion threshold is applied; If the distance of the antenna to the user is < 5mm, 5mm is used to determine SAR exclusion threshold
4. Per KDB 447498 D01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$
 - a. $f(\text{GHz})$ is the RF channel transmit frequency in GHz
 - b. Power and distance are rounded to the nearest mW and mm before calculation
 - c. The result is rounded to one decimal place for comparison
 - d. For < 50 mm distance, we just calculate mW of the exclusion threshold value (3.0) to do compare.

This formula is $[3.0] / [\sqrt{f(\text{GHz})}] \cdot [(\text{min. test separation distance, mm})] = \text{exclusion threshold of mW}$.
5. Per KDB 447498 D01, at 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following
 - a. $[\text{Threshold at 50 mm in step 1}) + (\text{test separation distance} - 50 \text{ mm}) \cdot (f(\text{MHz})/150)] \text{ mW}$, at 100 MHz to 1500 MHz
 - b. $[\text{Threshold at 50 mm in step 1}) + (\text{test separation distance} - 50 \text{ mm}) \cdot 10] \text{ mW}$ at > 1500 MHz and ≤ 6 GHz
6. Per KDB 941225 D01, RMC 12.2kbps setting is used to evaluate SAR. If HSDPA /HSUPA /DC-HSDPA output power is < 0.25dB higher than RMC12.2Kbps, or reported SAR with RMC 12.2kbps setting is $\leq 1.2\text{W/kg}$, HSDPA/HSUPA/DC-HSDPA SAR evaluation can be excluded.
7. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion.8. For each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of these configurations is less than 1/4dB higher than those measured at the lowest data rate

11 TEST RESULT

11.1 WCDMA Band 2

Mode	Test Mode	SAR Power Back-of f	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body														
RMC	Tablet	On	South Star	Back Side	0	9538	1907.6	0.06	0.611	11.65	12.00	1.084	0.662	1#
					0	9262	1852.4	0.02	0.519	11.30	12.00	1.175	0.610	/
					0	9400	1880.0	0.02	0.550	11.27	12.00	1.183	0.651	/
				Top Edge	0	9538	1907.6	0.09	0.180	11.65	12.00	1.084	0.195	/
		Off	South Star	Back Side	15	9538	1907.6	0.11	0.579	23.86	24.00	1.033	0.598	/
					15	9262	1852.4	0.11	0.575	23.48	24.00	1.127	0.648	/
					15	9400	1880.0	0.02	0.591	23.52	24.00	1.117	0.660	2#
				Right Edge	0	9538	1907.6	-0.05	0.168	23.86	24.00	1.033	0.174	/
				Top Edge	15	9538	1907.6	0.00	0.352	23.86	24.00	1.033	0.364	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.2 WCDMA Band 4

Mode	Test Mode	SAR Power Back-of f	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body														
RMC	Tablet	On	South Star	Back Side	0	1412	1732.4	0.08	0.488	11.42	12.00	1.143	0.558	/
					0	1312	1712.4	-0.05	0.481	11.37	12.00	1.156	0.556	/
					0	1513	1752.6	0.08	0.507	11.36	12.00	1.159	0.588	3#
				Top Edge	0	1412	1732.4	0.02	0.212	11.42	12.00	1.143	0.242	/
		Off	South Star	Back Side	15	1513	1752.6	0.03	0.543	23.71	24.00	1.069	0.580	4#
					15	1312	1712.4	0.01	0.485	23.53	24.00	1.114	0.540	/
					15	1412	1732.4	0.05	0.505	23.67	24.00	1.079	0.545	/
				Right Edge	0	1513	1752.6	-0.07	0.123	23.71	24.00	1.069	0.131	/
				Top Edge	15	1513	1752.6	0.06	0.299	23.71	24.00	1.069	0.320	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.3WCDMA Band 5

Mode	Test Mode	SAR Power Back-of f	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body														
RMC	Tablet	On	South Star	Back Side	0	4182	836.4	0.08	0.619	16.61	17.00	1.094	0.677	/
					0	4132	826.4	0.04	0.619	16.61	17.00	1.094	0.677	/
					0	4233	846.6	0.05	0.598	16.43	17.00	1.140	0.682	5#
				Top Edge	0	4182	836.4	-0.13	0.432	16.52	17.00	1.117	0.483	/
		Off	South Star	Back Side	15	4182	836.4	0.17	0.429	23.77	24.00	1.054	0.452	/
					15	4132	826.4	0.00	0.342	23.74	24.00	1.062	0.363	/
					15	4233	846.6	0.03	0.445	23.59	24.00	1.099	0.489	6#
				Left Edge	0	4182	836.4	0.05	0.058	23.77	24.00	1.054	0.061	/
				Right Edge	0	4182	836.4	0.01	0.123	23.77	24.00	1.054	0.130	/
				Top Edge	15	4182	836.4	0.20	0.246	23.77	24.00	1.054	0.259	/
				Bottom Edge	0	4182	836.4	-0.17	0.008	23.77	24.00	1.054	0.008	/
				Note: Refer to ANNEX C for the detailed test data for each test configuration.										

11.4LTE Band 2 (20MHz Bandwidth)

Mode	Test Mode	SAR Power Back-off	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
QPSK	Tablet	On	South Star	Back Side	0	19100	1900	1	High	0.03	0.613	12.33	12.50	1.040	0.638	/
					0	18700	1860	1	Low	0.11	0.575	11.81	12.50	1.172	0.674	7#
					0	18900	1880	1	High	-0.12	0.579	11.99	12.50	1.125	0.651	/
					0	19100	1900	50	High	-0.10	0.469	11.22	12.00	1.197	0.561	/
				Top Edge	0	19100	1900	1	High	0.08	0.199	12.33	12.50	1.040	0.207	/
					0	19100	1900	50	High	-0.09	0.156	11.22	12.00	1.197	0.187	/
		Off	South Star	Back Side	15	19100	1900	1	High	0.07	0.602	23.35	23.50	1.035	0.623	/
					15	18700	1860	1	High	-0.12	0.576	23.03	23.50	1.114	0.642	8#
					15	18900	1880	1	High	0.04	0.584	23.12	23.50	1.091	0.637	/
					15	19100	1900	50	High	0.01	0.501	23.35	23.50	1.035	0.519	/
				Right Edge	0	19100	1900	1	High	0.19	0.140	23.35	23.50	1.035	0.145	/
					0	19100	1900	50	High	-0.11	0.101	23.35	23.50	1.035	0.105	/
				Top Edge	15	19100	1900	1	High	0.02	0.276	23.35	23.50	1.035	0.286	/
					15	19100	1900	50	High	0.05	0.222	23.35	23.50	1.035	0.230	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.5LTE Band 4 (20MHz Bandwidth)

Mode	Test Mode	SAR Power Back-off	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
QPSK	Tablet	On	South Star	Back Side	0	20300	1745	1	High	0.06	0.554	12.23	12.50	1.064	0.589	/
					0	20050	1720	1	High	0.19	0.527	11.91	12.50	1.146	0.604	9#
					0	20175	1732.5	1	Low	-0.11	0.537	12.11	12.50	1.094	0.587	/
					0	20300	1745	50	High	-0.17	0.432	11.02	12.00	1.253	0.541	/
				Top Edge	0	20300	1745	1	High	0.00	0.237	12.23	12.50	1.064	0.252	/
					0	20300	1745	50	High	-0.06	0.183	11.02	12.00	1.253	0.229	/
		Off	South Star	Back Side	15	20050	1720	1	High	-0.01	0.517	23.28	23.50	1.052	0.544	10#
					15	20175	1732.5	1	Mid.	0.06	0.490	23.24	23.50	1.062	0.520	/
					15	20300	1745	1	High	0.17	0.483	23.17	23.50	1.079	0.521	/
					15	20050	1720	50	Low	0.09	0.393	22.20	23.00	1.202	0.472	/
				Right Edge	0	20050	1720	1	High	-0.17	0.094	23.28	23.50	1.052	0.099	/
					0	20050	1720	50	Low	0.02	0.078	22.20	23.00	1.202	0.094	/
				Top Edge	15	20050	1720	1	High	-0.06	0.282	23.28	23.50	1.052	0.297	/
					15	20050	1720	50	Low	0.16	0.240	22.20	23.00	1.202	0.288	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.6LTE Band 5 (10MHz Bandwidth)

Mode	Test Mode	SAR Power Back-off	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
QPSK	Tablet	On	South Star	Back Side	0	20525	836.5	1	High	0.04	0.521	16.11	16.50	1.094	0.570	/
					0	20450	829	1	Low	-0.01	0.567	16.05	16.50	1.109	0.629	11#
					0	20600	844	1	Low	-0.02	0.554	16.01	16.50	1.119	0.620	/
					0	20525	836.5	25	High	-0.18	0.437	15.01	15.50	1.119	0.489	/
				Top Edge	0	20525	836.5	1	High	0.12	0.439	16.11	16.50	1.094	0.480	/
					0	20525	836.5	25	High	0.14	0.367	15.01	15.50	1.119	0.411	/
		Off	South Star	Back Side	15	20450	829	1	Low	0.06	0.299	23.30	23.50	1.047	0.313	/
					15	20525	836.5	1	High	-0.08	0.235	23.09	23.50	1.099	0.258	/
					15	20600	844	1	Low	0.16	0.276	22.90	23.50	1.148	0.317	12#
					15	20450	829	25	Low	0.09	0.273	22.15	22.50	1.084	0.296	/
				Left Edge	0	20450	829	1	Low	0.04	0.035	23.30	23.50	1.047	0.037	/
					0	20450	829	25	Low	-0.14	0.028	22.15	22.50	1.084	0.030	/
				Right Edge	0	20450	829	1	Low	-0.14	0.095	23.30	23.50	1.047	0.099	/
					0	20450	829	25	Low	-0.13	0.071	22.15	22.50	1.084	0.077	/
				Top Edge	15	20450	829	1	Low	0.12	0.186	23.30	23.50	1.047	0.195	/
					15	20450	829	25	Low	0.02	0.159	22.15	22.50	1.084	0.172	/
				Bottom Edge	0	20450	829	1	Low	0.03	0.009	23.30	23.50	1.047	0.009	/
					0	20450	829	25	Low	-0.11	0.007	22.15	22.50	1.084	0.008	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.7LTE Band 7 (20MHz Bandwidth)

Mode	Test Mode	SAR Power Back-off	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
QPSK	Tablet	On	South Star	Back Side	0	21350	2560	1	Mid.	0.04	0.559	11.19	11.50	1.074	0.600	13#
					0	20850	2510	1	Low	-0.05	0.488	11.10	11.50	1.096	0.535	/
					0	21100	2535	1	High	0.03	0.511	11.05	11.50	1.109	0.567	/
					0	20850	2510	50	Low	-0.09	0.423	10.15	10.50	1.084	0.459	/
				Top Edge	0	21350	2560	1	Mid.	0.02	0.158	11.19	11.50	1.074	0.170	/
					0	20850	2510	50	Low	0.07	0.133	10.15	10.50	1.084	0.144	/
		Off	South Star	Back Side	15	20850	2510	1	Low	0.19	0.451	23.22	23.50	1.067	0.481	/
					15	21100	2535	1	Low	0.17	0.449	23.14	23.50	1.086	0.488	/
					15	21350	2560	1	Mid.	-0.08	0.494	22.94	23.50	1.138	0.562	14#
					15	20850	2510	50	Low	-0.18	0.380	22.19	22.50	1.074	0.408	/
				Right Edge	0	20850	2510	1	Low	0.00	0.090	23.22	23.50	1.067	0.096	/
					0	20850	2510	50	Low	-0.16	0.061	22.19	22.50	1.074	0.066	/
				Top Edge	15	20850	2510	1	Low	0.07	0.232	23.22	23.50	1.067	0.248	/
					15	20850	2510	50	Low	-0.08	0.195	22.19	22.50	1.074	0.209	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.8LTE Band 12 (10MHz Bandwidth)

Mode	Test Mode	SAR Power Back-off	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
QPSK	Tablet	On	South Star	Back Side	0	23130	711	1	High	-0.05	0.402	16.21	17.00	1.199	0.482	/
					0	23060	704	1	High	0.09	0.401	16.05	17.00	1.245	0.499	15#
					0	23095	707.5	1	Mid.	-0.18	0.402	16.13	17.00	1.222	0.491	/
					0	23060	704	25	Mid.	-0.15	0.332	15.16	16.00	1.213	0.403	/
				Top Edge	0	23130	711	1	High	0.01	0.211	16.21	17.00	1.199	0.253	/
					0	23060	704	25	Mid.	0.15	0.170	15.16	16.00	1.213	0.206	/
		Off	South Star	Back Side	15	23095	707.5	1	Low	0.09	0.312	22.74	23.50	1.191	0.372	16#
					15	23060	704	1	Low	0.08	0.298	22.73	23.50	1.194	0.356	/
					15	23130	711	1	High	0.05	0.285	22.62	23.50	1.225	0.349	/
					15	23060	704	25	Low	-0.08	0.249	21.84	22.50	1.164	0.290	/
				Left Edge	0	23095	707.5	1	Low	0.04	0.042	22.74	23.50	1.191	0.050	/
					0	23060	704	25	Low	0.08	0.035	21.84	22.50	1.164	0.041	/
				Right Edge	0	23095	707.5	1	Low	-0.10	0.118	22.74	23.50	1.191	0.141	/
					0	23060	704	25	Low	0.14	0.094	21.84	22.50	1.164	0.109	/
				Top Edge	15	23095	707.5	1	Low	-0.18	0.077	22.74	23.50	1.191	0.092	/
					15	23060	704	25	Low	0.07	0.063	21.84	22.50	1.164	0.073	/
				Bottom Edge	0	23095	707.5	1	Low	0.01	0.007	22.74	23.50	1.191	0.008	/
					0	23060	704	25	Low	0.09	0.005	21.84	22.50	1.164	0.006	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.9LTE Band 13 (10MHz Bandwidth)

Mode	Test Mode	SAR Power Back-off	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
QPSK	Tablet	On	South Star	Back Side	0	23230	782	1	High	0.08	0.446	15.81	16.50	1.172	0.523	17#
					0	23230	782	25	Low	0.09	0.373	14.69	15.50	1.205	0.449	/
				Top Edge	0	23230	782	1	High	0.05	0.278	15.81	16.50	1.172	0.326	/
					0	23230	782	25	Low	0.01	0.228	14.69	15.50	1.205	0.275	/
		Off	South Star	Back Side	15	23230	782	1	High	0.07	0.217	22.98	23.50	1.127	0.245	18#
					15	23230	782	25	Low	0.13	0.183	21.91	22.50	1.146	0.210	/
				Left Edge	0	23230	782	1	High	0.02	0.037	22.98	23.50	1.127	0.042	/
					0	23230	782	25	Low	-0.11	0.028	21.91	22.50	1.146	0.032	/
				Right Edge	0	23230	782	1	High	0.12	0.096	22.98	23.50	1.127	0.108	/
					0	23230	782	25	Low	0.05	0.085	21.91	22.50	1.146	0.097	/
				Top Edge	15	23230	782	1	High	0.06	0.073	22.98	23.50	1.127	0.082	/
					15	23230	782	25	Low	0.12	0.063	21.91	22.50	1.146	0.072	/
				Bottom Edge	0	23230	782	1	High	0.05	0.008	22.98	23.50	1.127	0.009	/
					0	23230	782	25	Low	-0.14	0.005	21.91	22.50	1.146	0.006	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.10 LTE Band 26 (15MHz Bandwidth)

Mode	Test Mode	SAR Power Back-off	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
QPSK	Tablet	On	South Star	Back Side	0	26765	821.5	1	Mid.	-0.05	0.557	15.97	16.50	1.130	0.629	19#
					0	26865	831.5	1	High	0.15	0.538	15.95	16.50	1.135	0.611	/
					0	26965	841.5	1	Mid.	0.19	0.521	15.85	16.50	1.161	0.605	/
					0	26765	821.5	36	Low	0.13	0.427	15.01	15.50	1.119	0.478	/
				Top Edge	0	26765	821.5	1	Mid.	-0.01	0.444	15.97	16.50	1.130	0.502	/
					0	26765	821.5	36	Low	0.14	0.356	15.01	15.50	1.119	0.398	/
		Off	South Star	Back Side	15	26765	821.5	1	Mid.	0.13	0.277	23.14	23.50	1.086	0.301	/
					15	26865	831.5	1	High	0.19	0.248	22.82	23.50	1.169	0.290	/
					15	26965	841.5	1	Mid.	0.17	0.285	22.83	23.50	1.167	0.333	20#
					15	26765	821.5	36	Mid.	0.03	0.228	22.16	22.50	1.081	0.246	/
				Left Edge	0	26765	821.5	1	Mid.	0.05	0.058	23.14	23.50	1.086	0.063	/
					0	26765	821.5	36	Mid.	-0.14	0.049	22.16	22.50	1.081	0.053	/
				Right Edge	0	26765	821.5	1	Mid.	0.04	0.133	23.14	23.50	1.086	0.144	/
					0	26765	821.5	36	Mid.	0.18	0.108	22.16	22.50	1.081	0.117	/
				Top Edge	15	26765	821.5	1	Mid.	0.10	0.179	23.14	23.50	1.086	0.194	/
					15	26765	821.5	36	Mid.	0.07	0.149	22.16	22.50	1.081	0.161	/
				Bottom Edge	0	26765	821.5	1	Mid.	-0.10	0.011	23.14	23.50	1.086	0.012	/
					0	26765	821.5	36	Mid.	0.07	0.007	22.16	22.50	1.081	0.008	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.11 LTE Band 30 (10MHz Bandwidth)

Mode	Test Mode	SAR Power Back-off	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
QPSK	Tablet	On	South Star	Back Side	0	27710	2310	1	High	0.05	0.605	10.71	11.50	1.199	0.725	21#
					0	27710	2310	25	High	0.07	0.409	9.79	10.50	1.178	0.482	/
				Top Edge	0	27710	2310	1	High	0.15	0.172	10.71	11.50	1.199	0.206	/
					0	27710	2310	25	High	0.17	0.140	9.79	10.50	1.178	0.165	/
		Off	South Star	Back Side	15	27710	2310	1	Low	0.07	0.556	23.22	23.50	1.067	0.593	22#
					15	27710	2310	25	Mid.	0.05	0.452	22.15	22.50	1.084	0.490	/
				Right Edge	0	27710	2310	1	Low	0.07	0.084	23.22	23.50	1.067	0.090	/
					0	27710	2310	25	Mid.	0.09	0.067	22.15	22.50	1.084	0.073	/
				Top Edge	15	27710	2310	1	Low	-0.03	0.366	23.22	23.50	1.067	0.391	/
					15	27710	2310	25	Mid.	0.16	0.346	22.15	22.50	1.084	0.375	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.12 LTE Band 41 (20MHz Bandwidth)

Mode	Test Mode	SAR Power Back-off	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
QPSK	Tablet	On	South Star	Back Side	0	40620	2593	1	Mid.	0.05	0.401	11.48	11.50	1.005	0.403	/
					0	39750	2506	1	Mid.	0.09	0.310	11.44	11.50	1.014	0.314	/
					0	40185	2549.5	1	Mid.	0.09	0.352	11.37	11.50	1.030	0.363	/
					0	41055	2636.5	1	Mid.	0.09	0.406	11.27	11.50	1.054	0.428	23#
					0	41490	2680	1	High	0.02	0.277	11.46	11.50	1.009	0.279	/
					0	39750	2506	50	Mid.	-0.16	0.326	10.68	11.00	1.076	0.351	/
				Top Edge	0	40620	2593	1	Mid.	-0.05	0.105	11.48	11.50	1.005	0.106	/
					0	39750	2506	50	Mid.	0.09	0.106	10.68	11.00	1.076	0.114	/
		Off	South Star	Back Side	15	40620	2593	1	Mid.	-0.06	0.349	23.46	23.50	1.009	0.352	/
					15	39750	2506	1	Low	-0.15	0.269	23.34	23.50	1.038	0.279	/
					15	40185	2549.5	1	High	-0.02	0.280	23.24	23.50	1.062	0.297	/
					15	41055	2636.5	1	Low	-0.18	0.390	23.33	23.50	1.040	0.406	/
					15	41490	2680	1	Low	-0.18	0.369	22.85	23.50	1.161	0.428	24#
					15	41055	2636.5	50	Low	-0.02	0.334	22.27	22.50	1.054	0.352	/
				Right Edge	0	40620	2593	1	Mid.	0.06	0.076	23.46	23.50	1.009	0.077	/
					0	41055	2636.5	50	Low	0.09	0.057	22.27	22.50	1.054	0.060	/
				Top Edge	15	40620	2593	1	Mid.	0.04	0.223	23.46	23.50	1.009	0.225	/
					15	41055	2636.5	50	Low	0.05	0.181	22.27	22.50	1.054	0.191	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.13 LTE Band 66 (20MHz Bandwidth)

Mode	Test Mode	SAR Power Back-off	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
QPSK	Tablet	On	South Star	Back Side	0	132322	1745	1	High	0.07	0.549	12.21	12.50	1.069	0.587	/
					0	132072	1720	1	High	0.08	0.524	12.07	12.50	1.104	0.578	/
					0	132572	1770	1	Low	-0.17	0.565	11.80	12.50	1.175	0.664	25#
				Top Edge	0	132072	1720	50	Mid.	-0.13	0.425	10.95	11.50	1.135	0.482	/
					0	132322	1745	1	High	-0.14	0.222	12.21	12.50	1.069	0.237	/
					0	132072	1720	50	Mid.	0.19	0.174	10.95	11.50	1.135	0.197	/
		Off	South Star	Back Side	15	132072	1720	1	High	0.00	0.478	23.28	23.50	1.052	0.503	/
					15	132322	1745	1	High	0.12	0.474	23.16	23.50	1.081	0.512	/
					15	132572	1770	1	Low	0.15	0.500	23.08	23.50	1.102	0.551	26#
					15	132322	1745	50	High	0.19	0.387	22.13	22.50	1.089	0.421	/
				Right Edge	0	132072	1720	1	High	-0.07	0.105	23.28	23.50	1.052	0.110	/
					0	132322	1745	50	High	0.05	0.081	22.13	22.50	1.089	0.088	/
				Top Edge	15	132072	1720	1	High	-0.11	0.361	23.28	23.50	1.052	0.380	/
					15	132322	1745	50	High	-0.15	0.320	22.13	22.50	1.089	0.348	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

12 SAR Measurement Variability

According to KDB 865664 D01, SAR measurement variability was assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. Alternatively, if the highest measured SAR for both head and body tissue-equivalent media are ≤ 1.45 W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is ≤ 1.10 , the highest SAR configuration for either head or body tissue-equivalent medium may be used to perform the repeated measurement. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR repeated measurement procedure:

1. When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
2. When the highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
3. If the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 , or when the original or repeated measurement is ≥ 1.45 W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 , and the original, first or second repeated measurement is ≥ 1.5 W/kg, perform a third repeated measurement.

Note: For 1g SAR, the highest measured 1g SAR is $0.725 < 0.80$ W/kg, repeated measurement is not required.

13 SIMULTANEOUS TRANSMISSION

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. When the sum of SAR 1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR 1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR 1g is greater than the SAR limit (SAR 1g 1.6 W/kg), SAR test exclusion is determined by the SAR to Peak Location Ratio (SPLSR).

13.1 Simultaneous Transmission Mode Consider

NO.	Mode	WWAN & 2.4G WLAN & 5G WLAN & Bluetooth
		Body
1	WCDMA	+ WLAN 2.4GHz Main) + WLAN 2.4GHz (Aux)
2	WCDMA	+ WLAN 2.4GHz Main) + Bluetooth
3	WCDMA	+ WLAN 5GHz Main) + WLAN 5GHz (Aux) + Bluetooth
4	LTE	+ WLAN 2.4GHz Main) + WLAN 2.4GHz (Aux)
5	LTE	+ WLAN 2.4GHz Main) + Bluetooth
6	LTE	+ WLAN 5GHz Main) + WLAN 5GHz (Aux) + Bluetooth
Note: 1. The Auxiliary Antenna supports TX/RX function for WLAN and Bluetooth, and the Main Antenna supports TX/RX function for WLAN. 2. 2.4G WLAN and 5G WLAN does not support transmission together.		

13.2 Sum SAR of Simultaneous Transmission

Note: This test report only records the test results of the WWAN SAR, the test data of WLAN SAR, please refer to test report FCC ID: PD99560D2, which is issued by Intel Mobile Communication.

