TEST REPORT

Applicant:	MEIZU TECHNOLOGY CO., LTD.
Address:	MEIZU Tech Bldg, Technology & Innovation Coast, Zhuhai, 519085, Guangdong, China
Equipment Type:	Mobile Phone
Model Name:	M416L
Brand Name:	MEIZU
FCC ID:	2ANQ6-M416L
Test Standard:	FCC 47 CFR Part 2.1093 (refer to section 3.1)
Maximum SAR:	Head (1 g@0mm): 0.76 W/kg Body-worn (1 g@15mm): 0.74 W/kg Hotspot (1 g@10mm): 1.04 W/kg Specific (10 g@0mm): 2.67 W/kg
Sample Arrival Date:	Jul. 02, 2024
Test Date:	Jul. 02, 2024 - Jul. 20, 2024
Date of Issue:	Aug. 07, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Zhang Jiwei

Checked by: Xu Rui

Approved by: Tolan Tu

(Testing Director)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Aug. 05, 2024	Initial Issue
Rev. 02	Aug. 07, 2024	Updated the Power reduction status in Chapter 11

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☑ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

1.3 Test Environment Condition

Ambient Temperature	18℃ to 25℃
Ambient Relative Humidity	30% to 70%

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	MEIZU TECHNOLOGY CO., LTD.
Address	MEIZU Tech Bldg, Technology & Innovation Coast, Zhuhai, 519085, Guangdong, China

2.2 Manufacturer Information

Manufacturer	MEIZU TECHNOLOGY CO., LTD.
Address	MEIZU Tech Bldg, Technology & Innovation Coast, Zhuhai, 519085, Guangdong, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	M416L
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	V1.0
Software Version	Android 14
Dimensions (Approx.)	170.8mm*78mm*9.35mm
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	BA416
	Serial No.	N/A
	Capacity	Rated: 4850mAh/18.76Wh Typical: 4900mAh/18.96Wh
	Rated Voltage	3.87 V
	Limit Charge Voltage	4.45 V
	Manufacturer	Shenzhenshi jiuliyuan electronic technology co., LTD

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/17/26/66 Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20) 5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3, GPS, GLONASS, Galileo, BDS
Note: The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.	

The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	GSM, WCDMA, LTE, 2.4G WLAN, 5G WLAN, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	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 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 26	TX: 814 ~ 849 MHz	RX: 859 ~ 894 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	802.11b/g/n(HT20)	2412 ~ 2462 MHz	
	802.11a/ /n(HT20/HT40) /ac(VHT20/VHT40/ VHT80)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	Bluetooth	2402 ~ 2480 MHz	
Antenna Type	WWAN: Loop Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna		
DTM	N/A		
Hotspot Function	Support		
Power Reduction	Support		
Exposure Category	General Population/Uncontrolled exposure		
Product Type	Portable Device		
EUT Type	☒ Production unit	☐ Identical prototype	

Note:
1. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4G transmitter for held-to-ear exposure conditions.
2. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4G transmitter for near to body exposure conditions.
3. The reduction power details please refer section 8.6.

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	ANSI C95.1-1992	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	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate(SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
5	KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
6	KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
7	KDB 941225 D06 v02r01	SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES
8	KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
9	KDB 865664 D02 v01r02	RF Exposure Reporting
10	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/ ControlledExposure
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 Values

Equipment Class	Band	Maximum Scaled SAR (W/kg)				Maximum Report SAR (W/kg)			
		Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)	Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)
		1g SAR			10g SAR	1g SAR			10g SAR
PCE	GSM 850	0.30	0.41	0.83	/	**0.76**	**0.74**	**1.04**	**2.67**
	GSM 1900	0.10	0.19	0.43	/				
	WCDMA Band 2	0.18	0.35	0.75	/				
	WCDMA Band 4	0.19	0.20	0.89	/				
	WCDMA Band 5	0.26	0.31	0.58	/				
	LTE Band 2	0.34	0.50	**1.04**	**2.67**				
	LTE Band 4	0.16	0.21	0.76	/				
	LTE Band 5	0.29	0.33	0.61	/				
	LTE Band 7	0.03	0.19	0.34	/				
	LTE Band 12	0.20	0.33	0.35	/				
	LTE Band 17	0.17	0.31	0.33	/				
	LTE Band 26	0.26	0.26	0.53	/				
	LTE Band 66	0.24	0.19	0.60	/				
DTS	2.4 G WIFI	0.66	0.07	0.14	/				
NII	5.2 G WIFI	/	/	0.44	/				
	5.3 G WIFI	0.71	0.41	/	0.87				
	5.6 G WIFI	**0.76**	**0.74**	/	1.12				
	5.8 G WIFI	0.48	0.45	0.65	/				
DSS	DH5	0.05	0.03	0.05	/				
Limit (W/kg)		1.60			4.00	1.60			4.00
Verdict		Pass							

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR (W/kg)			
	Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)
	1g SAR			10g SAR
PCE	**0.99**	**1.27**	**1.53**	**3.25**
DTS	0.92	0.57	1.04	2.67
NII	**0.99**	**1.27**	**1.53**	**3.25**
DSS	**0.99**	**1.27**	**1.53**	**3.25**
Limit (W/Kg)	1.60			4.00
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 13.2				

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 1.04 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.
The maximum 10 g SAR for the EUT in this report is 2.67 W/kg, which is lower than 3.75 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:

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

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

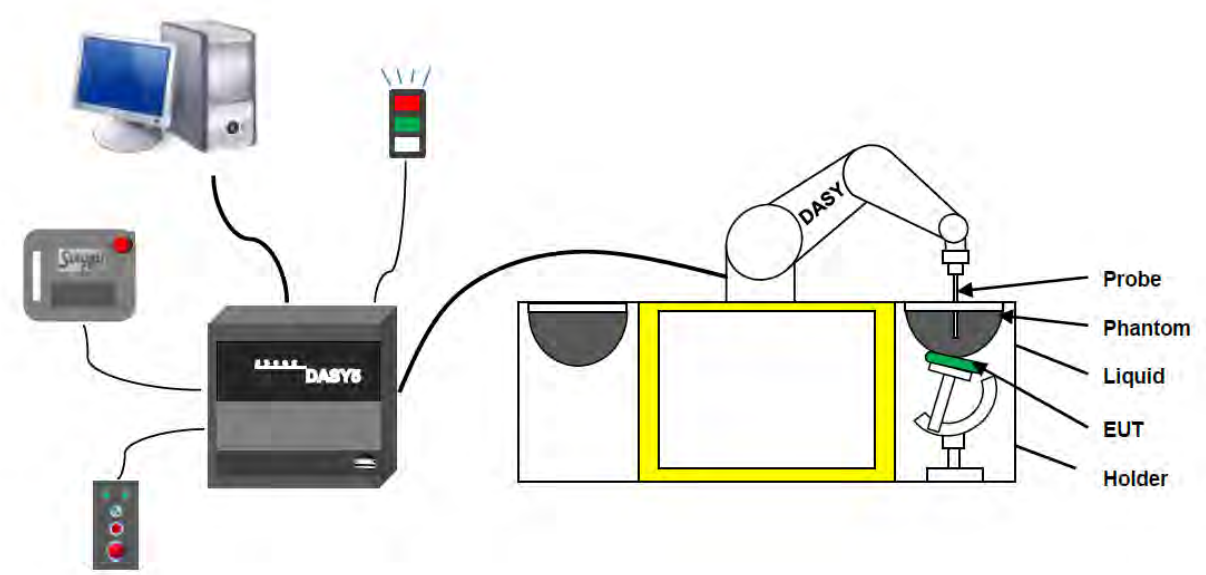
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^{2}}{\boldsymbol{\rho}}$$

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:7510 with following specifications is used.

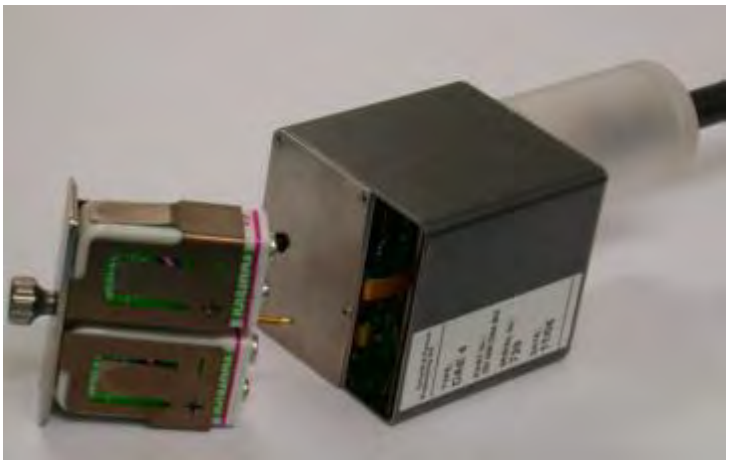
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz; 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 µW/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.



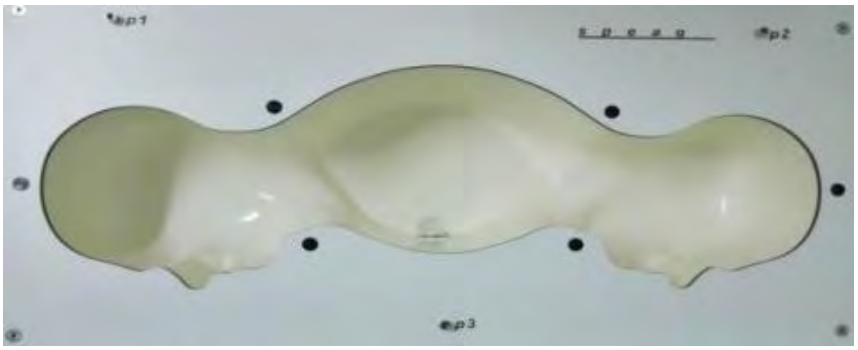
- Input Impedance: 200MOhm
- The Inputs: Symmetrical and Floating
- Commom Mode Rejection: Above 80dB

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 head
- Right head
- Flat phantom

Photo of Phantom SN1576



Serial Number	Material	Length	Height
SN 1576 SAM	Vinylester, glass fiber reinforced	1000	500

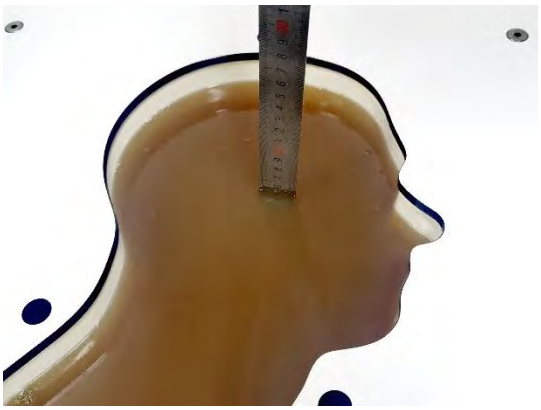
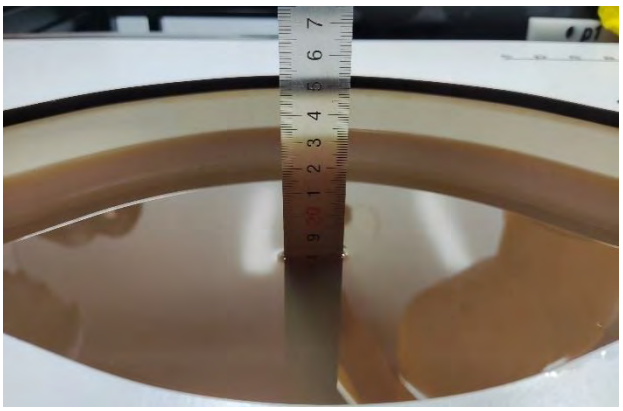
4.2.6 Device Holder

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%.

Head Liquid Depth	Body Liquid Depth
	

The following table gives the recipes for tissue simulating liquid.

TSL	Manufacturer / Model	Freq Range (MHz)	Main Ingredients
Head WideBand	SPEAG HBBL600-10000V6	600-10000	Ethanediol, Sodium petroleum sulfonate, Hexylene Glycol / 2-Methyl-pentane-2.4-diol, Alkoxylated alcohol

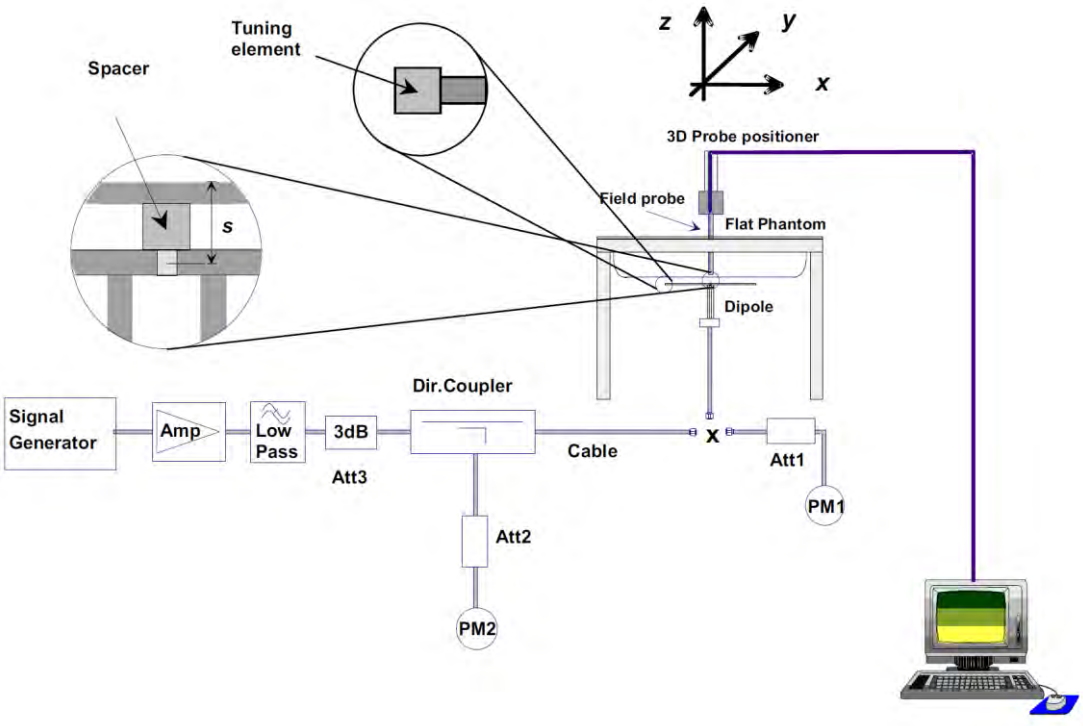
5 SYSTEM VERIFICATION

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

According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

6.1 Head Exposure Conditions

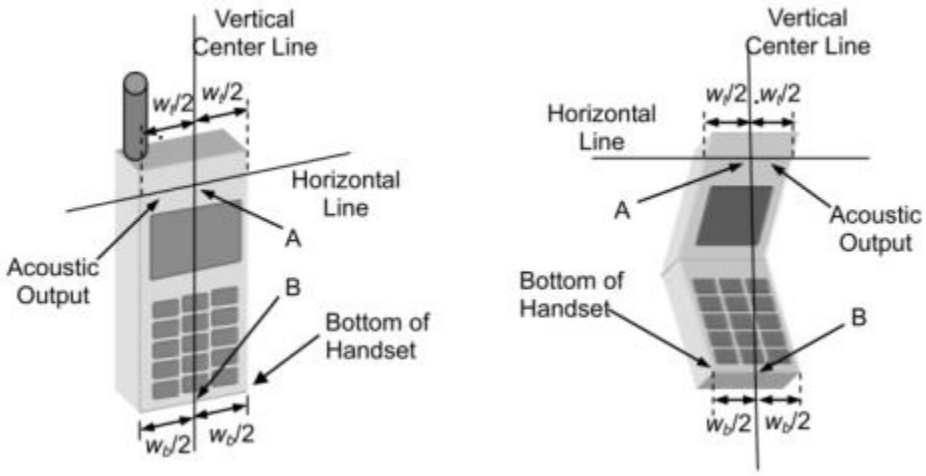
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

(a) The vertical center line passes through two points on the front side of the handset - the midpoint of the width w t of the handset at the level of the acoustic output, and the midpoint of the width w b of the bottom of the handset.

(b) The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.

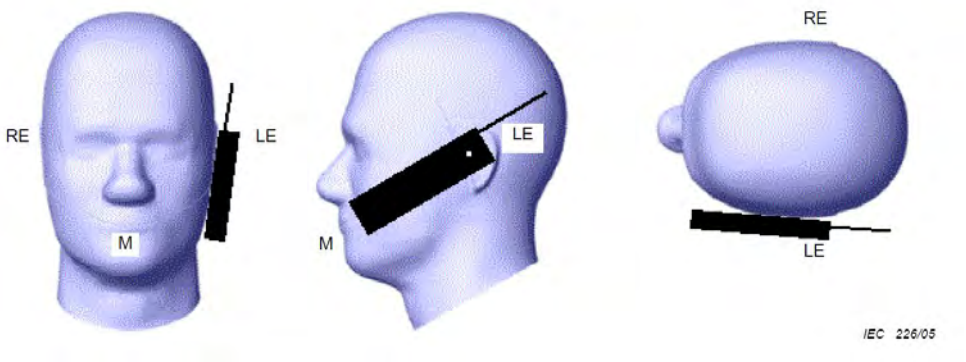
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.



6.1.2 Cheek Position

(a) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.

(b) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.



6.1.3 Tilted Position

(a) To position the device in the “cheek” position described above.

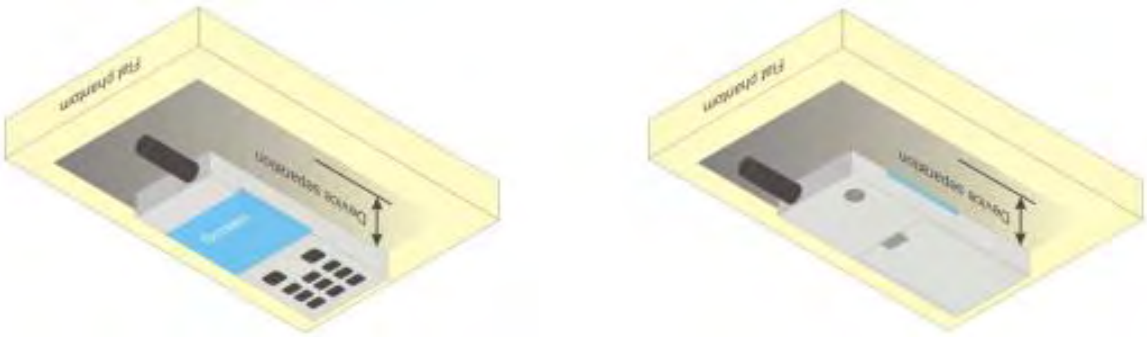
(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

6.2 Body-worn Position Conditions

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB 447498 are used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode. When the reported SAR for a body-worn accessory.

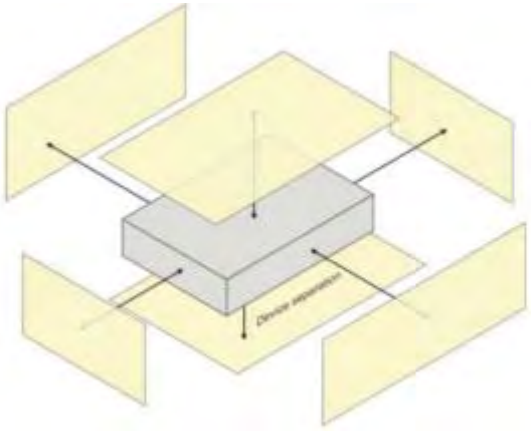
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics. All body-worn accessories containing metallic components are tested in conjunction with the host device.

Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice only operations in its normal and expected use conditions, testing of data mode for body-worn compliance is not required. A conservative minimum test separation distance for supporting off-the-shelf body-worn accessories that may be acquired by users of consumer handsets is used to test for body-worn accessory SAR compliance. This distance is determined by the handset manufacturer, according to the requirements of Supplement C 01-01. Devices that are designed to operate on the body of users using lanyards and straps, or without requiring additional body-worn accessories, will be tested using a conservative minimum test separation distance <= 5 mm to support compliance.



6.3 Hotspot Mode Exposure Position Conditions

For handsets that support hotspot mode operations, with wireless router capabilities and various web browsing functions, the relevant hand and body exposure conditions are tested according to the hotspot SAR procedures in KDB 941225. A test separation distance of 10 mm is required between the phantom and all surfaces and edges with a transmitting antenna located within 25 mm from that surface or edge. When the form factor of a handset is smaller than 9 cm x 5 cm, a test separation distance of 5 mm (instead of 10 mm) is required for testing hotspot mode. When the separation distance required for body-worn accessory testing is larger than or equal to that tested for hotspot mode, in the same wireless mode and for the same surface of the phone, the hotspot mode SAR data may be used to support body-worn accessory SAR compliance for that particular configuration (surface).



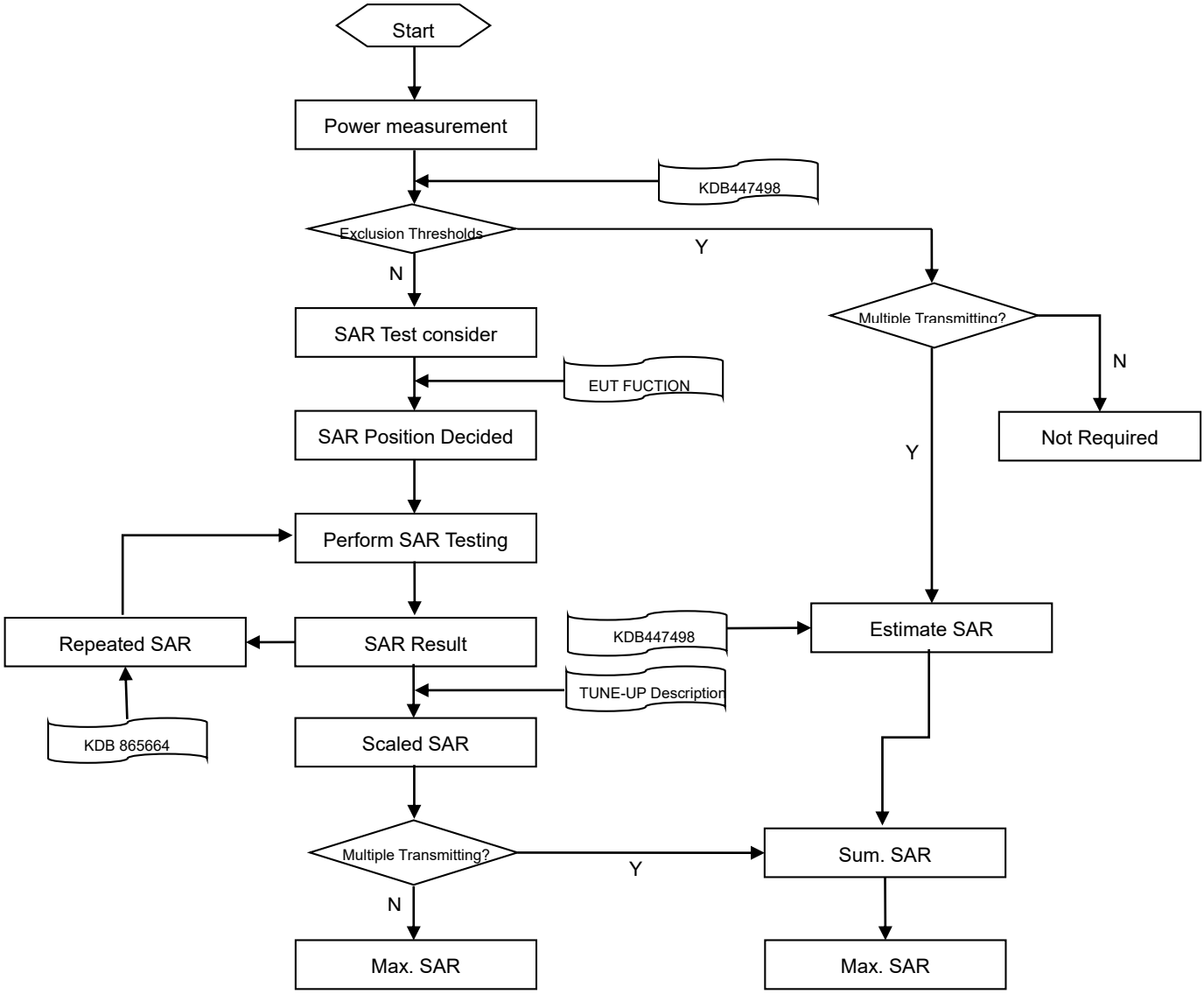
6.4 Product Specific 10g Exposure Consideration

According with FCC KDB 648474 D04, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, unless it is confirmed otherwise through KDB inquiries, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance;

The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at $\leqslant$ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions. The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.

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. Boththe 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.

<table>
<tr><th colspan="3"></th><th>≤3GHz</th><th>>3GHz</th></tr>
<tr><td colspan="3">Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface</td><td>5±1 mm</td><td>½·δ·ln(2)±0.5 mm</td></tr>
<tr><td colspan="3">Maximum probe angle from probe axis to phantom surface normal at the measurement location</td><td>30°±1°</td><td>20°±1°</td></tr>
<tr><td colspan="3" rowspan="2">Maximum area scan spatial resolution: Δx Area , Δy Area</td><td>≤ 2 GHz: ≤ 15 mm
2 – 3 GHz: ≤ 12 mm</td><td>3–4 GHz: ≤ 12 mm
4 – 6 GHz: ≤ 10 mm</td></tr>
<tr><td colspan="2">When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.</td></tr>
<tr><td colspan="3">Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom</td><td>≤ 2 GHz: ≤ 8 mm
2 –3 GHz: ≤ 5 mm*</td><td>3–4 GHz: ≤ 5 mm*
4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="6">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2" rowspan="2">uniform grid: Δz Zoom (n)</td><td rowspan="2">≤ 5 mm</td><td>3–4 GHz: ≤ 4 mm</td></tr>
<tr><td>4–5 GHz: ≤ 3 mm</td></tr>
<tr><td rowspan="4">graded grid</td><td rowspan="3">Δz Zoom (1): between 1st two points closest to phantom surface</td><td rowspan="3">≤ 4 mm</td><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td>3–4 GHz: ≤ 3 mm</td></tr>
<tr><td>4–5 GHz: ≤ 2.5 mm</td></tr>
<tr><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td>Δz Zoom (n>1): between subsequent points</td><td colspan="2">≤ 1.5·Δz Zoom (n-1)</td></tr>
<tr><td rowspan="3">Minimum zoom scan volume</td><td colspan="2" rowspan="3">x, y, z</td><td rowspan="3">≥30 mm</td><td>3–4 GHz: ≥ 28 mm</td></tr>
<tr><td>4–5 GHz: ≥ 25 mm</td></tr>
<tr><td>5–6 GHz: ≥ 22 mm</td></tr>
<tr><td colspan="5">Note:
1. δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.
2. * 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.</td></tr>
</table>

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 to16 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.

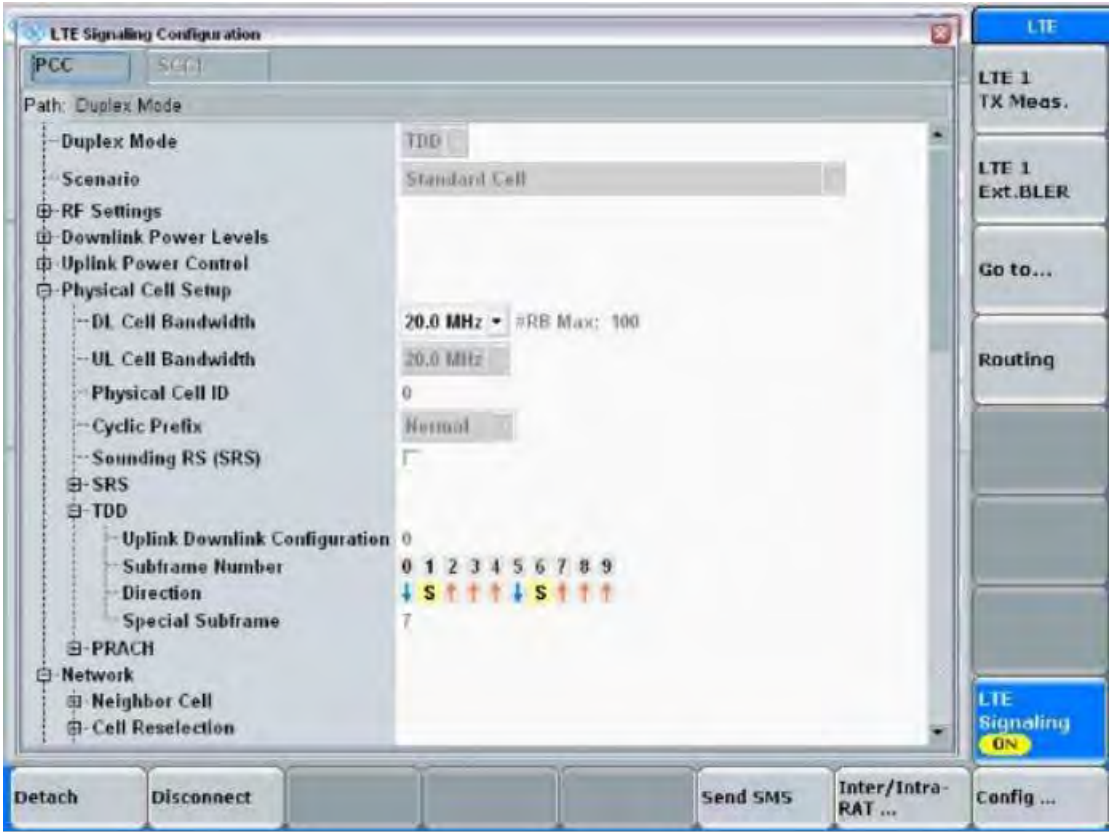
7.4 Area & Zoom Scan Procedure

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.

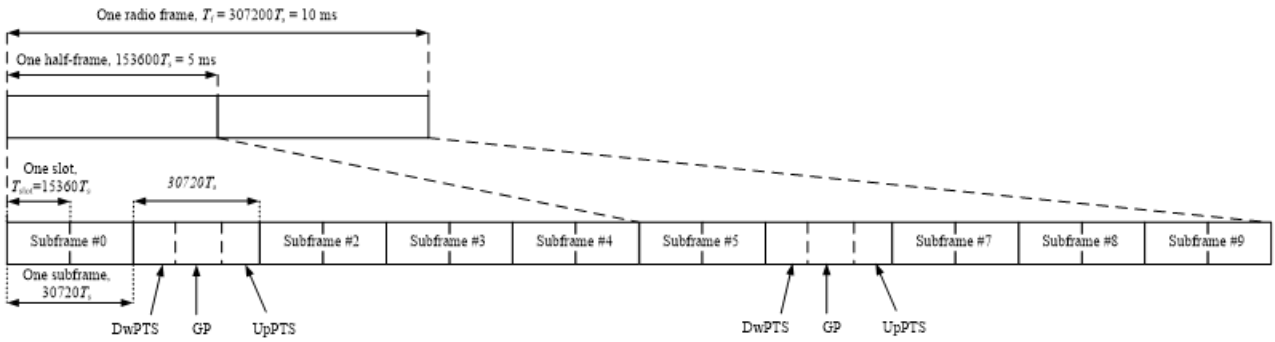
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

7.5 Area & Zoom Scan Procedure

During TDD-LTE SAR testing, the EUT was commanded to transmit on maximum output power and maximum transmitting bandwidth. The uplink and downlink slot configuration as below in one radio frame.



According to 3GPP Per 3GPP TS 36.211. Each radio frame of length (Tf=307200*TS =10ms) of two half-frames of length (153600*TS =5ms). Each half-frame consists of five sub-frames of length (30720*TS =1ms)



And the special sub-frame with the three fields DwPTS, GP and UpPTS.

The length of DwPTS and UpPTS is given by below table subject to the total length of DwPTS, GP and UpPTS being equal to 30720*T_S =1ms.

Configuration of special sub-frame (lengths of DwPTS/GP/UpPTS)

Special sub-frame configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	6592·T_s	2192·T_s	2560·T_s	7680·T_s	2192·T_s	2560·T_s
1	19760·T_s			20480·T_s		
2	21592·T_s			23040·T_s		
3	24144·T_s			25600·T_s		
4	26336·T_s			7680·T_s	2560·T_s	5120·T_s
5	6592·T_s	4384·T_s	5120·T_s	20480·T_s		
6	19760·T_s			23040·T_s		
7	21592·T_s			12800·T_s		
8	24144·T_s			-	-	-
9	13168·T_s			-	-	-

For special sub-frame uplink time we used the largest cyclic prefix for duty cycle calculate;

Maximum uplink time of one special sub-frame=(largest cyclic prefix)/(one sub-frame of length)* time of one sub-frame=5120.Ts/30720.Ts*1ms=0.167ms

One radio frame with 6 uplink sub-frames and two special sub-frame,
there for the maximum Uplink time in one radio frame is: **6*1 ms+2*0.167 ms=6.334ms**
So, the duty cycle for TDD-LTE is: **6.334ms/10ms =1: 1.58**

8 CONDUCTED RF OUPUT POWER

8.1 GSM

Please refer the document “BL-SZ2460766-AP.pdf”.

8.2 WCDMA

Please refer the document “BL-SZ2460766-AP.pdf”.

8.3 LTE

Please refer the document “BL-SZ2460766-AP.pdf”.

8.4 WIFI

8.4.1 2.4G WIFI-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	13.42	14.00	No
		6	2437	**13.46**	14.00	Yes
		11	2462	13.39	14.00	No
	802.11g	1	2412	12.43	13.00	No
		6	2437	12.47	13.00	No
		11	2462	12.32	13.00	No
	802.11n(HT20)	1	2412	11.29	12.00	No
		6	2437	11.50	12.00	No
		11	2462	11.20	12.00	No

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is $\leqslant$ 1.2 W/kg, OFDM SAR test is not required.

Adjusted SAR = 0.660 * (19.95mW/25.12mW) = 0.524 W/Kg, so 2.4G OFDM SAR test is not required.

