TEST REPORT

Applicant:	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address:	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China
Equipment Type:	Mobile Phone
Model Name:	CPH2577
Brand Name:	OPPO
FCC ID:	R9C-CPH2577
Test Standard:	FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR:	Head (1 g@0mm): 1.00 W/kg Body-worn (1 g@15mm): 0.54 W/kg Hotspot (1 g@10mm): 0.83 W/kg Specific (10 g@0mm): 1.46 W/kg
Sample Arrival Date:	May 17, 2023
Test Date:	May 17, 2023 – Jun. 05, 2023
Date of Issue:	Jun. 15, 2023

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Xiong Lining **Checked by:** Xu Rui **Approved by:** Tolan Tu

(Testing Director)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Jun. 15, 2023	Initial Issue

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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	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China

2.2 Manufacturer Information

Manufacturer	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China

2.3 Factory Information

Factory	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	CPH2577
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	ColorOS 13.1
Dimensions (Approx.)	165.60x75.98x7.99mm
Weight (Approx.)	191g(with battery)
EUT ID	S04, S05, S06, S07, S08, S09
IMEI	S04: IMEI1:865508060022270, IMEI2:865508060022262 S05: IMEI1:865508060022114, IMEI2:865508060022106 S06: IMEI1:865508060020530, IMEI2:865508060020522 S07: IMEI1:865508060020415, IMEI2:865508060020407 S08: IMEI1:865508060020514, IMEI2:865508060020506 S09: IMEI1:865508060020274, IMEI2:865508060020266
Note1: EUT ID is used to identify the test sample in the lab internally. Note2: It is performed to test SAR with the EUT S06 & S07 & S08 & S09 and conducted power with the EUT S04 & S05.	

2.5 Ancillary Equipment

Ancillary Equipment 1	Li-Polymer Battery 1	
	Brand Name	SUPERVOOC
	Model No.	BLPA19
	Serial No.	N/A
	Capacity	Rated: 4880mAh/19.09Wh Typical: 5000mAh/19.55Wh
	Rated Voltage	3.91V
	Limited Voltage	4.50 V
	Manufacturer	Sunwoda Electronic Co., Ltd.
Ancillary Equipment 2	Li-Polymer Battery 2	
	Brand Name	SUPERVOOC
	Model No.	BLPA19
	Serial No.	N/A
	Capacitance	Rated: 4880mAh/19.09Wh Typical: 5000mAh/19.55Wh
	Rated Voltage	3.91V
	Limited Voltage	4.50 V
	Manufacturer	TWS Technology (Guangzhou) Limited
Note: The EUT has two Batterys, they are same with electrical parameters, but only differ in Manufacturer and battery cell. By comparing the test data of two Batteries, battery 1 can produce a more conservative SAR values. The battery of the Manufacturer is Sunwoda Electronic Co., Ltd. as the main for test in this report.		

2.6 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 2/4/5/7/12/13/17/26/66 LTE TDD Band 38/41 Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40), VHT20/40 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3, GPS, GLONASS, BDS, Galileo, SBAS, FM Receiver
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 MHz ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 MHz ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 26 (part22)	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 26 (part90)	TX: 814 ~ 824 MHz	RX: 859 ~ 869 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2200 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2535 ~ 2655 MHz	RX: 2535 ~ 2655 MHz
	802.11b/g /n(HT20/HT40)	2412 ~ 2462 MHz	
	VHT20/40	2412 ~ 2462 MHz	
	802.11 a/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: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna	
DTM	N/A	
Hotspot Function	Support	
Power Reduction	Support	
Exposure Category	General Population/Uncontrolled exposure	
EUT Type	Portable Device	
Product Type	☒ Production unit	☐ Identical prototype

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	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/ Controlled Exposure
Whole-Body SAR (averaged over the entire body)	0.08	0.4
Partial-Body SAR (averaged over any 1 gram of tissue)	1.60	8.0
SAR for hands, wrists, feet and ankles (averaged over any 10 grams of tissue)	4.0	20.0

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR Values

Equipment Class	Band	Maximum Scaled SAR (W/kg)			
		Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)
		1g SAR			10g SAR
PCE	GSM 850	0.86	0.16	0.17	/
	GSM 1900	**1.00**	0.27	0.45	/
	WCDMA Band 2	0.73	0.26	0.42	1.38
	WCDMA Band 4	0.93	0.26	0.34	1.36
	WCDMA Band 5	0.70	0.16	0.17	/
	LTE Band 2	0.86	0.30	0.54	**1.46**
	LTE Band 4	0.85	0.23	0.35	/
	LTE Band 5	0.54	0.20	0.18	/
	LTE Band 7	0.57	0.31	0.30	/
	LTE Band 12	0.14	0.18	0.16	/
	LTE Band 13	0.30	0.17	0.22	/
	LTE Band 17	0.15	0.20	0.15	/
	LTE Band 26	0.70	0.18	0.20	/
	LTE Band 66	0.88	0.21	0.34	/
	LTE Band 38	0.52	0.26	0.35	/
	LTE Band 41	0.61	0.27	0.38	/
DTS	2.4G WLAN	1.03	0.36	0.60	/
NII	5.2G WLAN	/	/	0.68	/
	5.3G WLAN	0.65	0.50	/	1.36
	5.6G WLAN	0.68	**0.54**	/	1.15
	5.8G WLAN	0.61	0.42	**0.83**	/
DSS	Bluetooth	0.46	0.08	0.10	/
Maximum Report SAR (W/kg)		1.00	0.54	0.83	1.46
Limit (W/kg)		1.60			4.00
Verdict		PASS			

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR (W/kg)			
	Head 1g (0mm)	Body-worn 1g (0mm)	Hotspot 1g (10mm)	Specific 10g (0mm)
PCE	1.096	0.922	0.752	1.080
DTS	0.911	0.669	0.752	/
NII	1.141	0.922	0.923	1.080
DSS	1.141	0.922	0.923	/
Limit (W/Kg)	1.60	1.60	1.60	4.00
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 12.2				

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 1.00 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 1.46 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

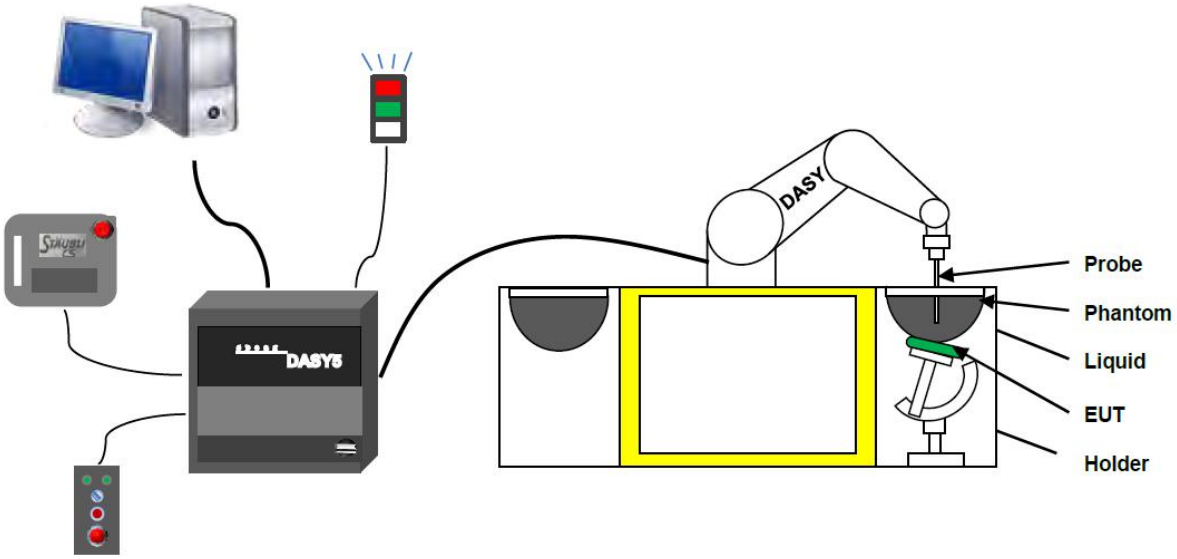
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^{2}}{\boldsymbol{\rho}}$$

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

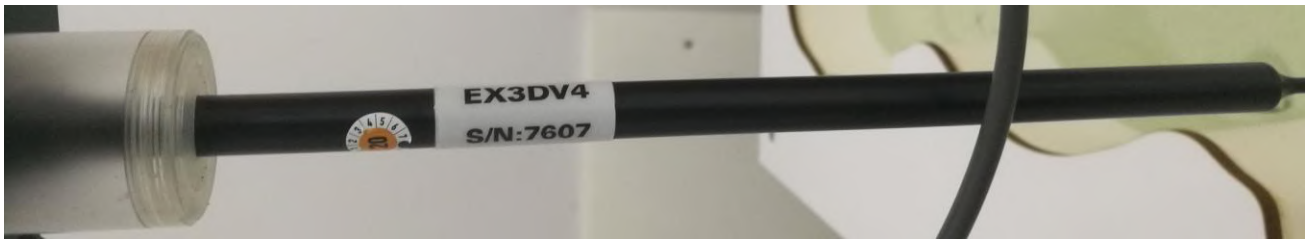
The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many 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:7607 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)

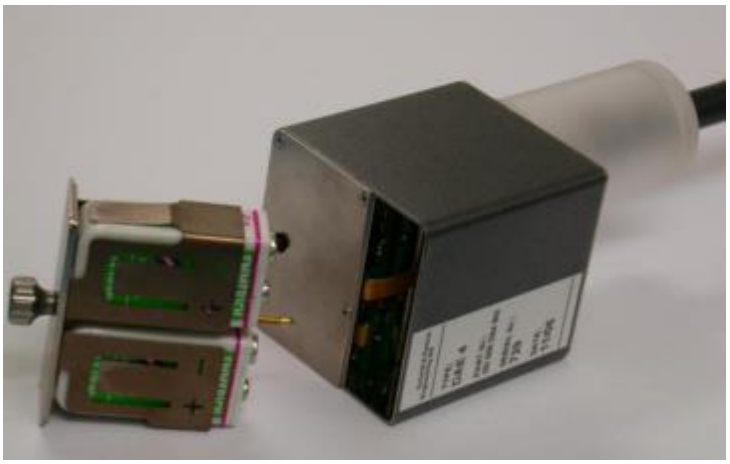


E-Field Probe Calibration Process

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

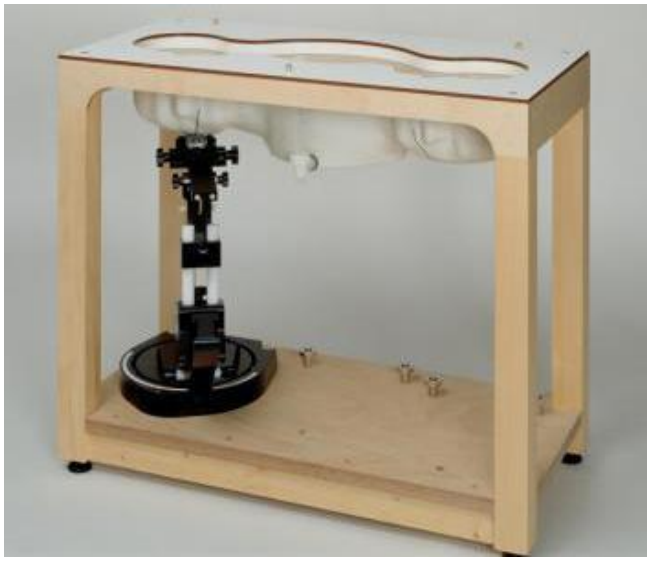
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an 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 SAM1	Vinylester, glass fiber reinforced	1000	500

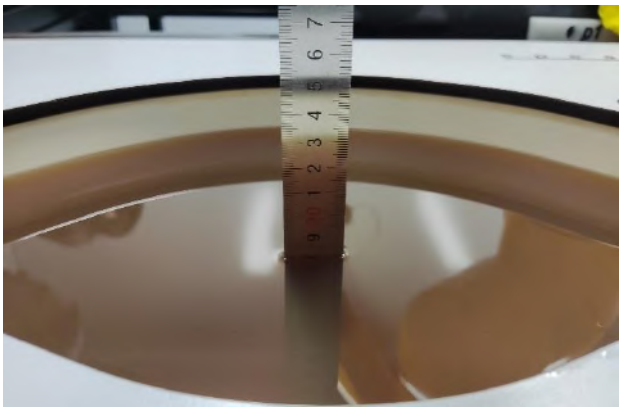
4.2.6 Device Holder

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

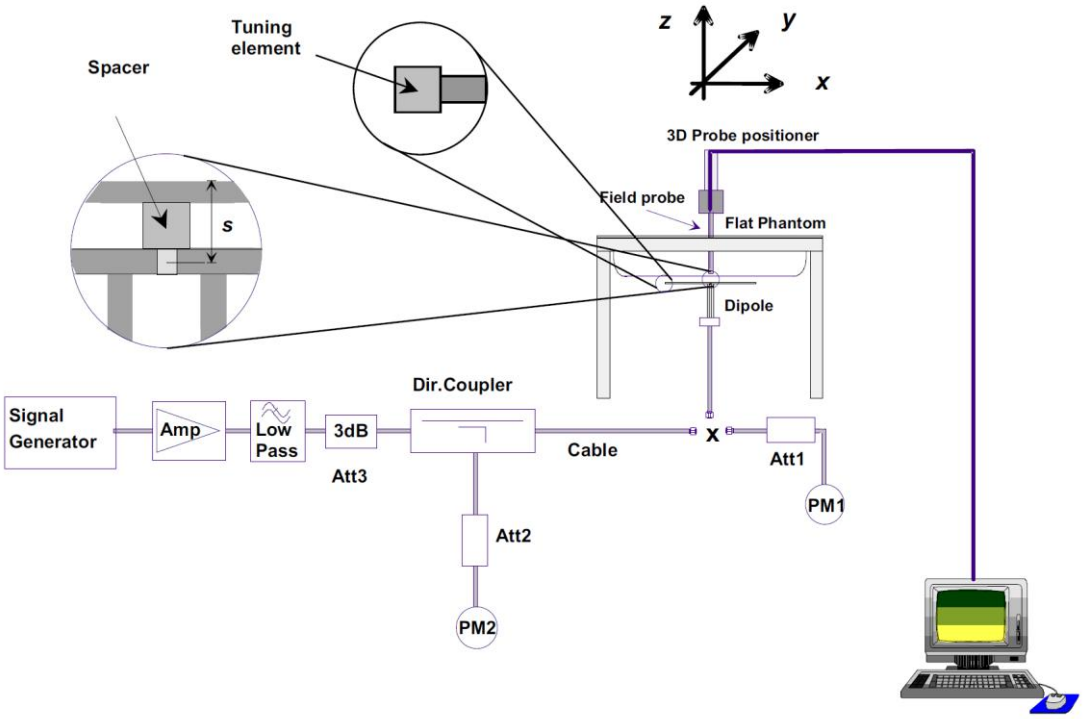
5 SYSTEM VERIFICATION

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

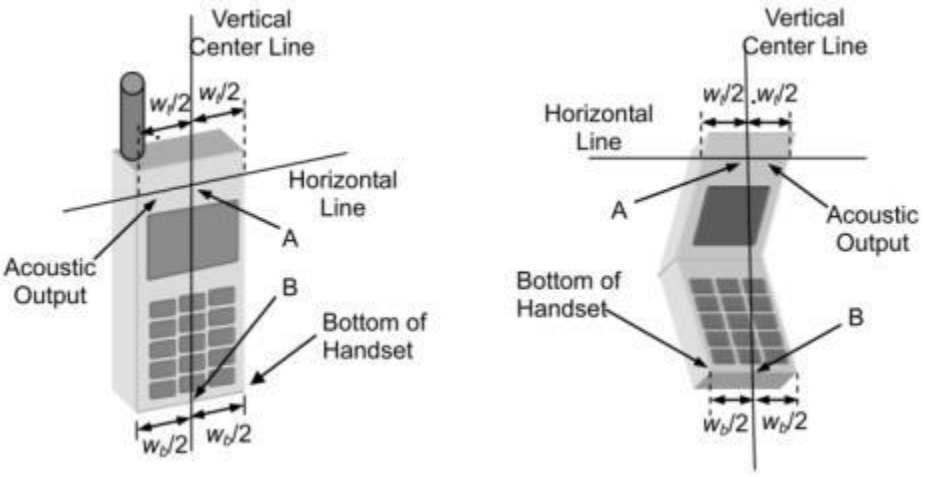
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

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.

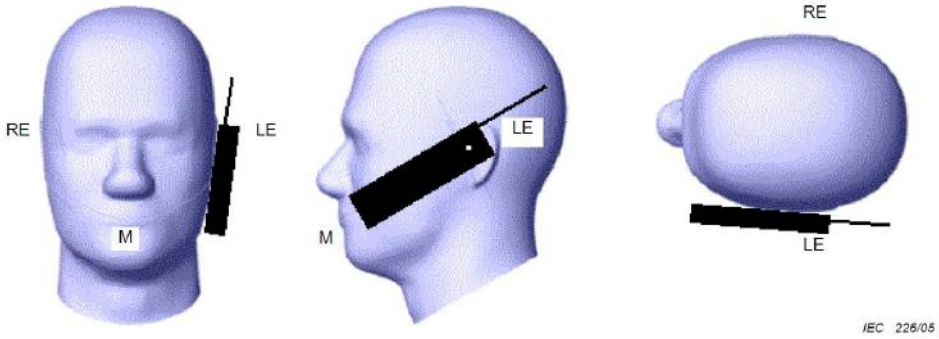
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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

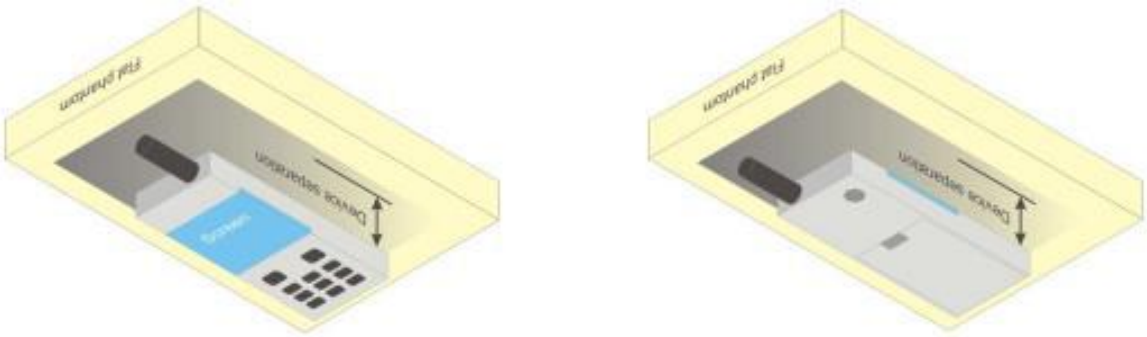
(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

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.

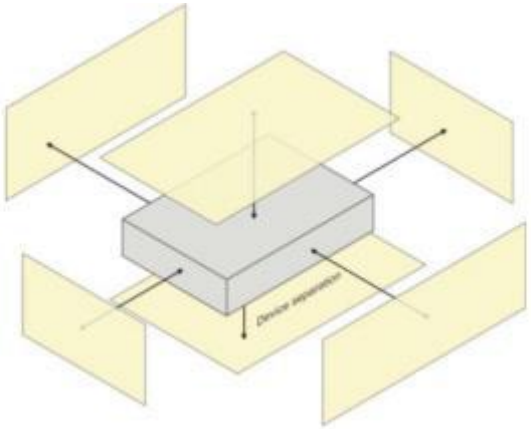
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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



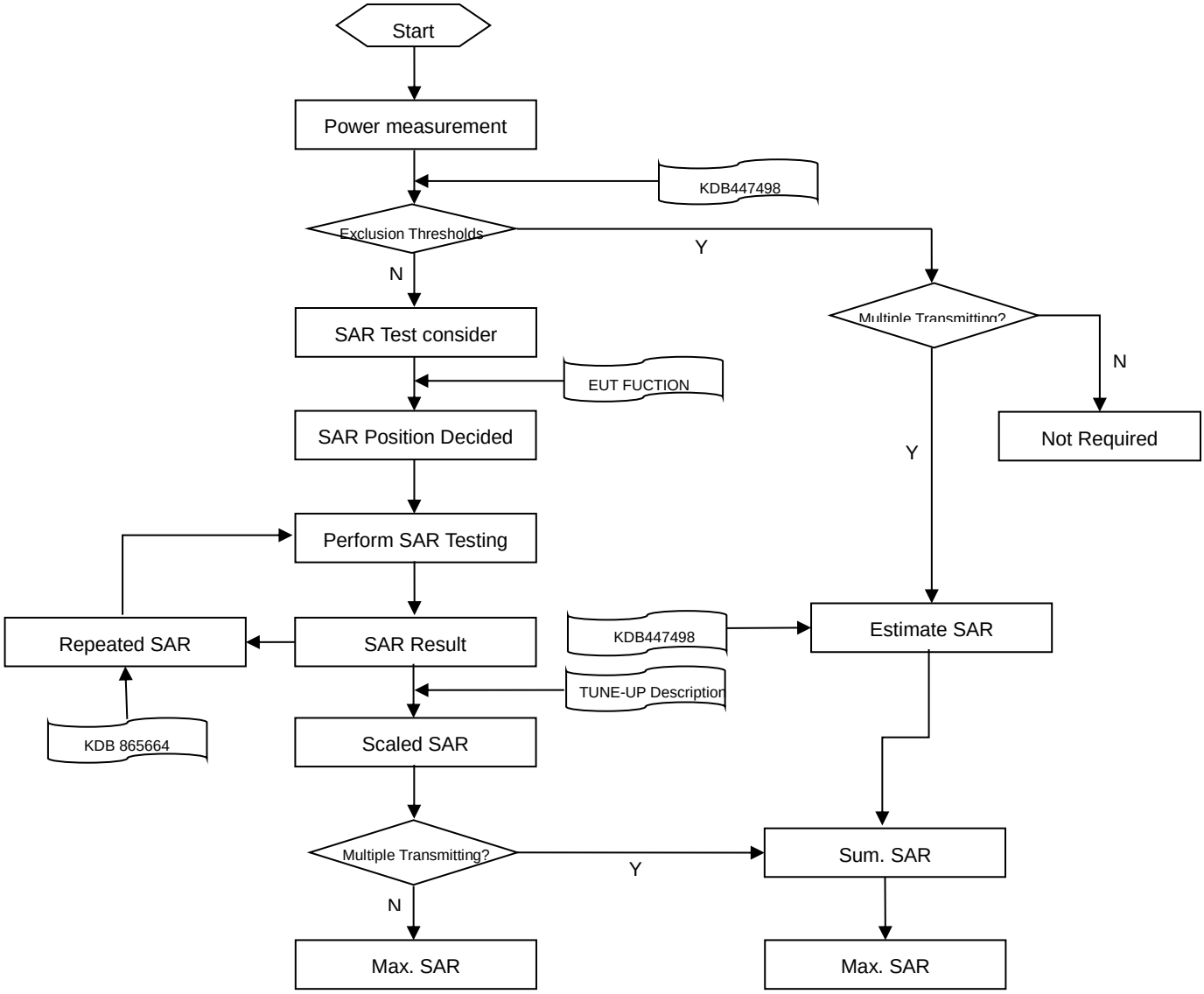
6.4 Product Specific 10g Exposure Consideration

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="7">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2" rowspan="3">uniform grid: Δz Zoom (n)</td><td rowspan="3">≤ 5 mm</td><td>3–4 GHz: ≤ 4 mm</td></tr>
<tr><td>4–5 GHz: ≤ 3 mm</td></tr>
<tr><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td rowspan="4">graded grid</td><td rowspan="2">Δz Zoom (1): between 1st two points closest to phantom surface</td><td rowspan="2">≤ 4 mm</td><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.

8 CONDUCTED RF OUPUT POWER

8.1 GSM

Please refer the document “Conducted RF Output Power List.pdf”.

8.2 WCDMA

Please refer the document “Conducted RF Output Power List.pdf”.

8.3 LTE

Please refer the document “Conducted RF Output Power List.pdf”.

8.4 WIFI

8.4.1 2.4G WIFI Full Power

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11 b	1	2412	12.79	14.00	No
		2	2417	14.53	16.00	No
		3	2422	14.67	16.00	No
		4	2427	15.32	17.00	No
		5	2432	15.84	17.00	No
		6	2437	15.05	17.00	No
		7	2442	15.11	17.00	No
		8	2447	13.74	15.00	No
		9	2452	12.75	14.00	No
		10	2457	13.10	15.00	No
		11	2462	13.07	15.00	No
	802.11 g	1	2412	14.13	16.00	No
		2	2417	16.76	17.00	No
		3	2422	17.87	18.00	No
		6	2437	17.41	18.00	No
		9	2452	17.43	18.00	No
		10	2457	16.84	17.00	No
		11	2462	14.35	16.00	No
	802.11 n (HT20)	1	2412	13.50	15.00	No
		2	2417	16.64	17.00	No
		3	2422	18.23	18.50	No
		6	2437	17.67	18.00	No
		9	2452	17.65	18.00	No
		10	2457	15.52	17.00	No
		11	2462	12.71	14.00	No
	802.11 n (HT40)	3	2422	13.04	15.00	No
		4	2427	13.90	15.00	No
		5	2432	15.49	17.00	No
		6	2437	15.53	17.00	No
		7	2442	14.71	16.00	No
		8	2447	13.49	15.00	No
		9	2452	12.43	14.00	No
	VHT(20 MHz)	1	2412	13.42	15.00	No
		2	2417	16.62	17.00	No
		6	2437	16.36	17.00	No

		9	2452	16.57	17.00	No
		10	2457	15.56	17.00	No
		11	2462	13.55	15.00	No
	VHT(40 MHz)	3	2422	12.88	14.00	No
		4	2427	13.98	15.00	No
		5	2432	15.56	17.00	No
		6	2437	15.51	17.00	No
		7	2442	14.53	16.00	No
		8	2447	13.43	15.00	No
		9	2452	12.44	14.00	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 (802.11g/n/VHT) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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.

8.4.2 2.4G WIFI Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11 b	1	2412	12.79	14.00	No
		2	2417	13.58	15.00	No
		3	2422	13.61	15.00	No
		4	2427	13.32	15.00	No
		5	2432	**13.91**	15.00	Yes
		6	2437	13.25	15.00	Yes
		7	2442	13.31	15.00	Yes
		8	2447	13.74	15.00	No
		9	2452	12.75	14.00	No
		10	2457	13.10	15.00	No
		11	2462	13.07	15.00	No
	802.11 g	1	2412	13.49	15.00	No
		2	2417	13.49	15.00	No
		3	2422	13.61	15.00	No
		6	2437	13.48	15.00	No
		9	2452	13.57	15.00	No
		10	2457	13.60	15.00	No
		11	2462	14.35	15.00	No
	802.11 n (HT20)	1	2412	13.50	15.00	No
		2	2417	13.48	15.00	No
		3	2422	13.65	15.00	No
		6	2437	13.47	15.00	No
		9	2452	13.55	15.00	No
		10	2457	13.65	15.00	No
		11	2462	12.71	14.00	No
	802.11 n (HT40)	3	2422	13.04	15.00	No
		4	2427	13.90	15.00	No
		5	2432	13.63	15.00	No
		6	2437	13.57	15.00	No
		7	2442	13.60	15.00	No
		8	2447	13.49	15.00	No
		9	2452	12.43	14.00	No
	VHT(20 MHz)	1	2412	13.42	15.00	No
		2	2417	13.57	15.00	No
		6	2437	13.54	15.00	No
		9	2452	13.52	15.00	No

		10	2457	13.62	15.00	No
		11	2462	13.55	15.00	No
	VHT(40 MHz)	3	2422	12.88	14.00	No
		4	2427	13.98	15.00	No
		5	2432	13.45	15.00	No
		6	2437	13.40	15.00	No
		7	2442	13.41	15.00	No
		8	2447	13.43	15.00	No
		9	2452	12.44	14.00	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 (802.11g/n/VHT) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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 = 1.034 * (31.62mW/31.62mW) = 1.034 W/Kg, so 2.4G OFDM SAR test is not required.

8.4.3 2.4G WIFI Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11 b	1	2412	8.58	10.00	No
		2	2417	8.57	10.00	No
		3	2422	8.35	10.00	No
		4	2427	8.65	10.00	No
		5	2432	**9.01**	10.00	Yes
		6	2437	8.67	10.00	Yes
		7	2442	8.73	10.00	Yes
		8	2447	8.54	10.00	No
		9	2452	8.48	10.00	No
		10	2457	8.52	10.00	No
		11	2462	8.59	10.00	No
	802.11 g	1	2412	8.71	10.00	No
		2	2417	8.66	10.00	No
		3	2422	8.55	10.00	No
		6	2437	8.56	10.00	No
		9	2452	8.58	10.00	No
		10	2457	8.35	10.00	No
		11	2462	8.40	10.00	No
	802.11 n (HT20)	1	2412	8.35	10.00	No
		2	2417	8.40	10.00	No
		3	2422	8.44	10.00	No
		6	2437	8.59	10.00	No
		9	2452	8.67	10.00	No
		10	2457	8.38	10.00	No
		11	2462	8.60	10.00	No
	802.11 n (HT40)	3	2422	8.40	10.00	No
		4	2427	8.35	10.00	No
		5	2432	8.55	10.00	No
		6	2437	8.68	10.00	No
		7	2442	8.37	10.00	No
		8	2447	8.43	10.00	No
		9	2452	8.58	10.00	No
	VHT(20 MHz)	1	2412	8.70	10.00	No
		2	2417	8.33	10.00	No
		6	2437	8.61	10.00	No
		9	2452	8.48	10.00	No

		10	2457	8.49	10.00	No
		11	2462	8.61	10.00	No
	VHT(40 MHz)	3	2422	8.54	10.00	No
		4	2427	8.37	10.00	No
		5	2432	8.54	10.00	No
		6	2437	8.47	10.00	No
		7	2442	8.60	10.00	No
		8	2447	8.49	10.00	No
		9	2452	8.37	10.00	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 (802.11g/n/VHT) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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 = 0.352 * (10mW/10mW) = 0.352 W/Kg, so 2.4G OFDM SAR test is not required.

8.4.4 2.4G WIFI Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11 b	1	2412	12.79	14.00	No
		2	2417	14.53	16.00	No
		3	2422	14.67	16.00	No
		4	2427	15.32	17.00	No
		5	2432	**15.84**	17.00	Yes
		6	2437	15.05	17.00	Yes
		7	2442	15.11	17.00	Yes
		8	2447	13.74	15.00	No
		9	2452	12.75	14.00	No
		10	2457	13.10	15.00	No
		11	2462	13.07	15.00	No
	802.11 g	1	2412	14.13	16.00	No
		2	2417	16.76	17.00	No
		3	2422	17.87	18.00	No
		6	2437	17.41	18.00	No
		9	2452	17.43	18.00	No
		10	2457	16.84	17.00	No
		11	2462	14.35	16.00	No
	802.11 n (HT20)	1	2412	13.50	15.00	No
		2	2417	16.64	17.00	No
		3	2422	18.23	18.50	No
		6	2437	17.67	18.00	No
		9	2452	17.65	18.00	No
		10	2457	15.52	17.00	No
		11	2462	12.71	14.00	No
	802.11 n (HT40)	3	2422	13.04	15.00	No
		4	2427	13.90	15.00	No
		5	2432	15.49	17.00	No
		6	2437	15.53	17.00	No
		7	2442	14.71	16.00	No
		8	2447	13.49	15.00	No
		9	2452	12.43	14.00	No
	VHT(20 MHz)	1	2412	13.42	15.00	No
		2	2417	16.62	17.00	No
		6	2437	16.36	17.00	No
		9	2452	16.57	17.00	No

		10	2457	15.56	17.00	No
		11	2462	13.55	15.00	No
	VHT(40 MHz)	3	2422	12.88	14.00	No
		4	2427	13.98	15.00	No
		5	2432	15.56	17.00	No
		6	2437	15.51	17.00	No
		7	2442	14.53	16.00	No
		8	2447	13.43	15.00	No
		9	2452	12.44	14.00	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 (802.11g/n/VHT) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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 = 0.610 * (70.79mW/50.12mW) = 0.862 W/Kg, so 802.11n SAR test is not required.

8.4.5 2.4G WIFI Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11 b	1	2412	12.79	14.00	No
		2	2417	13.58	15.00	No
		3	2422	13.61	15.00	No
		4	2427	13.32	15.00	No
		5	2432	**13.91**	15.00	Yes
		6	2437	13.25	15.00	Yes
		7	2442	13.31	15.00	Yes
		8	2447	13.74	15.00	No
		9	2452	12.75	14.00	No
		10	2457	13.10	15.00	No
		11	2462	13.07	15.00	No
	802.11 g	1	2412	13.49	15.00	No
		2	2417	13.49	15.00	No
		3	2422	13.61	15.00	No
		6	2437	13.48	15.00	No
		9	2452	13.57	15.00	No
		10	2457	13.60	15.00	No
		11	2462	14.35	16.00	No
	802.11 n (HT20)	1	2412	13.50	15.00	No
		2	2417	13.48	15.00	No
		3	2422	13.65	15.00	No
		6	2437	13.47	15.00	No
		9	2452	13.55	15.00	No
		10	2457	13.65	15.00	No
		11	2462	12.71	14.00	No
	802.11 n (HT40)	3	2422	13.04	15.00	No
		4	2427	13.90	15.00	No
		5	2432	13.63	15.00	No
		6	2437	13.57	15.00	No
		7	2442	13.60	15.00	No
		8	2447	13.49	15.00	No
		9	2452	12.43	14.00	No
	VHT(20 MHz)	1	2412	13.42	15.00	No
		2	2417	13.57	15.00	No
		6	2437	13.54	15.00	No
		9	2452	13.52	15.00	No

		10	2457	13.62	15.00	No
		11	2462	13.55	15.00	No
	VHT(40 MHz)	3	2422	12.88	14.00	No
		4	2427	13.98	15.00	No
		5	2432	13.45	15.00	No
		6	2437	13.40	15.00	No
		7	2442	13.41	15.00	No
		8	2447	13.43	15.00	No
		9	2452	12.44	14.00	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 (802.11g/n/VHT) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11g mode is selected 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 = 0.412 * (31.62mW/31.62mW) = 0.412 W/Kg, so 2.4G OFDM SAR test is not required.

8.4.6 5G WIFI Full Power

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	11.26	13.00	No
		44	5220	15.74	17.50	No
		48	5240	15.84	17.50	No
	802.11n(HT20)	36	5180	15.72	17.50	No
		44	5220	15.69	17.50	No
		48	5240	15.64	17.50	No
	802.11n(HT40)	38	5190	12.21	14.00	No
		46	5230	15.75	17.50	No
	802.11ac(VHT20)	36	5180	13.05	15.00	No
		44	5220	15.68	17.50	No
		48	5240	15.65	17.50	No
	802.11ac(VHT40)	38	5190	13.32	15.00	No
		46	5230	15.72	17.50	No
	802.11ac(VHT80)	42	5210	11.24	13.00	No
5.3 (5.25~5.35)	802.11a	52	5260	15.70	17.50	No
		60	5300	15.78	17.50	No
		64	5320	15.83	17.50	No
	802.11n(HT20)	52	5260	15.61	17.50	No
		60	5300	15.67	17.50	No
		64	5320	15.66	17.50	No
	802.11n(HT40)	54	5270	15.66	17.50	No
		62	5310	13.12	15.00	No
	802.11ac(VHT20)	52	5260	15.69	17.50	No
		60	5300	15.63	17.50	No
		64	5320	15.74	17.50	No
	802.11ac(VHT40)	54	5270	15.64	17.50	No
		62	5310	13.72	15.00	No
	802.11ac(VHT80)	58	5290	10.51	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	15.80	17.50	No
		116	5580	15.93	17.50	No
		140	5700	13.79	15.00	No
	802.11n(HT20)	100	5500	15.72	17.50	No
		116	5580	15.81	17.50	No
		140	5700	13.63	15.00	No
	802.11n(HT40)	102	5510	12.82	14.00	No
		118	5590	15.75	17.50	No

		134	5670	14.24	16.00	No
	802.11ac(VHT20)	100	5500	13.71	15.00	No
		116	5580	15.73	17.50	No
		140	5700	12.53	14.00	No
	802.11ac(VHT40)	102	5510	12.22	14.00	No
		118	5590	15.79	17.50	No
		134	5670	14.69	16.00	No
	802.11ac(VHT80)	106	5530	12.81	14.00	No
		122	5610	15.75	17.50	No
5.8 (5.725~5.850)	802.11a	149	5745	15.71	17.50	No
		157	5785	15.80	17.50	No
		165	5825	15.88	17.50	No
	802.11n(HT20)	149	5745	15.67	17.50	No
		157	5785	15.71	17.50	No
		165	5825	15.78	17.50	No
	802.11n(HT40)	151	5755	15.82	17.50	No
		159	5795	15.81	17.50	No
	802.11ac(VHT20)	149	5745	15.70	17.50	No
		157	5785	15.83	17.50	No
		165	5825	15.80	17.50	No
	802.11ac(VHT40)	151	5755	15.80	17.50	No
		159	5795	15.82	17.50	No
	802.11ac(VHT80)	155	5775	15.69	17.50	No
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.						

8.4.7 5G WIFI Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	11.26	13.00	No
		44	5220	13.66	15.50	No
		48	5240	13.78	15.50	No
	802.11n(HT20)	36	5180	13.62	15.50	No
		44	5220	13.70	15.50	No
		48	5240	13.79	15.50	No
	802.11n(HT40)	38	5190	12.21	14.00	No
		46	5230	13.89	15.50	No
	802.11ac(VHT20)	36	5180	13.05	15.00	No
		44	5220	13.70	15.50	No
		48	5240	13.60	15.50	No
	802.11ac(VHT40)	38	5190	13.32	15.00	No
		46	5230	13.69	15.50	No
	802.11ac(VHT80)	42	5210	11.24	13.00	No
5.3 (5.25~5.35)	802.11a	52	5260	13.76	15.50	No
		60	5300	13.66	15.50	No
		64	5320	13.61	15.50	No
	802.11n(HT20)	52	5260	13.80	15.50	No
		60	5300	13.69	15.50	No
		64	5320	13.65	15.50	No
	802.11n(HT40)	54	5270	**13.88**	15.50	Yes
		62	5310	13.12	15.00	Yes
	802.11ac(VHT20)	52	5260	13.77	15.50	No
		60	5300	13.63	15.50	No
		64	5320	13.70	15.50	No
	802.11ac(VHT40)	54	5270	13.80	15.50	No
		62	5310	13.72	15.00	No
	802.11ac(VHT80)	58	5290	10.51	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	13.72	15.50	No
		116	5580	13.61	15.50	No
		140	5700	13.79	15.00	No
	802.11n(HT20)	100	5500	13.60	15.50	No
		116	5580	13.68	15.50	No
		140	5700	13.63	15.00	No
	802.11n(HT40)	102	5510	12.82	14.00	No
		118	5590	13.75	15.50	No

		134	5670	13.67	15.50	No
	802.11ac(VHT20)	100	5500	13.71	15.00	No
		116	5580	13.70	15.50	No
		140	5700	12.53	14.00	No
	802.11ac(VHT40)	102	5510	12.22	14.00	No
		118	5590	13.75	15.50	No
		134	5670	13.63	15.50	No
	802.11ac(VHT80)	106	5530	12.81	14.00	Yes
		122	5610	**13.88**	15.50	Yes
5.8 (5.725~5.850)	802.11a	149	5745	14.00	15.50	No
		157	5785	14.24	15.50	No
		165	5825	14.07	15.50	No
	802.11n(HT20)	149	5745	13.97	15.50	No
		157	5785	13.96	15.50	No
		165	5825	14.04	15.50	No
	802.11n(HT40)	151	5755	13.98	15.50	No
		159	5795	14.10	15.50	No
	802.11ac(VHT20)	149	5745	13.96	15.50	No
		157	5785	14.23	15.50	No
		165	5825	13.97	15.50	No
	802.11ac(VHT40)	151	5755	14.16	15.50	No
		159	5795	14.02	15.50	No
	802.11ac(VHT80)	155	5775	**14.01**	15.50	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.						

8.4.8 5G WIFI Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	9.09	10.50	No
		44	5220	8.86	10.50	No
		48	5240	9.00	10.50	No
	802.11n(HT20)	36	5180	8.86	10.50	No
		44	5220	8.99	10.50	No
		48	5240	8.83	10.50	No
	802.11n(HT40)	38	5190	9.10	10.50	No
		46	5230	9.03	10.50	No
	802.11ac(VHT20)	36	5180	8.92	10.50	No
		44	5220	9.03	10.50	No
		48	5240	8.78	10.50	No
	802.11ac(VHT40)	38	5190	9.08	10.50	No
		46	5230	8.81	10.50	No
	802.11ac(VHT80)	42	5210	8.85	10.50	No
5.3 (5.25~5.35)	802.11a	52	5260	9.06	10.50	No
		60	5300	9.10	10.50	No
		64	5320	9.02	10.50	No
	802.11n(HT20)	52	5260	9.00	10.50	No
		60	5300	9.09	10.50	No
		64	5320	9.13	10.50	No
	802.11n(HT40)	54	5270	8.86	10.50	Yes
		62	5310	**9.11**	10.50	Yes
	802.11ac(VHT20)	52	5260	8.99	10.50	No
		60	5300	8.97	10.50	No
		64	5320	9.12	10.50	No
	802.11ac(VHT40)	54	5270	9.00	10.50	No
		62	5310	9.02	10.50	No
	802.11ac(VHT80)	58	5290	8.91	10.50	No
5.6 (5.47~5.725)	802.11a	100	5500	9.04	10.50	No
		116	5580	9.17	10.50	No
		140	5700	8.93	10.50	No
	802.11n(HT20)	100	5500	9.01	10.50	No
		116	5580	9.13	10.50	No
		140	5700	9.04	10.50	No
	802.11n(HT40)	102	5510	9.29	10.50	No
		118	5590	9.05	10.50	No

		134	5670	8.70	10.50	No
	802.11ac(VHT20)	100	5500	9.07	10.50	No
		116	5580	9.13	10.50	No
		140	5700	8.82	10.50	No
	802.11ac(VHT40)	102	5510	8.90	10.50	No
		118	5590	9.00	10.50	No
		134	5670	8.95	10.50	No
	802.11ac(VHT80)	106	5530	**8.84**	10.50	Yes
		122	5610	8.88	10.50	Yes
5.8 (5.725~5.850)	802.11a	149	5745	9.09	10.50	No
		157	5785	9.24	10.50	No
		165	5825	9.02	10.50	No
	802.11n(HT20)	149	5745	8.88	10.50	No
		157	5785	8.83	10.50	No
		165	5825	9.00	10.50	No
	802.11n(HT40)	151	5755	8.83	10.50	No
		159	5795	8.95	10.50	No
	802.11ac(VHT20)	149	5745	9.05	10.50	No
		157	5785	9.25	10.50	No
		165	5825	8.91	10.50	No
	802.11ac(VHT40)	151	5755	9.06	10.50	No
		159	5795	8.93	10.50	No
	802.11ac(VHT80)	155	5775	**8.91**	10.50	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.						

8.4.9 5G WIFI Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	11.26	13.00	No
		44	5220	15.74	17.50	No
		48	5240	15.84	17.50	No
	802.11n(HT20)	36	5180	15.72	17.50	No
		44	5220	15.69	17.50	No
		48	5240	15.64	17.50	No
	802.11n(HT40)	38	5190	12.21	14.00	Yes
		46	5230	**15.75**	17.50	Yes
	802.11ac(VHT20)	36	5180	13.05	15.00	No
		44	5220	15.68	17.50	No
		48	5240	15.65	17.50	No
	802.11ac(VHT40)	38	5190	13.32	15.00	No
		46	5230	15.72	17.50	No
	802.11ac(VHT80)	42	5210	11.24	13.00	No
5.3 (5.25~5.35)	802.11a	52	5260	15.70	17.50	No
		60	5300	15.78	17.50	No
		64	5320	15.83	17.50	No
	802.11n(HT20)	52	5260	15.61	17.50	No
		60	5300	15.67	17.50	No
		64	5320	15.66	17.50	No
	802.11n(HT40)	54	5270	**15.66**	17.50	Yes
		62	5310	13.12	15.00	Yes
	802.11ac(VHT20)	52	5260	15.69	17.50	No
		60	5300	15.63	17.50	No
		64	5320	15.74	17.50	No
	802.11ac(VHT40)	54	5270	15.64	17.50	No
		62	5310	13.72	15.00	No
	802.11ac(VHT80)	58	5290	10.51	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	15.80	17.50	No
		116	5580	15.93	17.50	No
		140	5700	13.79	15.00	No
	802.11n(HT20)	100	5500	15.72	17.50	No
		116	5580	15.81	17.50	No
		140	5700	13.63	15.00	No
	802.11n(HT40)	102	5510	12.82	14.00	No
		118	5590	15.75	17.50	No

		134	5670	14.24	16.00	No
	802.11ac(VHT20)	100	5500	13.71	15.00	No
		116	5580	15.73	17.50	No
		140	5700	12.53	14.00	No
	802.11ac(VHT40)	102	5510	12.22	14.00	No
		118	5590	15.79	17.50	No
		134	5670	14.69	16.00	No
	802.11ac(VHT80)	106	5530	12.81	14.00	Yes
		122	5610	**15.75**	17.50	Yes
5.8 (5.725~5.850)	802.11a	149	5745	15.71	17.50	No
		157	5785	15.80	17.50	No
		165	5825	15.88	17.50	No
	802.11n(HT20)	149	5745	15.67	17.50	No
		157	5785	15.71	17.50	No
		165	5825	15.78	17.50	No
	802.11n(HT40)	151	5755	15.82	17.50	No
		159	5795	15.81	17.50	No
	802.11ac(VHT20)	149	5745	15.70	17.50	No
		157	5785	15.83	17.50	No
		165	5825	15.80	17.50	No
	802.11ac(VHT40)	151	5755	15.80	17.50	No
		159	5795	15.82	17.50	No
	802.11ac(VHT80)	155	5775	**15.69**	17.50	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.						

8.4.10 5G WIFI Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	10.87	12.50	No
		44	5220	11.10	12.50	No
		48	5240	11.14	12.50	No
	802.11n(HT20)	36	5180	10.73	12.50	No
		44	5220	11.09	12.50	No
		48	5240	11.00	12.50	No
	802.11n(HT40)	38	5190	**11.05**	12.50	Yes
		46	5230	10.92	12.50	Yes
	802.11ac(VHT20)	36	5180	11.06	12.50	No
		44	5220	10.97	12.50	No
		48	5240	10.71	12.50	No
	802.11ac(VHT40)	38	5190	11.06	12.50	No
		46	5230	10.80	12.50	No
	802.11ac(VHT80)	42	5210	10.92	12.50	No
5.3 (5.25~5.35)	802.11a	52	5260	10.98	12.50	No
		60	5300	10.94	12.50	No
		64	5320	11.02	12.50	No
	802.11n(HT20)	52	5260	10.80	12.50	No
		60	5300	11.15	12.50	No
		64	5320	11.05	12.50	No
	802.11n(HT40)	54	5270	11.03	12.50	Yes
		62	5310	**11.18**	12.50	Yes
	802.11ac(VHT20)	52	5260	10.87	12.50	No
		60	5300	10.98	12.50	No
		64	5320	11.11	12.50	No
	802.11ac(VHT40)	54	5270	11.08	12.50	No
		62	5310	10.95	12.50	No
	802.11ac(VHT80)	58	5290	10.51	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	11.10	12.50	No
		116	5580	11.06	12.50	No
		140	5700	11.04	12.50	No
	802.11n(HT20)	100	5500	10.88	12.50	No
		116	5580	11.21	12.50	No
		140	5700	10.90	12.50	No
	802.11n(HT40)	102	5510	11.10	12.50	No
		118	5590	11.08	12.50	No

		134	5670	10.86	12.50	No
	802.11ac(VHT20)	100	5500	11.07	12.50	No
		116	5580	11.21	12.50	No
		140	5700	10.96	12.50	No
	802.11ac(VHT40)	102	5510	10.96	12.50	No
		118	5590	10.93	12.50	No
		134	5670	10.98	12.50	No
	802.11ac(VHT80)	106	5530	10.91	12.50	Yes
		122	5610	**10.98**	12.50	Yes
5.8 (5.725~5.850)	802.11a	149	5745	10.92	12.50	No
		157	5785	11.12	12.50	No
		165	5825	11.06	12.50	No
	802.11n(HT20)	149	5745	10.99	12.50	No
		157	5785	11.04	12.50	No
		165	5825	11.00	12.50	No
	802.11n(HT40)	151	5755	10.98	12.50	No
		159	5795	11.03	12.50	No
	802.11ac(VHT20)	149	5745	10.97	12.50	No
		157	5785	11.24	12.50	No
		165	5825	11.04	12.50	No
	802.11ac(VHT40)	151	5755	11.09	12.50	No
		159	5795	10.99	12.50	No
	802.11ac(VHT80)	155	5775	**10.96**	12.50	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.						

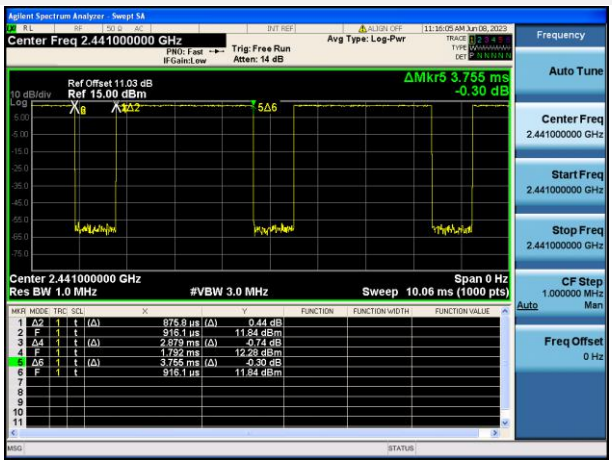
8.5 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	11.58	**12.27**	12.02	9.83	9.72	9.73
Tune-Up Limit (dBm)	13.50	14.00	14.00	11.00	11.00	11.00
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	9.57	9.84	9.66	/	/	/
Tune-Up Limit (dBm)	11.00	11.00	11.00	/	/	/
SAR Test Require	NO	NO	NO	NO	NO	NO
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	1	19	38
Frequency (MHz)	2402	2440	2480	2404	2440	2478
Average Power (dBm)	5.41	6.08	5.43	5.86	6.18	6.01
Tune-Up Limit (dBm)	7.00	8.00	7.00	7.00	8.00	8.00
SAR Test Require	NO	NO	NO	NO	NO	NO
Note 1: 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.						

The Bluetooth duty cycle GFSK is 76.67 % 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

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/Limbs 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.