Test Mode	Conditions	Position	Max. 1g SAR
WLAN 2.4GHz	WLAN 2.4GHz(Main)	Back Side 0mm	0.800
		Left Edge 0mm	0.120
		Right Edge 0mm	0.400
		Top Edge 0mm	0.190
	WLAN 2.4GHz(Aux)	Back Side 0mm	1.450
		Left Edge 0mm	0.400
		Right Edge 0mm	0.110
		Top Edge 0mm	0.110
WLAN 5GHz	WLAN 5GHz(Main)	Back Side 0mm	1.130
		Left Edge 0mm	0.090
		Right Edge 0mm	0.400
		Top Edge 0mm	0.980
	WLAN 5GHz(Aux)	Back Side 0mm	1.500
		Left Edge 0mm	0.400
		Right Edge 0mm	0.110
		Top Edge 0mm	1.050
Bluetooth	Bluetooth	Back Side 0mm	0.430
		Left Edge 0mm	0.400
		Right Edge 0mm	0.000
		Top Edge 0mm	0.020

13.2.1 Sum Body SAR of Simultaneous Transmission

Test Mode	Conditions (SAR1+SAR2+SAR3)	Position	WWAN Max. 1g SAR	WLAN (Main) Max. 1g SAR	WLAN (Aux) Max. 1g SAR	BT (Aux) Max. 1g SAR	1g Sum SAR	SPLSR	
			(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(Yes/No)	
Body									
Tablet	WCDMA Band 2 +WLAN 2.4GHz(Main) +WLAN 2.4GHz(Aux)	Back Side	0.662	0.800	1.450	/	2.912	Yes	
		Top Edge	0.195	0.190	0.110	/	0.495	No	
		Left Edge	0.400	0.120	0.400	/	0.920	No	
		Right Edge	0.174	0.400	0.110	/	0.684	No	
	WCDMA Band 2 +WLAN 2.4GHz(Main) +Bluetooth	Back Side	0.662	0.800	/	0.430	1.892	Yes	
		Top Edge	0.195	0.190	/	0.020	0.405	No	
		Left Edge	0.400	0.120	/	0.400	0.920	No	
		Right Edge	0.174	0.400	/	0.000	0.574	No	
	WCDMA Band 2 +WLAN 5GHz(Main) +WLAN 5GHz(Aux) +Bluetooth	Back Side	0.662	1.130	1.500	0.430	3.722	Yes	
		Top Edge	0.195	0.980	1.050	0.020	2.245	Yes	
		Left Edge	0.400	0.090	0.400	0.400	1.290	No	
		Right Edge	0.174	0.400	0.110	0.000	0.684	No	
	Tablet	WCDMA Band 4 +WLAN 2.4GHz(Main) +WLAN 2.4GHz(Aux)	Back Side	0.588	0.800	1.450	/	2.838	Yes
			Top Edge	0.242	0.190	0.110	/	0.542	No
			Left Edge	0.400	0.120	0.400	/	0.920	No
			Right Edge	0.131	0.400	0.110	/	0.641	No
WCDMA Band 4 +WLAN 2.4GHz(Aux) +Bluetooth		Back Side	0.588	0.800	/	0.430	1.818	Yes	
		Top Edge	0.242	0.190	/	0.020	0.452	No	
		Left Edge	0.400	0.120	/	0.400	0.920	No	
		Right Edge	0.131	0.400	/	0.000	0.531	No	
WCDMA Band 4 +WLAN 5GHz(Main) +WLAN 5GHz(Aux) +Bluetooth		Back Side	0.588	1.130	1.500	0.430	3.648	Yes	
		Top Edge	0.242	0.980	1.050	0.020	2.292	Yes	
		Left Edge	0.400	0.090	0.400	0.400	1.290	No	
		Right Edge	0.131	0.400	0.110	0.000	0.641	No	
Tablet	WCDMA Band 5 +WLAN 2.4GHz(Main) +WLAN 2.4GHz(Aux)	Back Side	0.682	0.800	1.450	/	2.932	Yes	
		Top Edge	0.483	0.190	0.110	/	0.783	No	
		Bottom Edge	0.008	0.400	0.400	/	0.808	No	
		Left Edge	0.061	0.120	0.400	/	0.581	No	
		Right Edge	0.130	0.400	0.110	/	0.640	No	
	WCDMA Band 5	Back Side	0.682	0.800	/	0.430	1.912	Yes	

	+WLAN 2.4GHz(Aux) +Bluetooth	Top Edge	0.483	0.190	/	0.020	0.693	No
		Bottom Edge	0.008	0.400	/	0.400	0.808	No
		Left Edge	0.061	0.120	/	0.400	0.581	No
		Right Edge	0.130	0.400	/	0.000	0.530	No
	WCDMA Band 5 +WLAN 5GHz(Main) +WLAN 5GHz(Aux) +Bluetooth	Back Side	0.682	1.130	1.500	0.430	3.742	Yes
		Top Edge	0.483	0.980	1.050	0.020	2.533	Yes
		Bottom Edge	0.008	0.400	0.400	0.400	1.208	No
		Left Edge	0.061	0.090	0.400	0.400	0.951	No
		Right Edge	0.130	0.400	0.110	0.000	0.640	No
Tablet	LTE Band 2 +WLAN 2.4GHz(Main) +WLAN 2.4GHz(Aux)	Back Side	0.674	0.800	1.450	/	2.924	Yes
		Top Edge	0.207	0.190	0.110	/	0.507	No
		Left Edge	0.400	0.120	0.400	/	0.920	No
		Right Edge	0.145	0.400	0.110	/	0.655	No
	LTE Band 2 +WLAN 2.4GHz(Aux) +Bluetooth	Back Side	0.674	0.800	/	0.430	1.904	Yes
		Top Edge	0.207	0.190	/	0.020	0.417	No
		Left Edge	0.400	0.120	/	0.400	0.920	No
		Right Edge	0.145	0.400	/	0.000	0.545	No
	LTE Band 2 +WLAN 5GHz(Main) +WLAN 5GHz(Aux) +Bluetooth	Back Side	0.674	1.130	1.500	0.430	3.734	Yes
		Top Edge	0.207	0.980	1.050	0.020	2.257	Yes
		Left Edge	0.400	0.090	0.400	0.400	1.290	No
		Right Edge	0.145	0.400	0.110	0.000	0.655	No
Tablet	LTE Band 4 +WLAN 2.4GHz(Main) +WLAN 2.4GHz(Aux)	Back Side	0.604	0.800	1.450	/	2.854	Yes
		Top Edge	0.252	0.190	0.110	/	0.552	No
		Left Edge	0.400	0.120	0.400	/	0.920	No
		Right Edge	0.099	0.400	0.110	/	0.609	No
	LTE Band 4 +WLAN 2.4GHz(Aux) +Bluetooth	Back Side	0.604	0.800	/	0.430	1.834	Yes
		Top Edge	0.252	0.190	/	0.020	0.462	No
		Left Edge	0.400	0.120	/	0.400	0.920	No
		Right Edge	0.099	0.400	/	0.000	0.499	No
	LTE Band 4 +WLAN 5GHz(Main) +WLAN 5GHz(Aux) +Bluetooth	Back Side	0.604	1.130	1.500	0.430	3.664	Yes
		Top Edge	0.252	0.980	1.050	0.020	2.302	Yes
		Left Edge	0.400	0.090	0.400	0.400	1.290	No
		Right Edge	0.099	0.400	0.110	0.000	0.609	No
Tablet	LTE Band 5 +WLAN 2.4GHz(Main) +WLAN 2.4GHz(Aux)	Back Side	0.629	0.800	1.450	/	2.879	Yes
		Top Edge	0.480	0.190	0.110	/	0.780	No
		Bottom Edge	0.009	0.400	0.400	/	0.809	No
		Left Edge	0.037	0.120	0.400	/	0.557	No

	LTE Band 5 +WLAN 2.4GHz(Aux) +Bluetooth	Right Edge	0.099	0.400	0.110	/	0.609	No
		Back Side	0.629	0.800	/	0.430	1.859	Yes
		Top Edge	0.480	0.190	/	0.020	0.690	No
		Bottom Edge	0.009	0.400	/	0.400	0.809	No
		Left Edge	0.037	0.120	/	0.400	0.557	No
		Right Edge	0.099	0.400	/	0.000	0.499	No
	LTE Band 5 +WLAN 5GHz(Main) +WLAN 5GHz(Aux) +Bluetooth	Back Side	0.629	1.130	1.500	0.430	3.689	Yes
		Top Edge	0.480	0.980	1.050	0.020	2.530	Yes
		Bottom Edge	0.009	0.400	0.400	0.400	1.209	No
		Left Edge	0.037	0.090	0.400	0.400	0.927	No
		Right Edge	0.099	0.400	0.110	0.000	0.609	No
Tablet	LTE Band 7 +WLAN 2.4GHz(Main) +WLAN 2.4GHz(Aux)	Back Side	0.600	0.800	1.450	/	2.850	Yes
		Top Edge	0.170	0.190	0.110	/	0.470	No
		Left Edge	0.400	0.120	0.400	/	0.920	No
		Right Edge	0.096	0.400	0.110	/	0.606	No
	LTE Band 7 +WLAN 2.4GHz(Aux) +Bluetooth	Back Side	0.600	0.800	/	0.430	1.830	Yes
		Top Edge	0.170	0.190	/	0.020	0.380	No
		Left Edge	0.400	0.120	/	0.400	0.920	No
		Right Edge	0.096	0.400	/	0.000	0.496	No
	LTE Band 7 +WLAN 5GHz(Main) +WLAN 5GHz(Aux) +Bluetooth	Back Side	0.600	1.130	1.500	0.430	3.660	Yes
		Top Edge	0.170	0.980	1.050	0.020	2.220	Yes
		Left Edge	0.400	0.090	0.400	0.400	1.290	No
		Right Edge	0.096	0.400	0.110	0.000	0.606	No
Tablet	LTE Band 12 +WLAN 2.4GHz(Main) +WLAN 2.4GHz(Aux)	Back Side	0.499	0.800	1.450	/	2.749	Yes
		Top Edge	0.253	0.190	0.110	/	0.553	No
		Bottom Edge	0.009	0.400	0.400	/	0.809	No
		Left Edge	0.050	0.120	0.400	/	0.570	No
		Right Edge	0.141	0.400	0.110	/	0.651	No
	LTE Band 12 +WLAN 2.4GHz(Aux) +Bluetooth	Back Side	0.499	0.800	/	0.430	1.729	Yes
		Top Edge	0.253	0.190	/	0.020	0.463	No
		Bottom Edge	0.009	0.400	/	0.400	0.809	No
		Left Edge	0.050	0.120	/	0.400	0.570	No
		Right Edge	0.141	0.400	/	0.000	0.541	No
	LTE Band 12 +WLAN 5GHz(Main) +WLAN 5GHz(Aux) +Bluetooth	Back Side	0.499	1.130	1.500	0.430	3.559	Yes
		Top Edge	0.253	0.980	1.050	0.020	2.303	Yes
		Bottom Edge	0.009	0.400	0.400	0.400	1.209	No
		Left Edge	0.050	0.090	0.400	0.400	0.940	No

		Right Edge	0.141	0.400	0.110	0.000	0.651	No
Tablet	LTE Band 13 +WLAN 2.4GHz(Main) +WLAN 2.4GHz(Aux)	Back Side	0.523	0.800	1.450	/	2.773	Yes
		Top Edge	0.326	0.190	0.110	/	0.626	No
		Bottom Edge	0.009	0.400	0.400	/	0.809	No
		Left Edge	0.042	0.120	0.400	/	0.562	No
		Right Edge	0.108	0.400	0.110	/	0.618	No
	LTE Band 13 +WLAN 2.4GHz(Aux) +Bluetooth	Back Side	0.523	0.800	/	0.430	1.753	Yes
		Top Edge	0.326	0.190	/	0.020	0.536	No
		Bottom Edge	0.009	0.400	/	0.400	0.809	No
		Left Edge	0.042	0.120	/	0.400	0.562	No
		Right Edge	0.108	0.400	/	0.000	0.508	No
	LTE Band 13 +WLAN 5GHz(Main) +WLAN 5GHz(Aux) +Bluetooth	Back Side	0.523	1.130	1.500	0.430	3.583	Yes
		Top Edge	0.326	0.980	1.050	0.020	2.376	Yes
		Bottom Edge	0.009	0.400	0.400	0.400	1.209	No
		Left Edge	0.042	0.090	0.400	0.400	0.932	No
		Right Edge	0.108	0.400	0.110	0.000	0.618	No
Tablet	LTE Band 26 +WLAN 2.4GHz(Main) +WLAN 2.4GHz(Aux)	Back Side	0.629	0.800	1.450	/	2.879	Yes
		Top Edge	0.502	0.190	0.110	/	0.802	No
		Bottom Edge	0.009	0.400	0.400	/	0.809	No
		Left Edge	0.063	0.120	0.400	/	0.583	No
		Right Edge	0.144	0.400	0.110	/	0.654	No
	LTE Band 26 +WLAN 2.4GHz(Aux) +Bluetooth	Back Side	0.629	0.800	/	0.430	1.859	Yes
		Top Edge	0.502	0.190	/	0.020	0.712	No
		Bottom Edge	0.009	0.400	/	0.400	0.809	No
		Left Edge	0.063	0.120	/	0.400	0.583	No
		Right Edge	0.144	0.400	/	0.000	0.544	No
	LTE Band 26 +WLAN 5GHz(Main) +WLAN 5GHz(Aux) +Bluetooth	Back Side	0.629	1.130	1.500	0.430	3.689	Yes
		Top Edge	0.502	0.980	1.050	0.020	2.552	Yes
		Bottom Edge	0.009	0.400	0.400	0.400	1.209	No
		Left Edge	0.063	0.090	0.400	0.400	0.953	No
		Right Edge	0.144	0.400	0.110	0.000	0.654	No
Tablet	LTE Band 30 +WLAN 2.4GHz(Main) +WLAN 2.4GHz(Aux)	Back Side	0.725	0.800	1.450	/	2.975	Yes
		Top Edge	0.206	0.190	0.110	/	0.506	No
		Left Edge	0.400	0.120	0.400	/	0.920	No
		Right Edge	0.090	0.400	0.110	/	0.600	No
	LTE Band 30 +WLAN 2.4GHz(Aux)	Back Side	0.725	0.800	/	0.430	1.955	Yes
		Top Edge	0.206	0.190	/	0.020	0.416	No

	+Bluetooth	Left Edge	0.400	0.120	/	0.400	0.920	No
		Right Edge	0.090	0.400	/	0.000	0.490	No
	LTE Band 30 +WLAN 5GHz(Main) +WLAN 5GHz(Aux) +Bluetooth	Back Side	0.725	1.130	1.500	0.430	3.785	Yes
		Top Edge	0.206	0.980	1.050	0.020	2.256	Yes
		Left Edge	0.400	0.090	0.400	0.400	1.290	No
		Right Edge	0.090	0.400	0.110	0.000	0.600	No
Tablet	LTE Band 41 +WLAN 2.4GHz(Main) +WLAN 2.4GHz(Aux)	Back Side	0.428	0.800	1.450	/	2.678	Yes
		Top Edge	0.114	0.190	0.110	/	0.414	No
		Left Edge	0.400	0.120	0.400	/	0.920	No
		Right Edge	0.077	0.400	0.110	/	0.587	No
	LTE Band 41 +WLAN 2.4GHz(Aux) +Bluetooth	Back Side	0.428	0.800	/	0.430	1.658	Yes
		Top Edge	0.114	0.190	/	0.020	0.324	No
		Left Edge	0.400	0.120	/	0.400	0.920	No
		Right Edge	0.077	0.400	/	0.000	0.477	No
	LTE Band 41 +WLAN 5GHz(Main) +WLAN 5GHz(Aux) +Bluetooth	Back Side	0.428	1.130	1.500	0.430	3.488	Yes
		Top Edge	0.114	0.980	1.050	0.020	2.164	Yes
		Left Edge	0.400	0.090	0.400	0.400	1.290	No
		Right Edge	0.077	0.400	0.110	0.000	0.587	No
Tablet	LTE Band 66 +WLAN 2.4GHz(Main) +WLAN 2.4GHz(Aux)	Back Side	0.664	0.800	1.450	/	2.914	Yes
		Top Edge	0.237	0.190	0.110	/	0.537	No
		Left Edge	0.400	0.120	0.400	/	0.920	No
		Right Edge	0.110	0.400	0.110	/	0.620	No
	LTE Band 66 +WLAN 2.4GHz(Aux) +Bluetooth	Back Side	0.664	0.800	/	0.430	1.894	Yes
		Top Edge	0.237	0.190	/	0.020	0.447	No
		Left Edge	0.400	0.120	/	0.400	0.920	No
		Right Edge	0.110	0.400	/	0.000	0.510	No
	LTE Band 66 +WLAN 5GHz(Main) +WLAN 5GHz(Aux) +Bluetooth	Back Side	0.664	1.130	1.500	0.430	3.724	Yes
		Top Edge	0.237	0.980	1.050	0.020	2.287	Yes
		Left Edge	0.400	0.090	0.400	0.400	1.290	No
		Right Edge	0.110	0.400	0.110	0.000	0.620	No

Band	Position	SAR (W/kg)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultan eous SAR	NO.
			X	Y	Z					
Body										
WCDMA B2	Back Side	0.662	-0.0775	-0.0305	-0.174	136.5	1.46	0.01	Not required	/
WLAN 2.4G(Main)		0.800	-0.074	0.106	-0.175					
WCDMA B2	Back Side	0.662	-0.0775	-0.0305	-0.174	73.5	2.11	0.04	Not required	/
WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175					
WCDMA B2	Back Side	0.662	-0.0775	-0.0305	-0.174	129.5	1.79	0.02	Not required	/
WLAN 5G(Main)		1.130	-0.078	0.099	-0.177					
WCDMA B2	Back Side	0.662	-0.0775	-0.0305	-0.174	94.1	2.59	0.04	Not required	/
WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177					
WCDMA B2	Top Edge	0.195	-0.00382	-0.0226	-0.176	148.6	1.18	0.01	Not required	/
WLAN 5G(Main)		0.980	-0.00497	0.126	-0.176					
WCDMA B2	Top Edge	0.195	-0.00382	-0.0226	-0.176	102.4	1.27	0.01	Not required	/
WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177					
WCDMA B4	Back Side	0.588	-0.075	-0.032	-0.174	138.0	1.39	0.01	Not required	/
WLAN 2.4G(Main)		0.800	-0.074	0.106	-0.175					
WCDMA B4	Back Side	0.588	-0.075	-0.032	-0.174	72.0	2.04	0.04	Not required	/
WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175					
WCDMA B4	Back Side	0.588	-0.075	-0.032	-0.174	131.1	1.72	0.02	Not required	/
WLAN 5G(Main)		1.130	-0.078	0.099	-0.177					
WCDMA B4	Back Side	0.588	-0.075	-0.032	-0.174	92.4	2.52	0.04	Not required	/
WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177					
WCDMA B4	Top Edge	0.242	-0.00382	-0.0228	-0.176	148.8	1.22	0.01	Not required	/
WLAN 5G(Main)		0.980	-0.00497	0.126	-0.176					
WCDMA B4	Top Edge	0.242	-0.00382	-0.0228	-0.176	102.2	1.31	0.01	Not required	/
WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177					
WCDMA B5	Back Side	0.682	-0.0685	-0.0295	-0.176	135.6	1.48	0.01	Not required	1#
WLAN 2.4G(Main)		0.800	-0.074	0.106	-0.175					
WCDMA B5	Back Side	0.682	-0.0685	-0.0295	-0.176	74.8	2.13	0.04	Not required	2#
WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175					
WCDMA B5	Back Side	0.682	-0.0685	-0.0295	-0.176	128.9	1.81	0.02	Not required	3#
WLAN 5G(Main)		1.130	-0.078	0.099	-0.177					
WCDMA B5	Back Side	0.682	-0.0685	-0.0295	-0.176	94.5	2.61	0.04	Not required	4#
WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177					

WCDMA B5	Top Edge	0.483	-0.0061	-0.0456	-0.176	171.6	1.46	0.01	Not required	/
WLAN 5G(Main)		0.980	-0.00497	0.126	-0.176					
WCDMA B5	Top Edge	0.483	-0.0061	-0.0456	-0.176	79.5	1.55	0.02	Not required	/
WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177					
LTE Band 2	Back Side	0.674	-0.0785	-0.029	-0.173	135.1	1.47	0.01	Not required	5#
WLAN 2.4G(Main)		0.800	-0.074	0.106	-0.175					
LTE Band 2	Back Side	0.674	-0.0785	-0.029	-0.173	75.1	2.12	0.04	Not required	6#
WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175					
LTE Band 2	Back Side	0.674	-0.0785	-0.029	-0.173	128.1	1.80	0.02	Not required	7#
WLAN 5G(Main)		1.130	-0.078	0.099	-0.177					
LTE Band 2	Back Side	0.674	-0.0785	-0.029	-0.173	95.8	2.60	0.04	Not required	8#
WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177					
LTE Band 2	Top Edge	0.207	-0.00377	-0.0214	-0.176	147.4	1.19	0.01	Not required	/
WLAN 5G(Main)		0.980	-0.00497	0.126	-0.176					
LTE Band 2	Top Edge	0.207	-0.00377	-0.0214	-0.176	103.6	1.28	0.01	Not required	/
WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177					
LTE Band 4	Back Side	0.604	-0.074	-0.034	-0.174	140.0	1.40	0.01	Not required	/
WLAN 2.4G(Main)		0.800	-0.074	0.106	-0.175					
LTE Band 4	Back Side	0.604	-0.074	-0.034	-0.174	70.0	2.05	0.04	Not required	/
WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175					
LTE Band 4	Back Side	0.604	-0.074	-0.034	-0.174	133.1	1.73	0.02	Not required	/
WLAN 5G(Main)		1.130	-0.078	0.099	-0.177					
LTE Band 4	Back Side	0.604	-0.074	-0.034	-0.174	90.3	2.53	0.04	Not required	/
WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177					
LTE Band 4	Top Edge	0.252	-0.00378	-0.0216	-0.176	147.6	1.23	0.01	Not required	9#
WLAN 5G(Main)		0.980	-0.00497	0.126	-0.176					
LTE Band 4	Top Edge	0.252	-0.00378	-0.0216	-0.176	103.4	1.32	0.01	Not required	10#
WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177					
LTE Band 5	Back Side	0.629	-0.0705	-0.03	-0.173	136.1	1.43	0.01	Not required	/
WLAN 2.4G(Main)		0.800	-0.074	0.106	-0.175					
LTE Band 5	Back Side	0.629	-0.0705	-0.03	-0.173	74.2	2.08	0.04	Not required	/
WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175					
LTE Band 5	Back Side	0.629	-0.0705	-0.03	-0.173	129.3	1.76	0.02	Not required	/
WLAN 5G(Main)		1.130	-0.078	0.099	-0.177					
LTE Band 5	Back Side	0.629	-0.0705	-0.03	-0.173	94.2	2.56	0.04	Not	/

WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177				required	
LTE Band 5	Top Edge	0.480	-0.00622	-0.0456	-0.176	171.6	1.46	0.01	Not required	/
WLAN 5G(Main)		0.980	-0.00497	0.126	-0.176					
LTE Band 5	Top Edge	0.480	-0.00622	-0.0456	-0.176	79.5	1.55	0.02	Not required	/
WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177					
LTE Band 7	Back Side	0.600	-0.0794	-0.022	-0.174	128.1	1.40	0.01	Not required	/
WLAN 2.4G(Main)		0.800	-0.074	0.106	-0.175					
LTE Band 7	Back Side	0.600	-0.0794	-0.022	-0.174	82.1	2.05	0.04	Not required	/
WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175					
LTE Band 7	Back Side	0.600	-0.0794	-0.022	-0.174	121.0	1.73	0.02	Not required	/
WLAN 5G(Main)		1.130	-0.078	0.099	-0.177					
LTE Band 7	Back Side	0.600	-0.0794	-0.022	-0.174	102.8	2.53	0.04	Not required	/
WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177					
LTE Band 7	Top Edge	0.170	-0.000173	-0.0351	-0.175	161.2	1.15	0.01	Not required	/
WLAN 5G(Main)		0.980	-0.00497	0.126	-0.176					
LTE Band 7	Top Edge	0.170	-0.000173	-0.0351	-0.175	89.9	1.24	0.02	Not required	/
WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177					
LTE Band 12	Back Side	0.499	-0.0795	-0.0345	-0.175	140.6	1.30	0.01	Not required	/
WLAN 2.4G(Main)		0.800	-0.074	0.106	-0.175					
LTE Band 12	Back Side	0.499	-0.0795	-0.0345	-0.175	69.6	1.95	0.04	Not required	/
WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175					
LTE Band 12	Back Side	0.499	-0.0795	-0.0345	-0.175	133.5	1.63	0.02	Not required	/
WLAN 5G(Main)		1.130	-0.078	0.099	-0.177					
LTE Band 12	Back Side	0.499	-0.0795	-0.0345	-0.175	90.4	2.43	0.04	Not required	/
WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177					
LTE Band 12	Top Edge	0.253	-0.00501	-0.0684	-0.176	194.4	1.23	0.01	Not required	/
WLAN 5G(Main)		0.980	-0.00497	0.126	-0.176					
LTE Band 12	Top Edge	0.253	-0.00501	-0.0684	-0.176	56.7	1.32	0.03	Not required	/
WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177					
LTE Band 13	Back Side	0.523	-0.0715	-0.0265	-0.175	132.5	1.32	0.01	Not required	/
WLAN 2.4G(Main)		0.800	-0.074	0.106	-0.175					
LTE Band 13	Back Side	0.523	-0.0715	-0.0265	-0.175	77.6	1.97	0.04	Not required	/
WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175					
LTE Band 13	Back Side	0.523	-0.0715	-0.0265	-0.175	125.7	1.65	0.02	Not required	/
WLAN 5G(Main)		1.130	-0.078	0.099	-0.177					