8.4.2 5G WIFI-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	8.37	9.00	No
		44	5220	8.18	9.00	No
		48	5240	8.34	9.00	No
	802.11n(HT20)	36	5180	8.35	9.00	No
		44	5220	8.44	9.00	No
		48	5240	8.15	9.00	No
	802.11n(HT40)	38	5190	8.29	9.00	No
		46	5230	8.22	9.00	No
	802.11ac(VHT20)	36	5180	8.17	9.00	No
		44	5220	8.27	9.00	No
		48	5240	8.38	9.00	No
	802.11ac(VHT40)	38	5190	8.26	9.00	No
		46	5230	8.26	9.00	No
	802.11ac(VHT80)	42	5210	**8.20**	9.00	Yes
5.3 (5.25~5.35)	802.11a	52	5260	8.36	9.00	No
		60	5300	8.37	9.00	No
		64	5320	8.29	9.00	No
	802.11n(HT20)	52	5260	8.45	9.00	No
		60	5300	8.18	9.00	No
		64	5320	8.24	9.00	No
	802.11n(HT40)	54	5270	8.11	9.00	No
		62	5310	8.26	9.00	No
	802.11ac(VHT20)	52	5260	8.24	9.00	No
		60	5300	8.15	9.00	No
		64	5320	8.29	9.00	No
	802.11ac(VHT40)	54	5270	8.36	9.00	No
		62	5310	8.33	9.00	No
	802.11ac(VHT80)	58	5290	**8.14**	9.00	Yes
5.6 (5.47~5.725)	802.11a	100	5500	8.29	9.00	No
		116	5580	8.42	9.00	No
		140	5700	8.41	9.00	No
	802.11n(HT20)	100	5500	8.45	9.00	No
		136	5680	8.39	9.00	No
		140	5700	8.34	9.00	No
	802.11n(HT40)	102	5510	8.45	9.00	No
		110	5550	8.37	9.00	No

		134	5670	8.47	9.00	No
	802.11ac(VHT20)	100	5500	8.47	9.00	No
		116	5580	8.34	9.00	No
		140	5700	8.50	9.00	No
	802.11ac(VHT40)	102	5510	8.41	9.00	No
		110	5550	8.21	9.00	No
		134	5670	8.47	9.00	No
	802.11ac(VHT80)	106	5530	8.36	9.00	Yes
		122	5610	**8.45**	9.00	Yes
5.8 (5.725~5.850)	802.11a	149	5745	8.48	9.00	No
		157	5785	8.17	9.00	No
		165	5825	8.21	9.00	No
	802.11n(HT20)	149	5745	8.32	9.00	No
		157	5785	8.39	9.00	No
		165	5825	8.48	9.00	No
	802.11n(HT40)	151	5755	8.20	9.00	No
		159	5795	8.47	9.00	No
	802.11ac(VHT20)	149	5745	8.31	9.00	No
		157	5785	8.25	9.00	No
		165	5825	8.24	9.00	No
	802.11ac(VHT40)	151	5755	8.29	9.00	No
		159	5795	8.15	9.00	No
	802.11ac(VHT80)	155	5775	**8.28**	9.00	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.5 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	4.05	4.12	**4.15**	3.93	3.97	3.83
Tune-Up Limit (dBm)	5.00	5.00	5.00	5.00	5.00	5.00
SAR Test Require	No	No	Yes	No	No	No
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	3.87	3.94	3.85	/	/	/
Tune-Up Limit (dBm)	5.00	5.00	5.00	/	/	/
SAR Test Require	No	No	No	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	1	19	38
Frequency (MHz)	2402	2440	2480	2404	2440	2478
Conducted Power (dBm)	-0.58	0.03	-0.43	-0.45	0.05	-0.67
Tune-Up Limit (dBm)	1.00	1.00	1.00	1.00	1.00	1.00
SAR Test Require	No	No	No	No	No	No
Note: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode.						

Note: The Bluetooth BT DH5 duty cycle is 77.48 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle

Bluetooth-GFSK

8.6 Power Reduction List

1. This mobile phone device supports the receiver detection mechanism .This device uses the receiver to indicate whether the user is making a call in head.
2. When device is making call in head, and the receiver will work, the power reduction will applied for SAR compliance.
3. When there is a voice call (including VOIP), the audio is actively routed through the headset or speaker, and the receiver will not work, which indicating the body exposure conditions will trigger the body exposure reduced the power.
4. When this device used data mode only, and the receiver will not work too, the reduced the power are same as body exposure.
5. The device employs proximity sensors that detect the presence of the user's body of the device. When these conditions are detected, body reduced power will be active.
6. When the proximity sensor fails, the power is reduced to the corresponding level2 scenario.

WWAN Reduced Power Level Table

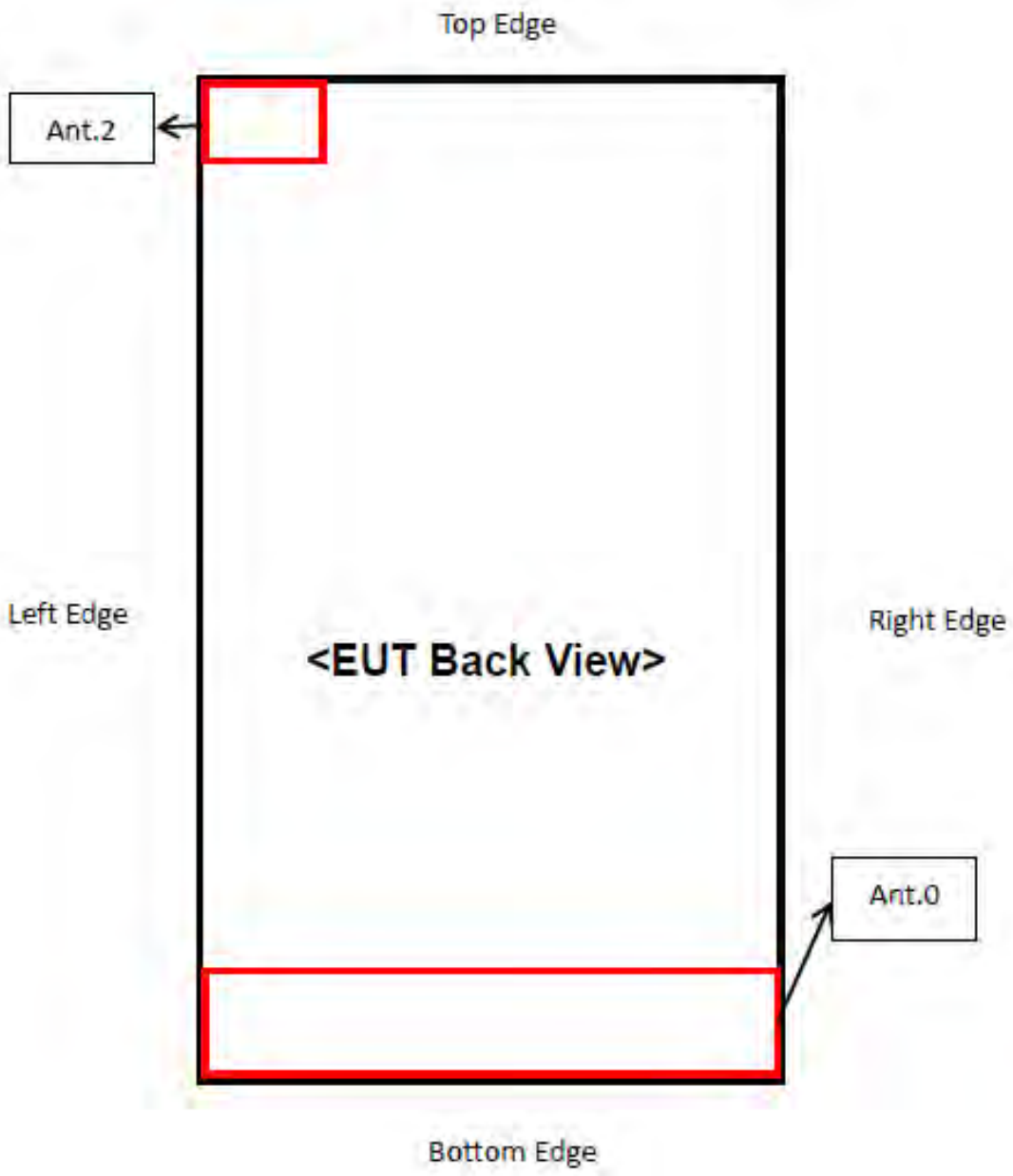
Reduced Level	Sensor State	Receiver State	Transmitting Conditions	Antenna	Position
Level1	N/A	On (head scenario)	WWAN Use Only & WWAN + WLAN	Ant.0	Head
Level2	Sensor On	Off (Body scenario)	WWAN Use Only & WWAN + WLAN	Ant.0	Front Side; Back Side; Left Edge; Right Edge; Top Edge; Bottom Edge
Off	Sensor Off	Off (Body scenario)	WWAN Use Only & WWAN + WLAN	Ant.0	Front Side; Back Side; Left Edge; Right Edge; Top Edge; Bottom Edge

WWAN Antenna Power Table

Mode	Antenna	WWAN Antenna							
		Full Power	Receiver on		Receiver off(Sensor On)				
			Head		Body-worn		Hotspot	Specific	
			Standalone	Simultaneous transmission +WLAN	Standalone	Simultaneous transmission +WLAN	Simultaneous transmission +WLAN	Standalone	Simultaneous transmission +WLAN
		Off	Level1	Level1	Level2	Level2	Level2	Level2	Level2
GSM 850	Ant.0	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
GPRS850 1 Tx Slot	Ant.0	33.50	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slot	Ant.0	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50
GPRS850 3 Tx Slot	Ant.0	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50
GPRS850 4 Tx Slot	Ant.0	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 1 Tx Slot	Ant.0	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50
EGPRS850 2 Tx Slot	Ant.0	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
EGPRS850 3 Tx Slot	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
EGPRS850 4 Tx Slot	Ant.0	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
GSM1900	Ant.0	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00
GPRS1900 1 Tx Slot	Ant.0	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50
GPRS1900 2 Tx Slot	Ant.0	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50
GPRS1900 3 Tx Slot	Ant.0	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
GPRS1900 4 Tx Slot	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS1900 1 Tx Slot	Ant.0	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50
EGPRS1900 2 Tx Slot	Ant.0	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
EGPRS1900 3 Tx Slot	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
EGPRS1900 4 Tx Slot	Ant.0	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
WCDMA Band2 RMC	Ant.0	24.00	24.00	24.00	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-1	Ant.0	23.50	23.50	23.50	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-2	Ant.0	23.50	23.50	23.50	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-3	Ant.0	23.50	23.50	23.50	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-4	Ant.0	23.50	23.50	23.50	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-1	Ant.0	21.50	21.50	21.50	21.00	21.00	21.00	21.00	21.00
HSUPA Subtest-2	Ant.0	21.00	21.00	21.00	20.50	20.50	20.50	20.50	20.50
HSUPA Subtest-3	Ant.0	21.50	21.50	21.50	21.00	21.00	21.00	21.00	21.00
HSUPA Subtest-4	Ant.0	21.50	21.50	21.50	21.00	21.00	21.00	21.00	21.00
HSUPA Subtest-5	Ant.0	23.50	23.50	23.50	23.00	23.00	23.00	23.00	23.00
WCDMA Band4 RMC	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-1	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50

HSDPA Subtest-2	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-3	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-4	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSUPA Subtest-1	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-2	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-3	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSUPA Subtest-4	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSUPA Subtest-5	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
WCDMA Band5 RMC	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-1	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-2	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-3	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-4	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSUPA Subtest-1	Ant.0	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-2	Ant.0	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-3	Ant.0	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-4	Ant.0	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-5	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band2	Ant.0	26.00	26.00	26.00	23.50	23.50	23.50	23.50	23.50
LTE Band4	Ant.0	25.50	25.50	25.50	24.00	24.00	24.00	24.00	24.00
LTE Band5	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band7	Ant.0	24.50	24.50	24.50	22.00	22.00	22.00	22.00	22.00
LTE Band12	Ant.0	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50
LTE Band17	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band26	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band66	Ant.0	25.50	25.50	25.50	23.50	23.50	23.50	23.50	23.50

9 TEST EXCLUSION CONSIDERATION



Antenna	Description	Support Bands
Antenna 0	2/3/4G LMHB TX Antenna	GSM 850/1900 WCDMA Band 2/4/5 LTE Band 2/4/5/7/12/17/26/66
Antenna 2	WLAN 2.4G TX Antenna WLAN 5G TX Antenna Bluetooth TX Antenna	2.4G WLAN 5G WLAN Bluetooth
Note 1: Middle and High frequency Band (MHB). Note 2: Low frequency Band (LB).		

Antenna	Front Side (mm)	Back Side (mm)	Left Edge (mm)	Right Edge (mm)	Top Edge (mm)	Bottom Edge (mm)
Antenna 0	<25	<25	<25	<25	>25	<25
Antenna 2	<25	<25	<25	>25	<25	>25
Note: Per KDB 941225 DO6,When the overall length and width of a device is > 9 cm *5 cm, a test separation distance of 10 mm is required for hotspot mode SAR measurements and hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.						

9.1 SAR Test Exclusion Consideration Table

According with FCC KDB 447498 D04, Appendix B, The SAR-based exemption formula applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold Pth (mW), this Device SAR test configurations consider as following :

Antenna 0

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Front Side	Back Side	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	Voice	34.00	2511.89	Yes	Yes	Yes	Yes	No	Yes
	Data	33.00	1995.26	Yes	Yes	Yes	Yes	No	Yes
GSM 1900	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	Voice	31.00	1258.93	Yes	Yes	Yes	Yes	No	Yes
	Data	31.50	1412.54	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 2	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	RMC	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 4	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	RMC	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 5	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 2	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	26.00	398.11	Yes	Yes	Yes	Yes	No	Yes
LTE Band 4	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	25.50	354.81	Yes	Yes	Yes	Yes	No	Yes
LTE Band 5	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 7	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 12	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	25.50	354.81	Yes	Yes	Yes	Yes	No	Yes
LTE Band 17	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 26	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 66	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	25.50	354.81	Yes	Yes	Yes	Yes	No	Yes

Antenna 2

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Front Side	Back Side	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 2.4 G	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11b	14.00	25.12	Yes	Yes	Yes	No	Yes	No
	802.11g	13.00	19.95	No	No	No	No	No	No
	802.11n(HT20)	12.00	15.85	No	No	No	No	No	No
WLAN 5.2 G	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11a	9.00	7.94	No	No	No	No	No	No
	802.11n(HT20)	9.00	7.94	No	No	No	No	No	No
	802.11n(HT40)	9.00	7.94	No	No	No	No	No	No
	802.11ac(VHT20)	9.00	7.94	No	No	No	No	No	No
	802.11ac(VHT40)	9.00	7.94	No	No	No	No	No	No
	802.11ac(VHT80)	9.00	7.94	Yes	Yes	Yes	No	Yes	No
WLAN 5.3 G	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11a	9.00	7.94	No	No	No	No	No	No
	802.11n(HT20)	9.00	7.94	No	No	No	No	No	No
	802.11n(HT40)	9.00	7.94	No	No	No	No	No	No
	802.11ac(VHT20)	9.00	7.94	No	No	No	No	No	No
	802.11ac(VHT40)	9.00	7.94	No	No	No	No	No	No
	802.11ac(VHT80)	9.00	7.94	Yes	Yes	Yes	No	Yes	No
WLAN 5.6 G	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11a	9.00	7.94	No	No	No	No	No	No
	802.11n(HT20)	9.00	7.94	No	No	No	No	No	No
	802.11n(HT40)	9.00	7.94	No	No	No	No	No	No
	802.11ac(VHT20)	9.00	7.94	No	No	No	No	No	No
	802.11ac(VHT40)	9.00	7.94	No	No	No	No	No	No
	802.11ac(VHT80)	9.00	7.94	Yes	Yes	Yes	No	Yes	No
WLAN 5.8 G	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11a	9.00	7.94	No	No	No	No	No	No
	802.11n(HT20)	9.00	7.94	No	No	No	No	No	No
	802.11n(HT40)	9.00	7.94	No	No	No	No	No	No
	802.11ac(VHT20)	9.00	7.94	No	No	No	No	No	No
	802.11ac(VHT40)	9.00	7.94	No	No	No	No	No	No
	802.11ac(VHT80)	9.00	7.94	Yes	Yes	Yes	No	Yes	No
Bluetooth	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	BR+EDR	5.00	3.16	Yes	Yes	Yes	No	Yes	No
	BLE	1.00	1.26	No	No	No	No	No	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 D04, 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 D04, 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 D04, for separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive), the threshold Pth (mW) is given by Following:

$$P_{th}(mW) = \begin{cases} ERP_{20cm}(d/20cm)^x & d \le 20cm \\ ERP_{20cm} & 20cm < d \le 40cm \end{cases}$$

where

$$x = -log_{10}\left(\frac{60}{ERP_{20cm}\sqrt{f}}\right)$$

   a. f(GHz) is the RF channel transmit frequency in GHz
   b. d is the separation distance (cm), The result is rounded to one decimal place for comparison
   c. ERP_{20cm} are determined by:

$$ERP_{20cm}(mW) = f(x) = \begin{cases} 2040f & 0.3GHz \le f < 1.5GHz \\ 3060 & 1.5GHz \le f \le 6GHz \end{cases}$$

5. 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 ≤ 1.2W/kg, HSDPA/HSUPA/DC-HSDPA SAR evaluation can be excluded.
6. 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
7. Per KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions.
   a. When KDB Publication 447498 D04 SAR test exclusion applies to the OFDM configuration.
   b. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
8. Per KDB 248227 D01 SAR is not required for the following U-NII-1 and U-NII-2A bands conditions.
   a. When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.
   b. When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, each band is tested independently for SAR.

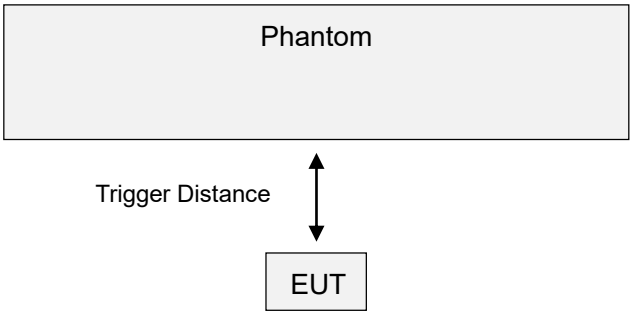
10 PROXIMITY SENSOR TRIGGERING TEST

10.1 Procedures for determining proximity sensor distance

The device uses one proximity sensors to reduce the maximum output power in selected wireless mode and operating configurations to ensure SAR compliance. The sensor implementation can identify and facilitate triggering different max power levels for different scenarios including the device held by hand(Extremity) and different exposure test positions test positions when the device is closed to a user's body.

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. Note that while sensor is failed and it sets the output power to the lowest one in the sensor trigger state ,to make sure the SAR requirements can still be satisfied.

10.1.1 proximity sensor



EUT moving toward Phantom

Distance in mm	1~25	26	27	28	29	30	31	32	33	34	35~40
Front Side	On	On	On	On	On	On	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	Off	Off	Off	Off	Off
Bottom Edge	On	On	On	On	On	On	Off	Off	Off	Off	Off
Note: Power reduction is only applicable for ANT0.											

To ensure all production units are compliant, it is generally necessary to reduce the triggering distance determined from the triggering tests by 1 mm, or more if it is necessary, and use the smallest distance for EUT moving toward the phantom, minus 1 mm, as the sensor triggering distance for determining the SAR measurement distance.

ANT0 of proximity sensor

EUT Sides	Additional SAR test Distance in mm
Front Side	29
Back Side	29
Bottom Edge	29

10.2 Procedures for determining EUT tilt angle influences to proximity sensor triggering

The influence of EUT tilt angles to proximity sensor triggering was determined by positioning each EUT edge that contains a transmitting antenna 0, perpendicular to the flat phantom, at 30 mm separation for the front side,at 30 mm separation for the back side and 30 mm separation for the bottom edge. Rotating the EUT around the edge next to the phantom in $\leqslant$ 10° increments until the EUT is $\pm$ 45° from the vertical position at 0°, and the maximum output power remains in the reduced mode.

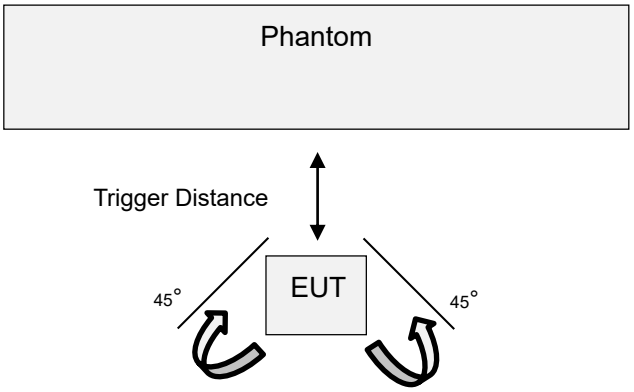


Table: Summary of Phone Tilt Angle Influence to Proximity Sensor Triggering(Bottom edge)

Antenna	Posltion	Minimum trigger distance at which power reduction was maintained over ±45°	Power Reduction Status										
			-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
ANT0	Bottom Edge	30mm	on	on	on	on	on	on	on	on	on	on	on

11 TEST RESULT

11.1 GSM 850

Antenna	Power Reduction	Mode	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 Report SAR (W/kg)	Meas. No.
Head													
Ant.0	Level1	GPRS 2slots	Left Cheek	0	190	836.6	0.07	0.181	29.97	31.50	1.422	0.257	/
	Level1		Left Tilt	0	190	836.6	0.05	0.120	29.97	31.50	1.422	0.171	/
	Level1		Right Cheek	0	190	836.6	0.07	0.210	29.97	31.50	1.422	**0.299**	1#
	Level1		Right Tilt	0	190	836.6	-0.06	0.142	29.97	31.50	1.422	0.202	/
Body-Worn													
Ant.0	Level2	GPRS 2slots	Front Side	15	190	836.6	0.06	0.177	29.97	31.50	1.422	0.252	/
	Level2		Back Side	15	190	836.6	-0.12	0.287	29.97	31.50	1.422	**0.408**	2#
Hotspot													
Ant.0	Level2	GPRS 2slots	Front Side	10	190	836.6	0.03	0.301	29.97	31.50	1.422	0.428	/
	Level2		Back Side	10	190	836.6	-0.03	0.585	29.97	31.50	1.422	**0.832**	3#
	Off		Left Edge	10	190	836.6	0.11	0.340	29.97	31.50	1.422	0.483	/
	Off		Right Edge	10	190	836.6	0.13	0.148	29.97	31.50	1.422	0.210	/
	Level2		Bottom Edge	10	190	836.6	-0.08	0.368	29.97	31.50	1.422	0.523	/
	Level2		Back Side	10	128	824.2	0.03	0.572	29.91	31.50	1.442	0.825	/
	Level2		Back Side	10	251	848.8	0.02	0.549	29.94	31.50	1.432	0.786	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.2 GSM 1900

Antenna	Power Reduction	Mode	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 Report SAR (W/kg)	Meas. No.
Head													
Ant.0	Level1	GPRS 3slots	Left Cheek	0	810	1909.8	0.02	0.085	26.83	27.00	1.040	0.088	/
	Level1		Left Tilt	0	810	1909.8	-0.14	0.053	26.83	27.00	1.040	0.055	/
	Level1		Right Cheek	0	810	1909.8	0.05	0.097	26.83	27.00	1.040	**0.101**	4#
	Level1		Right Tilt	0	810	1909.8	0.11	0.076	26.83	27.00	1.040	0.079	/
Body-Worn													
Ant.0	Level2	GPRS 3slots	Front Side	15	810	1909.8	-0.06	0.098	26.83	27.00	1.040	0.102	/
	Level2		Back Side	15	810	1909.8	-0.08	0.187	26.83	27.00	1.040	**0.194**	5#
Hotspot													
Ant.0	Level2	GPRS 3slots	Front Side	10	810	1909.8	0.15	0.151	26.83	27.00	1.040	0.157	/
	Level2		Back Side	10	810	1909.8	0.31	0.310	26.83	27.00	1.040	0.322	/
	Off		Left Edge	10	810	1909.8	0.04	0.042	26.83	27.00	1.040	0.044	/
	Off		Right Edge	10	810	1909.8	0.07	0.065	26.83	27.00	1.040	0.068	/
	Level2		Bottom Edge	10	810	1909.8	-0.05	0.417	26.83	27.00	1.040	**0.434**	6#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.3WCDMA Band 2

Antenna	Power Reduction	Mode	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 Report SAR (W/kg)	Meas. No.
Head													
Ant.0	Level1	RMC	Left Cheek	0	9538	1907.6	0.01	0.115	22.92	24.00	1.282	0.147	/
	Level1		Left Tilt	0	9538	1907.6	-0.01	0.057	22.92	24.00	1.282	0.073	/
	Level1		Right Cheek	0	9538	1907.6	-0.03	0.142	22.92	24.00	1.282	**0.182**	7#
	Level1		Right Tilt	0	9538	1907.6	0.03	0.068	22.92	24.00	1.282	0.087	/
Body-Worn													
Ant.0	Level2	RMC	Front Side	15	9538	1907.6	-0.09	0.152	22.82	23.50	1.169	0.178	/
	Level2		Back Side	15	9538	1907.6	0.02	0.300	22.82	23.50	1.169	**0.351**	8#
Hotspot													
Ant.0	Level2	RMC	Front Side	10	9538	1907.6	0.14	0.217	22.82	23.50	1.169	0.254	/
	Level2		Back Side	10	9538	1907.6	0.11	0.458	22.82	23.50	1.169	0.535	/
	Off		Left Edge	10	9538	1907.6	-0.14	0.079	22.92	24.00	1.282	0.101	/
	Off		Right Edge	10	9538	1907.6	0.13	0.080	22.92	24.00	1.282	0.103	/
	Level2		Bottom Edge	10	9538	1907.6	-0.05	0.637	22.82	23.50	1.169	**0.745**	9#
Body(Sensor-1)													
Ant.0	Off	RMC	Front Side	29	9538	1907.6	0.03	0.023	22.92	24.00	1.282	0.029	/
	Off		Back Side	29	9538	1907.6	-0.03	0.065	22.92	24.00	1.282	0.083	/
	Off		Bottom Edge	29	9538	1907.6	0.02	0.094	22.92	24.00	1.282	0.121	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.4WCDMA Band 4

Antenna	Power Reduction	Mode	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 Report SAR (W/kg)	Meas. No.
Head													
Ant.0	Level1	RMC	Left Cheek	0	1513	1752.6	0.11	0.112	22.27	24.00	1.489	0.167	/
	Level1		Left Tilt	0	1513	1752.6	0.11	0.052	22.27	24.00	1.489	0.077	/
	Level1		Right Cheek	0	1513	1752.6	0.08	0.130	22.27	24.00	1.489	**0.194**	10#
	Level1		Right Tilt	0	1513	1752.6	0.05	0.060	22.27	24.00	1.489	0.089	/
Body-Worn													
Ant.0	Level2	RMC	Front Side	15	1513	1752.6	0.08	0.094	22.27	24.00	1.489	0.140	/
	Level2		Back Side	15	1513	1752.6	0.12	0.136	22.27	24.00	1.489	**0.203**	11#
Hotspot													
Ant.0	Level2	RMC	Front Side	10	1513	1752.6	0.01	0.149	22.27	24.00	1.489	0.222	/
	Level2		Back Side	10	1513	1752.6	0.13	0.414	22.27	24.00	1.489	0.616	/
	Off		Left Edge	10	1513	1752.6	-0.06	0.049	22.27	24.00	1.489	0.073	/
	Off		Right Edge	10	1513	1752.6	-0.03	0.050	22.27	24.00	1.489	0.074	/
	Level2		Bottom Edge	10	1513	1752.6	0.03	0.598	22.27	24.00	1.489	**0.890**	12#
	Level2		Bottom Edge	10	1312	1712.4	0.01	0.504	22.27	24.00	1.489	0.750	/
	Level2		Bottom Edge	10	1412	1732.4	0.01	0.557	22.27	24.00	1.489	0.829	/

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

11.5WCDMA Band 5

Antenna	Power Reduction	Mode	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 Report SAR (W/kg)	Meas. No.
Head													
Ant.0	Level1	RMC	Left Cheek	0	4233	846.6	-0.07	0.159	22.64	24.50	1.535	0.244	/
	Level1		Left Tilt	0	4233	846.6	0.14	0.095	22.64	24.50	1.535	0.146	/
	Level1		Right Cheek	0	4233	846.6	0.01	0.172	22.64	24.50	1.535	**0.264**	13#
	Level1		Right Tilt	0	4233	846.6	0.13	0.113	22.64	24.50	1.535	0.173	/
Body-Worn													
Ant.0	Level2	RMC	Front Side	15	4233	846.6	-0.08	0.136	22.64	24.50	1.535	0.209	/
	Level2		Back Side	15	4233	846.6	-0.05	0.202	22.64	24.50	1.535	**0.310**	14#
Hotspot													
Ant.0	Level2	RMC	Front Side	10	4233	846.6	0.13	0.203	22.64	24.50	1.535	0.312	/
	Level2		Back Side	10	4233	846.6	-0.05	0.376	22.64	24.50	1.535	**0.577**	15#
	Off		Left Edge	10	4233	846.6	-0.02	0.117	22.64	24.50	1.535	0.180	/
	Off		Right Edge	10	4233	846.6	0.00	0.100	22.64	24.50	1.535	0.154	/
	Level2		Bottom Edge	10	4233	846.6	0.15	0.204	22.64	24.50	1.535	0.313	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.6 LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	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 Report SAR (W/kg)	Meas. No.
Head															
Ant.0	Level1	QPSK	Left Cheek	0	18900	1880	1	Mid	-0.06	0.205	25.24	26.00	1.191	0.244	/
	Level1		Left Tilt	0	18900	1880	1	Mid	-0.08	0.094	25.24	26.00	1.191	0.112	/
	Level1		Right Cheek	0	18900	1880	1	Mid	-0.03	0.287	25.24	26.00	1.191	**0.342**	16#
	Level1		Right Tilt	0	18900	1880	1	Mid	0.12	0.102	25.24	26.00	1.191	0.121	/
	Level1		Left Cheek	0	18900	1880	50	Mid	-0.13	0.171	24.23	25.00	1.194	0.204	/
	Level1		Left Tilt	0	18900	1880	50	Mid	-0.12	0.077	24.23	25.00	1.194	0.092	/
	Level1		Right Cheek	0	18900	1880	50	Mid	0.08	0.229	24.23	25.00	1.194	0.273	/
	Level1		Right Tilt	0	18900	1880	50	Mid	-0.06	0.081	24.23	25.00	1.194	0.097	/
Body-Worn															
Ant.0	Level2	QPSK	Front Side	15	18900	1880	1	High	-0.08	0.202	22.23	23.50	1.340	0.271	/
	Level2		Back Side	15	18900	1880	1	High	-0.05	0.372	22.23	23.50	1.340	**0.498**	17#
	Level2		Front Side	15	18900	1880	50	Mid	-0.09	0.153	21.12	22.50	1.374	0.210	/
	Level2		Back Side	15	18900	1880	50	Mid	-0.13	0.281	21.12	22.50	1.374	0.386	/
Hotspot															
Ant.0	Level2	QPSK	Front Side	10	18900	1880	1	High	0.01	0.286	22.23	23.50	1.340	0.383	/
	Level2		Back Side	10	18900	1880	1	High	0.03	0.595	22.23	23.50	1.340	0.797	/
	Off		Left Edge	10	18900	1880	1	Mid	0.15	0.080	25.24	26.00	1.191	0.095	/
	Off		Right Edge	10	18900	1880	1	Mid	0.11	0.137	25.24	26.00	1.191	0.163	/
	Level2		Bottom Edge	10	18900	1880	1	High	-0.06	0.773	22.23	23.50	1.340	**1.036**	18#
	Level2		Front Side	10	18900	1880	50	Mid	0.12	0.227	21.12	22.50	1.374	0.312	/
	Level2		Back Side	10	18900	1880	50	Mid	0.01	0.492	21.12	22.50	1.374	0.676	/
	Off		Left Edge	10	18900	1880	50	Mid	0.07	0.054	24.23	25.00	1.194	0.064	/
	Off		Right Edge	10	18900	1880	50	Mid	0.07	0.105	24.23	25.00	1.194	0.125	/
	Level2		Bottom Edge	10	18900	1880	50	Mid	0.00	0.634	21.12	22.50	1.374	0.871	/
	Level2		Bottom Edge	10	18700	1860	1	High	-0.15	0.705	21.87	23.50	1.455	1.026	/
	Level2		Bottom Edge	10	19100	1900	1	High	0.11	0.734	22.12	23.50	1.374	1.009	/
	Level2		Bottom Edge	10	18700	1860	50	High	-0.03	0.634	20.88	22.50	1.452	0.921	/
	Level2		Bottom Edge	10	19100	1900	50	Mid	0.12	0.628	21.08	22.50	1.387	0.871	/
	Level2		Bottom Edge	10	18900	1880	100	Low	0.10	0.631	20.85	22.50	1.462	0.923	/
Body(Sensor-1)															
Ant.0	Off	QPSK	Front Side	29	18900	1880	1	Mid	-0.02	0.110	25.24	26.00	1.191	0.131	/
	Off		Back Side	29	18900	1880	1	Mid	-0.09	0.229	25.24	26.00	1.191	0.273	/
	Off		Bottom Edge	29	18900	1880	1	Mid	-0.01	0.267	25.24	26.00	1.191	0.318	/
	Off		Front Side	29	18900	1880	50	Mid	-0.13	0.085	24.23	25.00	1.194	0.101	/
	Off		Back Side	29	18900	1880	50	Mid	-0.10	0.181	24.23	25.00	1.194	0.216	/
	Off		Bottom Edge	29	18900	1880	50	Mid	-0.02	0.210	24.23	25.00	1.194	0.251	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Report SAR (W/kg)	Meas. No.
Specific															
Ant.0	Level2	QPSK	Back Side	0	18900	1880	1	High	-0.05	1.990	22.23	23.50	1.340	**2.667**	19#
	Level2		Bottom Edge	0	18900	1880	1	High	0.02	1.730	22.23	23.50	1.340	2.318	/
	Level2		Back Side	0	18900	1880	50	Mid	-0.12	1.610	21.12	22.50	1.374	2.212	/
	Level2		Bottom Edge	0	18900	1880	50	Mid	-0.07	1.350	21.12	22.50	1.374	1.855	/
	Level2		Back Side	0	18700	1860	1	High	0.05	1.820	21.87	23.50	1.455	2.648	/
	Level2		Back Side	0	19100	1900	1	High	0.02	1.770	22.12	23.50	1.374	2.432	/
	Level2		Back Side	0	18700	1860	50	High	0.11	1.560	20.88	22.50	1.452	2.265	/
	Level2		Back Side	0	19100	1900	50	Mid	-0.02	1.590	21.08	22.50	1.387	2.205	/
	Level2		Back Side	0	18900	1880	100	Low	-0.04	1.610	20.85	22.50	1.462	2.354	/
	Level2		Bottom Edge	0	18700	1860	1	High	0.03	1.510	21.87	23.50	1.455	2.197	/
	Level2		Bottom Edge	0	19100	1900	1	High	-0.05	1.480	22.12	23.50	1.374	2.034	/
	Level2		Bottom Edge	0	18700	1860	50	High	0.02	1.330	20.88	22.50	1.452	1.931	/
	Level2		Bottom Edge	0	19100	1900	50	Mid	0.04	1.320	21.08	22.50	1.387	1.831	/
	Level2		Bottom Edge	0	18900	1880	100	Low	0.13	1.350	20.85	22.50	1.462	1.974	/