WWAN Reduced power level table

Reduced State	Receiver state	Transmitting conditions
State2	On (Head scenario)	WWAN Only
State4	On (Head scenario)	WWAN+WLAN 2.4G WWAN+WLAN 5G+BT WWAN+BT WWAN+WLAN 5G
State1	Off (Body scenario)	WWAN Only
State3	Off (Body scenario)	WWAN+WLAN 2.4G WWAN+WLAN 5G+BT WWAN+BT WWAN+WLAN 5G

Mode	Antenna	WWAN Antenna Ant.1				
		Full Power	Head		Body	
			Receiver on		Receiver off	
			State2	State4	State1	State3
GSM 850	ANT1	33.20	32.20	31.20	33.20	31.20
GPRS850 1 Tx Slot	ANT1	33.20	32.20	31.20	33.20	31.20
GPRS850 2 Tx Slots	ANT1	30.20	29.20	28.20	30.20	28.20
GPRS850 3 Tx Slots	ANT1	28.20	27.20	26.20	28.20	26.20
GPRS850 4 Tx Slots	ANT1	27.20	26.20	25.20	27.20	25.20
EGPRS850 1 Tx Slot	ANT1	27.50	26.50	25.50	27.50	25.50
EGPRS850 2 Tx Slots	ANT1	25.50	24.50	23.50	25.50	23.50
EGPRS850 3 Tx Slots	ANT1	23.50	22.50	21.50	23.50	21.50
EGPRS850 4 Tx Slots	ANT1	23.00	22.00	21.00	23.00	21.00
GSM 1900	ANT1	28.70	27.20	26.20	28.70	26.70
GPRS1900 1 Tx Slot	ANT1	28.70	27.20	26.20	28.70	26.70
GPRS1900 2 Tx Slots	ANT1	25.70	24.20	23.20	25.70	23.70
GPRS1900 3 Tx Slots	ANT1	23.70	22.20	21.20	23.70	21.70
GPRS1900 4 Tx Slots	ANT1	22.70	21.20	20.20	22.70	20.70
EGPRS1900 1 Tx Slot	ANT1	25.20	23.70	22.70	25.20	23.20
EGPRS1900 2 Tx Slots	ANT1	23.30	21.80	20.80	23.30	21.30
EGPRS1900 3 Tx Slots	ANT1	21.20	19.70	18.70	21.20	19.20
EGPRS1900 4 Tx Slots	ANT1	20.70	19.20	18.20	20.70	18.70
WCDMA Band2 RMC	ANT1	19.00	16.50	15.50	19.00	17.00
AMR	ANT1	19.00	16.50	15.50	19.00	17.00
HSDPA Subtest-1	ANT1	18.00	15.50	14.50	18.00	16.00
HSDPA Subtest-2	ANT1	18.00	15.50	14.50	18.00	16.00
HSDPA Subtest-3	ANT1	17.50	15.00	14.00	17.50	15.50
HSDPA Subtest-4	ANT1	17.50	15.00	14.00	17.50	15.50
DC-HSDPA Subtest-1	ANT1	18.00	15.50	14.50	18.00	16.00
DC-HSDPA Subtest-2	ANT1	18.00	15.50	14.50	18.00	16.00
DC-HSDPA Subtest-3	ANT1	17.50	15.00	14.00	17.50	15.50
DC-HSDPA Subtest-4	ANT1	17.50	15.00	14.00	17.50	15.50
HSUPA Subtest-1	ANT1	17.10	14.60	13.60	17.10	15.10

HSUPA Subtest-2	ANT1	17.00	14.50	13.50	17.00	15.00
HSUPA Subtest-3	ANT1	17.80	15.30	14.30	17.80	15.80
HSUPA Subtest-4	ANT1	16.30	13.80	12.80	16.30	14.30
HSUPA Subtest-5	ANT1	18.00	15.50	14.50	18.00	16.00
HSPA+	ANT1	18.00	15.50	14.50	18.00	16.00
WCDMA Band4 RMC	ANT1	20.00	18.00	17.00	20.00	18.00
AMR	ANT1	20.00	18.00	17.00	20.00	18.00
HSDPA Subtest-1	ANT1	19.00	17.00	16.00	19.00	17.00
HSDPA Subtest-2	ANT1	19.00	17.00	16.00	19.00	17.00
HSDPA Subtest-3	ANT1	18.50	16.50	15.50	18.50	16.50
HSDPA Subtest-4	ANT1	18.50	16.50	15.50	18.50	16.50
DC-HSDPA Subtest-1	ANT1	19.00	17.00	16.00	19.00	17.00
DC-HSDPA Subtest-2	ANT1	19.00	17.00	16.00	19.00	17.00
DC-HSDPA Subtest-3	ANT1	18.50	16.50	15.50	18.50	16.50
DC-HSDPA Subtest-4	ANT1	18.50	16.50	15.50	18.50	16.50
HSUPA Subtest-1	ANT1	18.00	16.00	15.00	18.00	16.00
HSUPA Subtest-2	ANT1	18.00	16.00	15.00	18.00	16.00
HSUPA Subtest-3	ANT1	18.80	16.80	15.80	18.80	16.80
HSUPA Subtest-4	ANT1	17.30	15.30	14.30	17.30	15.30
HSUPA Subtest-5	ANT1	19.00	17.00	16.00	19.00	17.00
HSPA+	ANT1	19.00	17.00	16.00	19.00	17.00
WCDMA Band5 RMC	ANT1	23.50	22.50	21.50	23.50	21.50
AMR	ANT1	23.50	22.50	21.50	23.50	21.50
HSDPA Subtest-1	ANT1	22.50	21.50	20.50	22.50	20.50
HSDPA Subtest-2	ANT1	22.50	21.50	20.50	22.50	20.50
HSDPA Subtest-3	ANT1	22.00	21.00	20.00	22.00	20.00
HSDPA Subtest-4	ANT1	22.00	21.00	20.00	22.00	20.00
DC-HSDPA Subtest-1	ANT1	22.50	21.50	20.50	22.50	20.50
DC-HSDPA Subtest-2	ANT1	22.50	21.50	20.50	22.50	20.50
DC-HSDPA Subtest-3	ANT1	22.00	21.00	20.00	22.00	20.00
DC-HSDPA Subtest-4	ANT1	22.00	21.00	20.00	22.00	20.00
HSUPA Subtest-1	ANT1	22.10	21.10	20.10	22.10	20.10
HSUPA Subtest-2	ANT1	21.50	20.50	19.50	21.50	19.50
HSUPA Subtest-3	ANT1	22.80	21.80	20.80	22.80	20.80

HSUPA Subtest-4	ANT1	21.30	20.30	19.30	21.30	19.30
HSUPA Subtest-5	ANT1	22.50	21.50	20.50	22.50	20.50
HSPA+	ANT1	22.50	21.50	20.50	22.50	20.50
LTE Band2	ANT1	19.50	17.50	16.50	19.50	17.50
LTE Band4	ANT1	20.00	18.00	17.00	20.00	18.00
LTE Band5	ANT1	24.00	22.50	21.50	24.00	22.00
LTE Band7	ANT1	20.50	17.00	16.00	20.50	18.50
LTE Band12	ANT1	23.50	23.50	23.50	23.50	23.50
LTE Band13	ANT1	23.50	23.50	23.50	23.50	22.50
LTE Band17	ANT1	23.50	23.50	23.50	23.50	23.50
LTE Band26	ANT1	24.00	23.00	22.00	24.00	22.00
LTE Band66	ANT1	20.00	18.00	17.00	20.00	18.00
LTE Band38	ANT1	22.50	18.50	17.50	22.50	20.50
LTE Band41	ANT1	22.50	18.50	17.50	22.50	20.50

Mode	Antenna	WWAN Antenna Ant.0				
		Full Power	Head		Body	
			Receiver on		Receiver off	
			State2	State4	State1	State3
GSM 850	ANT0	33.70	33.70	33.70	33.70	32.20
GPRS850 1 Tx Slot	ANT0	33.70	33.70	33.70	33.70	32.20
GPRS850 2 Tx Slots	ANT0	30.70	30.70	30.70	30.70	29.20
GPRS850 3 Tx Slots	ANT0	28.70	28.70	28.70	28.70	27.20
GPRS850 4 Tx Slots	ANT0	27.70	27.70	27.70	27.70	26.20
EGPRS850 1 Tx Slot	ANT0	28.00	28.00	28.00	28.00	26.50
EGPRS850 2 Tx Slots	ANT0	26.00	26.00	26.00	26.00	24.50
EGPRS850 3 Tx Slots	ANT0	24.00	24.00	24.00	24.00	22.50
EGPRS850 4 Tx Slots	ANT0	23.50	23.50	23.50	23.50	22.00
GSM 1900	ANT0	30.50	30.50	30.50	30.50	29.50
GPRS1900 1 Tx Slot	ANT0	30.50	30.50	30.50	30.50	29.50
GPRS1900 2 Tx Slots	ANT0	27.50	27.50	27.50	27.50	26.50
GPRS1900 3 Tx Slots	ANT0	25.50	25.50	25.50	25.50	24.50
GPRS1900 4 Tx Slots	ANT0	25.00	25.00	25.00	25.00	24.00
EGPRS1900 1 Tx Slot	ANT0	27.00	27.00	27.00	27.00	26.00
EGPRS1900 2 Tx Slots	ANT0	25.00	25.00	25.00	25.00	24.00
EGPRS1900 3 Tx Slots	ANT0	23.00	23.00	23.00	23.00	22.00
EGPRS1900 4 Tx Slots	ANT0	22.50	22.50	22.50	22.50	21.50
WCDMA Band2 RMC	ANT0	24.30	24.30	24.30	21.30	19.80
AMR	ANT0	24.30	24.30	24.30	21.30	19.80
HSDPA Subtest-1	ANT0	23.30	23.30	23.30	20.30	18.80
HSDPA Subtest-2	ANT0	23.30	23.30	23.30	20.30	18.80
HSDPA Subtest-3	ANT0	22.80	22.80	22.80	19.80	18.30
HSDPA Subtest-4	ANT0	22.80	22.80	22.80	19.80	18.30
DC-HSDPA Subtest-1	ANT0	23.30	23.30	23.30	20.30	18.80
DC-HSDPA Subtest-2	ANT0	23.30	23.30	23.30	20.30	18.80
DC-HSDPA Subtest-3	ANT0	22.80	22.80	22.80	19.80	18.30
DC-HSDPA Subtest-4	ANT0	22.80	22.80	22.80	19.80	18.30
HSUPA Subtest-1	ANT0	22.30	22.30	22.30	19.30	17.80

HSUPA Subtest-2	ANT0	22.30	22.30	22.30	19.30	17.80
HSUPA Subtest-3	ANT0	22.80	22.80	22.80	19.80	18.30
HSUPA Subtest-4	ANT0	21.80	21.80	21.80	18.80	17.30
HSUPA Subtest-5	ANT0	22.80	22.80	22.80	19.80	18.30
HSPA+	ANT0	23.30	23.30	23.30	20.30	18.80
WCDMA Band4 RMC	ANT0	24.30	24.30	24.30	20.80	18.80
AMR	ANT0	24.30	24.30	24.30	20.80	18.80
HSDPA Subtest-1	ANT0	23.30	23.30	23.30	19.80	17.80
HSDPA Subtest-2	ANT0	23.30	23.30	23.30	19.80	17.80
HSDPA Subtest-3	ANT0	22.80	22.80	22.80	19.30	17.30
HSDPA Subtest-4	ANT0	22.80	22.80	22.80	19.30	17.30
DC-HSDPA Subtest-1	ANT0	23.30	23.30	23.30	19.80	17.80
DC-HSDPA Subtest-2	ANT0	23.30	23.30	23.30	19.80	17.80
DC-HSDPA Subtest-3	ANT0	22.80	22.80	22.80	19.30	17.30
DC-HSDPA Subtest-4	ANT0	22.80	22.80	22.80	19.30	17.30
HSUPA Subtest-1	ANT0	22.30	22.30	22.30	18.80	16.80
HSUPA Subtest-2	ANT0	22.30	22.30	22.30	18.80	16.80
HSUPA Subtest-3	ANT0	22.80	22.80	22.80	19.30	17.30
HSUPA Subtest-4	ANT0	21.80	21.80	21.80	18.30	16.30
HSUPA Subtest-5	ANT0	22.80	22.80	22.80	19.30	17.30
HSPA+	ANT0	23.30	23.30	23.30	19.80	17.80
WCDMA Band5 RMC	ANT0	24.80	24.80	24.80	23.80	21.80
AMR	ANT0	24.80	24.80	24.80	23.80	21.80
HSDPA Subtest-1	ANT0	23.80	23.80	23.80	22.80	20.80
HSDPA Subtest-2	ANT0	23.80	23.80	23.80	22.80	20.80
HSDPA Subtest-3	ANT0	23.30	23.30	23.30	22.30	20.30
HSDPA Subtest-4	ANT0	23.30	23.30	23.30	22.30	20.30
DC-HSDPA Subtest-1	ANT0	23.80	23.80	23.80	22.80	20.80
DC-HSDPA Subtest-2	ANT0	23.80	23.80	23.80	22.80	20.80
DC-HSDPA Subtest-3	ANT0	23.30	23.30	23.30	22.30	20.30
DC-HSDPA Subtest-4	ANT0	23.30	23.30	23.30	22.30	20.30
HSUPA Subtest-1	ANT0	23.10	23.10	23.10	22.10	20.10
HSUPA Subtest-2	ANT0	22.80	22.80	22.80	21.80	19.80
HSUPA Subtest-3	ANT0	23.80	23.80	23.80	22.80	20.80

HSUPA Subtest-4	ANT0	22.30	22.30	22.30	21.30	19.30
HSUPA Subtest-5	ANT0	23.80	23.80	23.80	22.80	20.80
HSPA+	ANT0	23.80	23.80	23.80	22.80	20.80
LTE Band2	ANT0	23.80	23.80	23.80	21.80	20.30
LTE Band4	ANT0	23.30	23.30	23.30	20.80	18.80
LTE Band5	ANT0	24.80	24.80	24.80	24.80	22.80
LTE Band7	ANT0	23.80	23.80	23.80	23.30	21.30
LTE Band12	ANT0	23.80	23.80	23.80	23.80	22.80
LTE Band13	ANT0	23.80	23.80	23.80	23.80	23.80
LTE Band17	ANT0	23.80	23.80	23.80	23.80	22.80
LTE Band26	ANT0	24.80	24.80	24.80	24.80	22.80
LTE Band66	ANT0	23.30	23.30	23.30	20.80	18.80
LTE Band38	ANT0	24.30	24.30	24.30	24.30	23.30
LTE Band41	ANT0	23.80	23.80	23.80	23.80	23.30

WLAN&BT Reduced power level table

Reduced State	Receiver state	Transmitting conditions
Level1	On (Head scenario)	WLAN 2.4G Only WLAN 5G Only BT Only WIFI5G+BT
Level2	On (Head scenario)	WLAN2.4G+WWAN WLAN5G+WWAN WWAN+BT WWAN+WIFI5G+BT
Level3	Off (Body scenario)	WLAN 2.4G Only WLAN 5G Only BT Only WIFI5G+BT
Level4	Off (Body scenario)	WLAN2.4G+WWAN WLAN5G+WWAN WWAN+BT WWAN+WIFI5G+BT

Mode	Antenna	WLAN Antenna				
		Full Power	Head		Body	
			Receiver on		Receiver off	
			Level1	Level2	Level3	Level4
2.4G WLAN 802.11b	ANT2	17.00	15.00	10.00	17.00	15.00
2.4G WLAN 802.11g	ANT2	18.00	15.00	10.00	18.00	15.00
2.4G WLAN 802.11n20	ANT2	18.50	15.00	10.00	18.50	15.00
2.4G WLAN 802.11n40	ANT2	17.00	15.00	10.00	17.00	15.00
2.4G WLAN 802.11ac20	ANT2	17.00	15.00	10.00	17.00	15.00
2.4G WLAN 802.11ac40	ANT2	17.00	15.00	10.00	17.00	15.00
5.2G WLAN 802.11a	ANT2	17.50	15.50	10.50	17.50	12.50
5.2G WLAN 802.11n20	ANT2	17.50	15.50	10.50	17.50	12.50
5.2G WLAN 802.11n40	ANT2	17.50	15.50	10.50	17.50	12.50
5.2G WLAN 802.11ac20	ANT2	17.50	15.50	10.50	17.50	12.50
5.2G WLAN 802.11ac40	ANT2	17.50	15.50	10.50	17.50	12.50
5.2G WLAN 802.11ac80	ANT2	13.00	13.00	10.50	13.00	12.50
5.3G WLAN 802.11a	ANT2	17.50	15.50	10.50	17.50	12.50
5.3G WLAN 802.11n20	ANT2	17.50	15.50	10.50	17.50	12.50
5.3G WLAN 802.11n40	ANT2	17.50	15.50	10.50	17.50	12.50
5.3G WLAN 802.11ac20	ANT2	17.50	15.50	10.50	17.50	12.50
5.3G WLAN 802.11ac40	ANT2	17.50	15.50	10.50	17.50	12.50
5.3G WLAN 802.11ac80	ANT2	12.00	12.00	10.50	12.00	12.00
5.6G WLAN 802.11a	ANT2	17.50	15.50	10.50	17.50	12.50
5.6G WLAN 802.11n20	ANT2	17.50	15.50	10.50	17.50	12.50
5.6G WLAN 802.11n40	ANT2	17.50	15.50	10.50	17.50	12.50
5.6G WLAN 802.11ac20	ANT2	17.50	15.50	10.50	17.50	12.50
5.6G WLAN 802.11ac40	ANT2	17.50	15.50	10.50	17.50	12.50
5.6G WLAN 802.11ac80	ANT2	17.50	15.50	10.50	17.50	12.50
5.8G WLAN 802.11a	ANT2	17.50	15.50	10.50	17.50	12.50
5.8G WLAN 802.11n20	ANT2	17.50	15.50	10.50	17.50	12.50
5.8G WLAN 802.11n40	ANT2	17.50	15.50	10.50	17.50	12.50
5.8G WLAN 802.11ac20	ANT2	17.50	15.50	10.50	17.50	12.50

5.8G WLAN 802.11ac40	ANT2	17.50	15.50	10.50	17.50	12.50
5.8G WLAN 802.11ac80	ANT2	17.50	15.50	10.50	17.50	12.50
Bluetooth	ANT2	14.00	14.00	14.00	14.00	14.00

9 TEST EXCLUSION CONSIDERATION

Please refer the document “BL-SZ2350627-AA.pdf”.

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			<5mm	<5mm	<5mm	<5mm	155mm	<5mm
	Voice	33.70	2344.23	Yes	Yes	Yes	Yes	No	Yes
	Data	30.70	1174.90	Yes	Yes	Yes	Yes	No	Yes
GSM 1900	Distance to User			<5mm	<5mm	<5mm	<5mm	155mm	<5mm
	Voice	30.50	1122.02	Yes	Yes	Yes	Yes	No	Yes
	Data	25.00	316.22	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	155mm	<5mm
	RMC	24.30	269.15	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	155mm	<5mm
	RMC	24.30	269.15	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	155mm	<5mm
	RMC	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
LTE Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	155mm	<5mm
	QPSK	23.80	239.88	Yes	Yes	Yes	Yes	No	Yes
LTE Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	155mm	<5mm
	QPSK	23.30	213.80	Yes	Yes	Yes	Yes	No	Yes
LTE Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	155mm	<5mm
	QPSK	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
LTE Band 7	Distance to User			<5mm	<5mm	<5mm	<5mm	155mm	<5mm
	QPSK	23.80	239.88	Yes	Yes	Yes	Yes	No	Yes
LTE Band 12	Distance to User			<5mm	<5mm	<5mm	<5mm	155mm	<5mm
	QPSK	23.80	239.88	Yes	Yes	Yes	Yes	No	Yes
LTE Band 13	Distance to User			<5mm	<5mm	<5mm	<5mm	155mm	<5mm
	QPSK	23.80	239.88	Yes	Yes	Yes	Yes	No	Yes
LTE Band 17	Distance to User			<5mm	<5mm	<5mm	<5mm	155mm	<5mm
	QPSK	23.80	239.88	Yes	Yes	Yes	Yes	No	Yes
LTE Band 26	Distance to User			<5mm	<5mm	<5mm	<5mm	155mm	<5mm
	QPSK	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
LTE Band 66	Distance to User			<5mm	<5mm	<5mm	<5mm	155mm	<5mm
	QPSK	23.30	213.80	Yes	Yes	Yes	Yes	No	Yes
LTE Band 38	Distance to User			<5mm	<5mm	<5mm	<5mm	155mm	<5mm
	QPSK	24.30	269.15	Yes	Yes	Yes	Yes	No	Yes

LTE Band 41	Distance to User			<5mm	<5mm	<5mm	<5mm	155mm	<5mm
	QPSK	23.80	239.88	Yes	Yes	Yes	Yes	No	Yes

Antenna 1:

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			<5mm	<5mm	31mm	<5mm	<5mm	154mm
	Voice	33.70	2344.23	Yes	Yes	No	Yes	Yes	No
	Data	30.70	1174.90	Yes	Yes	No	Yes	Yes	No
GSM 1900	Distance to User			<5mm	<5mm	31mm	<5mm	<5mm	154mm
	Voice	30.20	1047.13	Yes	Yes	No	Yes	Yes	No
	Data	27.20	524.81	Yes	Yes	No	Yes	Yes	No
WCDMA Band 2	Distance to User			<5mm	<5mm	31mm	<5mm	<5mm	154mm
	RMC	24.00	251.19	Yes	Yes	No	Yes	Yes	No
WCDMA Band 4	Distance to User			<5mm	<5mm	31mm	<5mm	<5mm	154mm
	RMC	24.00	251.19	Yes	Yes	No	Yes	Yes	No
WCDMA Band 5	Distance to User			<5mm	<5mm	31mm	<5mm	<5mm	154mm
	RMC	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 2	Distance to User			<5mm	<5mm	31mm	<5mm	<5mm	154mm
	QPSK	23.50	223.87	Yes	Yes	No	Yes	Yes	No
LTE Band 4	Distance to User			<5mm	<5mm	31mm	<5mm	<5mm	154mm
	QPSK	23.00	199.53	Yes	Yes	No	Yes	Yes	No
LTE Band 5	Distance to User			<5mm	<5mm	31mm	<5mm	<5mm	154mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 7	Distance to User			<5mm	<5mm	31mm	<5mm	<5mm	154mm
	QPSK	23.50	223.87	Yes	Yes	No	Yes	Yes	No
LTE Band 12	Distance to User			<5mm	<5mm	31mm	<5mm	<5mm	154mm
	QPSK	23.50	223.87	Yes	Yes	No	Yes	Yes	No
LTE Band 13	Distance to User			<5mm	<5mm	31mm	<5mm	<5mm	154mm
	QPSK	23.50	223.87	Yes	Yes	No	Yes	Yes	No
LTE Band 17	Distance to User			<5mm	<5mm	31mm	<5mm	<5mm	154mm
	QPSK	23.50	223.87	Yes	Yes	No	Yes	Yes	No
LTE Band 26	Distance to User			<5mm	<5mm	31mm	<5mm	<5mm	154mm
	QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
LTE Band 66	Distance to User			<5mm	<5mm	31mm	<5mm	<5mm	154mm
	QPSK	23.00	199.53	Yes	Yes	No	Yes	Yes	No
LTE Band 38	Distance to User			<5mm	<5mm	31mm	<5mm	<5mm	154mm
	QPSK	24.00	251.19	Yes	Yes	No	Yes	Yes	No
LTE Band 41	Distance to User			<5mm	<5mm	31mm	<5mm	<5mm	154mm
	QPSK	23.50	223.87	Yes	Yes	No	Yes	Yes	No

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 2.4G	Distance to User			<5mm	<5mm	<5mm	66mm	<5mm	150mm
	802.11b	17.00	50.12	Yes	Yes	Yes	No	Yes	No
	802.11g	18.00	63.10	No	No	No	No	No	No
	802.11n(HT20)	18.50	70.79	No	No	No	No	No	No
	802.11n(HT40)	17.00	50.12	No	No	No	No	No	No
	VHT(20 MHz)	17.00	50.12	No	No	No	No	No	No
	VHT(20 MHz)	17.00	50.12	No	No	No	No	No	No
WLAN 5.2G	Distance to User			<5mm	<5mm	<5mm	66mm	<5mm	150mm
	802.11a	17.50	56.23	No	No	No	No	No	No
	802.11n(HT20)	17.50	56.23	No	No	No	No	No	No
	802.11n(HT40)	17.50	56.23	No	No	No	No	No	No
	802.11ac(VHT20)	17.50	56.23	No	No	No	No	No	No
	802.11ac(VHT40)	17.50	56.23	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT80)	13.00	19.95	No	No	No	No	No	No
WLAN 5.3G	Distance to User			<5mm	<5mm	<5mm	66mm	<5mm	150mm
	802.11a	17.50	56.23	No	No	No	No	No	No
	802.11n(HT20)	17.50	56.23	No	No	No	No	No	No
	802.11n(HT40)	17.50	56.23	No	No	No	No	No	No
	802.11ac(VHT20)	17.50	56.23	No	No	No	No	No	No
	802.11ac(VHT40)	17.50	56.23	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT80)	12.00	15.85	No	No	No	No	No	No
WLAN 5.6G	Distance to User			<5mm	<5mm	<5mm	66mm	<5mm	150mm
	802.11a	17.50	56.23	No	No	No	No	No	No
	802.11n(HT20)	17.50	56.23	No	No	No	No	No	No
	802.11n(HT40)	17.50	56.23	No	No	No	No	No	No
	802.11ac(VHT20)	17.50	56.23	No	No	No	No	No	No
	802.11ac(VHT40)	17.50	56.23	No	No	No	No	No	No
	802.11ac(VHT80)	17.50	56.23	Yes	Yes	Yes	Yes	Yes	Yes
WLAN 5.8G	Distance to User			<5mm	<5mm	<5mm	66mm	<5mm	150mm
	802.11a	17.50	56.23	No	No	No	No	No	No
	802.11n(HT20)	17.50	56.23	No	No	No	No	No	No
	802.11n(HT40)	17.50	56.23	No	No	No	No	No	No
	802.11ac(VHT20)	17.50	56.23	No	No	No	No	No	No
	802.11ac(VHT40)	17.50	56.23	No	No	No	No	No	No
	802.11ac(VHT80)	17.50	56.23	Yes	Yes	Yes	No	Yes	No
Bluetooth	Distance to User			<5mm	<5mm	<5mm	66mm	<5mm	150mm
	BR+EDR	14.00	25.12	Yes	Yes	Yes	No	Yes	No
	BLE	8.00	6.31	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 D01 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 TEST RESULT

10.1GSM 850

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	state2	DATA 2slots	Left Cheek	0	128	824.2	-0.18	0.366	28.48	29.20	1.180	0.432	/
	state2		Left Tilt	0	128	824.2	-0.11	0.309	28.48	29.20	1.180	0.365	/
	state2		Right Cheek	0	128	824.2	-0.04	0.681	28.48	29.20	1.180	0.804	/
	state2		Right Tilt	0	128	824.2	-0.19	0.402	28.48	29.20	1.180	0.474	/
	state2		Right Cheek	0	190	836.6	0.07	0.635	28.45	29.20	1.189	0.755	/
	state2		Right Cheek	0	251	848.8	-0.18	0.723	28.47	29.20	1.183	**0.855**	1#
Ant.1	state4	DATA 2slots	Left Cheek	0	128	824.2	0.10	0.291	27.48	28.20	1.180	0.343	/
	state4		Left Tilt	0	128	824.2	0.11	0.245	27.48	28.20	1.180	0.289	/
	state4		Right Cheek	0	128	824.2	0.07	0.427	27.48	28.20	1.180	0.504	/
	state4		Right Tilt	0	128	824.2	-0.17	0.319	27.48	28.20	1.180	0.376	/
Ant.0	state2&4	DATA 2slots	Left Cheek	0	128	824.2	0.03	0.143	29.88	30.70	1.208	0.173	/
	state2&4		Left Tilt	0	128	824.2	-0.16	0.084	29.88	30.70	1.208	0.101	/
	state2&4		Right Cheek	0	128	824.2	-0.14	0.122	29.88	30.70	1.208	0.147	/
	state2&4		Right Tilt	0	128	824.2	0.02	0.060	29.88	30.70	1.208	0.072	/
Body-worn													
Ant.1	state1	DATA 2slots	Front Side	15	128	824.2	-0.17	0.050	29.54	30.20	1.164	0.058	/
	state1		Back Side	15	128	824.2	-0.09	0.058	29.54	30.20	1.164	0.068	/
Ant.0	state1	DATA 2slots	Front Side	15	128	824.2	-0.10	0.094	29.88	30.70	1.208	0.114	/
	state1		Back Side	15	128	824.2	-0.17	0.135	29.88	30.70	1.208	**0.163**	2#
Hotspot													
Ant.1	state3	DATA 2slots	Front Side	10	128	824.2	-0.02	0.073	27.48	28.20	1.180	0.086	/
	state3		Back Side	10	128	824.2	0.00	0.091	27.48	28.20	1.180	0.107	/
	state3		Right Edge	10	128	824.2	-0.12	0.031	27.48	28.20	1.180	0.037	/
	state3		Top Edge	10	128	824.2	-0.10	0.085	27.48	28.20	1.180	0.100	/
Ant.0	state3	DATA 2slots	Front Side	10	128	824.2	-0.16	0.070	28.65	29.20	1.135	0.079	/
	state3		Back Side	10	128	824.2	-0.09	0.150	28.65	29.20	1.135	**0.170**	3#
	state3		Left Edge	10	128	824.2	-0.11	0.051	28.65	29.20	1.135	0.058	/
	state3		Right Edge	10	128	824.2	-0.10	0.081	28.65	29.20	1.135	0.092	/
	state3		Bottom Edge	10	128	824.2	-0.16	0.104	28.65	29.20	1.135	0.118	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.2 GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	state2	DATA 2slots	Left Cheek	0	661	1880	-0.19	0.486	23.54	24.20	1.164	0.566	/
	state2		Left Tilt	0	661	1880	0.12	0.570	23.54	24.20	1.164	0.663	/
	state2		Right Cheek	0	661	1880	0.12	0.681	23.54	24.20	1.164	0.793	/
	state2		Right Tilt	0	661	1880	-0.03	0.813	23.54	24.20	1.164	0.946	/
	state2		Right Tilt	0	512	1850.2	-0.13	0.744	23.36	24.20	1.213	0.902	/
	state2		Right Tilt	0	810	1909.8	-0.07	0.849	23.51	24.20	1.172	**0.995**	4#
Ant.1	state4	DATA 2slots	Left Cheek	0	661	1880	0.05	0.386	23.04	23.20	1.038	0.401	/
	state4		Left Tilt	0	661	1880	-0.04	0.453	23.04	23.20	1.038	0.470	/
	state4		Right Cheek	0	661	1880	0.16	0.587	23.04	23.20	1.038	0.609	/
	state4		Right Tilt	0	661	1880	0.13	0.646	23.04	23.20	1.038	0.671	/
	state4		Right Tilt	0	512	1850.2	0.15	0.591	22.89	23.20	1.074	0.635	/
	state4		Right Tilt	0	810	1909.8	0.19	0.673	23.01	23.20	1.045	0.703	/
Ant.0	state2&4	DATA 4slots	Left Cheek	0	661	1880	-0.14	0.062	23.67	25.00	1.358	0.084	/
	state2&4		Left Tilt	0	661	1880	-0.07	0.043	23.67	25.00	1.358	0.058	/
	state2&4		Right Cheek	0	661	1880	-0.15	0.053	23.67	25.00	1.358	0.072	/
	state2&4		Right Tilt	0	661	1880	-0.04	0.035	23.67	25.00	1.358	0.048	/
Head-Repeated SAR													
Ant.1	state2	DATA 2slots	Right Tilt	0	810	1909.8	0.06	0.826	23.51	24.20	1.172	0.968	/
Body-worn													
Ant.1	state1	DATA 2slots	Front Side	15	661	1880	0.07	0.131	25.34	25.70	1.086	0.142	/
	state1		Back Side	15	661	1880	0.19	0.174	25.34	25.70	1.086	0.189	/
Ant.0	state1	DATA 4slots	Front Side	15	661	1880	-0.04	0.095	23.67	25.00	1.358	0.129	/
	state1		Back Side	15	661	1880	0.03	0.195	23.67	25.00	1.358	**0.265**	5#
Hotspot													
Ant.1	state3	DATA 2slots	Front Side	10	661	1880	-0.18	0.155	23.54	23.70	1.038	0.161	/
	state3		Back Side	10	661	1880	-0.02	0.221	23.54	23.70	1.038	0.229	/
	state3		Right Edge	10	661	1880	0.11	0.051	23.54	23.70	1.038	0.053	/
	state3		Top Edge	10	661	1880	0.05	0.301	23.54	23.70	1.038	0.312	/
Ant.0	state3	DATA 4slots	Front Side	10	661	1880	0.16	0.145	23.12	24.00	1.225	0.178	/
	state3		Back Side	10	661	1880	0.08	0.276	23.12	24.00	1.225	0.338	/
	state3		Left Edge	10	661	1880	-0.15	0.083	23.12	24.00	1.225	0.102	/
	state3		Right Edge	10	661	1880	0.19	0.051	23.12	24.00	1.225	0.062	/
	state3		Bottom Edge	10	661	1880	-0.06	0.367	23.12	24.00	1.225	**0.450**	6#

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

10.3WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	state2	RMC	Left Cheek	0	9400	1880	-0.12	0.363	15.98	16.50	1.127	0.409	/
	state2		Left Tilt	0	9400	1880	-0.15	0.436	15.98	16.50	1.127	0.491	/
	state2		Right Cheek	0	9400	1880	-0.14	0.599	15.98	16.50	1.127	0.675	/
	state2		Right Tilt	0	9400	1880	-0.14	0.650	15.98	16.50	1.127	**0.733**	7#
Ant.1	state4	RMC	Left Cheek	0	9400	1880	0.13	0.288	14.97	15.50	1.130	0.325	/
	state4		Left Tilt	0	9400	1880	0.14	0.347	14.97	15.50	1.130	0.392	/
	state4		Right Cheek	0	9400	1880	-0.14	0.476	14.97	15.50	1.130	0.538	/
	state4		Right Tilt	0	9400	1880	0.15	0.514	14.97	15.50	1.130	0.581	/
Ant.0	state2&4	RMC	Left Cheek	0	9400	1880	0.17	0.142	23.29	24.30	1.262	0.179	/
	state2&4		Left Tilt	0	9400	1880	-0.10	0.096	23.29	24.30	1.262	0.121	/
	state2&4		Right Cheek	0	9400	1880	-0.17	0.122	23.29	24.30	1.262	0.154	/
	state2&4		Right Tilt	0	9400	1880	-0.18	0.075	23.29	24.30	1.262	0.095	/
Body-worn													
Ant.1	state1	RMC	Front Side	15	9400	1880	-0.02	0.132	18.48	19.00	1.127	0.149	/
	state1		Back Side	15	9400	1880	-0.14	0.176	18.48	19.00	1.127	0.198	/
Ant.0	state1	RMC	Front Side	15	9400	1880	0.05	0.100	20.69	21.30	1.151	0.115	/
	state1		Back Side	15	9400	1880	0.02	0.225	20.69	21.30	1.151	**0.259**	8#
Hotspot													
Ant.1	state3	RMC	Front Side	10	9400	1880	0.05	0.168	16.45	17.00	1.135	0.191	/
	state3		Back Side	10	9400	1880	-0.17	0.223	16.45	17.00	1.135	0.253	/
	state3		Right Edge	10	9400	1880	-0.05	0.048	16.45	17.00	1.135	0.054	/
	state3		Top Edge	10	9400	1880	0.07	0.299	16.45	17.00	1.135	0.339	/
Ant.0	state3	RMC	Front Side	10	9400	1880	0.08	0.129	19.26	19.80	1.132	0.146	/
	state3		Back Side	10	9400	1880	0.18	0.260	19.26	19.80	1.132	0.294	/
	state3		Left Edge	10	9400	1880	0.17	0.088	19.26	19.80	1.132	0.100	/
	state3		Right Edge	10	9400	1880	0.00	0.044	19.26	19.80	1.132	0.050	/
	state3		Bottom Edge	10	9400	1880	-0.06	0.368	19.26	19.80	1.132	**0.417**	9#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.1	state1	RMC	Top Edge	0	9400	1880	0.00	1.220	18.48	19.00	1.127	**1.375**	10#
Ant.1	state3	RMC	Top Edge	0	9400	1880	0.11	0.749	16.45	17.00	1.135	0.850	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.4WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	state2	RMC	Left Cheek	0	1312	1712.4	0.11	0.454	17.42	18.00	1.143	0.519	/
	state2		Left Tilt	0	1312	1712.4	0.19	0.502	17.42	18.00	1.143	0.574	/
	state2		Right Cheek	0	1312	1712.4	-0.17	0.692	17.42	18.00	1.143	0.791	/
	state2		Right Tilt	0	1312	1712.4	-0.13	0.809	17.42	18.00	1.143	**0.925**	11#
	state2		Right Tilt	0	1412	1732.4	-0.03	0.756	17.31	18.00	1.172	0.886	/
	state2		Right Tilt	0	1513	1752.6	0.10	0.761	17.32	18.00	1.169	0.890	/
Ant.1	state4	RMC	Left Cheek	0	1312	1712.4	0.00	0.361	16.40	17.00	1.148	0.414	/
	state4		Left Tilt	0	1312	1712.4	0.17	0.398	16.40	17.00	1.148	0.457	/
	state4		Right Cheek	0	1312	1712.4	0.04	0.619	16.40	17.00	1.148	0.711	/
	state4		Right Tilt	0	1312	1712.4	-0.18	0.642	16.40	17.00	1.148	0.737	/
Ant.0	state2&4	RMC	Left Cheek	0	1312	1712.4	-0.04	0.132	23.45	24.30	1.216	0.161	/
	state2&4		Left Tilt	0	1312	1712.4	0.06	0.053	23.45	24.30	1.216	0.064	/
	state2&4		Right Cheek	0	1312	1712.4	0.02	0.108	23.45	24.30	1.216	0.131	/
	state2&4		Right Tilt	0	1312	1712.4	-0.03	0.062	23.45	24.30	1.216	0.075	/
Head-Repeated SAR													
Ant.1	state2	RMC	Right Tilt	0	1312	1712.4	0.11	0.801	17.42	18.00	1.143	0.916	/
Body-worn													
Ant.1	state1	RMC	Front Side	15	1312	1712.4	0.18	0.160	19.55	20.00	1.109	0.177	/
	state1		Back Side	15	1312	1712.4	0.03	0.233	19.55	20.00	1.109	**0.258**	12#
Ant.0	state1	RMC	Front Side	15	1312	1712.4	0.16	0.092	20.07	20.80	1.183	0.109	/
	state1		Back Side	15	1312	1712.4	0.02	0.178	20.07	20.80	1.183	0.211	/
Hotspot													
Ant.1	state3	RMC	Front Side	10	1312	1712.4	-0.19	0.193	17.42	18.00	1.143	0.221	/
	state3		Back Side	10	1312	1712.4	0.05	0.245	17.42	18.00	1.143	0.280	/
	state3		Right Edge	10	1312	1712.4	0.18	0.061	17.42	18.00	1.143	0.070	/
	state3		Top Edge	10	1312	1712.4	0.15	0.298	17.42	18.00	1.143	**0.341**	13#
Ant.0	state3	RMC	Front Side	10	1312	1712.4	-0.11	0.104	18.08	18.80	1.180	0.123	/
	state3		Back Side	10	1312	1712.4	-0.19	0.200	18.08	18.80	1.180	0.236	/
	state3		Left Edge	10	1312	1712.4	-0.13	0.052	18.08	18.80	1.180	0.061	/
	state3		Right Edge	10	1312	1712.4	-0.18	0.048	18.08	18.80	1.180	0.057	/
	state3		Bottom Edge	10	1312	1712.4	0.17	0.275	18.08	18.80	1.180	0.325	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.1	state1	RMC	Top Edge	0	1312	1712.4	-0.01	1.230	19.55	20.00	1.109	**1.364**	14#
Ant.1	state3	RMC	Top Edge	0	1312	1712.4	-0.15	0.661	17.42	18.00	1.143	0.756	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.5WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	state2	RMC	Left Cheek	0	4233	846.6	-0.17	0.478	22.15	22.50	1.084	0.518	/
	state2		Left Tilt	0	4233	846.6	0.04	0.427	22.15	22.50	1.084	0.463	/
	state2		Right Cheek	0	4233	846.6	-0.13	0.645	22.15	22.50	1.084	**0.699**	15#
	state2		Right Tilt	0	4233	846.6	0.12	0.562	22.15	22.50	1.084	0.609	/
Ant.1	state4	RMC	Left Cheek	0	4233	846.6	0.17	0.380	21.11	21.50	1.094	0.416	/
	state4		Left Tilt	0	4233	846.6	0.08	0.339	21.11	21.50	1.094	0.371	/
	state4		Right Cheek	0	4233	846.6	0.18	0.536	21.11	21.50	1.094	0.586	/
	state4		Right Tilt	0	4233	846.6	-0.17	0.446	21.11	21.50	1.094	0.488	/
Ant.0	state2&4	RMC	Left Cheek	0	4233	846.6	0.16	0.199	24.04	24.80	1.191	0.237	/
	state2&4		Left Tilt	0	4233	846.6	-0.13	0.113	24.04	24.80	1.191	0.135	/
	state2&4		Right Cheek	0	4233	846.6	-0.09	0.169	24.04	24.80	1.191	0.201	/
	state2&4		Right Tilt	0	4233	846.6	-0.03	0.093	24.04	24.80	1.191	0.111	/
Body-worn													
Ant.1	state1	RMC	Front Side	15	4233	846.6	0.11	0.096	23.15	23.50	1.084	0.104	/
	state1		Back Side	15	4233	846.6	-0.19	0.111	23.15	23.50	1.084	0.120	/
Ant.0	state1	RMC	Front Side	15	4233	846.6	-0.09	0.101	23.25	23.80	1.135	0.115	/
	state1		Back Side	15	4233	846.6	-0.09	0.141	23.25	23.80	1.135	**0.160**	16#
Hotspot													
Ant.1	state3	RMC	Front Side	10	4233	846.6	0.11	0.113	21.11	21.50	1.094	0.124	/
	state3		Back Side	10	4233	846.6	-0.15	0.142	21.11	21.50	1.094	0.155	/
	state3		Right Edge	10	4233	846.6	-0.15	0.058	21.11	21.50	1.094	0.063	/
	state3		Top Edge	10	4233	846.6	-0.11	0.134	21.11	21.50	1.094	0.147	/
Ant.0	state3	RMC	Front Side	10	4233	846.6	0.07	0.074	21.27	21.80	1.130	0.084	/
	state3		Back Side	10	4233	846.6	0.11	0.147	21.27	21.80	1.130	**0.166**	17#
	state3		Left Edge	10	4233	846.6	-0.02	0.052	21.27	21.80	1.130	0.059	/
	state3		Right Edge	10	4233	846.6	0.05	0.081	21.27	21.80	1.130	0.092	/
	state3		Bottom Edge	10	4233	846.6	-0.07	0.102	21.27	21.80	1.130	0.115	/

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

10.6 LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	state2	QPSK	Left Cheek	0	18900	1880	1	MID	0.18	0.400	16.86	17.50	1.159	0.464	/
	state2		Left Cheek	0	18900	1880	50	MID	-0.09	0.397	16.85	17.50	1.161	0.461	/
	state2		Left Tilt	0	18900	1880	1	MID	0.17	0.479	16.86	17.50	1.159	0.555	/
	state2		Left Tilt	0	18900	1880	50	MID	0.18	0.468	16.85	17.50	1.161	0.543	/
	state2		Right Cheek	0	18900	1880	1	MID	-0.10	0.669	16.86	17.50	1.159	0.775	/
	state2		Right Cheek	0	18900	1880	50	MID	0.16	0.651	16.85	17.50	1.161	0.756	/
	state2		Right Tilt	0	18900	1880	1	MID	-0.11	0.738	16.86	17.50	1.159	0.855	/
	state2		Right Tilt	0	18900	1880	50	MID	0.08	0.713	16.85	17.50	1.161	0.828	/
	state2		Right Tilt	0	18700	1860	1	MID	0.04	0.711	16.79	17.50	1.178	0.838	/
	state2		Right Tilt	0	18700	1860	50	MID	0.12	0.699	16.63	17.50	1.222	0.854	/
	state2		Right Tilt	0	19100	1900	1	MID	-0.11	0.729	16.77	17.50	1.183	**0.862**	18#
	state2		Right Tilt	0	19100	1900	50	LOW	0.05	0.715	16.82	17.50	1.169	0.836	/
	state2		Right Tilt	0	18900	1880	100	LOW	-0.04	0.718	16.79	17.50	1.178	0.846	/
Ant.1	state4	QPSK	Left Cheek	0	18900	1880	1	MID	0.16	0.318	15.78	16.50	1.180	0.375	/
	state4		Left Cheek	0	18900	1880	50	MID	-0.15	0.311	15.83	16.50	1.167	0.363	/
	state4		Left Tilt	0	18900	1880	1	MID	0.12	0.381	15.78	16.50	1.180	0.450	/
	state4		Left Tilt	0	18900	1880	50	MID	-0.15	0.379	15.83	16.50	1.167	0.442	/
	state4		Right Cheek	0	18900	1880	1	MID	0.13	0.531	15.78	16.50	1.180	0.627	/
	state4		Right Cheek	0	18900	1880	50	MID	0.06	0.524	15.83	16.50	1.167	0.612	/
	state4		Right Tilt	0	18900	1880	1	MID	0.17	0.573	15.78	16.50	1.180	0.676	/
	state4		Right Tilt	0	18900	1880	50	MID	-0.17	0.569	15.83	16.50	1.167	0.664	/
Ant.0	state2&4	QPSK	Left Cheek	0	18900	1880	1	MID	0.05	0.110	22.67	23.80	1.297	0.143	/
	state2&4		Left Cheek	0	18700	1860	50	MID	0.13	0.090	21.57	22.80	1.327	0.119	/
	state2&4		Left Tilt	0	18900	1880	1	MID	-0.03	0.088	22.67	23.80	1.297	0.114	/
	state2&4		Left Tilt	0	18700	1860	50	MID	-0.05	0.075	21.57	22.80	1.327	0.100	/
	state2&4		Right Cheek	0	18900	1880	1	MID	0.10	0.094	22.67	23.80	1.297	0.122	/
	state2&4		Right Cheek	0	18700	1860	50	MID	0.16	0.081	21.57	22.80	1.327	0.107	/
	state2&4		Right Tilt	0	18900	1880	1	MID	0.15	0.080	22.67	23.80	1.297	0.104	/
	state2&4		Right Tilt	0	18700	1860	50	MID	-0.04	0.064	21.57	22.80	1.327	0.085	/
Body-worn															
Ant.1	state1	QPSK	Front Side	15	18900	1880	1	MID	0.18	0.114	18.85	19.50	1.161	0.132	/
	state1		Front Side	15	18900	1880	50	LOW	-0.16	0.111	18.79	19.50	1.178	0.131	/
	state1		Back Side	15	18900	1880	1	MID	0.13	0.161	18.85	19.50	1.161	0.187	/
	state1		Back Side	15	18900	1880	50	LOW	0.02	0.154	18.79	19.50	1.178	0.181	/
Ant.0	state1	QPSK	Front Side	15	18900	1880	1	MID	0.05	0.093	21.05	21.80	1.189	0.111	/
	state1		Front Side	15	18700	1860	50	MID	0.19	0.088	20.87	21.80	1.239	0.109	/

	state1		Back Side	15	18900	1880	1	MID	0.05	0.253	21.05	21.80	1.189	**0.301**	19#
	state1		Back Side	15	18700	1860	50	MID	-0.08	0.238	20.87	21.80	1.239	0.295	/
Hotspot															
Ant.1	state3	QPSK	Front Side	10	18900	1880	1	MID	-0.03	0.150	16.86	17.50	1.159	0.174	/
	state3		Front Side	10	18900	1880	50	MID	0.11	0.146	16.85	17.50	1.161	0.170	/
	state3		Back Side	10	18900	1880	1	MID	0.18	0.199	16.86	17.50	1.159	0.231	/
	state3		Back Side	10	18900	1880	50	MID	0.08	0.192	16.85	17.50	1.161	0.223	/
	state3		Right Edge	10	18900	1880	1	MID	0.05	0.020	16.86	17.50	1.159	0.023	/
	state3		Right Edge	10	18900	1880	50	MID	-0.16	0.016	16.85	17.50	1.161	0.019	/
	state3		Top Edge	10	18900	1880	1	MID	-0.06	0.281	16.86	17.50	1.159	0.326	/
	state3		Top Edge	10	18900	1880	50	MID	-0.07	0.277	16.85	17.50	1.161	0.322	/
Ant.0	state3	QPSK	Front Side	10	18900	1880	1	MID	0.01	0.151	19.52	20.30	1.197	0.181	/
	state3		Front Side	10	18700	1860	50	MID	0.14	0.150	19.38	20.30	1.236	0.185	/
	state3		Back Side	10	18900	1880	1	MID	-0.11	0.330	19.52	20.30	1.197	0.395	/
	state3		Back Side	10	18700	1860	50	MID	-0.04	0.318	19.38	20.30	1.236	0.393	/
	state3		Left Edge	10	18900	1880	1	MID	0.09	0.067	19.52	20.30	1.197	0.080	/
	state3		Left Edge	10	18700	1860	50	MID	0.14	0.065	19.38	20.30	1.236	0.080	/
	state3		Right Edge	10	18900	1880	1	MID	-0.10	0.055	19.52	20.30	1.197	0.066	/
	state3		Right Edge	10	18700	1860	50	MID	-0.06	0.051	19.38	20.30	1.236	0.063	/
	state3		Bottom Edge	10	18900	1880	1	MID	-0.07	0.452	19.52	20.30	1.197	**0.541**	20#
	state3		Bottom Edge	10	18700	1860	50	MID	0.13	0.431	19.38	20.30	1.236	0.533	/
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)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.1	state1	QPSK	Top Edge	0	18900	1880	1	MID	-0.08	1.260	18.85	19.50	1.161	**1.463**	21#
	state1		Top Edge	0	18900	1880	50	LOW	0.05	1.210	18.79	19.50	1.178	1.425	/
Ant.1	state3	QPSK	Top Edge	0	18900	1880	1	MID	0.15	0.766	18.85	19.50	1.161	0.889	/
	state3		Top Edge	0	18900	1880	50	LOW	0.09	0.747	18.79	19.50	1.178	0.880	/
Ant.0	state1	QPSK	Bottom Edge	0	18900	1880	1	MID	-0.08	1.140	21.05	21.80	1.189	**1.355**	22#
	state1		Bottom Edge	0	18700	1860	50	MID	0.05	1.070	20.87	21.80	1.239	1.326	/
Ant.0	state3	QPSK	Bottom Edge	0	18900	1880	1	MID	0.06	0.797	21.05	21.80	1.189	0.948	/
	state3		Bottom Edge	0	18700	1860	50	MID	-0.08	0.741	20.87	21.80	1.239	0.918	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.7 LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	state2	QPSK	Left Cheek	0	20175	1732.5	1	MID	-0.09	0.428	17.40	18.00	1.148	0.491	/
	state2		Left Cheek	0	20300	1745	50	MID	-0.19	0.413	17.26	18.00	1.186	0.490	/
	state2		Left Tilt	0	20175	1732.5	1	MID	0.13	0.481	17.40	18.00	1.148	0.552	/
	state2		Left Tilt	0	20300	1745	50	MID	-0.04	0.477	17.26	18.00	1.186	0.566	/
	state2		Right Cheek	0	20175	1732.5	1	MID	0.18	0.692	17.40	18.00	1.148	0.794	/
	state2		Right Cheek	0	20300	1745	50	MID	0.15	0.671	17.26	18.00	1.186	0.796	/
	state2		Right Tilt	0	20175	1732.5	1	MID	0.07	0.716	17.40	18.00	1.148	0.822	/
	state2		Right Tilt	0	20300	1745	50	MID	-0.18	0.709	17.26	18.00	1.186	0.841	/
	state2		Right Tilt	0	20050	1720	1	MID	-0.12	0.733	17.34	18.00	1.164	**0.853**	23#
	state2		Right Tilt	0	20050	1720	50	MID	-0.01	0.711	17.25	18.00	1.189	0.845	/
	state2		Right Tilt	0	20300	1745	1	MID	-0.04	0.714	17.37	18.00	1.156	0.825	/
	state2		Right Tilt	0	20175	1732.5	50	LOW	0.16	0.708	17.22	18.00	1.197	0.847	/
	state2		Right Tilt	0	20175	1732.5	100	LOW	-0.18	0.705	17.22	18.00	1.197	0.844	/
Ant.1	state4	QPSK	Left Cheek	0	20175	1732.5	1	MID	0.18	0.341	16.31	17.00	1.172	0.400	/
	state4		Left Cheek	0	20300	1745	50	MID	0.02	0.348	16.26	17.00	1.186	0.413	/
	state4		Left Tilt	0	20175	1732.5	1	MID	-0.03	0.382	16.31	17.00	1.172	0.448	/
	state4		Left Tilt	0	20300	1745	50	MID	0.13	0.379	16.26	17.00	1.186	0.449	/
	state4		Right Cheek	0	20175	1732.5	1	MID	-0.16	0.549	16.31	17.00	1.172	0.643	/
	state4		Right Cheek	0	20300	1745	50	MID	0.07	0.533	16.26	17.00	1.186	0.632	/
	state4		Right Tilt	0	20175	1732.5	1	MID	-0.10	0.568	16.31	17.00	1.172	0.666	/
	state4		Right Tilt	0	20300	1745	50	MID	-0.15	0.571	16.26	17.00	1.186	0.677	/
Ant.0	state2&4	QPSK	Left Cheek	0	20175	1732.5	1	MID	0.12	0.093	22.14	23.30	1.306	0.121	/
	state2&4		Left Cheek	0	20050	1720	50	MID	-0.02	0.081	21.13	22.30	1.309	0.106	/
	state2&4		Left Tilt	0	20175	1732.5	1	MID	0.01	0.042	22.14	23.30	1.306	0.055	/
	state2&4		Left Tilt	0	20050	1720	50	MID	0.09	0.033	21.13	22.30	1.309	0.043	/
	state2&4		Right Cheek	0	20175	1732.5	1	MID	0.05	0.071	22.14	23.30	1.306	0.093	/
	state2&4		Right Cheek	0	20050	1720	50	MID	-0.10	0.059	21.13	22.30	1.309	0.077	/
	state2&4		Right Tilt	0	20175	1732.5	1	MID	0.12	0.041	22.14	23.30	1.306	0.054	/
	state2&4		Right Tilt	0	20050	1720	50	MID	-0.07	0.028	21.13	22.30	1.309	0.037	/
Body-worn															
Ant.1	state1	QPSK	Front Side	15	20175	1732.5	1	MID	-0.19	0.119	19.30	20.00	1.175	0.140	/
	state1		Front Side	15	20300	1745	50	HIGH	-0.16	0.112	19.23	20.00	1.194	0.134	/
	state1		Back Side	15	20175	1732.5	1	MID	0.04	0.193	19.30	20.00	1.175	**0.227**	24#
	state1		Back Side	15	20300	1745	50	HIGH	0.15	0.186	19.23	20.00	1.194	0.222	/
Ant.0	state1	QPSK	Front Side	15	20175	1732.5	1	MID	-0.02	0.075	20.03	20.80	1.194	0.090	/
	state1		Front Side	15	20050	1720	50	HIGH	0.05	0.071	19.95	20.80	1.216	0.086	/

	state1		Back Side	15	20175	1732.5	1	MID	-0.04	0.151	20.03	20.80	1.194	0.180	/
	state1		Back Side	15	20050	1720	50	HIGH	0.14	0.146	19.95	20.80	1.216	0.178	/
Hotspot															
Ant.1	state3	QPSK	Front Side	10	20175	1732.5	1	MID	0.02	0.149	17.40	18.00	1.148	0.171	/
	state3		Front Side	10	20300	1745	50	MID	0.01	0.145	17.26	18.00	1.186	0.172	/
	state3		Back Side	10	20175	1732.5	1	MID	0.08	0.195	17.40	18.00	1.148	0.224	/
	state3		Back Side	10	20300	1745	50	MID	-0.04	0.189	17.26	18.00	1.186	0.224	/
	state3		Right Edge	10	20175	1732.5	1	MID	0.09	0.021	17.40	18.00	1.148	0.024	/
	state3		Right Edge	10	20300	1745	50	MID	0.02	0.018	17.26	18.00	1.186	0.021	/
	state3		Top Edge	10	20175	1732.5	1	MID	0.14	0.228	17.40	18.00	1.148	0.262	/
	state3		Top Edge	10	20300	1745	50	MID	-0.05	0.217	17.26	18.00	1.186	0.257	/
Ant.0	state3	QPSK	Front Side	10	20175	1732.5	1	MID	-0.08	0.086	18.05	18.80	1.189	0.102	/
	state3		Front Side	10	20050	1720	50	MID	-0.10	0.088	17.95	18.80	1.216	0.107	/
	state3		Back Side	10	20175	1732.5	1	MID	0.10	0.170	18.05	18.80	1.189	0.202	/
	state3		Back Side	10	20050	1720	50	MID	0.16	0.162	17.95	18.80	1.216	0.197	/
	state3		Left Edge	10	20175	1732.5	1	MID	-0.17	0.047	18.05	18.80	1.189	0.056	/
	state3		Left Edge	10	20050	1720	50	MID	0.08	0.043	17.95	18.80	1.216	0.052	/
	state3		Right Edge	10	20175	1732.5	1	MID	-0.10	0.039	18.05	18.80	1.189	0.046	/
	state3		Right Edge	10	20050	1720	50	MID	0.13	0.033	17.95	18.80	1.216	0.040	/
	state3		Bottom Edge	10	20175	1732.5	1	MID	0.02	0.291	18.05	18.80	1.189	**0.346**	25#
	state3		Bottom Edge	10	20050	1720	50	MID	-0.01	0.279	17.95	18.80	1.216	0.339	/