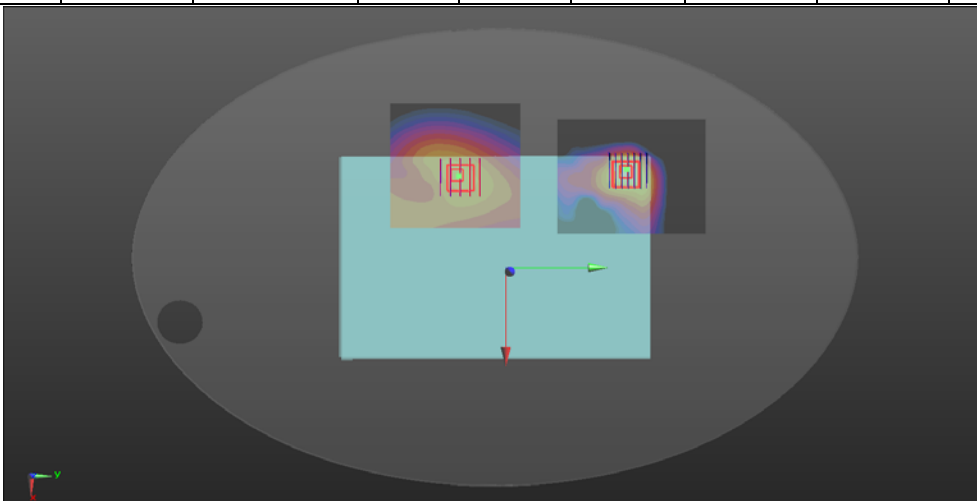
LTE Band 13	Back Side	0.523	-0.0715	-0.0265	-0.175	97.6	2.45	0.04	Not required	/
WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177					
LTE Band 13	Top Edge	0.326	-0.00618	-0.066	-0.176	192.0	1.31	0.01	Not required	/
WLAN 5G(Main)		0.980	-0.00497	0.126	-0.176					
LTE Band 13	Top Edge	0.326	-0.00618	-0.066	-0.176	59.2	1.40	0.03	Not required	/
WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177					
LTE Band 26	Back Side	0.629	-0.0695	-0.031	-0.173	137.1	1.43	0.01	Not required	/
WLAN 2.4G(Main)		0.800	-0.074	0.106	-0.175					
LTE Band 26	Back Side	0.629	-0.0695	-0.031	-0.173	73.2	2.08	0.04	Not required	/
WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175					
LTE Band 26	Back Side	0.629	-0.0695	-0.031	-0.173	130.3	1.76	0.02	Not required	/
WLAN 5G(Main)		1.130	-0.078	0.099	-0.177					
LTE Band 26	Back Side	0.629	-0.0695	-0.031	-0.173	93.1	2.56	0.04	Not required	/
WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177					
LTE Band 26	Top Edge	0.502	-0.00619	-0.0456	-0.176	171.6	1.48	0.01	Not required	11#
WLAN 5G(Main)		0.980	-0.00497	0.126	-0.176					
LTE Band 26	Top Edge	0.502	-0.00619	-0.0456	-0.176	79.5	1.57	0.02	Not required	12#
WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177					
LTE Band 30	Back Side	0.725	-0.0794	-0.02	-0.174	126.1	1.53	0.01	Not required	13#
WLAN 2.4G(Main)		0.800	-0.074	0.106	-0.175					
LTE Band 30	Back Side	0.725	-0.0794	-0.02	-0.174	84.1	2.18	0.04	Not required	14#
WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175					
LTE Band 30	Back Side	0.725	-0.0794	-0.02	-0.174	119.0	1.86	0.02	Not required	15#
WLAN 5G(Main)		1.130	-0.078	0.099	-0.177					
LTE Band 30	Back Side	0.725	-0.0794	-0.02	-0.174	104.8	2.66	0.04	Not required	16#
WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177					
LTE Band 30	Top Edge	0.206	-0.000173	-0.0345	-0.176	160.6	1.19	0.01	Not required	17#
WLAN 5G(Main)		0.980	-0.00497	0.126	-0.176					
LTE Band 30	Top Edge	0.206	-0.000173	-0.0345	-0.176	90.5	1.28	0.02	Not required	18#
WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177					
LTE Band 41	Back Side	0.428	-0.0795	-0.0274	-0.175	133.5	1.23	0.01	Not required	/
WLAN 2.4G(Main)		0.800	-0.074	0.106	-0.175					
LTE Band 41	Back Side	0.428	-0.0795	-0.0274	-0.175	76.7	1.88	0.03	Not required	/
WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175					
LTE Band 41	Back Side	0.428	-0.0795	-0.0274	-0.175	126.4	1.56	0.02	Not	/

WLAN 5G(Main)		1.130	-0.078	0.099	-0.177				required	
LTE Band 41	Back Side	0.428	-0.0795	-0.0274	-0.175	97.4	2.36	0.04	Not required	/
WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177					
LTE Band 41	Top Edge	0.114	-0.000179	-0.0325	-0.176	158.6	1.09	0.01	Not required	/
WLAN 5G(Main)		0.980	-0.00497	0.126	-0.176					
LTE Band 41	Top Edge	0.114	-0.000179	-0.0325	-0.176	92.5	1.18	0.01	Not required	/
WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177					
LTE Band 66	Back Side	0.664	-0.0795	-0.0274	-0.175	133.5	1.46	0.01	Not required	/
WLAN 2.4G(Main)		0.800	-0.074	0.106	-0.175					
LTE Band 66	Back Side	0.664	-0.0795	-0.0274	-0.175	76.7	2.11	0.04	Not required	/
WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175					
LTE Band 66	Back Side	0.664	-0.0795	-0.0274	-0.175	126.4	1.79	0.02	Not required	/
WLAN 5G(Main)		1.130	-0.078	0.099	-0.177					
LTE Band 66	Back Side	0.664	-0.0795	-0.032	-0.174	92.9	2.59	0.04	Not required	/
WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177					
LTE Band 66	Top Edge	0.237	-0.00378	-0.0178	-0.176	143.8	1.22	0.01	Not required	/
WLAN 5G(Main)		0.980	-0.00497	0.126	-0.176					
LTE Band 66	Top Edge	0.237	-0.00378	-0.0178	-0.176	107.2	1.31	0.01	Not required	/
WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177					
WLAN 2.4G(Main)	Back Side	0.800	-0.074	0.106	-0.175	210.0	2.25	0.02	Not required	19#
WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175					
WLAN 5G(Main)	Back Side	1.130	-0.078	0.099	-0.177	223.3	3.06	0.02	Not required	20#
WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177					
WLAN 5G(Main)	Top Edge	0.980	-0.00497	0.126	-0.176	251.0	2.05	0.01	Not required	21#
WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177					

Note: For SPLSR analysis pictures, only show the worst value of the SPLSR for each WWAN frequency band.

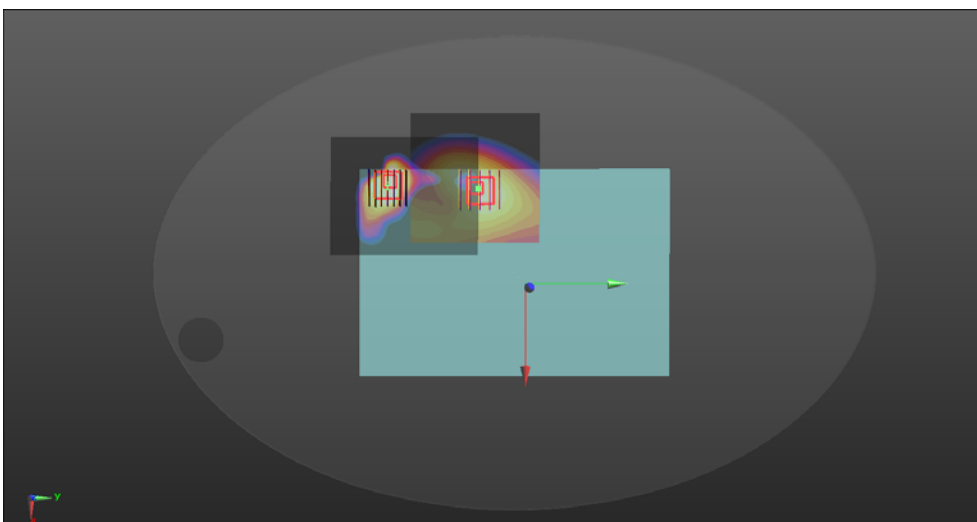
SPLSR Analysis 1#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	WCDMA B5	Back Side	0.682	-0.0685	-0.0295	-0.176	135.6	1.48	0.01	No
	WLAN 2.4G(Main)		0.800	-0.074	0.106	-0.175				



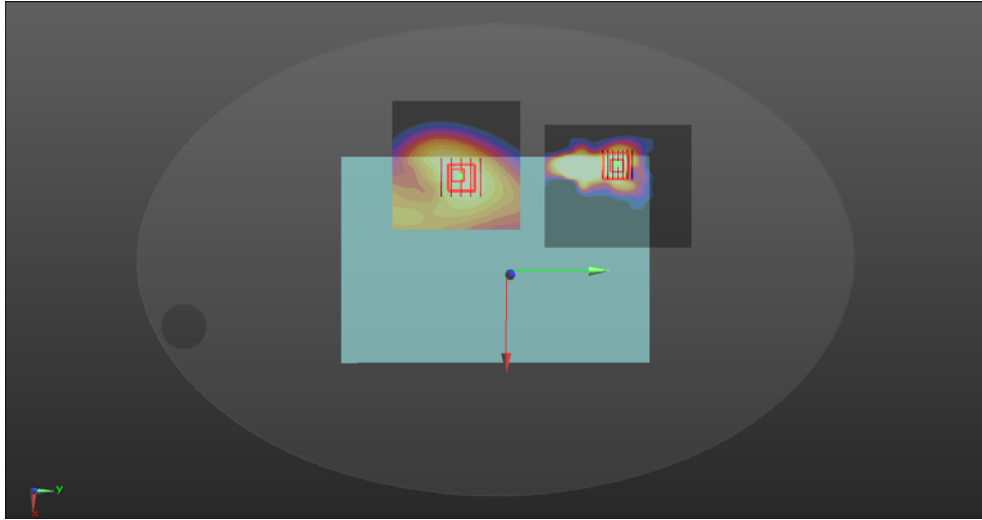
SPLSR Analysis 2#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	WCDMA B5	Back Side	0.682	-0.0685	-0.0295	-0.176	74.8	2.13	0.04	No
	WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175				



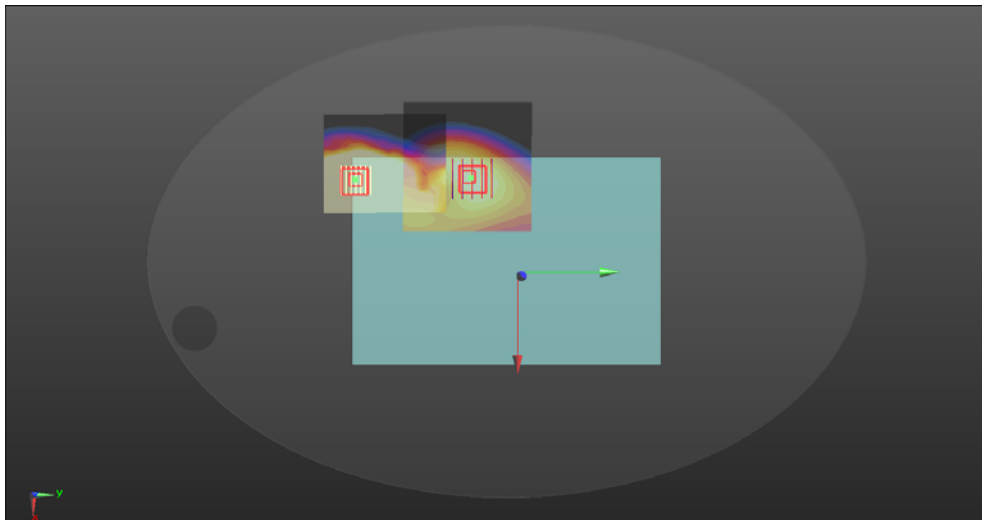
SPLSR Analysis 3#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	WCDMA B5	Back Side	0.682	-0.0685	-0.0295	-0.176	128.9	1.81	0.02	No
	WLAN 5G(Main)		1.130	-0.078	0.099	-0.177				



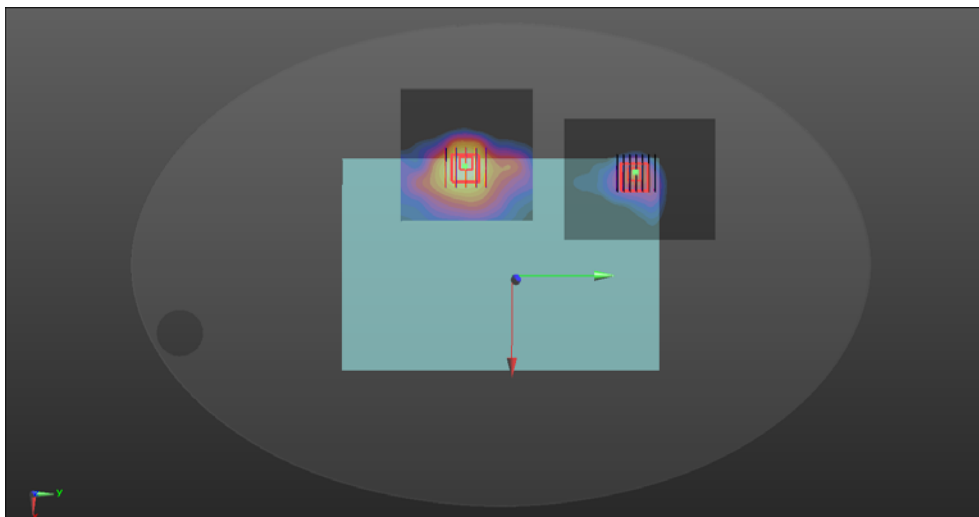
SPLSR Analysis 4#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	WCDMA B5	Back Side	0.682	-0.0685	-0.0295	-0.176	94.5	2.61	0.04	No
	WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177				



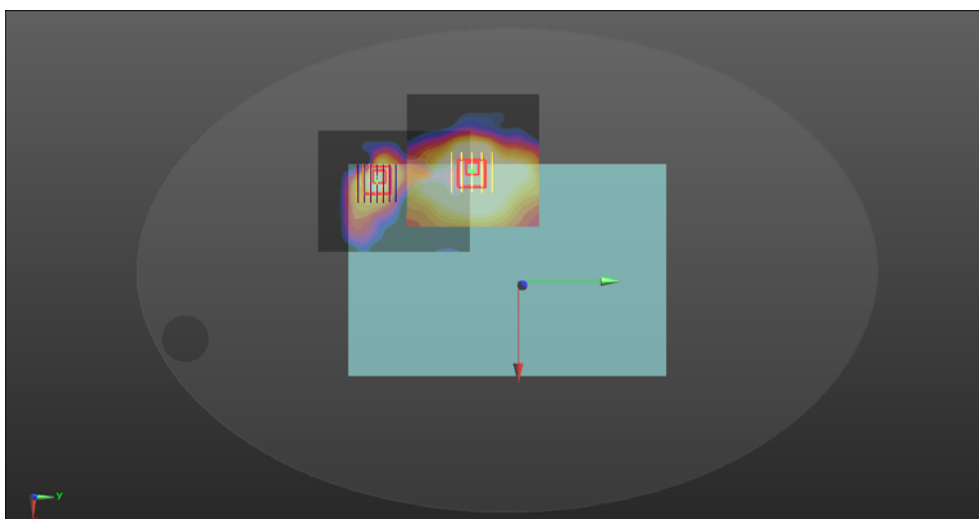
SPLSR Analysis 5#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	LTE B2	Back Side	0.674	-0.0785	-0.029	-0.173	135.1	1.47	0.01	No
	WLAN 2.4G(Mian)		0.800	-0.074	0.106	-0.175				



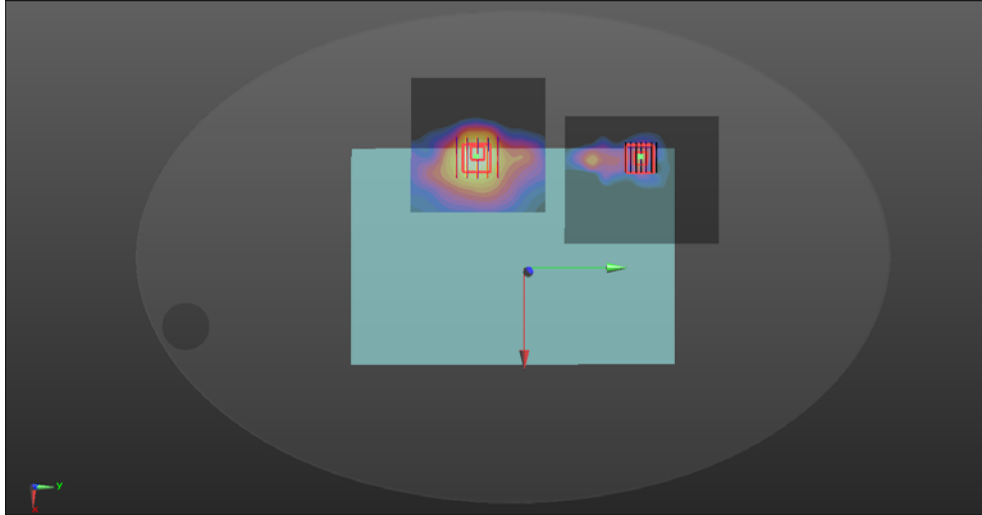
SPLSR Analysis 6#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	LTE B2	Back Side	0.674	-0.0785	-0.029	-0.173	75.1	2.12	0.04	No
	WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175				



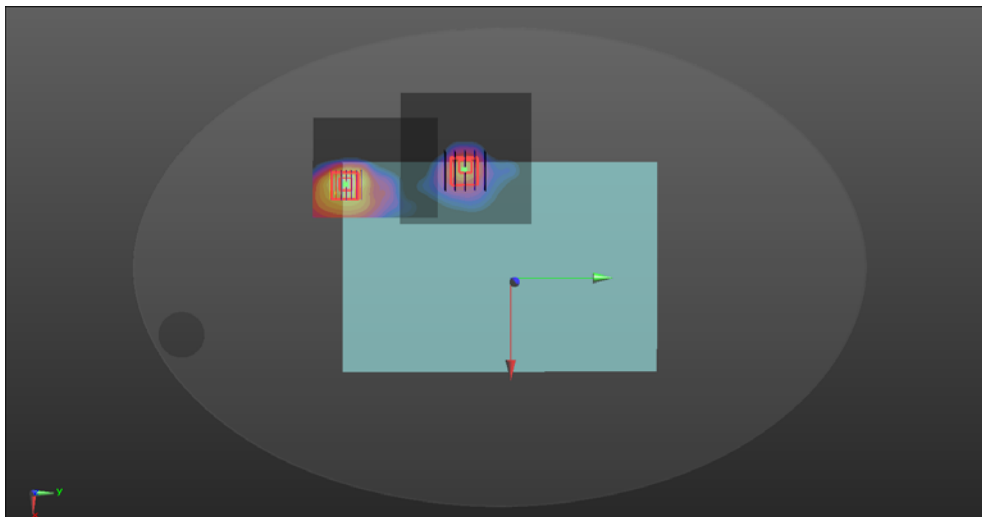
SPLSR Analysis 7#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	LTE B2	Back Side	0.674	-0.0785	-0.029	-0.173	128.1	1.80	0.02	No
	WLAN 5G(Main)		1.130	-0.078	0.099	-0.177				



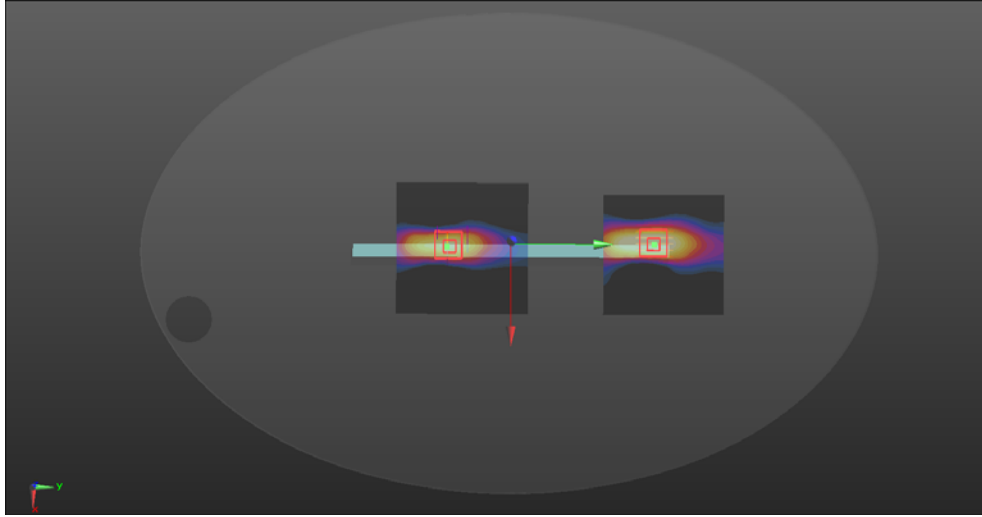
SPLSR Analysis 8#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	LTE B2	Back Side	0.674	-0.0785	-0.029	-0.173	95.8	2.60	0.04	No
	WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177				



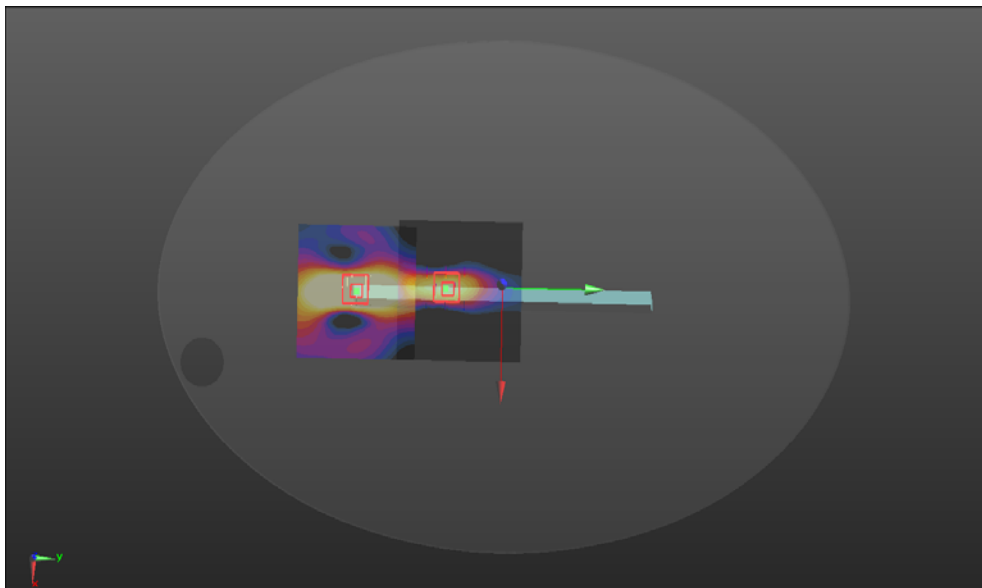
SPLSR Analysis 9#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	LTE B4	Top Side	0.252	-0.00378	-0.0216	-0.176	147.6	1.23	0.01	No
	WLAN 5G(Main)		0.980	-0.00497	0.126	-0.176				



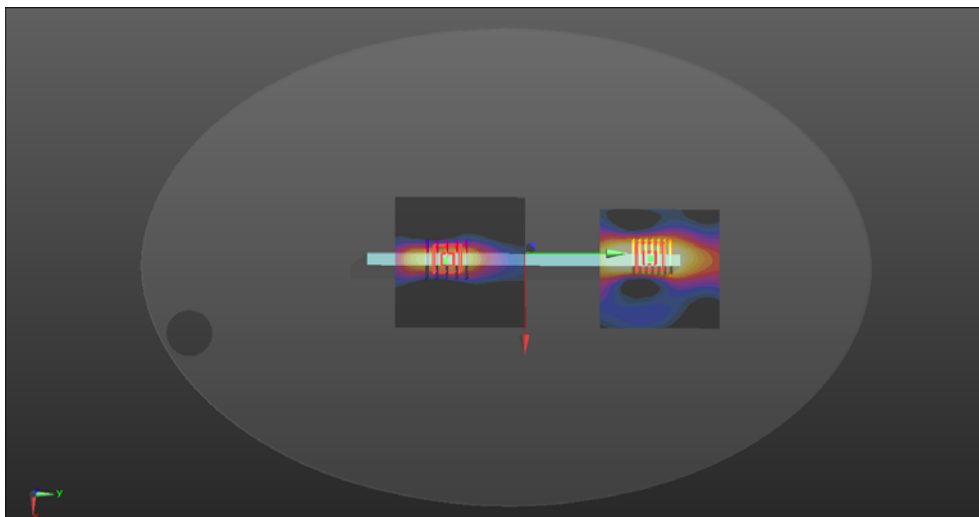
SPLSR Analysis 10#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	LTE B4	Top Side	0.252	-0.00378	-0.0216	-0.176	103.4	1.32	0.01	No
	WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177				



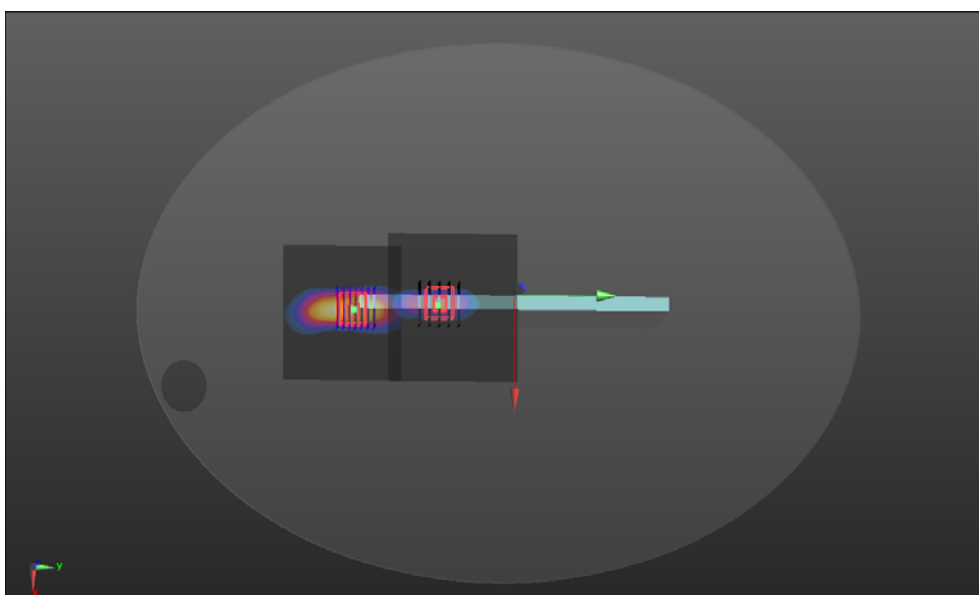
SPLSR Analysis 11#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	LTE B26	Top Side	0.502	-0.00619	-0.0456	-0.176	171.6	1.48	0.01	No
	WLAN 5G(Main)		0.980	-0.00497	0.126	-0.176				