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

11.7 LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	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 Report SAR (W/kg)	Meas. No.
Head															
Ant.0	Level1	QPSK	Left Cheek	0	20175	1732.5	1	High	0.08	0.102	24.67	25.50	1.211	0.124	/
	Level1		Left Tilt	0	20175	1732.5	1	High	0.05	0.054	24.67	25.50	1.211	0.065	/
	Level1		Right Cheek	0	20175	1732.5	1	High	0.07	0.133	24.67	25.50	1.211	**0.161**	20#
	Level1		Right Tilt	0	20175	1732.5	1	High	-0.12	0.061	24.67	25.50	1.211	0.074	/
	Level1		Left Cheek	0	20175	1732.5	50	Mid	0.08	0.078	23.41	24.50	1.285	0.100	/
	Level1		Left Tilt	0	20175	1732.5	50	Mid	0.01	0.034	23.41	24.50	1.285	0.044	/
	Level1		Right Cheek	0	20175	1732.5	50	Mid	-0.07	0.095	23.41	24.50	1.285	0.122	/
	Level1		Right Tilt	0	20175	1732.5	50	Mid	-0.10	0.041	23.41	24.50	1.285	0.053	/
Body-Worn															
Ant.0	Level2	QPSK	Front Side	15	20175	1732.5	1	High	-0.11	0.082	22.39	24.00	1.449	0.119	/
	Level2		Back Side	15	20175	1732.5	1	High	0.06	0.146	22.39	24.00	1.449	**0.212**	21#
	Level2		Front Side	15	20175	1732.5	50	Mid	-0.12	0.060	21.32	23.00	1.472	0.088	/
	Level2		Back Side	15	20175	1732.5	50	Mid	0.04	0.126	21.32	23.00	1.472	0.185	/
Hotspot															
Ant.0	Level2	QPSK	Front Side	10	20175	1732.5	1	High	0.07	0.123	22.39	24.00	1.449	0.178	/
	Level2		Back Side	10	20175	1732.5	1	High	-0.02	0.326	22.39	24.00	1.449	0.472	/
	Off		Left Edge	10	20175	1732.5	1	High	0.06	0.044	24.67	25.50	1.211	0.053	/
	Off		Right Edge	10	20175	1732.5	1	High	-0.03	0.045	24.67	25.50	1.211	0.054	/
	Level2		Bottom Edge	10	20175	1732.5	1	High	-0.15	0.526	22.39	24.00	1.449	**0.762**	22#
	Level2		Front Side	10	20175	1732.5	50	Mid	-0.14	0.093	21.32	23.00	1.472	0.137	/
	Level2		Back Side	10	20175	1732.5	50	Mid	-0.06	0.258	21.32	23.00	1.472	0.380	/
	Off		Left Edge	10	20175	1732.5	50	Mid	-0.06	0.032	23.41	24.50	1.285	0.041	/
	Off		Right Edge	10	20175	1732.5	50	Mid	-0.10	0.033	23.41	24.50	1.285	0.042	/
	Level2		Bottom Edge	10	20175	1732.5	50	Mid	-0.13	0.406	21.32	23.00	1.472	0.598	/
Body(Sensor-1)															
Ant.0	Off	QPSK	Front Side	29	20175	1732.5	1	High	0.02	0.025	24.67	25.50	1.211	0.030	/
	Off		Back Side	29	20175	1732.5	1	High	0.03	0.124	24.67	25.50	1.211	0.150	/
	Off		Bottom Edge	29	20175	1732.5	1	High	-0.07	0.141	24.67	25.50	1.211	0.171	/
	Off		Front Side	29	20175	1732.5	50	Mid	0.07	0.021	23.41	24.50	1.285	0.027	/
	Off		Back Side	29	20175	1732.5	50	Mid	-0.02	0.096	23.41	24.50	1.285	0.123	/
	Off		Bottom Edge	29	20175	1732.5	50	Mid	0.12	0.108	23.41	24.50	1.285	0.139	/

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

11.8 LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	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 Report SAR (W/kg)	Meas. No.
Head															
Ant.0	Level1	QPSK	Left Cheek	0	20525	836.5	1	Mid	0.10	0.187	23.03	24.50	1.403	0.262	/
	Level1		Left Tilt	0	20525	836.5	1	Mid	-0.11	0.102	23.03	24.50	1.403	0.143	/
	Level1		Right Cheek	0	20525	836.5	1	Mid	0.04	0.205	23.03	24.50	1.403	**0.288**	23#
	Level1		Right Tilt	0	20525	836.5	1	Mid	-0.14	0.115	23.03	24.50	1.403	0.161	/
	Level1		Left Cheek	0	20525	836.5	25	Mid	-0.07	0.168	23.03	23.50	1.114	0.187	/
	Level1		Left Tilt	0	20525	836.5	25	Mid	-0.10	0.086	22.21	23.50	1.346	0.116	/
	Level1		Right Cheek	0	20525	836.5	25	Mid	0.03	0.175	22.21	23.50	1.346	0.236	/
	Level1		Right Tilt	0	20525	836.5	25	Mid	-0.07	0.096	22.21	23.50	1.346	0.129	/
Body-Worn															
Ant.0	Level2	QPSK	Front Side	15	20525	836.5	1	Mid	-0.04	0.172	23.03	24.50	1.403	0.241	/
	Level2		Back Side	15	20525	836.5	1	Mid	-0.04	0.236	23.03	24.50	1.403	**0.331**	24#
	Level2		Front Side	15	20525	836.5	25	Mid	0.02	0.145	22.21	23.50	1.346	0.195	/
	Level2		Back Side	15	20525	836.5	25	Mid	0.13	0.187	22.21	23.50	1.346	0.252	/
Hotspot															
Ant.0	Level2	QPSK	Front Side	10	20525	836.5	1	Mid	-0.07	0.264	23.03	24.50	1.403	0.370	/
	Level2		Back Side	10	20525	836.5	1	Mid	-0.04	0.433	23.03	24.50	1.403	**0.607**	25#
	Off		Left Edge	10	20525	836.5	1	Mid	-0.02	0.154	23.03	24.50	1.403	0.216	/
	Off		Right Edge	10	20525	836.5	1	Mid	-0.07	0.131	23.03	24.50	1.403	0.184	/
	Level2		Bottom Edge	10	20525	836.5	1	Mid	-0.09	0.272	23.03	24.50	1.403	0.382	/
	Level2		Front Side	10	20525	836.5	25	Mid	-0.08	0.222	22.21	23.50	1.346	0.299	/
	Level2		Back Side	10	20525	836.5	25	Mid	-0.06	0.356	22.21	23.50	1.346	0.479	/
	Off		Left Edge	10	20525	836.5	25	Mid	0.11	0.139	22.21	23.50	1.346	0.187	/
	Off		Right Edge	10	20525	836.5	25	Mid	0.09	0.104	22.21	23.50	1.346	0.140	/
	Level2		Bottom Edge	10	20525	836.5	25	Mid	0.14	0.181	22.21	23.50	1.346	0.244	/

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

11.9 LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	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 Report SAR (W/kg)	Meas. No.
Head															
Ant.0	Level1	QPSK	Left Cheek	0	21350	2560	1	Mid	0.00	0.027	23.75	24.50	1.189	0.032	/
	Level1		Left Tilt	0	21350	2560	1	Mid	0.01	0.005	23.75	24.50	1.189	0.006	/
	Level1		Right Cheek	0	21350	2560	1	Mid	-0.01	0.028	23.75	24.50	1.189	**0.033**	26#
	Level1		Right Tilt	0	21350	2560	1	Mid	0.05	0.004	23.75	24.50	1.189	0.005	/
	Level1		Left Cheek	0	21350	2560	50	High	0.00	0.020	22.64	23.50	1.219	0.024	/
	Level1		Left Tilt	0	21350	2560	50	High	-0.08	0.003	22.64	23.50	1.219	0.004	/
	Level1		Right Cheek	0	21350	2560	50	High	-0.11	0.021	22.64	23.50	1.219	0.026	/
	Level1		Right Tilt	0	21350	2560	50	High	-0.01	0.003	22.64	23.50	1.219	0.004	/
Body-Worn															
Ant.0	Level2	QPSK	Front Side	15	21350	2560	1	Low	0.13	0.102	21.76	22.00	1.057	0.108	/
	Level2		Back Side	15	21350	2560	1	Low	-0.07	0.181	21.76	22.00	1.057	**0.191**	27#
	Level2		Front Side	15	21350	2560	50	Low	0.14	0.089	21.29	21.50	1.050	0.093	/
	Level2		Back Side	15	21350	2560	50	Low	0.11	0.142	21.29	21.50	1.050	0.149	/
Hotspot															
Ant.0	Level2	QPSK	Front Side	10	21350	2560	1	Low	0.07	0.135	21.76	22.00	1.057	0.143	/
	Level2		Back Side	10	21350	2560	1	Low	-0.14	0.275	21.76	22.00	1.057	0.291	/
	Off		Left Edge	10	21350	2560	1	Low	-0.07	0.115	23.75	24.50	1.189	0.137	/
	Off		Right Edge	10	21350	2560	1	Low	0.06	0.010	23.75	24.50	1.189	0.012	/
	Level2		Bottom Edge	10	21350	2560	1	Low	-0.03	0.321	21.76	22.00	1.057	**0.339**	28#
	Level2		Front Side	10	21350	2560	50	Low	0.05	0.105	21.29	21.50	1.050	0.110	/
	Level2		Back Side	10	21350	2560	50	Low	-0.01	0.218	21.29	21.50	1.050	0.229	/
	Off		Left Edge	10	21350	2560	50	Low	-0.09	0.095	22.64	23.50	1.219	0.116	/
	Off		Right Edge	10	21350	2560	50	Low	0.01	0.007	22.64	23.50	1.219	0.009	/
	Level2		Bottom Edge	10	21350	2560	50	Low	-0.14	0.229	21.29	21.50	1.050	0.240	/
Body(Sensor-1)															
Ant.0	Off	QPSK	Front Side	29	21350	2560	1	Mid	0.05	0.133	23.75	24.50	1.189	0.158	/
	Off		Back Side	29	21350	2560	1	Mid	-0.02	0.259	23.75	24.50	1.189	0.308	/
	Off		Bottom Edge	29	21350	2560	1	Mid	-0.01	0.374	23.75	24.50	1.189	0.445	/
	Off		Front Side	29	21350	2560	50	High	0.07	0.103	22.64	23.50	1.219	0.126	/
	Off		Back Side	29	21350	2560	50	High	0.13	0.204	22.64	23.50	1.219	0.249	/
	Off		Bottom Edge	29	21350	2560	50	High	0.13	0.285	22.64	23.50	1.219	0.347	/

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

11.10 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	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 Report SAR (W/kg)	Meas. No.
Head															
Ant.0	Level1	QPSK	Left Cheek	0	23095	707.5	1	High	-0.11	0.105	23.82	25.50	1.472	0.155	/
	Level1		Left Tilt	0	23095	707.5	1	High	0.11	0.024	23.82	25.50	1.472	0.035	/
	Level1		Right Cheek	0	23095	707.5	1	High	0.02	0.137	23.82	25.50	1.472	**0.202**	29#
	Level1		Right Tilt	0	23095	707.5	1	High	-0.11	0.035	23.82	25.50	1.472	0.052	/
	Level1		Left Cheek	0	23095	707.5	25	Mid	0.11	0.085	22.88	24.50	1.452	0.123	/
	Level1		Left Tilt	0	23095	707.5	25	Mid	-0.09	0.012	22.88	24.50	1.452	0.017	/
	Level1		Right Cheek	0	23095	707.5	25	Mid	0.12	0.102	22.88	24.50	1.452	0.148	/
	Level1		Right Tilt	0	23095	707.5	25	Mid	0.02	0.024	22.88	24.50	1.452	0.035	/
Body-Worn															
Ant.0	Level2	QPSK	Front Side	15	23095	707.5	1	High	0.05	0.190	23.82	25.50	1.472	0.280	/
	Level2		Back Side	15	23095	707.5	1	High	-0.07	0.226	23.82	25.50	1.472	**0.333**	30#
	Level2		Front Side	15	23095	707.5	25	Mid	0.13	0.161	22.88	24.50	1.452	0.234	/
	Level2		Back Side	15	23095	707.5	25	Mid	-0.15	0.198	22.88	24.50	1.452	0.287	/
Hotspot															
Ant.0	Level2	QPSK	Front Side	10	23095	707.5	1	High	-0.15	0.179	23.82	25.50	1.472	0.263	/
	Level2		Back Side	10	23095	707.5	1	High	-0.01	0.238	23.82	25.50	1.472	**0.350**	31#
	Off		Left Edge	10	23095	707.5	1	High	0.07	0.220	23.82	25.50	1.472	0.324	/
	Off		Right Edge	10	23095	707.5	1	High	-0.15	0.150	23.82	25.50	1.472	0.221	/
	Level2		Bottom Edge	10	23095	707.5	1	High	0.03	0.118	23.82	25.50	1.472	0.174	/
	Level2		Front Side	10	23095	707.5	25	Mid	-0.06	0.156	22.88	24.50	1.452	0.227	/
	Level2		Back Side	10	23095	707.5	25	Mid	-0.06	0.211	22.88	24.50	1.452	0.306	/
	Off		Left Edge	10	23095	707.5	25	Mid	0.09	0.185	22.88	24.50	1.452	0.269	/
	Off		Right Edge	10	23095	707.5	25	Mid	-0.15	0.143	22.88	24.50	1.452	0.208	/
	Level2		Bottom Edge	10	23095	707.5	25	Mid	0.05	0.110	22.88	24.50	1.452	0.160	/

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

11.11 LTE Band 17 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	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 Report SAR (W/kg)	Meas. No.
Head															
Ant.0	Level1	QPSK	Left Cheek	0	23790	710	1	Low	-0.14	0.101	23.67	25.00	1.358	0.137	/
	Level1		Left Tilt	0	23790	710	1	Low	-0.05	0.028	23.67	25.00	1.358	0.038	/
	Level1		Right Cheek	0	23790	710	1	Low	0.08	0.127	23.67	25.00	1.358	**0.172**	32#
	Level1		Right Tilt	0	23790	710	1	Low	-0.15	0.045	23.67	25.00	1.358	0.061	/
	Level1		Left Cheek	0	23790	710	25	Mid	0.10	0.084	22.60	24.00	1.380	0.116	/
	Level1		Left Tilt	0	23790	710	25	Mid	0.13	0.014	22.60	24.00	1.380	0.019	/
	Level1		Right Cheek	0	23790	710	25	Mid	-0.08	0.096	22.60	24.00	1.380	0.132	/
	Level1		Right Tilt	0	23790	710	25	Mid	-0.12	0.034	22.60	24.00	1.380	0.047	/
Body-Worn															
Ant.0	Level2	QPSK	Front Side	15	23790	710	1	Low	0.11	0.185	23.67	25.00	1.358	0.251	/
	Level2		Back Side	15	23790	710	1	Low	-0.03	0.226	23.67	25.00	1.358	**0.307**	33#
	Level2		Front Side	15	23790	710	25	Mid	-0.10	0.148	22.60	24.00	1.380	0.204	/
	Level2		Back Side	15	23790	710	25	Mid	0.04	0.183	22.60	24.00	1.380	0.253	/
Hotspot															
Ant.0	Level2	QPSK	Front Side	10	23790	710	1	Low	0.12	0.177	23.67	25.00	1.358	0.240	/
	Level2		Back Side	10	23790	710	1	Low	-0.06	0.245	23.67	25.00	1.358	**0.333**	34#
	Off		Left Edge	10	23790	710	1	Low	-0.02	0.210	23.67	25.00	1.358	0.285	/
	Off		Right Edge	10	23790	710	1	Low	-0.10	0.149	23.67	25.00	1.358	0.202	/
	Level2		Bottom Edge	10	23790	710	1	Low	0.03	0.139	23.67	25.00	1.358	0.189	/
	Level2		Front Side	10	23790	710	25	Mid	0.00	0.143	22.60	24.00	1.380	0.197	/
	Level2		Back Side	10	23790	710	25	Mid	-0.09	0.194	22.60	24.00	1.380	0.268	/
	Off		Left Edge	10	23790	710	25	Mid	-0.10	0.174	22.60	24.00	1.380	0.240	/
	Off		Right Edge	10	23790	710	25	Mid	0.10	0.110	22.60	24.00	1.380	0.152	/
	Level2		Bottom Edge	10	23790	710	25	Mid	0.10	0.118	22.60	24.00	1.380	0.163	/

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

11.12 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	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 Report SAR (W/kg)	Meas. No.
Head															
Ant.0	Level1	QPSK	Left Cheek	0	26865	831.5	1	Low	0.01	0.157	23.61	25.00	1.377	0.216	/
	Level1		Left Tilt	0	26865	831.5	1	Low	0.14	0.065	23.61	25.00	1.377	0.090	/
	Level1		Right Cheek	0	26865	831.5	1	Low	0.08	0.190	23.61	25.00	1.377	**0.262**	35#
	Level1		Right Tilt	0	26865	831.5	1	Low	0.02	0.070	23.61	25.00	1.377	0.096	/
	Level1		Left Cheek	0	26865	831.5	36	Low	-0.04	0.132	22.79	24.00	1.321	0.174	/
	Level1		Left Tilt	0	26865	831.5	36	Low	-0.12	0.045	22.79	24.00	1.321	0.059	/
	Level1		Right Cheek	0	26865	831.5	36	Low	0.03	0.167	22.79	24.00	1.321	0.221	/
	Level1		Right Tilt	0	26865	831.5	36	Low	-0.13	0.051	22.79	24.00	1.321	0.067	/
Body-Worn															
Ant.0	Level2	QPSK	Front Side	15	26865	831.5	1	Low	0.15	0.135	23.61	25.00	1.377	0.186	/
	Level2		Back Side	15	26865	831.5	1	Low	-0.02	0.185	23.61	25.00	1.377	**0.255**	36#
	Level2		Front Side	15	26865	831.5	36	Low	-0.14	0.109	22.79	24.00	1.321	0.144	/
	Level2		Back Side	15	26865	831.5	36	Low	0.13	0.145	22.79	24.00	1.321	0.192	/
Hotspot															
Ant.0	Level2	QPSK	Front Side	10	26865	831.5	1	Low	0.06	0.221	23.61	25.00	1.377	0.304	/
	Level2		Back Side	10	26865	831.5	1	Low	-0.09	0.386	23.61	25.00	1.377	**0.532**	37#
	Off		Left Edge	10	26865	831.5	1	Low	0.09	0.107	23.61	25.00	1.377	0.147	/
	Off		Right Edge	10	26865	831.5	1	Low	0.10	0.120	23.61	25.00	1.377	0.165	/
	Level2		Bottom Edge	10	26865	831.5	1	Low	-0.05	0.236	23.61	25.00	1.377	0.325	/
	Level2		Front Side	10	26865	831.5	36	Low	-0.04	0.186	22.79	24.00	1.321	0.246	/
	Level2		Back Side	10	26865	831.5	36	Low	-0.09	0.307	22.79	24.00	1.321	0.406	/
	Off		Left Edge	10	26865	831.5	36	Low	-0.02	0.123	22.79	24.00	1.321	0.162	/
	Off		Right Edge	10	26865	831.5	36	Low	0.03	0.095	22.79	24.00	1.321	0.125	/
	Level2		Bottom Edge	10	26865	831.5	36	Low	-0.04	0.228	22.79	24.00	1.321	0.301	/

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

11.13 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	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 Report SAR (W/kg)	Meas. No.
Head															
Ant.0	Level1	QPSK	Left Cheek	0	132322	1745	1	Mid	0.06	0.145	24.69	25.50	1.205	0.175	/
	Level1		Left Tilt	0	132322	1745	1	Mid	-0.11	0.068	24.69	25.50	1.205	0.082	/
	Level1		Right Cheek	0	132322	1745	1	Mid	-0.09	0.197	24.69	25.50	1.205	**0.237**	38#
	Level1		Right Tilt	0	132322	1745	1	Mid	0.03	0.072	24.69	25.50	1.205	0.087	/
	Level1		Left Cheek	0	132322	1745	50	Mid	0.05	0.135	23.35	24.50	1.303	0.176	/
	Level1		Left Tilt	0	132322	1745	50	Mid	0.07	0.048	23.35	24.50	1.303	0.063	/
	Level1		Right Cheek	0	132322	1745	50	Mid	-0.15	0.162	23.35	24.50	1.303	0.211	/
	Level1		Right Tilt	0	132322	1745	50	Mid	-0.15	0.053	23.35	24.50	1.303	0.069	/
Body-Worn															
Ant.0	Level2	QPSK	Front Side	15	132322	1745	1	High	-0.06	0.067	22.59	23.50	1.233	0.083	/
	Level2		Back Side	15	132322	1745	1	High	0.04	0.156	22.59	23.50	1.233	**0.192**	39#
	Level2		Front Side	15	132322	1745	50	Mid	-0.01	0.046	21.64	22.50	1.219	0.056	/
	Level2		Back Side	15	132322	1745	50	Mid	-0.08	0.121	21.64	22.50	1.219	0.147	/
Hotspot															
Ant.0	Level2	QPSK	Front Side	10	132322	1745	1	High	0.08	0.105	22.59	23.50	1.233	0.129	/
	Level2		Back Side	10	132322	1745	1	High	0.12	0.316	22.59	23.50	1.233	0.390	/
	Off		Left Edge	10	132322	1745	1	Mid	-0.07	0.029	24.69	25.50	1.205	0.035	/
	Off		Right Edge	10	132322	1745	1	Mid	-0.11	0.042	24.69	25.50	1.205	0.051	/
	Level2		Bottom Edge	10	132322	1745	1	High	-0.14	0.488	22.59	23.50	1.233	**0.602**	40#
	Level2		Front Side	10	132322	1745	50	Mid	0.02	0.084	21.64	22.50	1.219	0.102	/
	Level2		Back Side	10	132322	1745	50	Mid	0.11	0.256	21.64	22.50	1.219	0.312	/
	Off		Left Edge	10	132322	1745	50	Mid	0.07	0.026	23.35	24.50	1.303	0.034	/
	Off		Right Edge	10	132322	1745	50	Mid	0.05	0.030	23.35	24.50	1.303	0.039	/
	Level2		Bottom Edge	10	132322	1745	50	Mid	0.15	0.306	21.64	22.50	1.219	0.373	/
Body(Sensor-1)															
Ant.0	Off	QPSK	Front Side	29	132322	1745	1	Mid	0.09	0.023	24.69	25.50	1.205	0.028	/
	Off		Back Side	29	132322	1745	1	Mid	-0.02	0.116	24.69	25.50	1.205	0.140	/
	Off		Bottom Edge	29	132322	1745	1	Mid	-0.09	0.128	24.69	25.50	1.205	0.154	/
	Off		Front Side	29	132322	1745	50	Mid	0.00	0.018	23.35	24.50	1.303	0.023	/
	Off		Back Side	29	132322	1745	50	Mid	-0.01	0.087	23.35	24.50	1.303	0.113	/
	Off		Bottom Edge	29	132322	1745	50	Mid	0.04	0.100	23.35	24.50	1.303	0.130	/

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

11.14 WIFI 2.4GHz

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.2	802.11b	Left Cheek	0	6	2437	0.11	0.573	13.46	14.00	1.132	98.20	1.018	**0.660**	41#
		Left Tilt	0	6	2437	-0.01	0.372	13.46	14.00	1.132	98.20	1.018	0.429	/
		Right Cheek	0	6	2437	-0.06	0.282	13.46	14.00	1.132	98.20	1.018	0.325	/
		Right Tilt	0	6	2437	-0.05	0.324	13.46	14.00	1.132	98.20	1.018	0.373	/
Body-Worn														
Ant.2	802.11b	Front Side	15	6	2437	-0.01	0.051	13.46	14.00	1.132	98.20	1.018	0.059	/
		Back Side	15	6	2437	0.02	0.062	13.46	14.00	1.132	98.20	1.018	**0.071**	42#
Hotspot														
Ant.2	802.11b	Front Side	10	6	2437	0.06	0.097	13.46	14.00	1.132	98.20	1.018	0.112	/
		Back Side	10	6	2437	0.04	0.121	13.46	14.00	1.132	98.20	1.018	**0.139**	43#
		Left Edge	10	6	2437	-0.01	0.063	13.46	14.00	1.132	98.20	1.018	0.073	/
		Top Edge	10	6	2437	0.05	0.104	13.46	14.00	1.132	98.20	1.018	0.120	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.15 WIFI 5GHz

Antenna	Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.2	5.3G	802.11 ac80	Left Cheek	0	58	5290	0.12	0.534	8.14	9.00	1.219	96.40	1.037	0.675	/
			Left Tilt	0	58	5290	0.00	0.564	8.14	9.00	1.219	96.40	1.037	**0.713**	44#
			Right Cheek	0	58	5290	0.11	0.260	8.14	9.00	1.219	96.40	1.037	0.329	/
			Right Tilt	0	58	5290	-0.05	0.334	8.14	9.00	1.219	96.40	1.037	0.422	/
Ant.2	5.6G	802.11 ac80	Left Cheek	0	122	5610	-0.06	0.549	8.45	9.00	1.135	96.40	1.037	0.646	/
			Left Tilt	0	122	5610	0.03	0.646	8.45	9.00	1.135	96.40	1.037	**0.760**	45#
			Right Cheek	0	122	5610	-0.11	0.385	8.45	9.00	1.135	96.40	1.037	0.453	/
			Right Tilt	0	122	5610	-0.13	0.477	8.45	9.00	1.135	96.40	1.037	0.561	/
Ant.2	5.8G	802.11 ac80	Left Cheek	0	155	5775	-0.11	0.382	8.28	9.00	1.180	96.40	1.037	0.467	/
			Left Tilt	0	155	5775	0.08	0.395	8.28	9.00	1.180	96.40	1.037	**0.483**	46#
			Right Cheek	0	155	5775	-0.06	0.277	8.28	9.00	1.180	96.40	1.037	0.339	/
			Right Tilt	0	155	5775	0.06	0.346	8.28	9.00	1.180	96.40	1.037	0.423	/
Body-worn															
Ant.2	5.3G	802.11 ac80	Front Side	15	58	5290	-0.06	0.083	8.14	9.00	1.219	96.40	1.037	0.105	/
			Back Side	15	58	5290	0.00	0.322	8.14	9.00	1.219	96.40	1.037	**0.407**	47#
Ant.2	5.6G	802.11 ac80	Front Side	15	122	5610	-0.12	0.153	8.45	9.00	1.135	96.40	1.037	0.180	/
			Back Side	15	122	5610	0.09	0.630	8.45	9.00	1.135	96.40	1.037	**0.742**	48#
Ant.2	5.8G	802.11 ac80	Front Side	15	155	5775	0.04	0.123	8.28	9.00	1.180	96.40	1.037	0.151	/
			Back Side	15	155	5775	0.08	0.370	8.28	9.00	1.180	96.40	1.037	**0.453**	49#
Hotspot															
Ant.2	5.2G	802.11 ac80	Front Side	10	42	5210	-0.03	0.084	8.20	9.00	1.202	96.40	1.037	0.105	/
			Back Side	10	42	5210	0.08	0.349	8.20	9.00	1.202	96.40	1.037	**0.435**	50#
			Left Edge	10	42	5210	0.04	0.081	8.20	9.00	1.202	96.40	1.037	0.101	/
			Top Edge	10	42	5210	0.05	0.291	8.20	9.00	1.202	96.40	1.037	0.363	/
Ant.2	5.8G	802.11 ac80	Front Side	10	155	5775	-0.13	0.166	8.28	9.00	1.180	96.40	1.037	0.203	/
			Back Side	10	155	5775	0.08	0.527	8.28	9.00	1.180	96.40	1.037	**0.645**	51#
			Left Edge	10	155	5775	-0.14	0.268	8.28	9.00	1.180	96.40	1.037	0.328	/
			Top Edge	10	155	5775	0.09	0.480	8.28	9.00	1.180	96.40	1.037	0.587	/

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

Antenna	Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.2	5.3G	802.11 ac80	Front Side	0	58	5290	-0.10	0.274	8.14	9.00	1.219	96.40	1.037	0.346	/
			Back Side	0	58	5290	-0.14	0.518	8.14	9.00	1.219	96.40	1.037	0.655	/
			Left Edge	0	58	5290	0.01	0.195	8.14	9.00	1.219	96.40	1.037	0.247	/
			Top Edge	0	58	5290	0.00	0.690	8.14	9.00	1.219	96.40	1.037	**0.872**	52#
Ant.2	5.6G	802.11 ac80	Front Side	0	122	5610	-0.14	0.235	8.45	9.00	1.135	96.40	1.037	0.277	/
			Back Side	0	122	5610	-0.09	0.495	8.45	9.00	1.135	96.40	1.037	0.583	/
			Left Edge	0	122	5610	-0.09	0.240	8.45	9.00	1.135	96.40	1.037	0.282	/
			Top Edge	0	122	5610	0.02	0.950	8.45	9.00	1.135	96.40	1.037	**1.118**	53#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.16 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.2	DH5	Left Cheek	0	78	2480	0.05	0.034	4.15	5.00	1.216	77.48	1.291	**0.053**	54#
		Left Tilt	0	78	2480	0.11	0.015	4.15	5.00	1.216	77.48	1.291	0.024	/
		Right Cheek	0	78	2480	-0.04	0.013	4.15	5.00	1.216	77.48	1.291	0.020	/
		Right Tilt	0	78	2480	0.01	0.012	4.15	5.00	1.216	77.48	1.291	0.019	/
Body-Worn														
Ant.2	DH5	Front Side	15	78	2480	-0.01	0.021	4.15	5.00	1.216	77.48	1.291	0.026	/
		Back Side	15	78	2480	0.00	0.027	4.15	5.00	1.216	77.48	1.291	**0.033**	55#
Hotspot														
Ant.2	DH5	Front Side	10	78	2480	-0.09	0.031	4.15	5.00	1.216	77.48	1.291	0.038	/
		Back Side	10	78	2480	0.01	0.042	4.15	5.00	1.216	77.48	1.291	**0.051**	56#
		Left Edge	10	78	2480	-0.05	0.017	4.15	5.00	1.216	77.48	1.291	0.021	/
		Top Edge	10	78	2480	0.06	0.038	4.15	5.00	1.216	77.48	1.291	0.046	/
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 0.773 < 0.80 W/kg, repeated measurement is not required.
Note: For product specific 10g SAR, the highest measured 10g SAR is 1.990 < 2.0 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.	Simultaneous Tx Combination	Head	Body-Worn	Hotspot	Specific
1	WLAN 5GHz + BT	Yes	Yes	Yes	Yes
2	WWAN + WLAN 2.4GHz	Yes	Yes	Yes	Yes
3	WWAN + WLAN 5GHz	Yes	Yes	Yes	Yes
4	WWAN + BT	Yes	Yes	Yes	Yes
5	WWAN + WLAN 5GHz + BT	Yes	Yes	Yes	Yes

Note:

1. The maximum SAR summation is calculated based on the same configuration and test position.
2. WLAN 2.4GHz and Bluetooth will not be transmitting at same time, WLAN 2.4GHz and WLAN 5GHz will not be transmitting at same time.