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

10.8LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	state2	QPSK	Left Cheek	0	20450	829	1	MID	0.15	0.331	22.03	22.50	1.114	0.369	/
	state2		Left Cheek	0	20525	836.5	25	LOW	0.19	0.317	21.91	22.50	1.146	0.363	/
	state2		Left Tilt	0	20450	829	1	MID	-0.17	0.291	22.03	22.50	1.114	0.324	/
	state2		Left Tilt	0	20525	836.5	25	LOW	0.09	0.283	21.91	22.50	1.146	0.324	/
	state2		Right Cheek	0	20450	829	1	MID	-0.11	0.480	22.03	22.50	1.114	**0.535**	26#
	state2		Right Cheek	0	20525	836.5	25	LOW	-0.06	0.463	21.91	22.50	1.146	0.531	/
	state2		Right Tilt	0	20450	829	1	MID	0.11	0.387	22.03	22.50	1.114	0.431	/
	state2		Right Tilt	0	20525	836.5	25	LOW	0.09	0.373	21.91	22.50	1.146	0.427	/
Ant.1	state4	QPSK	Left Cheek	0	20450	829	1	MID	-0.05	0.263	21.00	21.50	1.122	0.295	/
	state4		Left Cheek	0	20525	836.5	25	LOW	0.13	0.252	20.93	21.50	1.140	0.287	/
	state4		Left Tilt	0	20450	829	1	MID	0.17	0.231	21.00	21.50	1.122	0.259	/
	state4		Left Tilt	0	20525	836.5	25	LOW	-0.14	0.225	20.93	21.50	1.140	0.257	/
	state4		Right Cheek	0	20450	829	1	MID	-0.08	0.379	21.00	21.50	1.122	0.425	/
	state4		Right Cheek	0	20525	836.5	25	LOW	0.00	0.368	20.93	21.50	1.140	0.420	/
	state4		Right Tilt	0	20450	829	1	MID	-0.05	0.308	21.00	21.50	1.122	0.346	/
	state4		Right Tilt	0	20525	836.5	25	LOW	-0.08	0.297	20.93	21.50	1.140	0.339	/
Ant.0	state2&4	QPSK	Left Cheek	0	20450	829	1	LOW	0.15	0.152	23.92	24.80	1.225	0.186	/
	state2&4		Left Cheek	0	20450	829	25	LOW	0.12	0.129	22.79	23.80	1.262	0.163	/
	state2&4		Left Tilt	0	20450	829	1	LOW	-0.19	0.086	23.92	24.80	1.225	0.105	/
	state2&4		Left Tilt	0	20450	829	25	LOW	-0.02	0.072	22.79	23.80	1.262	0.091	/
	state2&4		Right Cheek	0	20450	829	1	LOW	0.17	0.123	23.92	24.80	1.225	0.151	/
	state2&4		Right Cheek	0	20450	829	25	LOW	-0.14	0.107	22.79	23.80	1.262	0.135	/
	state2&4		Right Tilt	0	20450	829	1	LOW	-0.11	0.062	23.92	24.80	1.225	0.076	/
	state2&4		Right Tilt	0	20450	829	25	LOW	0.19	0.053	22.79	23.80	1.262	0.067	/
Body-worn															
Ant.1	state1	QPSK	Front Side	15	20450	829	1	MID	0.13	0.069	23.45	24.00	1.135	0.078	/
	state1		Front Side	15	20525	836.5	25	LOW	0.08	0.058	22.88	23.50	1.153	0.067	/
	state1		Back Side	15	20450	829	1	MID	-0.13	0.080	23.45	24.00	1.135	0.091	/
	state1		Back Side	15	20525	836.5	25	LOW	0.03	0.069	22.88	23.50	1.153	0.080	/
Ant.0	state1	QPSK	Front Side	15	20450	829	1	LOW	-0.18	0.113	23.92	24.80	1.225	0.138	/
	state1		Front Side	15	20450	829	25	LOW	-0.02	0.096	22.79	23.80	1.262	0.121	/
	state1		Back Side	15	20450	829	1	LOW	0.07	0.164	23.92	24.80	1.225	**0.201**	27#
	state1		Back Side	15	20450	829	25	LOW	-0.17	0.148	22.79	23.80	1.262	0.187	/
Hotspot															
Ant.1	state3	QPSK	Front Side	10	20450	829	1	MID	-0.02	0.084	21.54	22.00	1.112	0.093	/
	state3		Front Side	10	20525	836.5	25	LOW	-0.14	0.082	21.41	22.00	1.146	0.094	/

	state3		Back Side	10	20450	829	1	MID	0.08	0.107	21.54	22.00	1.112	0.119	/
	state3		Back Side	10	20525	836.5	25	LOW	0.03	0.102	21.41	22.00	1.146	0.117	/
	state3		Right Edge	10	20450	829	1	MID	-0.13	0.042	21.54	22.00	1.112	0.047	/
	state3		Right Edge	10	20525	836.5	25	LOW	0.14	0.041	21.41	22.00	1.146	0.047	/
	state3		Top Edge	10	20450	829	1	MID	-0.16	0.104	21.54	22.00	1.112	0.116	/
	state3		Top Edge	10	20525	836.5	25	LOW	-0.17	0.097	21.41	22.00	1.146	0.111	/
Ant.0	state3	QPSK	Front Side	10	20450	829	1	MID	-0.16	0.058	22.08	22.80	1.180	0.068	/
	state3		Front Side	10	20450	829	25	LOW	-0.16	0.053	21.96	22.80	1.213	0.064	/
	state3		Back Side	10	20450	829	1	MID	-0.01	0.150	22.08	22.80	1.180	**0.177**	28#
	state3		Back Side	10	20450	829	25	LOW	-0.03	0.144	21.96	22.80	1.213	0.175	/
	state3		Left Edge	10	20450	829	1	MID	0.13	0.041	22.08	22.80	1.180	0.048	/
	state3		Left Edge	10	20450	829	25	LOW	-0.03	0.038	21.96	22.80	1.213	0.046	/
	state3		Right Edge	10	20450	829	1	MID	0.18	0.064	22.08	22.80	1.180	0.076	/
	state3		Right Edge	10	20450	829	25	LOW	-0.06	0.061	21.96	22.80	1.213	0.074	/
	state3		Bottom Edge	10	20450	829	1	MID	-0.04	0.079	22.08	22.80	1.180	0.093	/
	state3		Bottom Edge	10	20450	829	25	LOW	0.10	0.072	21.96	22.80	1.213	0.087	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.9LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	state2	QPSK	Left Cheek	0	21100	2535	1	MID	0.19	0.162	16.43	17.00	1.140	0.185	/
	state2		Left Cheek	0	21350	2560	50	MID	0.06	0.158	16.29	17.00	1.178	0.186	/
	state2		Left Tilt	0	21100	2535	1	MID	0.10	0.154	16.43	17.00	1.140	0.176	/
	state2		Left Tilt	0	21350	2560	50	MID	0.01	0.149	16.29	17.00	1.178	0.176	/
	state2		Right Cheek	0	21100	2535	1	MID	0.11	0.502	16.43	17.00	1.140	**0.572**	29#
	state2		Right Cheek	0	21350	2560	50	MID	0.14	0.483	16.29	17.00	1.178	0.569	/
	state2		Right Tilt	0	21100	2535	1	MID	0.02	0.472	16.43	17.00	1.140	0.538	/
	state2		Right Tilt	0	21350	2560	50	MID	0.11	0.465	16.29	17.00	1.178	0.548	/
Ant.1	state4	QPSK	Left Cheek	0	21100	2535	1	MID	0.14	0.129	15.34	16.00	1.164	0.150	/
	state4		Left Cheek	0	21350	2560	50	MID	-0.13	0.125	15.26	16.00	1.186	0.148	/
	state4		Left Tilt	0	21100	2535	1	MID	0.01	0.117	15.34	16.00	1.164	0.136	/
	state4		Left Tilt	0	21350	2560	50	MID	-0.02	0.113	15.26	16.00	1.186	0.134	/
	state4		Right Cheek	0	21100	2535	1	MID	0.10	0.382	15.34	16.00	1.164	0.445	/
	state4		Right Cheek	0	21350	2560	50	MID	-0.12	0.379	15.26	16.00	1.186	0.449	/
	state4		Right Tilt	0	21100	2535	1	MID	0.17	0.368	15.34	16.00	1.164	0.428	/
	state4		Right Tilt	0	21350	2560	50	MID	0.03	0.359	15.26	16.00	1.186	0.426	/
Ant.0	state2&4	QPSK	Left Cheek	0	21100	2535	1	MID	-0.19	0.099	22.55	23.80	1.334	0.132	/
	state2&4		Left Cheek	0	21100	2535	50	LOW	0.12	0.087	21.48	22.80	1.355	0.118	/
	state2&4		Left Tilt	0	21100	2535	1	MID	0.19	0.085	22.55	23.80	1.334	0.113	/
	state2&4		Left Tilt	0	21100	2535	50	LOW	0.14	0.076	21.48	22.80	1.355	0.103	/
	state2&4		Right Cheek	0	21100	2535	1	MID	-0.06	0.162	22.55	23.80	1.334	0.216	/
	state2&4		Right Cheek	0	21100	2535	50	LOW	-0.09	0.142	21.48	22.80	1.355	0.192	/
	state2&4		Right Tilt	0	21100	2535	1	MID	0.09	0.099	22.55	23.80	1.334	0.132	/
	state2&4		Right Tilt	0	21100	2535	50	LOW	0.10	0.083	21.48	22.80	1.355	0.112	/
Body-worn															
Ant.1	state1	QPSK	Front Side	15	21100	2535	1	MID	0.14	0.128	19.89	20.50	1.151	0.147	/
	state1		Front Side	15	21350	2560	50	MID	0.13	0.123	19.89	20.50	1.151	0.142	/
	state1		Back Side	15	21100	2535	1	MID	-0.11	0.159	19.89	20.50	1.151	0.183	/
	state1		Back Side	15	21350	2560	50	MID	0.05	0.154	19.89	20.50	1.151	0.177	/
Ant.0	state1	QPSK	Front Side	15	21100	2535	1	MID	0.16	0.209	22.56	23.30	1.186	0.248	/
	state1		Front Side	15	21100	2535	50	LOW	-0.11	0.183	21.89	22.80	1.233	0.226	/
	state1		Back Side	15	21100	2535	1	MID	0.19	0.259	22.56	23.30	1.186	**0.307**	30#
	state1		Back Side	15	21100	2535	50	LOW	0.06	0.225	21.89	22.80	1.233	0.277	/
Hotspot															
Ant.1	state3	QPSK	Front Side	10	21100	2535	1	MID	-0.10	0.151	17.80	18.50	1.175	0.177	/
	state3		Front Side	10	21350	2560	50	MID	-0.13	0.148	17.75	18.50	1.189	0.176	/

	state3		Back Side	10	21100	2535	1	MID	-0.09	0.202	17.80	18.50	1.175	0.237	/
	state3		Back Side	10	21350	2560	50	MID	-0.13	0.196	17.75	18.50	1.189	0.233	/
	state3		Right Edge	10	21100	2535	1	MID	0.16	0.185	17.80	18.50	1.175	0.217	/
	state3		Right Edge	10	21350	2560	50	MID	-0.02	0.177	17.75	18.50	1.189	0.210	/
	state3		Top Edge	10	21100	2535	1	MID	-0.02	0.162	17.80	18.50	1.175	0.190	/
	state3		Top Edge	10	21350	2560	50	MID	0.00	0.156	17.75	18.50	1.189	0.185	/
Ant.0	state3	QPSK	Front Side	10	21100	2535	1	MID	0.07	0.180	20.54	21.30	1.191	0.214	/
	state3		Front Side	10	21100	2535	50	MID	0.06	0.177	20.43	21.30	1.222	0.216	/
	state3		Back Side	10	21100	2535	1	MID	-0.03	0.253	20.54	21.30	1.191	**0.301**	31#
	state3		Back Side	10	21100	2535	50	MID	-0.08	0.245	20.43	21.30	1.222	0.299	/
	state3		Left Edge	10	21100	2535	1	MID	-0.02	0.156	20.54	21.30	1.191	0.186	/
	state3		Left Edge	10	21100	2535	50	MID	0.15	0.148	20.43	21.30	1.222	0.181	/
	state3		Right Edge	10	21100	2535	1	MID	0.13	0.031	20.54	21.30	1.191	0.037	/
	state3		Right Edge	10	21100	2535	50	MID	-0.15	0.027	20.43	21.30	1.222	0.033	/
	state3		Bottom Edge	10	21100	2535	1	MID	-0.02	0.222	20.54	21.30	1.191	0.264	/
	state3		Bottom Edge	10	21100	2535	50	MID	0.07	0.214	20.43	21.30	1.222	0.262	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.10 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	state2&4	QPSK	Left Cheek	0	23130	711	1	MID	-0.05	0.044	22.72	23.50	1.197	0.053	/
	state2&4		Left Cheek	0	23060	704	25	LOW	0.08	0.034	21.76	22.50	1.186	0.040	/
	state2&4		Left Tilt	0	23130	711	1	MID	-0.09	0.042	22.72	23.50	1.197	0.050	/
	state2&4		Left Tilt	0	23060	704	25	LOW	-0.07	0.032	21.76	22.50	1.186	0.038	/
	state2&4		Right Cheek	0	23130	711	1	MID	0.18	0.067	22.72	23.50	1.197	0.080	/
	state2&4		Right Cheek	0	23060	704	25	LOW	-0.12	0.059	21.76	22.50	1.186	0.070	/
	state2&4		Right Tilt	0	23130	711	1	MID	0.16	0.053	22.72	23.50	1.197	0.063	/
	state2&4		Right Tilt	0	23060	704	25	LOW	-0.01	0.041	21.76	22.50	1.186	0.049	/
Ant.0	state2&4	QPSK	Left Cheek	0	23095	707.5	1	MID	0.04	0.114	22.83	23.80	1.250	**0.143**	32#
	state2&4		Left Cheek	0	23095	707.5	25	LOW	0.08	0.083	21.85	22.80	1.245	0.103	/
	state2&4		Left Tilt	0	23095	707.5	1	MID	0.06	0.057	22.83	23.80	1.250	0.071	/
	state2&4		Left Tilt	0	23095	707.5	25	LOW	-0.01	0.049	21.85	22.80	1.245	0.061	/
	state2&4		Right Cheek	0	23095	707.5	1	MID	-0.07	0.080	22.83	23.80	1.250	0.100	/
	state2&4		Right Cheek	0	23095	707.5	25	LOW	0.14	0.063	21.85	22.80	1.245	0.078	/
	state2&4		Right Tilt	0	23095	707.5	1	MID	-0.17	0.047	22.83	23.80	1.250	0.059	/
	state2&4		Right Tilt	0	23095	707.5	25	LOW	0.08	0.039	21.85	22.80	1.245	0.049	/
Body-worn															
Ant.1	state1	QPSK	Front Side	15	23130	711	1	MID	-0.14	0.021	22.72	23.50	1.197	0.025	/
	state1		Front Side	15	23060	704	25	LOW	0.08	0.014	21.76	22.50	1.186	0.017	/
	state1		Back Side	15	23130	711	1	MID	-0.08	0.028	22.72	23.50	1.197	0.034	/
	state1		Back Side	15	23060	704	25	LOW	-0.12	0.018	21.76	22.50	1.186	0.021	/
Ant.0	state1	QPSK	Front Side	15	23095	707.5	1	MID	0.14	0.115	22.83	23.80	1.250	0.144	/
	state1		Front Side	15	23095	707.5	25	LOW	0.02	0.097	21.85	22.80	1.245	0.121	/
	state1		Back Side	15	23095	707.5	1	MID	-0.12	0.142	22.83	23.80	1.250	**0.178**	33#
	state1		Back Side	15	23095	707.5	25	LOW	0.14	0.112	21.85	22.80	1.245	0.139	/
Hotspot															
Ant.1	state3	QPSK	Front Side	10	23130	711	1	MID	-0.04	0.068	22.72	23.50	1.197	0.081	/
	state3		Front Side	10	23060	704	25	LOW	-0.01	0.059	21.76	22.50	1.186	0.070	/
	state3		Back Side	10	23130	711	1	MID	-0.12	0.082	22.72	23.50	1.197	0.098	/
	state3		Back Side	10	23060	704	25	LOW	-0.15	0.074	21.76	22.50	1.186	0.088	/
	state3		Right Edge	10	23130	711	1	MID	-0.18	0.036	22.72	23.50	1.197	0.043	/
	state3		Right Edge	10	23060	704	25	LOW	-0.03	0.031	21.76	22.50	1.186	0.037	/
	state3		Top Edge	10	23130	711	1	MID	0.07	0.079	22.72	23.50	1.197	0.095	/
	state3		Top Edge	10	23060	704	25	LOW	0.13	0.071	21.76	22.50	1.186	0.084	/
Ant.0	state3	QPSK	Front Side	10	23095	707.5	1	MID	-0.13	0.078	21.96	22.80	1.213	0.095	/
	state3		Front Side	10	23095	707.5	25	LOW	0.10	0.075	22.03	22.80	1.194	0.090	/

	state3		Back Side	10	23095	707.5	1	MID	-0.19	0.131	21.96	22.80	1.213	**0.159**	34#
	state3		Back Side	10	23095	707.5	25	LOW	0.14	0.128	22.03	22.80	1.194	0.153	/
	state3		Left Edge	10	23095	707.5	1	MID	-0.14	0.085	21.96	22.80	1.213	0.103	/
	state3		Left Edge	10	23095	707.5	25	LOW	0.03	0.081	22.03	22.80	1.194	0.097	/
	state3		Right Edge	10	23095	707.5	1	MID	-0.12	0.116	21.96	22.80	1.213	0.141	/
	state3		Right Edge	10	23095	707.5	25	LOW	0.05	0.111	22.03	22.80	1.194	0.133	/
	state3		Bottom Edge	10	23095	707.5	1	MID	0.06	0.059	21.96	22.80	1.213	0.072	/
	state3		Bottom Edge	10	23095	707.5	25	LOW	-0.08	0.052	22.03	22.80	1.194	0.062	/

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

10.11 LTE Band 13 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	state2&4	QPSK	Left Cheek	0	23230	782	1	MID	-0.09	0.154	22.55	23.50	1.245	0.192	/
	state2&4		Left Cheek	0	23230	782	25	MID	-0.17	0.122	21.57	22.50	1.239	0.151	/
	state2&4		Left Tilt	0	23230	782	1	MID	0.11	0.130	22.55	23.50	1.245	0.162	/
	state2&4		Left Tilt	0	23230	782	25	MID	0.06	0.110	21.57	22.50	1.239	0.136	/
	state2&4		Right Cheek	0	23230	782	1	MID	0.00	0.237	22.55	23.50	1.245	**0.295**	35#
	state2&4		Right Cheek	0	23230	782	25	MID	0.12	0.188	21.57	22.50	1.239	0.233	/
	state2&4		Right Tilt	0	23230	782	1	MID	0.05	0.187	22.55	23.50	1.245	0.233	/
	state2&4		Right Tilt	0	23230	782	25	MID	0.18	0.149	21.57	22.50	1.239	0.185	/
Ant.0	state2&4	QPSK	Left Cheek	0	23230	782	1	MID	-0.02	0.131	22.69	23.80	1.291	0.169	/
	state2&4		Left Cheek	0	23230	782	25	MID	0.11	0.105	21.74	22.80	1.276	0.134	/
	state2&4		Left Tilt	0	23230	782	1	MID	-0.18	0.079	22.69	23.80	1.291	0.102	/
	state2&4		Left Tilt	0	23230	782	25	MID	-0.13	0.066	21.74	22.80	1.276	0.084	/
	state2&4		Right Cheek	0	23230	782	1	MID	-0.01	0.103	22.69	23.80	1.291	0.133	/
	state2&4		Right Cheek	0	23230	782	25	MID	-0.08	0.084	21.74	22.80	1.276	0.107	/
	state2&4		Right Tilt	0	23230	782	1	MID	-0.06	0.067	22.69	23.80	1.291	0.086	/
	state2&4		Right Tilt	0	23230	782	25	MID	-0.02	0.052	21.74	22.80	1.276	0.066	/
Body-worn															
Ant.1	state1	QPSK	Front Side	15	23230	782	1	MID	-0.01	0.018	22.55	23.50	1.245	0.022	/
	state1		Front Side	15	23230	782	25	MID	0.17	0.014	21.57	22.50	1.239	0.017	/
	state1		Back Side	15	23230	782	1	MID	0.06	0.026	22.55	23.50	1.245	0.032	/
	state1		Back Side	15	23230	782	25	MID	0.15	0.021	21.57	22.50	1.239	0.026	/
Ant.0	state1	QPSK	Front Side	15	23230	782	1	MID	-0.07	0.098	22.69	23.80	1.291	0.127	/
	state1		Front Side	15	23230	782	25	MID	0.15	0.079	21.74	22.80	1.276	0.101	/
	state1		Back Side	15	23230	782	1	MID	-0.05	0.135	22.69	23.80	1.291	**0.174**	36#
	state1		Back Side	15	23230	782	25	MID	-0.17	0.105	21.74	22.80	1.276	0.134	/
Hotspot															
Ant.1	state3	QPSK	Front Side	10	23230	782	1	MID	0.12	0.082	21.94	22.50	1.138	0.093	/
	state3		Front Side	10	23230	782	25	MID	0.08	0.073	21.93	22.50	1.140	0.083	/
	state3		Back Side	10	23230	782	1	MID	-0.18	0.095	21.94	22.50	1.138	0.108	/
	state3		Back Side	10	23230	782	25	MID	-0.14	0.089	21.93	22.50	1.140	0.101	/
	state3		Right Edge	10	23230	782	1	MID	-0.09	0.043	21.94	22.50	1.138	0.049	/
	state3		Right Edge	10	23230	782	25	MID	-0.08	0.036	21.93	22.50	1.140	0.041	/
	state3		Top Edge	10	23230	782	1	MID	-0.11	0.089	21.94	22.50	1.138	0.101	/
	state3		Top Edge	10	23230	782	25	MID	-0.10	0.081	21.93	22.50	1.140	0.092	/
Ant.0	state3	QPSK	Front Side	10	23230	782	1	MID	0.02	0.093	22.69	23.80	1.291	0.120	/
	state3		Front Side	10	23230	782	25	MID	0.18	0.077	21.74	22.80	1.276	0.098	/

	state3		Back Side	10	23230	782	1	MID	-0.07	0.168	22.69	23.80	1.291	**0.217**	37#
	state3		Back Side	10	23230	782	25	MID	0.07	0.136	21.74	22.80	1.276	0.174	/
	state3		Left Edge	10	23230	782	1	MID	0.02	0.083	22.69	23.80	1.291	0.107	/
	state3		Left Edge	10	23230	782	25	MID	-0.09	0.065	21.74	22.80	1.276	0.083	/
	state3		Right Edge	10	23230	782	1	MID	0.16	0.144	22.69	23.80	1.291	0.186	/
	state3		Right Edge	10	23230	782	25	MID	0.07	0.118	21.74	22.80	1.276	0.151	/
	state3		Bottom Edge	10	23230	782	1	MID	0.08	0.109	22.69	23.80	1.291	0.141	/
	state3		Bottom Edge	10	23230	782	25	MID	0.17	0.092	21.74	22.80	1.276	0.117	/

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

10.12 LTE Band 17 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	state2&4	QPSK	Left Cheek	0	23780	709	1	MID	0.07	0.048	22.62	23.50	1.225	0.059	/
	state2&4		Left Cheek	0	23780	709	25	LOW	0.16	0.038	21.63	22.50	1.222	0.046	/
	state2&4		Left Tilt	0	23780	709	1	MID	0.16	0.043	22.62	23.50	1.225	0.053	/
	state2&4		Left Tilt	0	23780	709	25	LOW	0.17	0.033	21.63	22.50	1.222	0.040	/
	state2&4		Right Cheek	0	23780	709	1	MID	-0.10	0.072	22.62	23.50	1.225	0.088	/
	state2&4		Right Cheek	0	23780	709	25	LOW	0.07	0.058	21.63	22.50	1.222	0.071	/
	state2&4		Right Tilt	0	23780	709	1	MID	0.10	0.056	22.62	23.50	1.225	0.069	/
	state2&4		Right Tilt	0	23780	709	25	LOW	-0.11	0.045	21.63	22.50	1.222	0.055	/
Ant.0	state2&4	QPSK	Left Cheek	0	23800	711	1	MID	0.09	0.117	22.78	23.80	1.265	**0.148**	38#
	state2&4		Left Cheek	0	23790	710	25	MID	-0.03	0.093	21.69	22.80	1.291	0.120	/
	state2&4		Left Tilt	0	23800	711	1	MID	-0.15	0.067	22.78	23.80	1.265	0.085	/
	state2&4		Left Tilt	0	23790	710	25	MID	-0.01	0.056	21.69	22.80	1.291	0.072	/
	state2&4		Right Cheek	0	23800	711	1	MID	0.11	0.098	22.78	23.80	1.265	0.124	/
	state2&4		Right Cheek	0	23790	710	25	MID	0.16	0.072	21.69	22.80	1.291	0.093	/
	state2&4		Right Tilt	0	23800	711	1	MID	0.16	0.061	22.78	23.80	1.265	0.077	/
	state2&4		Right Tilt	0	23790	710	25	MID	0.09	0.049	21.69	22.80	1.291	0.063	/
Body-worn															
Ant.1	state1	QPSK	Front Side	15	23780	709	1	MID	-0.18	0.023	22.62	23.50	1.225	0.028	/
	state1		Front Side	15	23780	709	25	LOW	-0.13	0.016	21.63	22.50	1.222	0.020	/
	state1		Back Side	15	23780	709	1	MID	-0.18	0.029	22.62	23.50	1.225	0.036	/
	state1		Back Side	15	23780	709	25	LOW	0.13	0.022	21.63	22.50	1.222	0.027	/
Ant.0	state1	QPSK	Front Side	15	23800	711	1	MID	0.07	0.109	22.78	23.80	1.265	0.138	/
	state1		Front Side	15	23790	710	25	MID	-0.12	0.083	21.69	22.80	1.291	0.107	/
	state1		Back Side	15	23800	711	1	MID	-0.06	0.157	22.78	23.80	1.265	**0.199**	39#
	state1		Back Side	15	23790	710	25	MID	0.13	0.124	21.69	22.80	1.291	0.160	/
Hotspot															
Ant.1	state3	QPSK	Front Side	10	23780	709	1	MID	0.07	0.092	22.62	23.50	1.225	0.113	/
	state3		Front Side	10	23780	709	25	LOW	-0.17	0.083	21.63	22.50	1.222	0.101	/
	state3		Back Side	10	23780	709	1	MID	0.08	0.106	22.62	23.50	1.225	0.130	/
	state3		Back Side	10	23780	709	25	LOW	0.09	0.088	21.63	22.50	1.222	0.108	/
	state3		Right Edge	10	23780	709	1	MID	0.19	0.049	22.62	23.50	1.225	0.060	/
	state3		Right Edge	10	23780	709	25	LOW	0.11	0.043	21.63	22.50	1.222	0.053	/
	state3		Top Edge	10	23780	709	1	MID	0.09	0.096	22.62	23.50	1.225	0.118	/
	state3		Top Edge	10	23780	709	25	LOW	-0.11	0.089	21.63	22.50	1.222	0.109	/
Ant.0	state3	QPSK	Front Side	10	23800	711	1	MID	-0.05	0.058	21.92	22.80	1.225	0.071	/
	state3		Front Side	10	23790	710	25	MID	-0.15	0.054	21.95	22.80	1.216	0.066	/

	state3		Back Side	10	23800	711	1	MID	-0.04	0.120	21.92	22.80	1.225	**0.147**	40#
	state3		Back Side	10	23790	710	25	MID	0.04	0.113	21.95	22.80	1.216	0.137	/
	state3		Left Edge	10	23800	711	1	MID	-0.17	0.064	21.92	22.80	1.225	0.078	/
	state3		Left Edge	10	23790	710	25	MID	0.11	0.061	21.95	22.80	1.216	0.074	/
	state3		Right Edge	10	23800	711	1	MID	0.01	0.105	21.92	22.80	1.225	0.129	/
	state3		Right Edge	10	23790	710	25	MID	-0.08	0.099	21.95	22.80	1.216	0.120	/
	state3		Bottom Edge	10	23800	711	1	MID	0.13	0.045	21.92	22.80	1.225	0.055	/
	state3		Bottom Edge	10	23790	710	25	MID	0.05	0.041	21.95	22.80	1.216	0.050	/

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

10.13 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	state2	QPSK	Left Cheek	0	26965	841.5	1	MID	0.13	0.425	22.33	23.00	1.167	0.496	/
	state2		Left Cheek	0	26765	821.5	36	MID	0.05	0.413	22.43	23.00	1.140	0.471	/
	state2		Left Tilt	0	26965	841.5	1	MID	-0.09	0.345	22.33	23.00	1.167	0.403	/
	state2		Left Tilt	0	26765	821.5	36	MID	-0.03	0.339	22.43	23.00	1.140	0.386	/
	state2		Right Cheek	0	26965	841.5	1	MID	-0.12	0.599	22.33	23.00	1.167	**0.699**	41#
	state2		Right Cheek	0	26765	821.5	36	MID	-0.13	0.587	22.43	23.00	1.140	0.669	/
	state2		Right Tilt	0	26965	841.5	1	MID	-0.02	0.467	22.33	23.00	1.167	0.545	/
	state2		Right Tilt	0	26765	821.5	36	MID	-0.01	0.449	22.43	23.00	1.140	0.512	/
Ant.1	state4	QPSK	Left Cheek	0	26965	841.5	1	MID	-0.08	0.338	21.33	22.00	1.167	0.394	/
	state4		Left Cheek	0	26765	821.5	36	MID	0.13	0.329	21.37	22.00	1.156	0.380	/
	state4		Left Tilt	0	26965	841.5	1	MID	-0.08	0.274	21.33	22.00	1.167	0.320	/
	state4		Left Tilt	0	26765	821.5	36	MID	0.15	0.268	21.37	22.00	1.156	0.310	/
	state4		Right Cheek	0	26965	841.5	1	MID	-0.06	0.471	21.33	22.00	1.167	0.550	/
	state4		Right Cheek	0	26765	821.5	36	MID	-0.02	0.459	21.37	22.00	1.156	0.531	/
	state4		Right Tilt	0	26965	841.5	1	MID	-0.17	0.371	21.33	22.00	1.167	0.433	/
	state4		Right Tilt	0	26765	821.5	36	MID	-0.15	0.358	21.37	22.00	1.156	0.414	/
Ant.0	state2&4	QPSK	Left Cheek	0	26965	841.5	1	MID	-0.13	0.165	23.78	24.80	1.265	0.209	/
	state2&4		Left Cheek	0	26965	841.5	36	LOW	0.06	0.135	22.87	23.80	1.239	0.167	/
	state2&4		Left Tilt	0	26965	841.5	1	MID	0.09	0.092	23.78	24.80	1.265	0.116	/
	state2&4		Left Tilt	0	26965	841.5	36	LOW	0.10	0.082	22.87	23.80	1.239	0.102	/
	state2&4		Right Cheek	0	26965	841.5	1	MID	-0.16	0.131	23.78	24.80	1.265	0.166	/
	state2&4		Right Cheek	0	26965	841.5	36	LOW	-0.15	0.118	22.87	23.80	1.239	0.146	/
	state2&4		Right Tilt	0	26965	841.5	1	MID	0.07	0.072	23.78	24.80	1.265	0.091	/
	state2&4		Right Tilt	0	26965	841.5	36	LOW	0.12	0.062	22.87	23.80	1.239	0.077	/
Body-worn															
Ant.1	state1	QPSK	Front Side	15	26965	841.5	1	MID	0.06	0.083	23.32	24.00	1.169	0.097	/
	state1		Front Side	15	26765	821.5	36	MID	-0.19	0.075	22.86	23.50	1.159	0.087	/
	state1		Back Side	15	26965	841.5	1	MID	0.01	0.099	23.32	24.00	1.169	0.116	/
	state1		Back Side	15	26765	821.5	36	MID	-0.17	0.087	22.86	23.50	1.159	0.101	/
Ant.0	state1	QPSK	Front Side	15	26965	841.5	1	MID	-0.03	0.095	23.78	24.80	1.265	0.120	/
	state1		Front Side	15	26965	841.5	36	LOW	-0.13	0.084	22.87	23.80	1.239	0.104	/
	state1		Back Side	15	26965	841.5	1	MID	-0.14	0.144	23.78	24.80	1.265	**0.182**	42#
	state1		Back Side	15	26965	841.5	36	LOW	0.08	0.127	22.87	23.80	1.239	0.157	/
Hotspot															
Ant.1	state3	QPSK	Front Side	10	26965	841.5	1	MID	-0.01	0.089	21.33	22.00	1.167	0.104	/
	state3		Front Side	10	26765	821.5	36	MID	0.00	0.082	21.37	22.00	1.156	0.095	/

	state3		Back Side	10	26965	841.5	1	MID	0.14	0.119	21.33	22.00	1.167	0.139	/
	state3		Back Side	10	26765	821.5	36	MID	0.11	0.111	21.37	22.00	1.156	0.128	/
	state3		Right Edge	10	26965	841.5	1	MID	0.07	0.060	21.33	22.00	1.167	0.070	/
	state3		Right Edge	10	26765	821.5	36	MID	-0.04	0.052	21.37	22.00	1.156	0.060	/
	state3		Top Edge	10	26965	841.5	1	MID	-0.16	0.111	21.33	22.00	1.167	0.130	/
	state3		Top Edge	10	26765	821.5	36	MID	0.09	0.106	21.37	22.00	1.156	0.123	/
Ant.0	state3	QPSK	Front Side	10	26965	841.5	1	MID	-0.02	0.069	21.97	22.80	1.211	0.084	/
	state3		Front Side	10	26965	841.5	36	LOW	0.00	0.063	22.04	22.80	1.191	0.075	/
	state3		Back Side	10	26965	841.5	1	MID	0.13	0.165	21.97	22.80	1.211	**0.200**	43#
	state3		Back Side	10	26965	841.5	36	LOW	-0.03	0.159	22.04	22.80	1.191	0.189	/
	state3		Left Edge	10	26965	841.5	1	MID	0.16	0.047	21.97	22.80	1.211	0.057	/
	state3		Left Edge	10	26965	841.5	36	LOW	0.07	0.042	22.04	22.80	1.191	0.050	/
	state3		Right Edge	10	26965	841.5	1	MID	-0.08	0.082	21.97	22.80	1.211	0.099	/
	state3		Right Edge	10	26965	841.5	36	LOW	0.06	0.077	22.04	22.80	1.191	0.092	/
	state3		Bottom Edge	10	26965	841.5	1	MID	-0.14	0.099	21.97	22.80	1.211	0.120	/
	state3		Bottom Edge	10	26965	841.5	36	LOW	0.13	0.089	22.04	22.80	1.191	0.106	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.14 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	state2	QPSK	Left Cheek	0	132322	1745	1	MID	0.06	0.440	17.41	18.00	1.146	0.504	/
	state2		Left Cheek	0	132322	1745	50	LOW	-0.08	0.428	17.38	18.00	1.153	0.493	/
	state2		Left Tilt	0	132322	1745	1	MID	0.08	0.478	17.41	18.00	1.146	0.548	/
	state2		Left Tilt	0	132322	1745	50	LOW	0.11	0.469	17.38	18.00	1.153	0.541	/
	state2		Right Cheek	0	132322	1745	1	MID	-0.02	0.689	17.41	18.00	1.146	0.790	/
	state2		Right Cheek	0	132322	1745	50	LOW	0.10	0.683	17.38	18.00	1.153	0.787	/
	state2		Right Tilt	0	132322	1745	1	MID	0.12	0.708	17.41	18.00	1.146	0.811	/
	state2		Right Tilt	0	132322	1745	50	LOW	-0.13	0.701	17.38	18.00	1.153	0.808	/
	state2		Right Tilt	0	132072	1720	1	MID	-0.01	0.761	17.37	18.00	1.156	**0.880**	44#
	state2		Right Tilt	0	132072	1720	50	MID	-0.17	0.749	17.36	18.00	1.159	0.868	/
	state2		Right Tilt	0	132472	1760	1	MID	-0.05	0.712	17.37	18.00	1.156	0.823	/
	state2		Right Tilt	0	132472	1760	50	LOW	-0.02	0.718	17.33	18.00	1.167	0.838	/
	state2		Right Tilt	0	132072	1720	100	LOW	-0.13	0.725	17.33	18.00	1.167	0.846	/
Ant.1	state4	QPSK	Left Cheek	0	132322	1745	1	MID	-0.11	0.350	16.44	17.00	1.138	0.398	/
	state4		Left Cheek	0	132322	1745	50	MID	0.05	0.344	16.35	17.00	1.161	0.399	/
	state4		Left Tilt	0	132322	1745	1	MID	0.19	0.380	16.44	17.00	1.138	0.432	/
	state4		Left Tilt	0	132322	1745	50	MID	0.12	0.362	16.35	17.00	1.161	0.420	/
	state4		Right Cheek	0	132322	1745	1	MID	-0.18	0.547	16.44	17.00	1.138	0.622	/
	state4		Right Cheek	0	132322	1745	50	MID	0.05	0.533	16.35	17.00	1.161	0.619	/
	state4		Right Tilt	0	132322	1745	1	MID	-0.08	0.563	16.44	17.00	1.138	0.641	/
	state4		Right Tilt	0	132322	1745	50	MID	-0.04	0.573	16.35	17.00	1.161	0.665	/
Ant.0	state2&4	QPSK	Left Cheek	0	132322	1745	1	MID	0.08	0.101	22.31	23.30	1.256	0.127	/
	state2&4		Left Cheek	0	132322	1745	50	LOW	-0.01	0.086	21.21	22.30	1.285	0.111	/
	state2&4		Left Tilt	0	132322	1745	1	MID	-0.19	0.048	22.31	23.30	1.256	0.060	/
	state2&4		Left Tilt	0	132322	1745	50	LOW	-0.12	0.042	21.21	22.30	1.285	0.054	/
	state2&4		Right Cheek	0	132322	1745	1	MID	-0.03	0.072	22.31	23.30	1.256	0.090	/
	state2&4		Right Cheek	0	132322	1745	50	LOW	0.04	0.062	21.21	22.30	1.285	0.080	/
	state2&4		Right Tilt	0	132322	1745	1	MID	-0.16	0.052	22.31	23.30	1.256	0.065	/
	state2&4		Right Tilt	0	132322	1745	50	LOW	0.12	0.051	21.21	22.30	1.285	0.066	/
Body-worn															
Ant.1	state1	QPSK	Front Side	15	132322	1745	1	MID	0.13	0.142	19.49	20.00	1.125	0.160	/
	state1		Front Side	15	132322	1745	50	HIGH	-0.07	0.135	19.36	20.00	1.159	0.156	/
	state1		Back Side	15	132322	1745	1	MID	0.08	0.187	19.49	20.00	1.125	**0.210**	45#
	state1		Back Side	15	132322	1745	50	HIGH	-0.02	0.169	19.36	20.00	1.159	0.196	/
Ant.0	state1	QPSK	Front Side	15	132322	1745	1	MID	0.18	0.074	20.08	20.80	1.180	0.087	/
	state1		Front Side	15	132322	1745	50	MID	-0.01	0.078	20.06	20.80	1.186	0.093	/

	state1		Back Side	15	132322	1745	1	MID	-0.08	0.155	20.08	20.80	1.180	0.183	/
	state1		Back Side	15	132322	1745	50	MID	0.08	0.143	20.06	20.80	1.186	0.170	/
Hotspot															
Ant.1	state3	QPSK	Front Side	10	132322	1745	1	MID	0.14	0.153	17.41	18.00	1.146	0.175	/
	state3		Front Side	10	132322	1745	50	LOW	-0.18	0.145	17.38	18.00	1.153	0.167	/
	state3		Back Side	10	132322	1745	1	MID	0.08	0.200	17.41	18.00	1.146	0.229	/
	state3		Back Side	10	132322	1745	50	LOW	0.14	0.206	17.38	18.00	1.153	0.238	/
	state3		Right Edge	10	132322	1745	1	MID	-0.08	0.045	17.41	18.00	1.146	0.052	/
	state3		Right Edge	10	132322	1745	50	LOW	-0.19	0.053	17.38	18.00	1.153	0.061	/
	state3		Top Edge	10	132322	1745	1	MID	0.19	0.222	17.41	18.00	1.146	0.254	/
	state3		Top Edge	10	132322	1745	50	LOW	-0.08	0.213	17.38	18.00	1.153	0.246	/
Ant.0	state3	QPSK	Front Side	10	132322	1745	1	MID	0.04	0.100	18.17	18.80	1.156	0.116	/
	state3		Front Side	10	132322	1745	50	MID	0.01	0.093	18.11	18.80	1.172	0.109	/
	state3		Back Side	10	132322	1745	1	MID	-0.02	0.202	18.17	18.80	1.156	0.234	/
	state3		Back Side	10	132322	1745	50	MID	0.09	0.188	18.11	18.80	1.172	0.220	/
	state3		Left Edge	10	132322	1745	1	MID	0.14	0.055	18.17	18.80	1.156	0.064	/
	state3		Left Edge	10	132322	1745	50	MID	0.16	0.050	18.11	18.80	1.172	0.059	/
	state3		Right Edge	10	132322	1745	1	MID	-0.09	0.041	18.17	18.80	1.156	0.047	/
	state3		Right Edge	10	132322	1745	50	MID	-0.11	0.038	18.11	18.80	1.172	0.045	/
	state3		Bottom Edge	10	132322	1745	1	MID	0.00	0.294	18.17	18.80	1.156	**0.340**	46#
	state3		Bottom Edge	10	132322	1745	50	MID	0.19	0.286	18.11	18.80	1.172	0.335	/

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

10.15 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	state2	QPSK	Left Cheek	0	38000	2595	1	MID	0.07	0.107	18.21	18.50	1.069	0.114	/
	state2		Left Cheek	0	38000	2595	50	MID	-0.19	0.096	17.88	18.50	1.153	0.111	/
	state2		Left Tilt	0	38000	2595	1	MID	0.10	0.095	18.21	18.50	1.069	0.102	/
	state2		Left Tilt	0	38000	2595	50	MID	0.02	0.087	17.88	18.50	1.153	0.100	/
	state2		Right Cheek	0	38000	2595	1	MID	0.12	0.490	18.21	18.50	1.069	**0.524**	47#
	state2		Right Cheek	0	38000	2595	50	MID	-0.08	0.451	17.88	18.50	1.153	0.520	/
	state2		Right Tilt	0	38000	2595	1	MID	0.15	0.262	18.21	18.50	1.069	0.280	/
	state2		Right Tilt	0	38000	2595	50	MID	-0.11	0.254	17.88	18.50	1.153	0.293	/
Ant.1	state4	QPSK	Left Cheek	0	38000	2595	1	MID	-0.09	0.085	17.13	17.50	1.089	0.093	/
	state4		Left Cheek	0	38000	2595	50	LOW	0.08	0.081	16.91	17.50	1.146	0.093	/
	state4		Left Tilt	0	38000	2595	1	MID	-0.15	0.075	17.13	17.50	1.089	0.082	/
	state4		Left Tilt	0	38000	2595	50	LOW	0.16	0.074	16.91	17.50	1.146	0.085	/
	state4		Right Cheek	0	38000	2595	1	MID	0.19	0.389	17.13	17.50	1.089	0.424	/
	state4		Right Cheek	0	38000	2595	50	LOW	0.03	0.363	16.91	17.50	1.146	0.416	/
	state4		Right Tilt	0	38000	2595	1	MID	0.15	0.209	17.13	17.50	1.089	0.228	/
	state4		Right Tilt	0	38000	2595	50	LOW	-0.18	0.218	16.91	17.50	1.146	0.250	/
Ant.0	state2&4	QPSK	Left Cheek	0	38150	2610	1	MID	-0.12	0.126	23.45	24.30	1.216	0.153	/
	state2&4		Left Cheek	0	38000	2595	50	MID	-0.04	0.105	22.15	23.30	1.303	0.137	/
	state2&4		Left Tilt	0	38150	2610	1	MID	0.07	0.115	23.45	24.30	1.216	0.140	/
	state2&4		Left Tilt	0	38000	2595	50	MID	-0.09	0.095	22.15	23.30	1.303	0.124	/
	state2&4		Right Cheek	0	38150	2610	1	MID	0.16	0.257	23.45	24.30	1.216	0.313	/
	state2&4		Right Cheek	0	38000	2595	50	MID	0.14	0.211	22.15	23.30	1.303	0.275	/
	state2&4		Right Tilt	0	38150	2610	1	MID	-0.17	0.095	23.45	24.30	1.216	0.116	/
	state2&4		Right Tilt	0	38000	2595	50	MID	0.18	0.075	22.15	23.30	1.303	0.098	/
Body-worn															
Ant.1	state1	QPSK	Front Side	15	38000	2595	1	MID	-0.14	0.121	22.25	22.50	1.059	0.128	/
	state1		Front Side	15	38000	2595	50	HIGH	-0.13	0.099	21.95	22.50	1.135	0.112	/
	state1		Back Side	15	38000	2595	1	MID	-0.06	0.139	22.25	22.50	1.059	0.147	/
	state1		Back Side	15	38000	2595	50	HIGH	0.14	0.118	21.95	22.50	1.135	0.134	/
Ant.0	state1	QPSK	Front Side	15	38150	2610	1	MID	-0.08	0.203	23.45	24.30	1.216	0.247	/
	state1		Front Side	15	38000	2595	50	MID	-0.11	0.162	22.15	23.30	1.303	0.211	/
	state1		Back Side	15	38150	2610	1	MID	0.11	0.212	23.45	24.30	1.216	**0.258**	48#
	state1		Back Side	15	38000	2595	50	MID	0.19	0.172	22.15	23.30	1.303	0.224	/
Hotspot															
Ant.1	state3	QPSK	Front Side	10	38000	2595	1	MID	0.14	0.138	20.23	20.50	1.064	0.147	/
	state3		Front Side	10	38000	2595	50	MID	-0.06	0.116	19.91	20.50	1.146	0.133	/

	state3		Back Side	10	38000	2595	1	MID	0.01	0.204	20.23	20.50	1.064	0.217	/
	state3		Back Side	10	38000	2595	50	MID	0.01	0.188	19.91	20.50	1.146	0.215	/
	state3		Right Edge	10	38000	2595	1	MID	-0.10	0.182	20.23	20.50	1.064	0.194	/
	state3		Right Edge	10	38000	2595	50	MID	0.16	0.163	19.91	20.50	1.146	0.187	/
	state3		Top Edge	10	38000	2595	1	MID	-0.05	0.090	20.23	20.50	1.064	0.096	/
	state3		Top Edge	10	38000	2595	50	MID	-0.10	0.078	19.91	20.50	1.146	0.089	/
Ant.0	state3	QPSK	Front Side	10	38150	2610	1	MID	-0.15	0.240	22.83	23.30	1.114	0.267	/
	state3		Front Side	10	38000	2595	50	MID	-0.02	0.209	22.51	23.30	1.199	0.251	/
	state3		Back Side	10	38150	2610	1	MID	0.07	0.318	22.83	23.30	1.114	**0.354**	49#
	state3		Back Side	10	38000	2595	50	MID	0.18	0.278	22.51	23.30	1.199	0.333	/
	state3		Left Edge	10	38150	2610	1	MID	-0.04	0.204	22.83	23.30	1.114	0.227	/
	state3		Left Edge	10	38000	2595	50	MID	0.17	0.182	22.51	23.30	1.199	0.218	/
	state3		Right Edge	10	38150	2610	1	MID	-0.06	0.036	22.83	23.30	1.114	0.040	/
	state3		Right Edge	10	38000	2595	50	MID	0.17	0.029	22.51	23.30	1.199	0.035	/
	state3		Bottom Edge	10	38150	2610	1	MID	0.11	0.214	22.83	23.30	1.114	0.238	/
	state3		Bottom Edge	10	38000	2595	50	MID	-0.04	0.187	22.51	23.30	1.199	0.224	/

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

10.16 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	state2	QPSK	Left Cheek	0	40765	2607.5	1	MID	-0.18	0.198	18.07	18.50	1.104	0.219	/
	state2		Left Cheek	0	40765	2607.5	50	MID	0.14	0.173	18.01	18.50	1.119	0.194	/
	state2		Left Tilt	0	40765	2607.5	1	MID	0.00	0.181	18.07	18.50	1.104	0.200	/
	state2		Left Tilt	0	40765	2607.5	50	MID	-0.02	0.168	18.01	18.50	1.119	0.188	/
	state2		Right Cheek	0	40765	2607.5	1	MID	0.17	0.556	18.07	18.50	1.104	**0.614**	50#
	state2		Right Cheek	0	40765	2607.5	50	MID	0.05	0.536	18.01	18.50	1.119	0.600	/
	state2		Right Tilt	0	40765	2607.5	1	MID	-0.05	0.486	18.07	18.50	1.104	0.537	/
	state2		Right Tilt	0	40765	2607.5	50	MID	0.16	0.477	18.01	18.50	1.119	0.534	/
Ant.1	state4	QPSK	Left Cheek	0	40765	2607.5	1	MID	0.00	0.158	17.08	17.50	1.102	0.174	/
	state4		Left Cheek	0	40765	2607.5	50	MID	-0.13	0.141	16.93	17.50	1.140	0.161	/
	state4		Left Tilt	0	40765	2607.5	1	MID	0.09	0.144	17.08	17.50	1.102	0.159	/
	state4		Left Tilt	0	40765	2607.5	50	MID	0.17	0.129	16.93	17.50	1.140	0.147	/
	state4		Right Cheek	0	40765	2607.5	1	MID	-0.11	0.440	17.08	17.50	1.102	0.485	/
	state4		Right Cheek	0	40765	2607.5	50	MID	0.09	0.403	16.93	17.50	1.140	0.459	/
	state4		Right Tilt	0	40765	2607.5	1	MID	0.04	0.386	17.08	17.50	1.102	0.425	/
	state4		Right Tilt	0	40765	2607.5	50	MID	-0.18	0.353	16.93	17.50	1.140	0.402	/
Ant.0	state2&4	QPSK	Left Cheek	0	40765	2607.5	1	MID	-0.15	0.114	22.81	23.80	1.256	0.143	/
	state2&4		Left Cheek	0	40765	2607.5	50	MID	-0.03	0.092	21.83	22.80	1.250	0.115	/
	state2&4		Left Tilt	0	40765	2607.5	1	MID	0.15	0.100	22.81	23.80	1.256	0.126	/
	state2&4		Left Tilt	0	40765	2607.5	50	MID	-0.15	0.082	21.83	22.80	1.250	0.103	/
	state2&4		Right Cheek	0	40765	2607.5	1	MID	0.07	0.229	22.81	23.80	1.256	0.288	/
	state2&4		Right Cheek	0	40765	2607.5	50	MID	0.17	0.194	21.83	22.80	1.250	0.243	/
	state2&4		Right Tilt	0	40765	2607.5	1	MID	-0.17	0.082	22.81	23.80	1.256	0.103	/
	state2&4		Right Tilt	0	40765	2607.5	50	MID	-0.01	0.068	21.83	22.80	1.250	0.085	/
Body-worn															
Ant.1	state1	QPSK	Front Side	15	40765	2607.5	1	MID	0.11	0.220	22.16	22.50	1.081	0.238	/
	state1		Front Side	15	40765	2607.5	50	MID	-0.07	0.198	22.03	22.50	1.114	0.221	/
	state1		Back Side	15	40765	2607.5	1	MID	0.15	0.251	22.16	22.50	1.081	**0.271**	51#
	state1		Back Side	15	40765	2607.5	50	MID	0.05	0.226	22.03	22.50	1.114	0.252	/
Ant.0	state1	QPSK	Front Side	15	40765	2607.5	1	MID	-0.13	0.124	22.81	23.80	1.256	0.156	/
	state1		Front Side	15	40765	2607.5	50	MID	0.06	0.111	21.83	22.80	1.250	0.139	/
	state1		Back Side	15	40765	2607.5	1	MID	-0.02	0.134	22.81	23.80	1.256	0.168	/
	state1		Back Side	15	40765	2607.5	50	MID	0.12	0.115	21.83	22.80	1.250	0.144	/
Hotspot															
Ant.1	state3	QPSK	Front Side	10	40765	2607.5	1	MID	-0.06	0.147	20.18	20.50	1.076	0.158	/
	state3		Front Side	10	40765	2607.5	50	HIGH	-0.12	0.123	19.95	20.50	1.135	0.140	/

	state3		Back Side	10	40765	2607.5	1	MID	-0.15	0.196	20.18	20.50	1.076	0.211	/
	state3		Back Side	10	40765	2607.5	50	HIGH	-0.12	0.171	19.95	20.50	1.135	0.194	/
	state3		Right Edge	10	40765	2607.5	1	MID	0.16	0.188	20.18	20.50	1.076	0.202	/
	state3		Right Edge	10	40765	2607.5	50	HIGH	0.03	0.156	19.95	20.50	1.135	0.177	/
	state3		Top Edge	10	40765	2607.5	1	MID	0.17	0.074	20.18	20.50	1.076	0.080	/
	state3		Top Edge	10	40765	2607.5	50	HIGH	-0.05	0.068	19.95	20.50	1.135	0.077	/
Ant.0	state3	QPSK	Front Side	10	40765	2607.5	1	MID	-0.14	0.247	22.72	23.30	1.143	0.282	/
	state3		Front Side	10	40765	2607.5	50	MID	0.14	0.219	22.15	22.80	1.161	0.254	/
	state3		Back Side	10	40765	2607.5	1	MID	0.15	0.333	22.72	23.30	1.143	**0.381**	52#
	state3		Back Side	10	40765	2607.5	50	MID	-0.08	0.311	22.15	22.80	1.161	0.361	/
	state3		Left Edge	10	40765	2607.5	1	MID	-0.08	0.200	22.72	23.30	1.143	0.229	/
	state3		Left Edge	10	40765	2607.5	50	MID	0.02	0.188	22.15	22.80	1.161	0.218	/
	state3		Right Edge	10	40765	2607.5	1	MID	0.19	0.026	22.72	23.30	1.143	0.030	/
	state3		Right Edge	10	40765	2607.5	50	MID	0.17	0.023	22.15	22.80	1.161	0.027	/
	state3		Bottom Edge	10	40765	2607.5	1	MID	-0.08	0.218	22.72	23.30	1.143	0.249	/
	state3		Bottom Edge	10	40765	2607.5	50	MID	-0.02	0.198	22.15	22.80	1.161	0.230	/