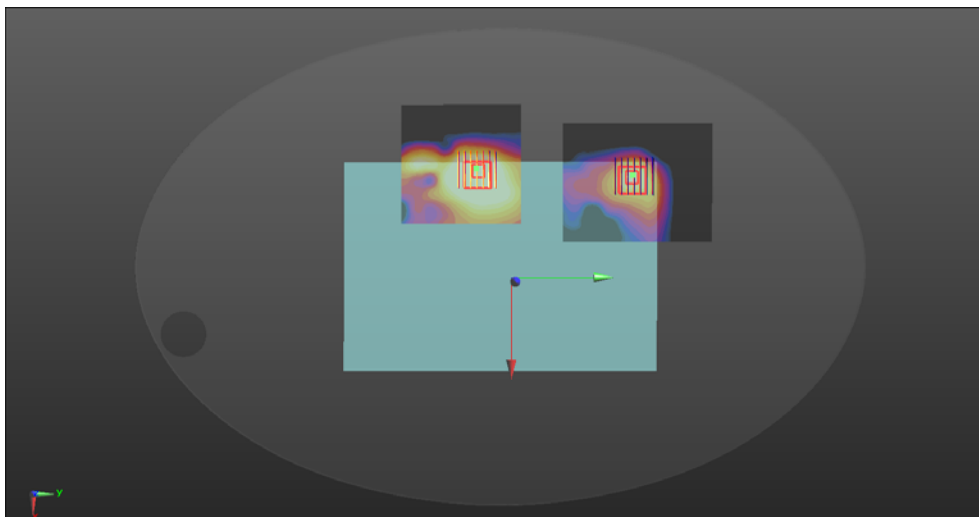
SPLSR Analysis 12#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	LTE B26	Top Side	0.502	-0.00619	-0.0456	-0.176	79.5	1.57	0.02	No
	WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177				



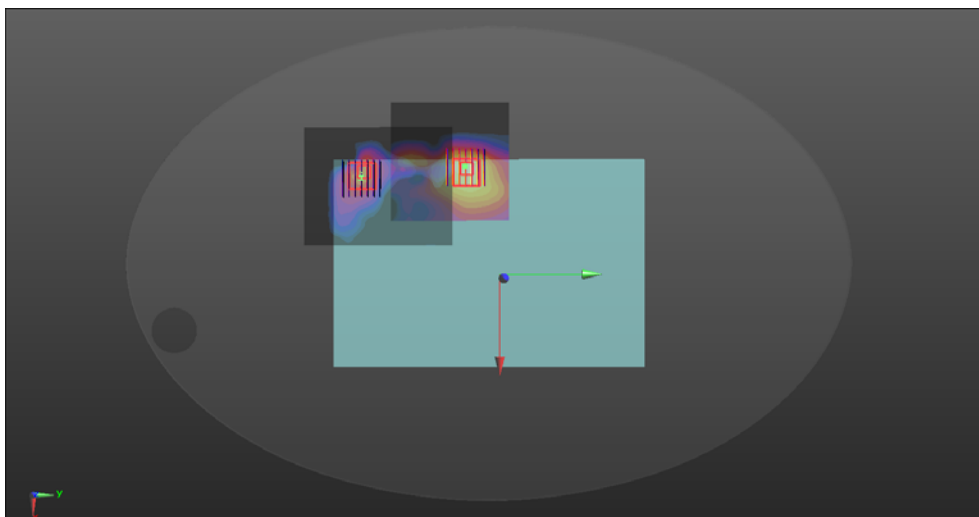
SPLSR Analysis 13#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	LTE B30	Back Side	0.725	-0.0794	-0.02	-0.174	126.1	1.53	0.01	No
	WLAN 2.4G(Mian)		0.800	-0.074	0.106	-0.175				



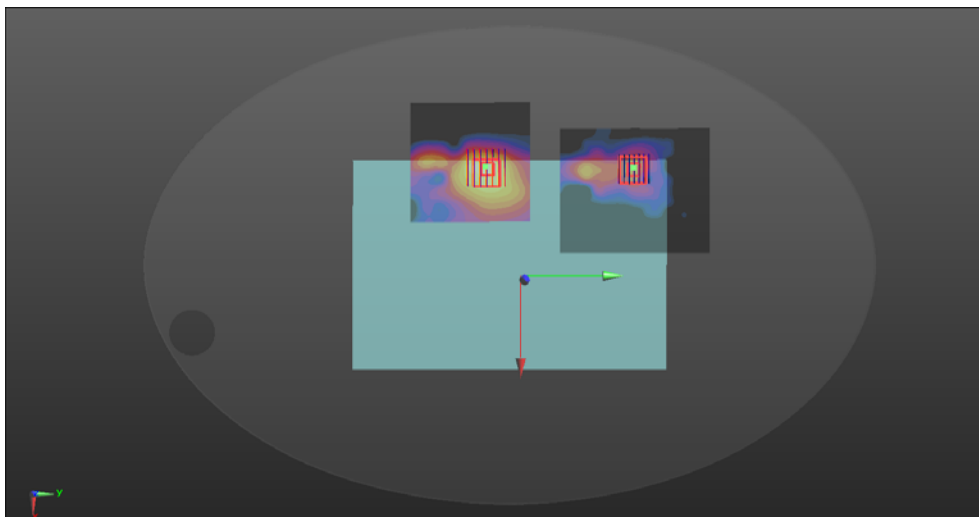
SPLSR Analysis 14#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	LTE B30	Back Side	0.725	-0.0768	-0.0286	-0.175	75.4	2.18	0.04	No
	WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175				



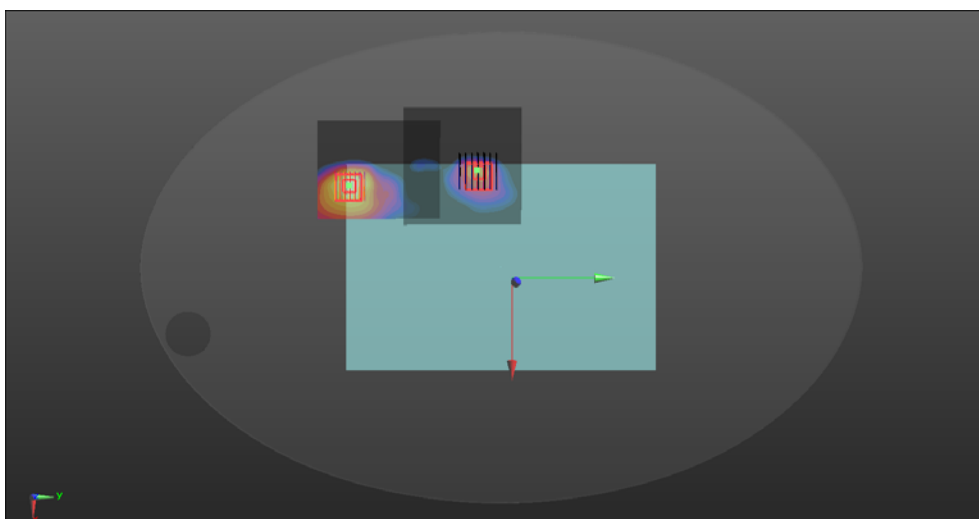
SPLSR Analysis 15#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	LTE B30	Back Side	0.725	-0.0768	-0.0286	-0.175	119.6	1.86	0.02	No
	WLAN 5G(Main)		1.130	-0.077	0.091	-0.177				



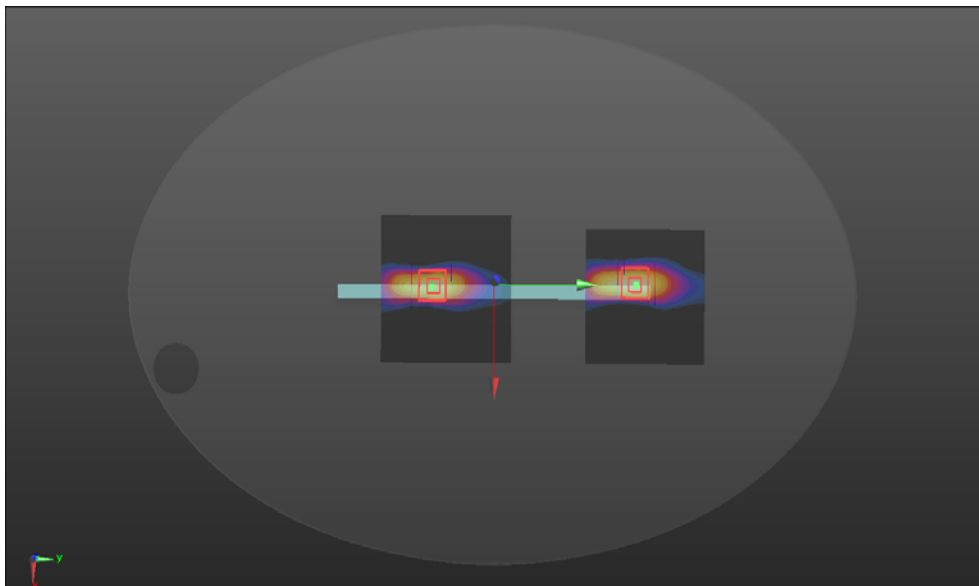
SPLSR Analysis 16#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	LTE B30	Back Side	0.725	-0.0794	-0.02	-0.174	104.8	2.66	0.04	No
	WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177				



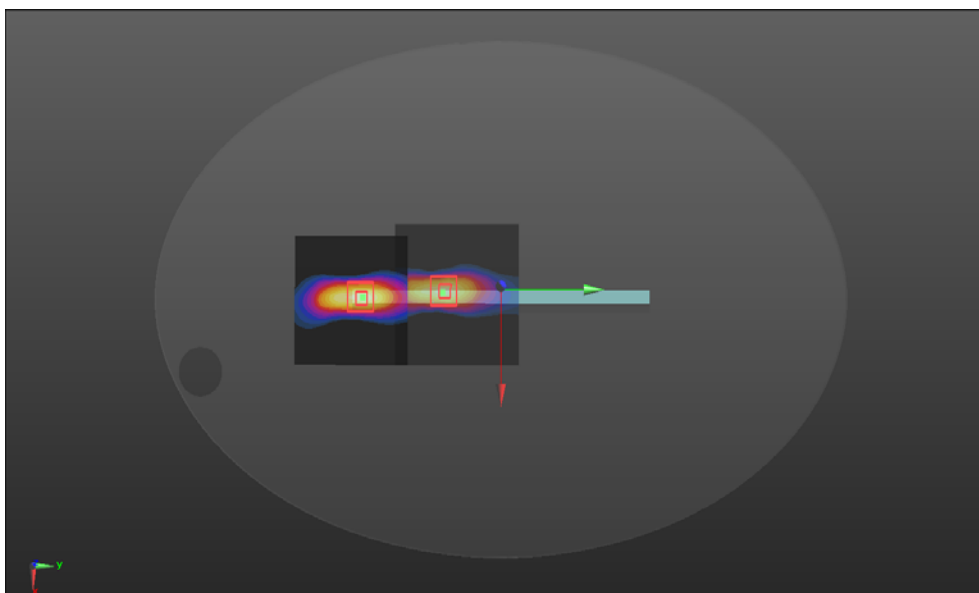
SPLSR Analysis 17#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	LTE B30	Top Side	0.206	-0.000173	-0.0345	-0.176	160.6	1.19	0.01	No
	WLAN 5G(Main)		0.980	-0.00497	0.126	-0.176				



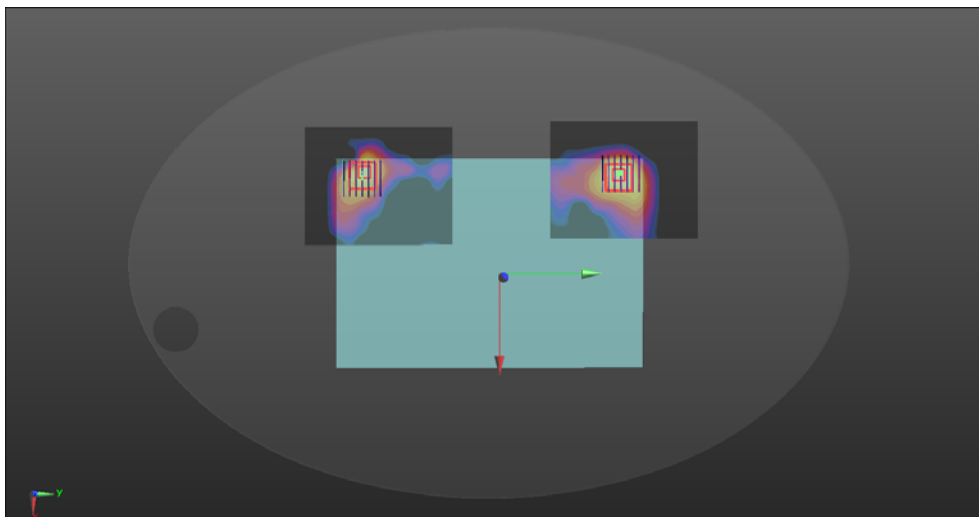
SPLSR Analysis 18#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	LTE B30	Top Side	0.206	-0.000173	-0.0345	-0.176	90.5	1.28	0.02	No
	WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177				



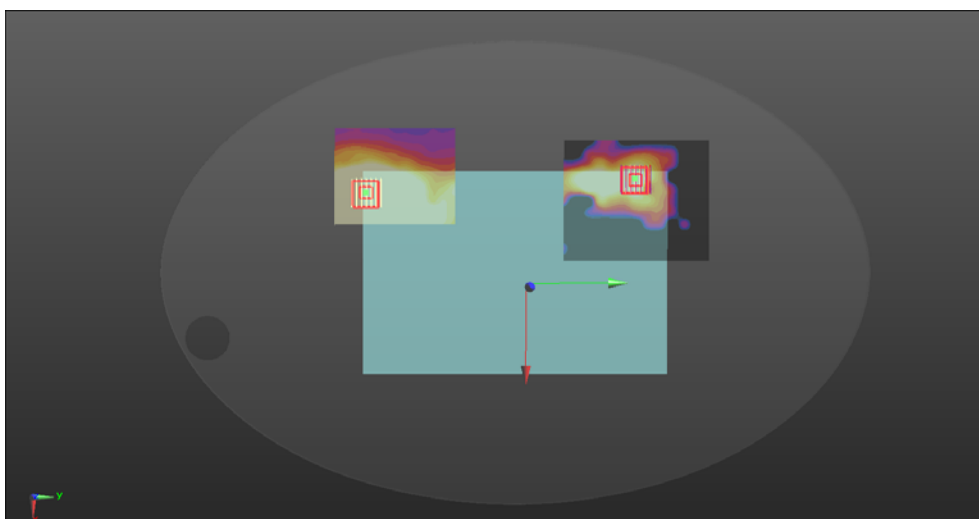
SPLSR Analysis 19#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	WLAN 2.4G(Main)	Back Side	0.800	-0.074	0.106	-0.175	210.0	2.25	0.02	No
	WLAN 2.4G(Aux)		1.450	-0.0752	-0.104	-0.175				



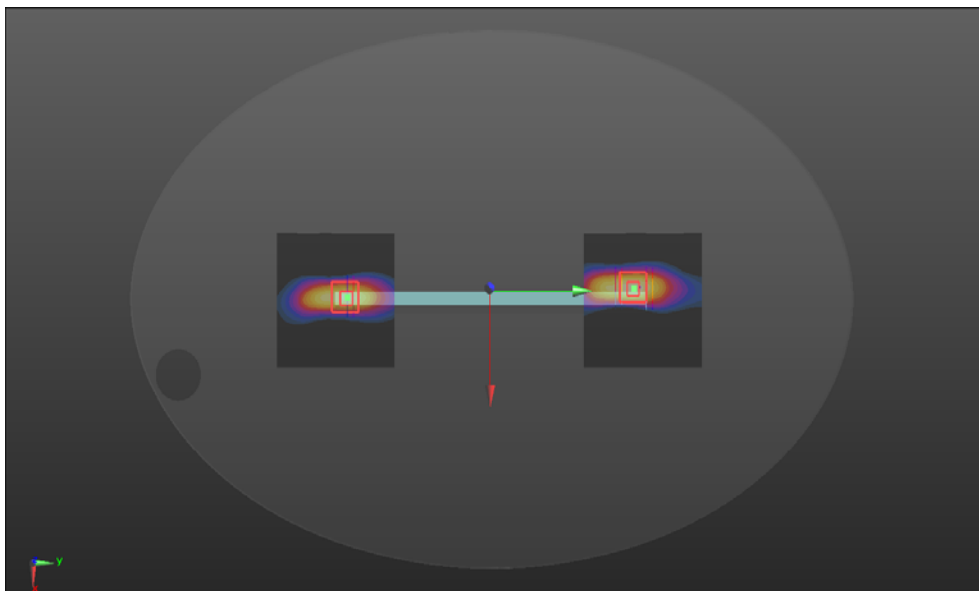
SPLSR Analysis 20#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	WLAN 5G(Main)	Back Side	1.130	-0.078	0.099	-0.177	223.3	3.06	0.02	No
	WLAN 5G(Aux)		1.930	-0.067	-0.124	-0.177				



SPLSR Analysis 21#

Test Mode	Antenna	Position	Reported 1g Max. SAR (W/kg)	Coordinates (m)			1g Sum SAR (W/kg)	3D Distance (mm)	SPLSR	Simultaneous SAR Test (Yes/No)
				X	Y	Z				
Tablet	WLAN 5G(Main)	Top Side	0.980	-0.00497	0.126	-0.176	251.0	2.05	0.01	No
	WLAN 5G(Aux)		1.070	-0.00198	-0.125	-0.177				



14 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1055	2020/02/20	2021/02/19
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2019/06/11	2021/06/10
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2018/09/13	2021/09/12
1900MHz Validation Dipole	Speag	D1900V2	SN: 5d193	2019/06/11	2021/06/10
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2019/06/10	2021/06/09
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2018/11/05	2021/11/04
E-Field Probe	Speag	EX3DV4	SN: 3578	2020/07/06	2021/07/05
Data Acquisition Electronics	Speag	DAE3	SN: 360	2019/10/16	2020/10/15
Signal Generator	R&S	SMB100A	177746	2020/06/08	2021/06/07
Power Meter	R&S	NRVD-B2	7250BJ-0112/2011	2019/10/30	2020/10/29
Power Sensor	R&S	NRV-Z4	100381	2019/10/30	2020/10/29
Power Sensor	R&S	NRV-Z2	100211	2019/10/30	2020/10/29
Wireless Communication Test Set	Agilent	8960-E5515C	MY47510286	2020/06/08	2021/06/07
Wireless Communication Test Set	R&S	CMW 500	104192	2020/06/08	2021/06/07
Network Analyzer	R&S	ZVL-6	101380	2020/06/22	2021/06/21
Thermometer	Elitech	RC-4HC	N/A	2019/11/02	2020/11/01
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	SATIMO	SCLMP	SN 25/13 OCPG56	N/A	N/A
Phantom1	Speag	SAM	SN: 1859	N/A	N/A
Phantom2	Speag	ELI4	SN: 1012	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

Note: For dipole antennas, BALUN has adopted 3 years as calibration intervals, and on annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:

1. There is no physical damage on the dipole;
2. System validation with specific dipole is within 10% of calibrated value;
3. Return-loss in within 20% of calibrated measurement.
4. Impedance (real or imaginary parts) in within 5 Ohms of calibrated measurement.

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

The dielectric parameters of the liquids were verified prior to the SAR evaluation using an SCLMP Dielectric Probe Kit.

Date	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ϵ)	Target Conductivity (σ) (S/m)	Target Permittivity (ϵ)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2020.10.14	Head	750	21.4	0.90	42.08	0.89	41.94	1.12	0.33
2020.10.13	Head	835	21.4	0.90	41.71	0.90	41.50	0.00	0.51
2020.10.12	Head	835	21.2	0.91	41.74	0.90	41.50	1.11	0.58
2020.10.11	Head	835	21.3	0.90	41.83	0.90	41.50	0.00	0.80
2020.09.28	Head	1750	21.3	1.38	40.10	1.37	40.08	0.73	0.05
2020.09.29	Head	1750	21.4	1.37	40.24	1.37	40.08	10.95	32.44
2020.10.09	Head	1900	21.3	1.41	40.07	1.40	40.00	0.71	0.18
2020.10.10	Head	1900	21.2	1.41	40.34	1.40	40.00	0.71	0.85
2020.09.25	Head	2450	21.6	1.82	38.12	1.80	39.20	1.11	-2.76
2020.09.26	Head	2600	21.4	1.97	38.64	1.96	39.01	0.51	-0.95
2020.09.27	Head	2600	21.5	1.95	38.48	1.96	39.01	-0.51	-1.36

Note: The tolerance limit of Conductivity and Permittivity is $\pm 5\%$.

ANNEX B SYSTEM CHECK RESULT

Comparing to the original SAR value provided by SPEAG, the validation data should be within its specification of 10 % (for 1 g).

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2020.10.14	Head	750	100	0.834	8.34	8.55	-2.46
2020.10.13	Head	835	100	0.912	9.12	9.49	-3.90
2020.10.12	Head	835	100	0.964	9.64	9.49	1.58
2020.10.11	Head	835	100	0.943	9.43	9.49	-0.63
2020.09.28	Head	1750	100	3.560	35.60	36.80	-3.26
2020.09.29	Head	1750	100	3.840	38.40	36.80	4.35
2020.10.09	Head	1900	100	3.940	39.40	39.40	0.00
2020.10.10	Head	1900	100	4.140	41.40	39.40	5.08
2020.09.25	Head	2450	100	4.970	49.70	52.60	-5.51
2020.09.26	Head	2600	100	5.560	55.60	56.30	-1.24
2020.09.27	Head	2600	100	5.570	55.70	56.30	-1.07

Note: The tolerance limit of System validation $\pm 10\%$.

System Performance Check Data (750MHz)

Date: 2020.10.14

Communication System Band: D750 (750.0 MHz); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750$ MHz; $\sigma = 0.898$ S/m; $\epsilon_r = 42.075$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW750 Head 100mw/Area Scan (61x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.884 W/kg

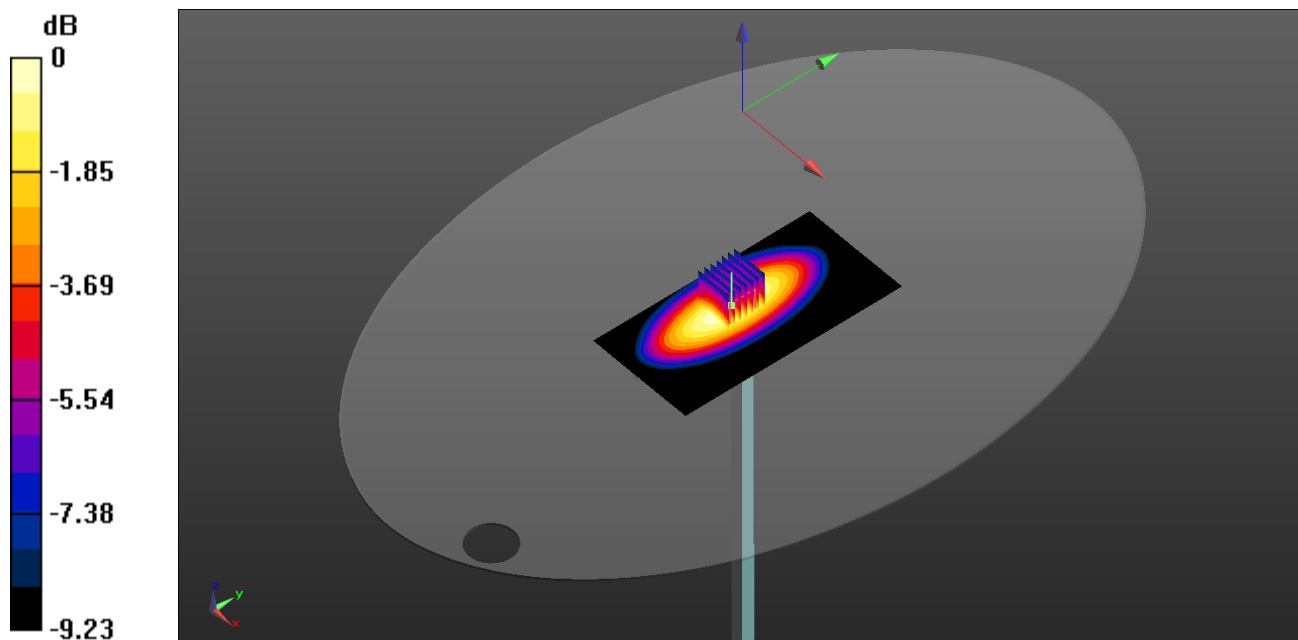
CW750 Head 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 30.08 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.834 W/kg; SAR(10 g) = 0.554 W/kg

Maximum value of SAR (measured) = 0.886 W/kg



0 dB = 0.886 W/kg

System Performance Check Data (835MHz)

Date: 2020.10.13

Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835$ MHz; $\sigma = 0.897$ S/m; $\epsilon_r = 41.711$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.8 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(9.54, 9.54, 9.54); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW835 Head 100mw/Area Scan (61x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.974 W/kg

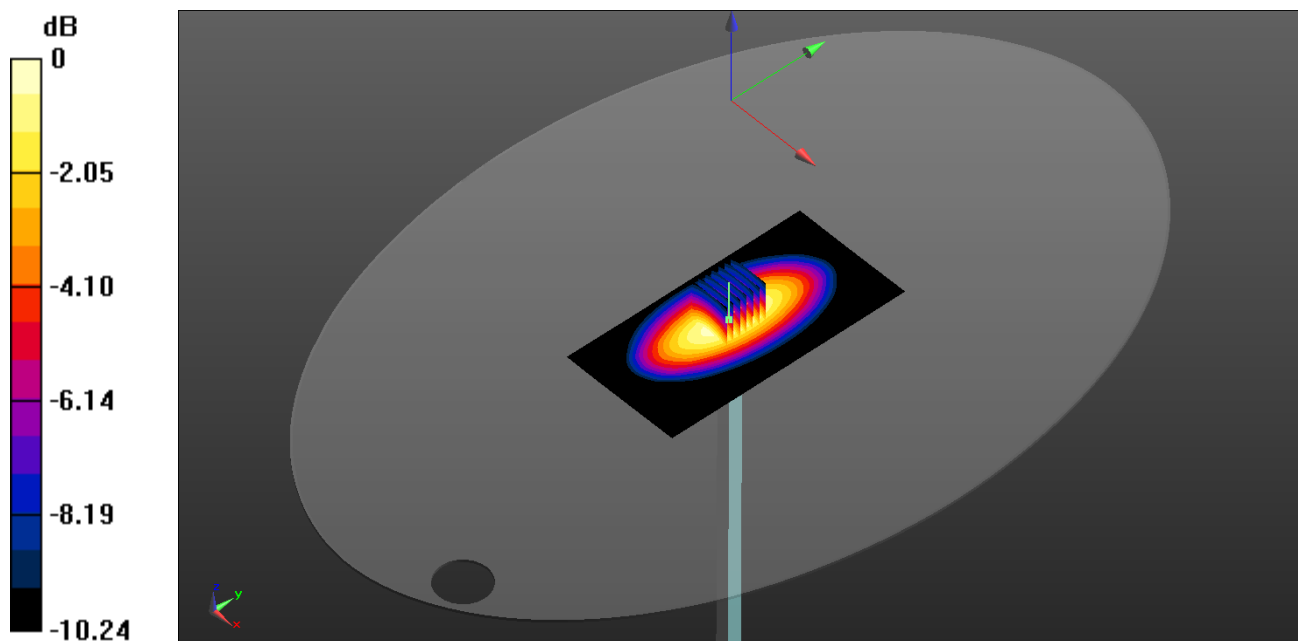
CW835 Head 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 32.55 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.912 W/kg; SAR(10 g) = 0.604 W/kg