13.2 Sum SAR of Simultaneous Transmission

13.2.1 Head Simultaneous Transmission SAR Evaluation for WWAN and WLAN

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI	Bluetooth	1+2	1+3+4
GSM850	Ant.0	Left Cheek	0.257	0.660	0.675	0.053	0.917	0.985
		Left Tilt	0.171	0.429	0.760	0.024	0.600	0.955
		Right Cheek	0.299	0.325	0.453	0.020	0.624	0.772
		Right Tilt	0.202	0.373	0.561	0.019	0.575	0.782
GSM1900	Ant.0	Left Cheek	0.088	0.660	0.675	0.053	0.748	0.816
		Left Tilt	0.055	0.429	0.760	0.024	0.484	0.839
		Right Cheek	0.101	0.325	0.453	0.020	0.426	0.574
		Right Tilt	0.079	0.373	0.561	0.019	0.452	0.659
WCDMA B2	Ant.0	Left Cheek	0.147	0.660	0.675	0.053	0.807	0.875
		Left Tilt	0.073	0.429	0.760	0.024	0.502	0.857
		Right Cheek	0.182	0.325	0.453	0.020	0.507	0.655
		Right Tilt	0.087	0.373	0.561	0.019	0.460	0.667
WCDMA B4	Ant.0	Left Cheek	0.167	0.660	0.675	0.053	0.827	0.895
		Left Tilt	0.077	0.429	0.760	0.024	0.506	0.861
		Right Cheek	0.194	0.325	0.453	0.020	0.519	0.667
		Right Tilt	0.089	0.373	0.561	0.019	0.462	0.669
WCDMA B5	Ant.0	Left Cheek	0.244	0.660	0.675	0.053	0.904	0.972
		Left Tilt	0.146	0.429	0.760	0.024	0.575	0.930
		Right Cheek	0.264	0.325	0.453	0.020	0.589	0.737
		Right Tilt	0.173	0.373	0.561	0.019	0.546	0.753
LTE B2	Ant.0	Left Cheek	0.244	0.660	0.675	0.053	0.904	0.972
		Left Tilt	0.112	0.429	0.760	0.024	0.541	0.896
		Right Cheek	0.342	0.325	0.453	0.020	0.667	0.815
		Right Tilt	0.122	0.373	0.561	0.019	0.495	0.702
LTE B4	Ant.0	Left Cheek	0.123	0.660	0.675	0.053	0.783	0.851
		Left Tilt	0.065	0.429	0.760	0.024	0.494	0.849
		Right Cheek	0.161	0.325	0.453	0.020	0.486	0.634
		Right Tilt	0.074	0.373	0.561	0.019	0.447	0.654
LTE B5	Ant.0	Left Cheek	0.262	0.660	0.675	0.053	0.922	**0.990**
		Left Tilt	0.143	0.429	0.760	0.024	0.572	0.927
		Right Cheek	0.288	0.325	0.453	0.020	0.613	0.761
		Right Tilt	0.161	0.373	0.561	0.019	0.534	0.741
LTE B7	Ant.0	Left Cheek	0.037	0.660	0.675	0.053	0.697	0.765
		Left Tilt	0.006	0.429	0.760	0.024	0.435	0.790

		Right Cheek	0.033	0.325	0.453	0.020	0.358	0.506
		Right Tilt	0.005	0.373	0.561	0.019	0.378	0.585
LTE B12	Ant.0	Left Cheek	0.155	0.660	0.675	0.053	0.815	0.883
		Left Tilt	0.035	0.429	0.760	0.024	0.464	0.819
		Right Cheek	0.202	0.325	0.453	0.020	0.527	0.675
		Right Tilt	0.052	0.373	0.561	0.019	0.425	0.632
LTE B17	Ant.0	Left Cheek	0.137	0.660	0.675	0.053	0.797	0.865
		Left Tilt	0.038	0.429	0.760	0.024	0.467	0.822
		Right Cheek	0.173	0.325	0.453	0.020	0.498	0.646
		Right Tilt	0.061	0.373	0.561	0.019	0.434	0.641
LTE B26	Ant.0	Left Cheek	0.216	0.660	0.675	0.053	0.876	0.944
		Left Tilt	0.090	0.429	0.760	0.024	0.519	0.874
		Right Cheek	0.262	0.325	0.453	0.020	0.587	0.735
		Right Tilt	0.096	0.373	0.561	0.019	0.469	0.676
LTE B66	Ant.0	Left Cheek	0.175	0.660	0.675	0.053	0.835	0.903
		Left Tilt	0.082	0.429	0.760	0.024	0.511	0.866
		Right Cheek	0.237	0.325	0.453	0.020	0.562	0.710
		Right Tilt	0.087	0.373	0.561	0.019	0.460	0.667

Note:

1: The simultaneous transmission combinations of the antennas antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 0.990 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.2 Body-Worn Simultaneous Transmission SAR Evaluation for WWAN and WLAN

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI	Bluetooth	1+2	1+3+4
GSM850	Ant.0	Front Side 15mm	0.252	0.059	0.180	0.026	0.311	0.458
		Back Side 15mm	0.408	0.071	0.742	0.033	0.479	1.183
GSM1900	Ant.0	Front Side 15mm	0.102	0.059	0.180	0.026	0.161	0.308
		Back Side 15mm	0.195	0.071	0.742	0.033	0.266	0.970
WCDMA B2	Ant.0	Front Side 15mm	0.178	0.059	0.180	0.026	0.237	0.384
		Back Side 15mm	0.351	0.071	0.742	0.033	0.422	1.126
WCDMA B4	Ant.0	Front Side 15mm	0.140	0.059	0.180	0.026	0.199	0.346
		Back Side 15mm	0.203	0.071	0.742	0.033	0.274	0.978
WCDMA B5	Ant.0	Front Side 15mm	0.209	0.059	0.180	0.026	0.268	0.415
		Back Side 15mm	0.310	0.071	0.742	0.033	0.381	1.085
LTE B2	Ant.0	Front Side 15mm	0.271	0.059	0.180	0.026	0.330	0.477
		Back Side 15mm	0.498	0.071	0.742	0.033	0.569	**1.273**
LTE B4	Ant.0	Front Side 15mm	0.119	0.059	0.180	0.026	0.178	0.325
		Back Side 15mm	0.212	0.071	0.742	0.033	0.283	0.987
LTE B5	Ant.0	Front Side 15mm	0.241	0.059	0.180	0.026	0.300	0.447
		Back Side 15mm	0.331	0.071	0.742	0.033	0.402	1.106
LTE B7	Ant.0	Front Side 15mm	0.108	0.059	0.180	0.026	0.167	0.314
		Back Side 15mm	0.191	0.071	0.742	0.033	0.262	0.966
LTE B12	Ant.0	Front Side 15mm	0.280	0.059	0.180	0.026	0.339	0.486
		Back Side 15mm	0.333	0.071	0.742	0.033	0.404	1.108
LTE B17	Ant.0	Front Side 15mm	0.251	0.059	0.180	0.026	0.310	0.457
		Back Side 15mm	0.307	0.071	0.742	0.033	0.378	1.082
LTE B26	Ant.0	Front Side 15mm	0.186	0.059	0.180	0.026	0.245	0.392
		Back Side 15mm	0.255	0.071	0.742	0.033	0.326	1.030
LTE B66	Ant.0	Front Side 15mm	0.083	0.059	0.180	0.026	0.142	0.289
		Back Side 15mm	0.192	0.071	0.742	0.033	0.263	0.967

Note:

1: The simultaneous transmission combinations of the antennas antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.273 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.3 Hotspot Simultaneous Transmission SAR Evaluation for WWAN and WLAN

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI	Bluetooth	1+2	1+3+4
GSM850	Ant.0	Front Side 10mm	0.428	0.112	0.203	0.038	0.540	0.669
		Back Side 10mm	0.832	0.139	0.645	0.051	0.971	**1.528**
		Left Edge 10mm	0.484	0.073	0.328	0.021	0.557	0.833
		Right Edge 10mm	0.211	0.000	0.587	0.000	0.211	0.798
		Top Edge 10mm	0.000	0.120	0.817	0.046	0.120	0.863
		Bottom Edge 10mm	0.523	0.000	0.000	0.000	0.523	0.523
GSM1900	Ant.0	Front Side 10mm	0.157	0.112	0.203	0.038	0.269	0.398
		Back Side 10mm	0.323	0.139	0.645	0.051	0.462	1.019
		Left Edge 10mm	0.044	0.073	0.328	0.021	0.117	0.393
		Right Edge 10mm	0.068	0.000	0.587	0.000	0.068	0.655
		Top Edge 10mm	0.000	0.120	0.817	0.046	0.120	0.863
		Bottom Edge 10mm	0.434	0.000	0.000	0.000	0.434	0.434
WCDMA B2	Ant.0	Front Side 10mm	0.254	0.112	0.203	0.038	0.366	0.495
		Back Side 10mm	0.536	0.139	0.645	0.051	0.675	1.232
		Left Edge 10mm	0.101	0.073	0.328	0.021	0.174	0.450
		Right Edge 10mm	0.103	0.000	0.587	0.000	0.103	0.690
		Top Edge 10mm	0.000	0.120	0.817	0.046	0.120	0.863
		Bottom Edge 10mm	0.745	0.000	0.000	0.000	0.745	0.745
WCDMA B4	Ant.0	Front Side 10mm	0.222	0.112	0.203	0.038	0.334	0.463
		Back Side 10mm	0.617	0.139	0.645	0.051	0.756	1.313
		Left Edge 10mm	0.073	0.073	0.328	0.021	0.146	0.422
		Right Edge 10mm	0.074	0.000	0.587	0.000	0.074	0.661
		Top Edge 10mm	0.000	0.120	0.817	0.046	0.120	0.863
		Bottom Edge 10mm	0.891	0.000	0.000	0.000	0.891	0.891
WCDMA B5	Ant.0	Front Side 10mm	0.312	0.112	0.203	0.038	0.424	0.553
		Back Side 10mm	0.577	0.139	0.645	0.051	0.716	1.273
		Left Edge 10mm	0.180	0.073	0.328	0.021	0.253	0.529
		Right Edge 10mm	0.153	0.000	0.587	0.000	0.153	0.740
		Top Edge 10mm	0.000	0.120	0.817	0.046	0.120	0.863
		Bottom Edge 10mm	0.313	0.000	0.000	0.000	0.313	0.313
LTE B2	Ant.0	Front Side 10mm	0.383	0.112	0.203	0.038	0.495	0.624
		Back Side 10mm	0.797	0.139	0.645	0.051	0.936	1.493
		Left Edge 10mm	0.095	0.073	0.328	0.021	0.168	0.444
		Right Edge 10mm	0.163	0.000	0.587	0.000	0.163	0.750
		Top Edge 10mm	0.000	0.120	0.817	0.046	0.120	0.863

		Bottom Edge 10mm	1.036	0.000	0.000	0.000	1.036	1.036
LTE B4	Ant.0	Front Side 10mm	0.178	0.112	0.203	0.038	0.290	0.419
		Back Side 10mm	0.472	0.139	0.645	0.051	0.611	1.168
		Left Edge 10mm	0.053	0.073	0.328	0.021	0.126	0.402
		Right Edge 10mm	0.054	0.000	0.587	0.000	0.054	0.641
		Top Edge 10mm	0.000	0.120	0.817	0.046	0.120	0.863
		Bottom Edge 10mm	0.762	0.000	0.000	0.000	0.762	0.762
LTE B5	Ant.0	Front Side 10mm	0.370	0.112	0.203	0.038	0.482	0.611
		Back Side 10mm	0.607	0.139	0.645	0.051	0.746	1.303
		Left Edge 10mm	0.216	0.073	0.328	0.021	0.289	0.565
		Right Edge 10mm	0.184	0.000	0.587	0.000	0.184	0.771
		Top Edge 10mm	0.000	0.120	0.817	0.046	0.120	0.863
		Bottom Edge 10mm	0.382	0.000	0.000	0.000	0.382	0.382
LTE B7	Ant.0	Front Side 10mm	0.143	0.112	0.203	0.038	0.255	0.384
		Back Side 10mm	0.291	0.139	0.645	0.051	0.430	0.987
		Left Edge 10mm	0.137	0.073	0.328	0.021	0.210	0.486
		Right Edge 10mm	0.012	0.000	0.587	0.000	0.012	0.599
		Top Edge 10mm	0.000	0.120	0.817	0.046	0.120	0.863
		Bottom Edge 10mm	0.339	0.000	0.000	0.000	0.339	0.339
LTE B12	Ant.0	Front Side 10mm	0.264	0.112	0.203	0.038	0.376	0.505
		Back Side 10mm	0.350	0.139	0.645	0.051	0.489	1.046
		Left Edge 10mm	0.324	0.073	0.328	0.021	0.397	0.673
		Right Edge 10mm	0.221	0.000	0.587	0.000	0.221	0.808
		Top Edge 10mm	0.000	0.120	0.817	0.046	0.120	0.863
		Bottom Edge 10mm	0.174	0.000	0.000	0.000	0.174	0.174
LTE B17	Ant.0	Front Side 10mm	0.240	0.112	0.203	0.038	0.352	0.481
		Back Side 10mm	0.333	0.139	0.645	0.051	0.472	1.029
		Left Edge 10mm	0.285	0.073	0.328	0.021	0.358	0.634
		Right Edge 10mm	0.202	0.000	0.587	0.000	0.202	0.789
		Top Edge 10mm	0.000	0.120	0.817	0.046	0.120	0.863
		Bottom Edge 10mm	0.189	0.000	0.000	0.000	0.189	0.189
LTE B26	Ant.0	Front Side 10mm	0.304	0.112	0.203	0.038	0.416	0.545
		Back Side 10mm	0.532	0.139	0.645	0.051	0.671	1.228
		Left Edge 10mm	0.147	0.073	0.328	0.021	0.220	0.496
		Right Edge 10mm	0.165	0.000	0.587	0.000	0.165	0.752
		Top Edge 10mm	0.000	0.120	0.817	0.046	0.120	0.863
		Bottom Edge 10mm	0.325	0.000	0.000	0.000	0.325	0.325
LTE B66	Ant.0	Front Side 10mm	0.129	0.112	0.203	0.038	0.241	0.370
		Back Side 10mm	0.390	0.139	0.645	0.051	0.529	1.086

		Left Edge 10mm	0.035	0.073	0.328	0.021	0.108	0.384
		Right Edge 10mm	0.051	0.000	0.587	0.000	0.051	0.638
		Top Edge 10mm	0.000	0.120	0.817	0.046	0.120	0.863
		Bottom Edge 10mm	0.602	0.000	0.000	0.000	0.602	0.602

Note:

1: The simultaneous transmission combinations of the antennas antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.528 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.4 Specific Simultaneous Transmission SAR Evaluation for WWAN and WLAN

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI	Bluetooth	1+2	1+3+4
LTE B2	Ant.0	Back Side 0mm	2.666	0.000	0.583	0.000	2.666	**3.249**
		Bottom Edge 0mm	2.318	0.000	0.000	0.000	2.318	2.318

Note:

1: The simultaneous transmission combinations of the antennas antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 10g SAR is 3.249 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.s

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: 1208	2021/07/05	2024/07/05
835MHz Validation Dipole	Speag	D835V2	SN: 4d277	2021/09/09	2024/09/09
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2024/05/08	2027/05/07
1950MHz Validation Dipole	Speag	D1950V2	SN: 1240	2021/09/13	2024/09/13
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2024/05/07	2027/05/06
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2024/05/08	2027/05/07
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1333	2021/09/14	2024/09/14
Data Acquisition Electronicsr	Speag	DAE4	SN: 1711	2024/03/18	2025/03/18
E-Field Probe	Speag	EX3DV4	SN: 7510	2024/06/25	2025/06/24
Signal Generator	R&S	SMB100A	177746	2024/04/24	2025/04/24
Power Meter	R&S	NRVD-B2	835843/014	2023/09/05	2024/09/05
Power Sensor	R&S	NRV-Z4	100381	2023/09/05	2024/09/05
Power Sensor	R&S	NRV-Z2	100211	2023/09/05	2024/09/05
Wireless Communication Test Set	Anritsu	MT8820C	6201502991	2023/11/14	2024/11/13
Network Analyzer	Agilent	E5071C	MY46103472	2023/11/14	2024/11/14
Thermometer	Elitech	RC-4	EF5238001629	2023/10/09	2024/10/09
Thermometer	Elitech	RC-4HC	EF7239002655	2023/11/17	2024/11/17
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 1576	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 a DAK3.5 Dielectric Probe Kit.

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2024.07.02	Head	750	21.3	0.92	40.76	0.89	41.94	3.37	-2.81
2024.07.04	Head	835	21.1	0.89	41.67	0.90	41.50	-1.11	0.41
2024.07.05	Head	835	21.4	0.91	42.08	0.90	41.50	1.11	1.40
2024.07.06	Head	1750	21.7	1.40	39.88	1.37	40.08	2.19	-0.50
2024.07.07	Head	1750	21.2	1.38	40.84	1.37	40.08	0.73	1.90
2024.07.08	Head	1950	21.3	1.43	39.30	1.40	40.00	2.14	-1.75
2024.07.09	Head	1950	21.4	1.45	38.76	1.40	40.00	3.57	-3.10
2024.07.11	Head	2450	21.1	1.82	39.28	1.80	39.20	1.11	0.20
2024.07.10	Head	2600	21.1	1.98	38.77	1.96	39.01	1.02	-0.62
2024.07.18	Head	5200	21.3	4.58	36.71	4.66	35.99	-1.72	2.00
2024.07.18	Head	5300	21.3	4.72	35.99	4.76	35.87	-0.84	0.33
2024.07.19	Head	5600	21.5	5.09	35.64	5.07	35.53	0.39	0.31
2024.07.20	Head	5800	21.6	5.36	34.76	5.27	35.30	1.71	-1.53
Note: The tolerance limit of Conductivity and Permittivity is± 5%.									

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.07.02	Head	750	100	0.865	8.65	8.51	1.65
2024.07.04	Head	835	100	0.982	9.82	9.72	1.03
2024.07.05	Head	835	100	0.985	9.85	9.72	1.34
2024.07.06	Head	1750	100	3.710	37.10	37.00	0.27
2024.07.07	Head	1750	100	3.580	35.80	37.00	-3.24
2024.07.08	Head	1950	100	4.050	40.50	41.40	-2.17
2024.07.09	Head	1950	100	3.980	39.80	41.40	-3.86
2024.07.11	Head	2450	100	5.340	53.40	52.60	1.52
2024.07.10	Head	2600	100	5.830	58.30	55.90	4.29
2024.07.18	Head	5200	100	8.090	80.90	80.10	1.00
2024.07.18	Head	5300	100	8.140	81.40	81.80	-0.49
2024.07.19	Head	5600	100	8.250	82.50	83.60	-1.32
2024.07.20	Head	5800	100	8.330	83.30	82.30	1.22
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.07.09	Head	1950	100	2.060	20.60	21.40	-3.74
2024.07.18	Head	5300	100	2.330	23.30	23.40	-0.43
2024.07.19	Head	5600	100	2.460	24.60	23.80	3.36
Note: The tolerance limit of System validation ±10%.							

System Performance Check Data (750MHz)

Date: 2024.07.02

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

Medium parameters used: f = 750 MHz; σ = 0.918 S/m; ε_r = 40.756; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.29, 10.29, 10.29); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 750 100mw/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.09 W/kg

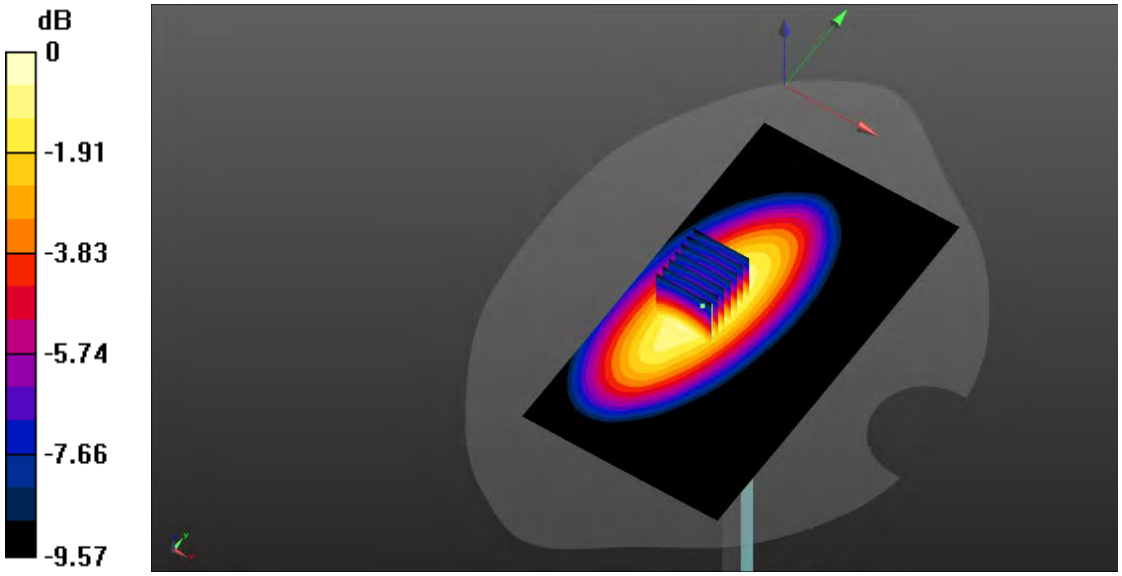
CW 750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.98 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.865 W/kg; SAR(10 g) = 0.571 W/kg

Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg

System Performance Check Data (835MHz)

Date: 2024.07.04

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

Medium parameters used (interpolated): f = 835 MHz; σ = 0.887 S/m; ε_r = 41.67; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.99, 9.99, 9.99); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835 100mw/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.13 W/kg

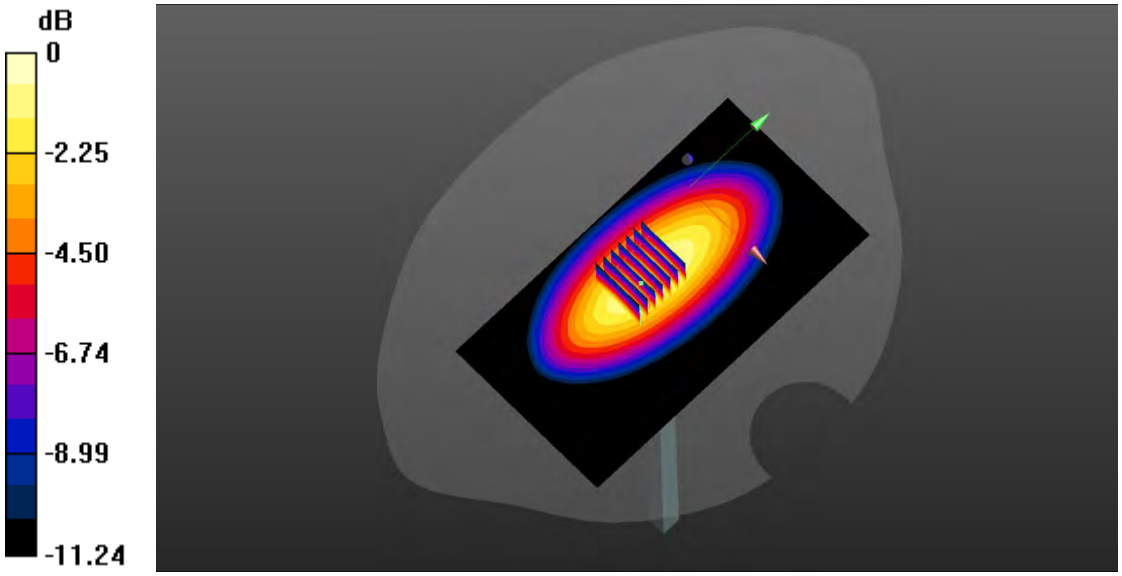
CW 835 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.76 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 0.982 W/kg; SAR(10 g) = 0.624 W/kg

Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.18 W/kg

System Performance Check Data (835MHz)

Date: 2024.07.05

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

Medium parameters used (interpolated): f = 835 MHz; σ = 0.91 S/m; ε_r = 42.08; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.99, 9.99, 9.99); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835 100mw/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.16 W/kg

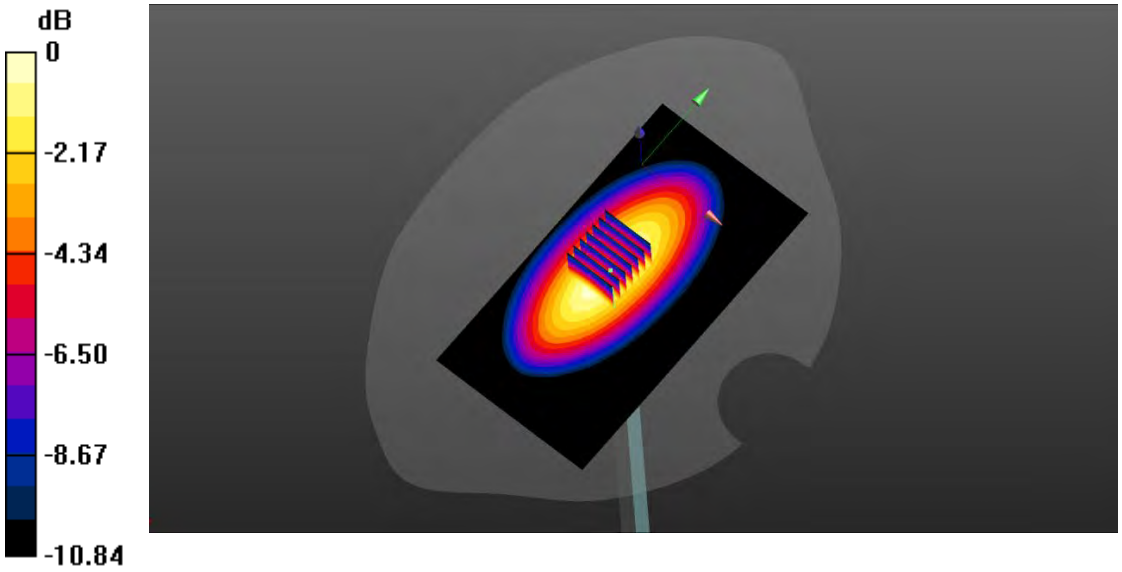
CW 835 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.54 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 0.985 W/kg; SAR(10 g) = 0.628 W/kg

Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg

System Performance Check Data (1750MHz)

Date: 2024.07.06

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

Medium parameters used: f = 1750 MHz; σ = 1.403 S/m; ε_r = 39.882; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW1750 100mw/Area Scan (71x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 4.26 W/kg

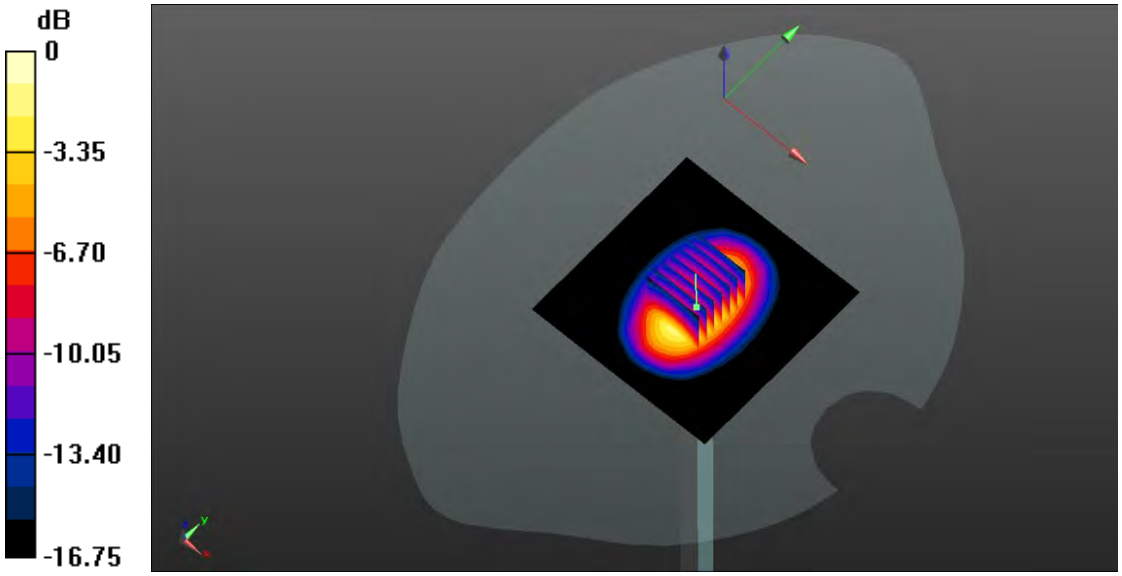
CW1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 44.23 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 9.15 W/kg

SAR(1 g) = 3.71 W/kg; SAR(10 g) = 1.95 W/kg

Maximum value of SAR (measured) = 4.21 W/kg



0 dB = 4.21 W/kg

System Performance Check Data (1750MHz)

Date: 2024.07.07

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

Medium parameters used: f = 1750 MHz; σ = 1.38 S/m; ε_r = 40.835; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW1750 100mw/Area Scan (71x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 3.71 W/kg

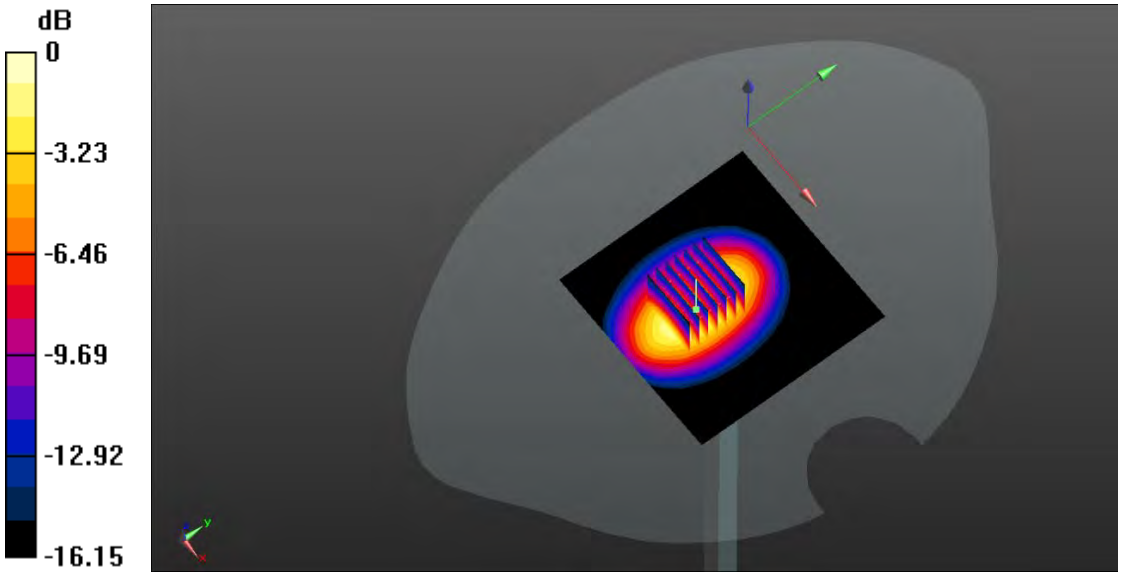
CW1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.12 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 10.1 W/kg

SAR(1 g) = 3.58 W/kg; SAR(10 g) = 1.84 W/kg

Maximum value of SAR (measured) = 3.82 W/kg



0 dB = 3.82 W/kg

System Performance Check Data (1950MHz)

Date: 2024.07.08

Communication System Band: D1950 (1950.0 MHz); Frequency: 1950 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1950 MHz; σ = 1.427 S/m; ε_r = 39.296; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.33, 8.33, 8.33); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1950 100mw/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 5.18 W/kg

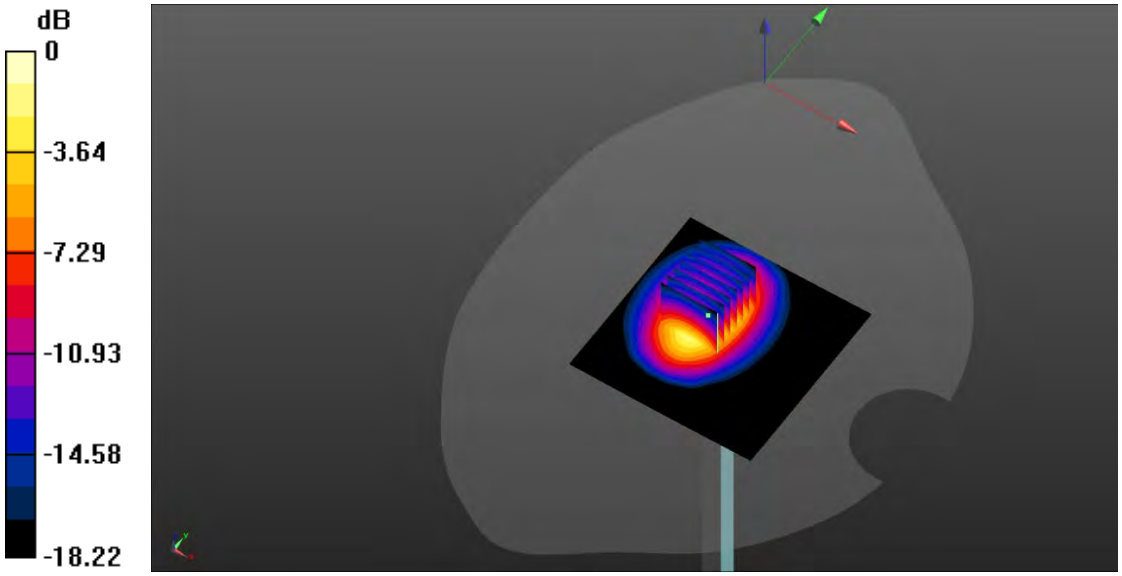
CW 1950 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.68 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 8.67 W/kg

SAR(1 g) = 4.05 W/kg; SAR(10 g) = 2.08 W/kg

Maximum value of SAR (measured) = 4.73 W/kg



0 dB = 4.73 W/kg

System Performance Check Data (1950MHz)

Date: 2024.07.09

Communication System Band: D1950 (1950.0 MHz); Frequency: 1950 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1950 MHz; σ = 1.446 S/m; ε_r = 38.756; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.33, 8.33, 8.33); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1950 100mw/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 4.65 W/kg

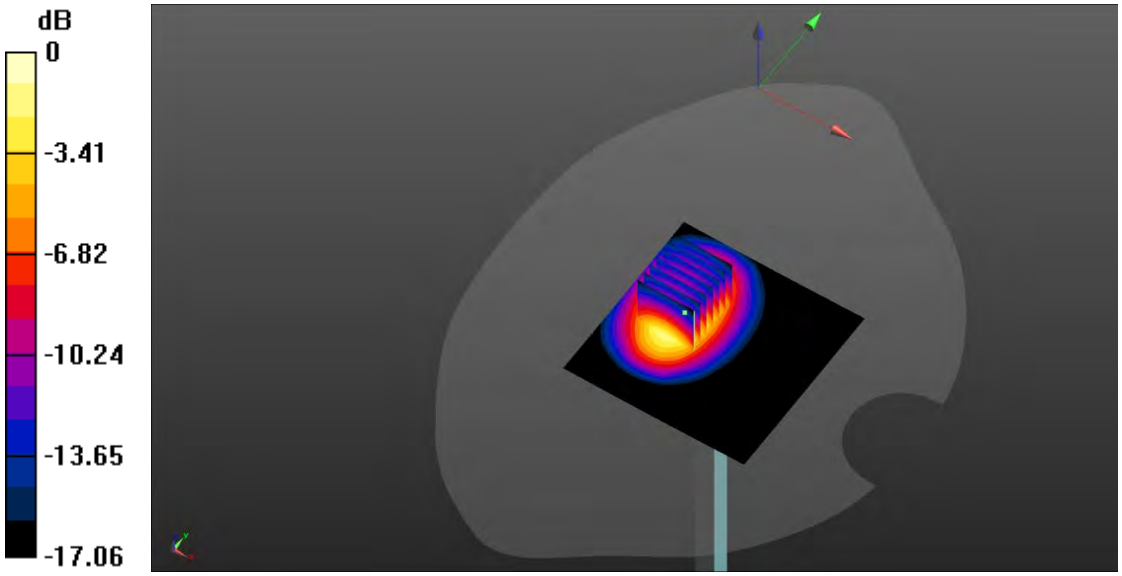
CW 1950 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.56 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 6.98 W/kg

SAR(1 g) = 3.98 W/kg; SAR(10 g) = 2.06 W/kg

Maximum value of SAR (measured) = 4.39 W/kg



0 dB = 4.39 W/kg

System Performance Check Data (2450MHz)

Date: 2024.07.11

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

Medium parameters used: f = 2450 MHz; σ = 1.815 S/m; ε_r = 39.279; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450 100mw/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.25 W/kg

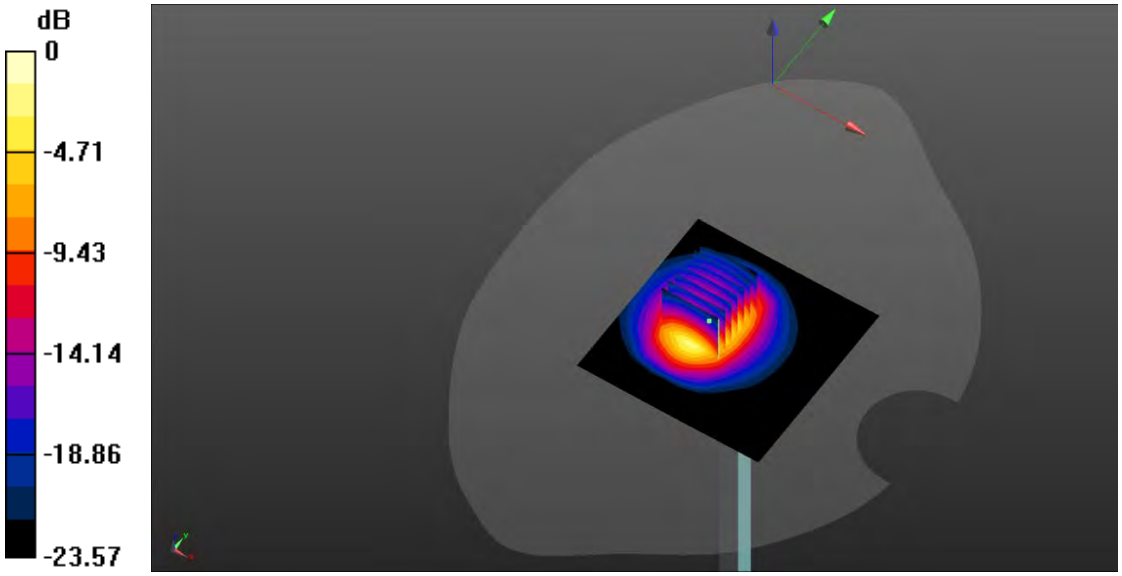
CW 2450 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 42.62 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 5.34 W/kg; SAR(10 g) = 2.45 W/kg

Maximum value of SAR (measured) = 6.28 W/kg



0 dB = 6.28 W/kg

System Performance Check Data (2600MHz)

Date: 2024.07.10

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

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.979 S/m; ε_r = 38.772; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.59, 7.59, 7.59); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.55 W/kg