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

10.17 WIFI 2.4GHz

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.2	Level1	802.11 b	Left Cheek	0	6	2437	0.03	0.666	13.25	15.00	1.496	96.87	1.032	1.028	/
	Level1		Left Tilt	0	6	2437	-0.03	0.585	13.25	15.00	1.496	96.87	1.032	0.903	/
	Level1		Right Cheek	0	6	2437	-0.06	0.328	13.25	15.00	1.496	96.87	1.032	0.506	/
	Level1		Right Tilt	0	6	2437	0.06	0.385	13.25	15.00	1.496	96.87	1.032	0.594	/
	Level1		Left Cheek	0	5	2432	0.14	0.777	13.91	15.00	1.285	96.87	1.032	**1.030**	53#
	Level1		Left Cheek	0	7	2442	0.02	0.658	13.31	15.00	1.476	96.87	1.032	1.002	/
Ant.2	Level2	802.11 b	Left Cheek	0	6	2437	-0.03	0.251	8.67	10.00	1.358	96.87	1.032	0.352	/
	Level2		Left Tilt	0	6	2437	0.07	0.190	8.67	10.00	1.358	96.87	1.032	0.266	/
	Level2		Right Cheek	0	6	2437	-0.08	0.100	8.67	10.00	1.358	96.87	1.032	0.140	/
	Level2		Right Tilt	0	6	2437	-0.19	0.124	8.67	10.00	1.358	96.87	1.032	0.174	/
Body-worn															
Ant.2	Level3	802.11 b	Front Side	15	6	2437	0.09	0.184	15.05	17.00	1.567	96.87	1.032	0.298	/
	Level3		Back Side	15	6	2437	-0.01	0.220	15.05	17.00	1.567	96.87	1.032	**0.356**	54#
Hotspot															
Ant.2	Level3	802.11 b	Front Side	10	6	2437	-0.13	0.256	15.05	17.00	1.567	96.87	1.032	0.414	/
	Level3		Back Side	10	6	2437	0.04	0.371	15.05	17.00	1.567	96.87	1.032	**0.600**	55#
	Level3		Left Edge	10	6	2437	0.01	0.279	15.05	17.00	1.567	96.87	1.032	0.451	/
	Level3		Top Edge	10	6	2437	0.12	0.354	15.05	17.00	1.567	96.87	1.032	0.572	/
Ant.2	Level4	802.11 b	Front Side	10	6	2437	-0.02	0.196	13.25	15.00	1.496	96.87	1.032	0.303	/
	Level4		Back Side	10	6	2437	0.01	0.267	13.25	15.00	1.496	96.87	1.032	0.412	/
	Level4		Left Edge	10	6	2437	0.19	0.189	13.25	15.00	1.496	96.87	1.032	0.292	/
	Level4		Top Edge	10	6	2437	0.14	0.266	13.25	15.00	1.496	96.87	1.032	0.411	/

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

10.18 WIFI 5GHz

Antenna	Band	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.2	5.3G	Level1	802.11n(HT40)	Left Cheek	0	54	5270	0.12	0.392	13.88	15.50	1.452	87.92	1.137	**0.647**	56#
		Level1		Left Tilt	0	54	5270	-0.08	0.275	13.88	15.50	1.452	87.92	1.137	0.454	/
		Level1		Right Cheek	0	54	5270	-0.17	0.143	13.88	15.50	1.452	87.92	1.137	0.236	/
		Level1		Right Tilt	0	54	5270	0.03	0.170	13.88	15.50	1.452	87.92	1.137	0.281	/
Ant.2	5.3G	Level2	802.11n(HT40)	Left Cheek	0	54	5270	0.05	0.114	8.86	10.50	1.459	87.92	1.137	0.189	/
		Level2		Left Tilt	0	54	5270	-0.09	0.086	8.86	10.50	1.459	87.92	1.137	0.143	/
		Level2		Right Cheek	0	54	5270	-0.14	0.032	8.86	10.50	1.459	87.92	1.137	0.053	/
		Level2		Right Tilt	0	54	5270	-0.11	0.076	8.86	10.50	1.459	87.92	1.137	0.126	/
Ant.2	5.6G	Level1	802.11ac(VHT80)	Left Cheek	0	122	5610	0.18	0.410	13.88	15.50	1.452	87.92	1.137	**0.677**	57#
		Level1		Left Tilt	0	122	5610	0.01	0.328	13.88	15.50	1.452	87.92	1.137	0.542	/
		Level1		Right Cheek	0	122	5610	0.16	0.169	13.88	15.50	1.452	87.92	1.137	0.279	/
		Level1		Right Tilt	0	122	5610	-0.15	0.207	13.88	15.50	1.452	87.92	1.137	0.342	/
Ant.2	5.6G	Level2	802.11ac(VHT80)	Left Cheek	0	122	5610	0.17	0.131	8.88	10.50	1.452	87.92	1.137	0.216	/
		Level2		Left Tilt	0	122	5610	-0.16	0.100	8.88	10.50	1.452	87.92	1.137	0.165	/
		Level2		Right Cheek	0	122	5610	0.09	0.072	8.88	10.50	1.452	87.92	1.137	0.119	/
		Level2		Right Tilt	0	122	5610	0.19	0.081	8.88	10.50	1.452	87.92	1.137	0.134	/
Ant.2	5.8G	Level1	802.11ac(VHT80)	Left Cheek	0	155	5775	0.00	0.382	14.01	15.50	1.409	87.92	1.137	**0.612**	58#
		Level1		Left Tilt	0	155	5775	0.18	0.323	14.01	15.50	1.409	87.92	1.137	0.517	/
		Level1		Right Cheek	0	155	5775	-0.09	0.171	14.01	15.50	1.409	87.92	1.137	0.274	/
		Level1		Right Tilt	0	155	5775	0.13	0.139	14.01	15.50	1.409	87.92	1.137	0.223	/
Ant.2	5.8G	Level2	802.11ac(VHT80)	Left Cheek	0	155	5775	-0.05	0.119	8.91	10.50	1.442	87.92	1.137	0.195	/
		Level2		Left Tilt	0	155	5775	-0.05	0.090	8.91	10.50	1.442	87.92	1.137	0.148	/
		Level2		Right Cheek	0	155	5775	0.16	0.053	8.91	10.50	1.442	87.92	1.137	0.087	/
		Level2		Right Tilt	0	155	5775	-0.19	0.052	8.91	10.50	1.442	87.92	1.137	0.085	/
Body-worn																
Ant.2	5.3G	Level3	802.11n(HT40)	Front Side	15	54	5270	0.16	0.107	15.66	17.50	1.528	87.92	1.137	0.186	/
		Level3		Back Side	15	54	5270	0.03	0.286	15.66	17.50	1.528	87.92	1.137	**0.497**	59#
Ant.2	5.6G	Level3	802.11ac(VHT80)	Front Side	15	122	5610	-0.13	0.099	15.75	17.50	1.496	87.92	1.137	0.168	/
		Level3		Back Side	15	122	5610	0.07	0.317	15.75	17.50	1.496	87.92	1.137	**0.539**	60#
Ant.2	5.8G	Level3	802.11ac(VHT80)	Front Side	15	155	5775	0.10	0.068	15.69	17.50	1.517	87.92	1.137	0.117	/
		Level3		Back Side	15	155	5775	0.05	0.243	15.69	17.50	1.517	87.92	1.137	**0.419**	61#
Hotspot																
Ant.2	5.2G	Level3	802.11n(HT40)	Front Side	10	46	5230	0.17	0.174	15.75	17.50	1.496	87.92	1.137	0.296	/
		Level3		Back Side	10	46	5230	-0.15	0.383	15.75	17.50	1.496	87.92	1.137	0.651	/
		Level3		Left Edge	10	46	5230	0.05	0.397	15.75	17.50	1.496	87.92	1.137	**0.675**	62#
		Level3		Top Edge	10	46	5230	0.15	0.335	15.75	17.50	1.496	87.92	1.137	0.570	/

Ant.2	5.2G	Level4	802.11n(HT40)	Front Side	10	46	5230	0.12	0.048	10.92	12.50	1.439	87.92	1.137	0.079	/
		Level4		Back Side	10	46	5230	-0.15	0.117	10.92	12.50	1.439	87.92	1.137	0.191	/
		Level4		Left Edge	10	46	5230	0.19	0.122	10.92	12.50	1.439	87.92	1.137	0.200	/
		Level4		Top Edge	10	46	5230	0.07	0.100	10.92	12.50	1.439	87.92	1.137	0.164	/
Ant.2	5.8G	Level3	802.11ac(VHT80)	Front Side	10	155	5775	-0.16	0.139	15.69	17.50	1.517	87.92	1.137	0.240	/
		Level3		Back Side	10	155	5775	0.15	0.480	15.69	17.50	1.517	87.92	1.137	**0.828**	63#
		Level3		Left Edge	10	155	5775	0.05	0.431	15.69	17.50	1.517	87.92	1.137	0.743	/
		Level3		Top Edge	10	155	5775	0.03	0.312	15.69	17.50	1.517	87.92	1.137	0.538	/
Ant.2	5.8G	Level4	802.11ac(VHT80)	Front Side	10	155	5775	0.18	0.038	10.96	12.50	1.426	87.92	1.137	0.062	/
		Level4		Back Side	10	155	5775	0.09	0.141	10.96	12.50	1.426	87.92	1.137	0.229	/
		Level4		Left Edge	10	155	5775	0.14	0.113	10.96	12.50	1.426	87.92	1.137	0.183	/
		Level4		Top Edge	10	155	5775	-0.04	0.106	10.96	12.50	1.426	87.92	1.137	0.172	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Band	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g 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	Level3	802.11n(HT40)	Front Side	0	54	5270	-0.08	0.363	15.66	17.50	1.528	87.92	1.137	0.631	/
		Level3		Back Side	0	54	5270	-0.16	0.530	15.66	17.50	1.528	87.92	1.137	0.921	/
		Level3		Left Edge	0	54	5270	0.04	0.785	15.66	17.50	1.528	87.92	1.137	**1.354**	64#
		Level3		Top Edge	0	54	5270	-0.04	0.306	15.66	17.50	1.528	87.92	1.137	0.532	/
Ant.2	5.3G	Level4	802.11n(HT40)	Front Side	0	54	5270	0.19	0.142	11.03	12.50	1.422	87.92	1.137	0.227	/
		Level4		Back Side	0	54	5270	-0.14	0.167	11.03	12.50	1.422	87.92	1.137	0.266	/
		Level4		Left Edge	0	54	5270	-0.03	0.265	11.03	12.50	1.422	87.92	1.137	0.423	/
		Level4		Top Edge	0	54	5270	-0.17	0.120	11.03	12.50	1.422	87.92	1.137	0.191	/
Ant.2	5.6G	Level3	802.11ac (VHT80)	Front Side	0	122	5610	-0.01	0.292	15.75	17.50	1.496	87.92	1.137	0.497	/
		Level3		Back Side	0	122	5610	-0.05	0.334	15.75	17.50	1.496	87.92	1.137	0.568	/
		Level3		Left Edge	0	122	5610	0.11	0.676	15.75	17.50	1.496	87.92	1.137	**1.150**	65#
		Level3		Top Edge	0	122	5610	-0.15	0.258	15.75	17.50	1.496	87.92	1.137	0.439	/
Ant.2	5.6G	Level4	802.11ac (VHT80)	Front Side	0	122	5610	-0.19	0.086	10.98	12.50	1.442	87.92	1.137	0.139	/
		Level4		Back Side	0	122	5610	-0.05	0.094	10.98	12.50	1.442	87.92	1.137	0.152	/
		Level4		Left Edge	0	122	5610	-0.17	0.205	10.98	12.50	1.442	87.92	1.137	0.331	/
		Level4		Top Edge	0	122	5610	-0.11	0.086	10.98	12.50	1.442	87.92	1.137	0.139	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.19 Bluetooth

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.2	Level1&2	DH5	Left Cheek	0	39	2441	-0.16	0.239	12.27	14.00	1.489	76.67	1.304	**0.464**	66#
	Level1&2		Left Tilt	0	39	2441	0.03	0.163	12.27	14.00	1.489	76.67	1.304	0.316	/
	Level1&2		Right Cheek	0	39	2441	-0.12	0.098	12.27	14.00	1.489	76.67	1.304	0.190	/
	Level1&2		Right Tilt	0	39	2441	0.00	0.107	12.27	14.00	1.489	76.67	1.304	0.208	/
Body-worn															
Ant.2	Level3&4	DH5	Front Side	15	39	2441	0.16	0.024	12.27	14.00	1.489	76.67	1.304	0.047	/
	Level3&4		Back Side	15	39	2441	0.11	0.039	12.27	14.00	1.489	76.67	1.304	**0.076**	67#
Hotspot															
Ant.2	Level3&4	DH5	Front Side	10	39	2441	0.07	0.040	12.27	14.00	1.489	76.67	1.304	0.078	/
	Level3&4		Back Side	10	39	2441	-0.01	0.049	12.27	14.00	1.489	76.67	1.304	0.095	/
	Level3&4		Left Edge	10	39	2441	-0.06	0.035	12.27	14.00	1.489	76.67	1.304	0.068	/
	Level3&4		Top Edge	10	39	2441	0.01	0.053	12.27	14.00	1.489	76.67	1.304	**0.103**	68#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11 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.

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated^{1th} Measured SAR (W/kg)	Largest to Smallest SAR Radio
1900	GSM	Head	Right Tilt	0.849	Yes	0.826	1.03
1700	WCDMA band 4	Head	Right Cheek	0.809	Yes	0.801	1.01
Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20, the second repeated measurement. is not required.							

12 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).

12.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot
1	WWAN + 2.4G WIFI	Yes	Yes	Yes
2	WWAN + BT	Yes	Yes	Yes
3	5G WIFI + BT	Yes	Yes	Yes
4	WWAN + 5G WIFI + BT	Yes	Yes	Yes

Note:

1. WiFi 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.
2. The maximum SAR summation is calculated based on the same configuration and test position.
3. The simultaneous transmission combinations of the more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations is shown in this report.

12.2 Sum SAR of Simultaneous Transmission

12.2.1 Head Simultaneous Transmission SAR Evaluation for WWAN and WLAN

Band	Antenna	State	Position	Stand alone SAR				SUM SAR	
				1	2	3	4		
				WWAN	2.4GWIFI Level2	5G Max.WIFI Level2	Bluetooth Level2	1+2	1+3+4
GSM850	Ant.1	state4	Left Cheek	0.343	0.352	0.216	0.464	0.695	1.023
		state4	Left Tilt	0.289	0.266	0.165	0.316	0.555	0.770
		state4	Right Cheek	0.504	0.140	0.119	0.190	0.644	0.813
		state4	Right Tilt	0.376	0.174	0.134	0.208	0.550	0.718
GSM850	Ant.0	state4	Left Cheek	0.173	0.352	0.216	0.464	0.525	0.853
		state4	Left Tilt	0.101	0.266	0.165	0.316	0.367	0.582
		state4	Right Cheek	0.147	0.140	0.119	0.190	0.287	0.456
		state4	Right Tilt	0.072	0.174	0.134	0.208	0.246	0.414
GSM1900	Ant.1	state4	Left Cheek	0.401	0.352	0.216	0.464	0.753	1.081
		state4	Left Tilt	0.470	0.266	0.165	0.316	0.736	0.951
		state4	Right Cheek	0.609	0.140	0.119	0.190	0.749	0.918
		state4	Right Tilt	0.703	0.174	0.134	0.208	0.877	1.045
GSM1900	Ant.0	state4	Left Cheek	0.084	0.352	0.216	0.464	0.436	0.764
		state4	Left Tilt	0.058	0.266	0.165	0.316	0.324	0.539
		state4	Right Cheek	0.072	0.140	0.119	0.190	0.212	0.381
		state4	Right Tilt	0.048	0.174	0.134	0.208	0.222	0.390
WCDMA B2	Ant.1	state4	Left Cheek	0.325	0.352	0.216	0.464	0.677	1.005
		state4	Left Tilt	0.392	0.266	0.165	0.316	0.658	0.873
		state4	Right Cheek	0.538	0.140	0.119	0.190	0.678	0.847
		state4	Right Tilt	0.581	0.174	0.134	0.208	0.755	0.923
WCDMA B2	Ant.0	state4	Left Cheek	0.179	0.352	0.216	0.464	0.531	0.859
		state4	Left Tilt	0.121	0.266	0.165	0.316	0.387	0.602
		state4	Right Cheek	0.154	0.140	0.119	0.190	0.294	0.463
		state4	Right Tilt	0.095	0.174	0.134	0.208	0.269	0.437
WCDMA B4	Ant.1	state4	Left Cheek	0.414	0.352	0.216	0.464	0.766	1.094
		state4	Left Tilt	0.457	0.266	0.165	0.316	0.723	0.938
		state4	Right Cheek	0.711	0.140	0.119	0.190	0.851	1.020
		state4	Right Tilt	0.737	0.174	0.134	0.208	0.911	1.079
WCDMA B4	Ant.0	state4	Left Cheek	0.161	0.352	0.216	0.464	0.513	0.841
		state4	Left Tilt	0.064	0.266	0.165	0.316	0.330	0.545
		state4	Right Cheek	0.131	0.140	0.119	0.190	0.271	0.440
		state4	Right Tilt	0.075	0.174	0.134	0.208	0.249	0.417
WCDMA B5	Ant.1	state4	Left Cheek	0.416	0.352	0.216	0.464	0.768	**1.096**
		state4	Left Tilt	0.371	0.266	0.165	0.316	0.637	0.852
		state4	Right Cheek	0.586	0.140	0.119	0.190	0.726	0.895

		state4	Right Tilt	0.488	0.174	0.134	0.208	0.662	0.830
WCDMA B5	Ant.0	state4	Left Cheek	0.237	0.352	0.216	0.464	0.589	0.917
		state4	Left Tilt	0.135	0.266	0.165	0.316	0.401	0.616
		state4	Right Cheek	0.201	0.140	0.119	0.190	0.341	0.510
		state4	Right Tilt	0.111	0.174	0.134	0.208	0.285	0.453
LTE B2	Ant.1	state4	Left Cheek	0.375	0.352	0.216	0.464	0.727	1.055
		state4	Left Tilt	0.450	0.266	0.165	0.316	0.716	0.931
		state4	Right Cheek	0.627	0.140	0.119	0.190	0.767	0.936
		state4	Right Tilt	0.676	0.174	0.134	0.208	0.850	1.018
LTE B2	Ant.0	state4	Left Cheek	0.143	0.352	0.216	0.464	0.495	0.823
		state4	Left Tilt	0.114	0.266	0.165	0.316	0.380	0.595
		state4	Right Cheek	0.122	0.140	0.119	0.190	0.262	0.431
		state4	Right Tilt	0.104	0.174	0.134	0.208	0.278	0.446
LTE B4	Ant.1	state4	Left Cheek	0.413	0.352	0.216	0.464	0.765	1.093
		state4	Left Tilt	0.449	0.266	0.165	0.316	0.715	0.930
		state4	Right Cheek	0.643	0.140	0.119	0.190	0.783	0.952
		state4	Right Tilt	0.677	0.174	0.134	0.208	0.851	1.019
LTE B4	Ant.0	state4	Left Cheek	0.121	0.352	0.216	0.464	0.473	0.801
		state4	Left Tilt	0.055	0.266	0.165	0.316	0.321	0.536
		state4	Right Cheek	0.093	0.140	0.119	0.190	0.233	0.402
		state4	Right Tilt	0.054	0.174	0.134	0.208	0.228	0.396
LTE B5	Ant.1	state4	Left Cheek	0.295	0.352	0.216	0.464	0.647	0.975
		state4	Left Tilt	0.259	0.266	0.165	0.316	0.525	0.740
		state4	Right Cheek	0.425	0.140	0.119	0.190	0.565	0.734
		state4	Right Tilt	0.346	0.174	0.134	0.208	0.520	0.688
LTE B5	Ant.0	state4	Left Cheek	0.186	0.352	0.216	0.464	0.538	0.866
		state4	Left Tilt	0.105	0.266	0.165	0.316	0.371	0.586
		state4	Right Cheek	0.151	0.140	0.119	0.190	0.291	0.460
		state4	Right Tilt	0.076	0.174	0.134	0.208	0.250	0.418
LTE B7	Ant.1	state4	Left Cheek	0.150	0.352	0.216	0.464	0.502	0.830
		state4	Left Tilt	0.136	0.266	0.165	0.316	0.402	0.617
		state4	Right Cheek	0.449	0.140	0.119	0.190	0.589	0.758
		state4	Right Tilt	0.428	0.174	0.134	0.208	0.602	0.770
LTE B7	Ant.0	state4	Left Cheek	0.132	0.352	0.216	0.464	0.484	0.812
		state4	Left Tilt	0.113	0.266	0.165	0.316	0.379	0.594
		state4	Right Cheek	0.216	0.140	0.119	0.190	0.356	0.525
		state4	Right Tilt	0.132	0.174	0.134	0.208	0.306	0.474
LTE B12	Ant.1	state4	Left Cheek	0.053	0.352	0.216	0.464	0.405	0.733
		state4	Left Tilt	0.050	0.266	0.165	0.316	0.316	0.531
		state4	Right Cheek	0.080	0.140	0.119	0.190	0.220	0.389
		state4	Right Tilt	0.063	0.174	0.134	0.208	0.237	0.405
LTE B12	Ant.0	state4	Left Cheek	0.143	0.352	0.216	0.464	0.495	0.823
		state4	Left Tilt	0.071	0.266	0.165	0.316	0.337	0.552

		state4	Right Cheek	0.100	0.140	0.119	0.190	0.240	0.409
		state4	Right Tilt	0.059	0.174	0.134	0.208	0.233	0.401
LTE B13	Ant.1	state4	Left Cheek	0.192	0.352	0.216	0.464	0.544	0.872
		state4	Left Tilt	0.162	0.266	0.165	0.316	0.428	0.643
		state4	Right Cheek	0.295	0.140	0.119	0.190	0.435	0.604
		state4	Right Tilt	0.233	0.174	0.134	0.208	0.407	0.575
LTE B13	Ant.0	state4	Left Cheek	0.169	0.352	0.216	0.464	0.521	0.849
		state4	Left Tilt	0.102	0.266	0.165	0.316	0.368	0.583
		state4	Right Cheek	0.133	0.140	0.119	0.190	0.273	0.442
		state4	Right Tilt	0.086	0.174	0.134	0.208	0.260	0.428
LTE B17	Ant.1	state4	Left Cheek	0.059	0.352	0.216	0.464	0.411	0.739
		state4	Left Tilt	0.053	0.266	0.165	0.316	0.319	0.534
		state4	Right Cheek	0.088	0.140	0.119	0.190	0.228	0.397
		state4	Right Tilt	0.069	0.174	0.134	0.208	0.243	0.411
LTE B17	Ant.0	state4	Left Cheek	0.148	0.352	0.216	0.464	0.500	0.828
		state4	Left Tilt	0.085	0.266	0.165	0.316	0.351	0.566
		state4	Right Cheek	0.124	0.140	0.119	0.190	0.264	0.433
		state4	Right Tilt	0.077	0.174	0.134	0.208	0.251	0.419
LTE B26	Ant.1	state4	Left Cheek	0.394	0.352	0.216	0.464	0.746	1.074
		state4	Left Tilt	0.320	0.266	0.165	0.316	0.586	0.801
		state4	Right Cheek	0.550	0.140	0.119	0.190	0.690	0.859
		state4	Right Tilt	0.433	0.174	0.134	0.208	0.607	0.775
LTE B26	Ant.0	state4	Left Cheek	0.209	0.352	0.216	0.464	0.561	0.889
		state4	Left Tilt	0.116	0.266	0.165	0.316	0.382	0.597
		state4	Right Cheek	0.166	0.140	0.119	0.190	0.306	0.475
		state4	Right Tilt	0.091	0.174	0.134	0.208	0.265	0.433
LTE B66	Ant.1	state4	Left Cheek	0.399	0.352	0.216	0.464	0.751	1.079
		state4	Left Tilt	0.432	0.266	0.165	0.316	0.698	0.913
		state4	Right Cheek	0.622	0.140	0.119	0.190	0.762	0.931
		state4	Right Tilt	0.665	0.174	0.134	0.208	0.839	1.007
LTE B66	Ant.0	state4	Left Cheek	0.127	0.352	0.216	0.464	0.479	0.807
		state4	Left Tilt	0.060	0.266	0.165	0.316	0.326	0.541
		state4	Right Cheek	0.090	0.140	0.119	0.190	0.230	0.399
		state4	Right Tilt	0.066	0.174	0.134	0.208	0.240	0.408
LTE B38	Ant.1	state4	Left Cheek	0.093	0.352	0.216	0.464	0.445	0.773
		state4	Left Tilt	0.085	0.266	0.165	0.316	0.351	0.566
		state4	Right Cheek	0.267	0.140	0.119	0.190	0.407	0.576
		state4	Right Tilt	0.250	0.174	0.134	0.208	0.424	0.592
LTE B38	Ant.0	state4	Left Cheek	0.093	0.352	0.216	0.464	0.445	0.773
		state4	Left Tilt	0.085	0.266	0.165	0.316	0.351	0.566
		state4	Right Cheek	0.424	0.140	0.119	0.190	0.564	0.733
		state4	Right Tilt	0.250	0.174	0.134	0.208	0.424	0.592
LTE B41	Ant.1	state4	Left Cheek	0.174	0.352	0.216	0.464	0.526	0.854

		state4	Left Tilt	0.159	0.266	0.165	0.316	0.425	0.640
		state4	Right Cheek	0.485	0.140	0.119	0.190	0.625	0.794
		state4	Right Tilt	0.425	0.174	0.134	0.208	0.599	0.767
LTE B41	Ant.0	state4	Left Cheek	0.143	0.352	0.216	0.464	0.495	0.823
		state4	Left Tilt	0.126	0.266	0.165	0.316	0.392	0.607
		state4	Right Cheek	0.288	0.140	0.119	0.190	0.428	0.597
		state4	Right Tilt	0.103	0.174	0.134	0.208	0.277	0.445

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 1.096 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.2 Body Simultaneous Transmission SAR Evaluation for WWAN and WLAN

Band	Antenna	State	Position	Stand alone SAR				SUM SAR	
				1	2	3	4		
				WWAN	2.4GWIFI Level4	5G Max.WIFI Level4	Bluetooth Level4	1+2	1+3+4
GSM850	Ant.1	state1	Front Side 15mm	0.058	0.298	0.186	0.047	0.356	0.291
		state1	Back Side 15mm	0.068	0.362	0.539	0.076	0.430	0.683
GSM850	Ant.0	state1	Front Side 15mm	0.114	0.298	0.186	0.047	0.412	0.347
		state1	Back Side 15mm	0.163	0.362	0.539	0.076	0.525	0.778
GSM1900	Ant.1	state1	Front Side 15mm	0.142	0.298	0.186	0.047	0.440	0.375
		state1	Back Side 15mm	0.189	0.362	0.539	0.076	0.551	0.804
GSM1900	Ant.0	state1	Front Side 15mm	0.129	0.298	0.186	0.047	0.427	0.362
		state1	Back Side 15mm	0.265	0.362	0.539	0.076	0.627	0.880
WCDMA B2	Ant.1	state1	Front Side 15mm	0.149	0.298	0.186	0.047	0.447	0.382
		state1	Back Side 15mm	0.198	0.362	0.539	0.076	0.560	0.813
WCDMA B2	Ant.0	state1	Front Side 15mm	0.115	0.298	0.186	0.047	0.413	0.348
		state1	Back Side 15mm	0.259	0.362	0.539	0.076	0.621	0.874
WCDMA B4	Ant.1	state1	Front Side 15mm	0.177	0.298	0.186	0.047	0.475	0.410
		state1	Back Side 15mm	0.258	0.362	0.539	0.076	0.620	0.873
WCDMA B4	Ant.0	state1	Front Side 15mm	0.109	0.298	0.186	0.047	0.407	0.342
		state1	Back Side 15mm	0.211	0.362	0.539	0.076	0.573	0.826
WCDMA B5	Ant.1	state1	Front Side 15mm	0.104	0.298	0.186	0.047	0.402	0.337
		state1	Back Side 15mm	0.120	0.362	0.539	0.076	0.482	0.735
WCDMA B5	Ant.0	state1	Front Side 15mm	0.115	0.298	0.186	0.047	0.413	0.348
		state1	Back Side 15mm	0.160	0.362	0.539	0.076	0.522	0.775
LTE B2	Ant.1	state1	Front Side 15mm	0.132	0.298	0.186	0.047	0.430	0.365
		state1	Back Side 15mm	0.187	0.362	0.539	0.076	0.549	0.802
LTE B2	Ant.0	state1	Front Side 15mm	0.111	0.298	0.186	0.047	0.409	0.344
		state1	Back Side 15mm	0.301	0.362	0.539	0.076	0.663	0.916
LTE B4	Ant.1	state1	Front Side 15mm	0.140	0.298	0.186	0.047	0.438	0.373
		state1	Back Side 15mm	0.227	0.362	0.539	0.076	0.589	0.842
LTE B4	Ant.0	state1	Front Side 15mm	0.090	0.298	0.186	0.047	0.388	0.323
		state1	Back Side 15mm	0.180	0.362	0.539	0.076	0.542	0.795
LTE B5	Ant.1	state1	Front Side 15mm	0.078	0.298	0.186	0.047	0.376	0.311
		state1	Back Side 15mm	0.091	0.362	0.539	0.076	0.453	0.706
LTE B5	Ant.0	state1	Front Side 15mm	0.138	0.298	0.186	0.047	0.436	0.371
		state1	Back Side 15mm	0.201	0.362	0.539	0.076	0.563	0.816
LTE B7	Ant.1	state1	Front Side 15mm	0.147	0.298	0.186	0.047	0.445	0.380
		state1	Back Side 15mm	0.183	0.362	0.539	0.076	0.545	0.798
LTE B7	Ant.0	state1	Front Side 15mm	0.248	0.298	0.186	0.047	0.546	0.481
		state1	Back Side 15mm	0.307	0.362	0.539	0.076	0.669	**0.922**

LTE B12	Ant.1	state1	Front Side 15mm	0.025	0.298	0.186	0.047	0.323	0.258
		state1	Back Side 15mm	0.034	0.362	0.539	0.076	0.396	0.649
LTE B12	Ant.0	state1	Front Side 15mm	0.144	0.298	0.186	0.047	0.442	0.377
		state1	Back Side 15mm	0.178	0.362	0.539	0.076	0.540	0.793
LTE B13	Ant.1	state1	Front Side 15mm	0.022	0.298	0.186	0.047	0.320	0.255
		state1	Back Side 15mm	0.032	0.362	0.539	0.076	0.394	0.647
LTE B13	Ant.0	state1	Front Side 15mm	0.127	0.298	0.186	0.047	0.425	0.360
		state1	Back Side 15mm	0.174	0.362	0.539	0.076	0.536	0.789
LTE B17	Ant.1	state1	Front Side 15mm	0.028	0.298	0.186	0.047	0.326	0.261
		state1	Back Side 15mm	0.036	0.362	0.539	0.076	0.398	0.651
LTE B17	Ant.0	state1	Front Side 15mm	0.138	0.298	0.186	0.047	0.436	0.371
		state1	Back Side 15mm	0.199	0.362	0.539	0.076	0.561	0.814
LTE B26	Ant.1	state1	Front Side 15mm	0.097	0.298	0.186	0.047	0.395	0.330
		state1	Back Side 15mm	0.116	0.362	0.539	0.076	0.478	0.731
LTE B26	Ant.0	state1	Front Side 15mm	0.120	0.298	0.186	0.047	0.418	0.353
		state1	Back Side 15mm	0.182	0.362	0.539	0.076	0.544	0.797
LTE B66	Ant.1	state1	Front Side 15mm	0.160	0.298	0.186	0.047	0.458	0.393
		state1	Back Side 15mm	0.210	0.362	0.539	0.076	0.572	0.825
LTE B66	Ant.0	state1	Front Side 15mm	0.093	0.298	0.186	0.047	0.391	0.326
		state1	Back Side 15mm	0.183	0.362	0.539	0.076	0.545	0.798
LTE B38	Ant.1	state1	Front Side 15mm	0.128	0.298	0.186	0.047	0.426	0.361
		state1	Back Side 15mm	0.147	0.362	0.539	0.076	0.509	0.762
LTE B38	Ant.0	state1	Front Side 15mm	0.247	0.298	0.186	0.047	0.545	0.480
		state1	Back Side 15mm	0.258	0.362	0.539	0.076	0.620	0.873
LTE B41	Ant.1	state1	Front Side 15mm	0.238	0.298	0.186	0.047	0.536	0.471
		state1	Back Side 15mm	0.271	0.362	0.539	0.076	0.633	0.886
LTE B41	Ant.0	state1	Front Side 15mm	0.156	0.298	0.186	0.047	0.454	0.389
		state1	Back Side 15mm	0.168	0.362	0.539	0.076	0.530	0.783

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 0.922 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.3 Hotspot Simultaneous Transmission SAR Evaluation for WWAN and WLAN

Band	Antenna	State	Position	Stand alone SAR				SUM SAR	
				1	2	3	4		
				WWAN	2.4GWIFI Level4	5G Max.WIFI Level4	Bluetooth Level4	1+2	1+3+4
GSM850	Ant.1	state3	Front Side 10mm	0.086	0.303	0.079	0.078	0.389	0.243
		state3	Back Side 10mm	0.107	0.412	0.229	0.095	0.519	0.431
		state3	Top Edge 10mm	0.100	0.411	0.172	0.103	0.511	0.375
GSM850	Ant.0	state3	Front Side 10mm	0.079	0.212	0.079	0.078	0.291	0.236
		state3	Back Side 10mm	0.170	0.287	0.229	0.095	0.457	0.494
		state3	Left Edge 10mm	0.058	0.202	0.200	0.068	0.260	0.326
GSM1900	Ant.1	state3	Front Side 10mm	0.161	0.303	0.079	0.078	0.464	0.318
		state3	Back Side 10mm	0.229	0.412	0.229	0.095	0.641	0.553
		state3	Top Edge 10mm	0.312	0.411	0.172	0.103	0.723	0.587
GSM1900	Ant.0	state3	Front Side 10mm	0.178	0.212	0.079	0.078	0.390	0.335
		state3	Back Side 10mm	0.338	0.287	0.229	0.095	0.625	0.662
		state3	Left Edge 10mm	0.102	0.202	0.200	0.068	0.304	0.370
WCDMA B2	Ant.1	state3	Front Side 10mm	0.191	0.303	0.079	0.078	0.494	0.348
		state3	Back Side 10mm	0.253	0.412	0.229	0.095	0.665	0.577
		state3	Top Edge 10mm	0.339	0.411	0.172	0.103	0.750	0.614
WCDMA B2	Ant.0	state3	Front Side 10mm	0.146	0.212	0.079	0.078	0.358	0.303
		state3	Back Side 10mm	0.294	0.287	0.229	0.095	0.581	0.618
		state3	Left Edge 10mm	0.100	0.202	0.200	0.068	0.302	0.368
WCDMA B4	Ant.1	state3	Front Side 10mm	0.221	0.303	0.079	0.078	0.524	0.378
		state3	Back Side 10mm	0.280	0.412	0.229	0.095	0.692	0.604
		state3	Top Edge 10mm	0.341	0.411	0.172	0.103	**0.752**	0.616
WCDMA B4	Ant.0	state3	Front Side 10mm	0.123	0.212	0.079	0.078	0.335	0.280
		state3	Back Side 10mm	0.236	0.287	0.229	0.095	0.523	0.560
		state3	Left Edge 10mm	0.061	0.202	0.200	0.068	0.263	0.329
WCDMA B5	Ant.1	state3	Front Side 10mm	0.124	0.303	0.079	0.078	0.427	0.281
		state3	Back Side 10mm	0.155	0.412	0.229	0.095	0.567	0.479
		state3	Top Edge 10mm	0.147	0.411	0.172	0.103	0.558	0.422
WCDMA B5	Ant.0	state3	Front Side 10mm	0.084	0.212	0.079	0.078	0.296	0.241
		state3	Back Side 10mm	0.166	0.287	0.229	0.095	0.453	0.490
		state3	Left Edge 10mm	0.059	0.202	0.200	0.068	0.261	0.327
LTE B2	Ant.1	state3	Front Side 10mm	0.174	0.303	0.079	0.078	0.477	0.331
		state3	Back Side 10mm	0.231	0.412	0.229	0.095	0.643	0.555
		state3	Top Edge 10mm	0.326	0.411	0.172	0.103	0.737	0.601
LTE B2	Ant.0	state3	Front Side 10mm	0.185	0.212	0.079	0.078	0.397	0.342
		state3	Back Side 10mm	0.395	0.287	0.229	0.095	0.682	0.719
		state3	Left Edge 10mm	0.080	0.202	0.200	0.068	0.282	0.348

LTE B4	Ant.1	state3	Front Side 10mm	0.172	0.303	0.079	0.078	0.475	0.329
		state3	Back Side 10mm	0.224	0.412	0.229	0.095	0.636	0.548
		state3	Top Edge 10mm	0.262	0.411	0.172	0.103	0.673	0.537
LTE B4	Ant.0	state3	Front Side 10mm	0.107	0.212	0.079	0.078	0.319	0.264
		state3	Back Side 10mm	0.202	0.287	0.229	0.095	0.489	0.526
		state3	Left Edge 10mm	0.056	0.202	0.200	0.068	0.258	0.324
LTE B5	Ant.1	state3	Front Side 10mm	0.094	0.303	0.079	0.078	0.397	0.251
		state3	Back Side 10mm	0.119	0.412	0.229	0.095	0.531	0.443
		state3	Top Edge 10mm	0.116	0.411	0.172	0.103	0.527	0.391
LTE B5	Ant.0	state3	Front Side 10mm	0.068	0.212	0.079	0.078	0.280	0.225
		state3	Back Side 10mm	0.177	0.287	0.229	0.095	0.464	0.501
		state3	Left Edge 10mm	0.048	0.202	0.200	0.068	0.250	0.316
LTE B7	Ant.1	state3	Front Side 10mm	0.177	0.303	0.079	0.078	0.480	0.334
		state3	Back Side 10mm	0.237	0.412	0.229	0.095	0.649	0.561
		state3	Top Edge 10mm	0.190	0.411	0.172	0.103	0.601	0.465
LTE B7	Ant.0	state3	Front Side 10mm	0.216	0.212	0.079	0.078	0.428	0.373
		state3	Back Side 10mm	0.301	0.287	0.229	0.095	0.588	0.625
		state3	Left Edge 10mm	0.186	0.202	0.200	0.068	0.388	0.454
LTE B12	Ant.1	state3	Front Side 10mm	0.081	0.303	0.079	0.078	0.384	0.238
		state3	Back Side 10mm	0.098	0.412	0.229	0.095	0.510	0.422
		state3	Top Edge 10mm	0.095	0.411	0.172	0.103	0.506	0.370
LTE B12	Ant.0	state3	Front Side 10mm	0.095	0.212	0.079	0.078	0.307	0.252
		state3	Back Side 10mm	0.159	0.287	0.229	0.095	0.446	0.483
		state3	Left Edge 10mm	0.103	0.202	0.200	0.068	0.305	0.371
LTE B13	Ant.1	state3	Front Side 10mm	0.093	0.303	0.079	0.078	0.396	0.250
		state3	Back Side 10mm	0.108	0.412	0.229	0.095	0.520	0.432
		state3	Top Edge 10mm	0.101	0.411	0.172	0.103	0.512	0.376
LTE B13	Ant.0	state3	Front Side 10mm	0.120	0.212	0.079	0.078	0.332	0.277
		state3	Back Side 10mm	0.217	0.287	0.229	0.095	0.504	0.541
		state3	Left Edge 10mm	0.107	0.202	0.200	0.068	0.309	0.375
LTE B17	Ant.1	state3	Front Side 10mm	0.113	0.303	0.079	0.078	0.416	0.270
		state3	Back Side 10mm	0.130	0.412	0.229	0.095	0.542	0.454
		state3	Top Edge 10mm	0.118	0.411	0.172	0.103	0.529	0.393
LTE B17	Ant.0	state3	Front Side 10mm	0.071	0.212	0.079	0.078	0.283	0.228
		state3	Back Side 10mm	0.147	0.287	0.229	0.095	0.434	0.471
		state3	Left Edge 10mm	0.078	0.202	0.200	0.068	0.280	0.346
LTE B26	Ant.1	state3	Front Side 10mm	0.104	0.303	0.079	0.078	0.407	0.261
		state3	Back Side 10mm	0.139	0.412	0.229	0.095	0.551	0.463
		state3	Top Edge 10mm	0.130	0.411	0.172	0.103	0.541	0.405
LTE B26	Ant.0	state3	Front Side 10mm	0.084	0.212	0.079	0.078	0.296	0.241
		state3	Back Side 10mm	0.200	0.287	0.229	0.095	0.487	0.524
		state3	Left Edge 10mm	0.057	0.202	0.200	0.068	0.259	0.325
LTE B66	Ant.1	state3	Front Side 10mm	0.175	0.303	0.079	0.078	0.478	0.332

		state3	Back Side 10mm	0.238	0.412	0.229	0.095	0.650	0.562
		state3	Top Edge 10mm	0.254	0.411	0.172	0.103	0.665	0.529
LTE B66	Ant.0	state3	Front Side 10mm	0.116	0.212	0.079	0.078	0.328	0.273
		state3	Back Side 10mm	0.234	0.287	0.229	0.095	0.521	0.558
		state3	Left Edge 10mm	0.064	0.202	0.200	0.068	0.266	0.332
LTE B38	Ant.1	state3	Front Side 10mm	0.147	0.303	0.079	0.078	0.450	0.304
		state3	Back Side 10mm	0.217	0.412	0.229	0.095	0.629	0.541
		state3	Top Edge 10mm	0.096	0.411	0.172	0.103	0.507	0.371
LTE B38	Ant.0	state3	Front Side 10mm	0.267	0.212	0.079	0.078	0.479	0.424
		state3	Back Side 10mm	0.354	0.287	0.229	0.095	0.641	0.678
		state3	Left Edge 10mm	0.227	0.202	0.200	0.068	0.429	0.495
LTE B41	Ant.1	state3	Front Side 10mm	0.158	0.303	0.079	0.078	0.461	0.315
		state3	Back Side 10mm	0.211	0.412	0.229	0.095	0.623	0.535
		state3	Top Edge 10mm	0.080	0.411	0.172	0.103	0.491	0.355
LTE B41	Ant.0	state3	Front Side 10mm	0.282	0.212	0.079	0.078	0.494	0.439
		state3	Back Side 10mm	0.381	0.287	0.229	0.095	0.668	0.705
		state3	Left Edge 10mm	0.229	0.202	0.200	0.068	0.431	0.497

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 0.752 W/Kg<1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.4 Specific Simultaneous Transmission SAR Evaluation for WWAN and WLAN

Band	Antenna	State	Position	Stand alone SAR		SUM SAR
				1	2	
				WWAN	5G Max.WIFI Level4	1+2
WCDMA B2	Ant.1	state3	Top Edge 0mm	0.850	0.191	1.041
WCDMA B4	Ant.1	state3	Top Edge 0mm	0.756	0.191	0.947
LTE B2	Ant.1	state3	Top Edge 0mm	0.889	0.191	**1.080**

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 1.08 W/Kg<4.0 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.5 Head Simultaneous Transmission SAR Evaluation for WLAN and BT

Position	Stand alone SAR		SUM SAR
	1	2	
	5G Max.WIFI Level1	Bluetooth Level1	1+2
Left Cheek	0.677	0.464	**1.141**
Left Tilt	0.542	0.316	0.858
Right Cheek	0.279	0.190	0.469
Right Tilt	0.342	0.208	0.550

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 1.141 W/Kg<1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.6 Body Simultaneous Transmission SAR Evaluation for WLAN and BT

Position	Stand alone SAR		SUM SAR
	1	2	
	5G Max.WIFI Level3	Bluetooth Level3	1+2
Front Side 15mm	0.186	0.047	0.233
Back Side 15mm	0.539	0.076	**0.615**

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 0.615 W/Kg<1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.7 Hotspot Simultaneous Transmission SAR Evaluation for WLAN and BT

Position	Stand alone SAR		SUM SAR
	1	2	
	5G Max.WIFI Level3	Bluetooth Level3	1+2
Front Side 10mm	0.296	0.078	0.374
Back Side 10mm	0.828	0.095	**0.923**
Left Edge 10mm	0.743	0.068	0.811
Top Edge 10mm	0.570	0.103	0.673

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 0.923 W/Kg<1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13 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: 1201	2020/11/11	2023/11/10
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2021/05/17	2024/05/16
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2021/05/17	2024/05/16
1900MHz Validation Dipole	Speag	D1900V2	SN: 5d193	2021/05/20	2024/05/19
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2021/05/19	2024/05/18
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2021/05/19	2024/05/18
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2021/05/18	2024/05/17
E-Field Probe	Speag	EX3DV4	SN: 7607	2022/07/04	2023/07/03
Data Acquisition Electronicsr	Speag	DAE4	SN: 878	2023/03/23	2024/03/22
Signal Generator	R&S	SMB100A	182396	2022/09/06	2023/09/05
Power Meter	R&S	NRVD-B2	7250BJ-0112/2011	2022/09/06	2023/09/05
Power Sensor	R&S	NRV-Z4	100381	2022/09/06	2023/09/05
Power Sensor	R&S	NRV-Z2	100211	2022/09/06	2023/09/05
Wireless Communication Test Set	Anritsu	MT8820C	6201502991	2022/12/27	2023/12/26
Network Analyzer	Agilent	E5071C	MY46103472	2022/12/06	2023/12/05
Thermometer	Elitech	RC-4HC	EF720B004811	2022/11/25	2023/11/24
Thermometer	Elitech	RC-4HC	EF720B004817	2022/11/18	2023/11/17
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 an SCLMP 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 (%)
2023.05.24	Head	750	21.5	0.91	41.60	0.89	41.94	2.25	-0.81
2023.05.25	Head	750	21.3	0.90	41.77	0.89	41.94	1.12	-0.41
2023.05.26	Head	750	21.2	0.91	41.70	0.89	41.94	2.25	-0.57
2023.05.17	Head	835	21.7	0.90	41.89	0.90	41.50	0.00	0.94
2023.05.22	Head	835	21.7	0.90	41.73	0.90	41.50	0.00	0.55
2023.05.27	Head	835	21.9	0.90	41.73	0.90	41.50	0.00	0.55
2023.05.19	Head	1750	21.4	1.38	40.11	1.37	40.08	0.73	0.07
2023.05.28	Head	1750	21.3	1.38	40.01	1.37	40.08	0.73	-0.17
2023.05.21	Head	1750	21.6	1.39	40.13	1.37	40.08	1.46	0.12
2023.05.18	Head	1900	21.1	1.39	39.99	1.40	40.00	-0.71	-0.02
2023.05.20	Head	1900	21.4	1.40	39.74	1.40	40.00	0.00	-0.65
2023.06.05	Head	2450	21.8	1.80	39.73	1.80	39.20	0.00	1.35
2023.05.23	Head	2600	21.1	1.99	38.40	1.96	39.01	1.53	-1.56
2023.05.29	Head	2600	21.4	1.99	38.47	1.96	39.01	1.53	-1.38
2023.05.30	Head	2600	21.6	1.97	38.79	1.96	39.01	0.51	-0.56
2023.06.01	Head	5250	21.2	4.70	35.77	4.71	35.93	-0.21	-0.45
2023.06.02	Head	5600	21.5	5.05	35.09	5.07	35.53	-0.39	-1.24
2023.06.03	Head	5750	21.2	5.17	35.62	5.22	35.36	-0.96	0.74
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 (%)
2023.05.24	Head	750	100	0.82	8.21	8.29	-0.97
2023.05.25	Head	750	100	0.85	8.47	8.29	2.17
2023.05.26	Head	750	100	0.83	8.28	8.29	-0.12
2023.05.17	Head	835	100	0.97	9.69	9.76	-0.72
2023.05.22	Head	835	100	0.99	9.93	9.76	1.74
2023.05.27	Head	835	100	0.97	9.73	9.76	-0.31
2023.05.19	Head	1750	100	3.66	36.60	36.70	-0.27
2023.05.28	Head	1750	100	3.72	37.20	36.70	1.36
2023.05.21	Head	1750	100	3.76	37.60	36.70	2.45
2023.05.18	Head	1900	100	4.17	41.70	40.30	3.47
2023.05.20	Head	1900	100	4.01	40.10	40.30	-0.50
2023.06.05	Head	2450	100	5.28	52.80	53.00	-0.38
2023.05.23	Head	2600	100	5.58	55.80	56.80	-1.76
2023.05.29	Head	2600	100	5.72	57.20	56.80	0.70
2023.05.30	Head	2600	100	5.61	56.10	56.80	-1.23
2023.06.01	Head	5250	100	7.93	79.30	77.80	1.93
2023.06.02	Head	5600	100	8.31	83.10	81.20	2.34
2023.06.03	Head	5750	100	7.91	79.10	77.20	2.46
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 (%)
2023.05.19	Head	1750	100	1.95	19.50	19.10	2.09
2023.05.28	Head	1750	100	1.93	19.30	19.10	1.05
2023.05.21	Head	1750	100	1.94	19.40	19.10	1.57
2023.05.18	Head	1900	100	2.06	20.60	20.30	1.48
2023.05.20	Head	1900	100	2.03	20.30	20.30	0.00
Note: The tolerance limit of System validation ±10%.							