Maximum value of SAR (measured) = 0.984 W/kg



0 dB = 0.984 W/kg

System Performance Check Data (835MHz)

Date: 2020.10.12

Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.909 \text{ S/m}$; $\epsilon_r = 41.735$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(9.54, 9.54, 9.54); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW835 Head 100mw/Area Scan (61x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.03 W/kg

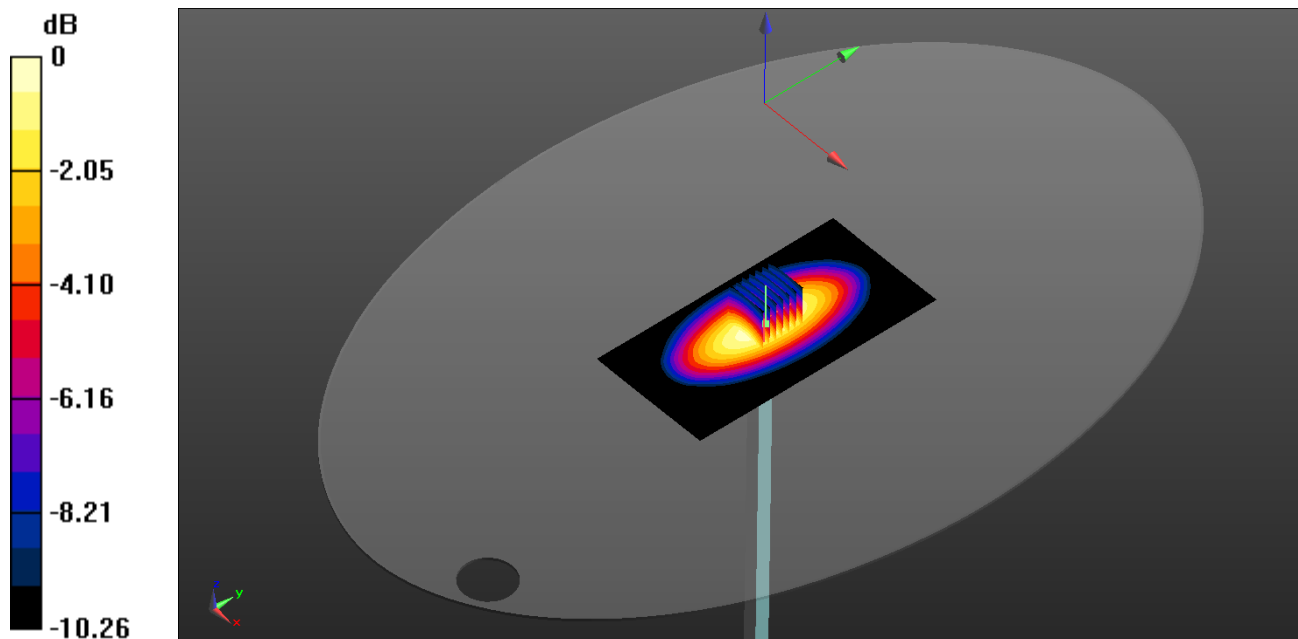
CW835 Head 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.48 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.964 W/kg ; SAR(10 g) = 0.638 W/kg

Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg

System Performance Check Data (835MHz)

Date: 2020.10.11

Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 41.831$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(9.54, 9.54, 9.54); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW835 Head 100mw/Area Scan (61x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.01 W/kg

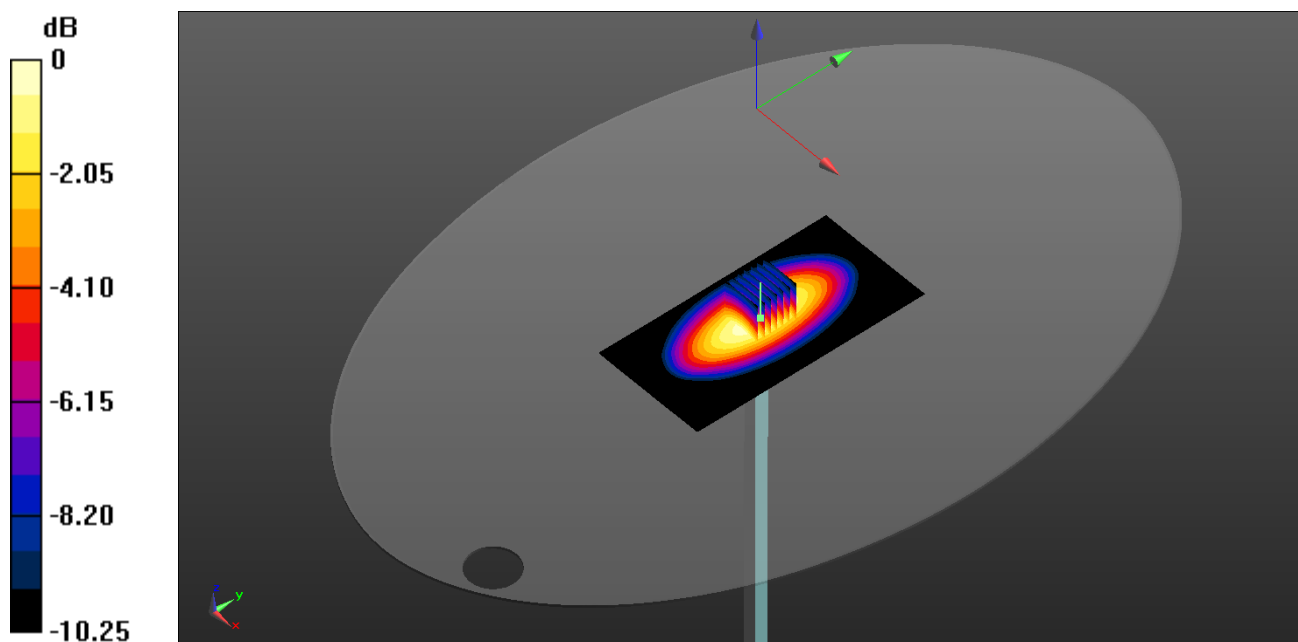
CW835 Head 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.28 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.943 W/kg; SAR(10 g) = 0.625 W/kg

Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg

System Performance Check Data (1750MHz)

Date: 2020.09.28

Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 40.098$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.29, 8.29, 8.29); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW1750 Head 100mw/Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 4.06 W/kg

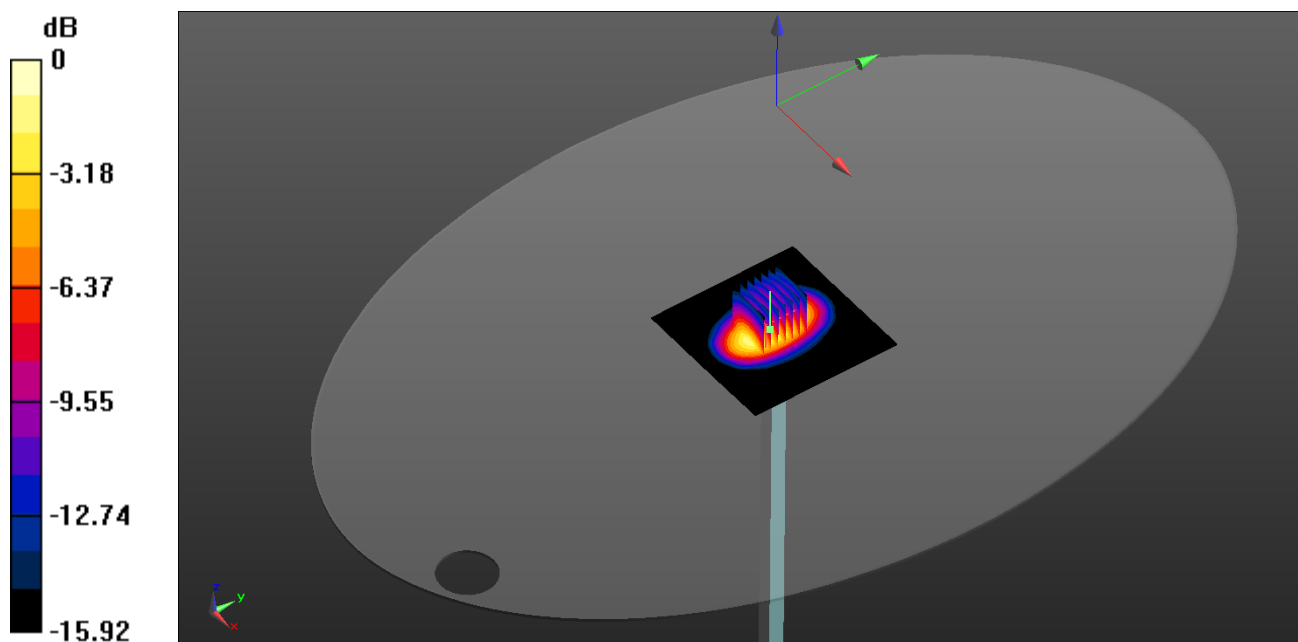
CW1750 Head 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 51.58 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 6.35 W/kg

SAR(1 g) = 3.56 W/kg; SAR(10 g) = 1.91 W/kg

Maximum value of SAR (measured) = 4.02 W/kg



0 dB = 4.02 W/kg

System Performance Check Data (1750MHz)

Date: 2020.09.29

Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.368$ S/m; $\epsilon_r = 40.237$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.8 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.29, 8.29, 8.29); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW1750 Head 100mw/Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 4.34 W/kg

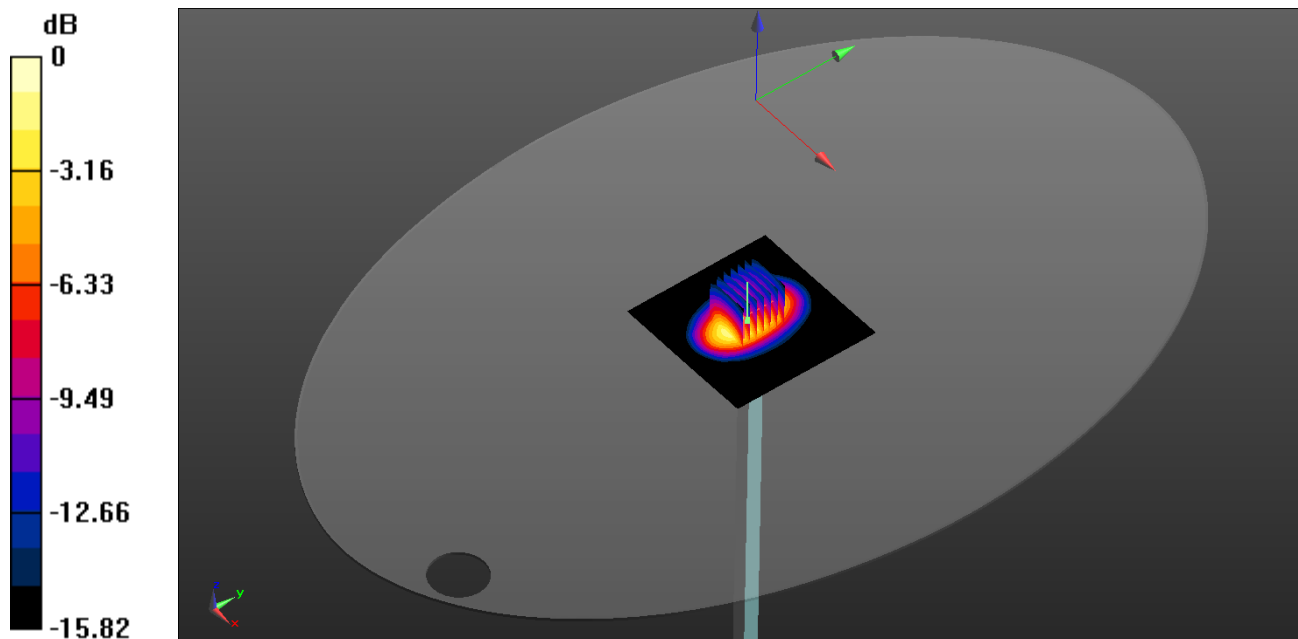
CW1750 Head 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 53.62 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.84 W/kg

SAR(1 g) = 3.84 W/kg; SAR(10 g) = 2.06 W/kg

Maximum value of SAR (measured) = 4.33 W/kg



0 dB = 4.33 W/kg

System Performance Check Data (1900MHz)

Date: 2020.10.09

Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.413$ S/m; $\epsilon_r = 40.068$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8, 8, 8); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW1900 Head 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.46 W/kg

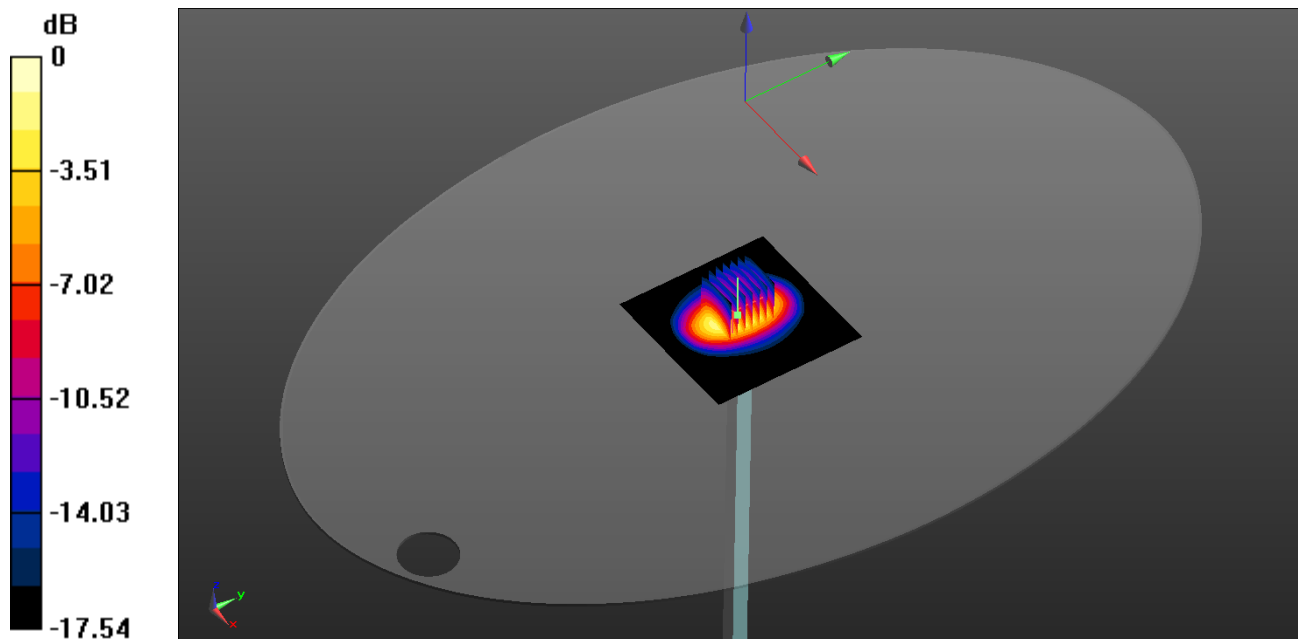
CW1900 Head 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.54 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.37 W/kg

SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.03 W/kg

Maximum value of SAR (measured) = 4.45 W/kg



0 dB = 4.45 W/kg

System Performance Check Data (1900MHz)

Date: 2020.10.10

Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.414$ S/m; $\epsilon_r = 40.037$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8, 8, 8); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW1900 Head 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.70 W/kg

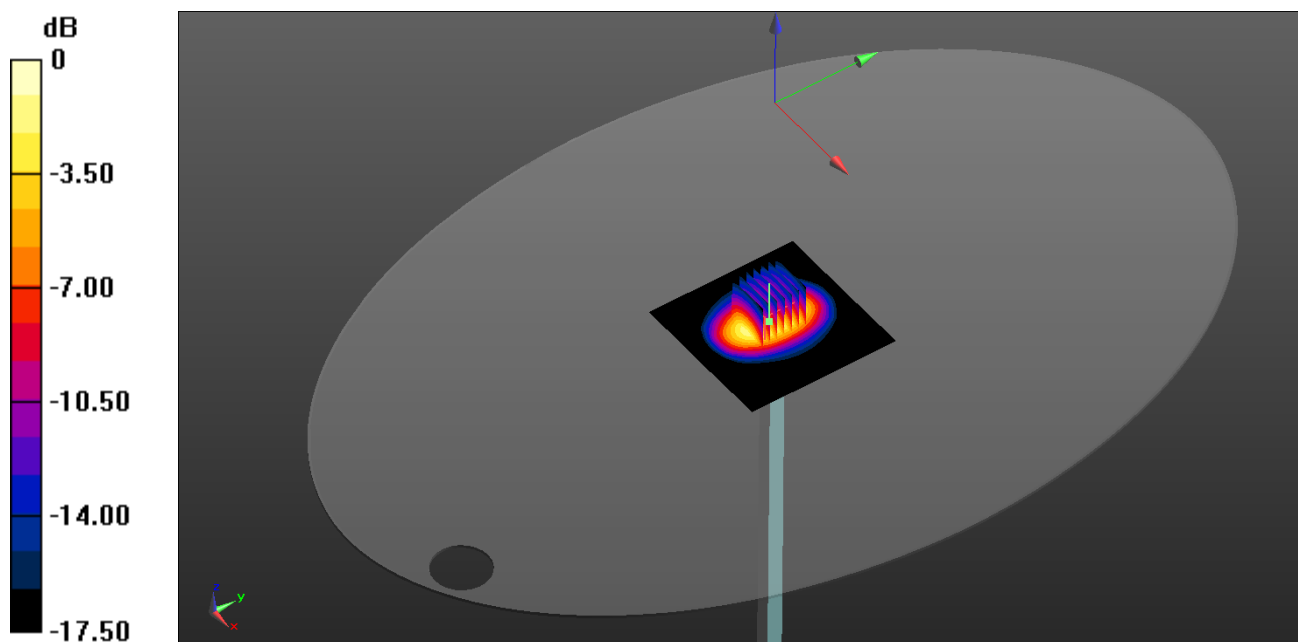
CW1900 Head 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.51 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 7.74 W/kg

SAR(1 g) = 4.14 W/kg; SAR(10 g) = 2.14 W/kg

Maximum value of SAR (measured) = 4.67 W/kg



0 dB = 4.67 W/kg

System Performance Check Data (2450MHz)

Date: 2020.09.25

Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.823$ S/m; $\epsilon_r = 38.115$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(7.55, 7.55, 7.55); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2450 Head 100mw/Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 5.28 W/kg

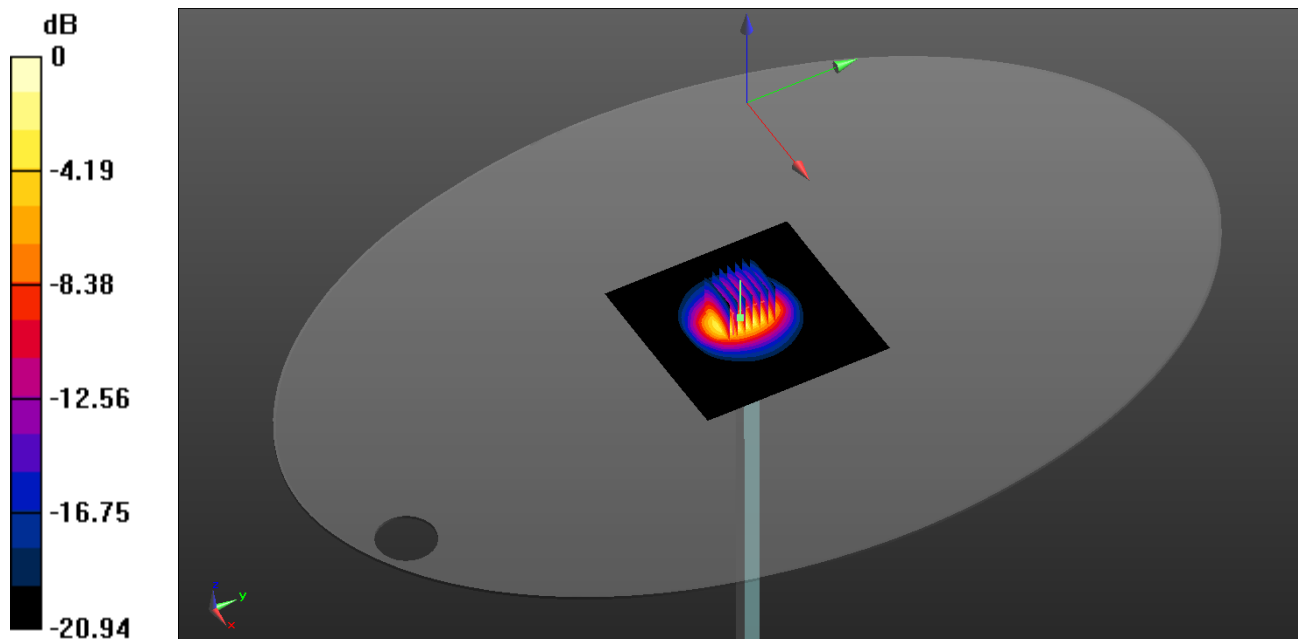
CW2450 Head 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.85 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 10.1 W/kg

SAR(1 g) = 4.97 W/kg; SAR(10 g) = 2.31 W/kg

Maximum value of SAR (measured) = 5.72 W/kg



0 dB = 5.72 W/kg

System Performance Check Data (2600MHz)

Date: 2020.09.26

Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.965$ S/m; $\epsilon_r = 38.638$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(7.34, 7.34, 7.34); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600 Head 100mw/Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.50 W/kg

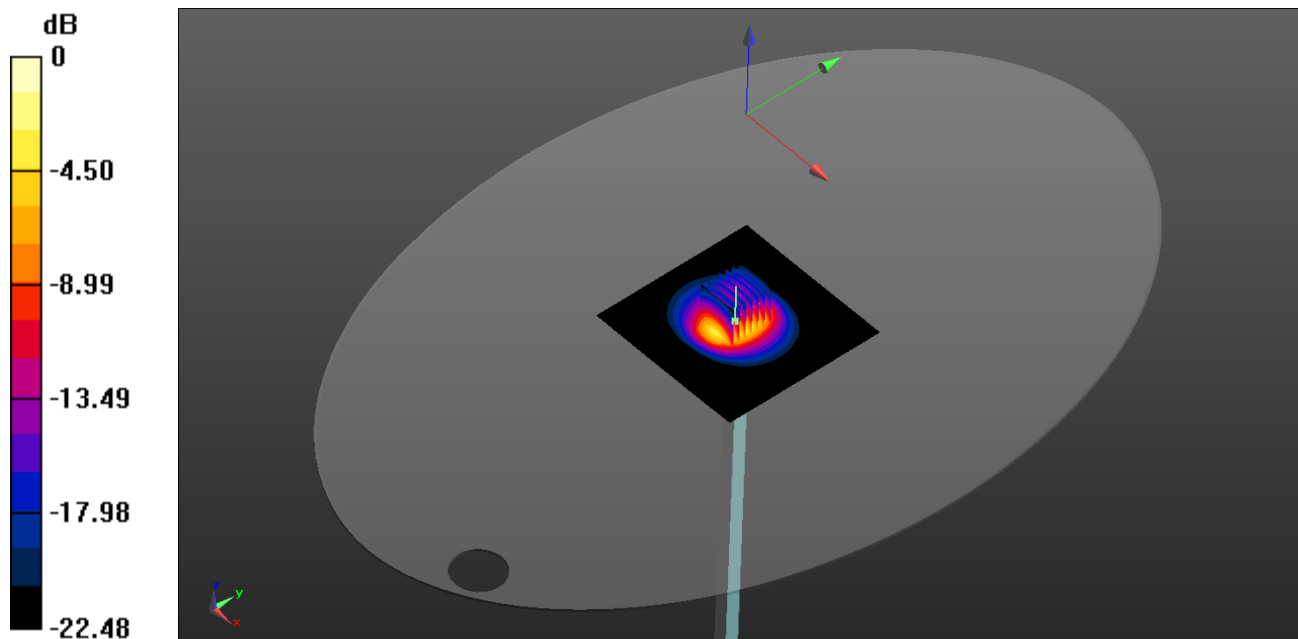
CW2600 Head 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.36 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 5.56 W/kg; SAR(10 g) = 2.49 W/kg

Maximum value of SAR (measured) = 6.44 W/kg



0 dB = 6.44 W/kg

System Performance Check Data (2600MHz)

Date: 2020.09.27

Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.951$ S/m; $\epsilon_r = 38.484$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.8 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(7.34, 7.34, 7.34); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2600 Head 100mw/Area Scan (121x121x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 6.59 W/kg