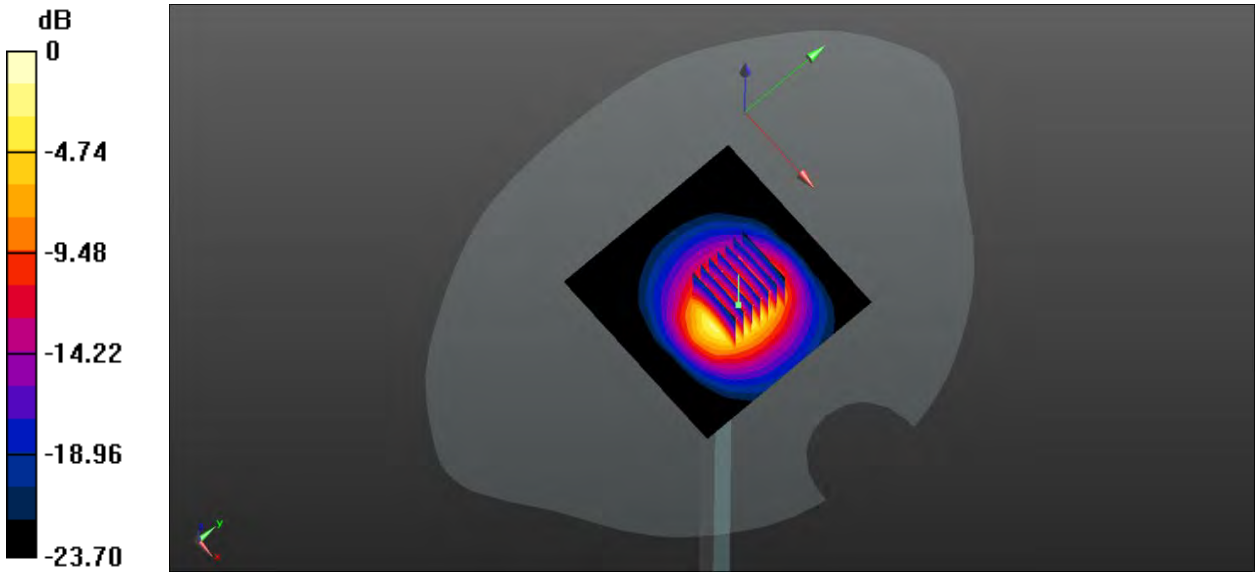
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.96 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 11.8 W/kg

SAR(1 g) = 5.83 W/kg; SAR(10 g) = 2.52 W/kg

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



0 dB = 6.59 W/kg

System Performance Check Data (5200MHz)

Date: 2024.07.18

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5200 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5200 MHz; σ = 4.575 S/m; ε_r = 36.706; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.74, 5.74, 5.74); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5200/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.44 W/kg

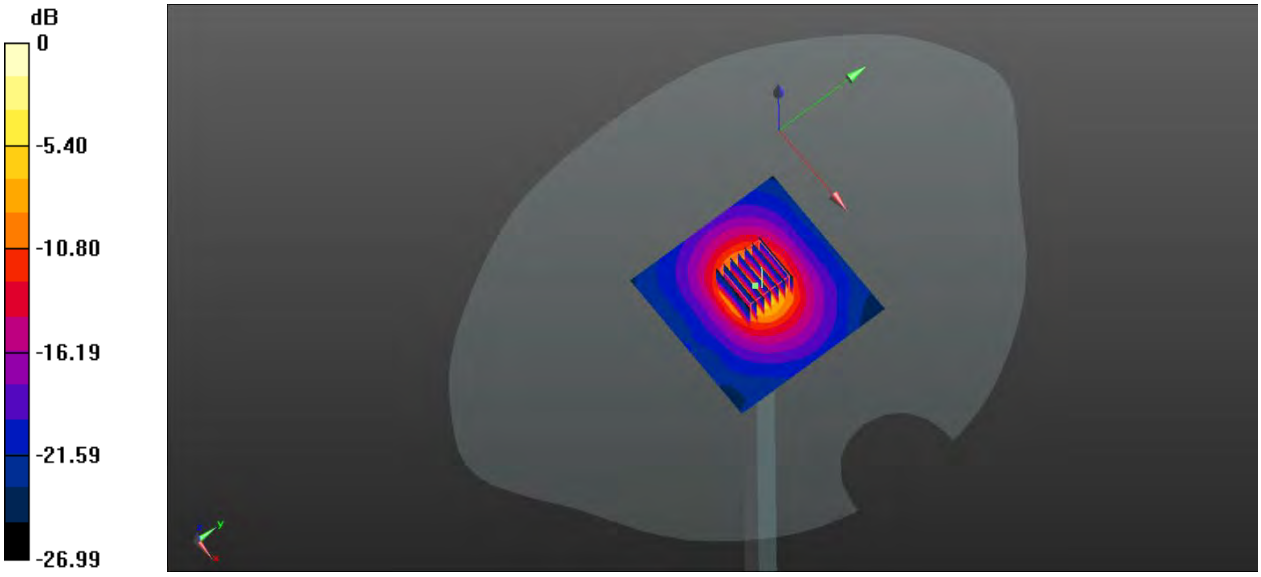
CW 5200/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 30.68 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 30.2 W/kg

SAR(1 g) = 8.09 W/kg; SAR(10 g) = 2.25 W/kg

Maximum value of SAR (measured) = 14.1 W/kg



0 dB = 14.1 W/kg

System Performance Check Data (5300MHz)

Date: 2024.07.18

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5300 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5300 MHz; σ = 4.575 S/m; ε_r = 36.706; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.5, 5.5, 5.5); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5300/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.58 W/kg

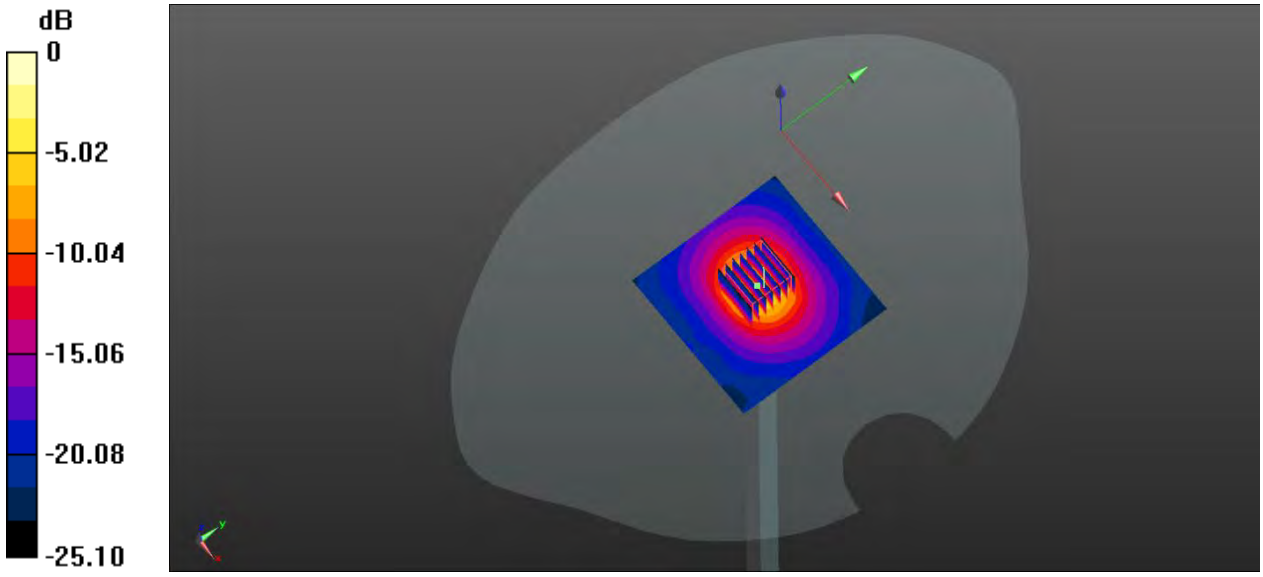
CW 5300/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 31.3 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 30.7 W/kg

SAR(1 g) = 8.14 W/kg; SAR(10 g) = 2.33 W/kg

Maximum value of SAR (measured) = 14.5 W/kg



0 dB = 14.5 W/kg

System Performance Check Data (5600MHz)

Date: 2024.07.19

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5600 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5600 MHz; σ = 5.089 S/m; ε_r = 35.641; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5, 5, 5); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5600 100mw /Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.84 W/kg

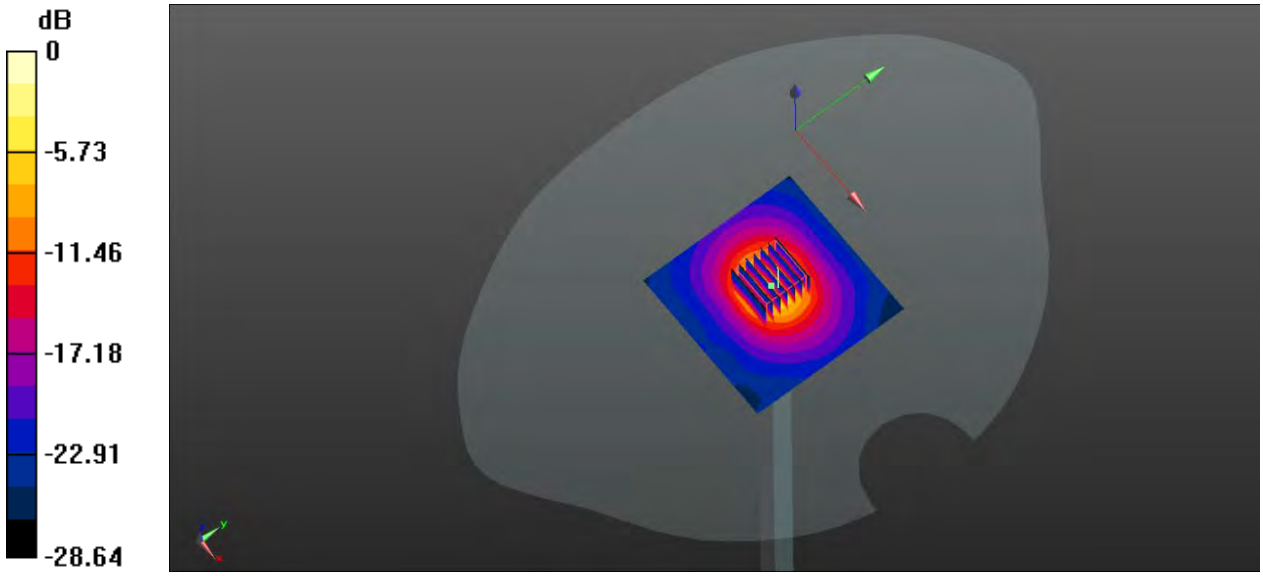
CW 5600 100mw /Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 30.85 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 35.8 W/kg

SAR(1 g) = 8.25 W/kg; SAR(10 g) = 2.46 W/kg

Maximum value of SAR (measured) = 13.9 W/kg



0 dB = 13.9 W/kg

System Performance Check Data (5800MHz)

Date: 2024.07.20

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5800 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5800 MHz; σ = 5.357 S/m; ε_r = 34.763; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.04, 5.04, 5.04); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5800 100mw/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.59 W/kg

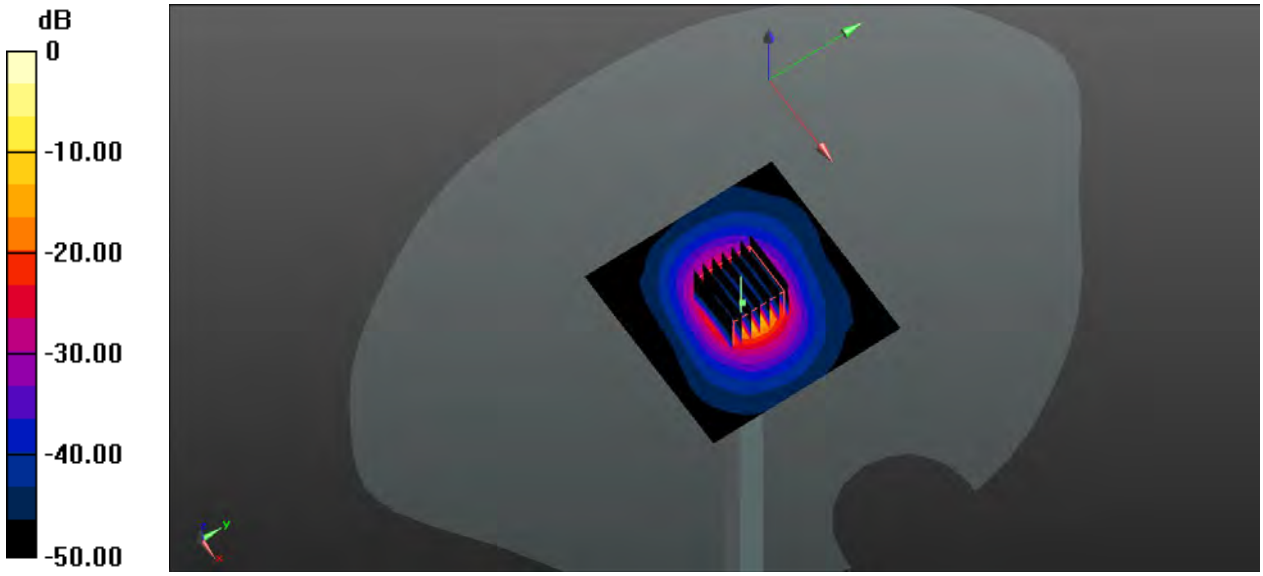
CW 5800 100mw/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 38.75 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 36.1 W/kg

SAR(1 g) = 8.33 W/kg; SAR(10 g) = 2.38 W/kg

Maximum value of SAR (measured) = 16.6 W/kg



0 dB = 16.6 W/kg

ANNEX C TEST DATA

Meas.1 Right Head with Cheek on Middle Channel in GPRS850 2Slots mode with Antenna 0

Date: 2024.07.04

Communication System Band: GSM850; Frequency: 836.6 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.89 S/m; ε_r = 41.568; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.99, 9.99, 9.99); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch190/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.236 W/kg

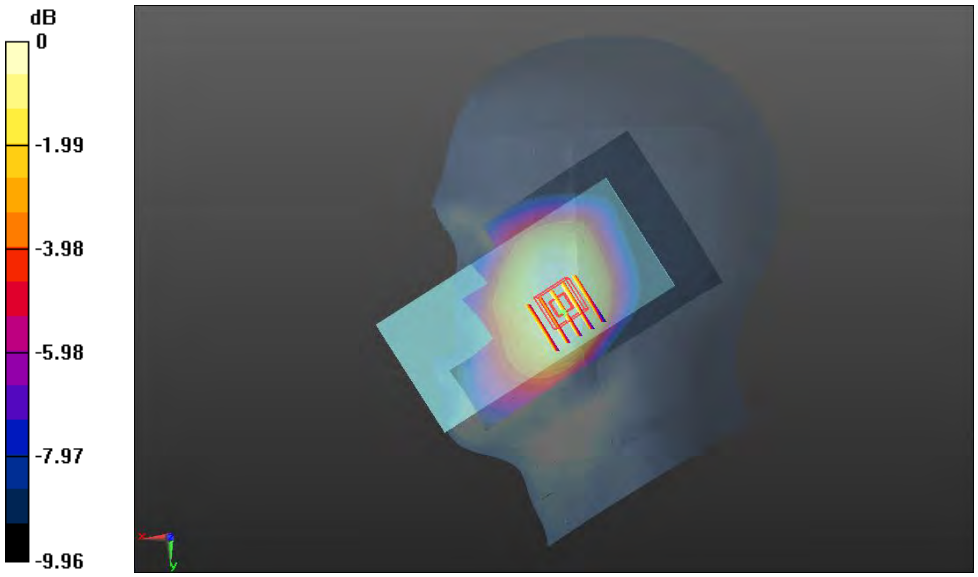
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.357 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.251 W/kg

SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.171 W/kg

Maximum value of SAR (measured) = 0.218 W/kg



0 dB = 0.218 W/kg

Meas.2 Body Plane with Back Side 15mm on Middle Channel in GPRS850 2Slots mode with Antenna 0

Date: 2024.07.04

Communication System Band: GSM850; Frequency: 836.6 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.89 S/m; ε_r = 41.568; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.99, 9.99, 9.99); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch190/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.313 W/kg

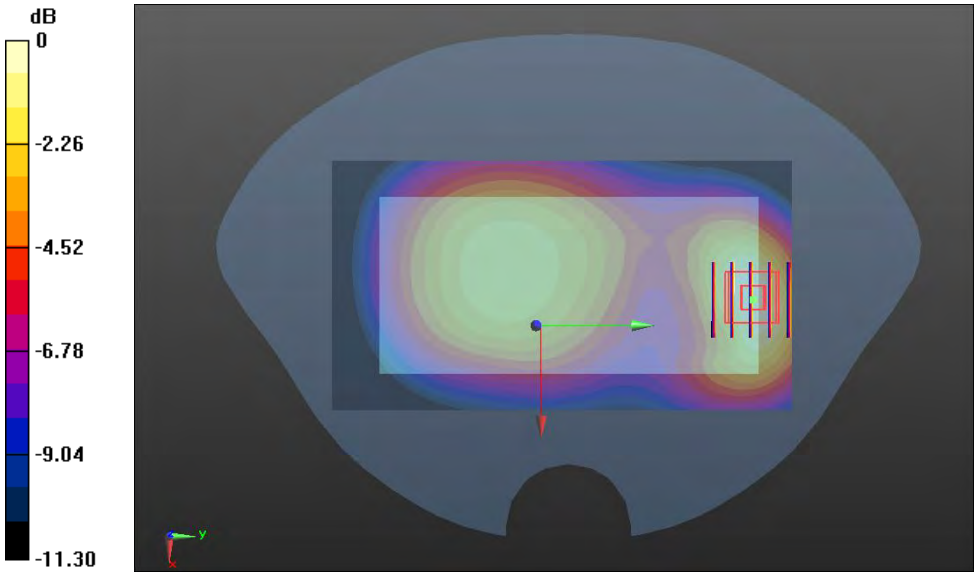
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.43 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.430 W/kg

SAR(1 g) = 0.287 W/kg; SAR(10 g) = 0.185 W/kg

Maximum value of SAR (measured) = 0.313 W/kg



0 dB = 0.313 W/kg

Meas.3 Body Plane with Back Side 10mm on Middle Channel in GPRS850 2Slots mode with Antenna 0

Date: 2024.07.04

Communication System Band: GSM850; Frequency: 836.6 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.89 S/m; ε_r = 41.568; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.99, 9.99, 9.99); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch190/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.650 W/kg

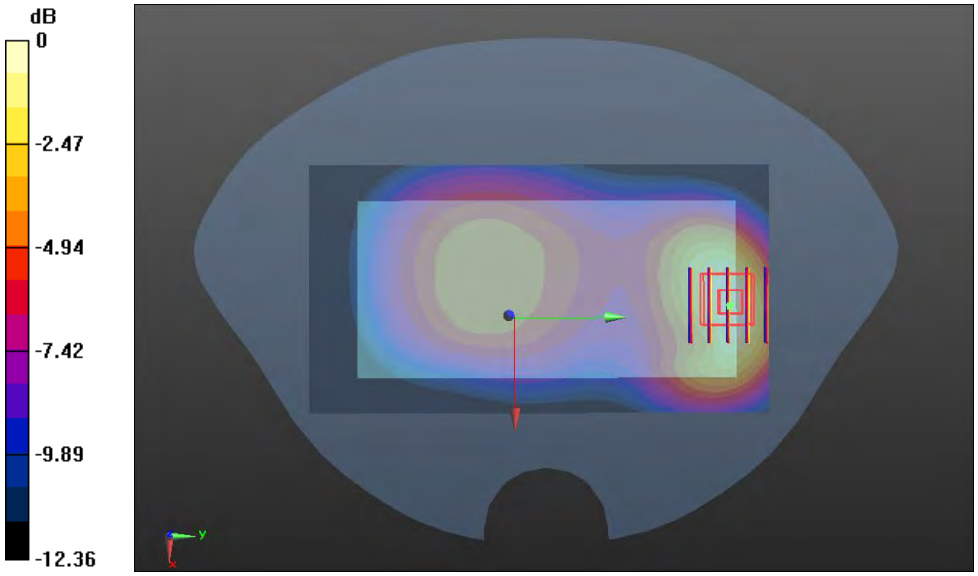
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.47 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.932 W/kg

SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.359 W/kg

Maximum value of SAR (measured) = 0.643 W/kg



0 dB = 0.643 W/kg

Meas.4 Right Head with Cheek on High Channel in GPRS1900 3Slots mode with Antenna 0

Date: 2024.07.08

Communication System Band: GSM1900; Frequency: 1909.8 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 1909.8 MHz; σ = 1.412 S/m; ε_r = 39.612; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.33, 8.33, 8.33); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.105 W/kg

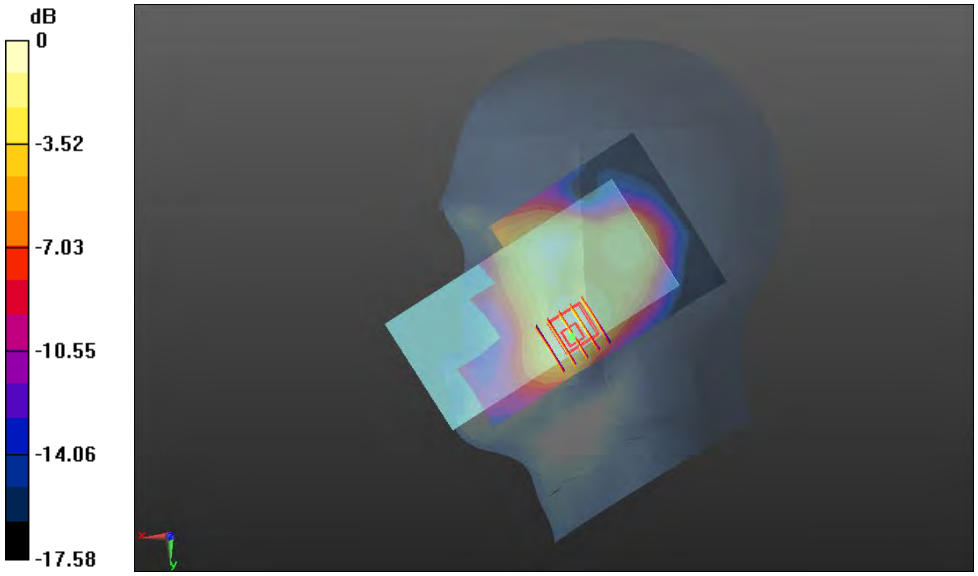
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.636 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.136 W/kg

SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.064 W/kg

Maximum value of SAR (measured) = 0.108 W/kg



0 dB = 0.108 W/kg

Meas.5 Body Plane with Back Side 15mm on High Channel in GPRS1900 3Slots mode with Antenna 0

Date: 2024.07.08

Communication System Band: GSM1900; Frequency: 1909.8 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 1909.8 MHz; σ = 1.412 S/m; ε_r = 39.612; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.33, 8.33, 8.33); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.198 W/kg

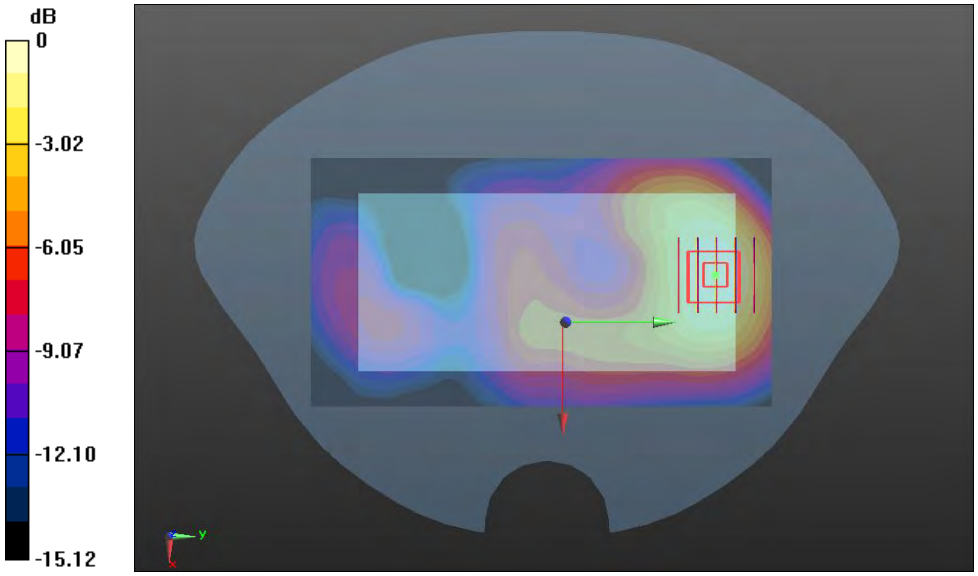
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.975 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.275 W/kg

SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.119 W/kg

Maximum value of SAR (measured) = 0.204 W/kg



0 dB = 0.204 W/kg

Meas.6 Body Plane with Back Side 10mm on High Channel in GPRS1900 3Slots mode with Antenna 0

Date: 2024.07.08

Communication System Band: GSM1900; Frequency: 1909.8 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 1909.8 MHz; σ = 1.412 S/m; ε_r = 39.612; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.33, 8.33, 8.33); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.502 W/kg

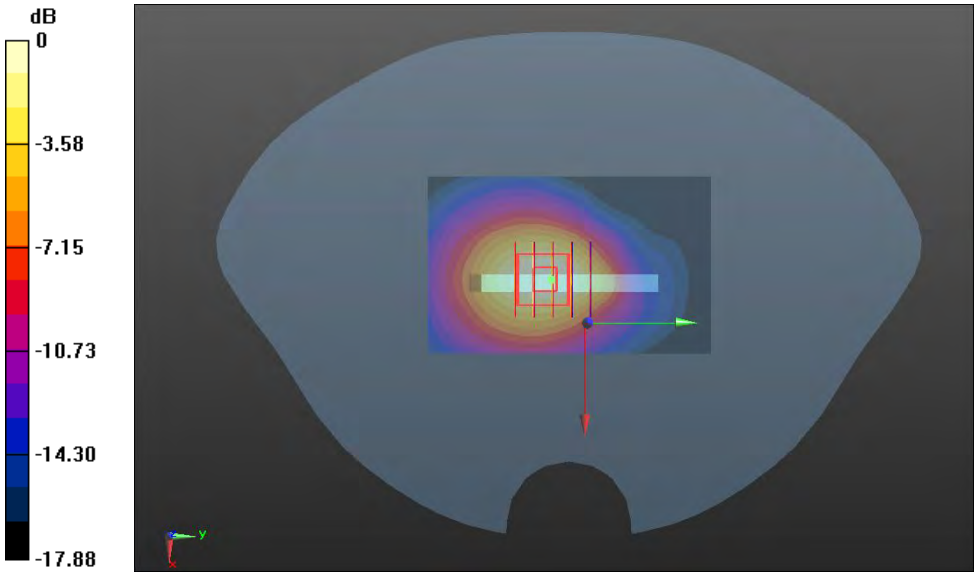
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.37 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.667 W/kg

SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.243 W/kg

Maximum value of SAR (measured) = 0.457 W/kg



0 dB = 0.457 W/kg

Meas.7 Right Head with Cheek on High Channel in WCDMA Band2 mode with Antenna 0

Date: 2024.07.08

Communication System Band: BAND 2; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.406 S/m; ε_r = 39.7; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.33, 8.33, 8.33); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.170 W/kg

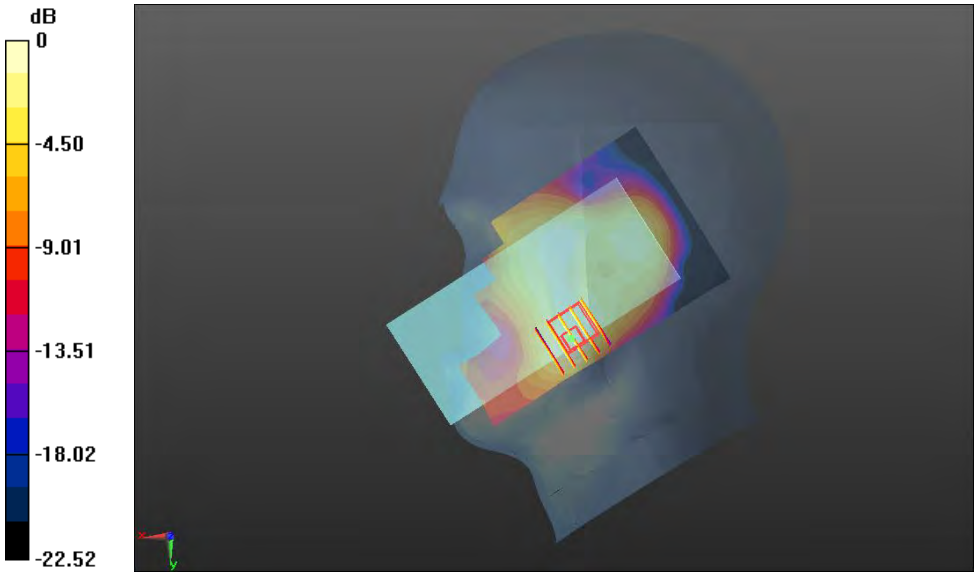
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.952 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.197 W/kg

SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.094 W/kg

Maximum value of SAR (measured) = 0.156 W/kg



0 dB = 0.156 W/kg

Meas.8 Body Plane with Back Side 15mm on High Channel in WCDMA Band2 mode with Antenna 0

Date: 2024.07.08

Communication System Band: BAND 2; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.406 S/m; ε_r = 39.7; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.33, 8.33, 8.33); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538 2/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.388 W/kg

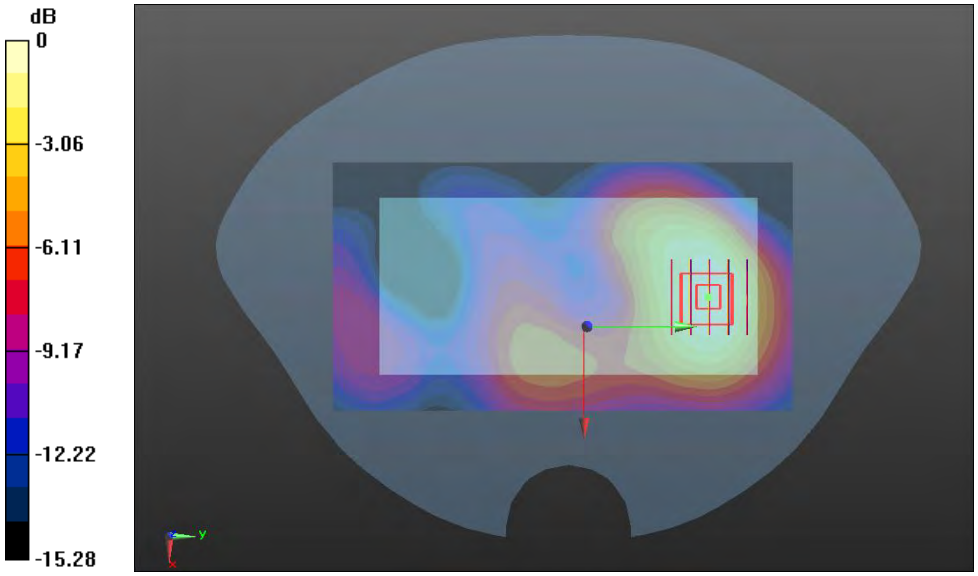
Ch9538 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.152 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.466 W/kg

SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.188 W/kg

Maximum value of SAR (measured) = 0.389 W/kg



0 dB = 0.389 W/kg

Meas.9 Body Plane with Bottom Edge 10mm on High Channel in WCDMA Band2 mode with Antenna 0

Date: 2024.07.08

Communication System Band: BAND 2; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.406 S/m; ε_r = 39.7; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.33, 8.33, 8.33); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.793 W/kg

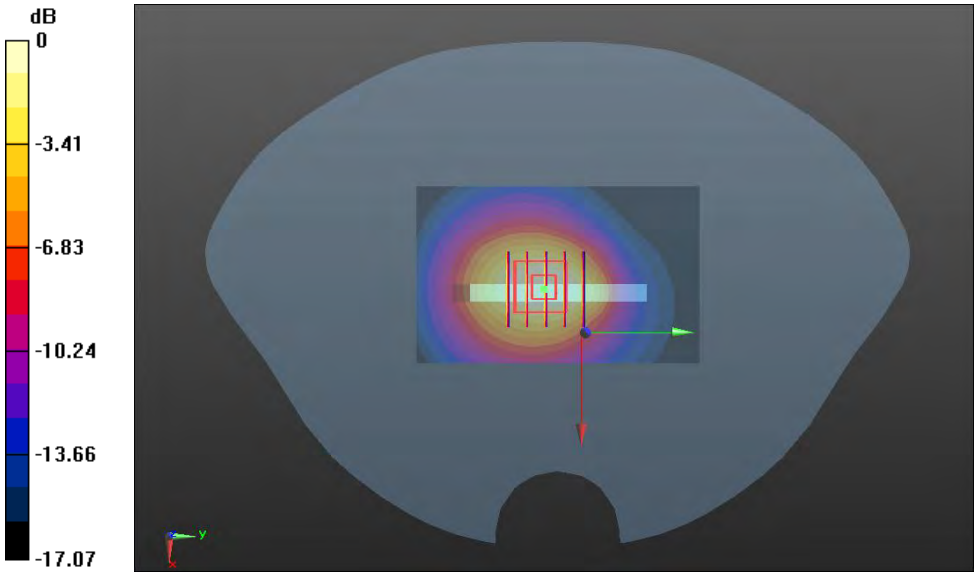
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.61 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.637 W/kg; SAR(10 g) = 0.365 W/kg

Maximum value of SAR (measured) = 0.702 W/kg



0 dB = 0.702 W/kg

Meas.10 Right Head with Cheek on High Channel in WCDMA Band4 mode with Antenna 0

Date: 2024.07.06

Communication System Band: BAND 4; Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.406 S/m; ε_r = 39.84; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.8℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.158 W/kg

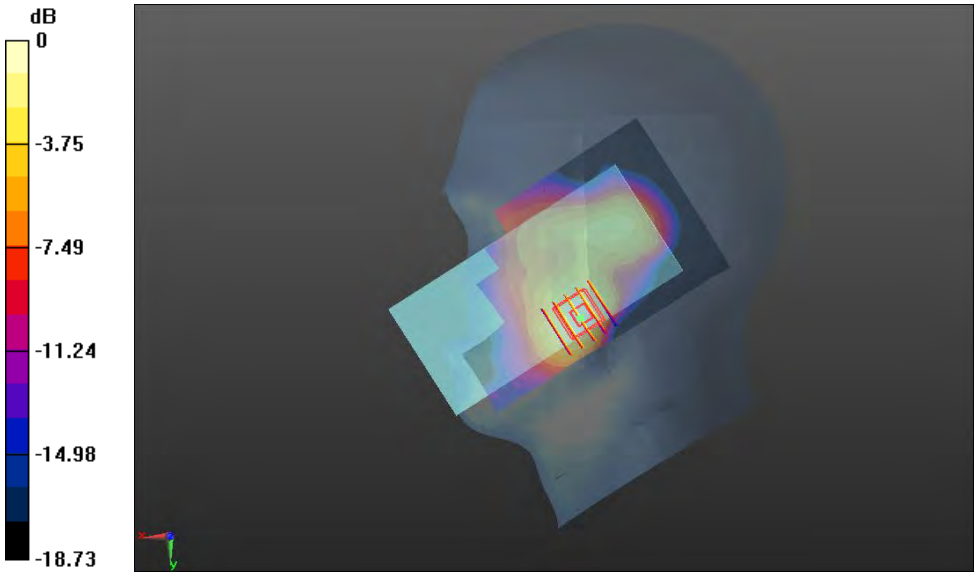
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.933 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.184 W/kg

SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.082 W/kg

Maximum value of SAR (measured) = 0.142 W/kg



0 dB = 0.142 W/kg

Meas.11 Body Plane with Back Side 15mm on High Channel in WCDMA Band4 mode with Antenna 0

Date: 2024.07.06

Communication System Band: BAND 4; Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.406 S/m; ε_r = 39.84; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.166 W/kg

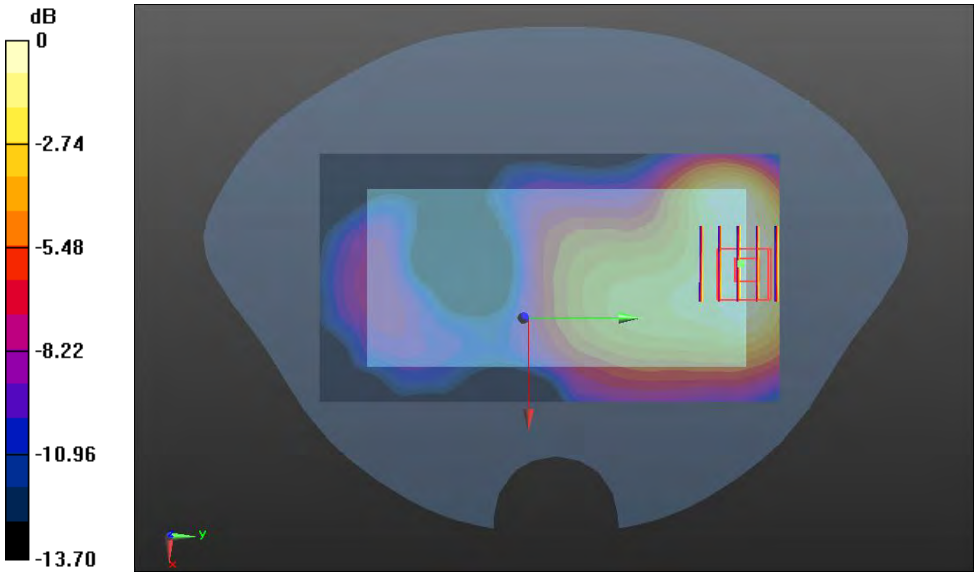
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.473 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.089 W/kg

Maximum value of SAR (measured) = 0.163 W/kg



0 dB = 0.163 W/kg

Meas.12 Body Plane with Bottom Edge 10mm on High Channel in WCDMA Band4 mode with Antenna 0

Date: 2024.07.06

Communication System Band: BAND 4; Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.406 S/m; ε_r = 39.84; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.700 W/kg

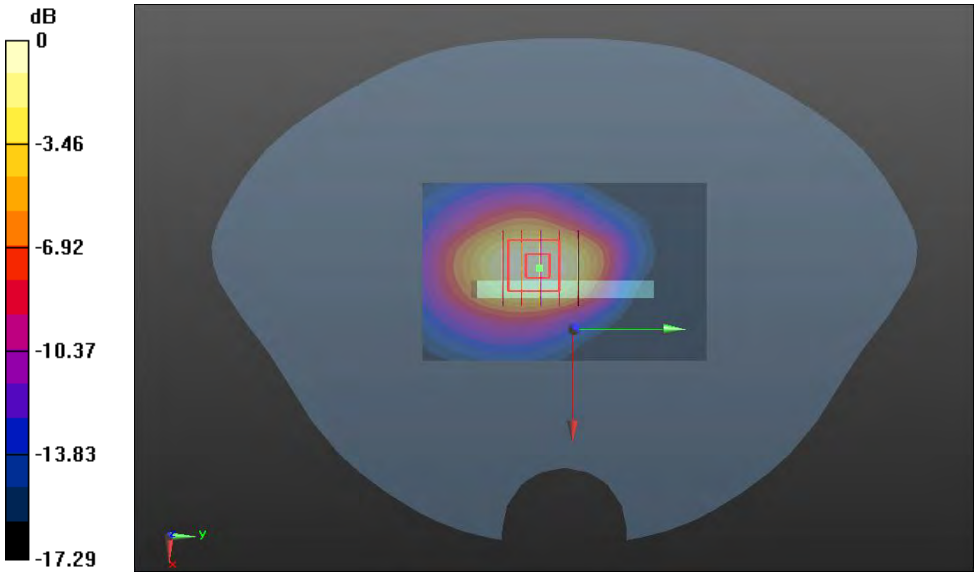
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.87 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.935 W/kg

SAR(1 g) = 0.598 W/kg; SAR(10 g) = 0.347 W/kg

Maximum value of SAR (measured) = 0.664 W/kg



0 dB = 0.664 W/kg

Meas.13 Right Head with Cheek on High Channel in WCDMA Band5 mode with Antenna 0

Date: 2024.07.04

Communication System Band: BAND 5; Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.901 S/m; ε_r = 41.29; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.99, 9.99, 9.99); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.185 W/kg

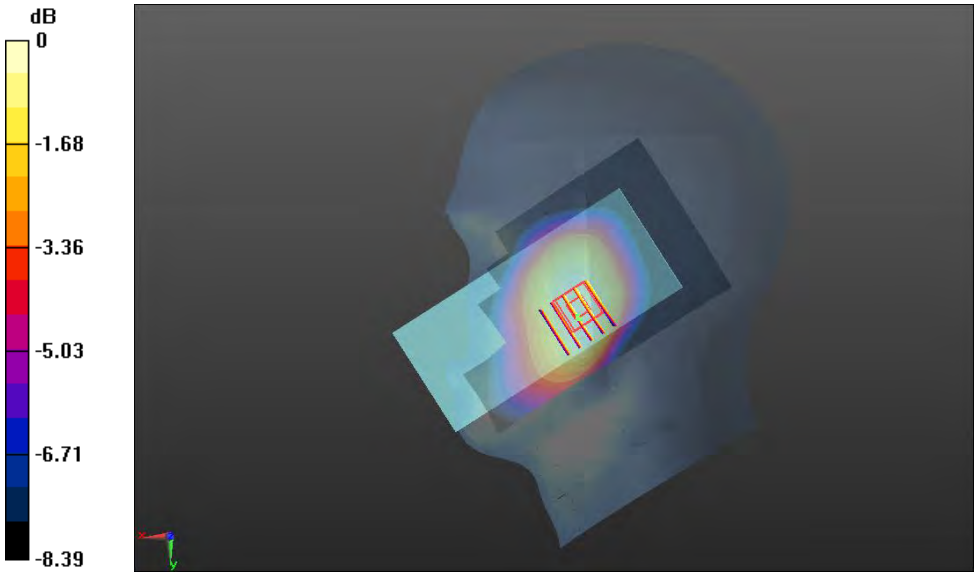
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.053 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.200 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.139 W/kg

Maximum value of SAR (measured) = 0.178 W/kg



0 dB = 0.178 W/kg

Meas.14 Body Plane with Back Side 15mm on High Channel in WCDMA Band5 mode with Antenna 0

Date: 2024.07.04

Communication System Band: BAND 5; Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.901 S/m; ε_r = 41.29; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.99, 9.99, 9.99); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.259 W/kg

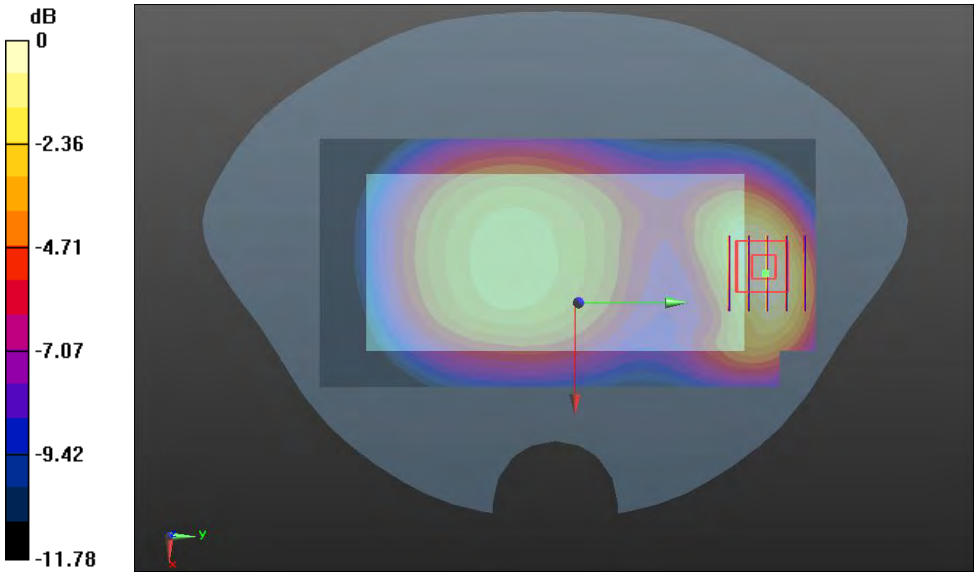
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.09 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.305 W/kg

SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.128 W/kg

Maximum value of SAR (measured) = 0.258 W/kg



0 dB = 0.258 W/kg

Meas.15 Body Plane with Back Side 10mm on High Channel in WCDMA Band5 mode with Antenna 0

Date: 2024.07.04

Communication System Band: BAND 5; Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.901 S/m; ε_r = 41.29; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.99, 9.99, 9.99); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.500 W/kg

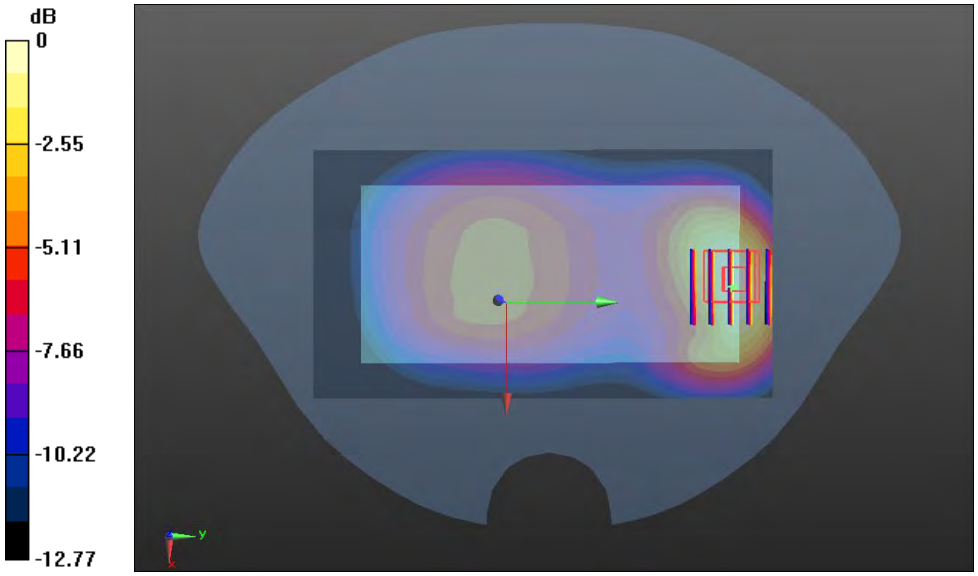
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.86 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.607 W/kg

SAR(1 g) = 0.376 W/kg; SAR(10 g) = 0.228 W/kg

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



0 dB = 0.493 W/kg

Meas.16 Right Head with Cheek on Middle Channel in LTE Band2 mode with Antenna 0

Date: 2024.07.09

Communication System Band: BAND 2; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.429 S/m; ε_r = 39.248; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.33, 8.33, 8.33); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.332 W/kg

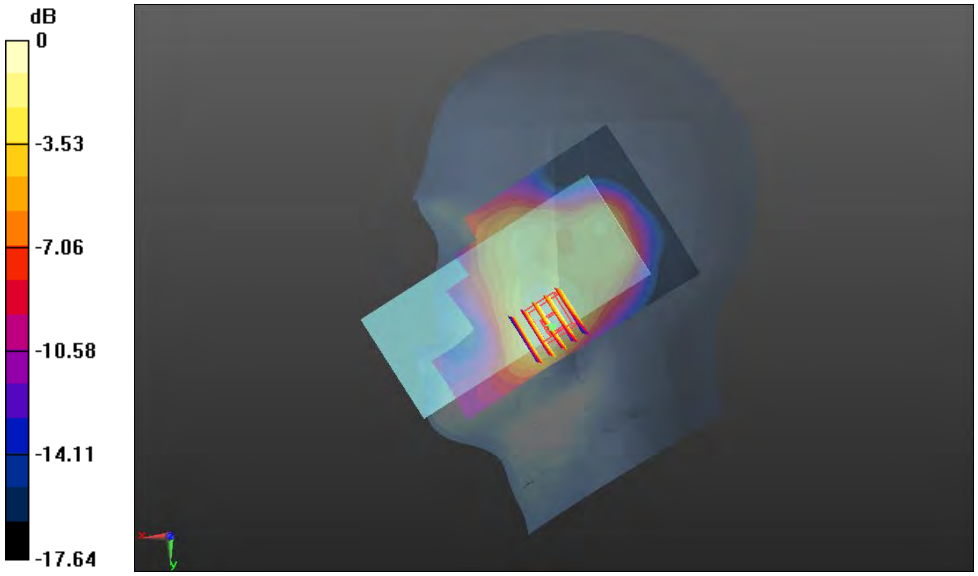
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.47 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.393 W/kg

SAR(1 g) = 0.287 W/kg; SAR(10 g) = 0.189 W/kg

Maximum value of SAR (measured) = 0.313 W/kg



0 dB = 0.313 W/kg

Meas.17 Body Plane with Back Side 15mm on Middle Channel in LTE Band2 mode with Antenna 0

Date: 2024.07.09

Communication System Band: BAND 2; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.429 S/m; ε_r = 39.248; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.33, 8.33, 8.33); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.464 W/kg

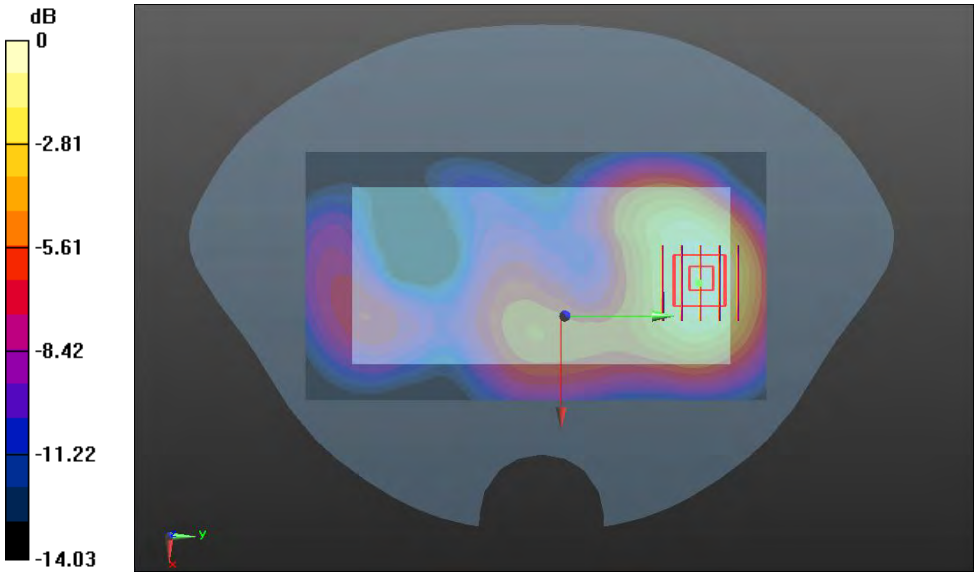
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.173 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.572 W/kg

SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.237 W/kg

Maximum value of SAR (measured) = 0.475 W/kg



0 dB = 0.475 W/kg

Meas.18 Body Plane with Bottom Side 10mm on 18900 Channel in LTE Band2 mode with Antenna 0

Date: 2024.07.09

Communication System Band: BAND 2; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.429 S/m; ε_r = 39.248; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.33, 8.33, 8.33); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.976 W/kg

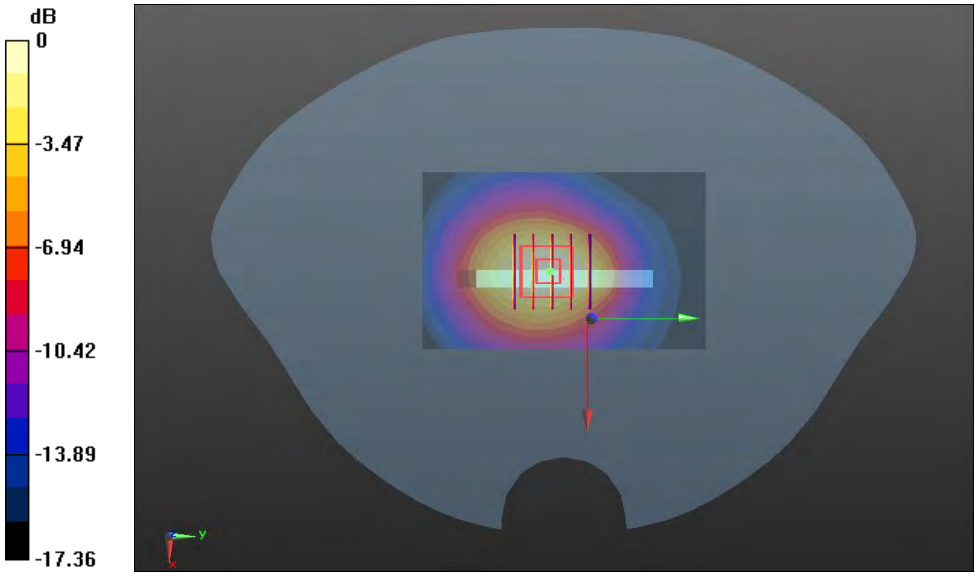
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.17 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.773 W/kg; SAR(10 g) = 0.444 W/kg

Maximum value of SAR (measured) = 0.857 W/kg



0 dB = 0.857 W/kg

Meas.19 Body Plane with Back Side 0mm on Middle Channel in LTE Band2 mode with Antenna 0

Date: 2024.07.09

Communication System Band: BAND 2; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.429 S/m; ε_r = 39.248; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.33, 8.33, 8.33); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.36 W/kg

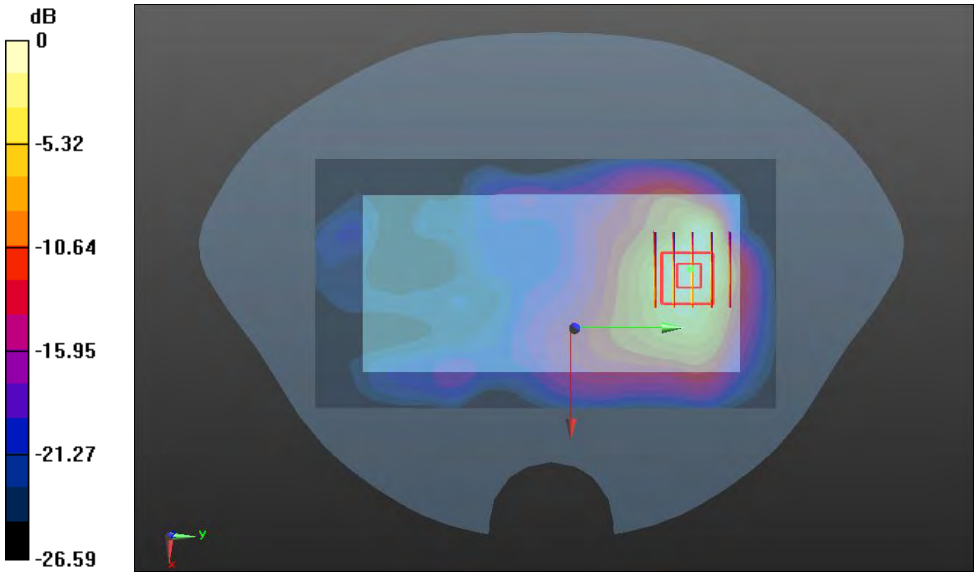
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.317 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 6.96 W/kg

SAR(1 g) = 4.01 W/kg; SAR(10 g) = 1.99 W/kg

Maximum value of SAR (measured) = 5.49 W/kg



0 dB = 5.49 W/kg

Meas.20 Right Head with Cheek on Middle Channel in LTE Band4 mode with Antenna 1

Date: 2024.07.06

Communication System Band: BAND 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.376 S/m; ε_r = 40.33; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.8℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.172 W/kg

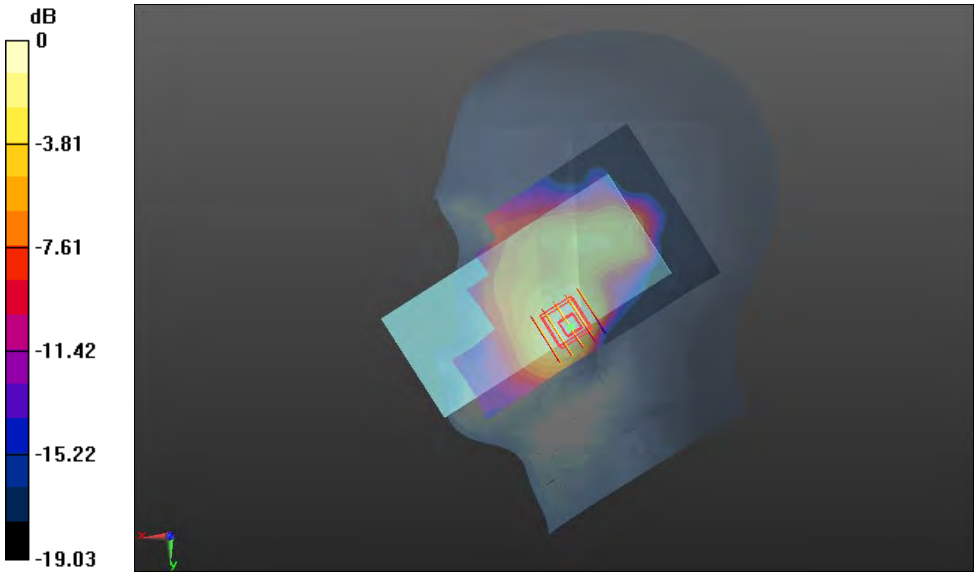
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.129 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.186 W/kg

SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.086 W/kg

Maximum value of SAR (measured) = 0.145 W/kg



0 dB = 0.145 W/kg

Meas.21 Body Plane with Back Side 15mm on Middle Channel in LTE Band4 mode with Antenna 0

Date: 2024.07.06

Communication System Band: BAND 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.376 S/m; ε_r = 40.33; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.169 W/kg

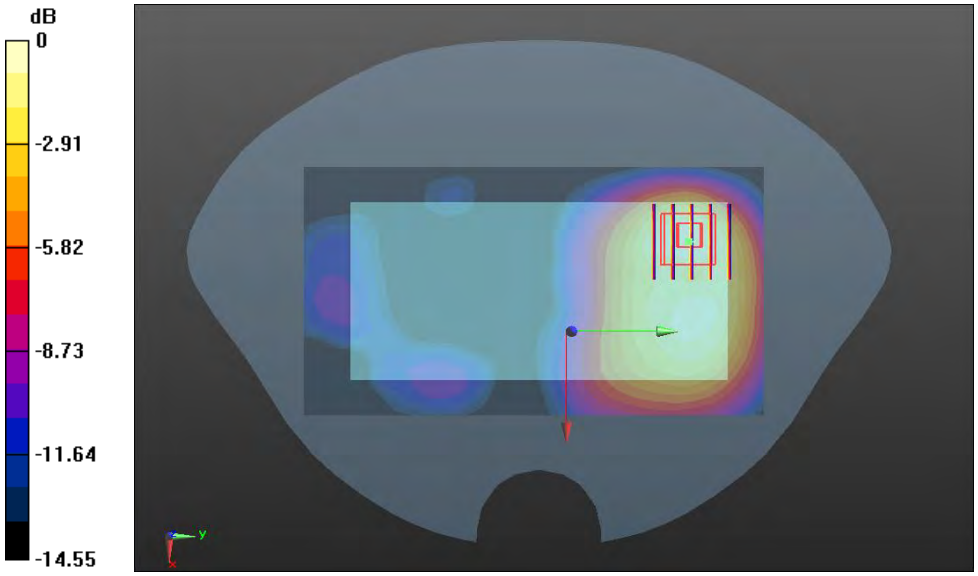
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.141 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.251 W/kg

SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.083 W/kg

Maximum value of SAR (measured) = 0.158 W/kg



0 dB = 0.158 W/kg

Meas.22 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band4 mode with Antenna 0

Date: 2024.07.06

Communication System Band: BAND 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.376 S/m; ε_r = 40.33; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.650 W/kg

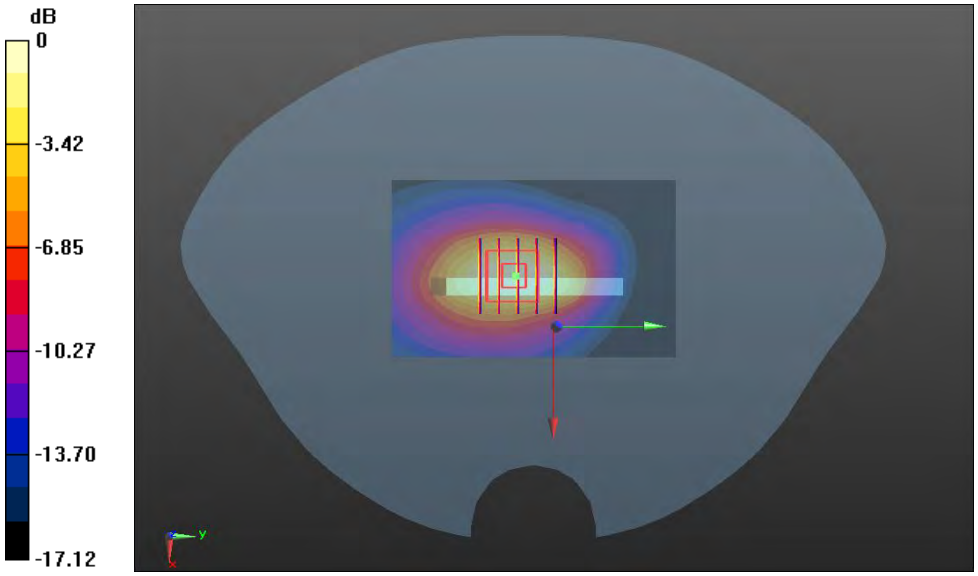
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.68 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.856 W/kg

SAR(1 g) = 0.526 W/kg; SAR(10 g) = 0.297 W/kg

Maximum value of SAR (measured) = 0.588 W/kg



0 dB = 0.588 W/kg

Meas.23 Right Head with Cheek on Middle Channel in LTE Band5 mode with Antenna 0

Date: 2024.07.05

Communication System Band: BAND 5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.913 S/m; ε_r = 42.008; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.99, 9.99, 9.99); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.226 W/kg

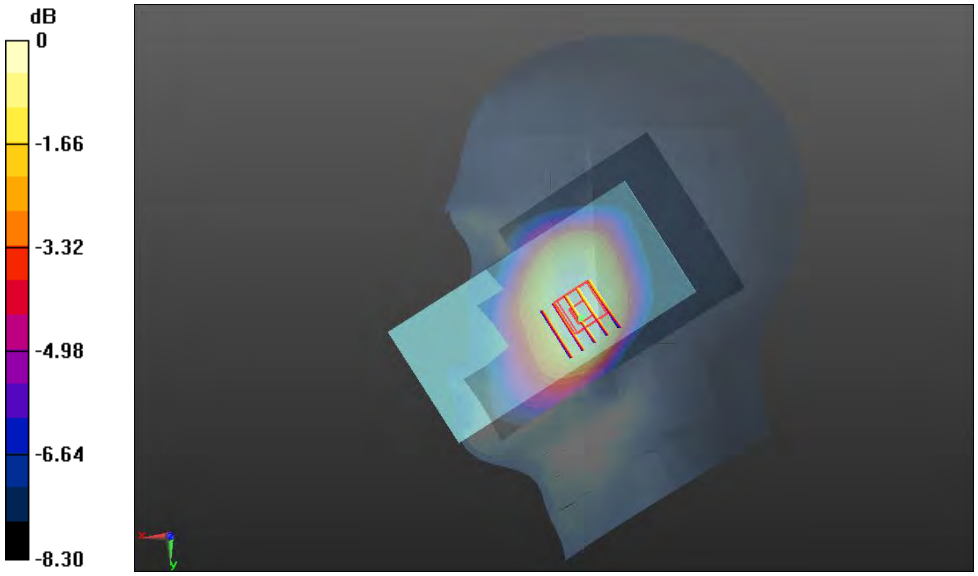
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.335 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.167 W/kg

Maximum value of SAR (measured) = 0.215 W/kg



0 dB = 0.215 W/kg

Meas.24 Body Plane with Back Side 15mm on Middle Channel in LTE Band5 mode with Antenna 0

Date: 2024.07.05

Communication System Band: BAND 5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.913 S/m; ε_r = 42.008; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.99, 9.99, 9.99); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.577 W/kg

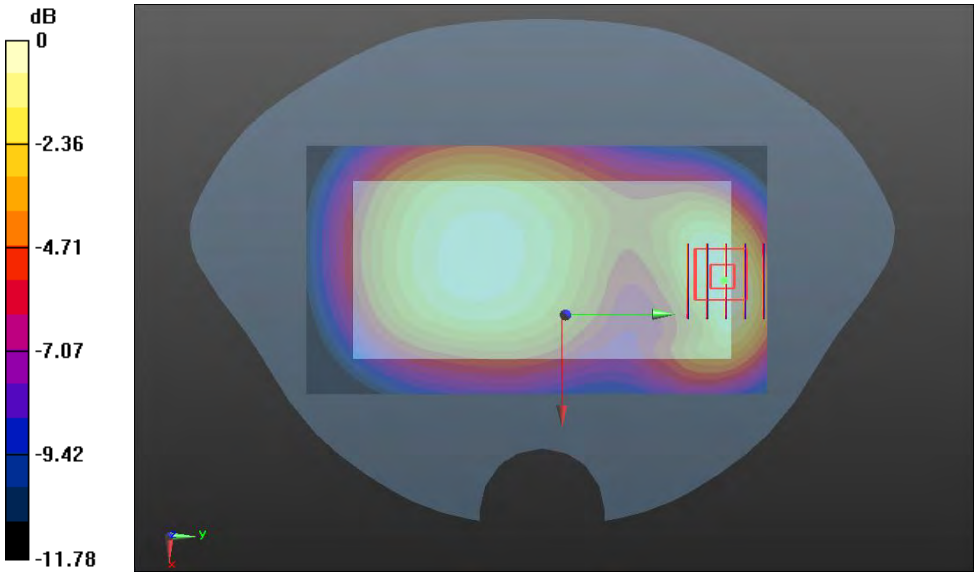
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.85 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.457 W/kg

SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.127 W/kg

Maximum value of SAR (measured) = 0.356 W/kg



0 dB = 0.356 W/kg

Meas.25 Body Plane with Back Side 10mm on Middle Channel in LTE Band5 mode with Antenna 0

Date: 2024.07.05

Communication System Band: BAND 5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.913 S/m; ε_r = 42.008; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.99, 9.99, 9.99); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.10 W/kg

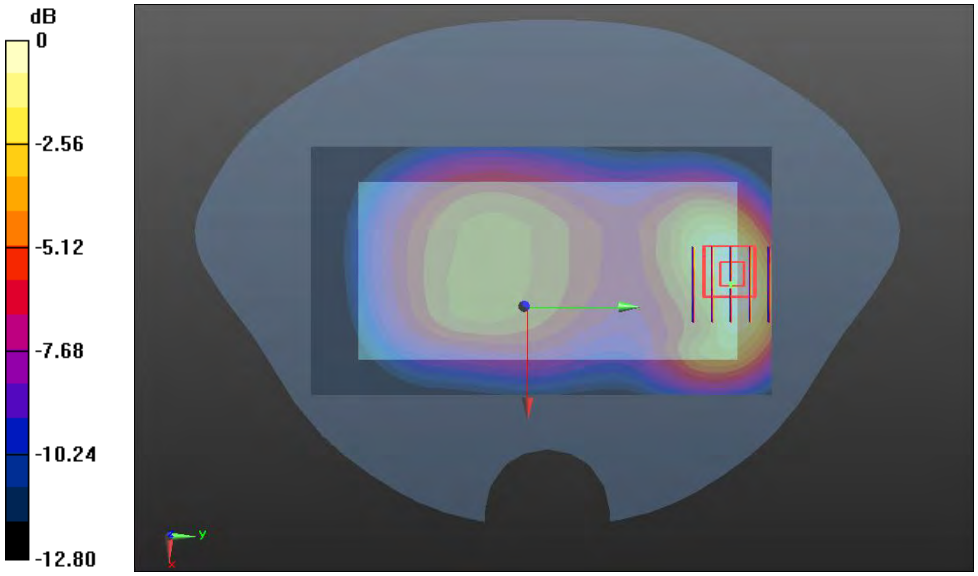
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.37 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.634 W/kg

SAR(1 g) = 0.443 W/kg; SAR(10 g) = 0.277 W/kg

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



0 dB = 0.608 W/kg

Meas.26 Right Head with Cheek on High Channel in LTE Band7 mode with Antenna 0

Date: 2024.07.10

Communication System Band: BAND 7; Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2560 MHz; σ = 1.916 S/m; ε_r = 38.97; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.59, 7.59, 7.59); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21350/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0385 W/kg

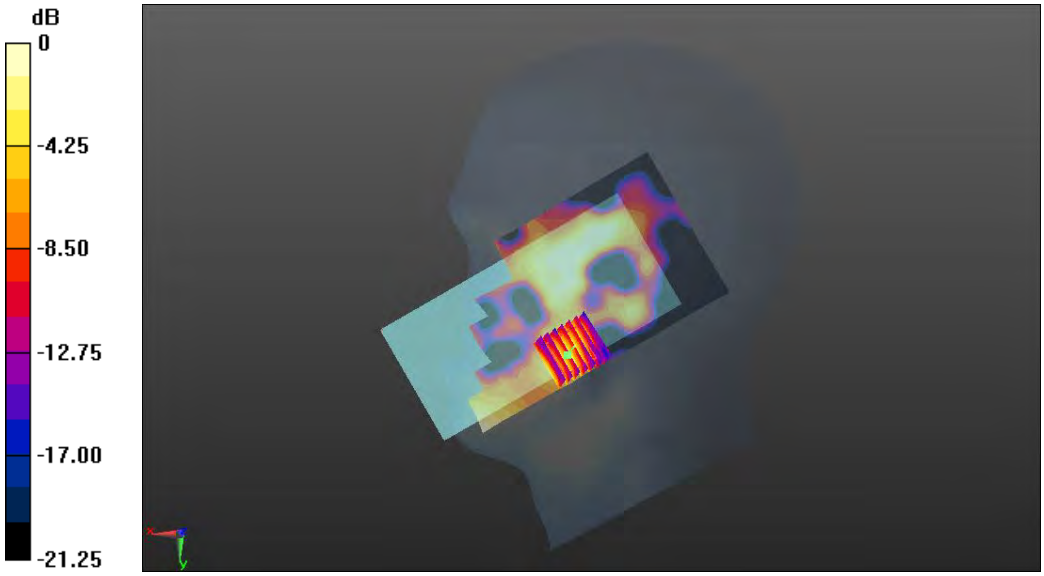
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.679 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.0490 W/kg

SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.015 W/kg

Maximum value of SAR (measured) = 0.0330 W/kg



0 dB = 0.0330 W/kg

Meas.27 Body Plane with Back Side 15mm on High Channel in LTE Band7 mode with Antenna 0

Date: 2024.07.10

Communication System Band: BAND 7; Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2560 MHz; σ = 1.916 S/m; ε_r = 38.97; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.59, 7.59, 7.59); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21350/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.208 W/kg

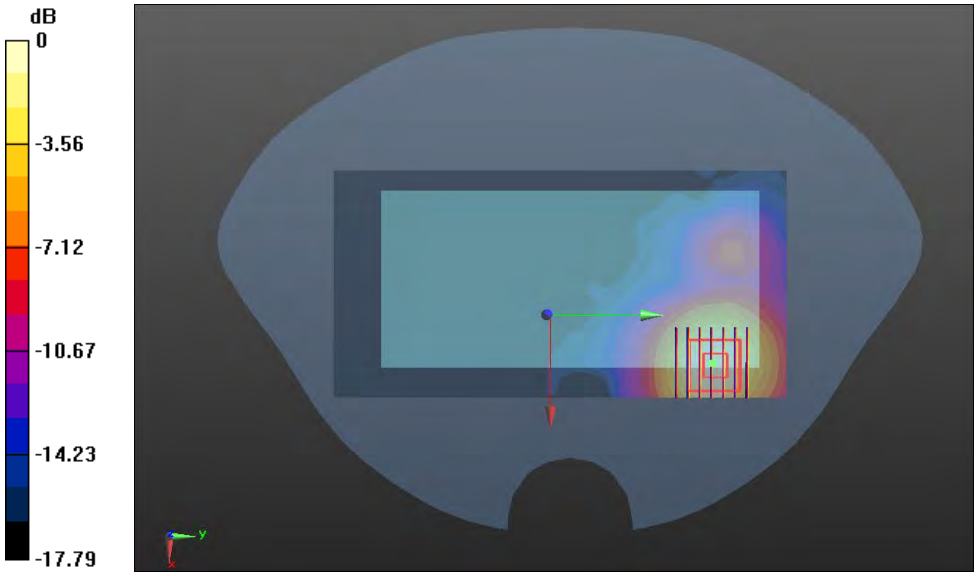
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.060 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.324 W/kg

SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.096 W/kg

Maximum value of SAR (measured) = 0.201 W/kg



0 dB = 0.201 W/kg

Meas.28 Body Plane with Bottom Edge 10mm on High Channel in LTE Band7 mode with Antenna 0

Date: 2024.07.10

Communication System Band: BAND 7; Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2560 MHz; σ = 1.916 S/m; ε_r = 38.97; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.59, 7.59, 7.59); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21350/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.385 W/kg

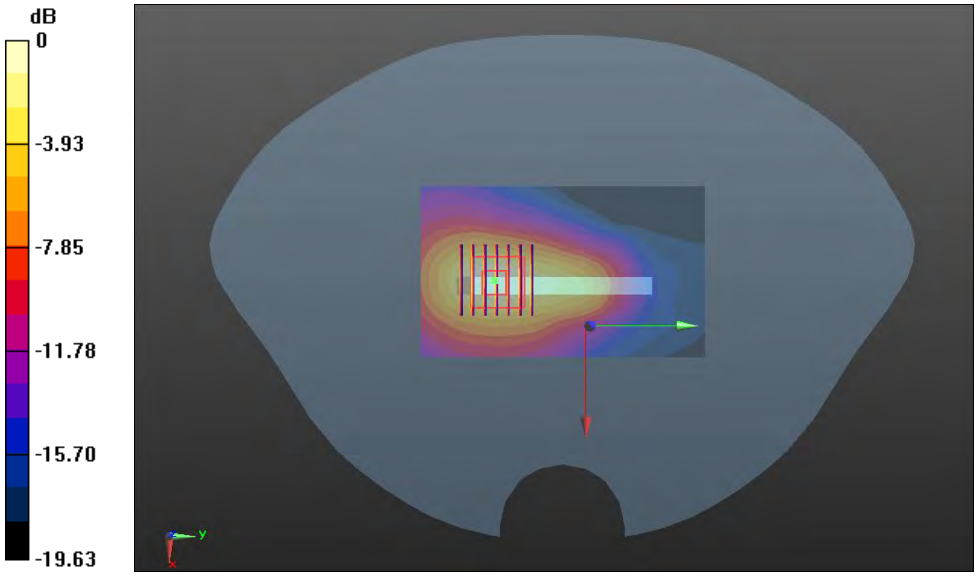
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.38 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.616 W/kg

SAR(1 g) = 0.321 W/kg; SAR(10 g) = 0.159 W/kg

Maximum value of SAR (measured) = 0.369 W/kg



0 dB = 0.369 W/kg

Meas.29 Right Head with Cheek on Middle Channel in LTE Band12 mode with Antenna 0

Date: 2024.07.02

Communication System Band: BAND 12; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.9 S/m; ε_r = 41.54; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.29, 10.29, 10.29); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.150 W/kg

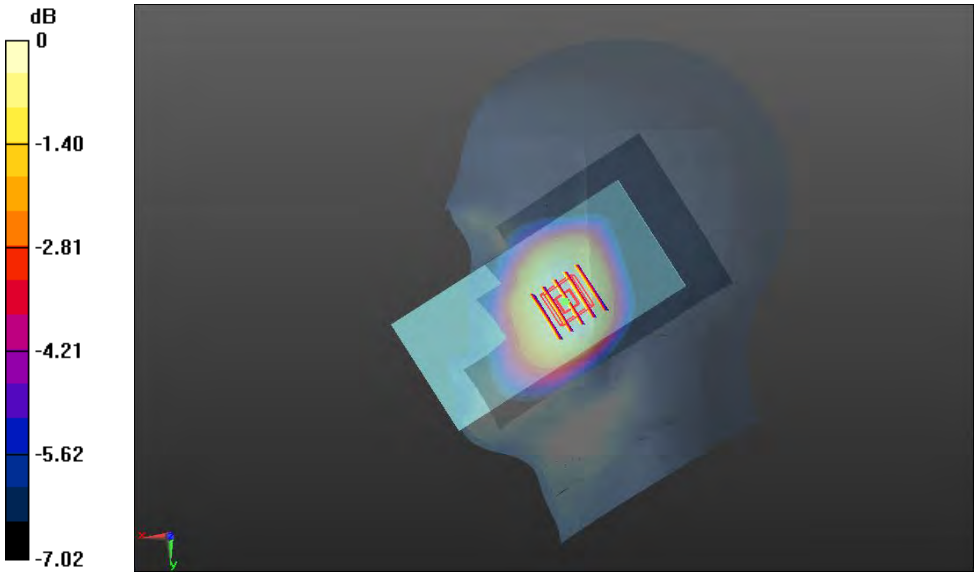
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.802 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.158 W/kg

SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.142 W/kg



0 dB = 0.142 W/kg

Meas.30 Body Plane with Back Side 15mm on Middle Channel in LTE Band12 mode with Antenna 0

Date: 2024.07.02

Communication System Band: BAND 12; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.9 S/m; ε_r = 41.54; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.29, 10.29, 10.29); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.263 W/kg

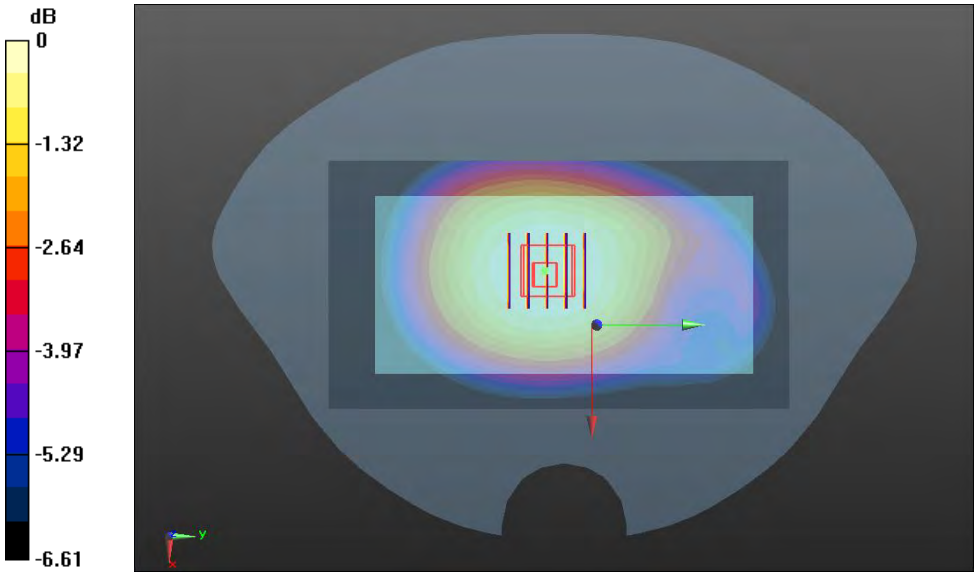
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.39 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.269 W/kg

SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.177 W/kg

Maximum value of SAR (measured) = 0.253 W/kg



0 dB = 0.253 W/kg

Meas.31 Body Plane with Back Side 10mm on Middle Channel in LTE Band12 mode with Antenna 0

Date: 2024.07.02

Communication System Band: BAND 12; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.9 S/m; ε_r = 41.54; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.29, 10.29, 10.29); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.274 W/kg

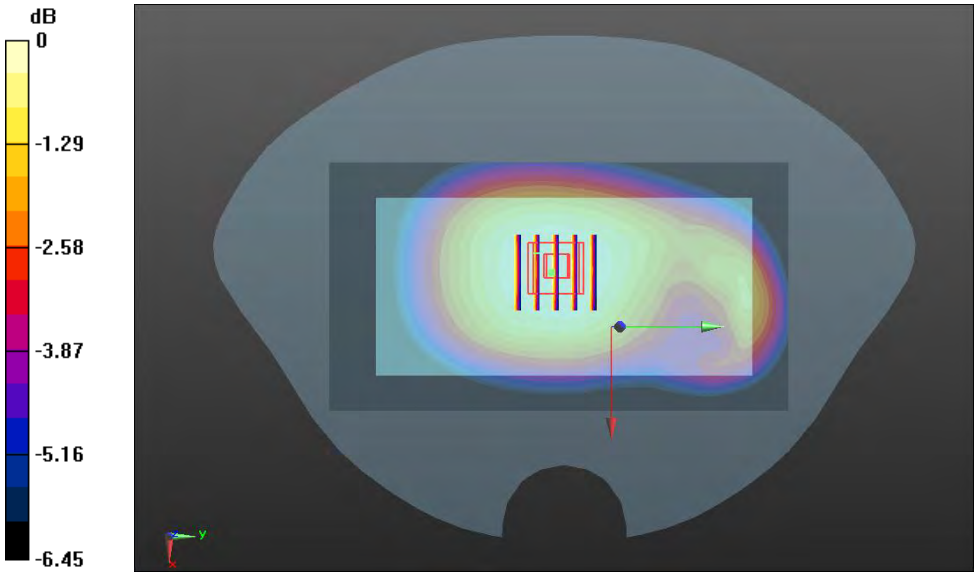
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.48 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.279 W/kg

SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.192 W/kg

Maximum value of SAR (measured) = 0.264 W/kg



0 dB = 0.264 W/kg

Meas.32 Right Head with Cheek on Middle Channel in LTE Band17 mode with Antenna 0

Date: 2024.07.02

Communication System Band: BAND 17; Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 710 MHz; σ = 0.902 S/m; ε_r = 41.379; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.29, 10.29, 10.29); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23790/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.139 W/kg

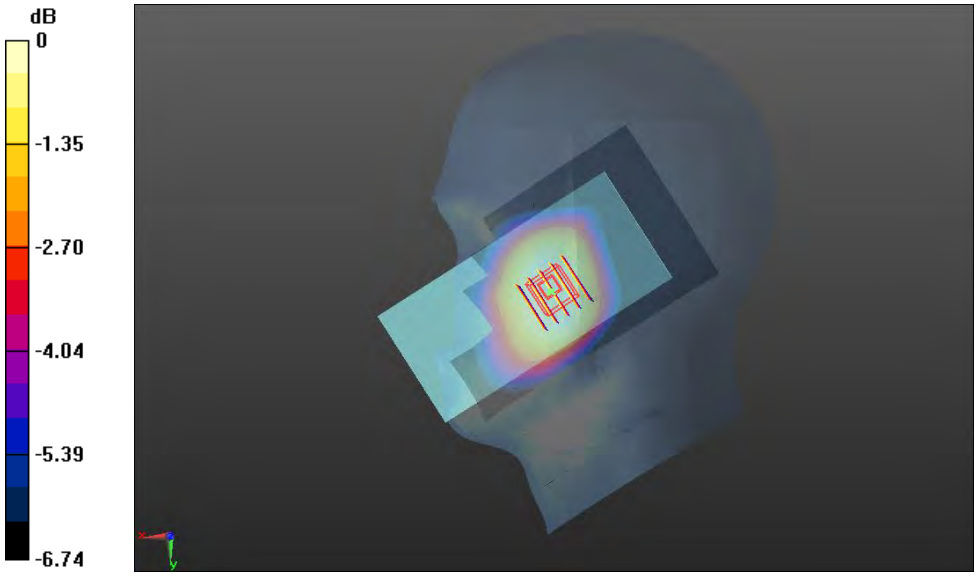
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.105 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.145 W/kg

SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.106 W/kg

Maximum value of SAR (measured) = 0.130 W/kg



0 dB = 0.130 W/kg

Meas.33 Body Plane with Back Side 15mm on Middle Channel in LTE Band17 mode with Antenna 0

Date: 2024.07.02

Communication System Band: BAND 17; Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 710 MHz; σ = 0.902 S/m; ε_r = 41.379; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.29, 10.29, 10.29); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23790/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.251 W/kg

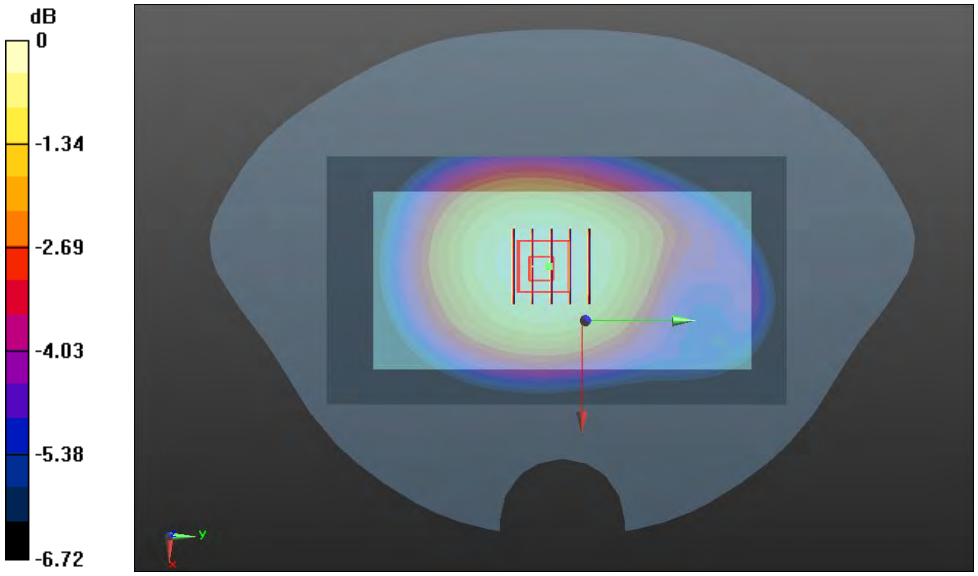
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.78 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.268 W/kg

SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.179 W/kg

Maximum value of SAR (measured) = 0.252 W/kg



0 dB = 0.252 W/kg

Meas.34 Body Plane with Back Side 10mm on Middle Channel in LTE Band17 mode with Antenna 0

Date: 2024.07.02

Communication System Band: BAND 17; Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 710 MHz; σ = 0.902 S/m; ε_r = 41.379; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.29, 10.29, 10.29); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23790/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.279 W/kg

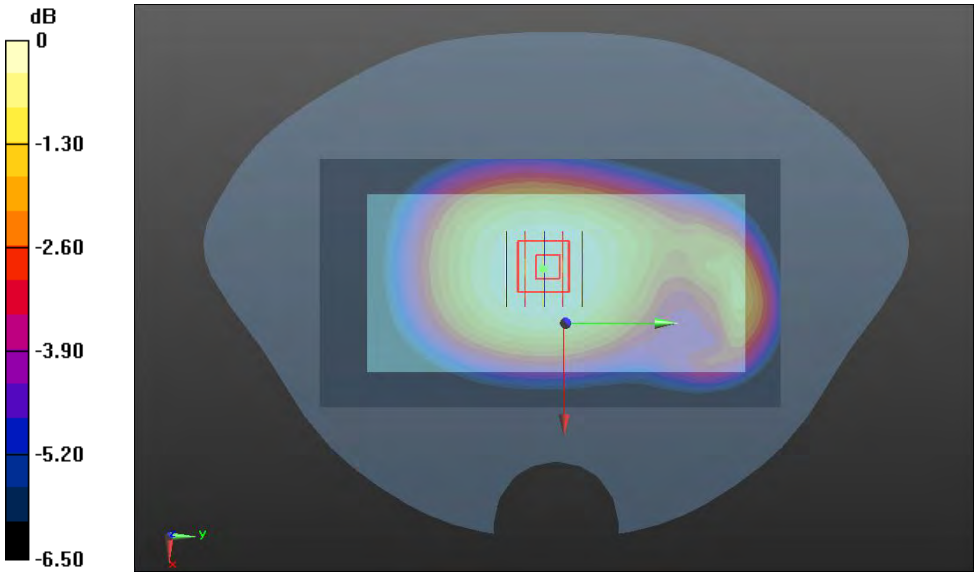
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.73 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.282 W/kg

SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.196 W/kg

Maximum value of SAR (measured) = 0.269 W/kg



0 dB = 0.269 W/kg

Meas.35 Right Head with Cheek on Middle Channel in LTE Band26 mode with Antenna 0

Date: 2024.07.05

Communication System Band: BAND 26; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.908 S/m; ε_r = 42.15; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.99, 9.99, 9.99); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.208 W/kg

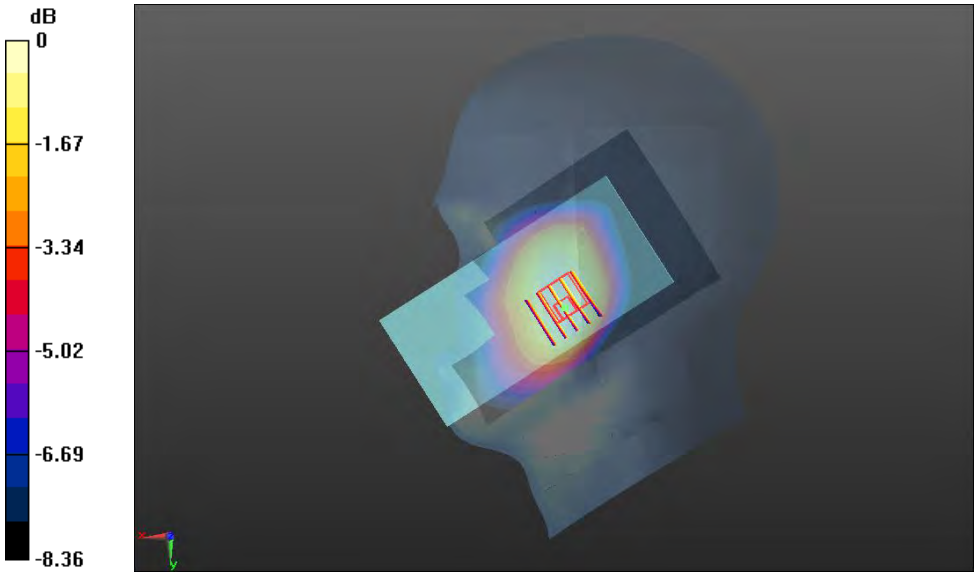
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.022 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.229 W/kg

SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.154 W/kg

Maximum value of SAR (measured) = 0.199 W/kg



0 dB = 0.199 W/kg

Meas.36 Body Plane with Back Side 15mm on Middle Channel in LTE Band26 mode with Antenna 0

Date: 2024.07.05

Communication System Band: BAND 26; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.908 S/m; ε_r = 42.15; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.99, 9.99, 9.99); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.287 W/kg

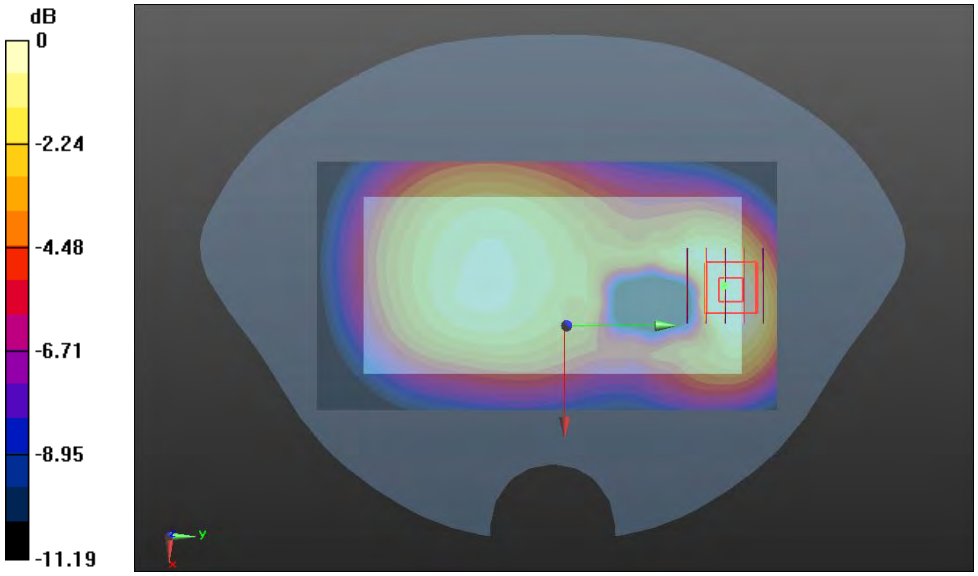
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.74 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.276 W/kg

SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.119 W/kg

Maximum value of SAR (measured) = 0.230 W/kg



0 dB = 0.230 W/kg

Meas.37 Body Plane with Back Side 10mm on Middle Channel in LTE Band26 mode with Antenna 0

Date: 2024.07.05

Communication System Band: BAND 26; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.908 S/m; ε_r = 42.15; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.99, 9.99, 9.99); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.517 W/kg

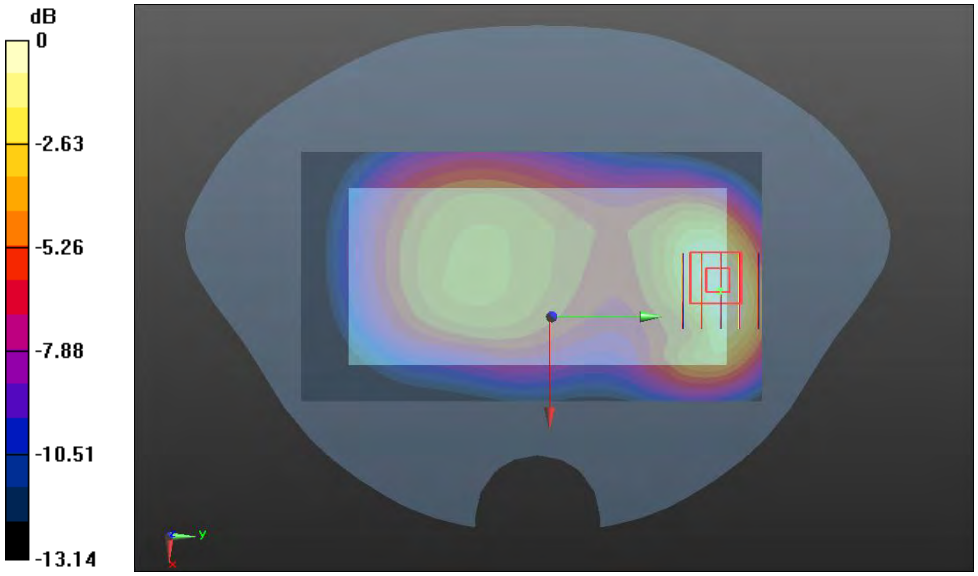
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.26 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.615 W/kg

SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.238 W/kg

Maximum value of SAR (measured) = 0.501 W/kg



0 dB = 0.501 W/kg

Meas.38 Right Head with Cheek on Middle Channel in LTE Band66 mode with Antenna 0

Date: 2024.07.07

Communication System Band: BAND 66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.373 S/m; ε_r = 40.962; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132322/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.241 W/kg

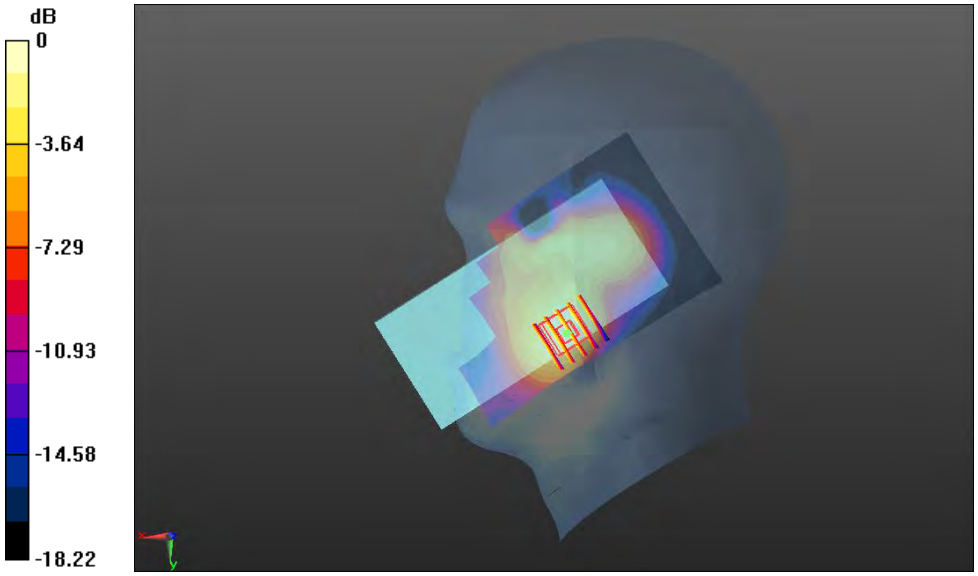
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.049 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.282 W/kg

SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.125 W/kg

Maximum value of SAR (measured) = 0.216 W/kg



0 dB = 0.216 W/kg

Meas.39 Body Plane with Back Side 15mm on Middle Channel in LTE Band66 mode with Antenna 0

Date: 2024.07.07

Communication System Band: BAND 66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.373 S/m; ε_r = 40.962; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132322/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.182 W/kg

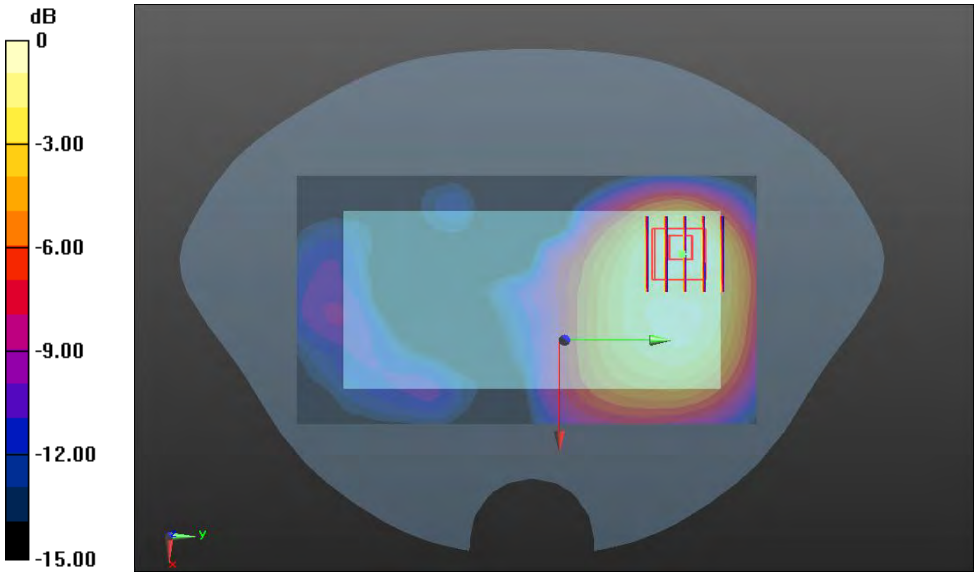
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.050 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.265 W/kg

SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.091 W/kg

Maximum value of SAR (measured) = 0.165 W/kg



0 dB = 0.165 W/kg

Meas.40 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band66 mode with Antenna 0

Date: 2024.07.07

Communication System Band: BAND 66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.373 S/m; ε_r = 40.962; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132322/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.622 W/kg

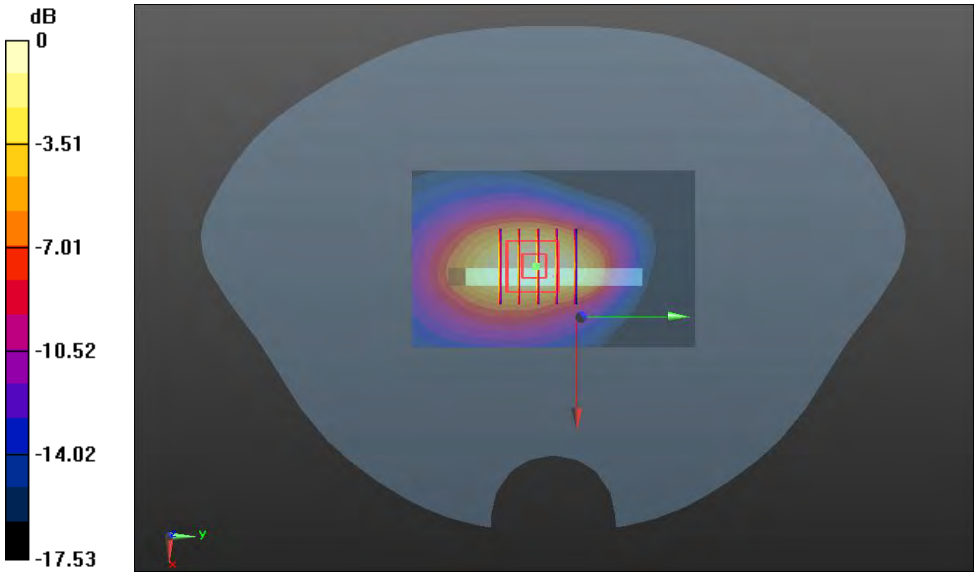
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.90 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.797 W/kg

SAR(1 g) = 0.488 W/kg; SAR(10 g) = 0.274 W/kg

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



0 dB = 0.546 W/kg

Meas.41 Left Head with Cheek on 6 Channel in IEEE802.11b mode with Antenna 2

Date: 2024.07.11

Communication System Band: 2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1.018

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.802 S/m; ε_r = 39.45; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.713 W/kg

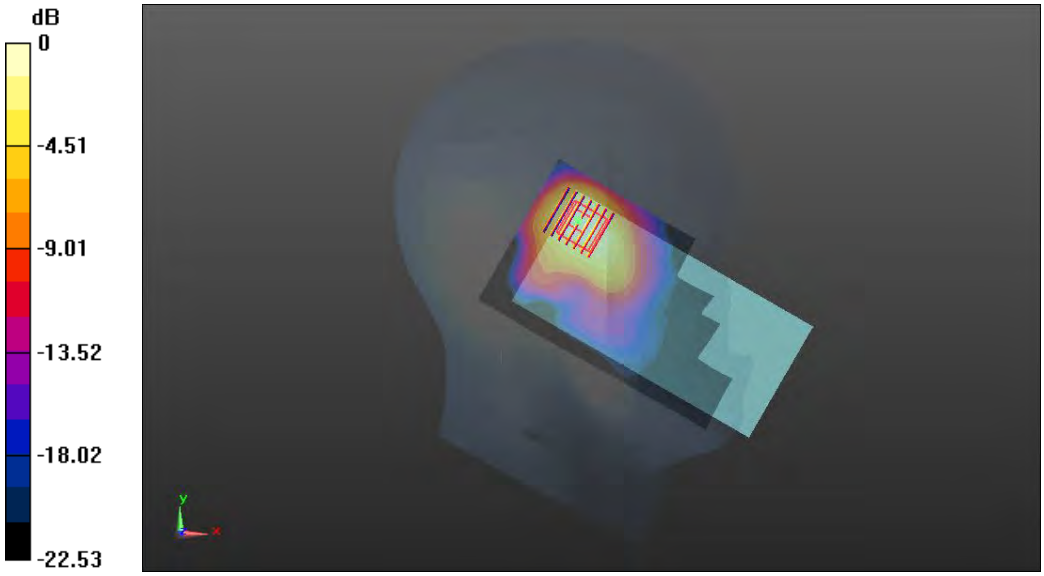
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.666 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.309 W/kg

Maximum value of SAR (measured) = 0.636 W/kg



0 dB = 0.636 W/kg

Meas.42 Body Plane with Back Side 15mm on 6 Channel in IEEE802.11b mode with Antenna 2

Date: 2024.07.11

Communication System Band: 2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1.018

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.802 S/m; ε_r = 39.45; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0719 W/kg