System Performance Check Data (750MHz)

Date: 2023.05.24

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.908 S/m; ε_r = 41.596; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 750/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.806 W/kg

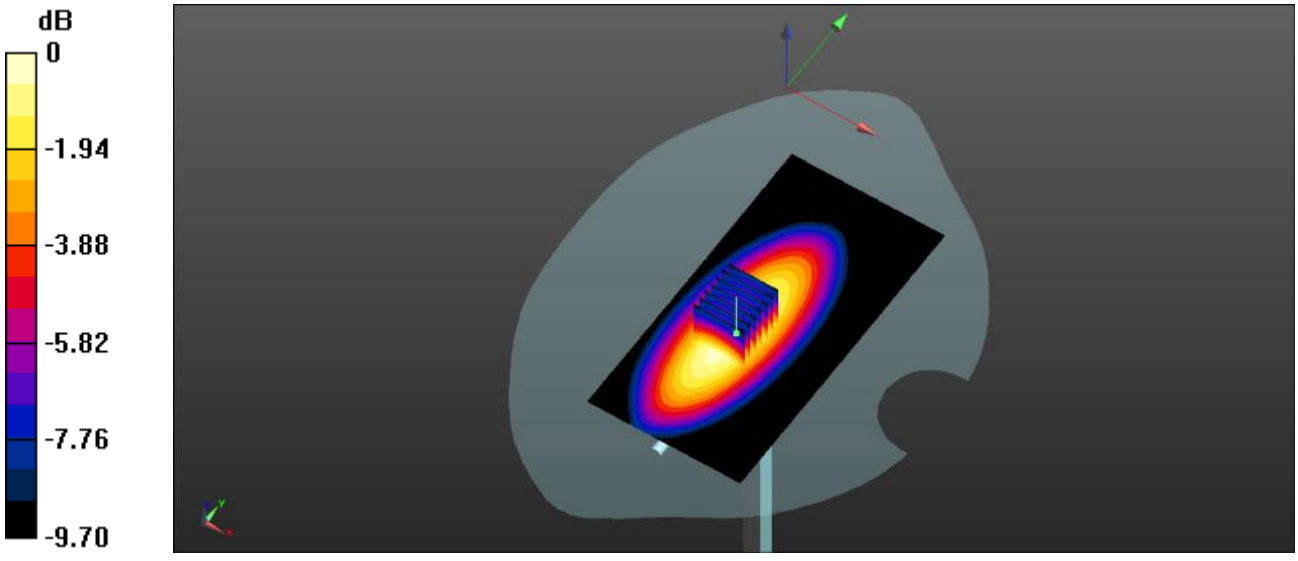
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.11 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.821 W/kg; SAR(10 g) = 0.543 W/kg

Maximum value of SAR (measured) = 0.835 W/kg



0 dB = 0.835 W/kg

System Performance Check Data (750MHz)

Date: 2023.05.25

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.901 S/m; εr = 41.766; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 750/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.901 W/kg

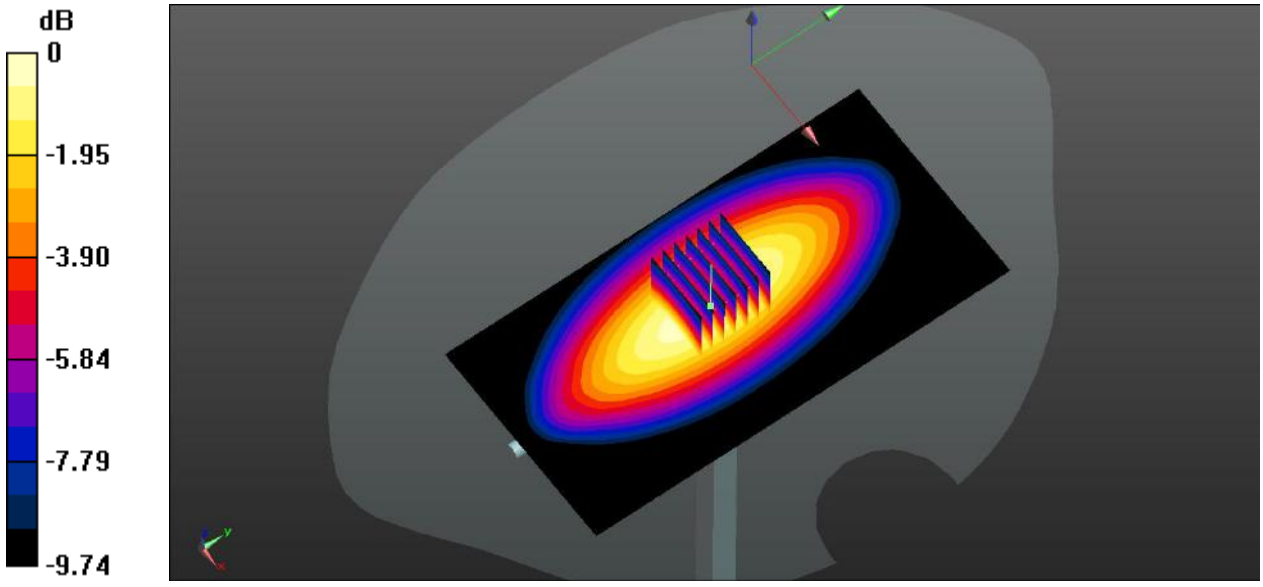
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.02 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.847 W/kg; SAR(10 g) = 0.562 W/kg

Maximum value of SAR (measured) = 0.909 W/kg



0 dB = 0.909 W/kg

System Performance Check Data (750MHz)

Date: 2023.05.26

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

Medium parameters used (extrapolated): f = 835 MHz; σ = 0.907 S/m; ε_r = 41.7; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 750/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.877 W/kg

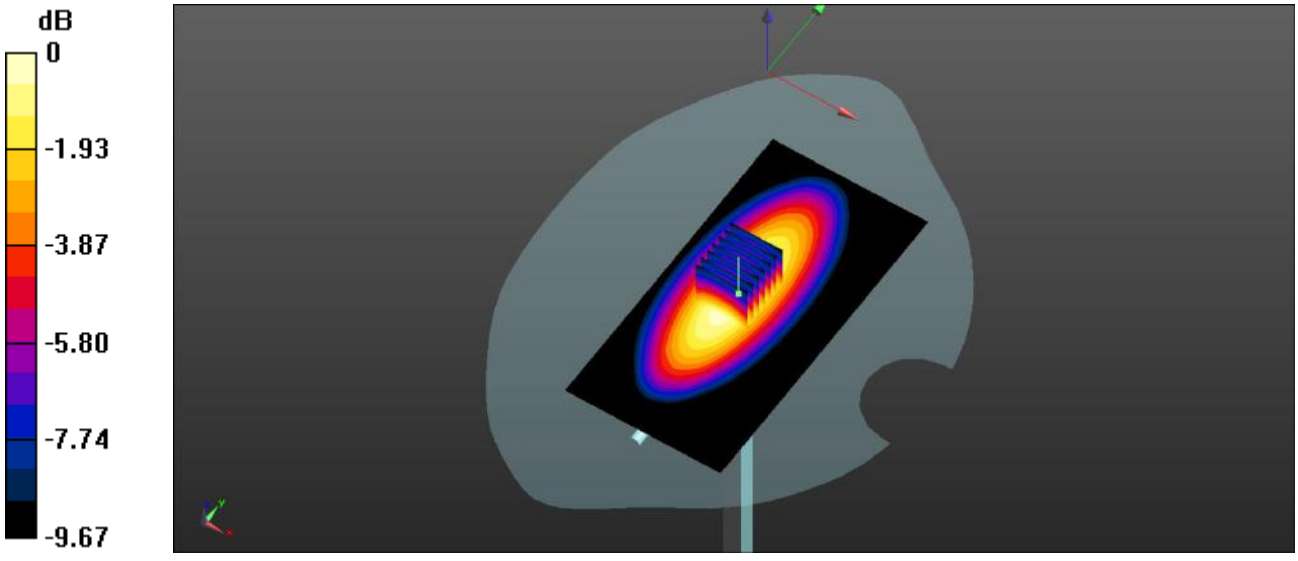
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.99 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.828 W/kg; SAR(10 g) = 0.551 W/kg

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



0 dB = 0.886 W/kg

System Performance Check Data (835MHz)

Date: 2023.05.17

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

Medium parameters used: f = 835 MHz; σ = 0.901 S/m; εr = 41.886; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.07 W/kg

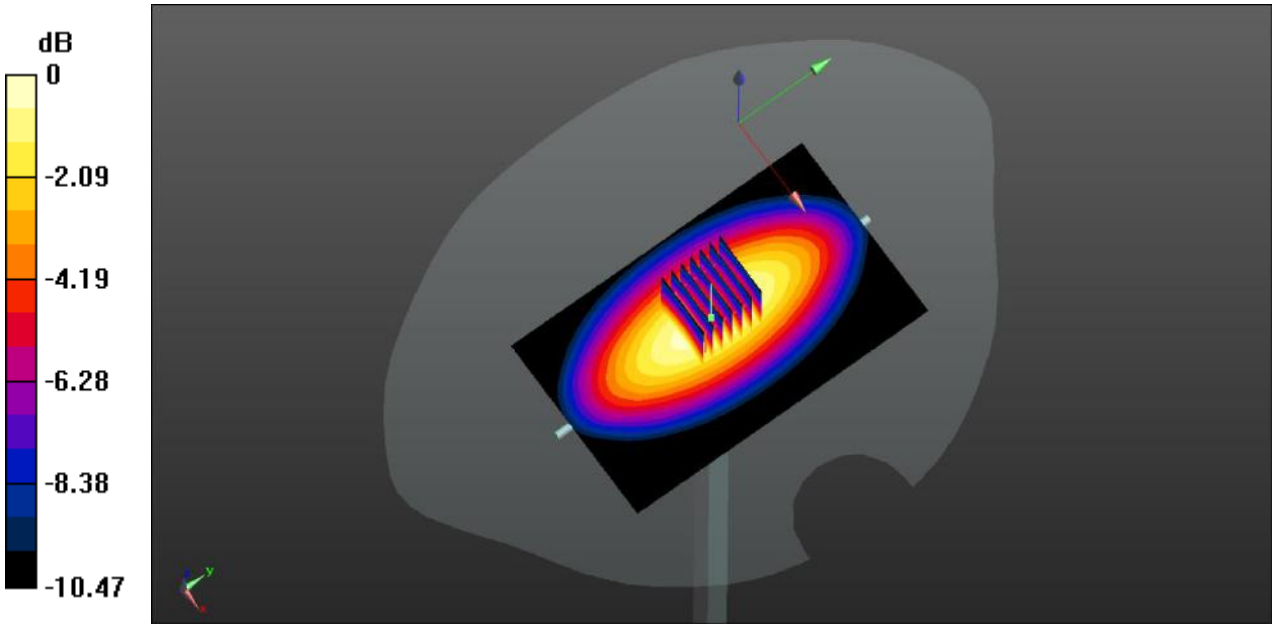
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.31 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.969 W/kg; SAR(10 g) = 0.652 W/kg

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



0 dB = 1.04 W/kg

System Performance Check Data (835MHz)

Date: 2023.05.22

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

Medium parameters used: f = 835 MHz; σ = 0.897 S/m; εr = 41.732; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.11 W/kg

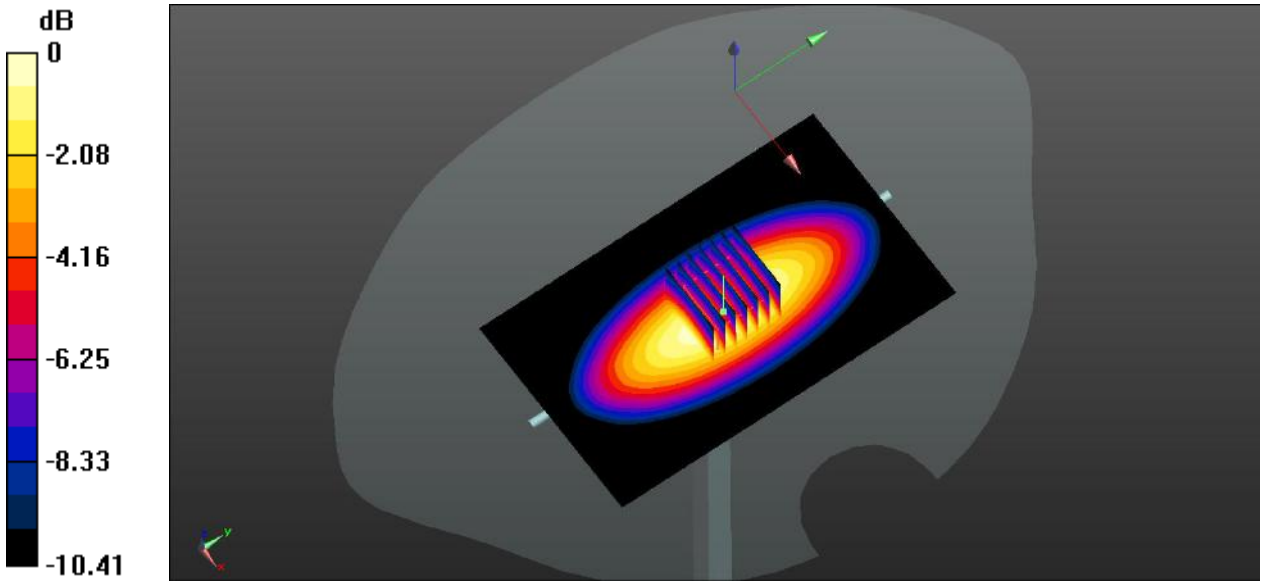
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.69 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.993 W/kg; SAR(10 g) = 0.638 W/kg

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



0 dB = 1.05 W/kg

System Performance Check Data (835MHz)

Date: 2023.05.27

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

Medium parameters used: f = 835 MHz; σ = 0.896 S/m; ε_r = 41.73; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

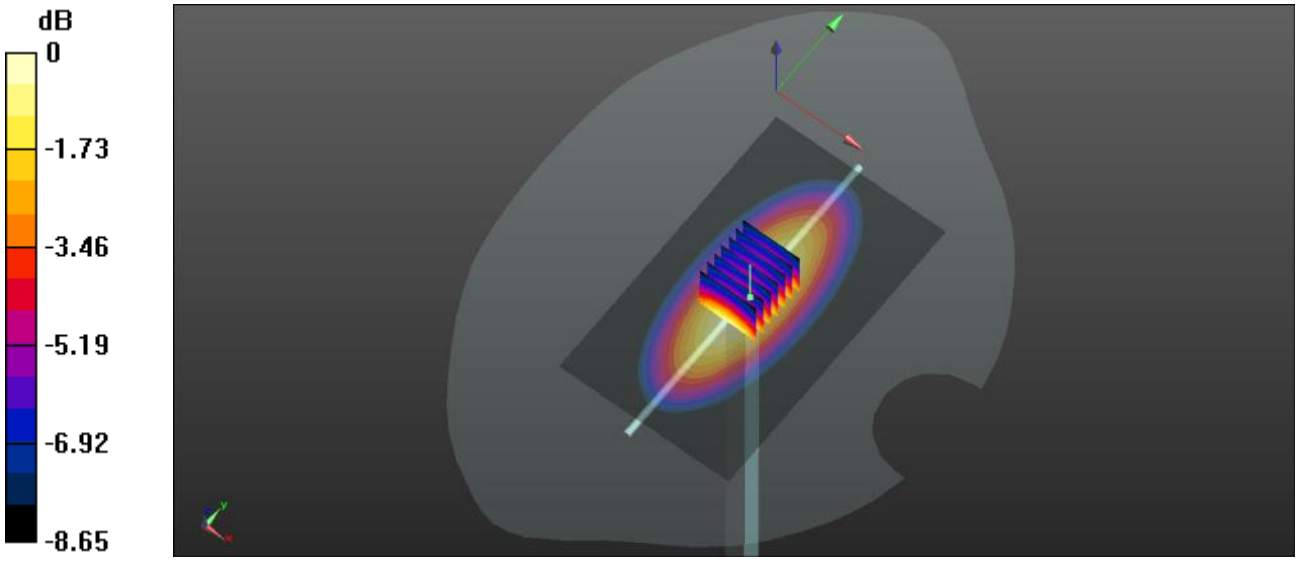
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.59 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.973 W/kg; SAR(10 g) = 0.641 W/kg

Maximum value of SAR (measured) = 0.977 W/kg



0 dB = 0.977 W/kg

System Performance Check Data (1750MHz)

Date: 2023.05.19

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

Medium parameters used (interpolated): f = 1750 MHz; σ = 1.378 S/m; ε_r = 40.109; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.36 W/kg

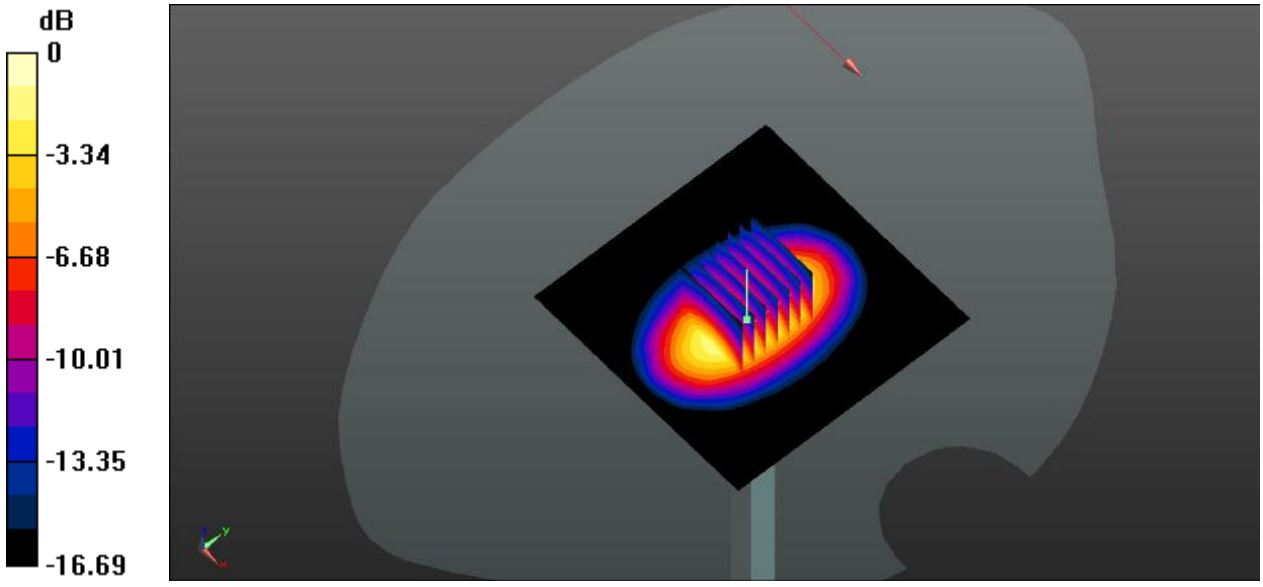
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.68 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 7.05 W/kg

SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.95 W/kg

Maximum value of SAR (measured) = 4.28 W/kg



0 dB = 4.28 W/kg

System Performance Check Data (1750MHz)

Date: 2023.05.28

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

Medium parameters used: f = 1750 MHz; σ = 1.376 S/m; ε_r = 40.005; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

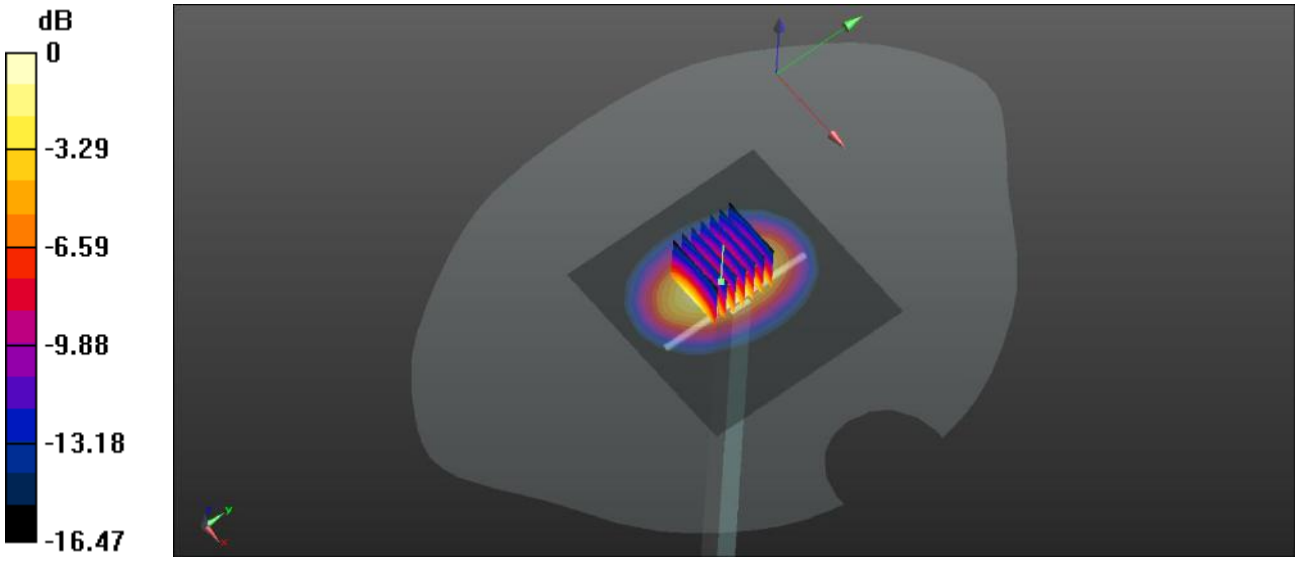
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.98 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 6.81 W/kg

SAR(1 g) = 3.72 W/kg; SAR(10 g) = 1.93 W/kg

Maximum value of SAR (measured) = 4.23 W/kg



0 dB = 4.23 W/kg

System Performance Check Data (1750MHz)

Date: 2023.05.21

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

Medium parameters used: f = 1750 MHz; σ = 1.386 S/m; εr = 40.128; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.17 W/kg

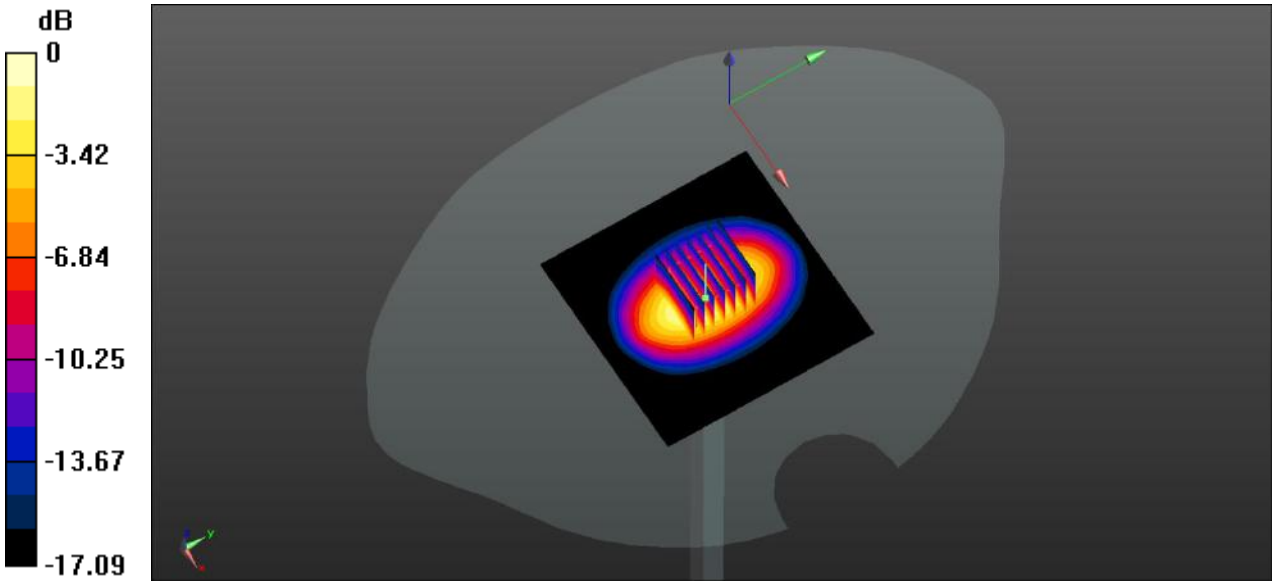
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.18 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 7.01 W/kg

SAR(1 g) = 3.76 W/kg; SAR(10 g) = 1.94 W/kg

Maximum value of SAR (measured) = 4.19 W/kg



0 dB = 4.19 W/kg

System Performance Check Data (1900MHz)

Date: 2023.05.18

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

Medium parameters used: f = 1900 MHz; σ = 1.393 S/m; εr = 39.99; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1900/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.58 W/kg

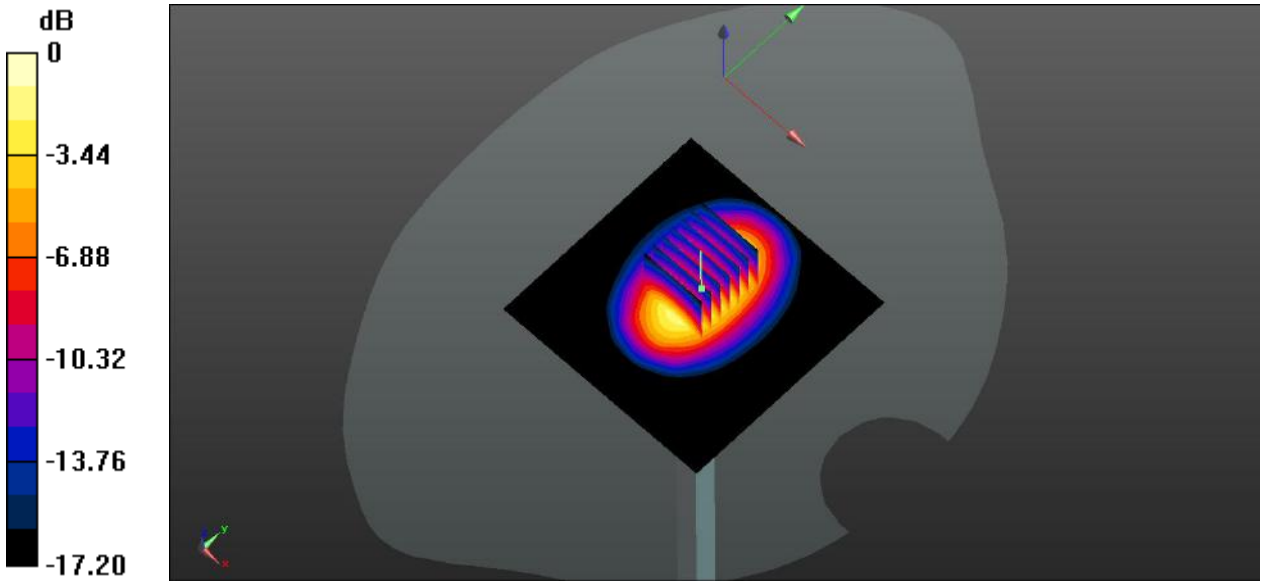
CW 1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.16 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 7.56 W/kg

SAR(1 g) = 4.17 W/kg; SAR(10 g) = 2.06 W/kg

Maximum value of SAR (measured) = 4.63 W/kg



0 dB = 4.63 W/kg

System Performance Check Data (1900MHz)

Date: 2023.05.20

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

Medium parameters used: f = 1900 MHz; σ = 1.4 S/m; εr = 39.74; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.7℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1900/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

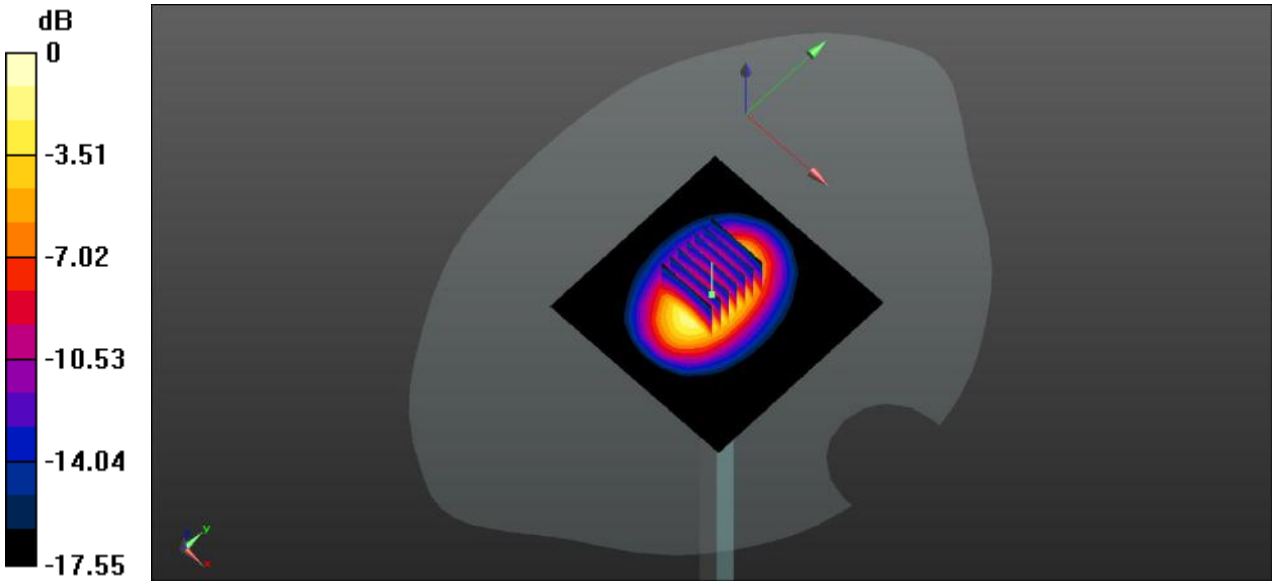
CW 1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.07 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 8.06 W/kg

SAR(1 g) = 4.01 W/kg; SAR(10 g) = 2.03 W/kg

Maximum value of SAR (measured) = 4.62 W/kg



0 dB = 4.62 W/kg

System Performance Check Data (2450MHz)

Date: 2023.06.05

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

Medium parameters used: f = 2450 MHz; σ = 1.795 S/m; εr = 39.726; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.79, 7.79, 7.79); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

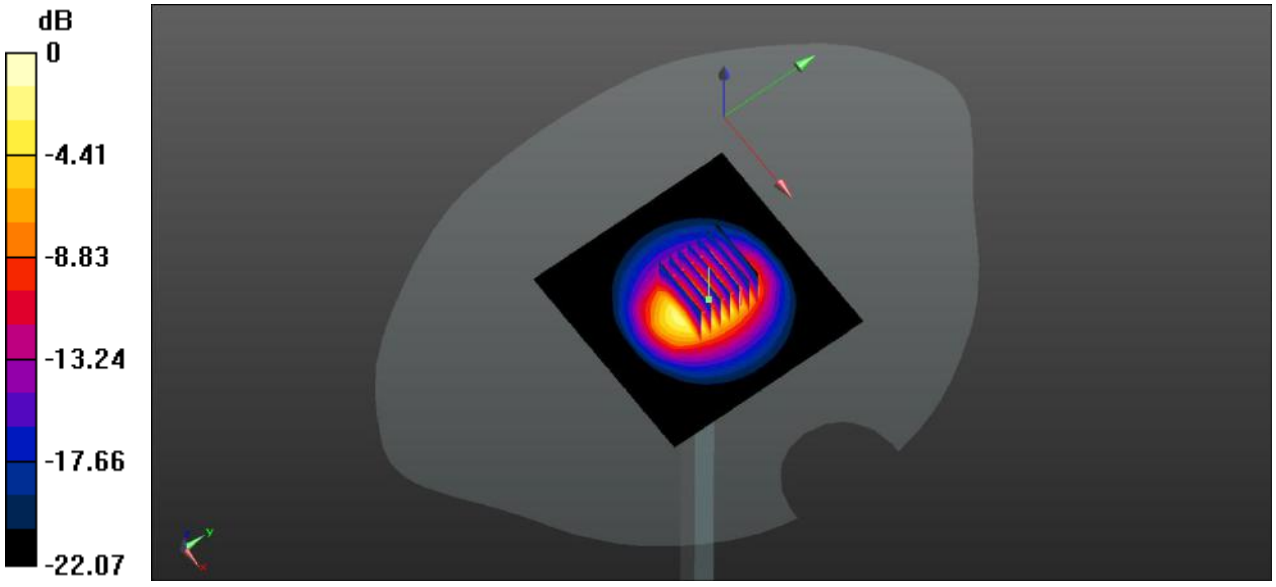
CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.11 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 11.72 W/kg

SAR(1 g) = 5.28 W/kg; SAR(10 g) = 2.43 W/kg

Maximum value of SAR (measured) = 6.24 W/kg



0 dB = 6.24 W/kg

System Performance Check Data (2600MHz)

Date: 2023.05.23

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

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.987 S/m; εr = 38.404; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 6.54 W/kg

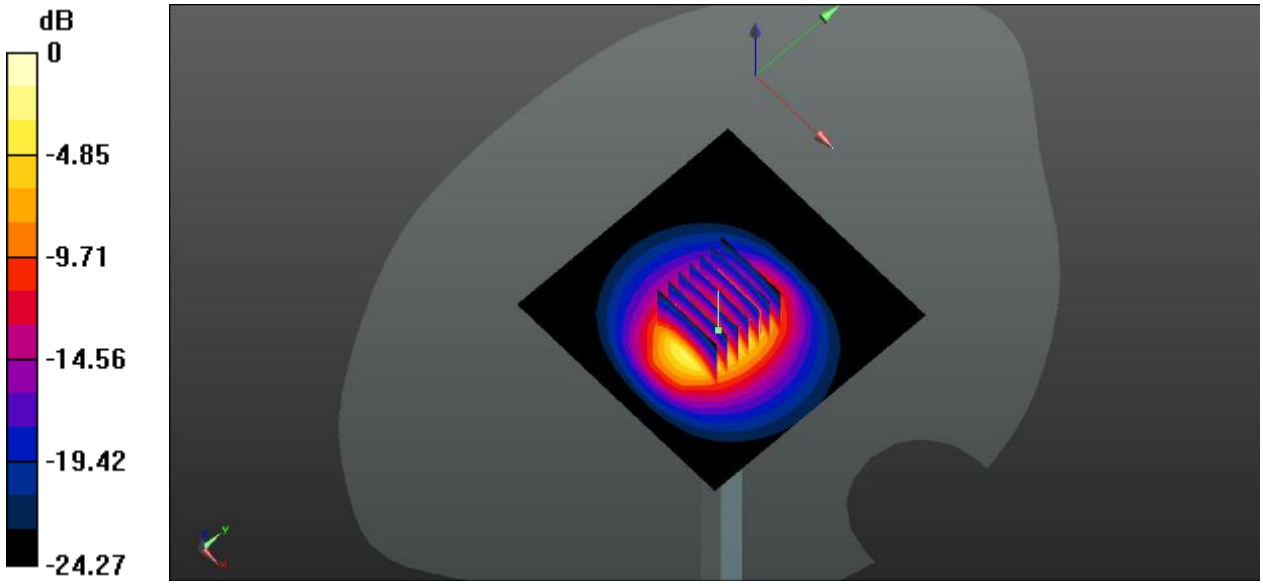
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.65 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 12.47 W/kg

SAR(1 g) = 5.58 W/kg; SAR(10 g) = 2.41 W/kg

Maximum value of SAR (measured) = 6.43 W/kg



0 dB = 6.43 W/kg

System Performance Check Data (2600MHz)

Date: 2023.05.29

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.987 S/m; ε_r = 38.474; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 6.26 W/kg

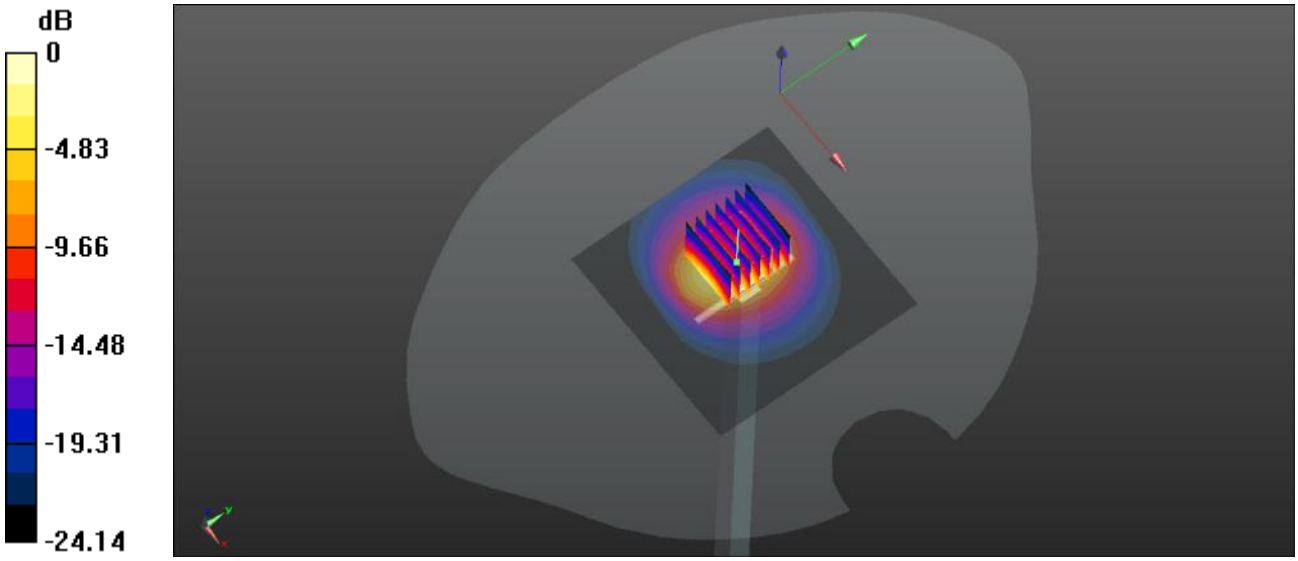
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 40.32 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 12.4 W/kg

SAR(1 g) = 5.72 W/kg; SAR(10 g) = 2.53 W/kg

Maximum value of SAR (measured) = 6.39 W/kg



0 dB = 6.39 W/kg

System Performance Check Data (2600MHz)

Date: 2023.05.30

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.973 S/m; εr = 38.785; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.9℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 6.46 W/kg

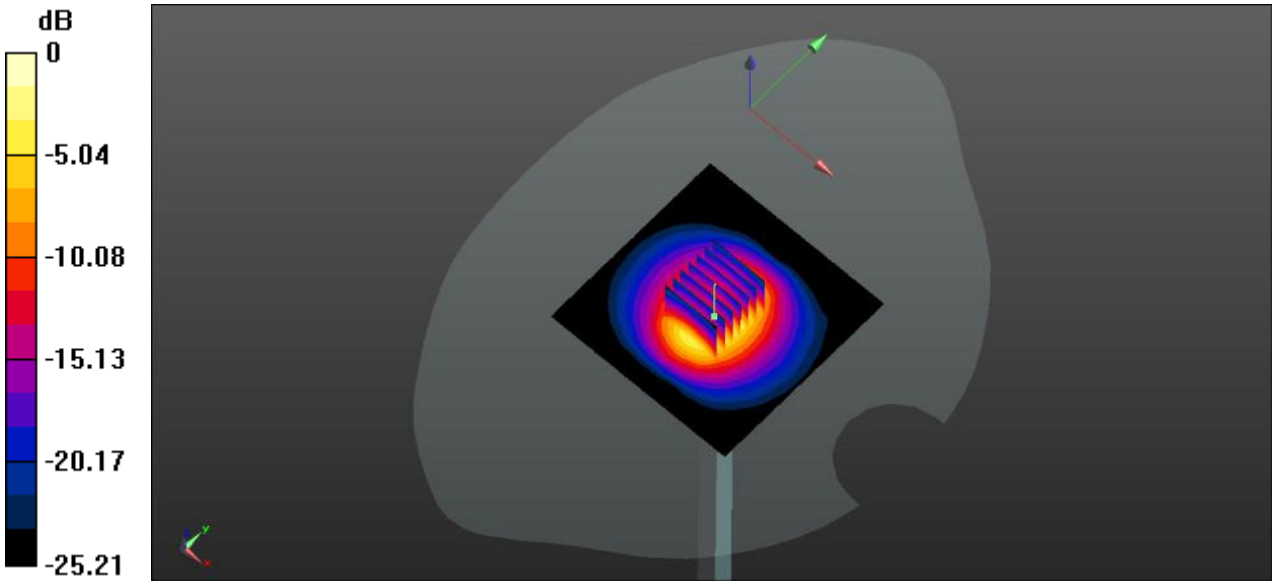
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.55 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.61 W/kg; SAR(10 g) = 2.45 W/kg

Maximum value of SAR (measured) = 6.47 W/kg



0 dB = 6.47 W/kg

System Performance Check Data (5250MHz)

Date: 2023.06.01

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5250 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5250 MHz; σ = 4.7 S/m; εr = 35.765; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.45, 5.45, 5.45); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5250/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.42 W/kg

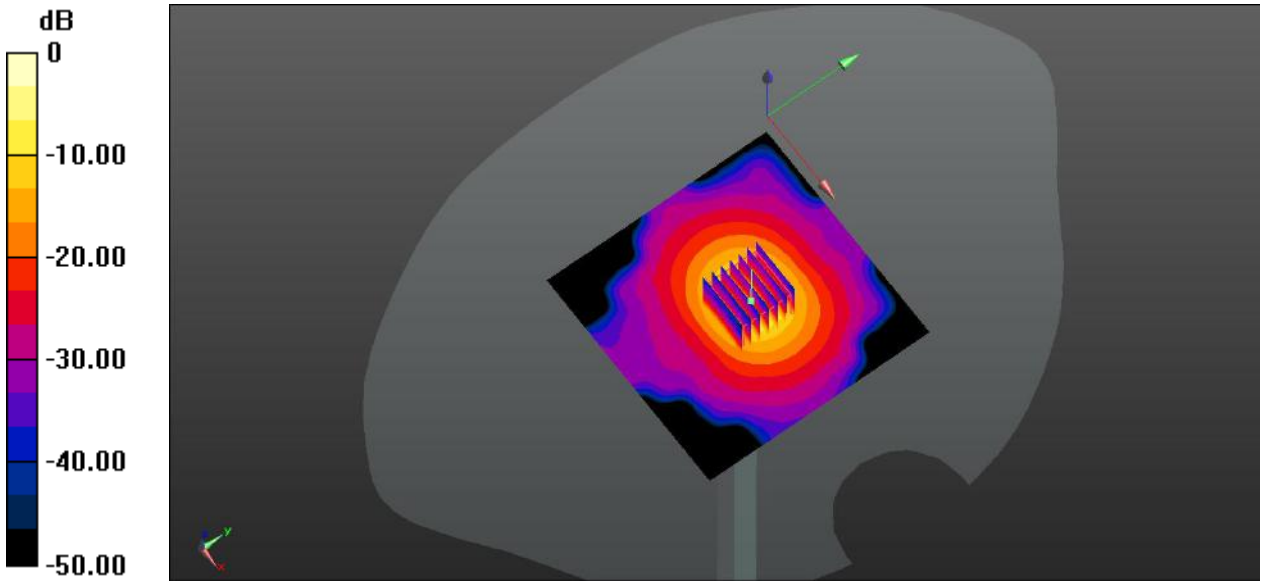
CW 5250/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 37.11 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 33.26 W/kg

SAR(1 g) = 7.93 W/kg; SAR(10 g) = 2.24 W/kg

Maximum value of SAR (measured) = 19.93 W/kg



0 dB = 19.93 W/kg

System Performance Check Data (5600MHz)

Date: 2023.06.02

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

Medium parameters used: f = 5600 MHz; σ = 5.054 S/m; εr = 35.094; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.9, 4.9, 4.9); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.43 W/kg

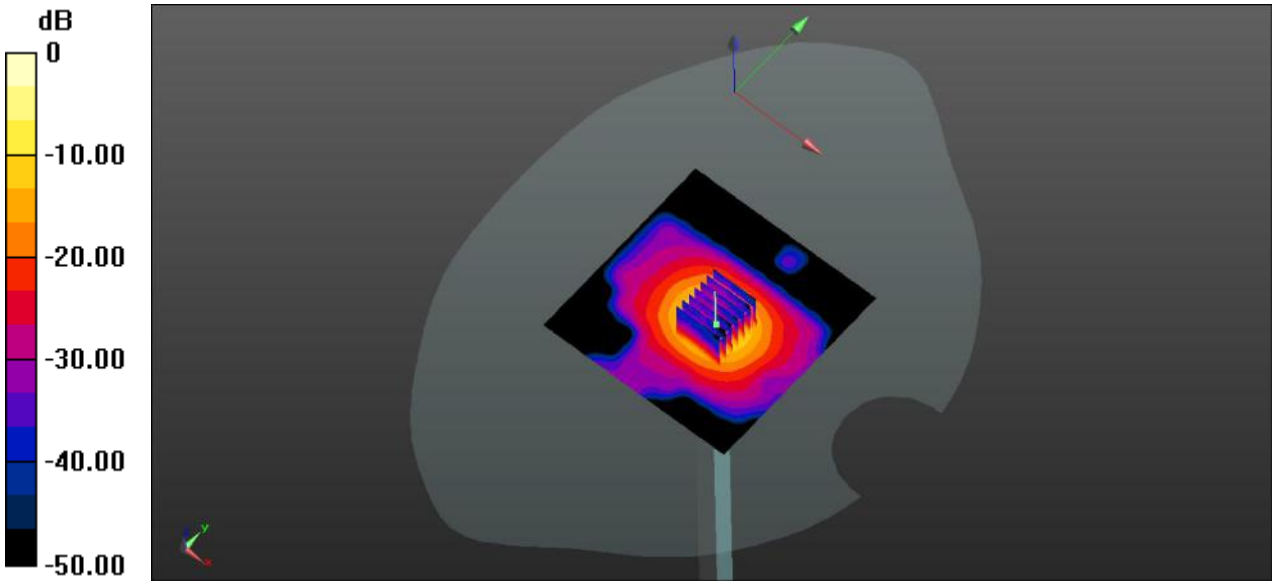
CW 5600/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 34.72 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 38.57 W/kg

SAR(1 g) = 8.31 W/kg; SAR(10 g) = 2.27 W/kg

Maximum value of SAR (measured) = 21.61 W/kg



0 dB = 21.61 W/kg

System Performance Check Data (5750MHz)

Date: 2023.06.03

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5750 MHz;Duty Cycle: 1:1

Medium parameters used: f = 5750 MHz; σ = 5.171 S/m; εr = 35.622; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5, 5, 5); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5750/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.94 W/kg

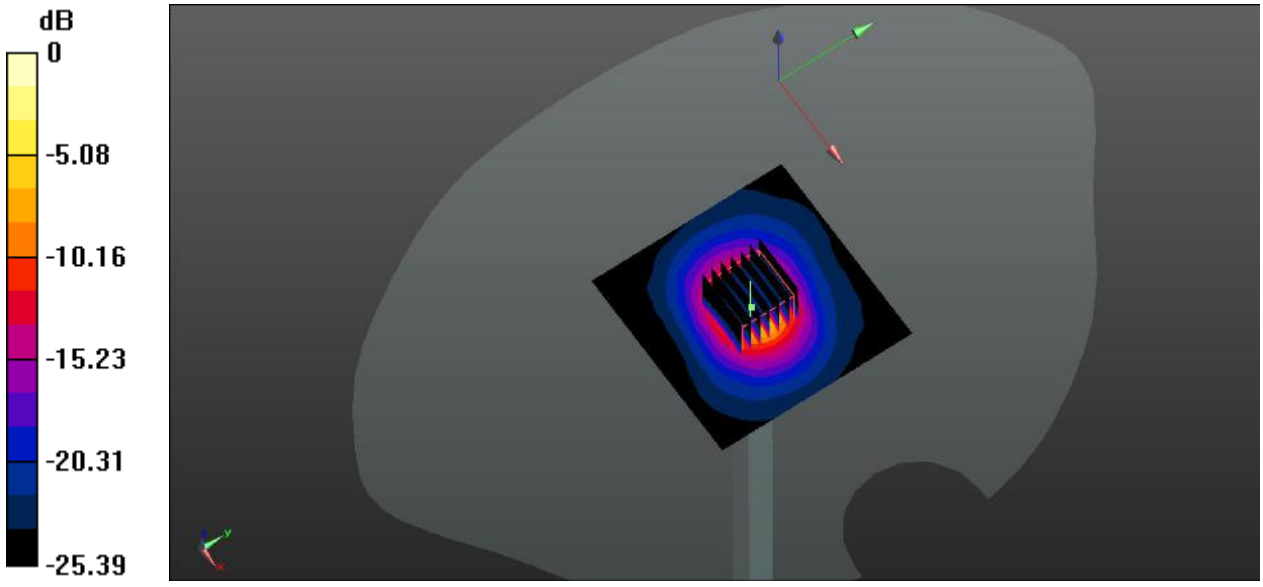
CW 5750/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 40.23 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 36.76 W/kg

SAR(1 g) = 7.91 W/kg; SAR(10 g) = 2.21 W/kg

Maximum value of SAR (measured) = 15.47 W/kg



0 dB = 15.47 W/kg

ANNEX C TEST DATA

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

Date: 2023.05.17

Communication System Band: GPRS850; Frequency: 848.8 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.926 S/m; ε_r = 41.472; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.983 W/kg

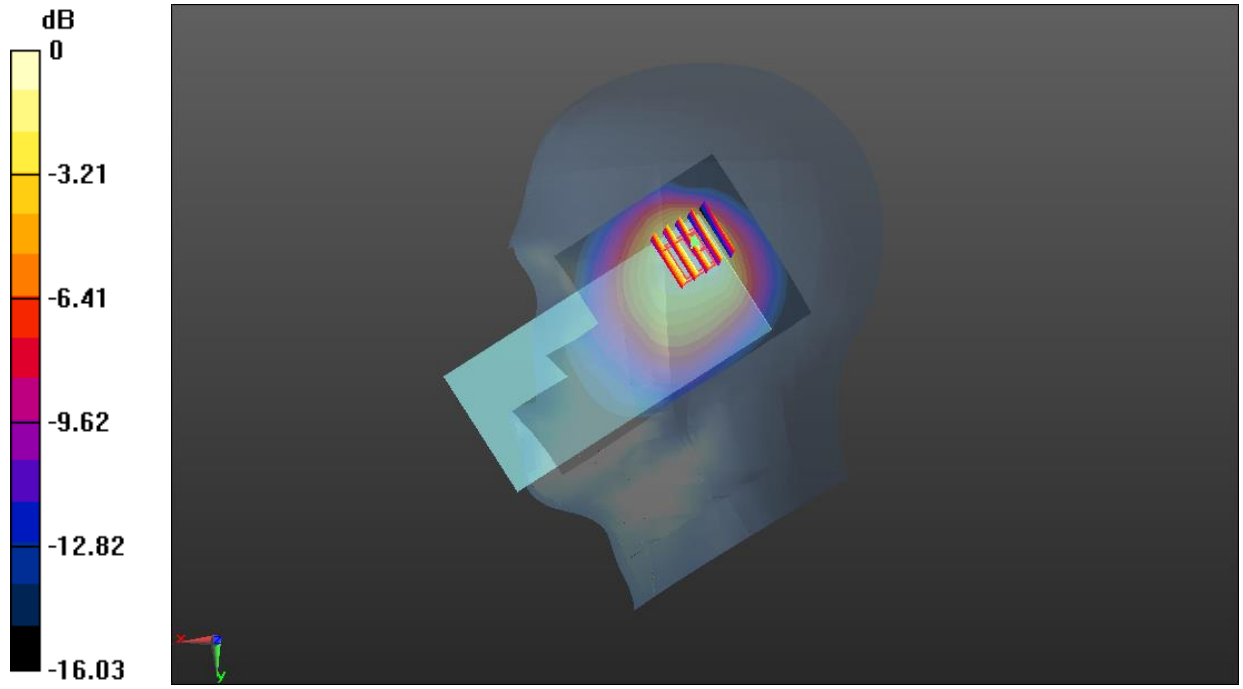
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.71 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.723 W/kg; SAR(10 g) = 0.451 W/kg

Maximum value of SAR (measured) = 0.752 W/kg



0 dB = 0.752 W/kg

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

Date: 2023.05.17

Communication System Band: GPRS850; Frequency: 824.2 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.893 S/m; ε_r = 42.134; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch128/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

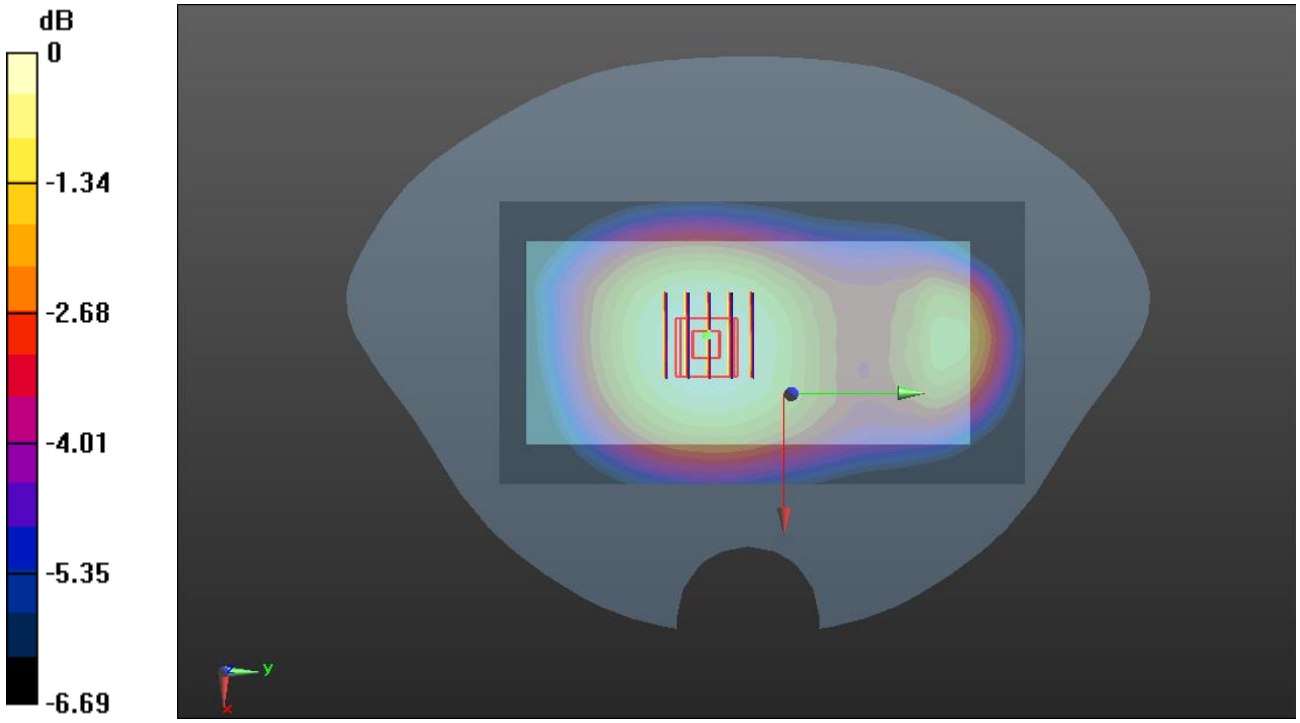
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.06 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.159 W/kg

SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.107 W/kg

Maximum value of SAR (measured) = 0.140 W/kg



0 dB = 0.140 W/kg

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

Date: 2023.05.17

Communication System Band: GPRS850; Frequency: 824.2 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.893 S/m; ε_r = 42.134; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch128/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

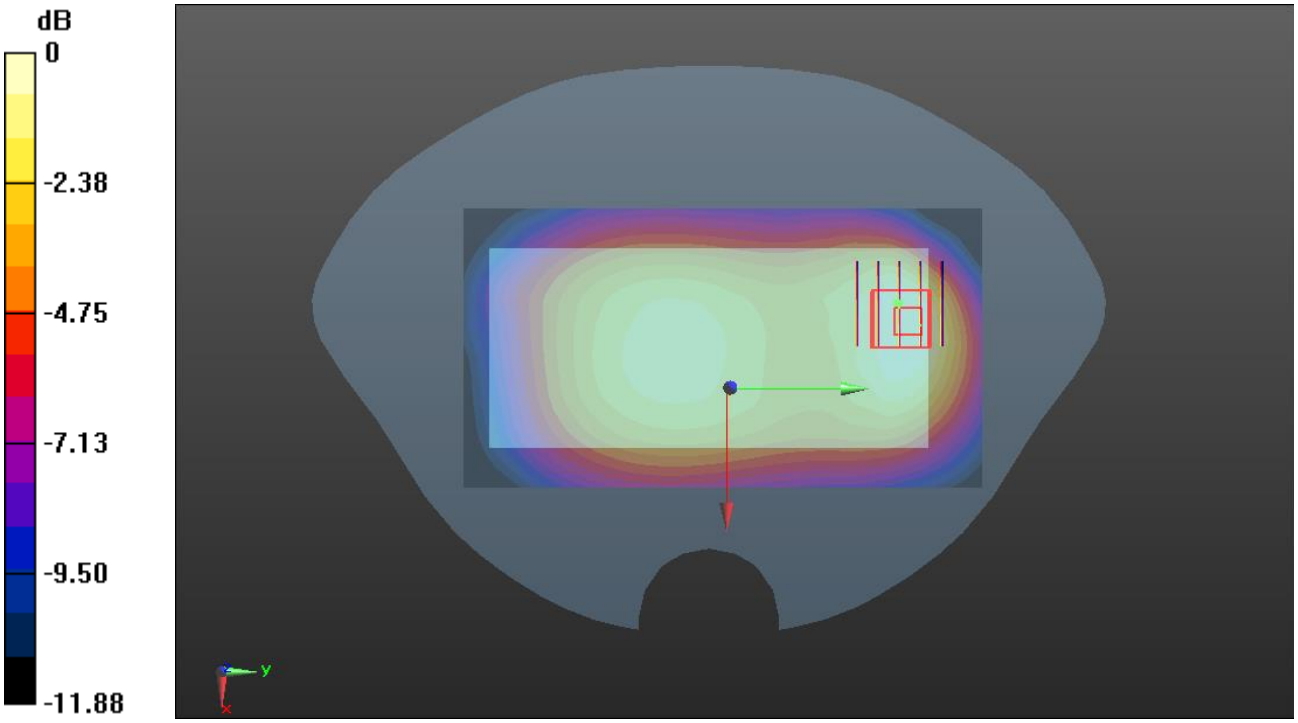
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.47 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.252 W/kg