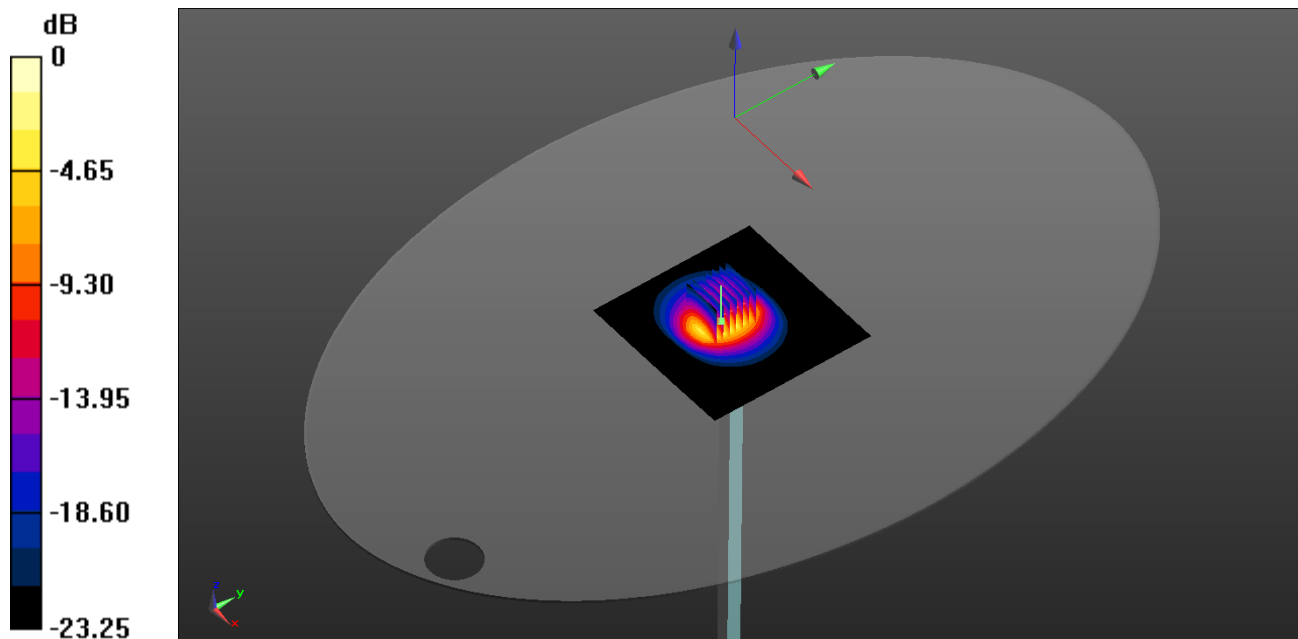
CW2600 Head 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 48.33 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 11.8 W/kg

SAR(1 g) = 5.57 W/kg; SAR(10 g) = 2.48 W/kg

Maximum value of SAR (measured) = 6.40 W/kg



0 dB = 6.40 W/kg

ANNEX C TEST DATA

MEAS.1 Body Plane with Back Side 0mm on High Channel in WCDMA B2 mode

Date: 2020.10.09

Communication System Band: II; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 39.942$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8, 8, 8); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.629 W/kg

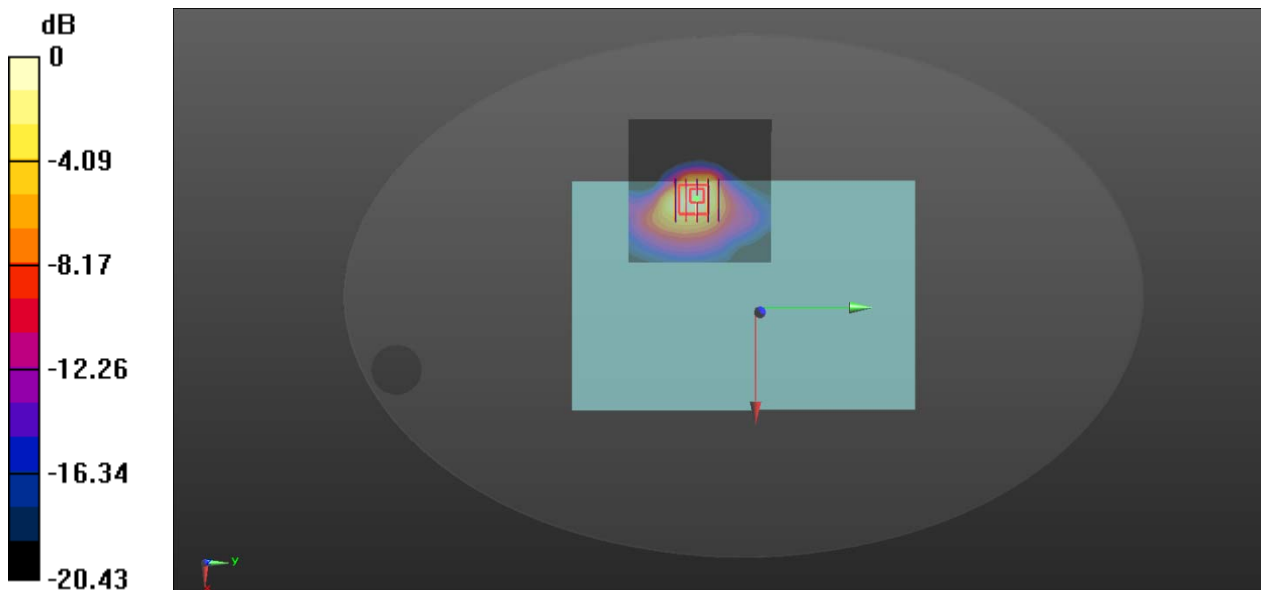
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 0.9450 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.611 W/kg; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 0.624 W/kg



0 dB = 0.624 W/kg

MEAS.2 Body Plane with Back Side 15mm on Middle Channel in WCDMA B2 mode

Date: 2020.10.09

Communication System Band: II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.402$ S/m; $\epsilon_r = 40.215$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8, 8, 8); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.606 W/kg

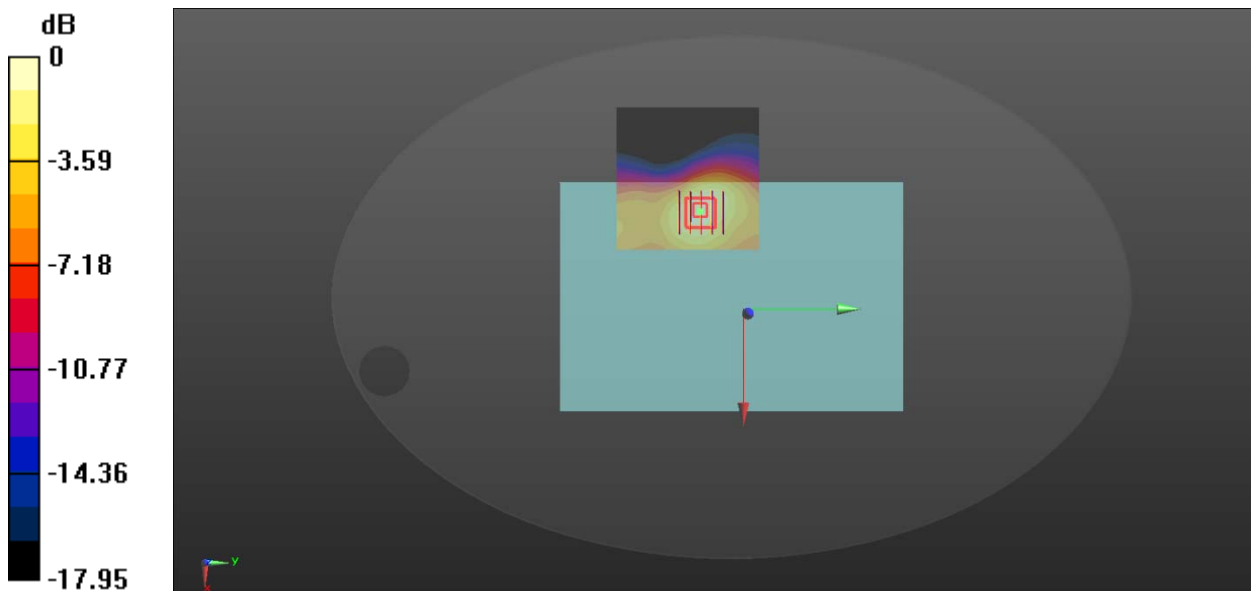
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.159 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.591 W/kg; SAR(10 g) = 0.331 W/kg

Maximum value of SAR (measured) = 0.609 W/kg



0 dB = 0.729 W/kg

MEAS.3 Body Plane with Back Side 0mm on High Channel in WCDMA B4 mode

Date: 2020.09.28

Communication System Band: IV; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1752.6$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 40.065$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.29, 8.29, 8.29); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.570 W/kg

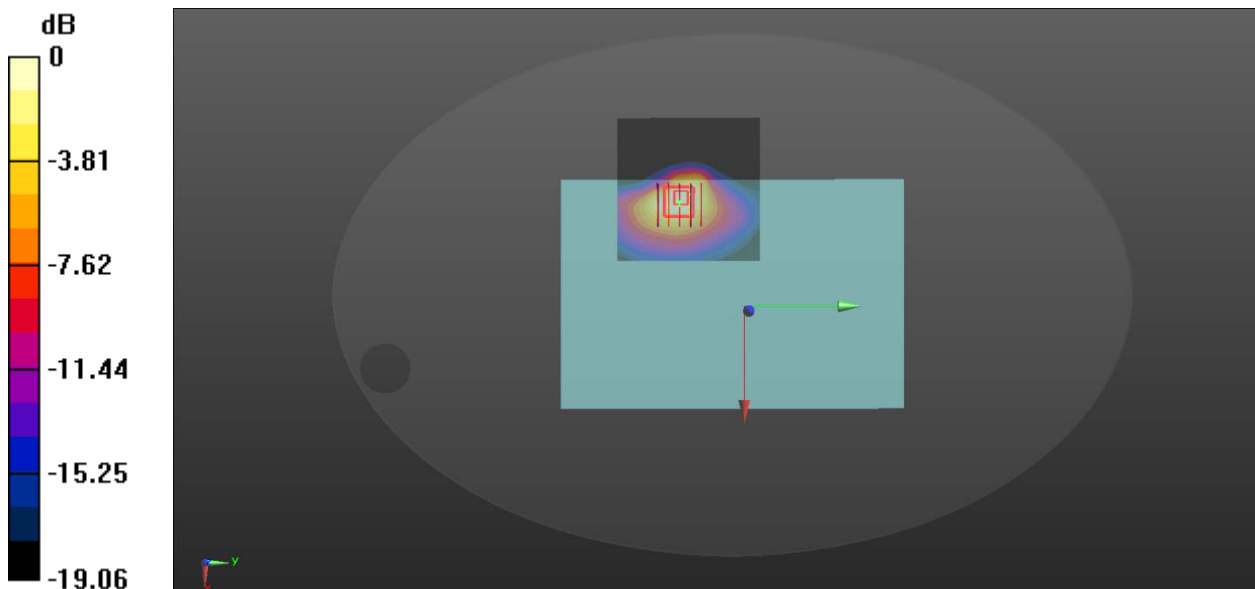
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.353 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.256 W/kg

Maximum value of SAR (measured) = 0.523 W/kg



0 dB = 0.523 W/kg

MEAS.4 Body Plane with Back Side 15mm on High Channel in WCDMA B4 mode

Date: 2020.09.28

Communication System Band: IV; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1752.6$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 40.065$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.29, 8.29, 8.29); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.594 W/kg

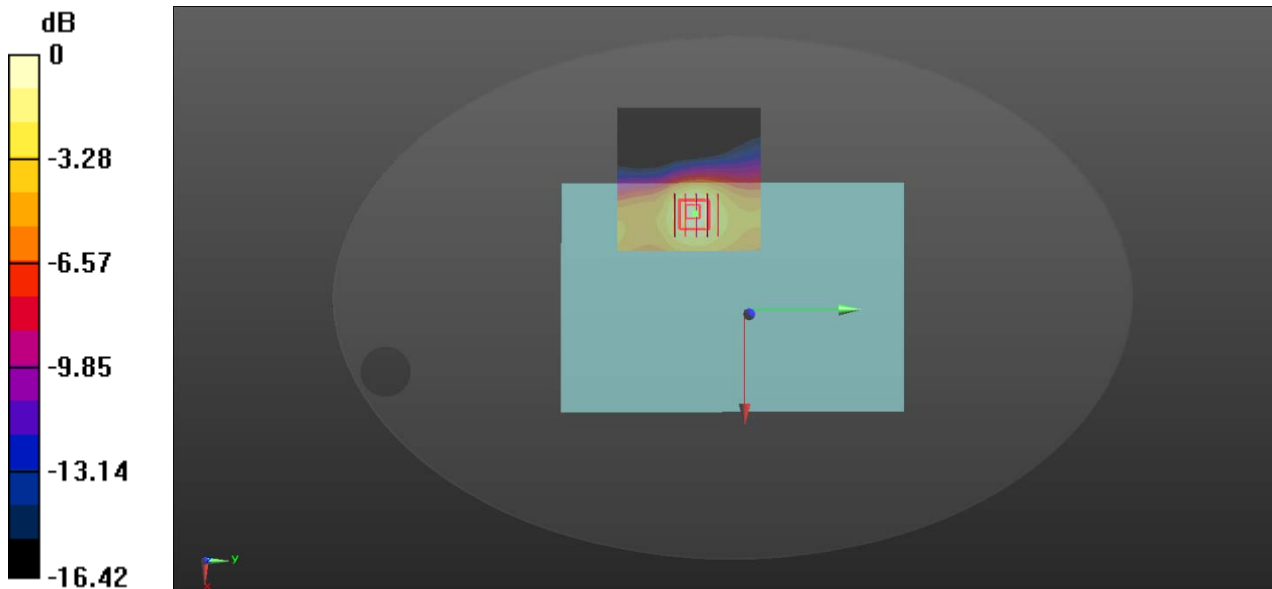
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.010 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.952 W/kg

SAR(1 g) = 0.543 W/kg; SAR(10 g) = 0.314 W/kg

Maximum value of SAR (measured) = 0.608 W/kg



0 dB = 0.608 W/kg

MEAS.5 Body Plane with Back Side 0mm on High Channel in WCDMA B5 mode

Date: 2020.10.13

Communication System Band: V; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 846.6$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 41.612$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.8 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(9.54, 9.54, 9.54); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.612 W/kg

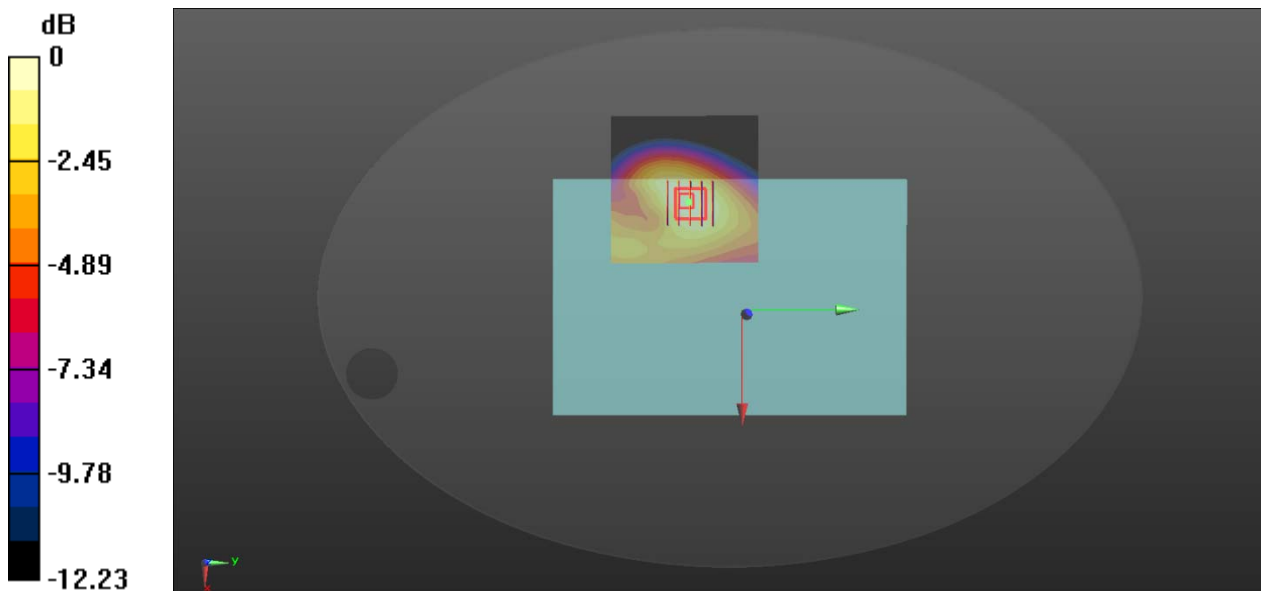
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.4750 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.598 W/kg; SAR(10 g) = 0.297 W/kg

Maximum value of SAR (measured) = 0.623 W/kg



0 dB = 0.623 W/kg

MEAS.6 Body Plane with Back Side 15mm on High Channel in WCDMA B5 mode

Date: 2020.10.13

Communication System Band: V; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 846.6$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 41.612$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.8 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(9.54, 9.54, 9.54); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.480 W/kg

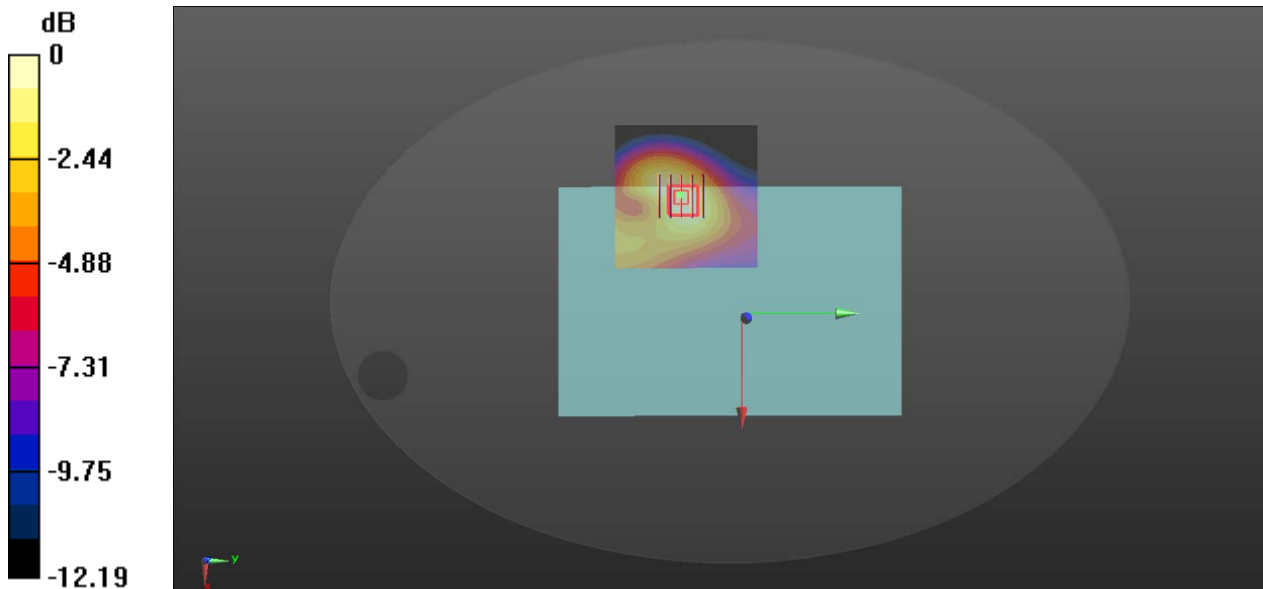
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.579 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.668 W/kg

SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.289 W/kg

Maximum value of SAR (measured) = 0.480 W/kg



0 dB = 0.480 W/kg

MEAS.7 Body Plane with Back Side 0mm on Low Channel in LTE B2 mode with 1RB

Date: 2020.10.10

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.393$ S/m; $\epsilon_r = 40.453$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8, 8, 8); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18700/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.730 W/kg

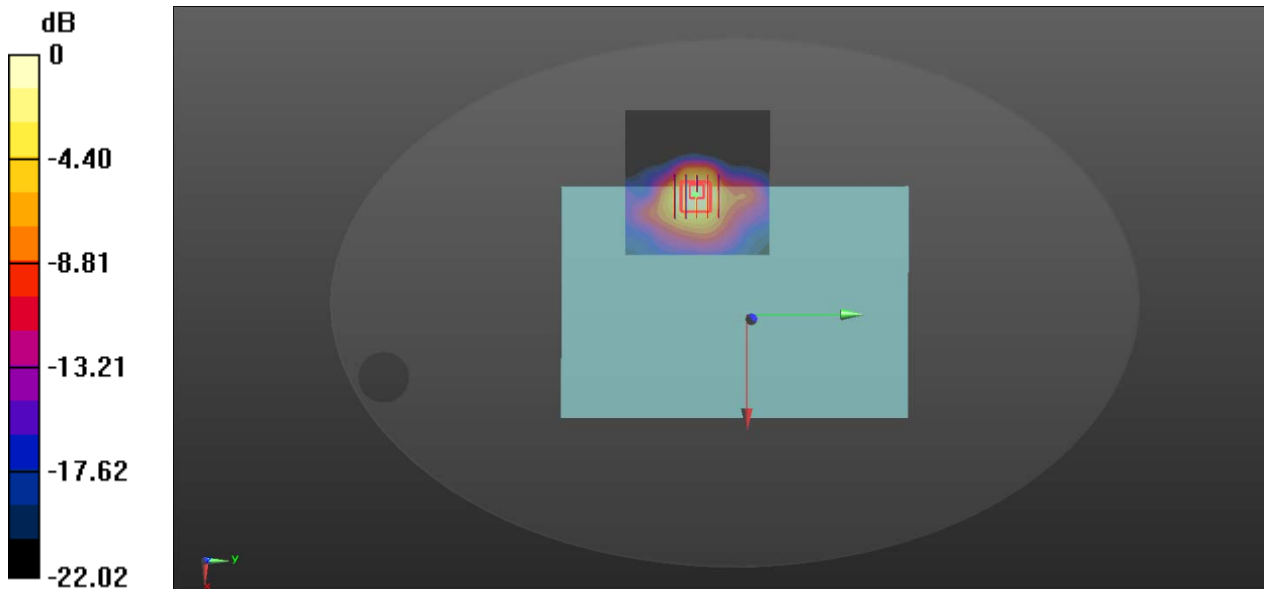
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.272 W/kg

Maximum value of SAR (measured) = 0.633 W/kg



0 dB = 0.633 W/kg

MEAS.8 Body Plane with Back Side 15mm on Low Channel in LTE B2 mode with 1RB

Date: 2020.10.10

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.393$ S/m; $\epsilon_r = 40.453$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8, 8, 8); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18700/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.639 W/kg

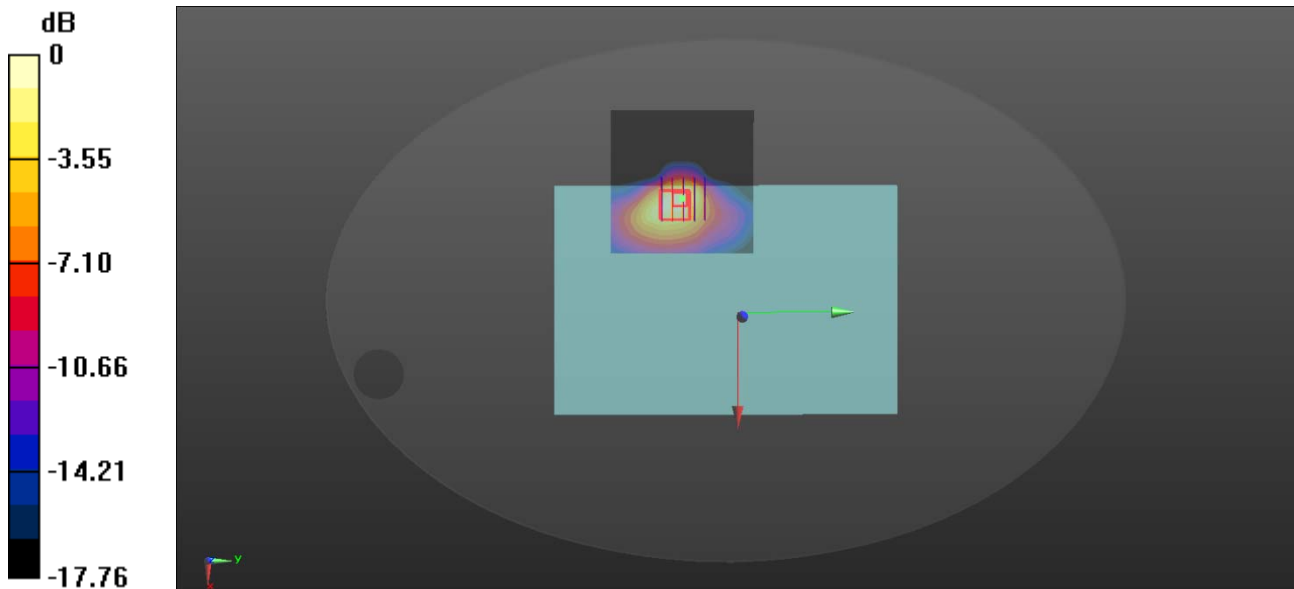
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.496 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.986 W/kg

SAR(1 g) = 0.576 W/kg; SAR(10 g) = 0.331 W/kg

Maximum value of SAR (measured) = 0.630 W/kg



0 dB = 0.630 W/kg

MEAS.9 Body Plane with Back Side 0mm on Low Channel in LTE B4 mode with 1RB

Date: 2020.09.29

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.399$ S/m; $\epsilon_r = 40.523$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.29, 8.29, 8.29); Calibrated: 2020.08.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20050/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.652 W/kg