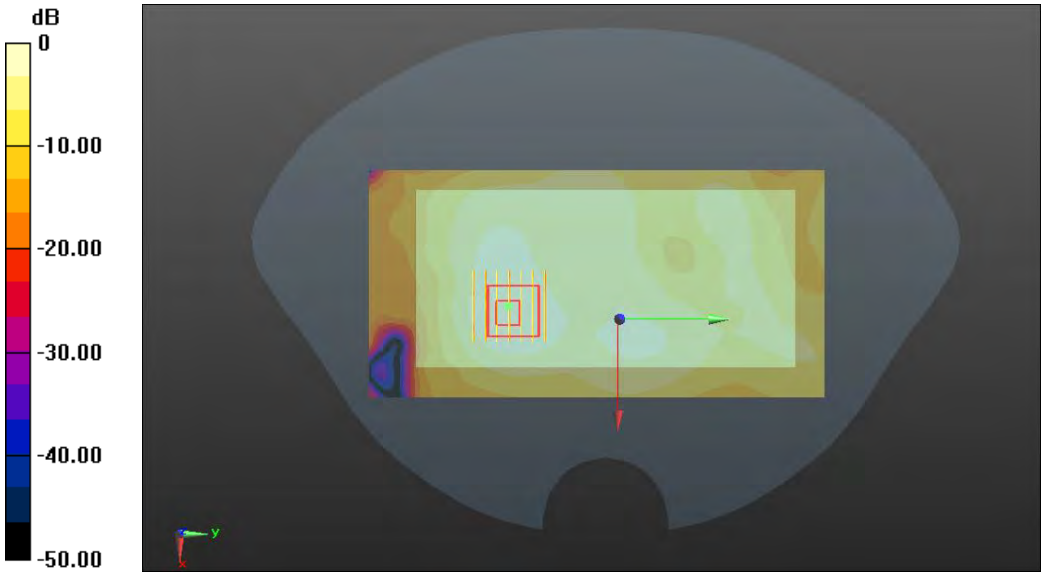
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.799 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.114 W/kg

SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.033 W/kg

Maximum value of SAR (measured) = 0.0672 W/kg



0 dB = 0.0672 W/kg

Meas.43 Body Plane with Back Side 10mm on 6 Channel in IEEE802.11b mode with Antenna 2

Date: 2024.07.11

Communication System Band: 2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1.018

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.802 S/m; ε_r = 39.45; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.131 W/kg

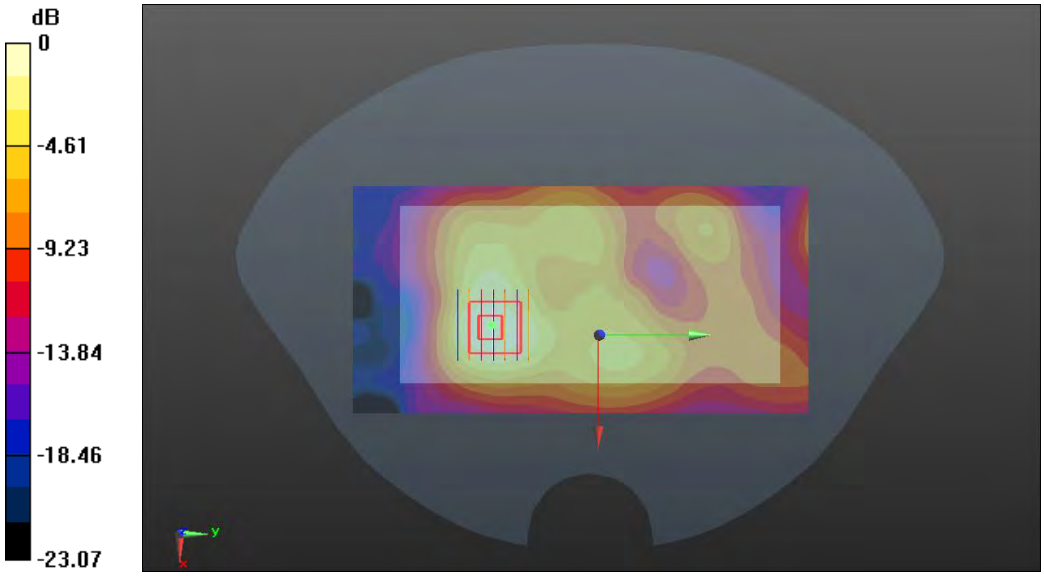
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.725 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.232 W/kg

SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.063 W/kg

Maximum value of SAR (measured) = 0.134 W/kg



0 dB = 0.134 W/kg

Meas.44 Left Head with Tilt on 58 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2024.07.18

Communication System Band: 5.3G; Frequency: 5290 MHz;Duty Cycle: 1:1.037

Medium parameters used: f = 5290 MHz; σ = 4.704 S/m; ε_r = 36.047; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.5, 5.5, 5.5); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.16 W/kg

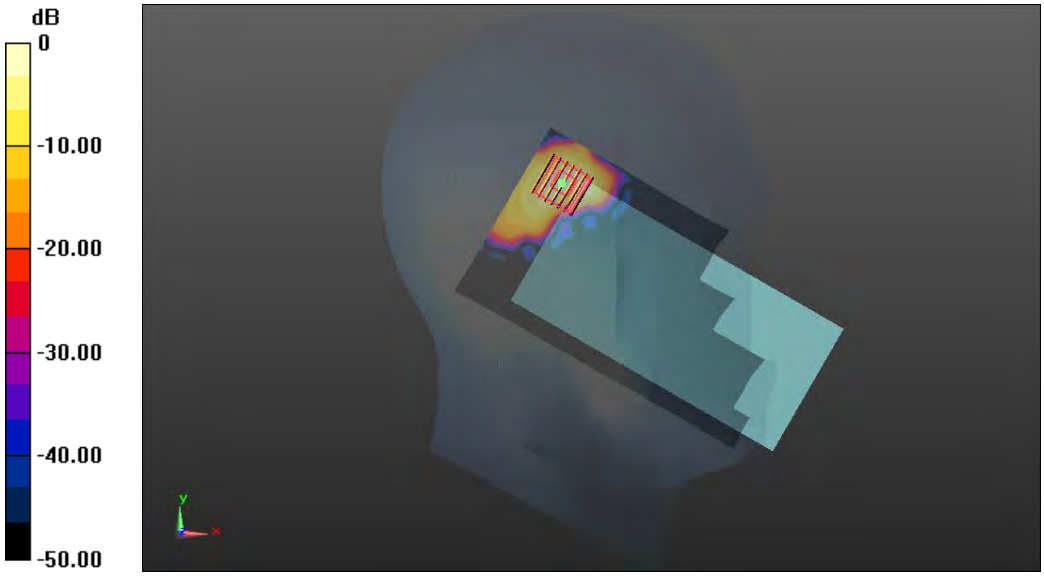
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.55 W/kg

SAR(1 g) = 0.564 W/kg; SAR(10 g) = 0.145 W/kg

Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.23 W/kg

Meas.45 Left Head with Tilt on 122 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2024.07.19

Communication System Band: 5.6G; Frequency: 5610 MHz;Duty Cycle: 1:1.037

Medium parameters used: f = 5610 MHz; σ = 5.1 S/m; ε_r = 35.6; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.6℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5, 5, 5); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch122/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.34 W/kg

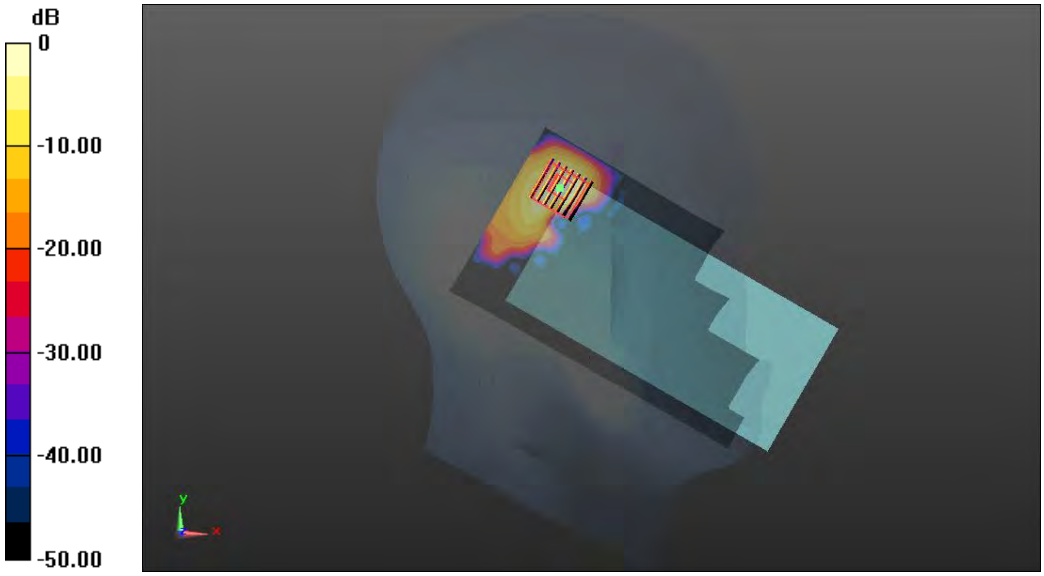
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.98 W/kg

SAR(1 g) = 0.646 W/kg; SAR(10 g) = 0.163 W/kg

Maximum value of SAR (measured) = 1.47 W/kg



0 dB = 1.47 W/kg

Meas.46 Left Head with Tilt on 155 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2024.07.20

Communication System Band: 5.8G; Frequency: 5775 MHz;Duty Cycle: 1:1.037

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.321 S/m; ε_r = 34.82; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.9℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.04, 5.04, 5.04); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.893 W/kg

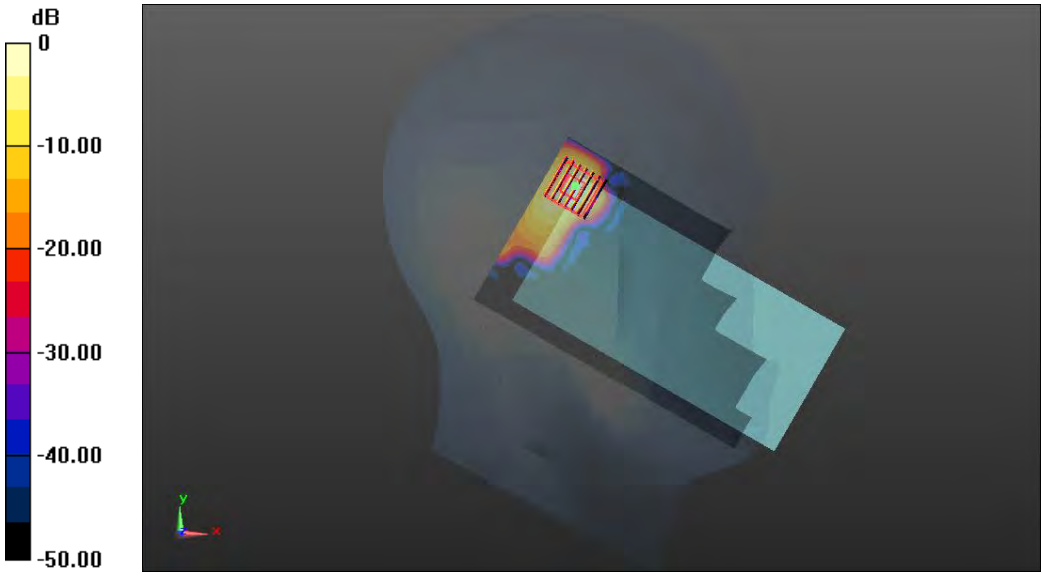
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.2690 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 0.395 W/kg; SAR(10 g) = 0.099 W/kg

Maximum value of SAR (measured) = 0.910 W/kg



0 dB = 0.910 W/kg

Meas.47 Body Plane with Back Side 15mm on 58 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2024.07.18

Communication System Band: 5.3G; Frequency: 5290 MHz;Duty Cycle: 1:1.037

Medium parameters used (interpolated): f = 5290 MHz; σ = 4.704 S/m; ε_r = 36.047; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.5, 5.5, 5.5); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

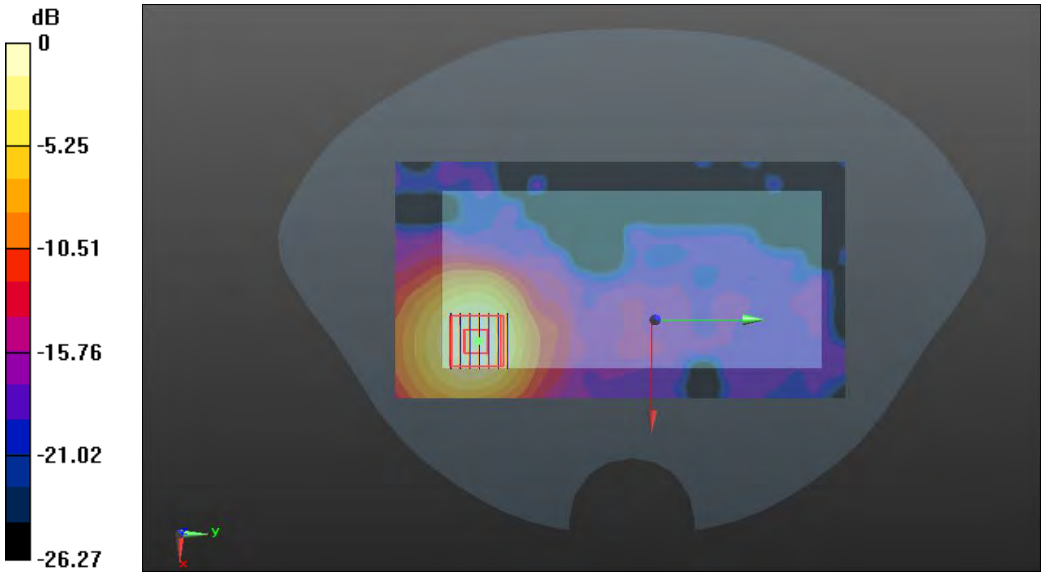
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.129 W/kg

Maximum value of SAR (measured) = 0.575 W/kg



0 dB = 0.575 W/kg

Meas.48 Body Plane with Back Side 15mm on 122 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2024.07.19

Communication System Band: 5.6G; Frequency: 5610 MHz;Duty Cycle: 1:1.037

Medium parameters used: f = 5610 MHz; σ = 5.1 S/m; ε_r = 35.6; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5, 5, 5); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch122/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.21 W/kg

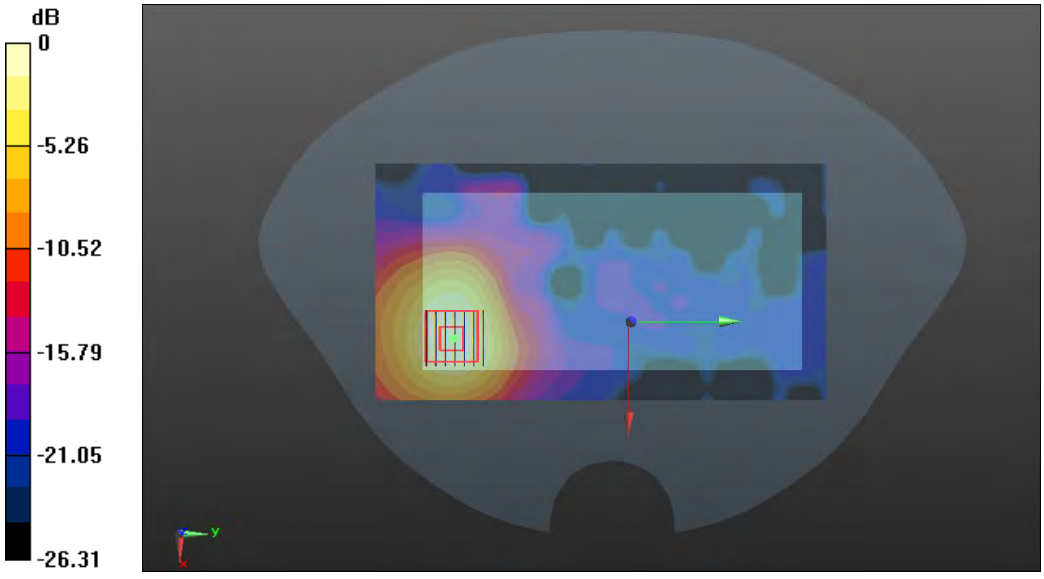
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.450 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 0.630 W/kg; SAR(10 g) = 0.249 W/kg

Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg

Meas.49 Body Plane with Back Side 15mm on 155 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2024.07.20

Communication System Band: 5.8G; Frequency: 5775 MHz;Duty Cycle: 1:1.037

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.321 S/m; ε_r = 34.82; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.04, 5.04, 5.04); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.756 W/kg

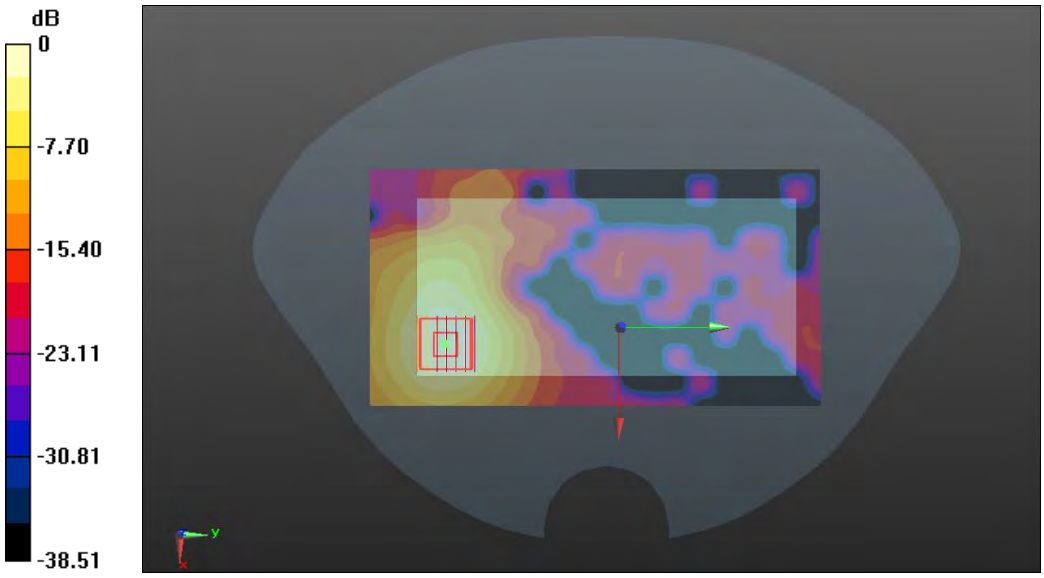
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.6240 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.370 W/kg; SAR(10 g) = 0.148 W/kg

Maximum value of SAR (measured) = 0.725 W/kg



0 dB = 0.725 W/kg

Meas.50 Body Plane with Back Side 10mm on 42 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2024.07.18

Communication System Band: 5.2G; Frequency: 5210 MHz;Duty Cycle: 1:1.037

Medium parameters used (interpolated): f = 5210 MHz; σ = 4.59 S/m; ε_r = 36.58; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.74, 5.74, 5.74); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch42/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.631 W/kg

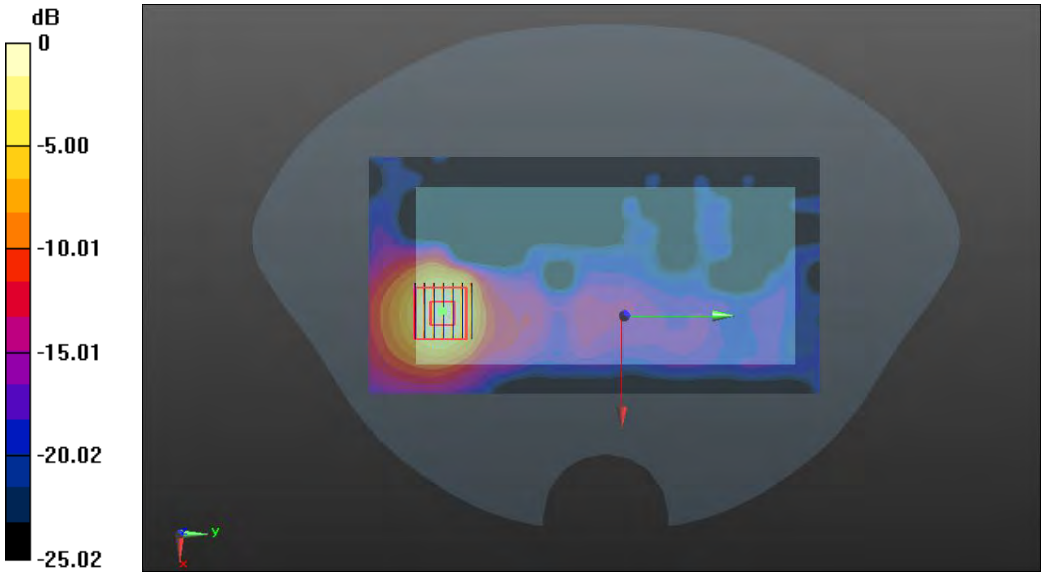
Ch42/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.9760 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.126 W/kg

Maximum value of SAR (measured) = 0.640 W/kg



0 dB = 0.640 W/kg

Meas.51 Body Plane with Back Side 10mm on 155 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2024.07.20

Communication System Band: 5.8G; Frequency: 5775 MHz;Duty Cycle: 1:1.037

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.321 S/m; ε_r = 34.82; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.04, 5.04, 5.04); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.06 W/kg

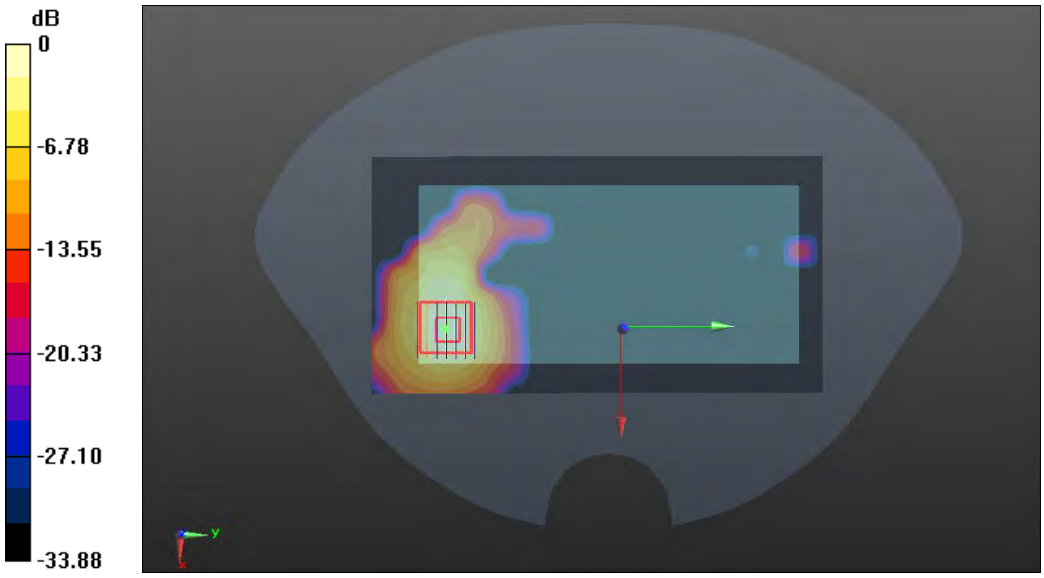
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.765 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 0.527 W/kg; SAR(10 g) = 0.210 W/kg

Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg

Meas.52 Body Plane with Top Edge 0mm on 58 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2024.07.18

Communication System Band: 5.3G; Frequency: 5290 MHz;Duty Cycle: 1:1.037

Medium parameters used (interpolated): f = 5290 MHz; σ = 4.704 S/m; ε_r = 36.047; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.5, 5.5, 5.5); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (61x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 5.82 W/kg

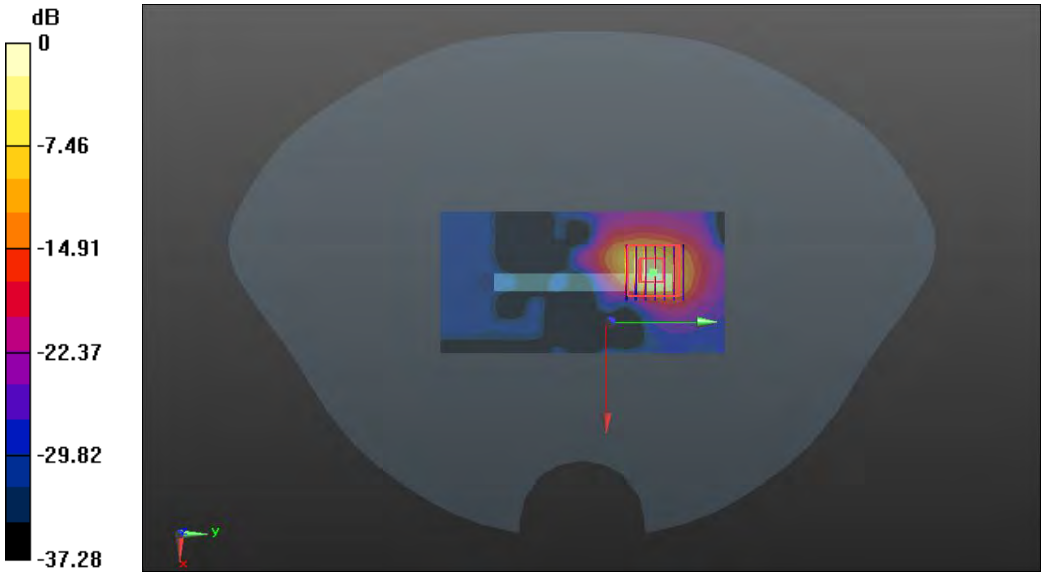
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.356 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 3.13 W/kg; SAR(10 g) = 0.690 W/kg

Maximum value of SAR (measured) = 8.23 W/kg



0 dB = 8.23 W/kg

Meas.53 Body Plane with Top Edge 0mm on 122 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2024.07.19

Communication System Band: 5.6G; Frequency: 5610 MHz;Duty Cycle: 1:1.037

Medium parameters used: f = 5610 MHz; σ = 5.1 S/m; ε_r = 35.6; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5, 5, 5); Calibrated: 2024.06.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch122/Area Scan (61x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.2 W/kg

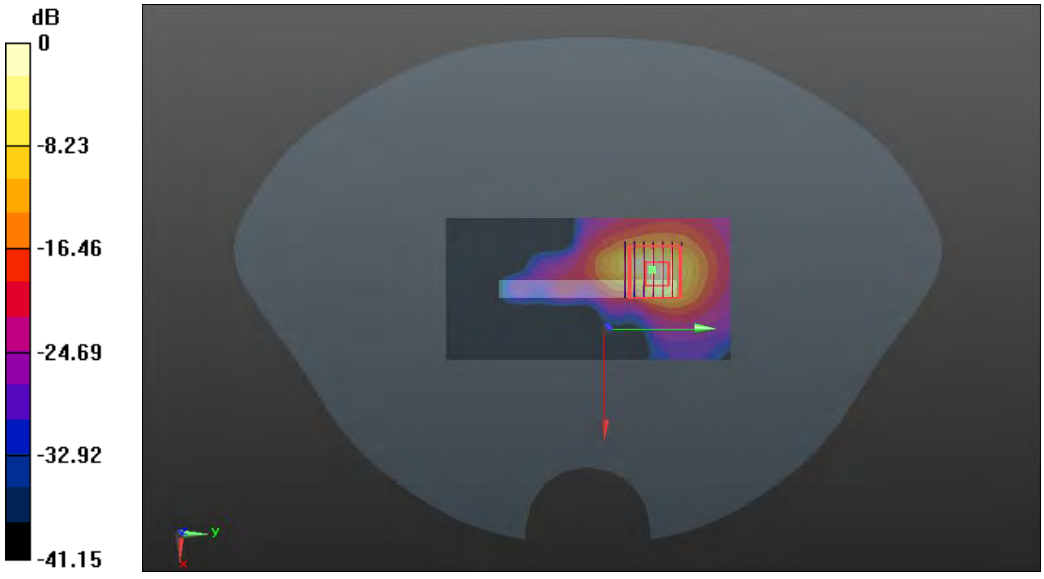
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.451 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 23.9 W/kg

SAR(1 g) = 4.11 W/kg; SAR(10 g) = 0.950 W/kg

Maximum value of SAR (measured) = 9.3 W/kg



0 dB = 9.3 W/kg

Meas.54 Left Head with Cheek on 78 Channel in Bluetooth mode with Antenna 2

Date: 2024.07.11

Communication System Band: BT; Frequency: 2480 MHz;Duty Cycle: 1:1.291

Medium parameters used (interpolated): f = 2480 MHz; σ = 1.88 S/m; ε_r = 38.92; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch78/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0412 W/kg

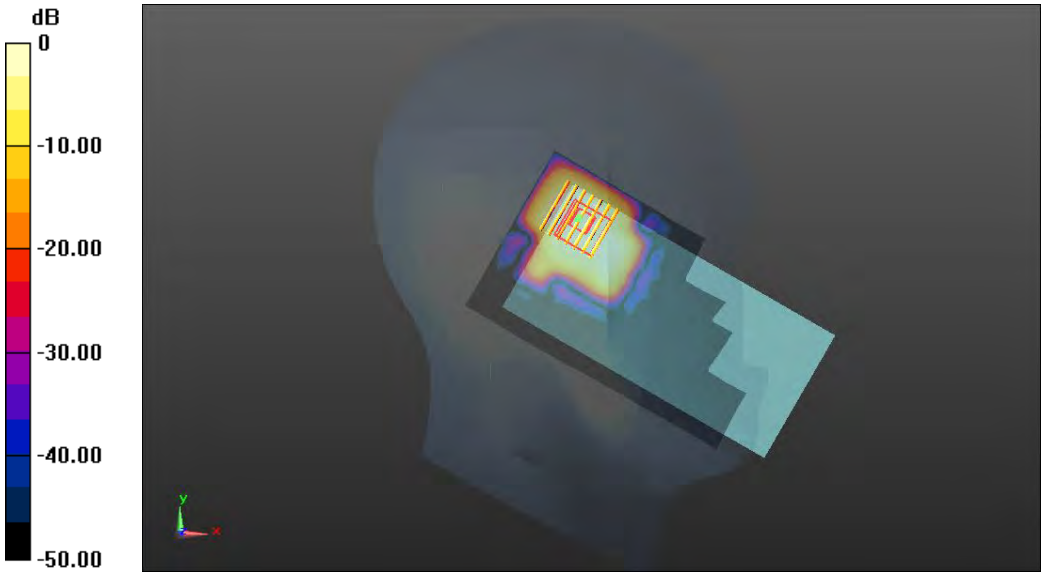
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.581 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.0800 W/kg

SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.018 W/kg

Maximum value of SAR (measured) = 0.0382 W/kg



0 dB = 0.0382 W/kg

Meas.55 Body Plane with Back Side 15mm on 78 Channel in Bluetooth mode with Antenna 2

Date: 2024.07.11

Communication System Band: BT; Frequency: 2480 MHz;Duty Cycle: 1:1.291

Medium parameters used (interpolated): f = 2480 MHz; σ = 1.88 S/m; ε_r = 38.92; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch78/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0596 W/kg

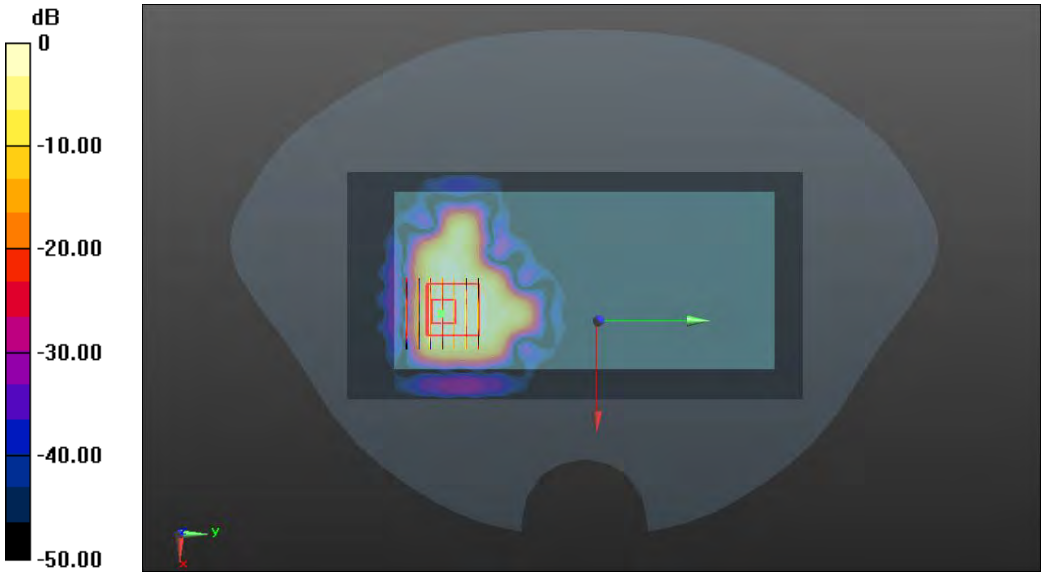
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.956 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0620 W/kg

SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.010 W/kg

Maximum value of SAR (measured) = 0.0331 W/kg



0 dB = 0.0331 W/kg

Meas.56 Body Plane with Back Side 10mm on 78 Channel in Bluetooth mode with Antenna 2

Date: 2024.07.11

Communication System Band: BT; Frequency: 2480 MHz;Duty Cycle: 1:1.291

Medium parameters used (interpolated): f = 2480 MHz; σ = 1.88 S/m; ε_r = 38.92; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024.06.25;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch78/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0809 W/kg

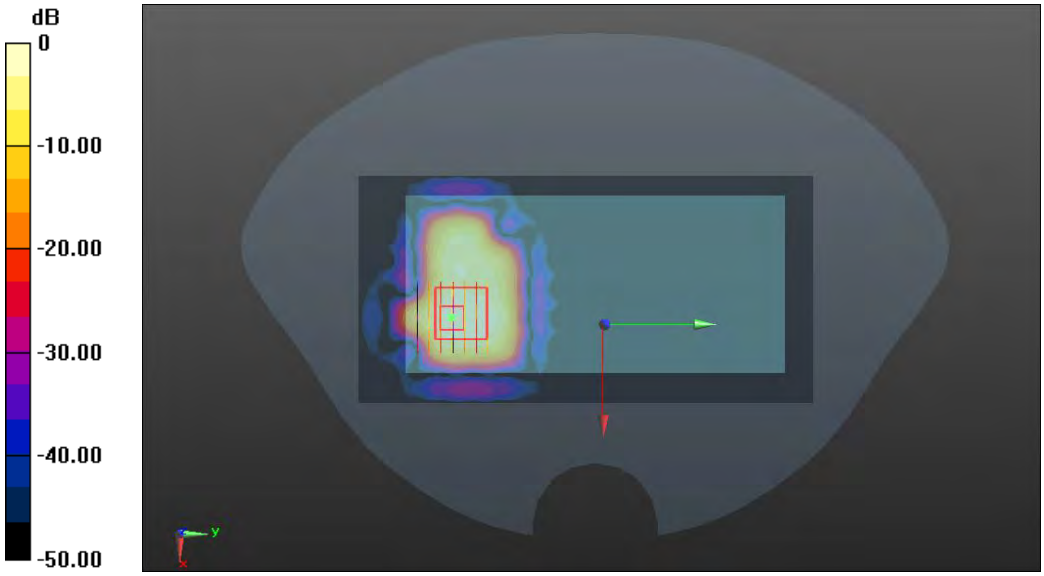
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.546 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.0980 W/kg

SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.016 W/kg

Maximum value of SAR (measured) = 0.0534 W/kg



0 dB = 0.0534 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2460766-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2460766-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2460766-AC.pdf”.

ANNEX G TUNE-UP PROCEDURE

Please refer the document “BL-SZ2460766-AT.pdf”.

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--END OF REPORT--