SAR(1 g) = 0.150 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.4 Right Head with Tilt on High Channel in GPRS1900 2Slots mode with Antenna 1

Date: 2023.05.18

Communication System Band: GPRS1900; Frequency: 1909.8 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 1909.8 MHz; σ = 1.397 S/m; ε_r = 39.803; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.865 W/kg

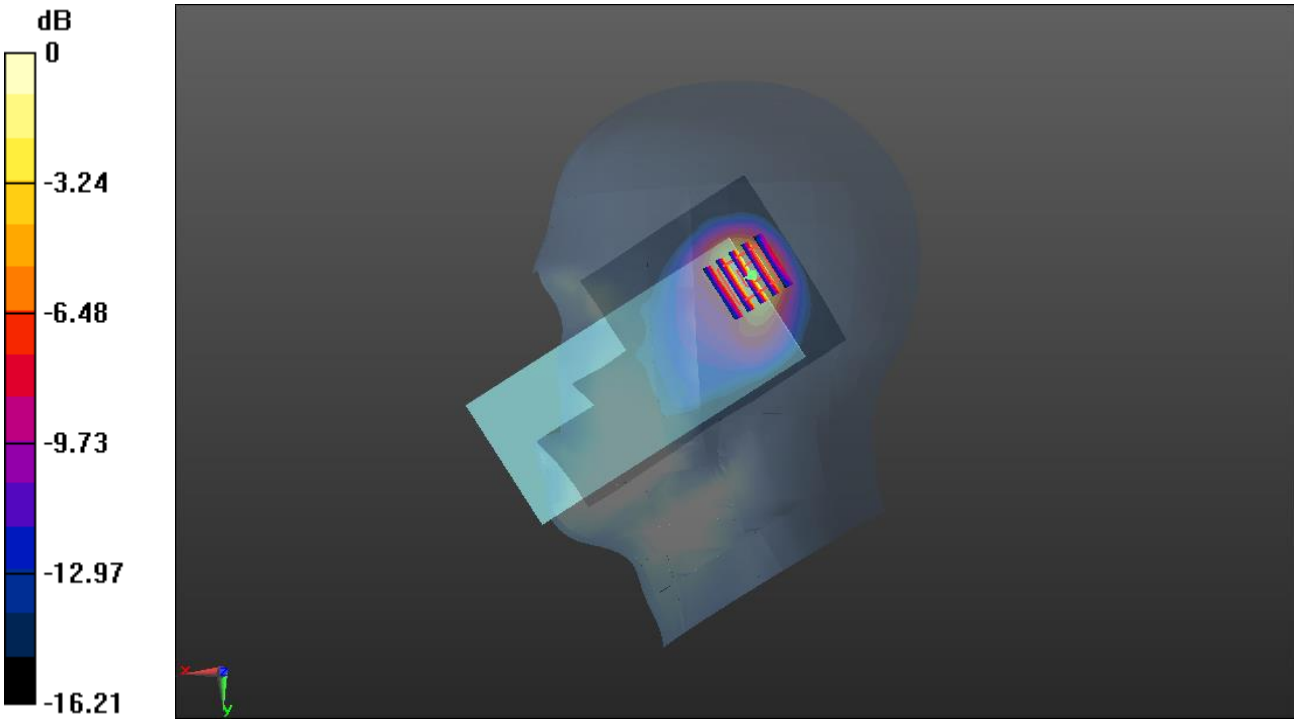
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.44 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.410 W/kg

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



0 dB = 1.01 W/kg

Meas.5 Body Plane with Back Side 15mm on Middle Channel in GPRS1900 4Slots mode with Antenna 0

Date: 2023.05.18

Communication System Band: GPRS1900; Frequency: 1880 MHz;Duty Cycle: 1:2.08

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.383 S/m; ε_r = 40.261; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

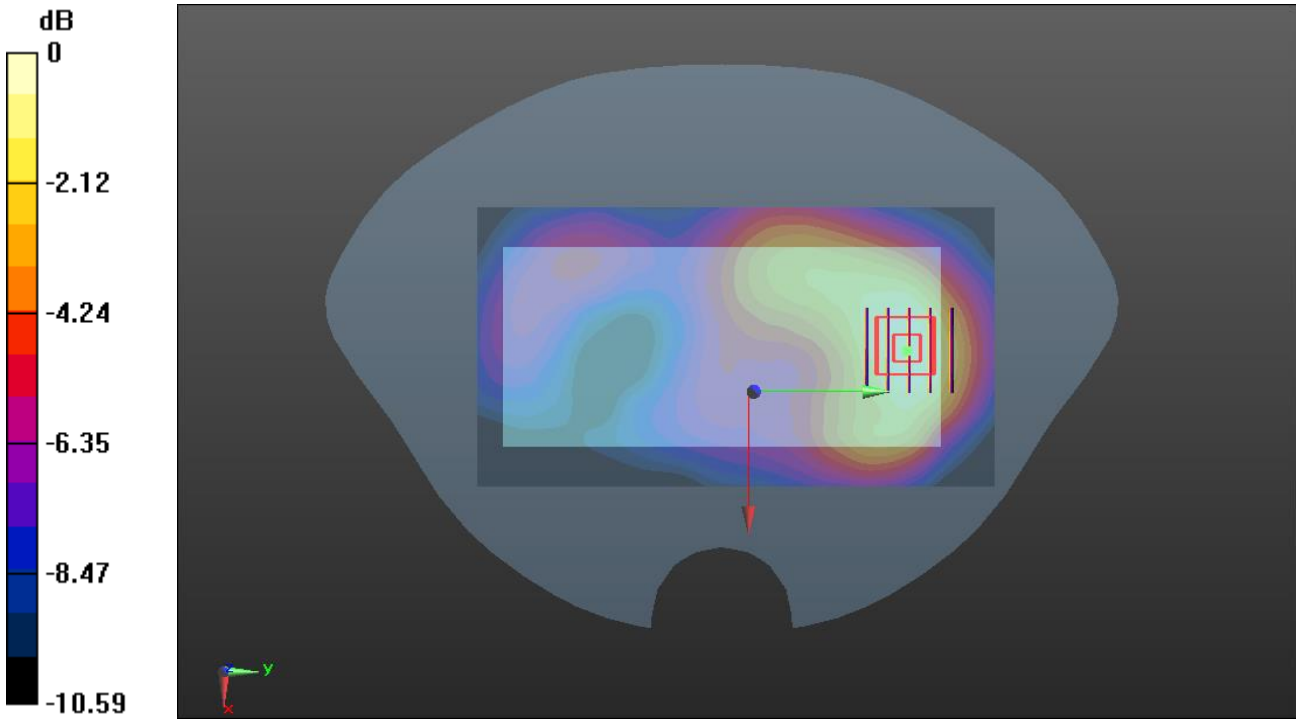
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.152 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.283 W/kg

SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.127 W/kg

Maximum value of SAR (measured) = 0.211 W/kg



0 dB = 0.211 W/kg

Meas.6 Body Plane with Bottom Edge 10mm on Middle Channel in GPRS1900 4Slots mode with Antenna 0

Date: 2023.05.18

Communication System Band: GPRS1900; Frequency: 1880 MHz;Duty Cycle: 1:2.08

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.383 S/m; ε_r = 40.261; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

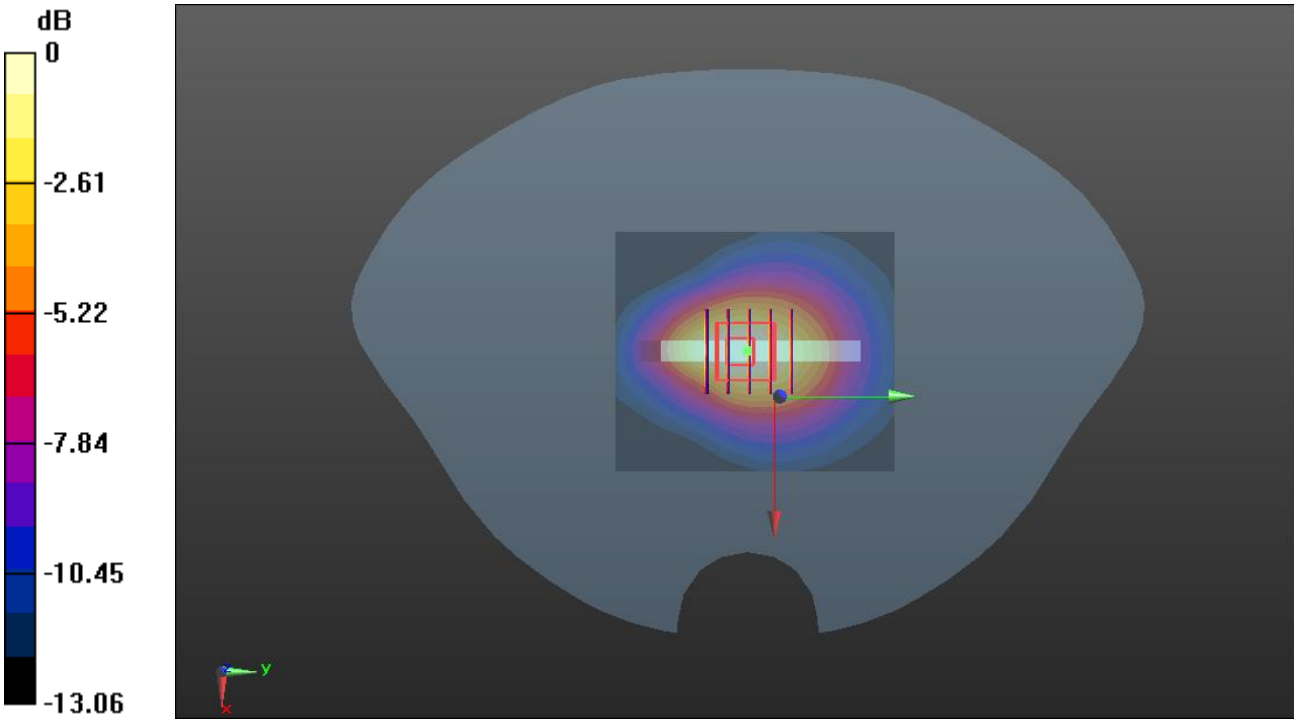
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.75 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.576 W/kg

SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.219 W/kg

Maximum value of SAR (measured) = 0.399 W/kg



0 dB = 0.399 W/kg

Meas.7 Right Head with Tilt on Middle Channel in WCDMA Band2 mode with Antenna 1

Date: 2023.05.18

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.383 S/m; ε_r = 40.261; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.698 W/kg

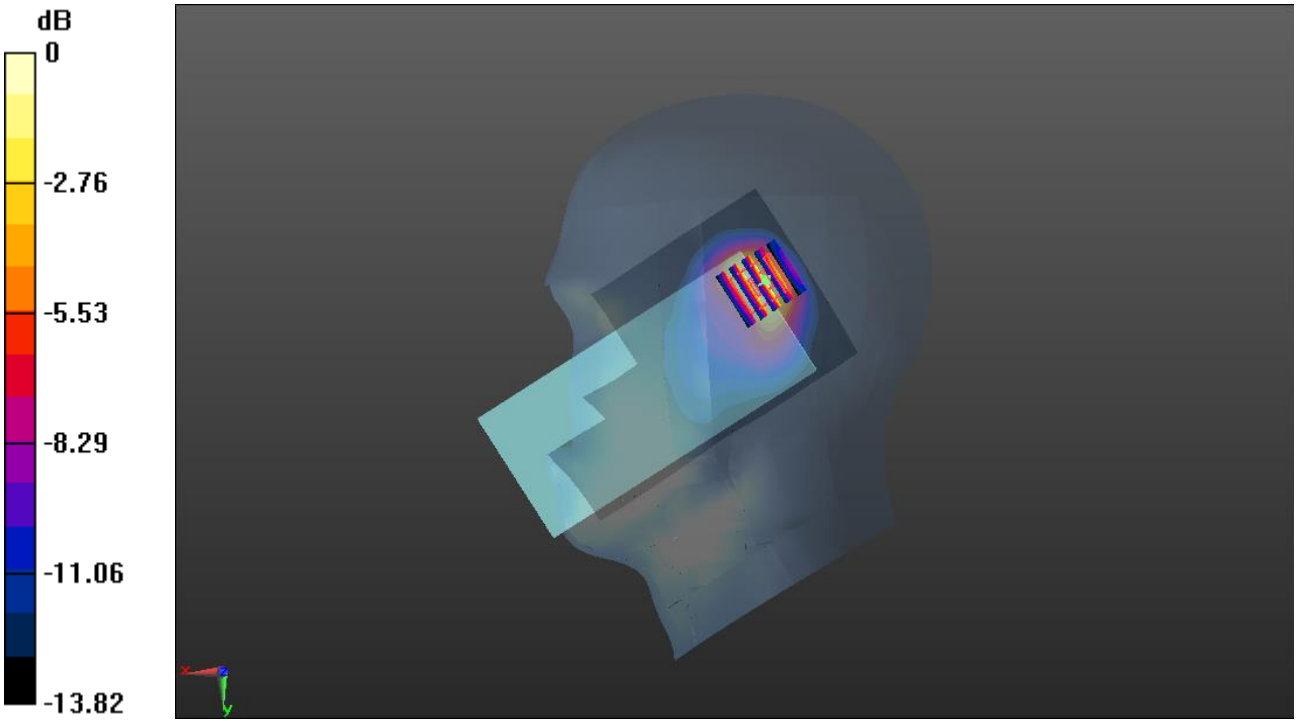
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.38 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.321 W/kg

Maximum value of SAR (measured) = 0.757 W/kg



0 dB = 0.757 W/kg

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

Date: 2023.05.18

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.383 S/m; ε_r = 40.261; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.244 W/kg

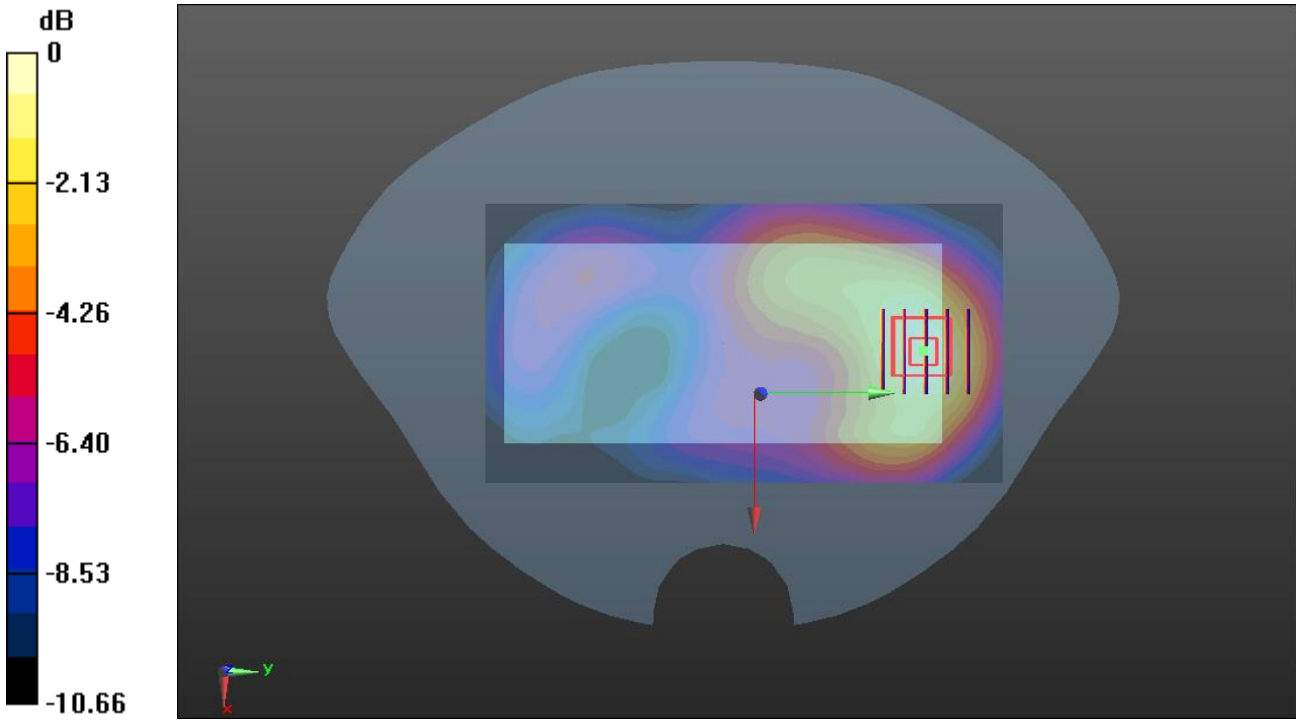
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.388 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.333 W/kg

SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.146 W/kg

Maximum value of SAR (measured) = 0.244 W/kg



0 dB = 0.244 W/kg

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

Date: 2023.05.18

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.383 S/m; ε_r = 40.261; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

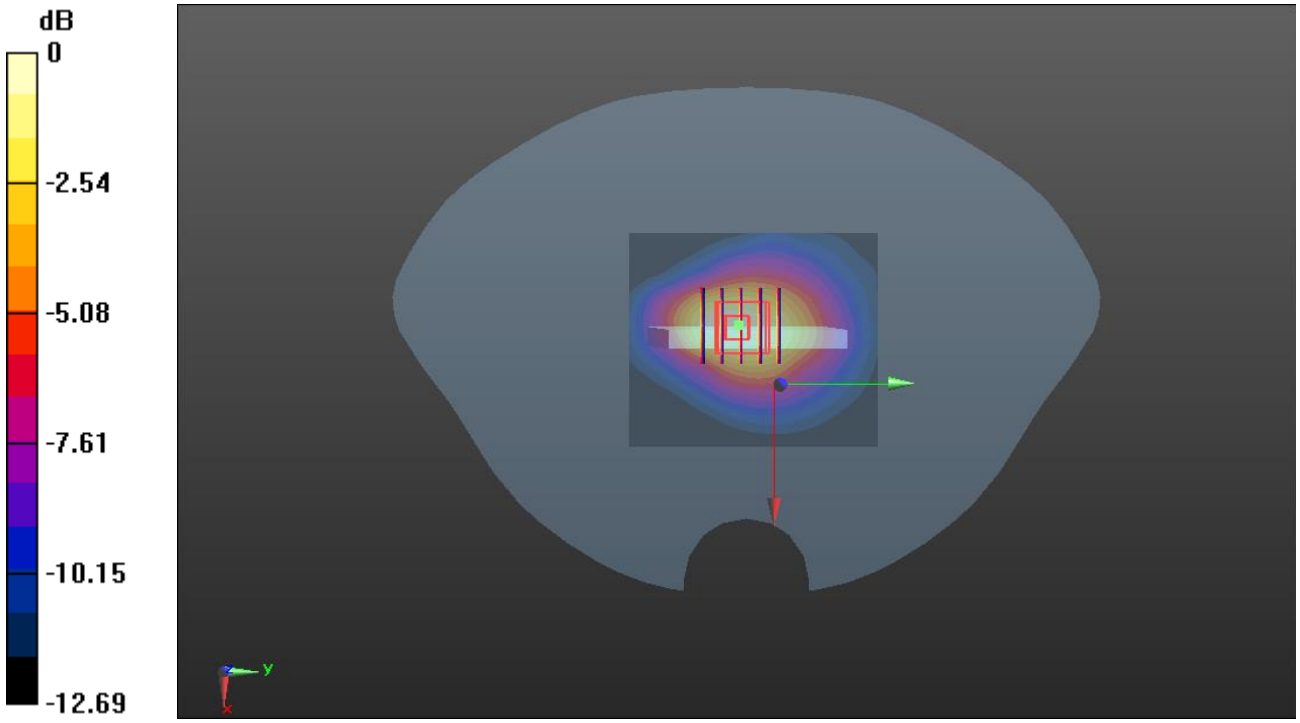
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.47 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.576 W/kg

SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.220 W/kg

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



0 dB = 0.403 W/kg

Meas.10 Body Plane with Top Edge 0mm on Middle Channel in WCDMA Band2 mode with Antenna 1

Date: 2023.05.18

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.383 S/m; ε_r = 40.261; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.67 W/kg

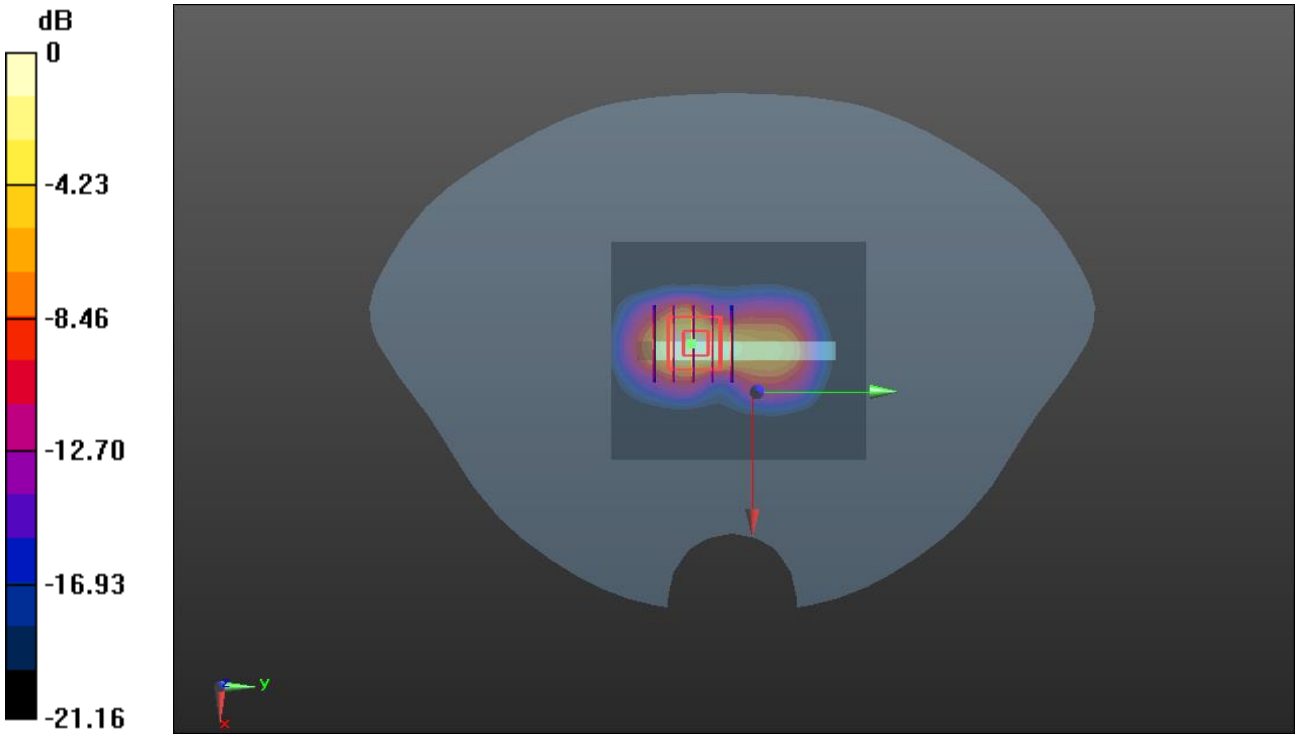
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.91 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 7.98 W/kg

SAR(1 g) = 3.11 W/kg; SAR(10 g) = 1.22 W/kg

Maximum value of SAR (measured) = 3.93 W/kg



0 dB = 3.93 W/kg

Meas.11 Right Head with Tilt on Low Channel in WCDMA Band4 mode with Antenna 1

Date: 2023.05.19

Communication System Band: Band 4; Frequency: 1712.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.34 S/m; ε_r = 40.664; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1312/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.824 W/kg

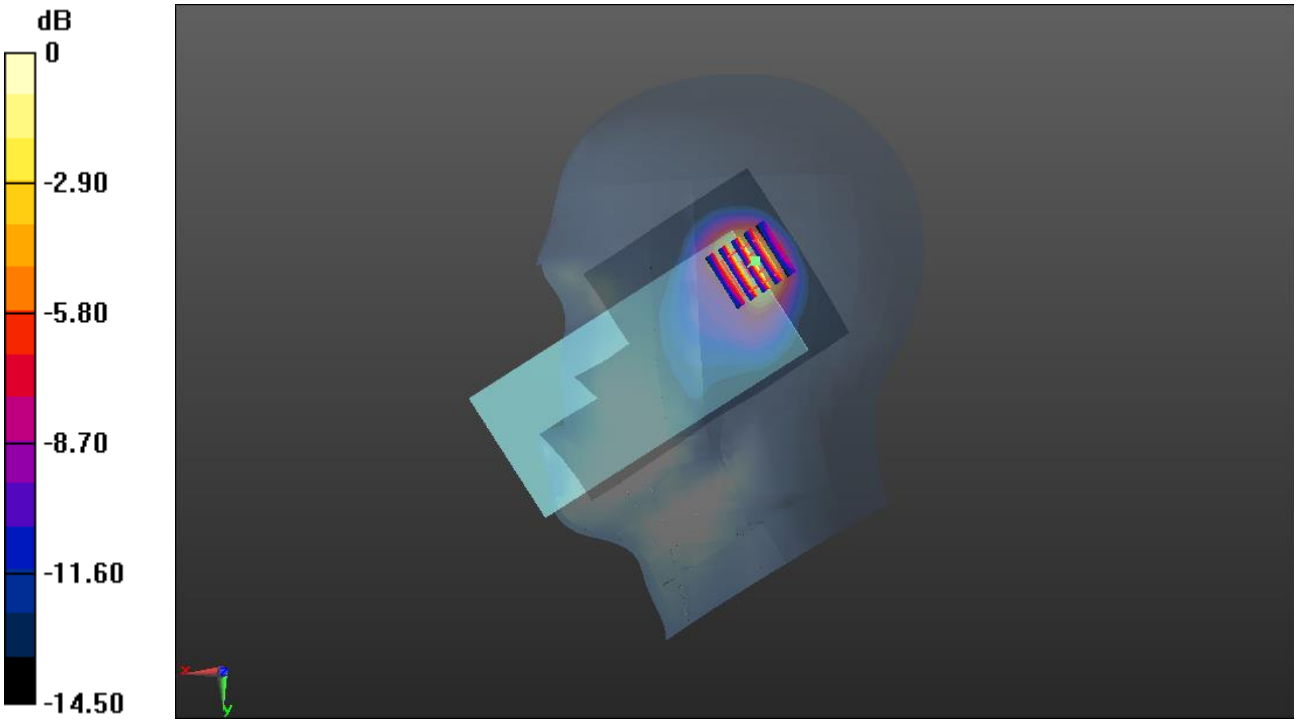
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.08 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.809 W/kg; SAR(10 g) = 0.407 W/kg

Maximum value of SAR (measured) = 0.960 W/kg



0 dB = 0.960 W/kg

Meas.12 Body Plane with Back Side 15mm on Low Channel in WCDMA Band4 mode with Antenna 1

Date: 2023.05.19

Communication System Band: Band 4; Frequency: 1712.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.34 S/m; ε_r = 40.664; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1312/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

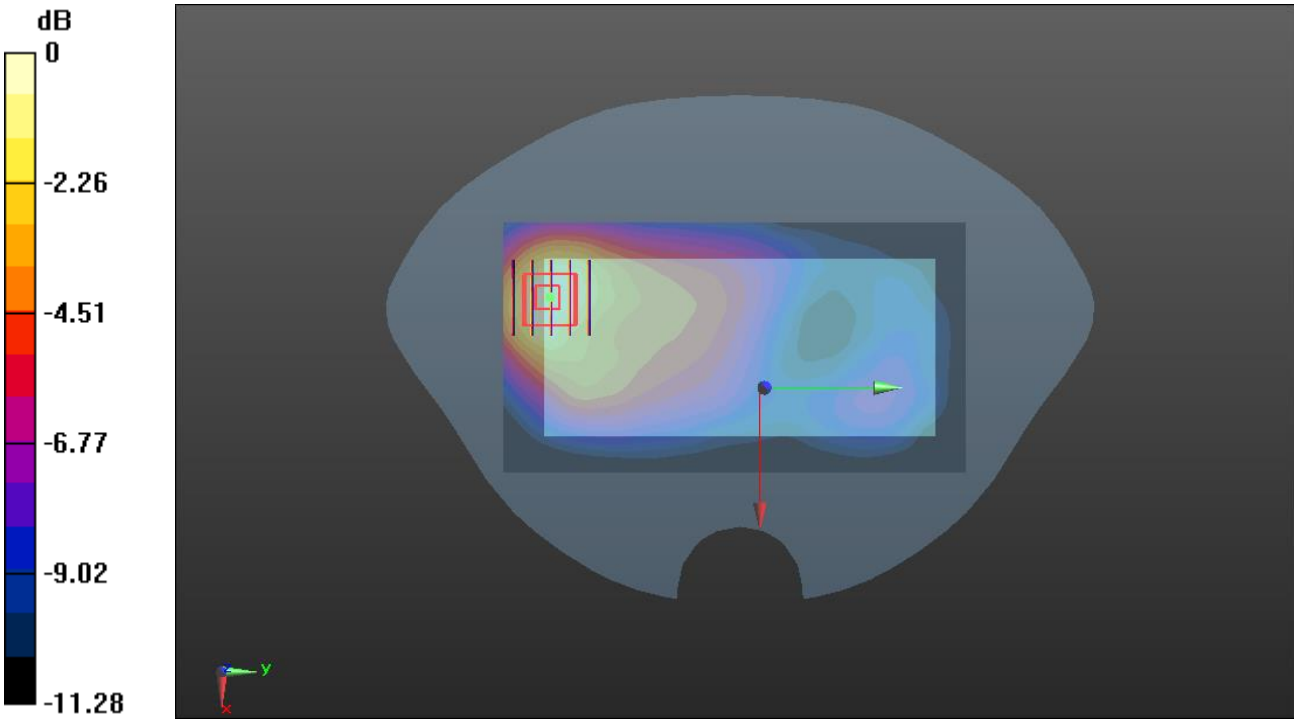
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.146 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.355 W/kg

SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.146 W/kg

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



0 dB = 0.253 W/kg

Meas.13 Body Plane with Top Edge 10mm on Low Channel in WCDMA Band4 mode with Antenna 1

Date: 2023.05.19

Communication System Band: Band 4; Frequency: 1712.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.34 S/m; ε_r = 40.664; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1312/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.350 W/kg

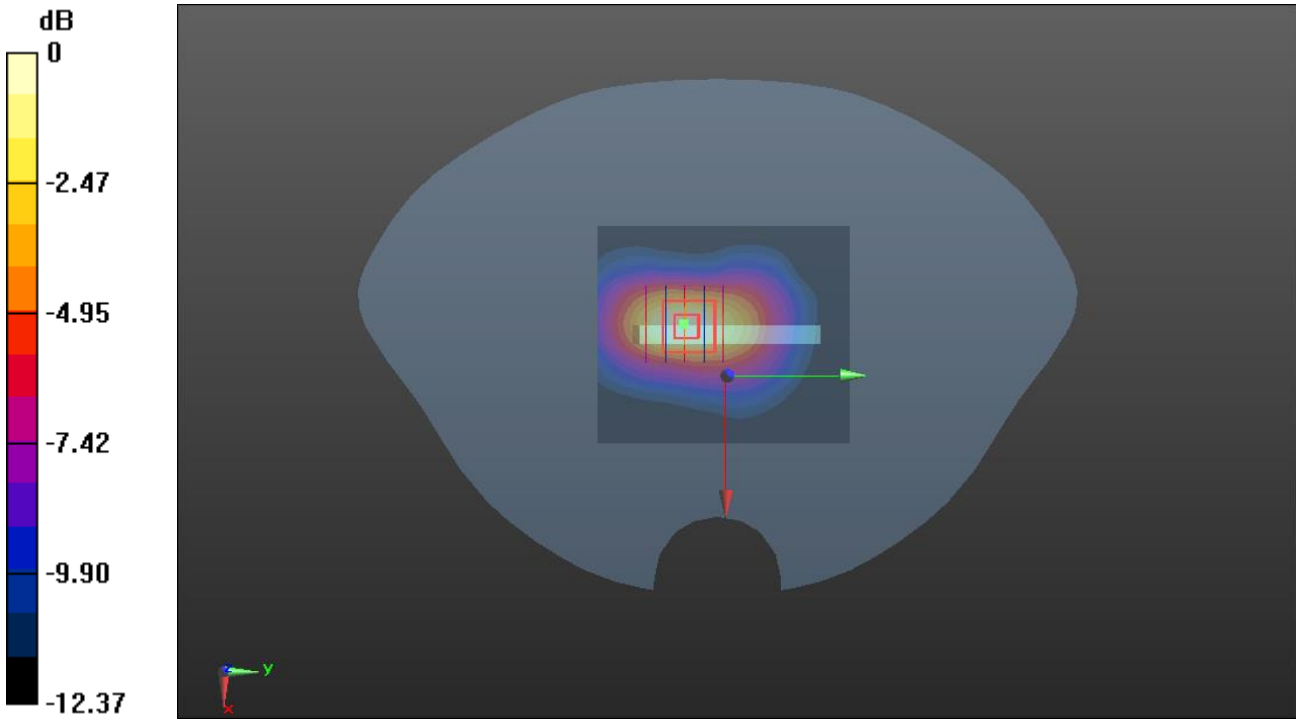
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.32 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.489 W/kg

SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.167 W/kg

Maximum value of SAR (measured) = 0.336 W/kg



0 dB = 0.336 W/kg

Meas.14 Body Plane with Top Edge 0mm on Low Channel in WCDMA Band4 mode with Antenna 1

Date: 2023.05.19

Communication System Band: Band 4; Frequency: 1712.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.34 S/m; ε_r = 40.664; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1312/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.80 W/kg

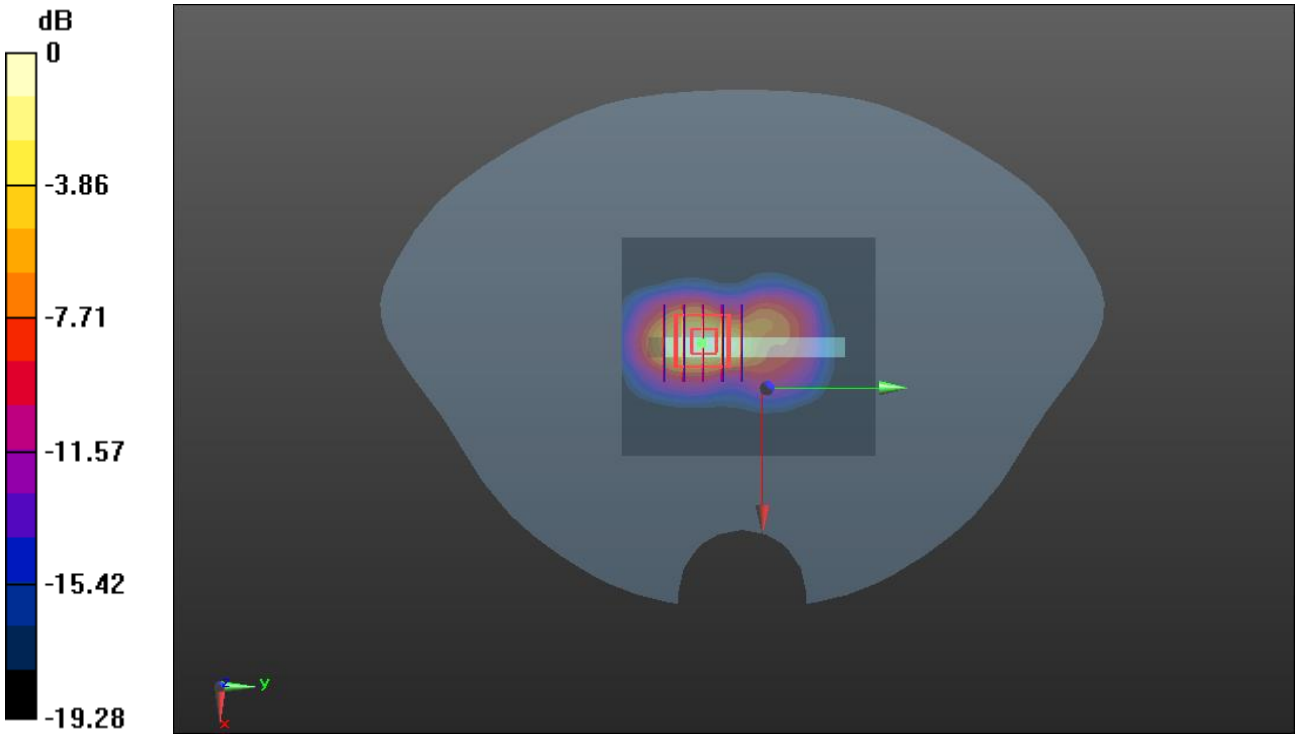
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.13 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 7.24 W/kg

SAR(1 g) = 2.99 W/kg; SAR(10 g) = 1.23 W/kg

Maximum value of SAR (measured) = 3.84 W/kg



0 dB = 3.84 W/kg

Meas.15 Right Head with Cheek on High Channel in WCDMA Band5 mode with Antenna 1

Date: 2023.05.17

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

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.919 S/m; ε_r = 41.582; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.879 W/kg

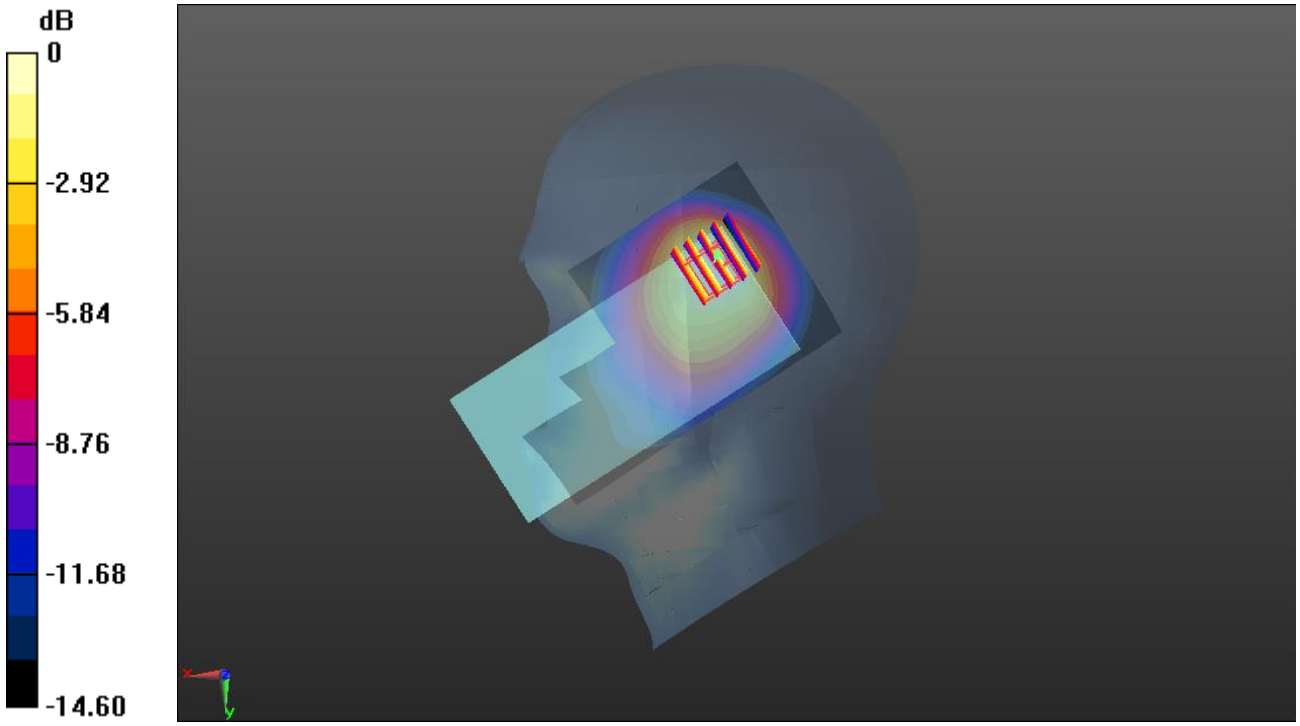
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.82 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.645 W/kg; SAR(10 g) = 0.413 W/kg

Maximum value of SAR (measured) = 0.673 W/kg



0 dB = 0.673 W/kg

Meas.16 Body Plane with Back Side 15mm on High Channel in WCDMA Band5 mode with Antenna 0

Date: 2023.05.17

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

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.919 S/m; ε_r = 41.582; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.151 W/kg

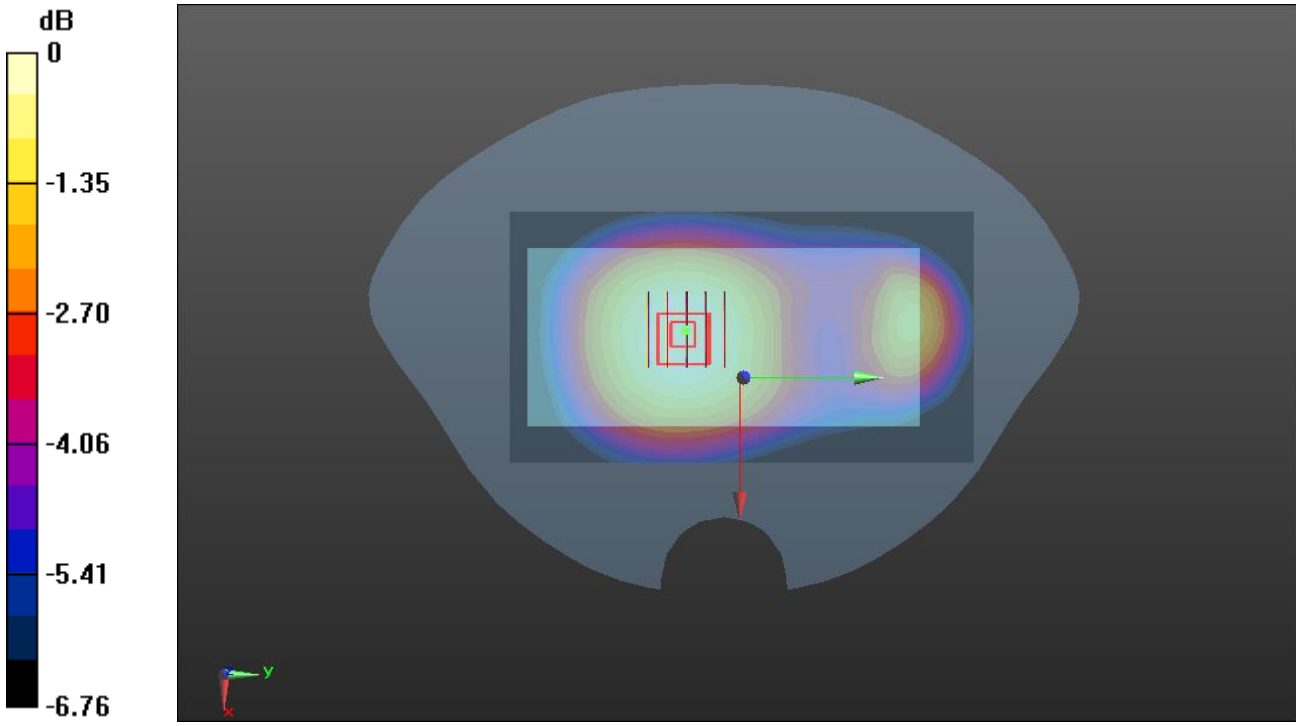
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.26 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.169 W/kg

SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.148 W/kg



0 dB = 0.148 W/kg

Meas.17 Body Plane with Back Side 10mm on High Channel in WCDMA Band5 mode with Antenna 0

Date: 2023.05.17

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

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.919 S/m; ε_r = 41.582; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.158 W/kg

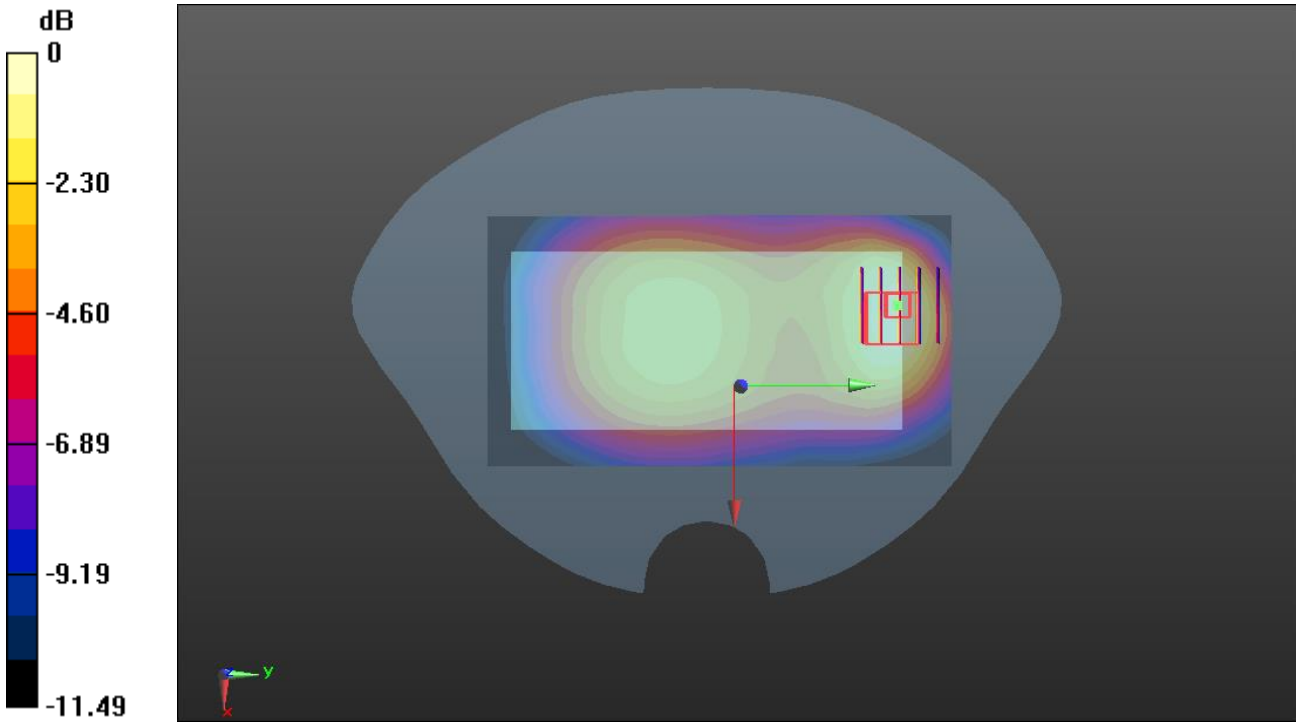
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.27 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.095 W/kg

Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg

Meas.18 Right Head with Tilt on High Channel in LTE Band2 mode with Antenna 1

Date: 2023.05.20

Communication System Band: Band 2; Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.4 S/m; ε_r = 39.74; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch19100/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.729 W/kg

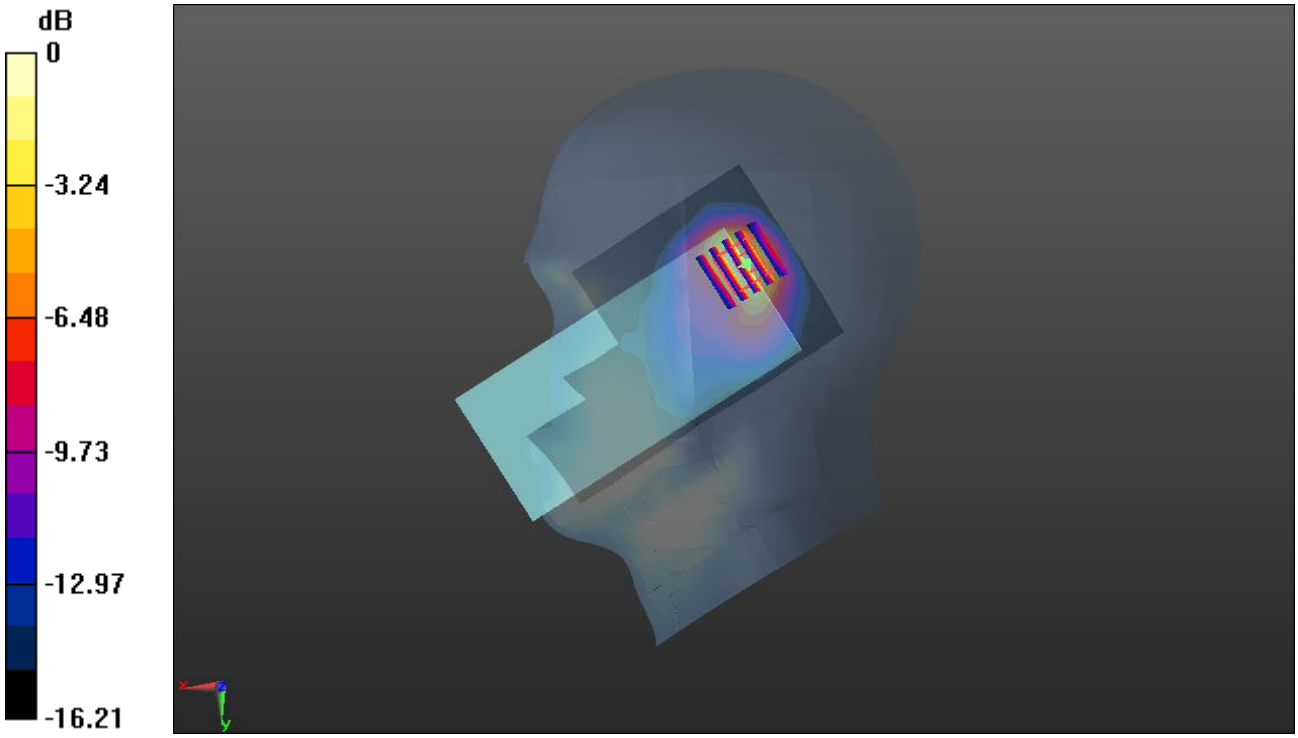
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.00 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.350 W/kg

Maximum value of SAR (measured) = 0.868 W/kg



0 dB = 0.868 W/kg

Meas.19 Body Plane with Back Side 15mm on Middle Channel in LTE Band2 mode with Antenna 0

Date: 2023.05.20

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.39 S/m; ε_r = 40; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.265 W/kg

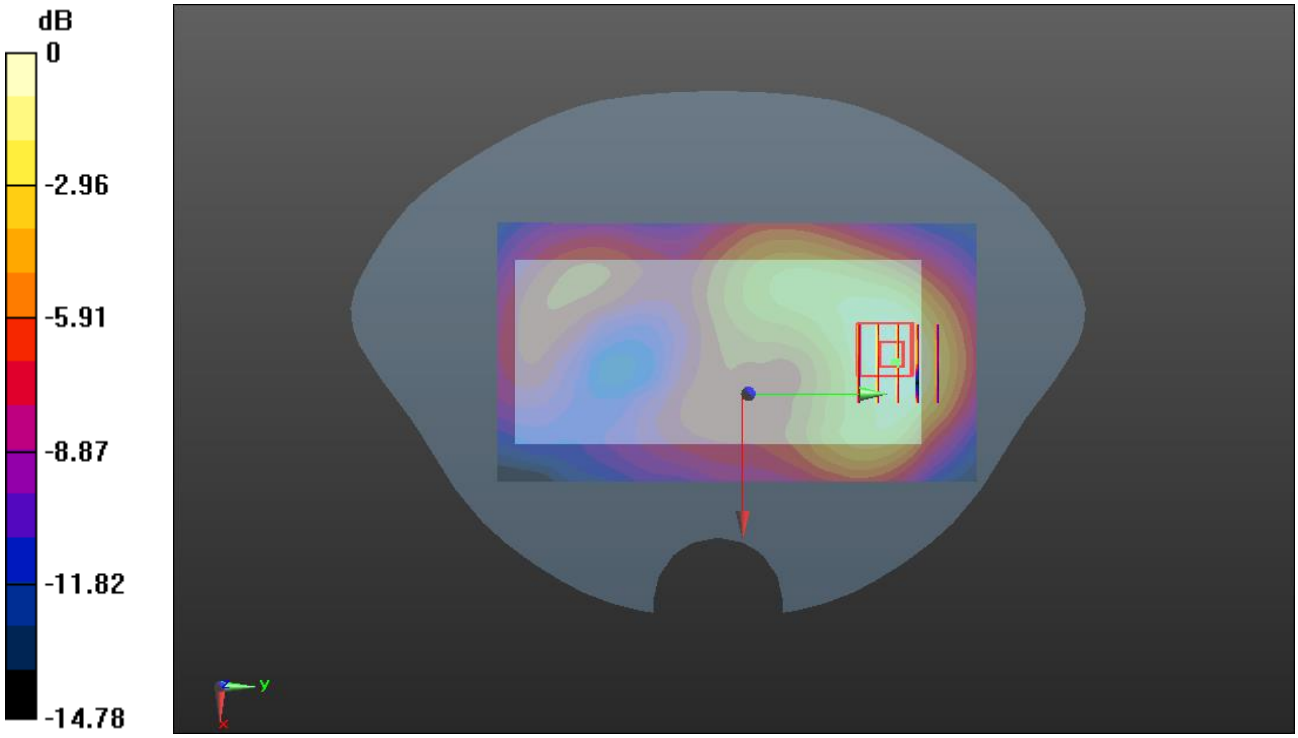
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.583 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.419 W/kg

SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.152 W/kg

Maximum value of SAR (measured) = 0.260 W/kg



0 dB = 0.260 W/kg

Meas.20 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band2 mode with Antenna 0

Date: 2023.05.20

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.39 S/m; ε_r = 40; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.509 W/kg

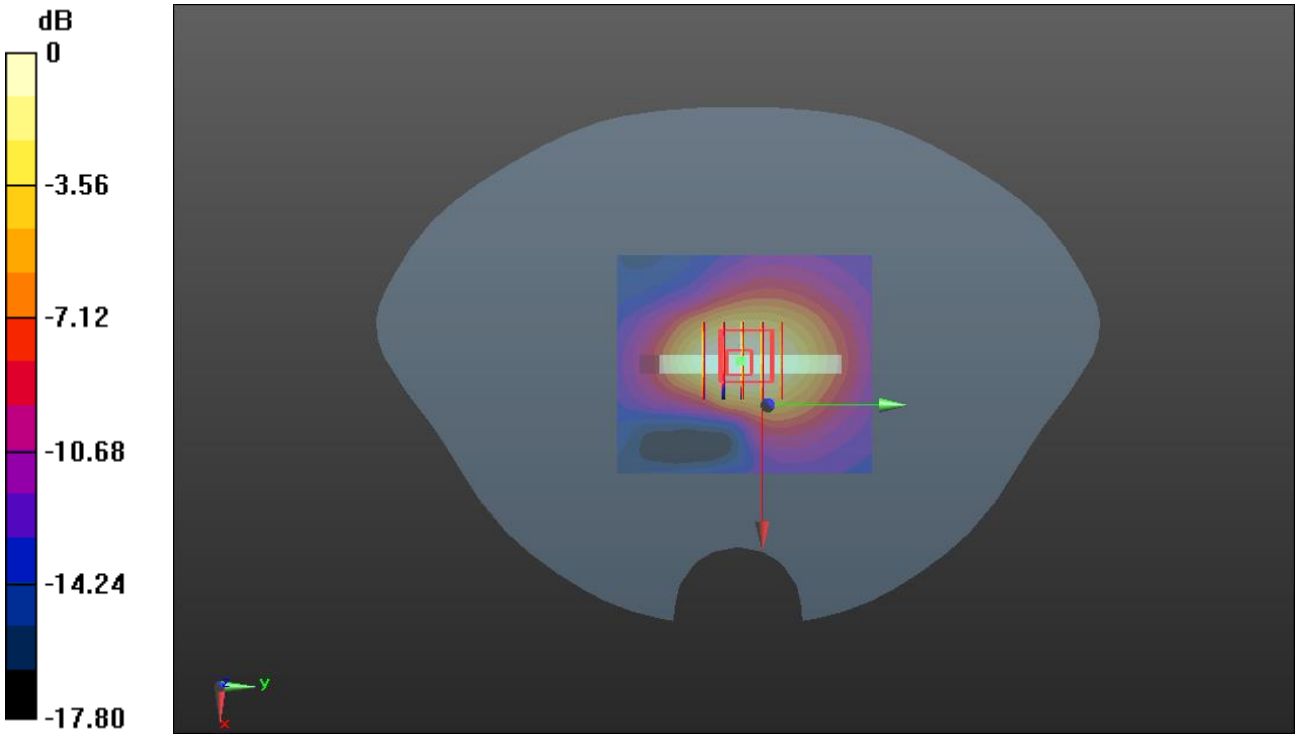
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.67 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.922 W/kg

SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.252 W/kg

Maximum value of SAR (measured) = 0.442 W/kg



0 dB = 0.442 W/kg

Meas.21 Body Plane with Top Edge 0mm on Middle Channel in LTE Band2 mode with Antenna 1

Date: 2023.05.20

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.39 S/m; ε_r = 40; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

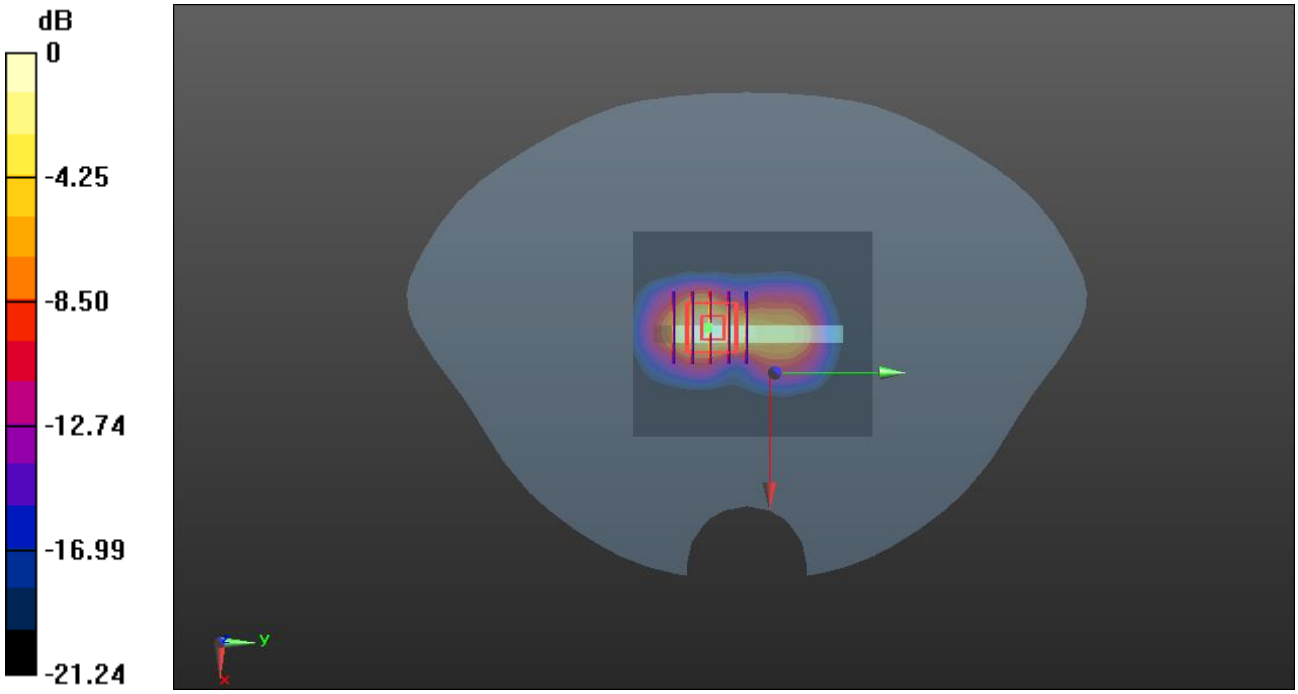
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.47 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 8.11 W/kg

SAR(1 g) = 3.2 W/kg; SAR(10 g) = 1.26 W/kg

Maximum value of SAR (measured) = 4.04 W/kg



0 dB = 4.04 W/kg

Meas.22 Body Plane with Bottom Edge 0mm on Middle Channel in LTE Band2 mode with Antenna 0

Date: 2023.05.20

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.39 S/m; ε_r = 40; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.4, 8.4, 8.4); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.95 W/kg

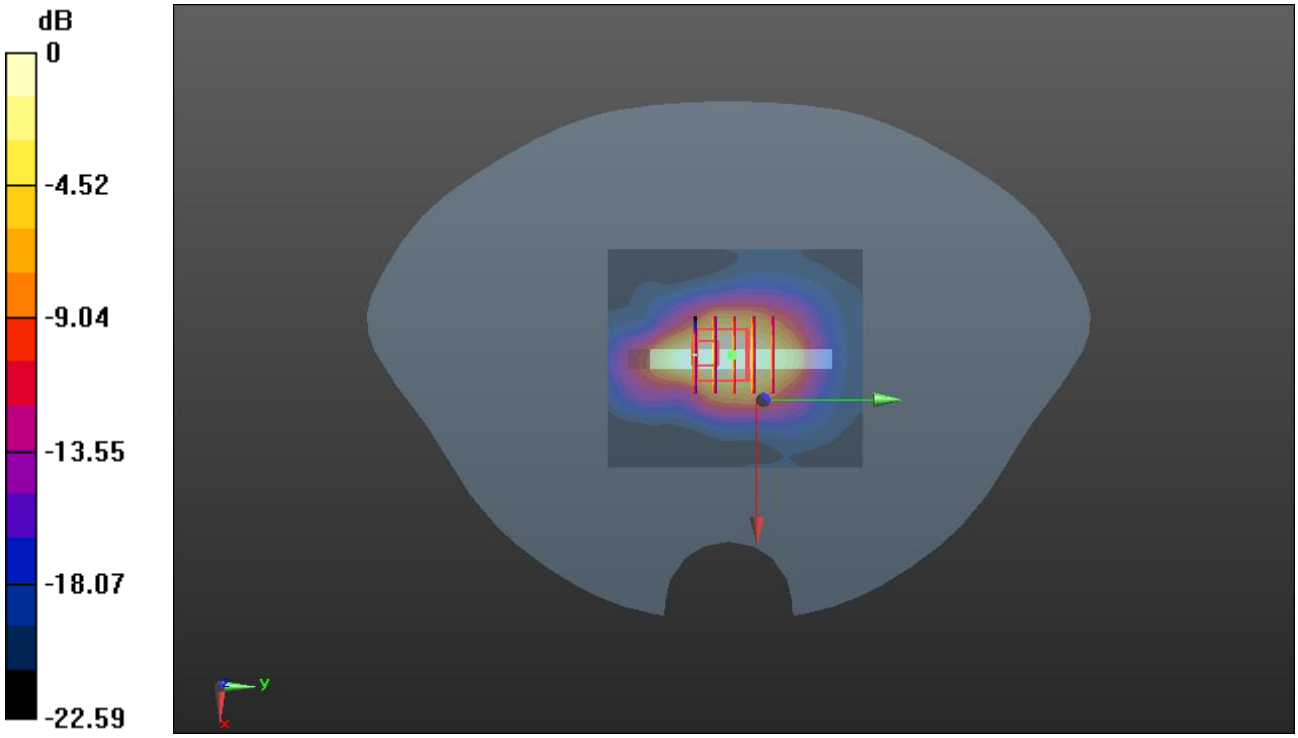
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 42.41 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 5.76 W/kg

SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.14 W/kg

Maximum value of SAR (measured) = 2.72 W/kg



0 dB = 2.72 W/kg

Meas.23 Right Head with Tilt on Low Channel in LTE Band4 mode with Antenna 1

Date: 2023.05.21

Communication System Band: Band 4; Frequency: 1720 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1720 MHz; σ = 1.358 S/m; ε_r = 40.535; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.8℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20050/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.759 W/kg

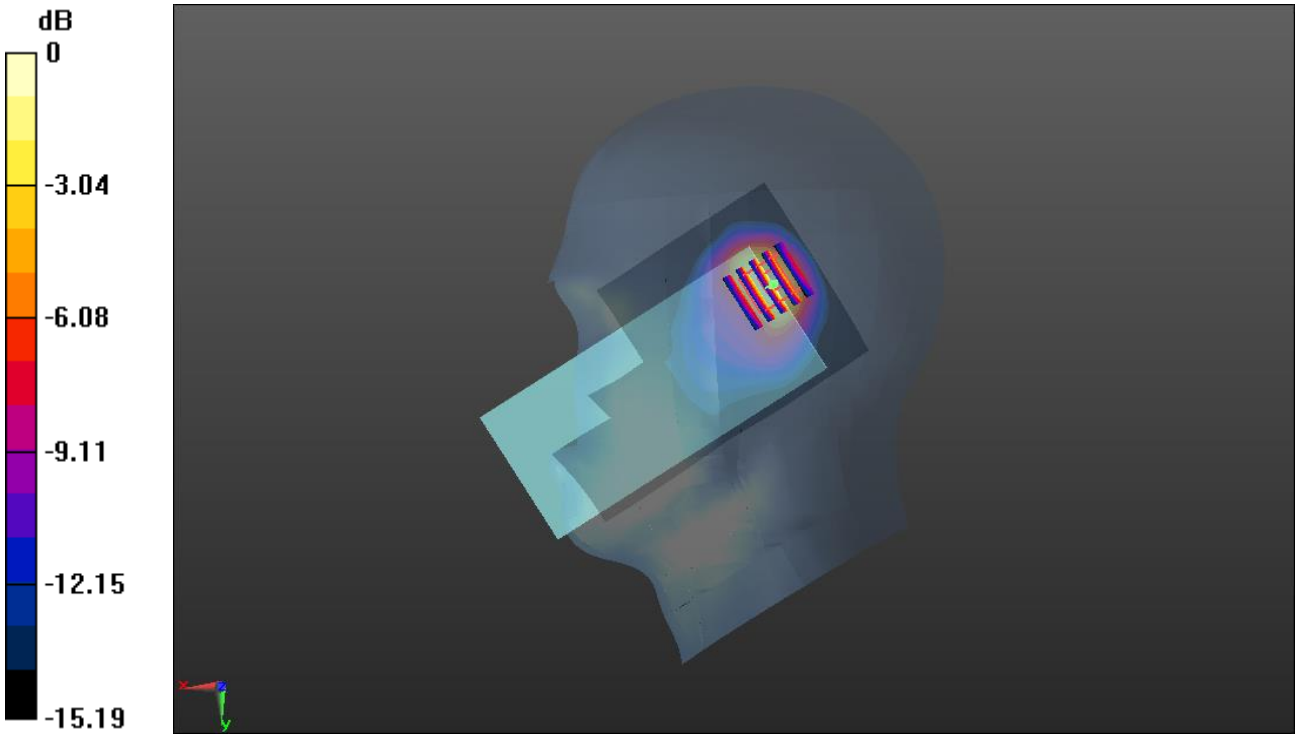
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.26 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.733 W/kg; SAR(10 g) = 0.364 W/kg

Maximum value of SAR (measured) = 0.867 W/kg



0 dB = 0.867 W/kg

Meas.24 Body Plane with Back Side 15mm on Middle Channel in LTE Band4 mode with Antenna 1

Date: 2023.05.21

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

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.369 S/m; ε_r = 40.37; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.217 W/kg

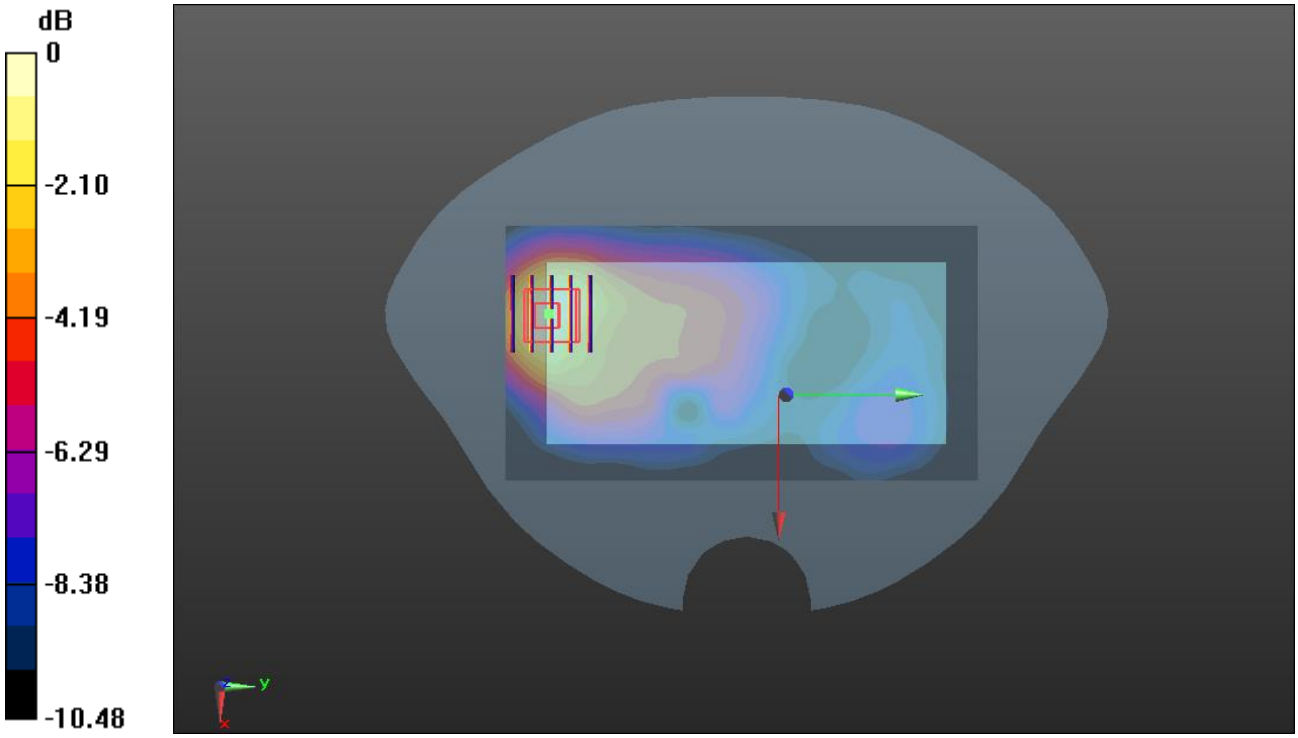
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.817 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.293 W/kg

SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.122 W/kg

Maximum value of SAR (measured) = 0.210 W/kg



0 dB = 0.210 W/kg

Meas.25 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band4 mode with Antenna 0

Date: 2023.05.21

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

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.369 S/m; ε_r = 40.37; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.346 W/kg

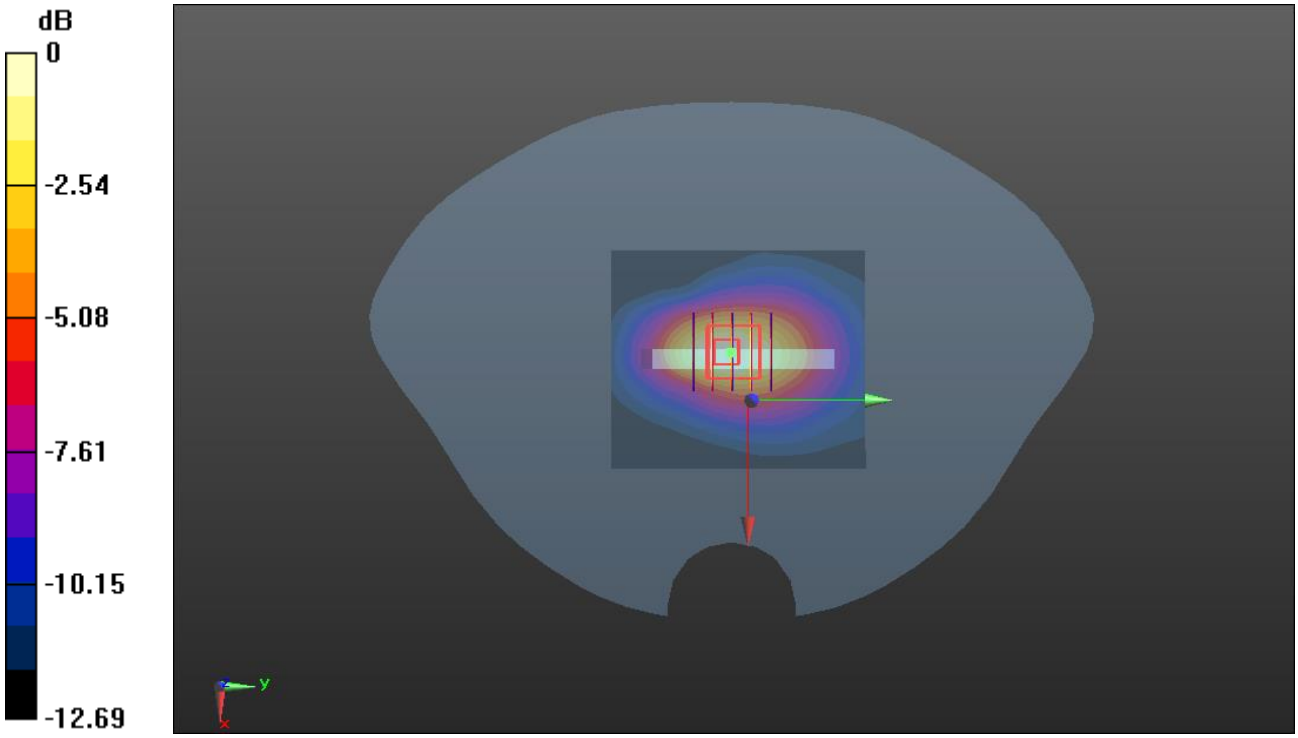
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.26 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.455 W/kg

SAR(1 g) = 0.291 W/kg; SAR(10 g) = 0.170 W/kg

Maximum value of SAR (measured) = 0.323 W/kg



0 dB = 0.323 W/kg

Meas.26 Right Head with Cheek on Low Channel in LTE Band5 mode with Antenna 1

Date: 2023.05.22

Communication System Band: Band 5; Frequency: 829 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 829 MHz; σ = 0.893 S/m; ε_r = 41.904; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20450/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.663 W/kg

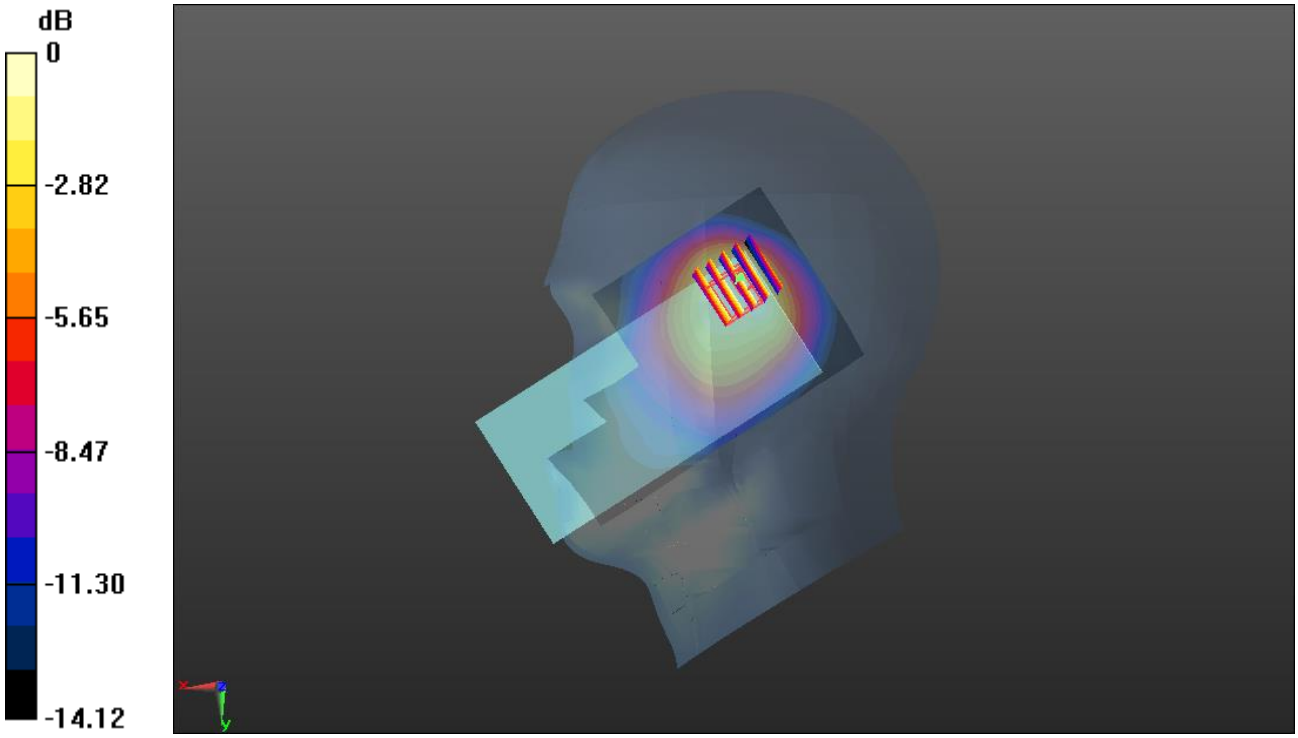
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.58 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.905 W/kg

SAR(1 g) = 0.480 W/kg; SAR(10 g) = 0.309 W/kg

Maximum value of SAR (measured) = 0.495 W/kg



0 dB = 0.495 W/kg

Meas.27 Body Plane with Back Side 15mm on Low Channel in LTE Band5 mode with Antenna 0

Date: 2023.05.22

Communication System Band: Band 5; Frequency: 829 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 829 MHz; σ = 0.893 S/m; ε_r = 41.904; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20450/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

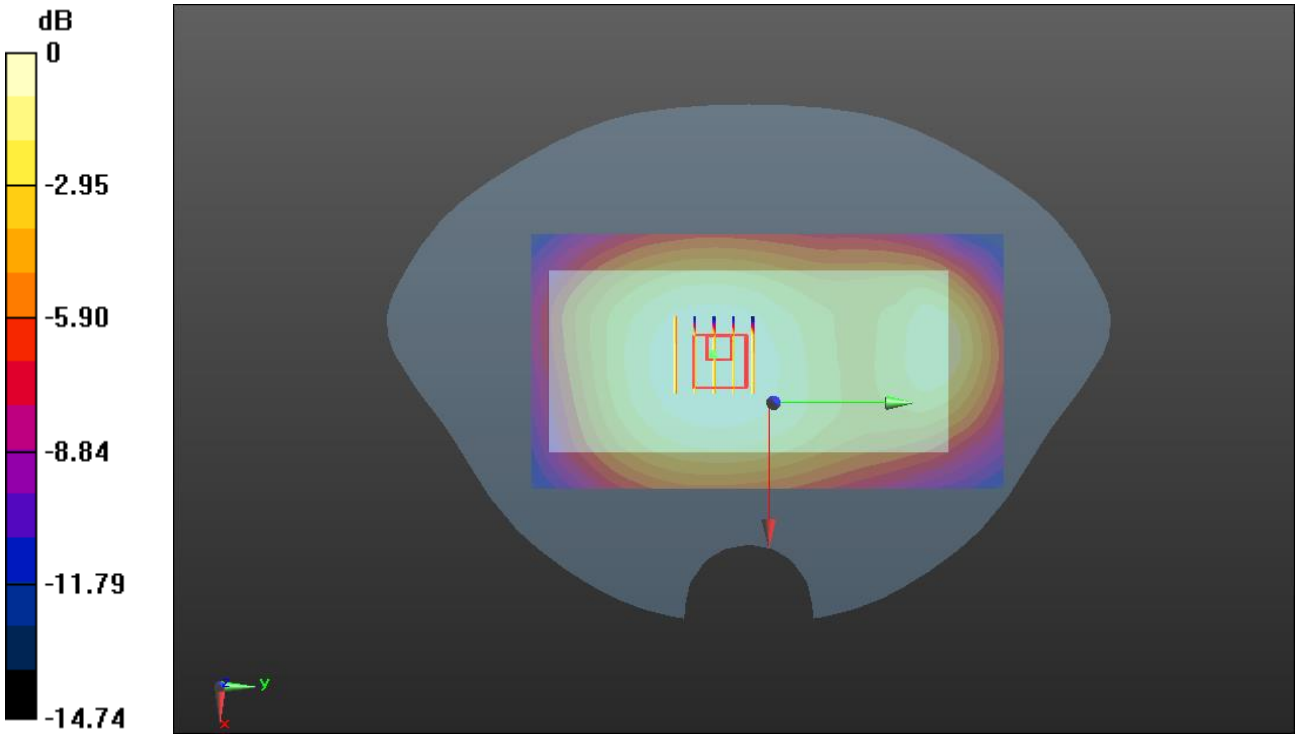
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.05 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.113 W/kg

Maximum value of SAR (measured) = 0.138 W/kg



0 dB = 0.138 W/kg

Meas.28 Body Plane with Back Side 10mm on Low Channel in LTE Band5 mode with Antenna 0

Date: 2023.05.22

Communication System Band: Band 5; Frequency: 829 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 829 MHz; σ = 0.893 S/m; ε_r = 41.904; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.7℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20450/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.177 W/kg

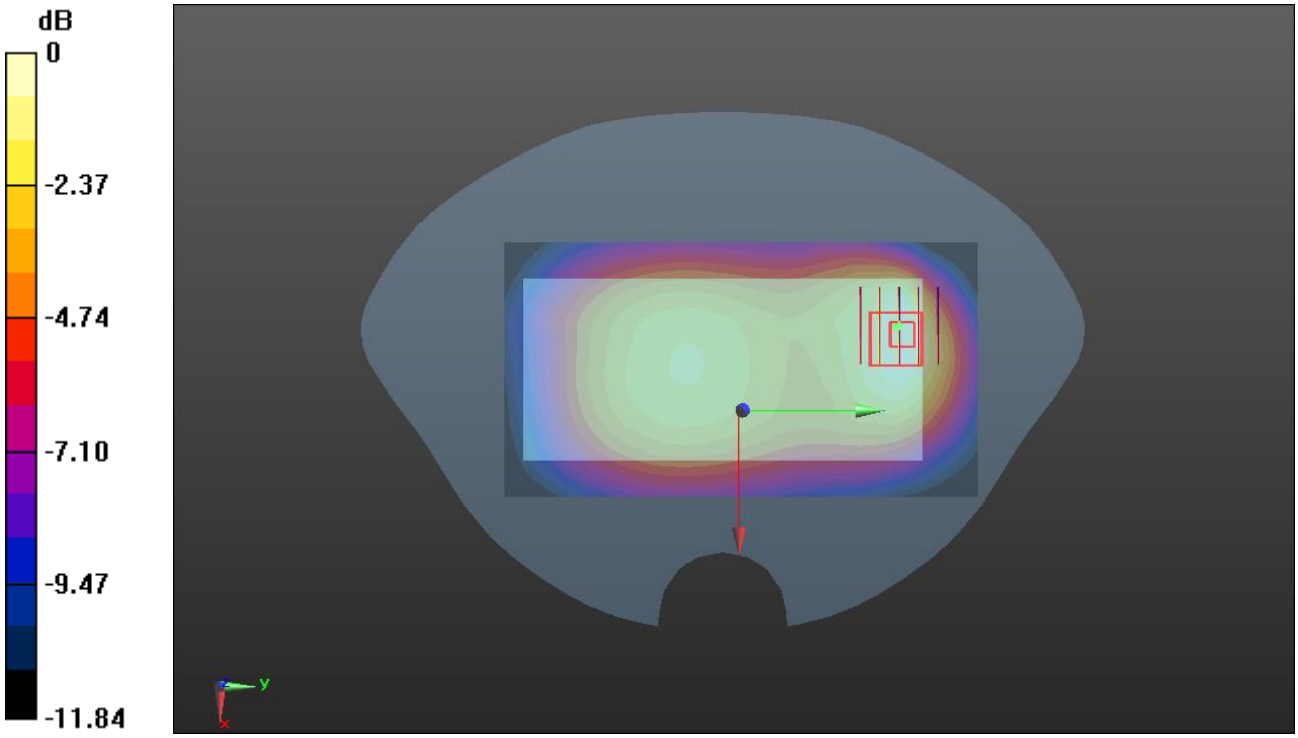
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.65 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.248 W/kg

SAR(1 g) = 0.150 W/kg; SAR(10 g) = 0.096 W/kg

Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg

Meas.29 Right Head with Cheek on Middle Channel in LTE Band7 mode with Antenna 1

Date: 2023.05.23

Communication System Band: Band 7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.905 S/m; ε_r = 38.889; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.688 W/kg

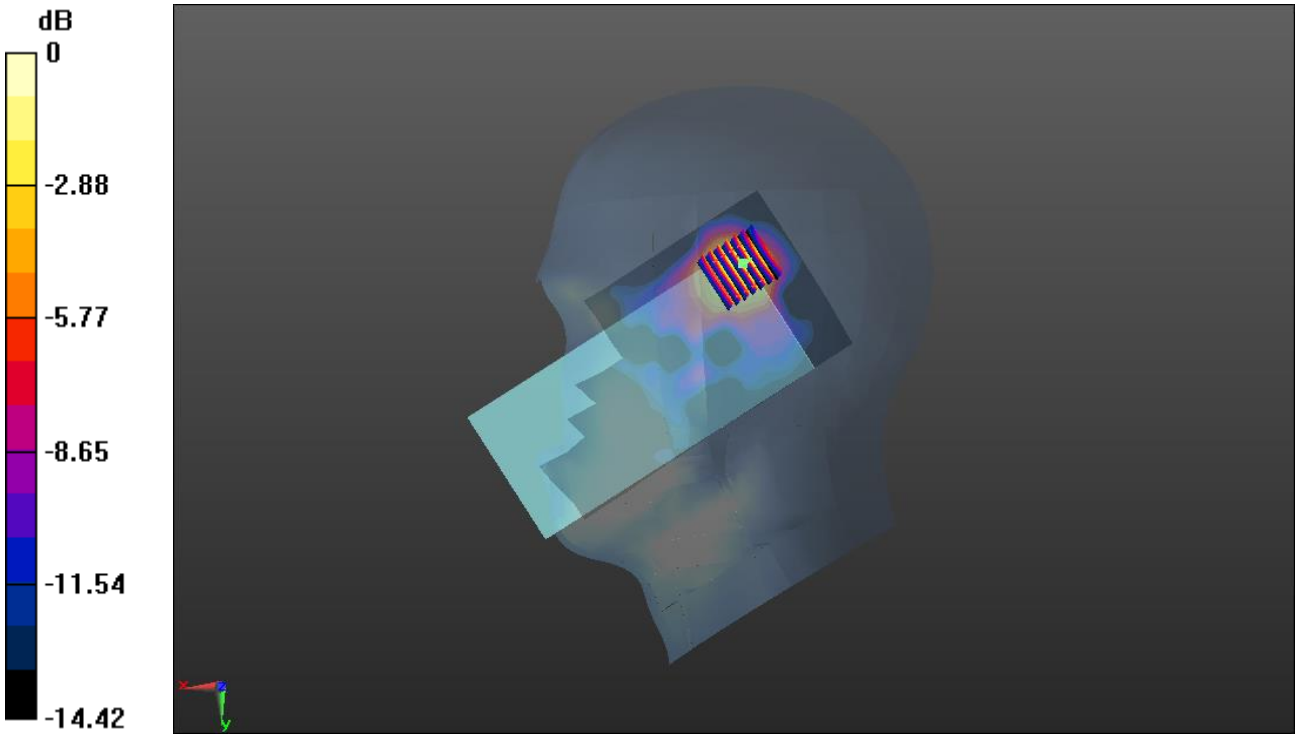
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.105 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.502 W/kg; SAR(10 g) = 0.243 W/kg

Maximum value of SAR (measured) = 0.557 W/kg



0 dB = 0.557 W/kg

Meas.30 Body Plane with Back Side 15mm on Middle Channel in LTE Band7 mode with Antenna 0

Date: 2023.05.23

Communication System Band: Band 7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.905 S/m; ε_r = 38.889; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.280 W/kg

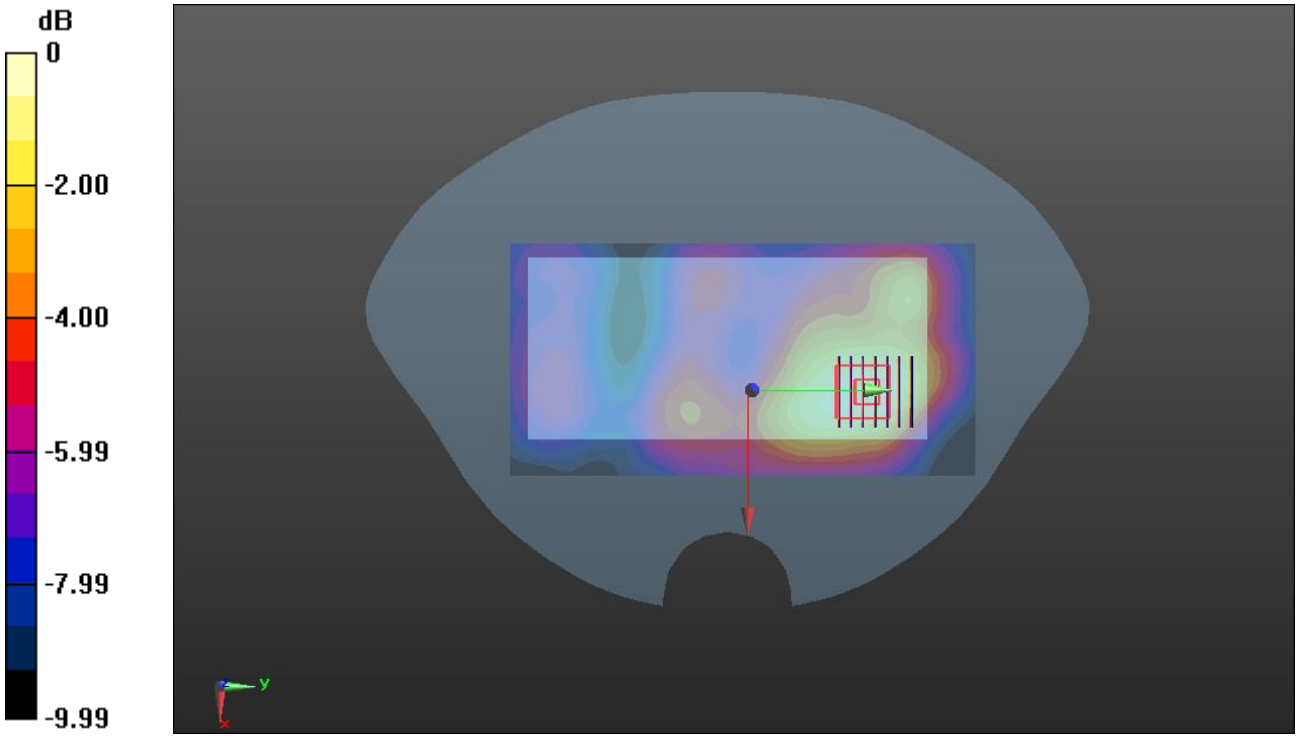
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.428 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.408 W/kg

SAR(1 g) = 0.259 W/kg; SAR(10 g) = 0.163 W/kg

Maximum value of SAR (measured) = 0.278 W/kg



0 dB = 0.278 W/kg

Meas.31 Body Plane with Back Side 10mm on Middle Channel in LTE Band7 mode with Antenna 0

Date: 2023.05.23

Communication System Band: Band 7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.905 S/m; ε_r = 38.889; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.362 W/kg

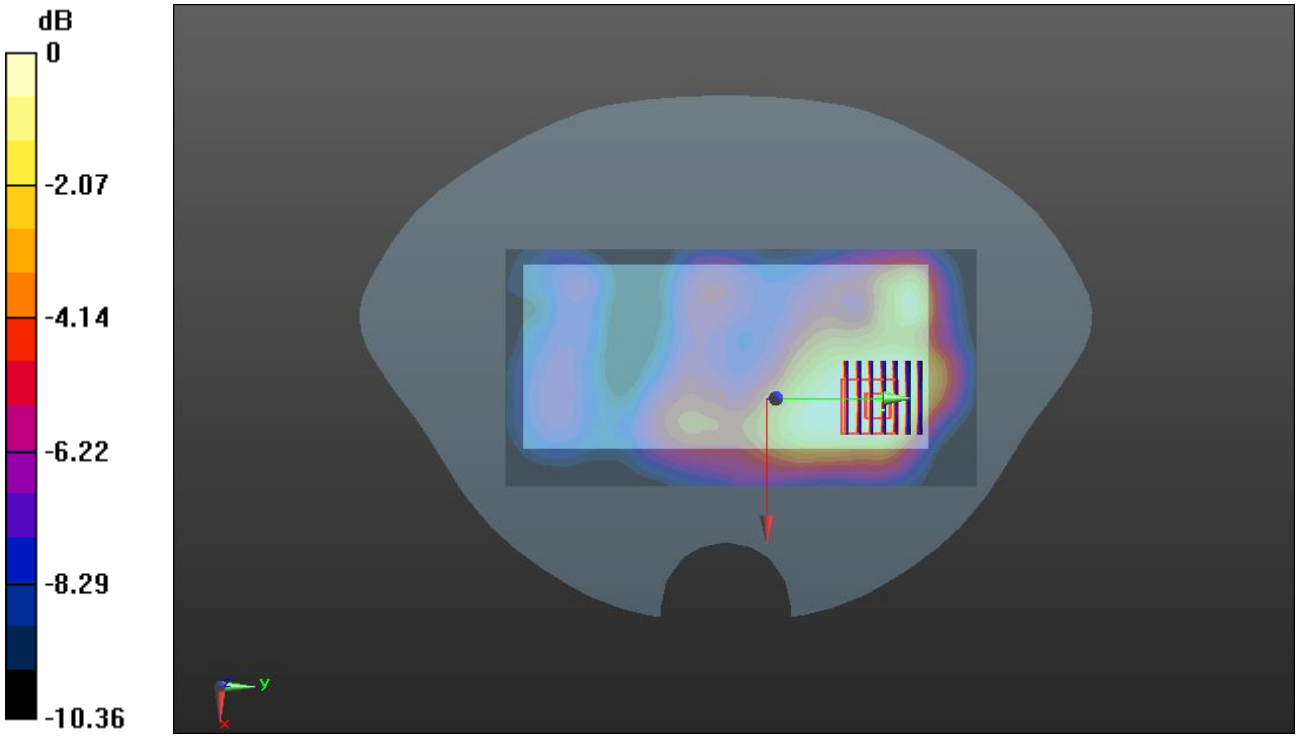
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.177 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.394 W/kg

SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.156 W/kg

Maximum value of SAR (measured) = 0.277 W/kg



0 dB = 0.277 W/kg

Meas.32 Left Head with Cheek on Middle Channel in LTE Band12 mode with Antenna 0

Date: 2023.05.24

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

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.884 S/m; ε_r = 42.311; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.6℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.120 W/kg

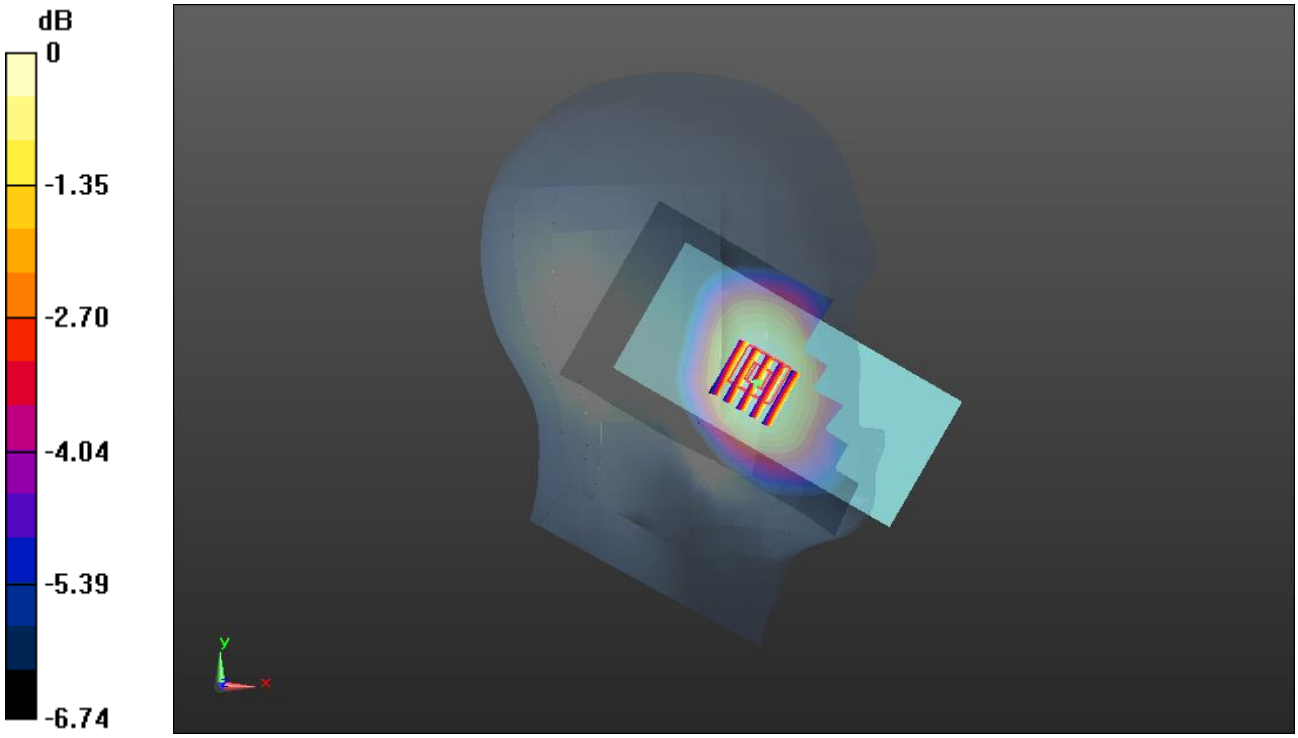
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.190 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.136 W/kg

SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.093 W/kg

Maximum value of SAR (measured) = 0.119 W/kg



0 dB = 0.119 W/kg

Meas.33 Body Plane with Back Side 15mm on Middle Channel in LTE Band12 mode with Antenna 0

Date: 2023.05.24

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

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.884 S/m; ε_r = 42.311; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.168 W/kg

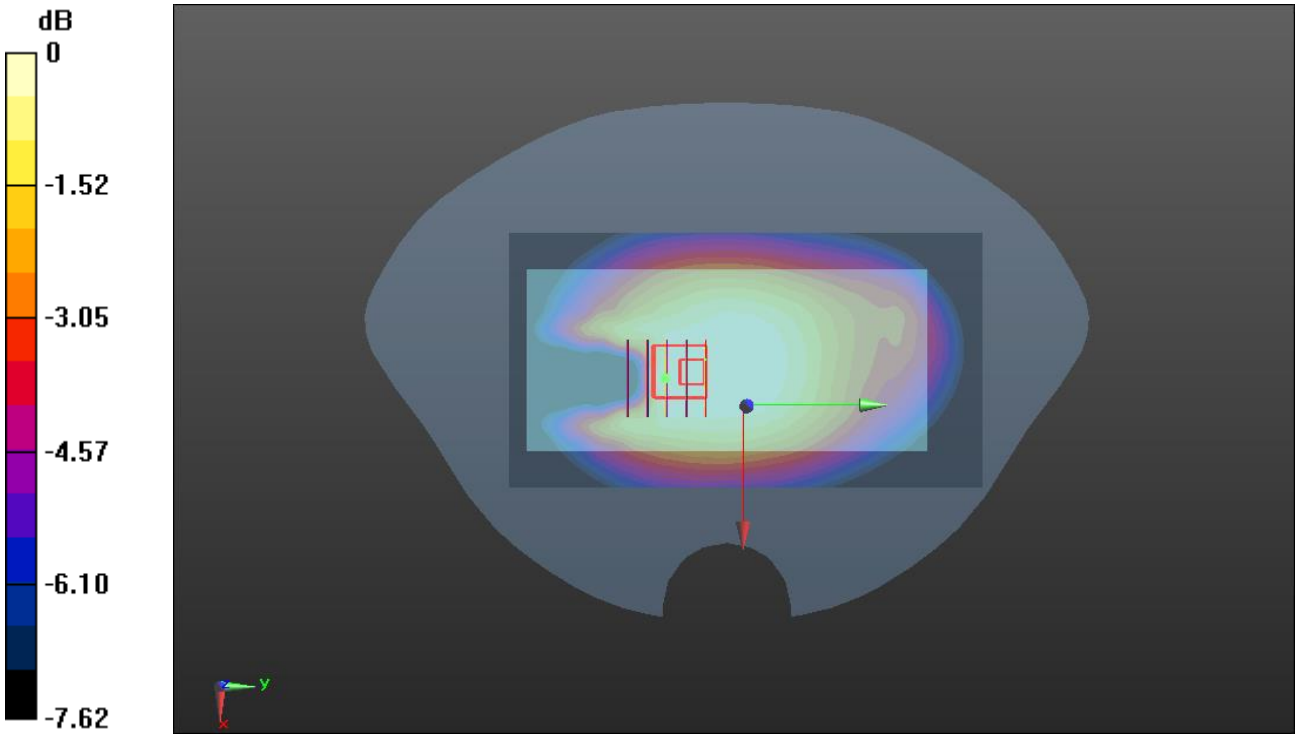
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.39 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.174 W/kg

SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.109 W/kg

Maximum value of SAR (measured) = 0.153 W/kg



0 dB = 0.153 W/kg

Meas.34 Body Plane with Back Side 10mm on Middle Channel in LTE Band12 mode with Antenna 0

Date: 2023.05.24

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

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.884 S/m; ε_r = 42.311; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.199 W/kg

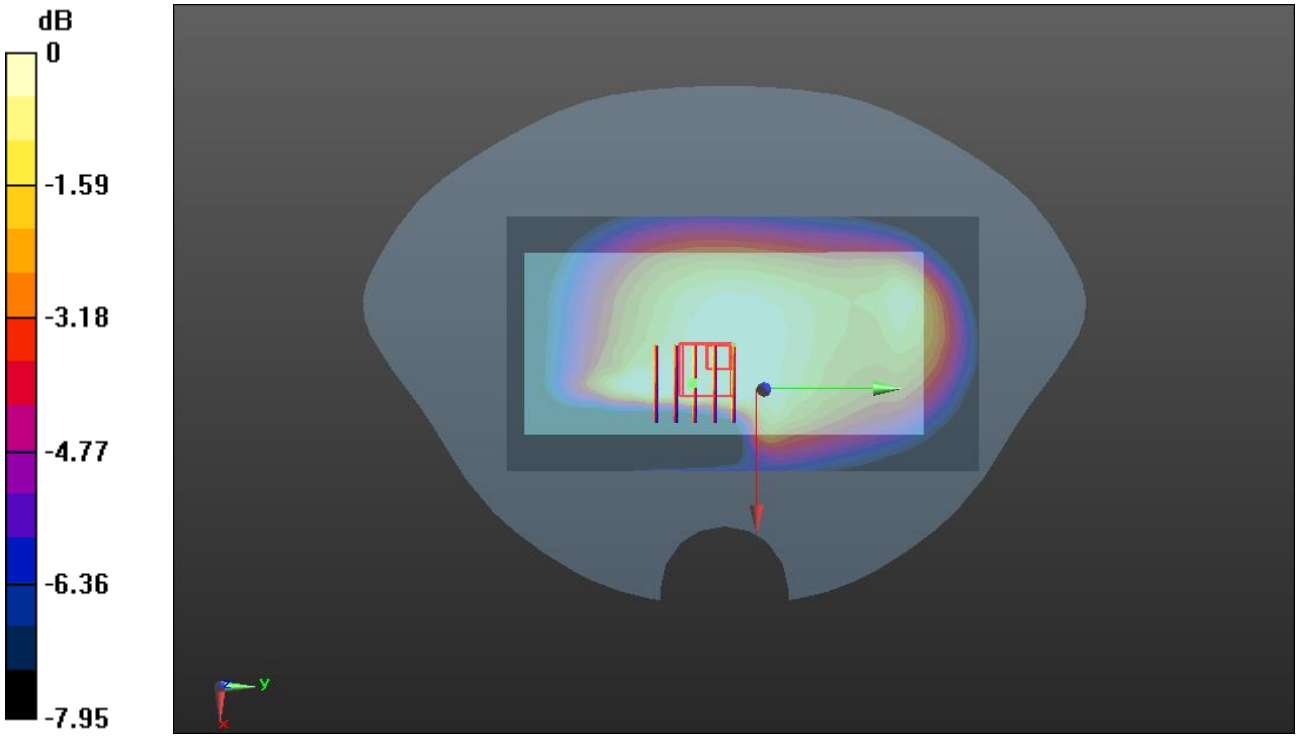
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.55 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.156 W/kg

SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.101 W/kg

Maximum value of SAR (measured) = 0.137 W/kg



0 dB = 0.137 W/kg

Meas.35 Right Head with Cheek on Middle Channel in LTE Band13 mode with Antenna 1

Date: 2023.05.25

Communication System Band: Band 13; Frequency: 782 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 782 MHz; σ = 0.911 S/m; ε_r = 41.525; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.365 W/kg