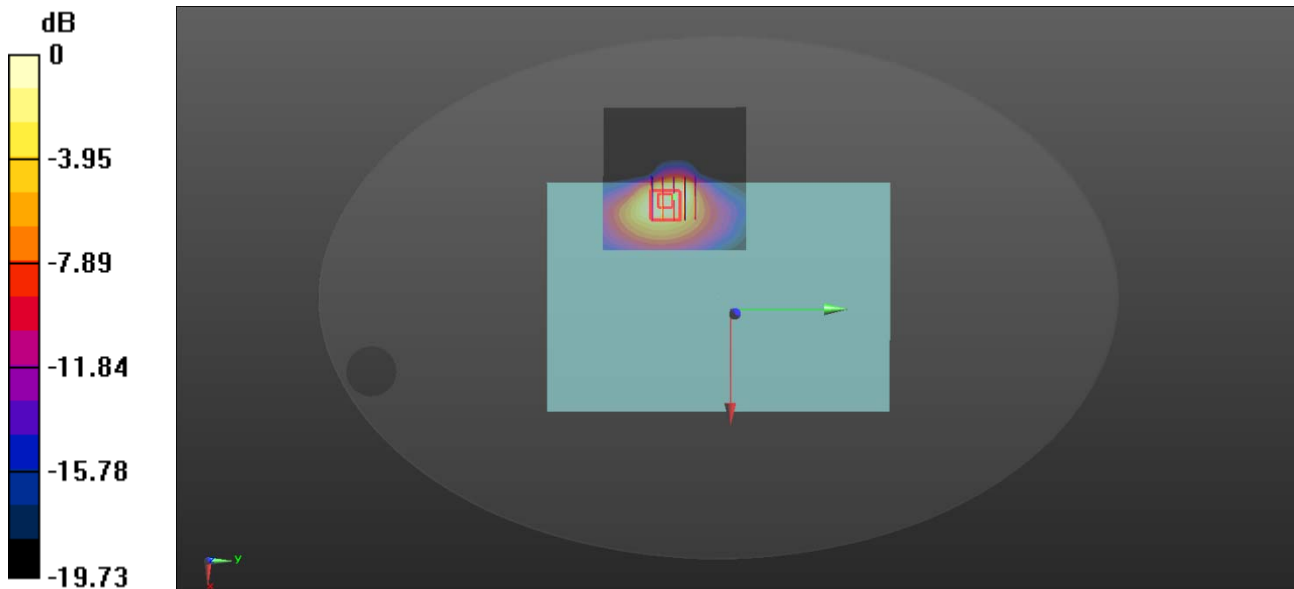
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.5920 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.527 W/kg; SAR(10 g) = 0.273 W/kg

Maximum value of SAR (measured) = 0.545 W/kg



0 dB = 0.545 W/kg

MEAS.10 Body Plane with Back Side 15mm on Low Channel in LTE B4 mode with 1RB

Date: 2020.09.29

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.399$ S/m; $\epsilon_r = 40.523$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.29, 8.29, 8.29); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20050/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.546 W/kg

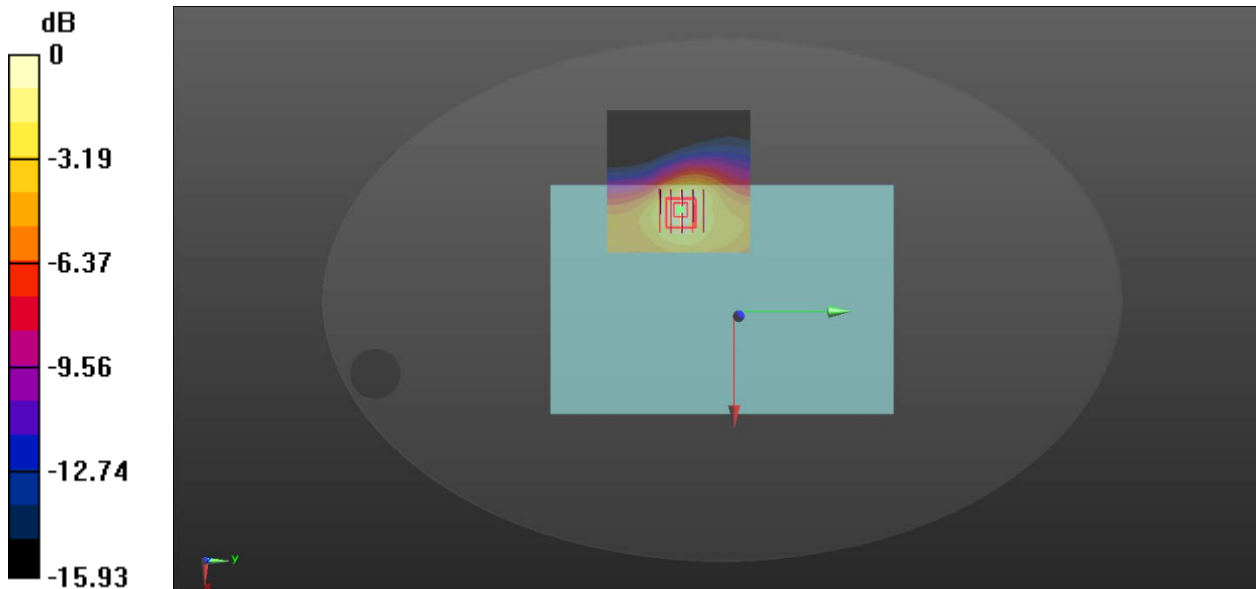
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.858 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.869 W/kg

SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.302 W/kg

Maximum value of SAR (measured) = 0.561 W/kg



0 dB = 0.561 W/kg

MEAS.11 Body Plane with Back Side 0mm on Low Channel in LTE B5 mode with 1RB

Date: 2020.10.11

Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 829 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 829$ MHz; $\sigma = 0.894$ S/m; $\epsilon_r = 41.898$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(9.54, 9.54, 9.54); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20450/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.569 W/kg

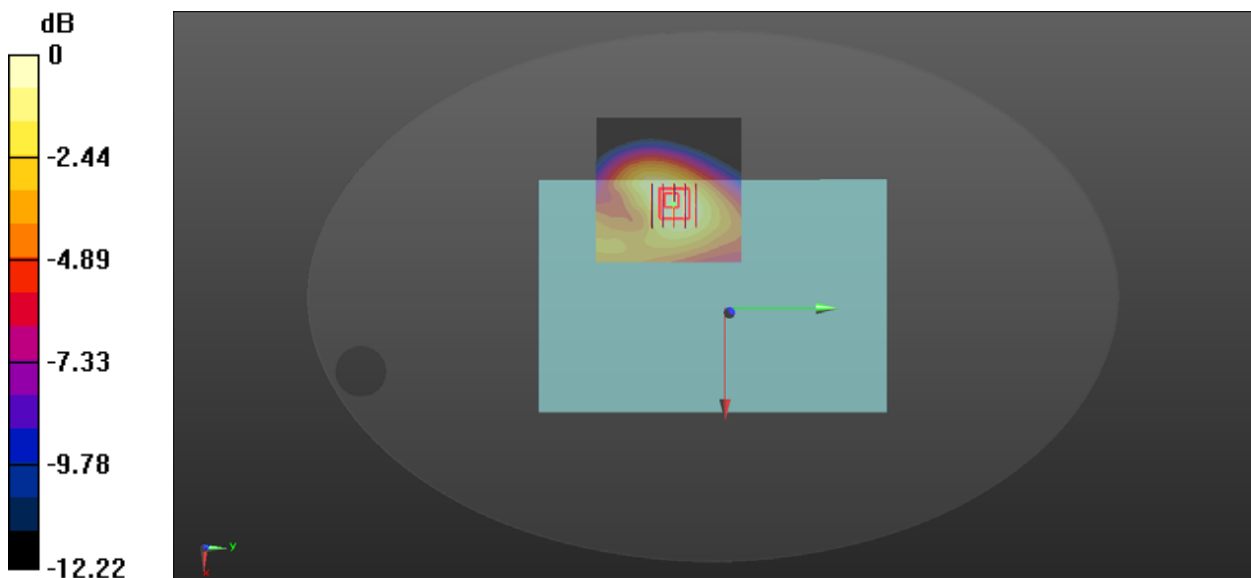
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.1580 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.567 W/kg; SAR(10 g) = 0.284 W/kg

Maximum value of SAR (measured) = 0.585 W/kg



0 dB = 0.585 W/kg

MEAS.12 Body Plane with Back Side 15mm on High Channel in LTE B5 mode with 1RB

Date: 2020.10.11

Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 844 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 844$ MHz; $\sigma = 0.910$ S/m; $\epsilon_r = 41.735$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(9.54, 9.54, 9.54); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20600/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.301 W/kg

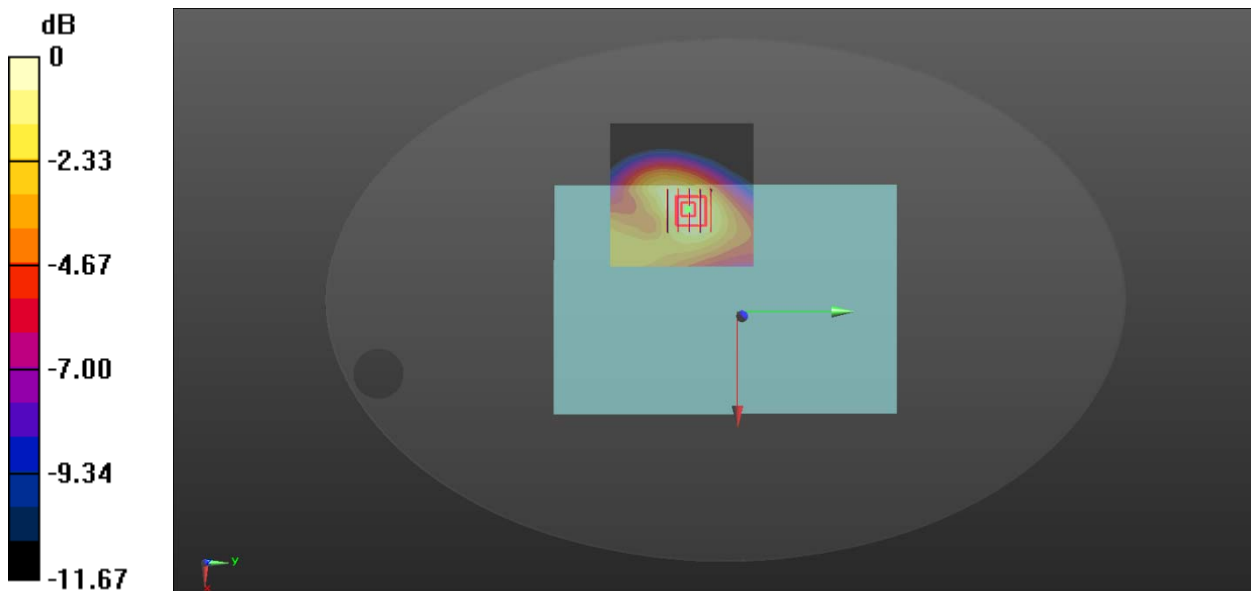
Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.736 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.407 W/kg

SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.183 W/kg

Maximum value of SAR (measured) = 0.297 W/kg



0 dB = 0.297 W/kg

MEAS.13 Body Plane with Back Side 0mm on High Channel in LTE B7 mode with 1RB

Date: 2020.09.26

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2560$ MHz; $\sigma = 1.919$ S/m; $\epsilon_r = 39.048$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(7.34, 7.34, 7.34); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21350/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.672 W/kg

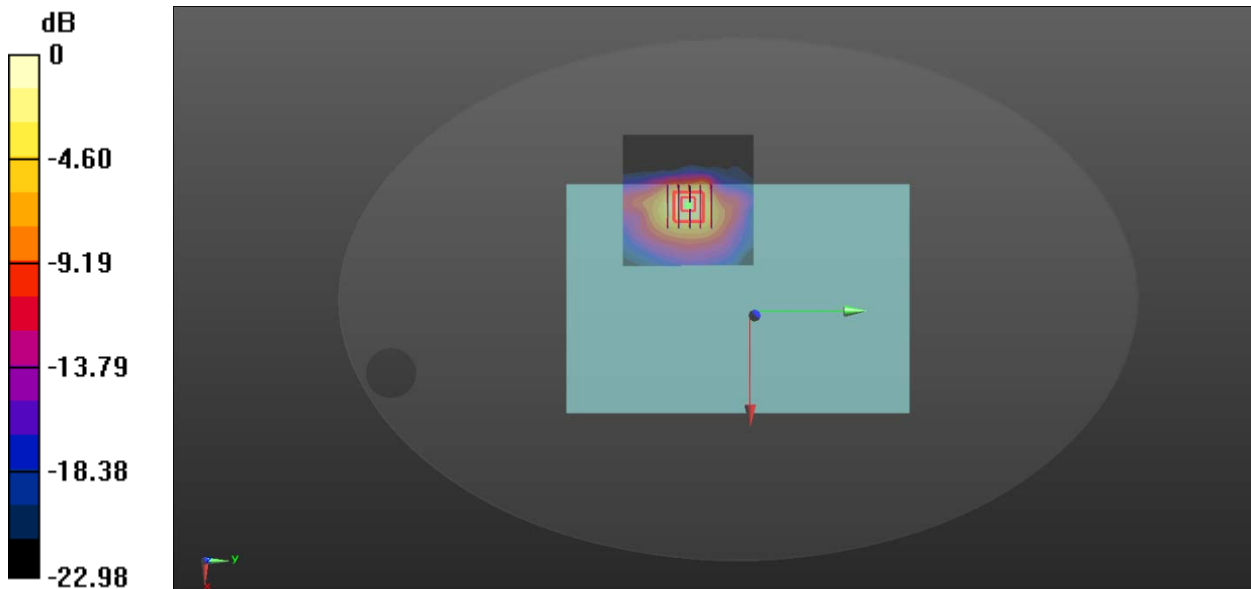
Ch21350/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.559 W/kg; SAR(10 g) = 0.227 W/kg

Maximum value of SAR (measured) = 0.638 W/kg



0 dB = 0.638 W/kg

MEAS.14 Body Plane with Back Side 15mm on High Channel in LTE B7 mode with 1RB

Date: 2020.09.26

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2560$ MHz; $\sigma = 1.919$ S/m; $\epsilon_r = 39.048$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(7.34, 7.34, 7.34); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21350/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.519 W/kg

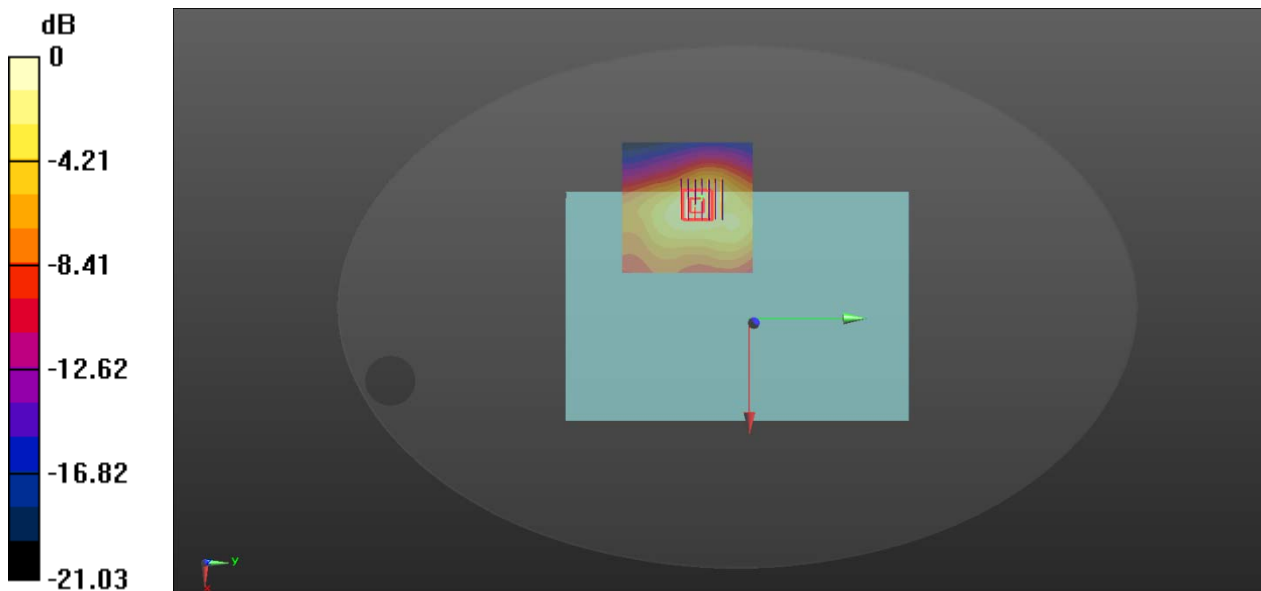
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.081 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.251 W/kg

Maximum value of SAR (measured) = 0.542 W/kg



0 dB = 0.542 W/kg

MEAS.15 Body Plane with Back Side 0mm on Low Channel in LTE B12 mode with 1RB

Date: 2020.10.14

Communication System Band: Band 12, E-UTRA/FDD (698.0 - 716.0 MHz); Frequency: 704 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 704$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 42.582$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23060/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.403 W/kg

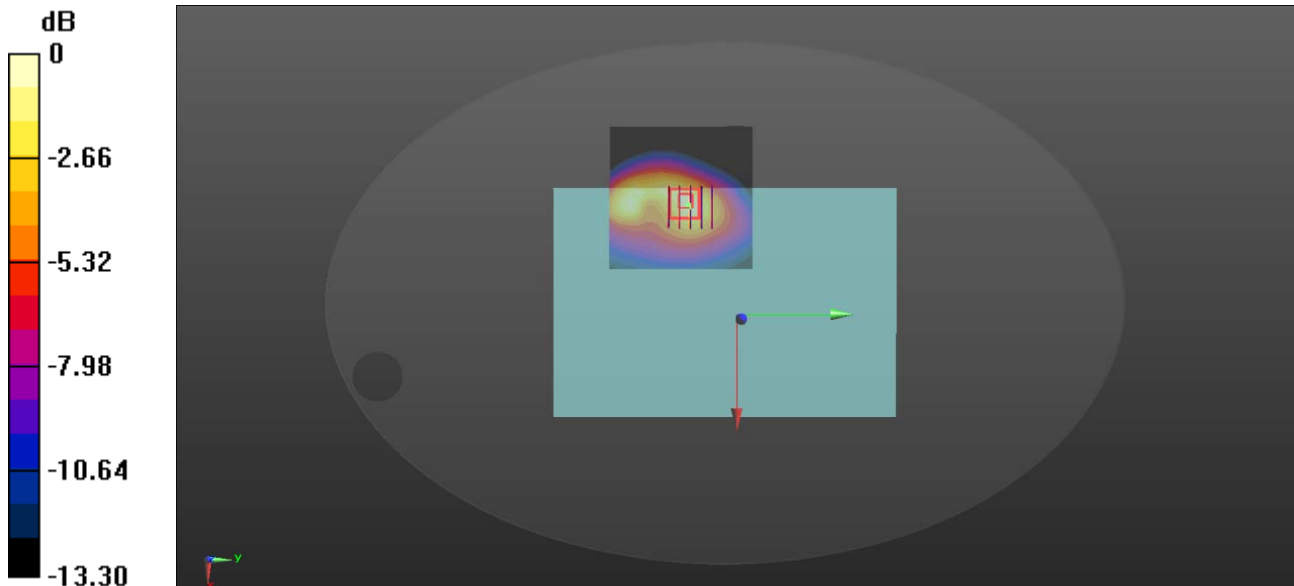
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.066 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.809 W/kg

SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.219 W/kg

Maximum value of SAR (measured) = 0.431 W/kg



0 dB = 0.431 W/kg

MEAS.16 Body Plane with Back Side 15mm on Middle Channel in LTE B12 mode with 1RB

Date: 2020.10.14

Communication System Band: Band 12, E-UTRA/FDD (698.0 - 716.0 MHz); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 707.05$ MHz; $\sigma = 0.888$ S/m; $\epsilon_r = 42.531$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.328 W/kg

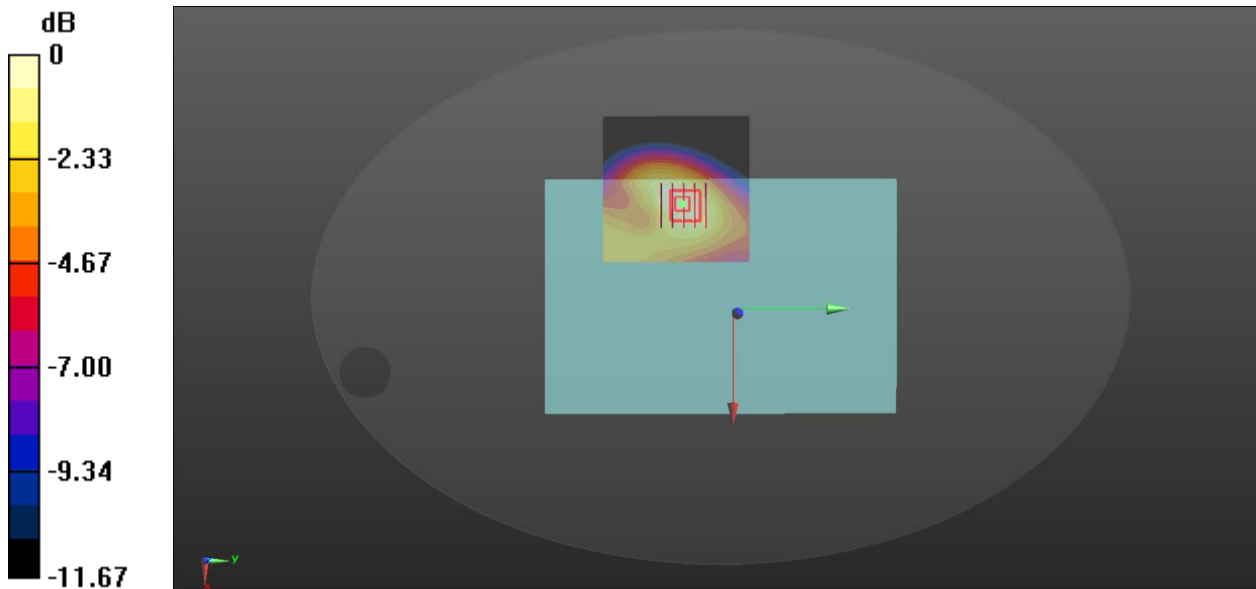
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.836 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.515 W/kg

SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.195 W/kg

Maximum value of SAR (measured) = 0.337 W/kg



0 dB = 0.337 W/kg

MEAS.17 Body Plane with Back Side 0mm on Middle Channel in LTE B13 mode with 1RB

Date: 2020.10.14

Communication System Band: Band 13, E-UTRA/FDD (777.0 - 787.0 MHz); Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.905 \text{ S/m}$; $\epsilon_r = 41.754$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x71x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.468 W/kg

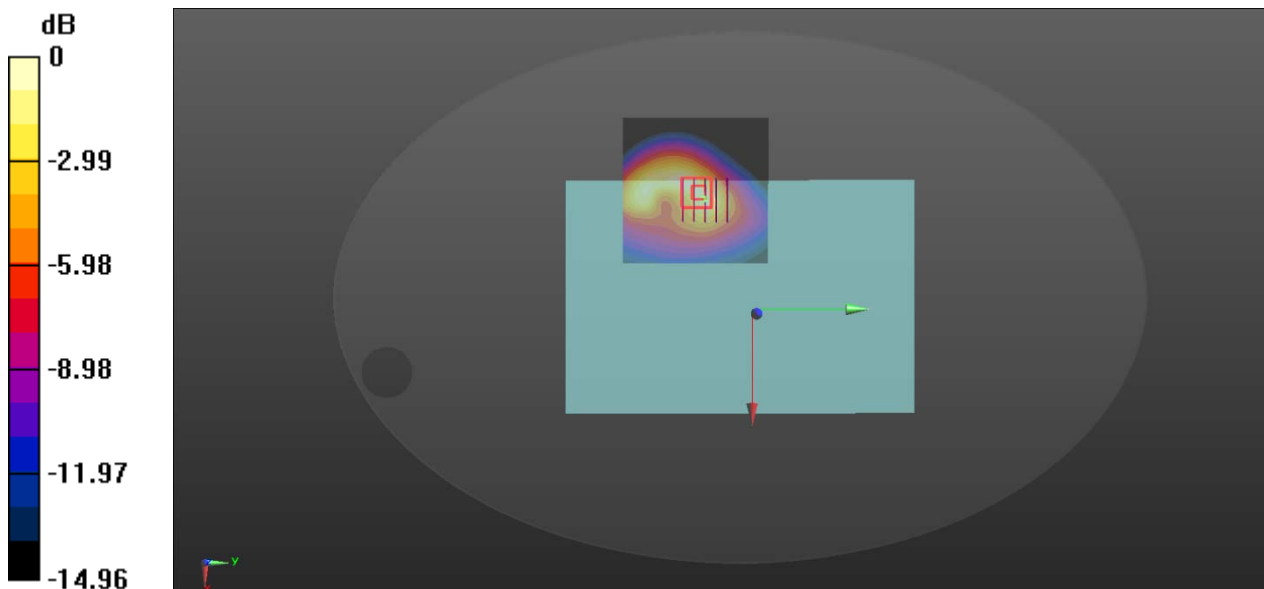
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.369 V/m ; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.973 W/kg

SAR(1 g) = 0.446 W/kg ; SAR(10 g) = 0.233 W/kg

Maximum value of SAR (measured) = 0.493 W/kg



0 dB = 0.493 W/kg

MEAS.18 Body Plane with Back Side 15mm on Middle Channel in LTE B13 mode with 1RB

Date: 2020.10.14

Communication System Band: Band 13, E-UTRA/FDD (777.0 - 787.0 MHz); Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.905 \text{ S/m}$; $\epsilon_r = 41.754$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(9.94, 9.94, 9.94); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x71x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.234 W/kg

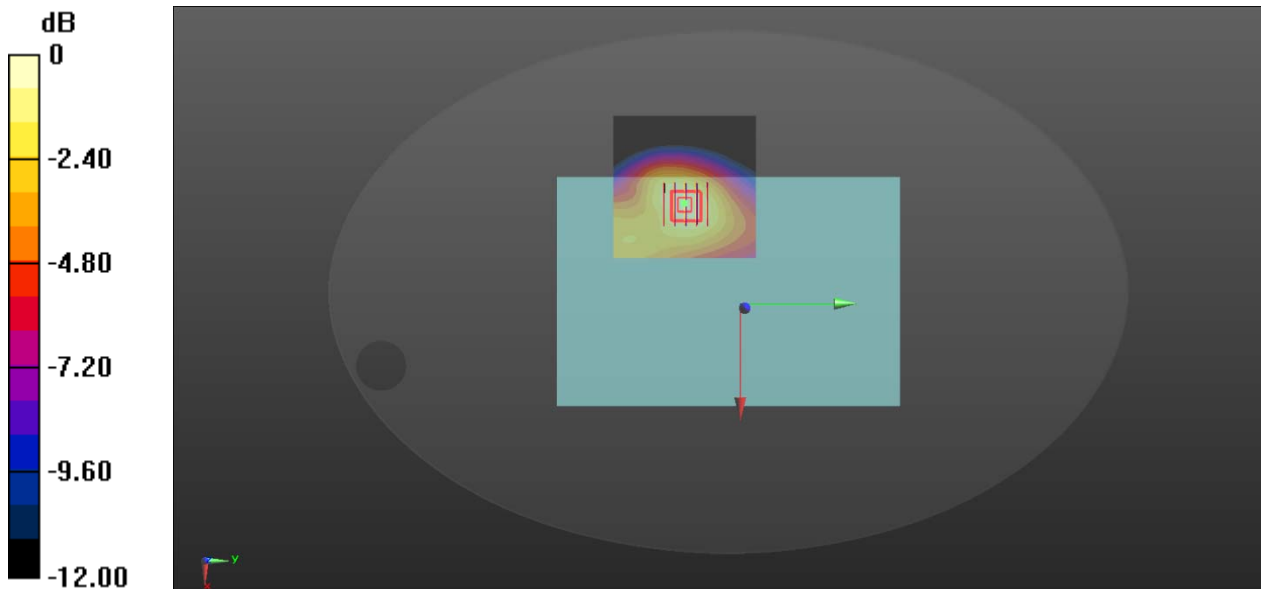
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.264 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.321 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.233 W/kg



0 dB = 0.233 W/kg

MEAS.19 Body Plane with Back Side 0mm on Low Channel in LTE B26 mode with 1RB

Date: 2020.10.12

Communication System Band: Band 26, E-UTRA/FDD (814.0 - 849.0 MHz); Frequency: 821.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 821.5$ MHz; $\sigma = 0.892$ S/m; $\epsilon_r = 41.898$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(9.54, 9.54, 9.54); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26765/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.600 W/kg

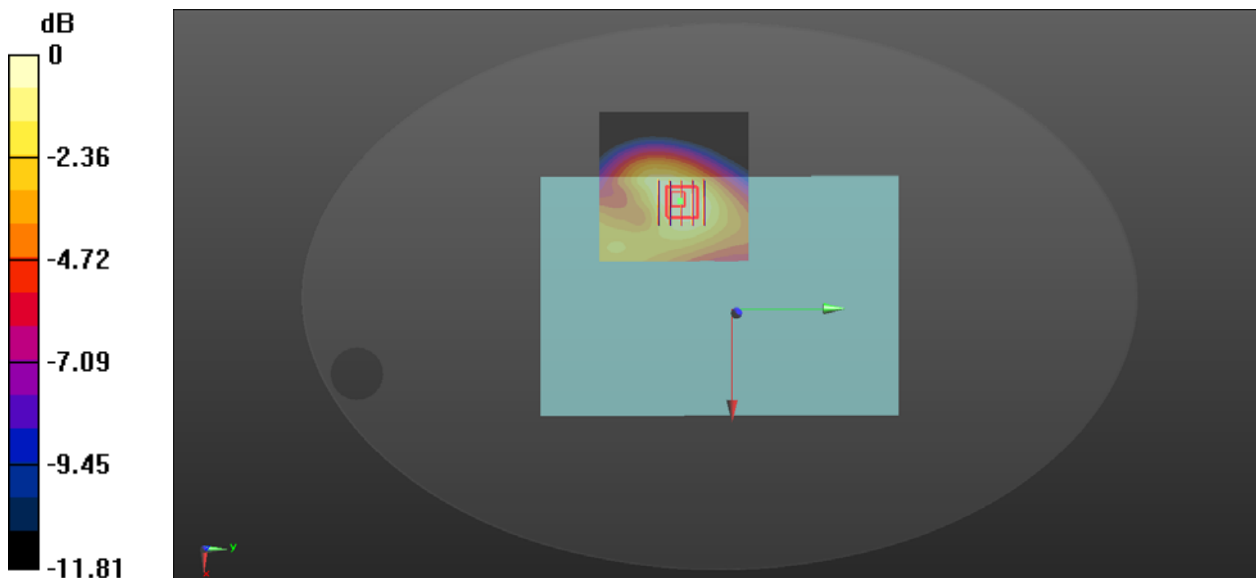
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.333 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.557 W/kg; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 0.576 W/kg



0 dB = 0.576 W/kg

MEAS.20 Body Plane with Back Side 15mm on High Channel in LTE B26 mode with 1RB

Date: 2020.10.12

Communication System Band: Band 26, E-UTRA/FDD (814.0 - 849.0 MHz); Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 841.5$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 41.679$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(9.54, 9.54, 9.54); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26965/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.309 W/kg

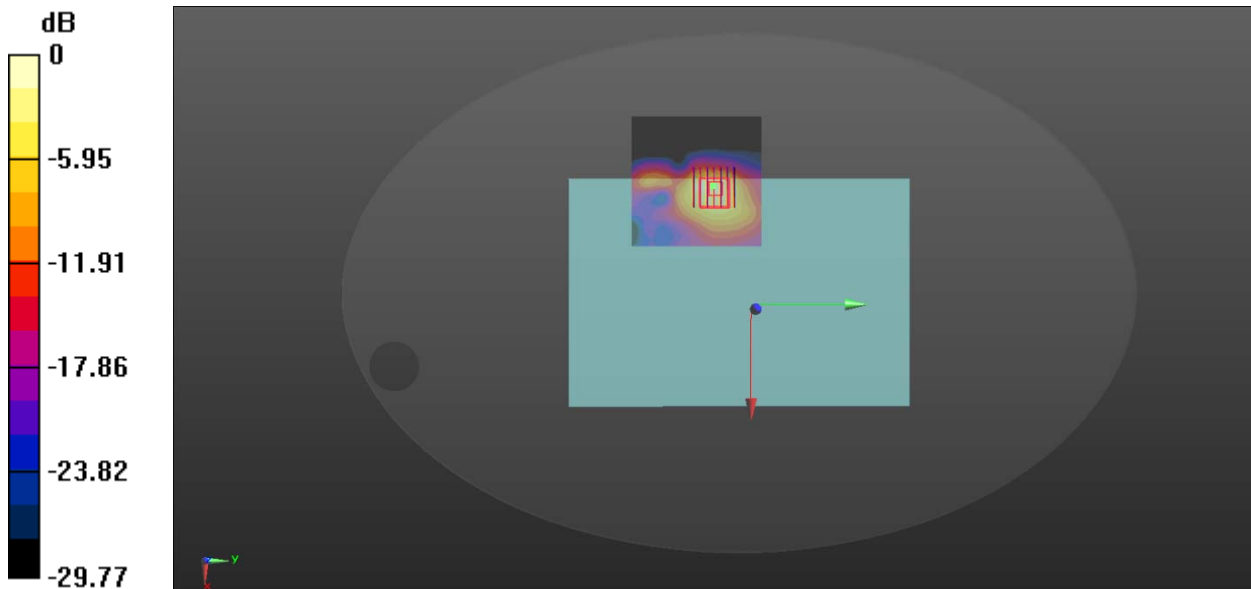
Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.175 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.425 W/kg

SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.186 W/kg

Maximum value of SAR (measured) = 0.306 W/kg



0 dB = 0.306 W/kg

MEAS.21 Body Plane with Back Side 15mm on Middle Channel in LTE B30 mode with 1RB

Date: 2020.9.25

Communication System Band: Band 30, E-UTRA/FDD (2305.0 - 2314.0 MHz); Frequency: 2310 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2310$ MHz; $\sigma = 1.658$ S/m; $\epsilon_r = 39.523$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(7.55, 7.55, 7.55); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch27710/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.692 W/kg

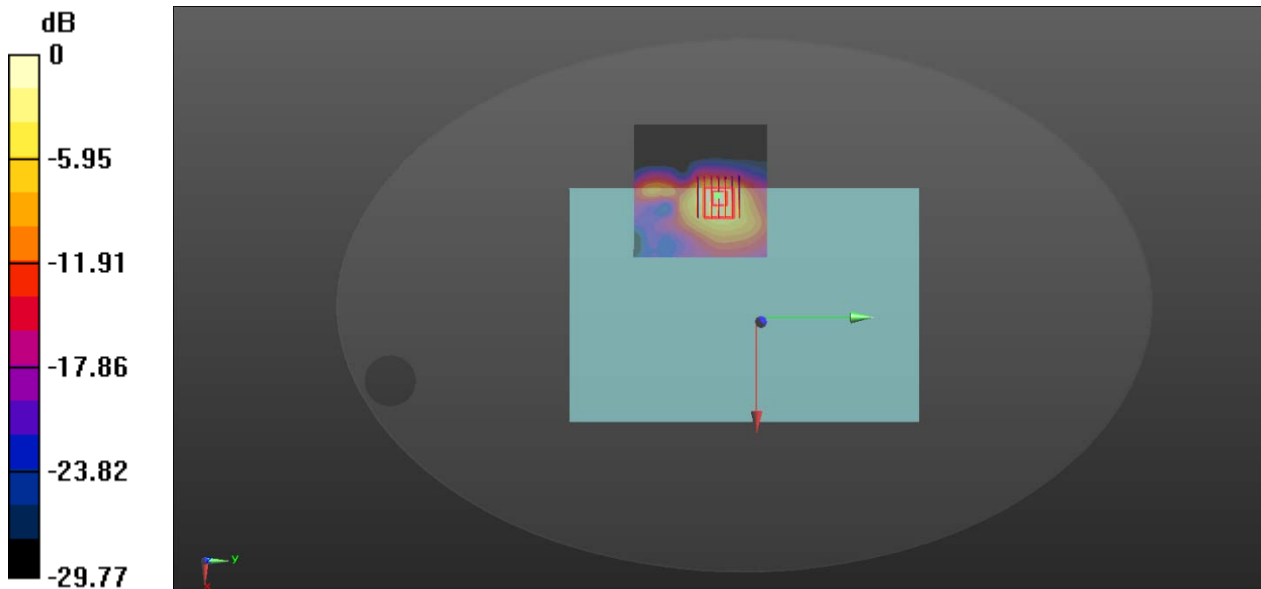
Ch27710/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.154 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.605 W/kg; SAR(10 g) = 0.249 W/kg

Maximum value of SAR (measured) = 0.736 W/kg



0 dB = 0.736 W/kg

MEAS.22 Body Plane with Back Side 15mm on Middle Channel in LTE B30 mode with 1RB

Date: 2020.9.25

Communication System Band: Band 30, E-UTRA/FDD (2305.0 - 2314.0 MHz); Frequency: 2310 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2310$ MHz; $\sigma = 1.658$ S/m; $\epsilon_r = 39.523$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(7.55, 7.55, 7.55); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch27710/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.600 W/kg

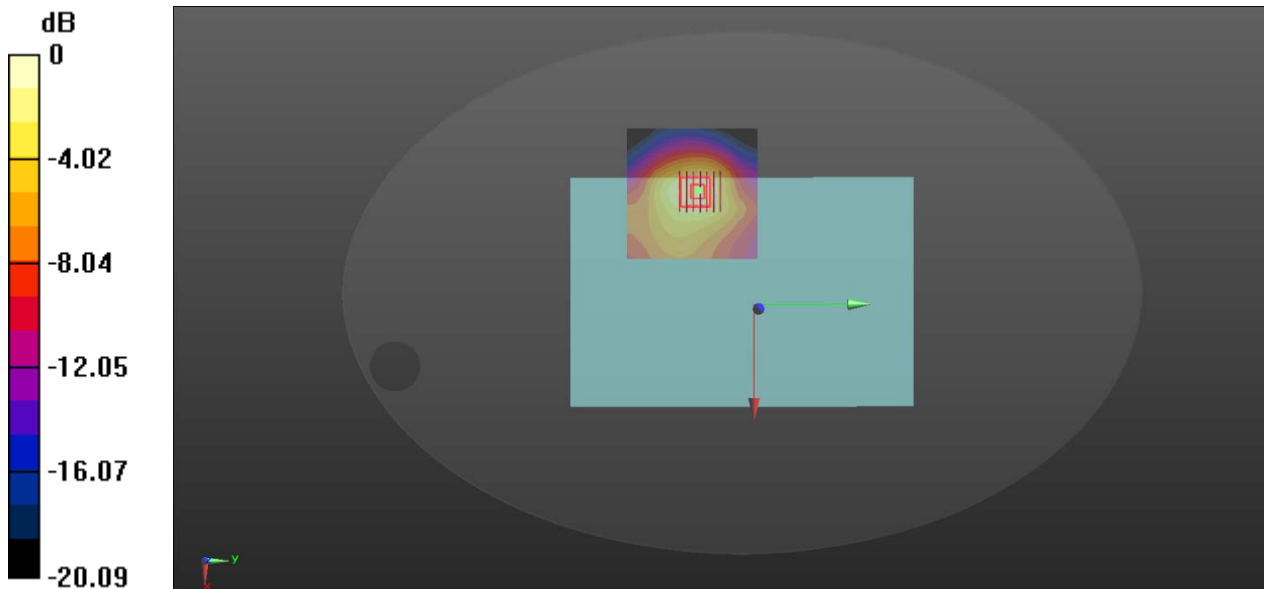
Ch27710/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.376 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.556 W/kg; SAR(10 g) = 0.292 W/kg

Maximum value of SAR (measured) = 0.617 W/kg



0 dB = 0.617 W/kg

MEAS.23 Body Plane with Back Side 0mm on High Channel in LTE B41 mode with 1RB

Date: 2020.09.27

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2636.5 MHz; Duty Cycle: 1:1.58

Medium parameters used: $f = 2636.5$ MHz; $\sigma = 1.998$ S/m; $\epsilon_r = 38.077$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(7.34, 7.34, 7.34); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41055/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.411 W/kg

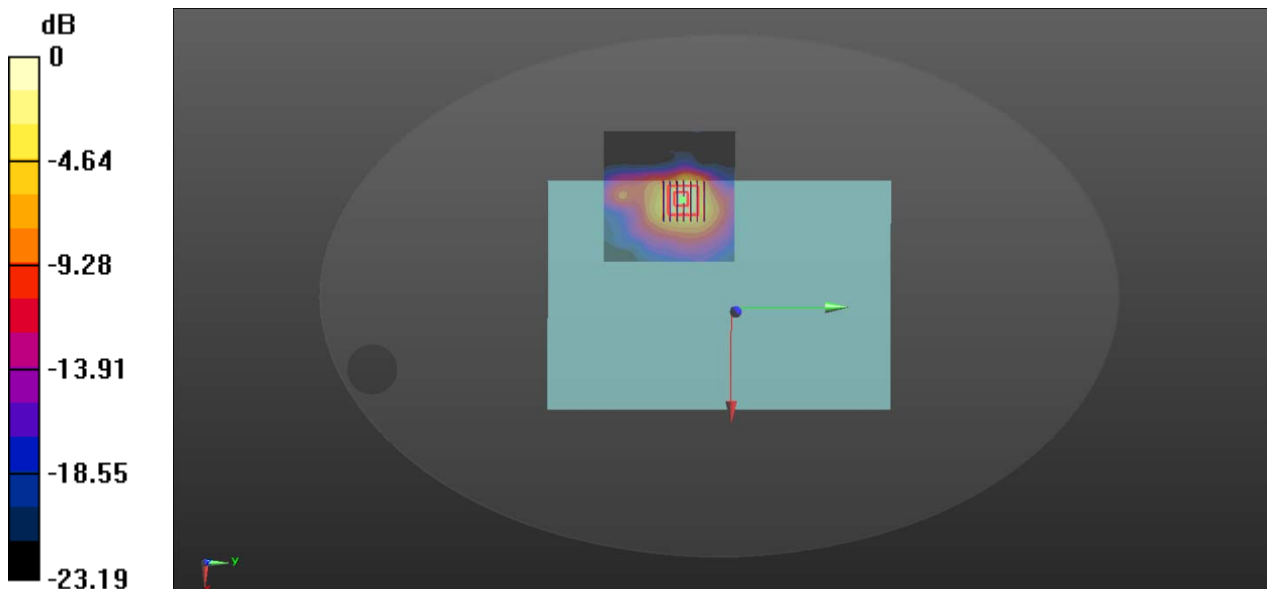
Ch41055/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.161 W/kg

Maximum value of SAR (measured) = 0.438 W/kg



0 dB = 0.438 W/kg

MEAS.24 Body Plane with Back Side 15mm on High Channel in LTE B41 mode with 1RB

Date: 2020.09.27

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz; Duty Cycle: 1:1.58

Medium parameters used: $f = 2680$ MHz; $\sigma = 1.95$ S/m; $\epsilon_r = 37.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.8 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(7.34, 7.34, 7.34); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.418 W/kg

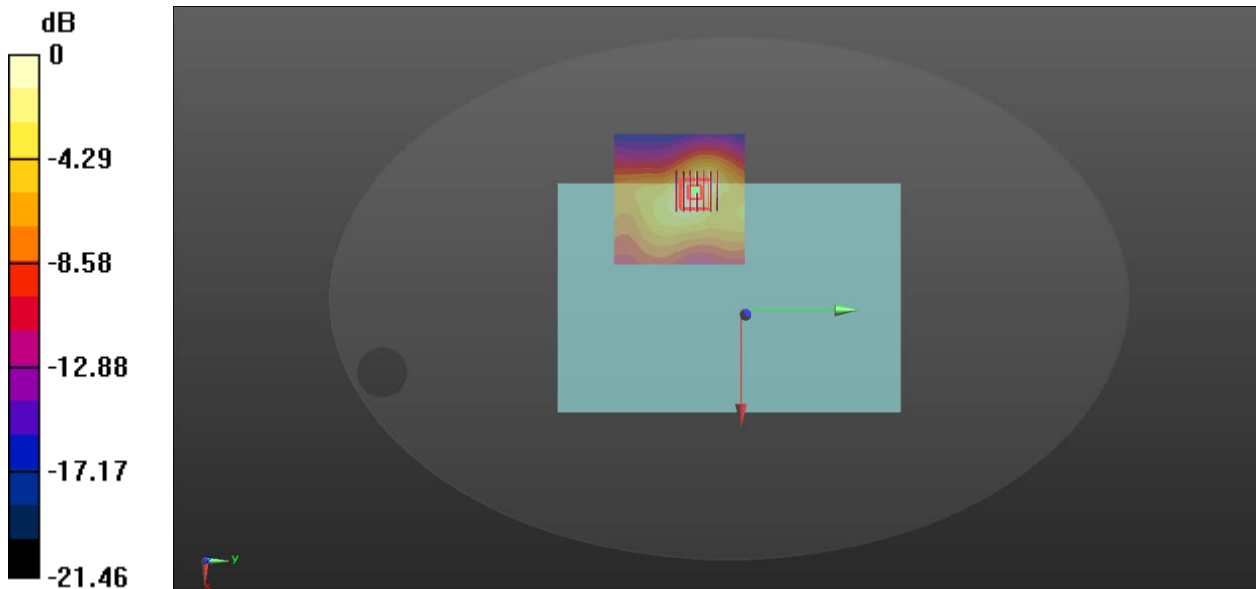
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.346 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.783 W/kg

SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.180 W/kg

Maximum value of SAR (measured) = 0.408 W/kg



0 dB = 0.408 W/kg

MEAS.25 Body Plane with Back Side 0mm on High Channel in LTE B66 mode with 1RB

Date: 2020.09.29

Communication System Band: Band 66, E-UTRA/FDD (1710.0 - 1780.0 MHz); Frequency: 1770 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1770$ MHz; $\sigma = 1.383$ S/m; $\epsilon_r = 40.028$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.29, 8.29, 8.29); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132572/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.641 W/kg

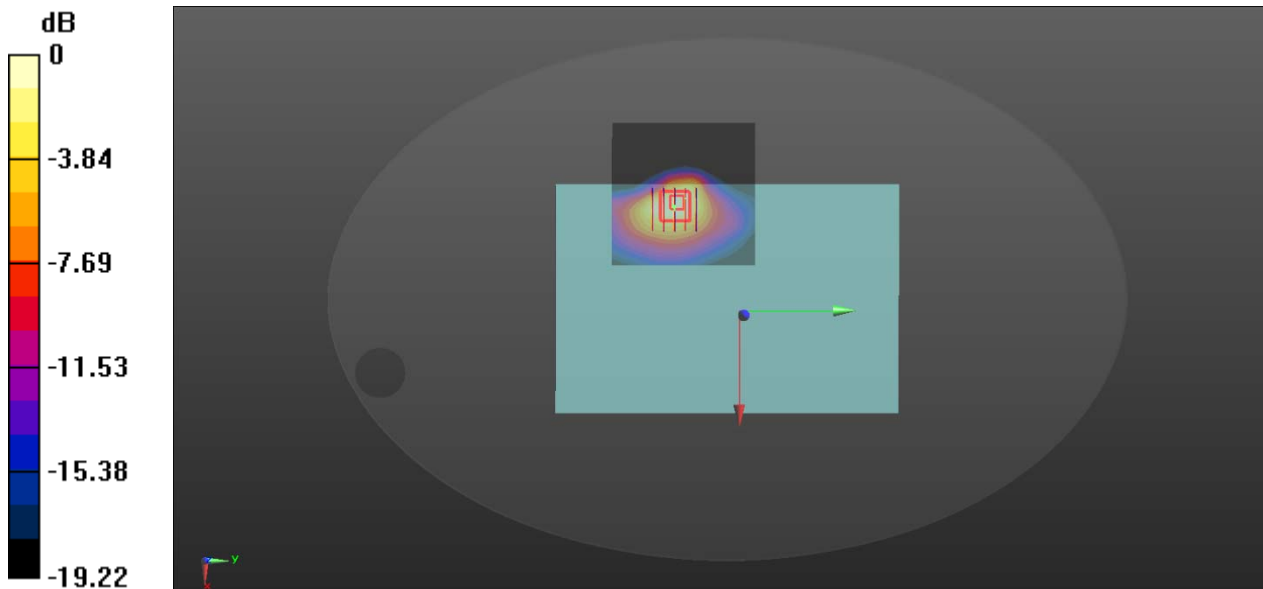
Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.285 W/kg

Maximum value of SAR (measured) = 0.597 W/kg



0 dB = 0.597 W/kg

MEAS.26 Body Plane with Back Side 15mm on High Channel in LTE B66 mode with 1RB

Date: 2020.09.29

Communication System Band: Band 66, E-UTRA/FDD (1710.0 - 1780.0 MHz); Frequency: 1770 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1770$ MHz; $\sigma = 1.383$ S/m; $\epsilon_r = 40.028$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.29, 8.29, 8.29); Calibrated: 2020.07.06;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn360; Calibrated: 2019.10.16
- Phantom: ELI v4.0 (30deg probe tilt); Type: QDOVA001BB; Serial: TP:1012
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132572/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.539 W/kg

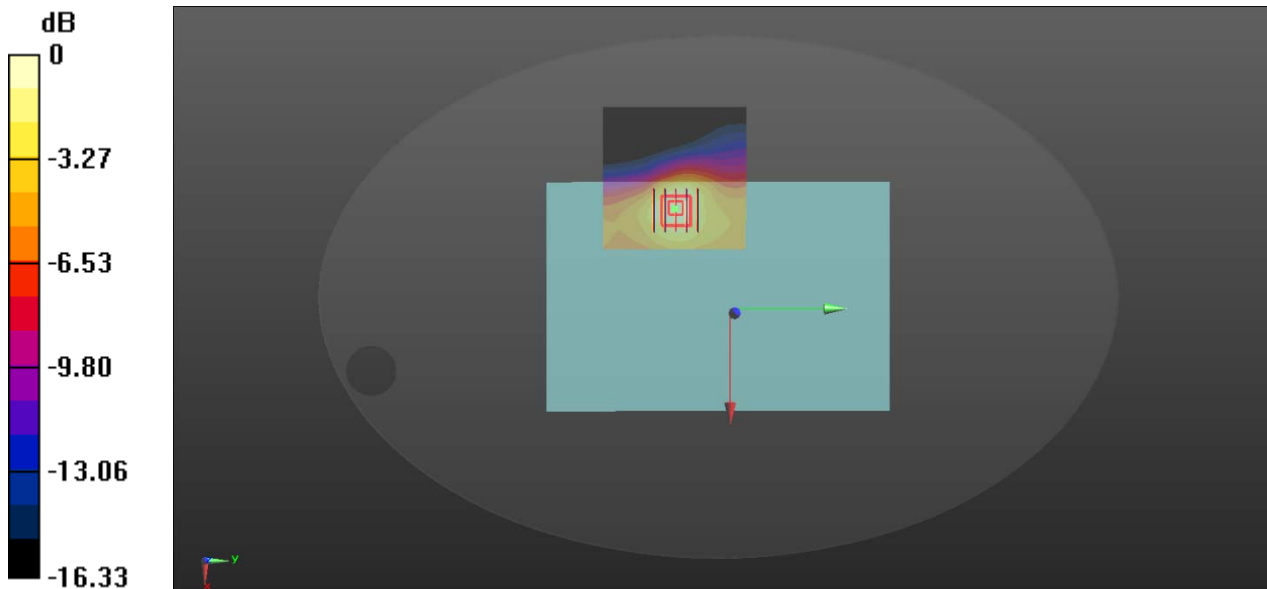
Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.866 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.858 W/kg

SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.286 W/kg

Maximum value of SAR (measured) = 0.547 W/kg



0 dB = 0.547 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2090604-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2090604-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “CALIBRATION REPORT.pdf”.

--END OF REPORT--