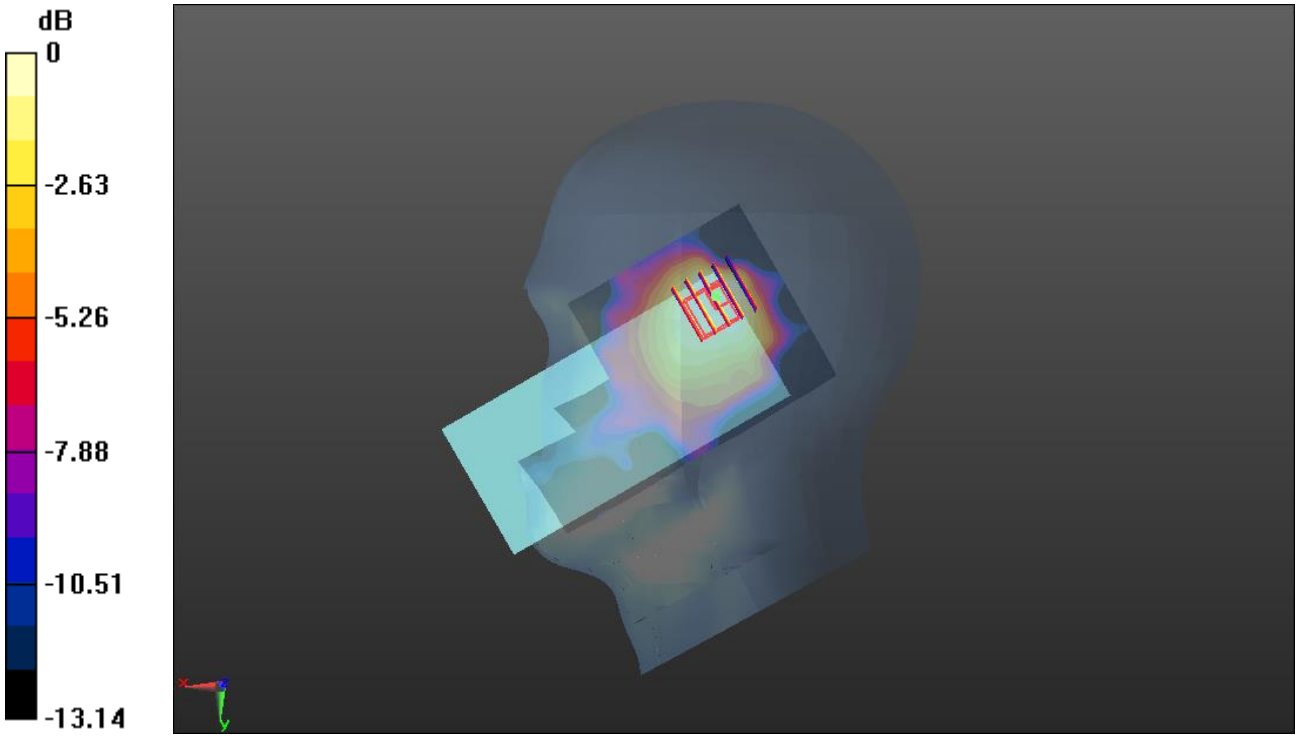
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.92 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.455 W/kg

SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.153 W/kg

Maximum value of SAR (measured) = 0.244 W/kg



0 dB = 0.244 W/kg

Meas.36 Body Plane with Back Side 15mm on Middle Channel in LTE Band13 mode with Antenna 0

Date: 2023.05.25

Communication System Band: Band 13; Frequency: 782 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 782 MHz; σ = 0.911 S/m; ε_r = 41.525; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.220 W/kg

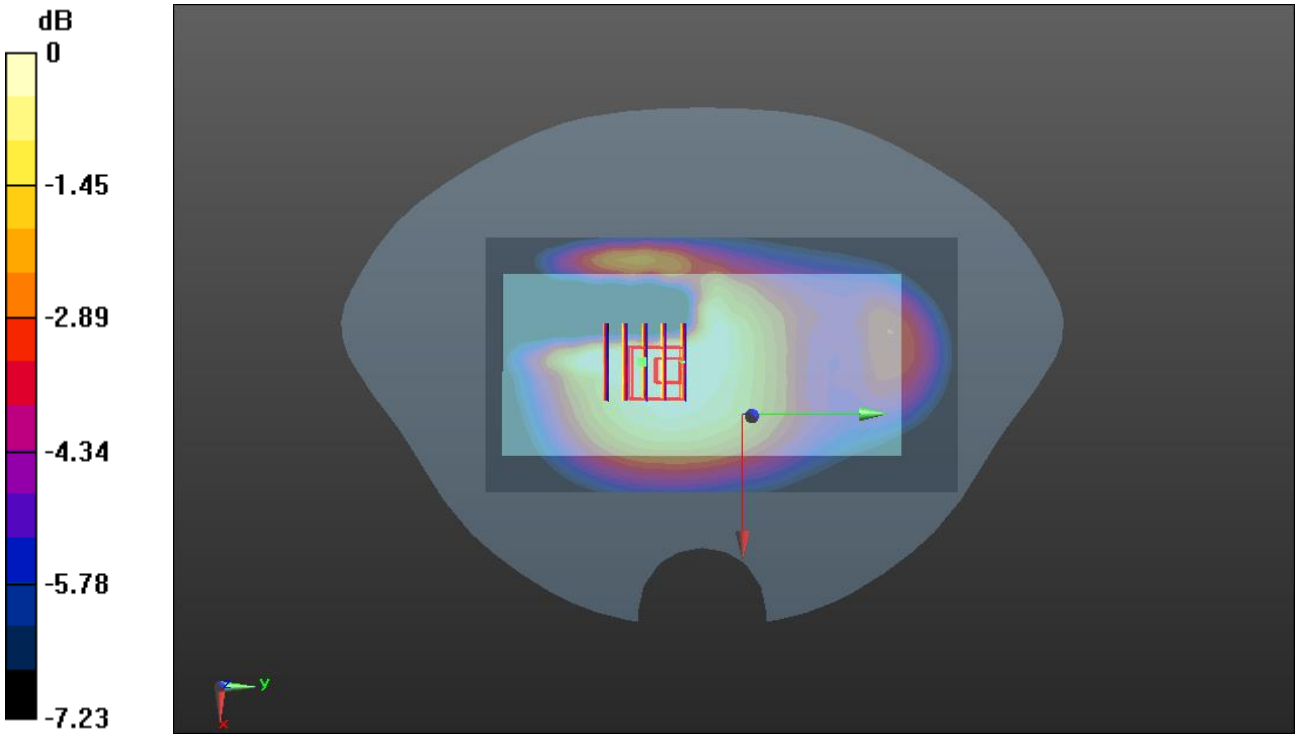
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.21 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.162 W/kg

SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.141 W/kg



0 dB = 0.141 W/kg

Meas.37 Body Plane with Back Side 10mm on Middle Channel in LTE Band13 mode with Antenna 0

Date: 2023.05.25

Communication System Band: Band 13; Frequency: 782 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 782 MHz; σ = 0.911 S/m; ε_r = 41.525; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.194 W/kg

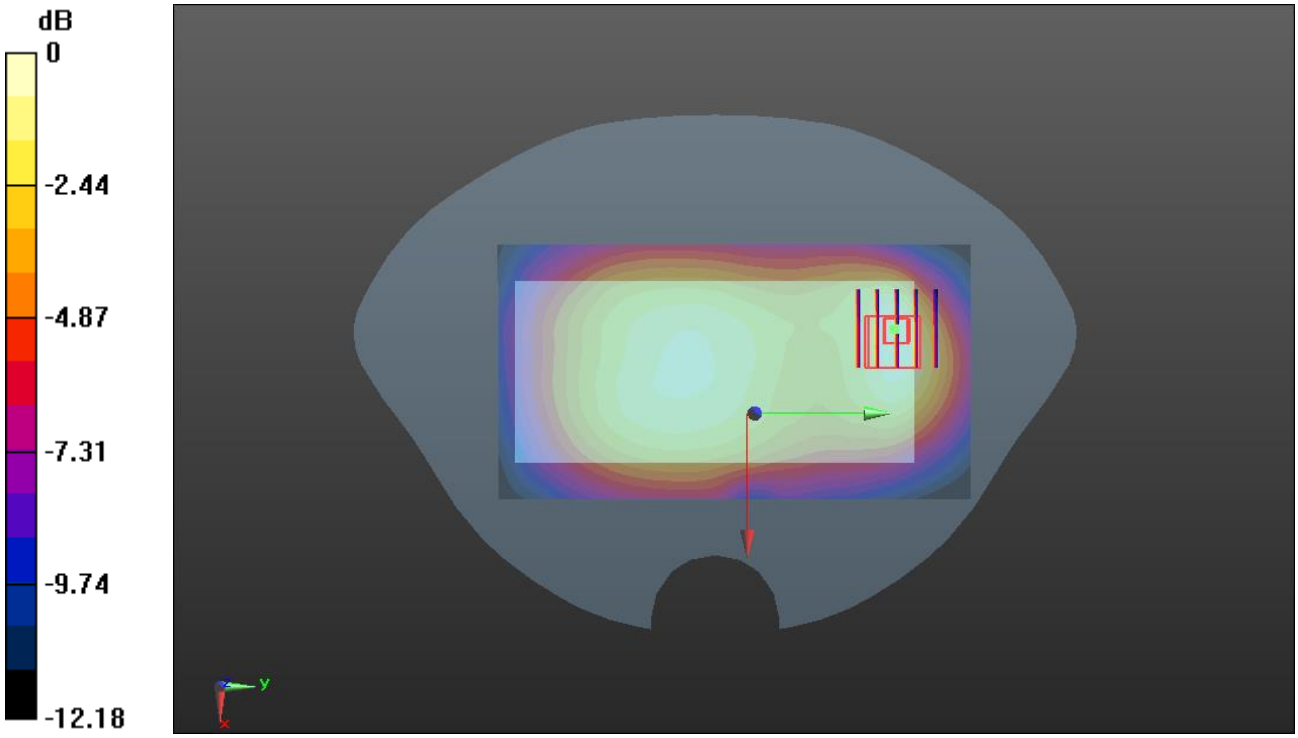
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.79 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.283 W/kg

SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.107 W/kg

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



0 dB = 0.185 W/kg

Meas.38 Left Head with Cheek on High Channel in LTE Band17 mode with Antenna 0

Date: 2023.05.26

Communication System Band: Band 17; Frequency: 711 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 711 MHz; σ = 0.886 S/m; ε_r = 42.359; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23800/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

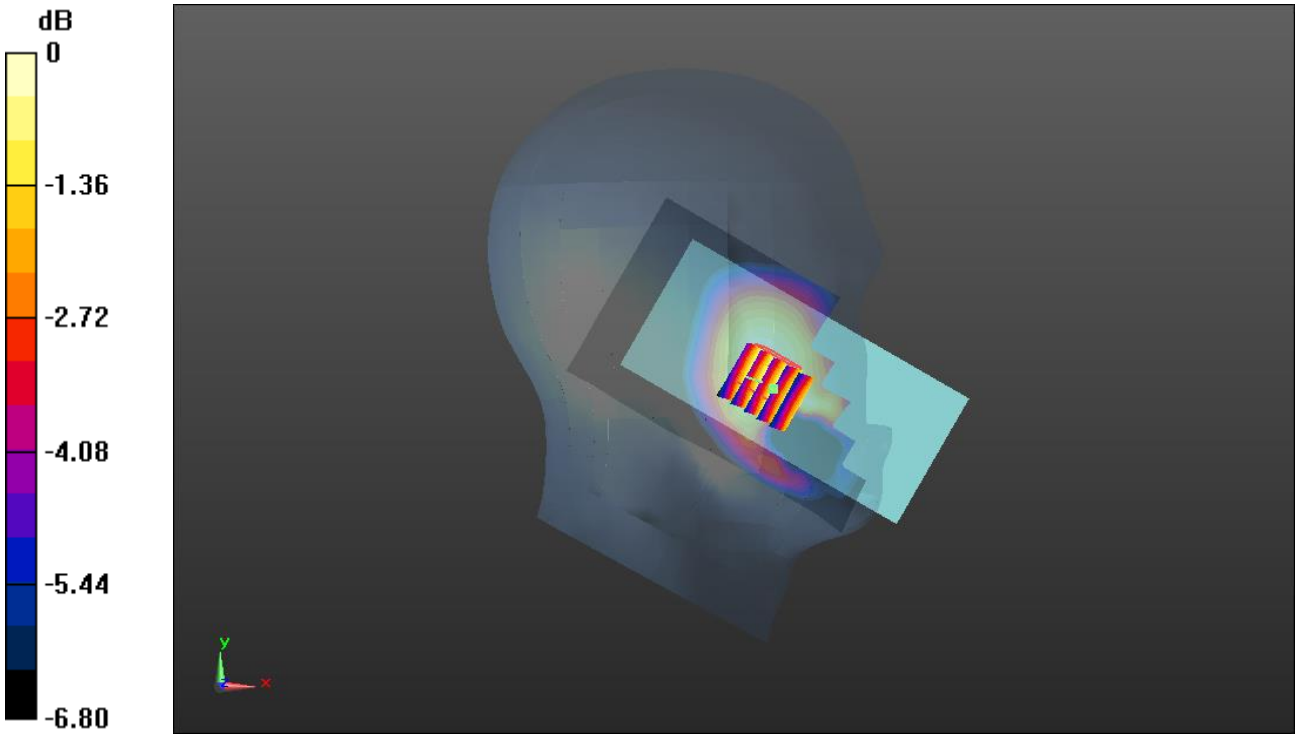
Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.015 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.137 W/kg

SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.094 W/kg

Maximum value of SAR (measured) = 0.121 W/kg



0 dB = 0.121 W/kg

Meas.39 Body Plane with Back Side 15mm on High Channel in LTE Band17 mode with Antenna 0

Date: 2023.05.26

Communication System Band: Band 17; Frequency: 711 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 711 MHz; σ = 0.886 S/m; ε_r = 42.359; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23800/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.167 W/kg

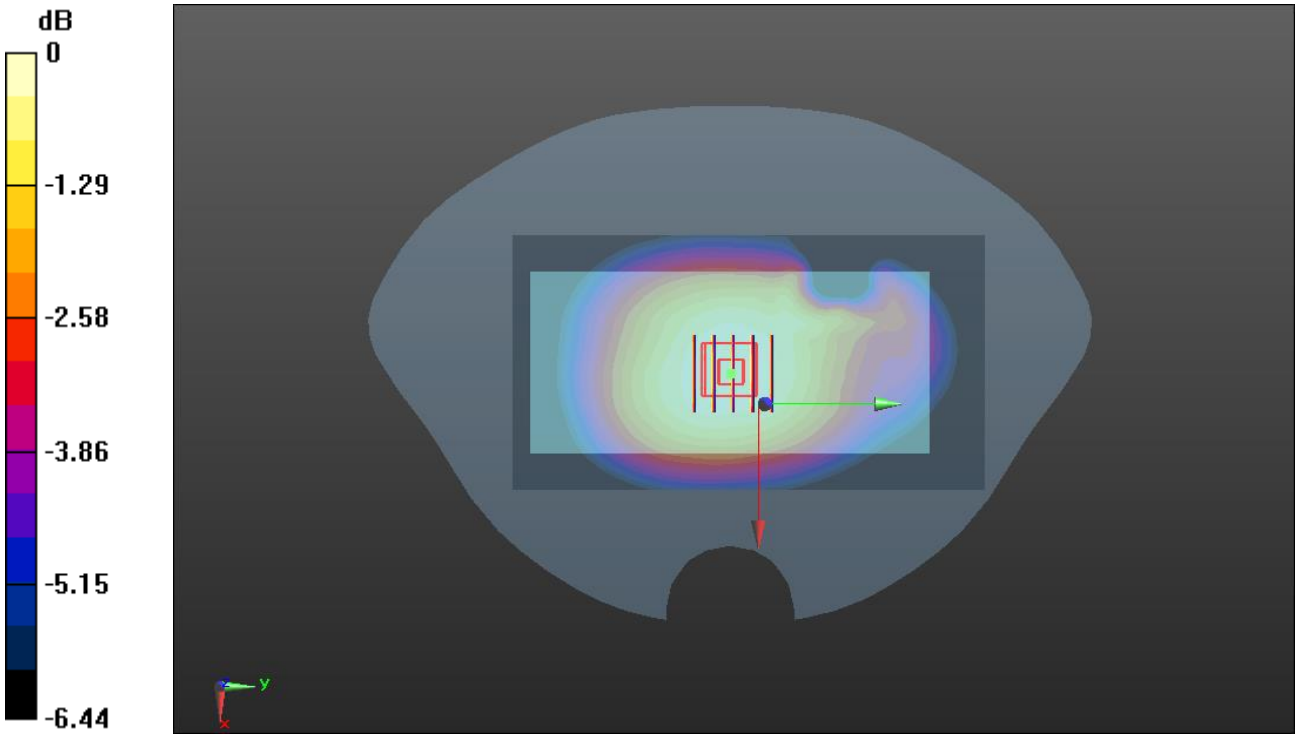
Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.43 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.185 W/kg

SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.126 W/kg

Maximum value of SAR (measured) = 0.164 W/kg



0 dB = 0.164 W/kg

Meas.40 Body Plane with Back Side 10mm on High Channel in LTE Band17 mode with Antenna 0

Date: 2023.05.26

Communication System Band: Band 17; Frequency: 711 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 711 MHz; σ = 0.886 S/m; ε_r = 42.359; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.96, 10.96, 10.96); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23800/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.141 W/kg

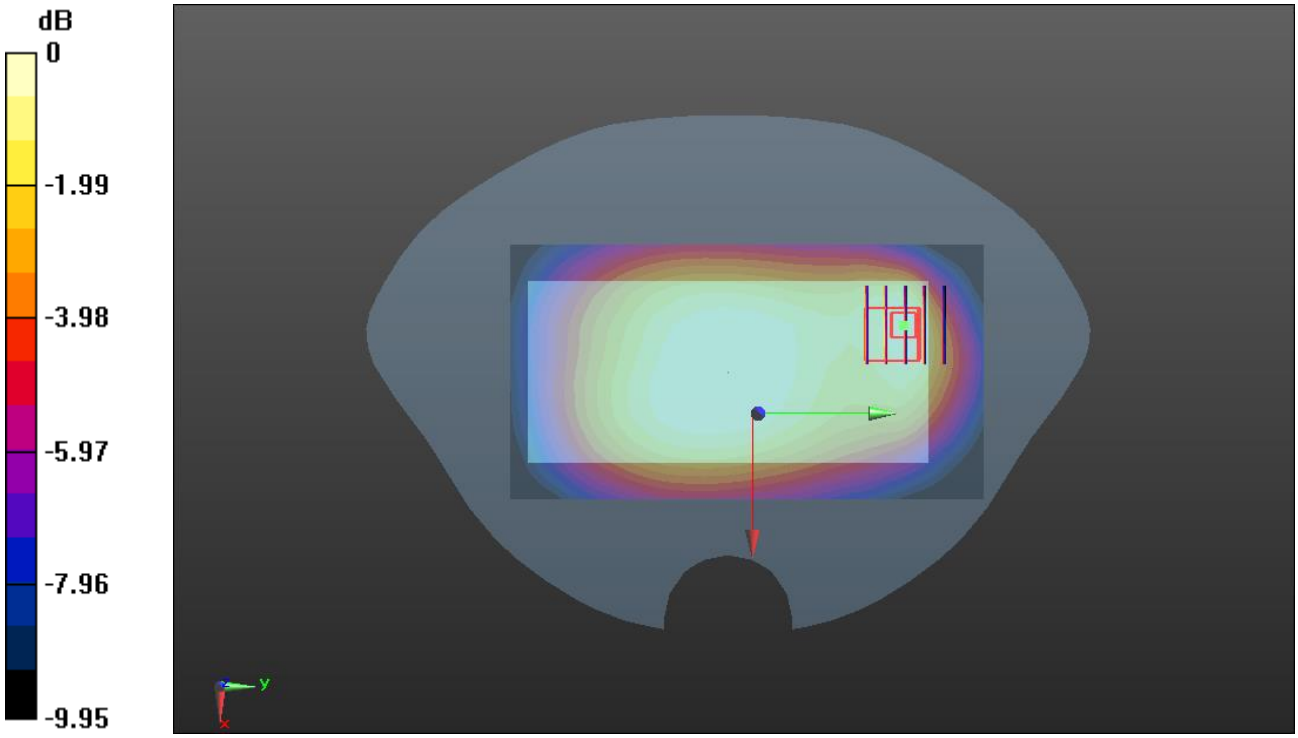
Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.40 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.205 W/kg

SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.078 W/kg

Maximum value of SAR (measured) = 0.132 W/kg



0 dB = 0.132 W/kg

Meas.41 Right Head with Cheek on High Channel in LTE Band26 mode with Antenna 1

Date: 2023.05.27

Communication System Band: Band 26; Frequency: 841.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 841.5 MHz; σ = 0.921 S/m; ε_r = 41.583; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26965/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.818 W/kg

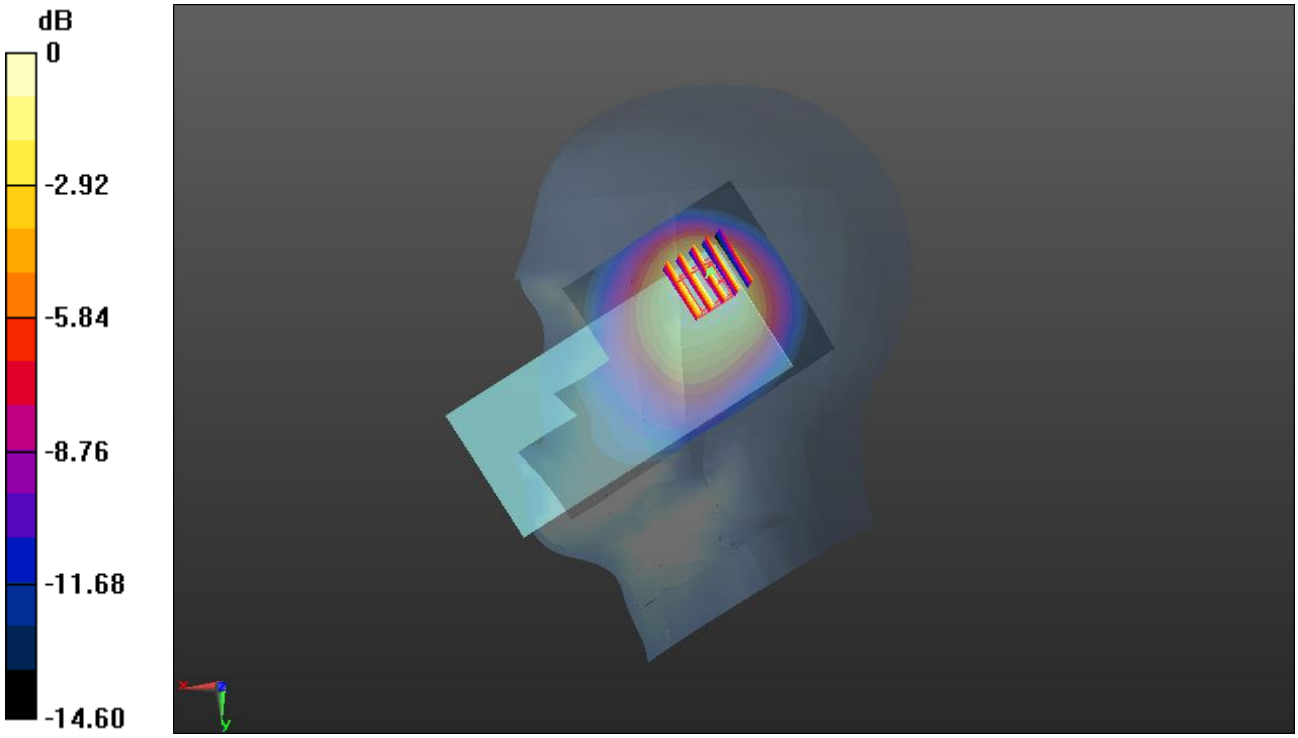
Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.92 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.599 W/kg; SAR(10 g) = 0.384 W/kg

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



0 dB = 0.617 W/kg

Meas.42 Body Plane with Back Side 15mm on High Channel in LTE Band26 mode with Antenna 0

Date: 2023.05.27

Communication System Band: Band 26; Frequency: 841.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 841.5 MHz; σ = 0.921 S/m; ε_r = 41.583; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26965/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.152 W/kg

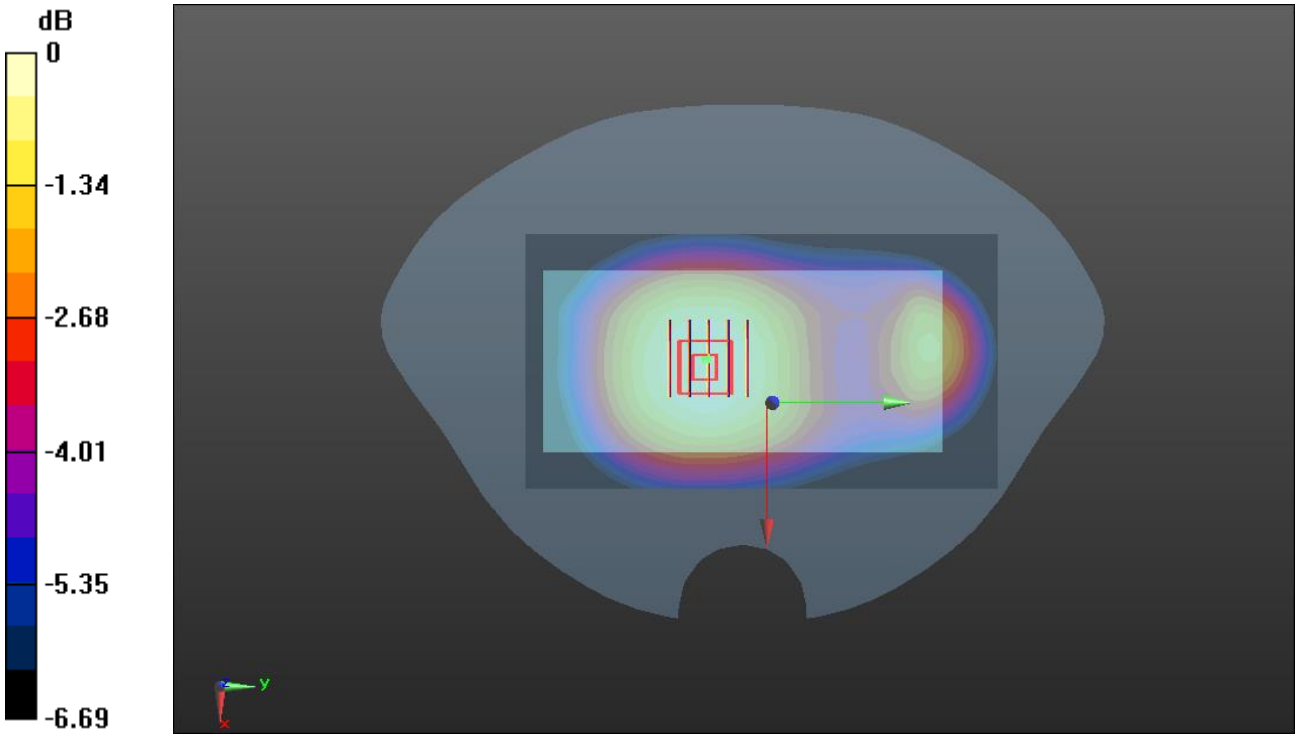
Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.28 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.171 W/kg

SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.114 W/kg

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



0 dB = 0.150 W/kg

Meas.43 Body Plane with Back Side 10mm on High Channel in LTE Band26 mode with Antenna 0

Date: 2023.05.27

Communication System Band: Band 26; Frequency: 841.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 841.5 MHz; σ = 0.921 S/m; ε_r = 41.583; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.44, 10.44, 10.44); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26965/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.186 W/kg

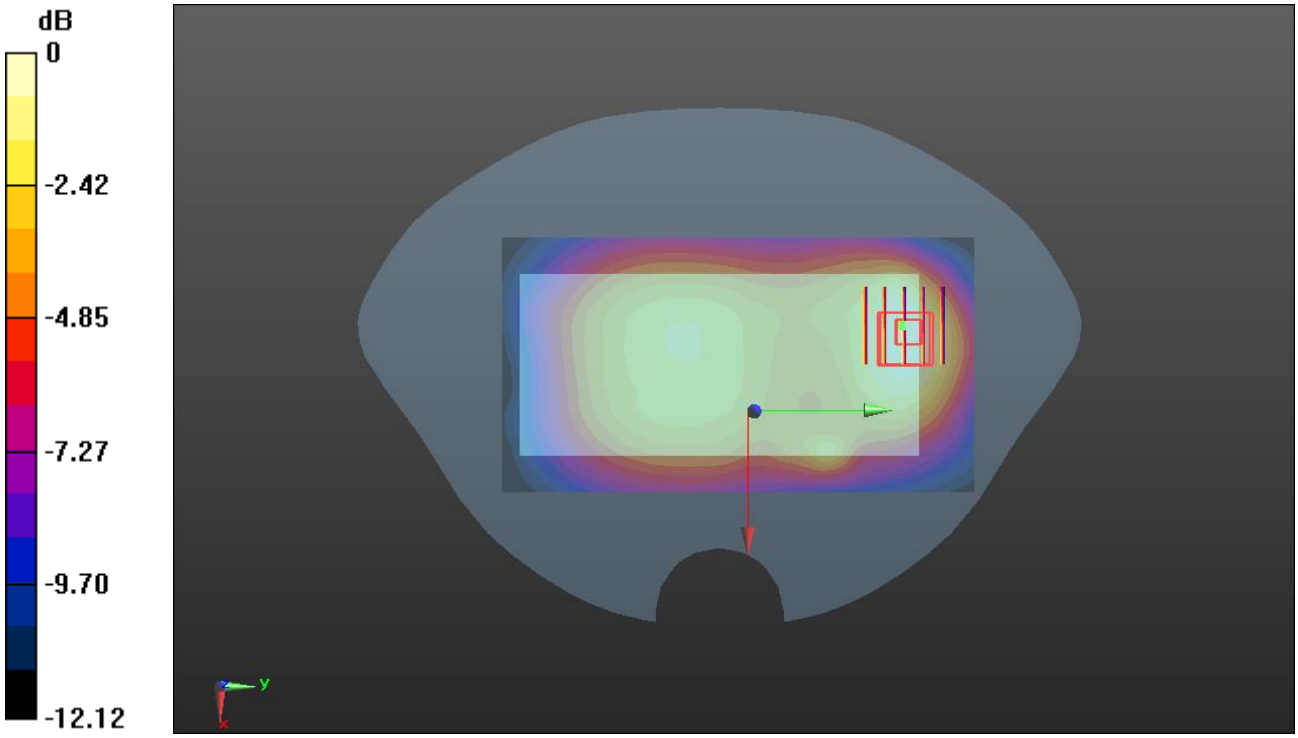
Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.16 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.273 W/kg

SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.107 W/kg

Maximum value of SAR (measured) = 0.175 W/kg



0 dB = 0.175 W/kg

Meas.44 Right Head with Tilt on Low Channel in LTE Band66 mode with Antenna 1

Date: 2023.05.28

Communication System Band: Band 66; Frequency: 1720 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1720 MHz; σ = 1.352 S/m; ε_r = 40.427; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132072/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.818 W/kg

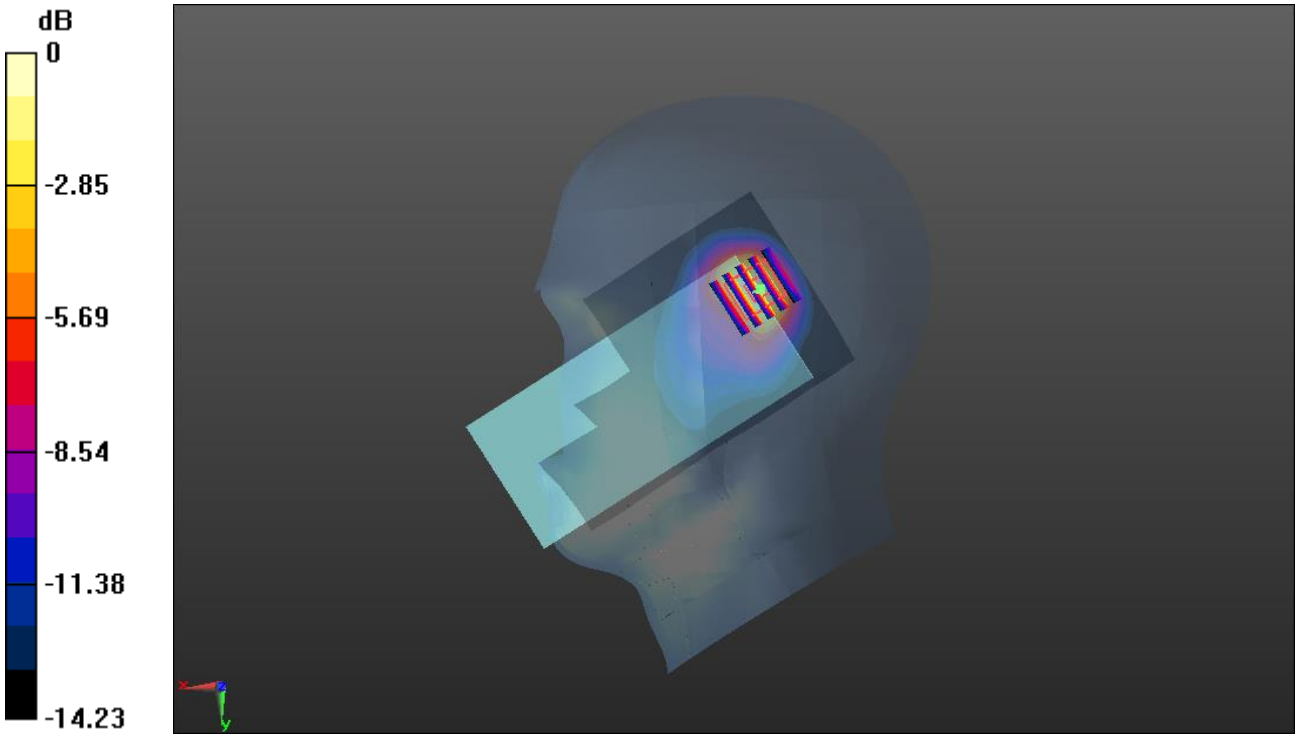
Ch132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.32 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.382 W/kg

Maximum value of SAR (measured) = 0.906 W/kg



0 dB = 0.906 W/kg

Meas.45 Body Plane with Back Side 15mm on Middle Channel in LTE Band66 mode with Antenna 1

Date: 2023.05.28

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.37 S/m; ε_r = 40.113; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.211 W/kg

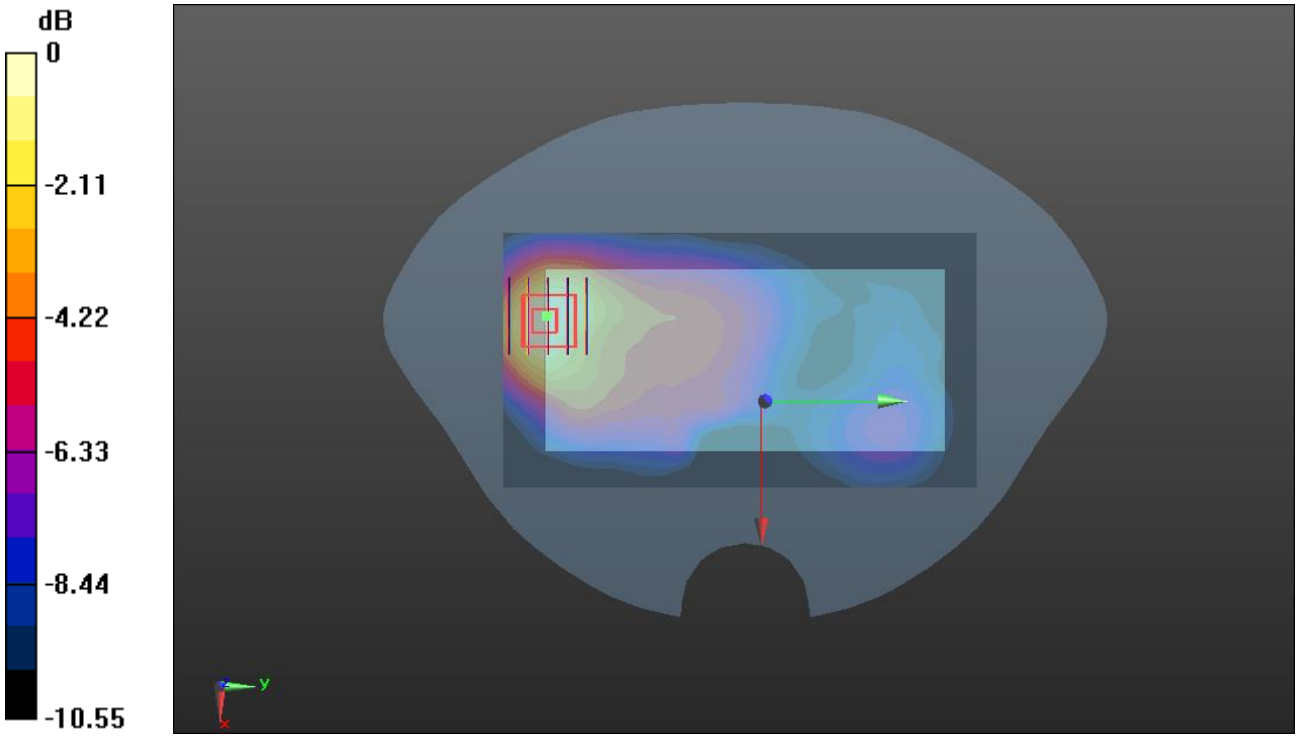
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.782 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.286 W/kg

SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.117 W/kg

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



0 dB = 0.204 W/kg

Meas.46 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band66 mode with Antenna 0

Date: 2023.05.28

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.37 S/m; ε_r = 40.113; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.69, 8.69, 8.69); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132322/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.344 W/kg

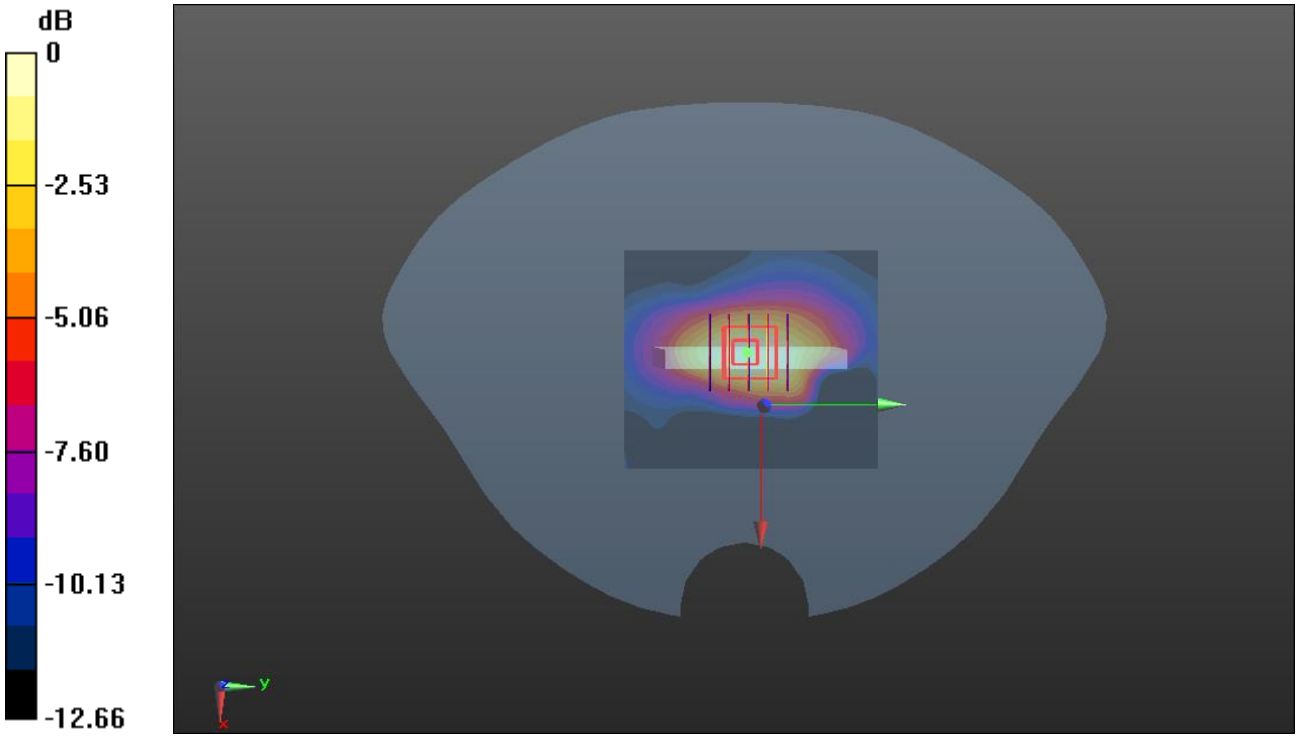
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.36 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.461 W/kg

SAR(1 g) = 0.294 W/kg; SAR(10 g) = 0.173 W/kg

Maximum value of SAR (measured) = 0.327 W/kg



0 dB = 0.327 W/kg

Meas.47 Right Head with Cheek on Middle Channel in LTE Band38 mode with Antenna 1

Date: 2023.05.29

Communication System Band: Band 38; Frequency: 2595 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.977 S/m; ε_r = 38.53; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.8℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.701 W/kg

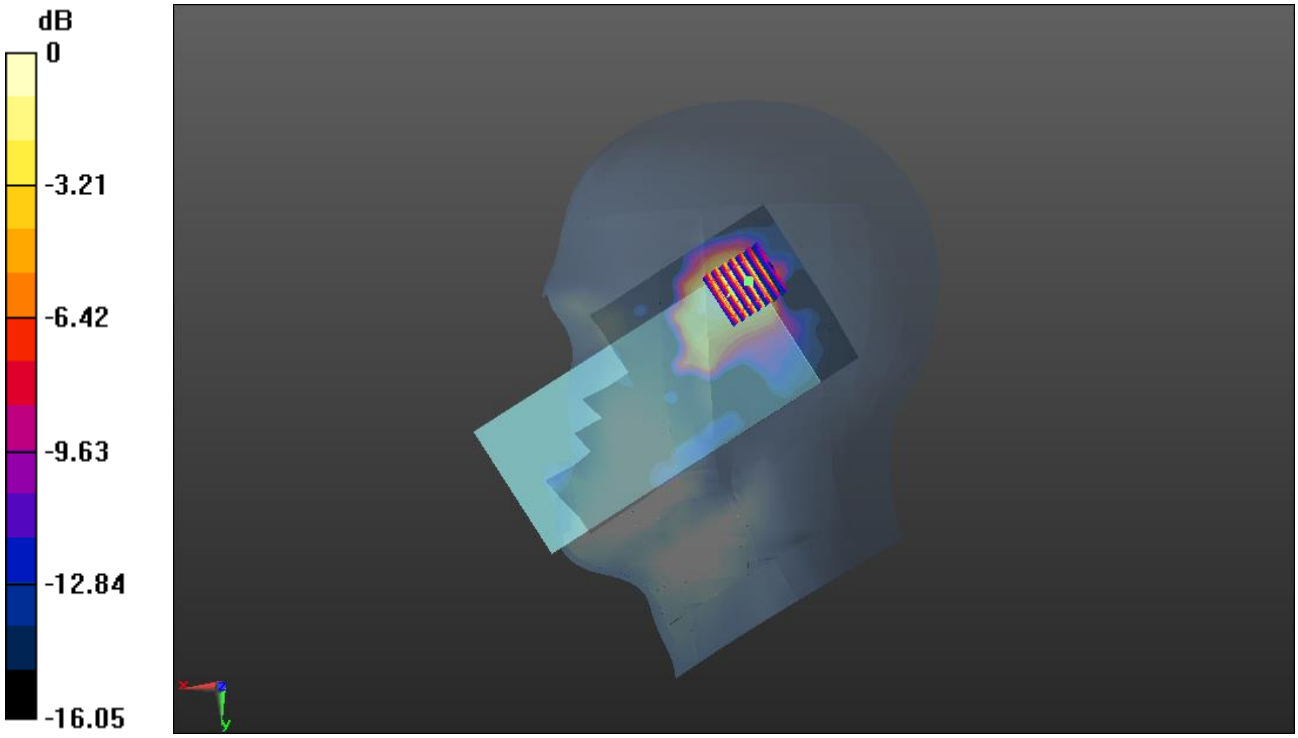
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.192 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.948 W/kg

SAR(1 g) = 0.490 W/kg; SAR(10 g) = 0.259 W/kg

Maximum value of SAR (measured) = 0.552 W/kg



0 dB = 0.552 W/kg

Meas.48 Body Plane with Back Side 15mm on High Channel in LTE Band38 mode with Antenna 0

Date: 2023.05.29

Communication System Band: Band 38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2610 MHz; σ = 1.999 S/m; ε_r = 38.398; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.227 W/kg

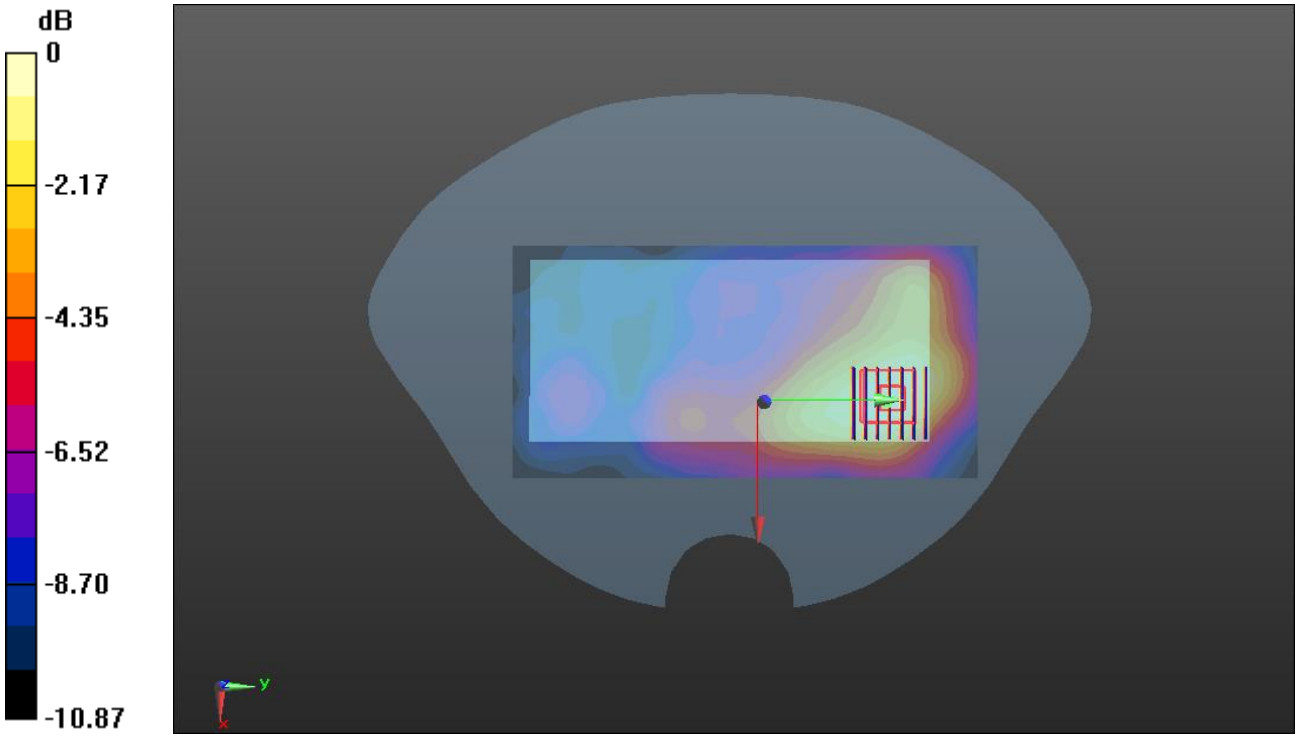
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.543 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.343 W/kg

SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.130 W/kg

Maximum value of SAR (measured) = 0.229 W/kg



0 dB = 0.229 W/kg

Meas.49 Body Plane with Back Side 10mm on High Channel in LTE Band38 mode with Antenna 0

Date: 2023.05.29

Communication System Band: Band 38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2610 MHz; σ = 1.999 S/m; ε_r = 38.398; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.346 W/kg

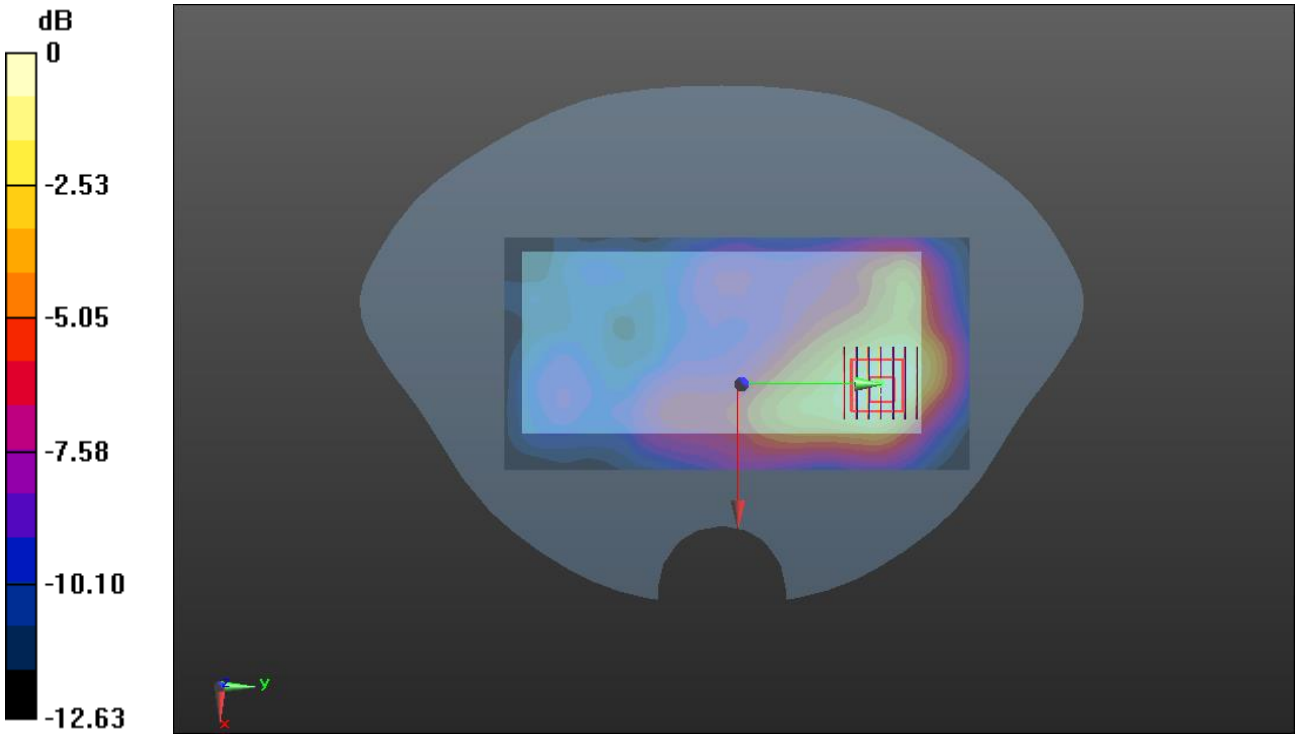
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.012 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.521 W/kg

SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.186 W/kg

Maximum value of SAR (measured) = 0.347 W/kg



0 dB = 0.347 W/kg

Meas.50 Right Head with Cheek on Middle Channel in LTE Band41 mode with Antenna 1

Date: 2023.05.30

Communication System Band: Band 41; Frequency: 2607.5 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2607.5 MHz; σ = 1.985 S/m; ε_r = 38.452; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.9℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40765/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.808 W/kg

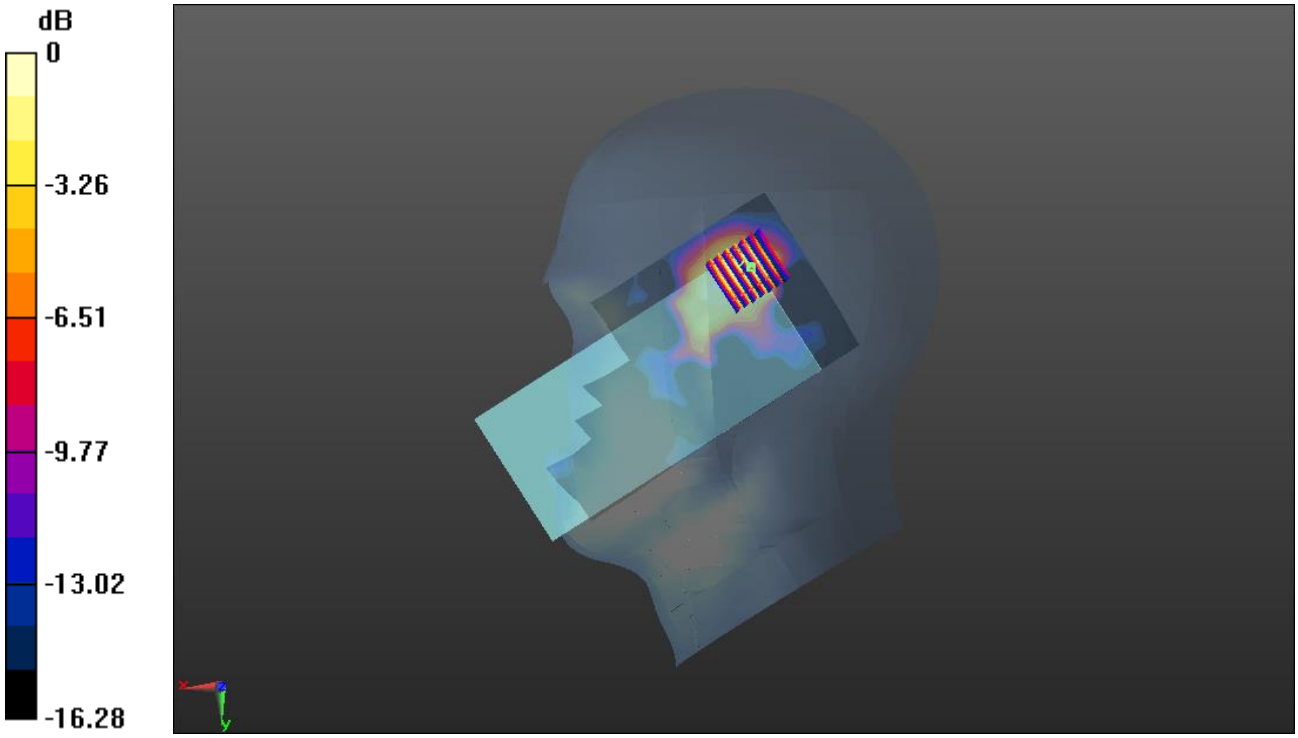
Ch40765/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.865 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.556 W/kg; SAR(10 g) = 0.287 W/kg

Maximum value of SAR (measured) = 0.635 W/kg



0 dB = 0.635 W/kg

Meas.51 Body Plane with Back Side 15mm on Middle Channel in LTE Band41 mode with Antenna 1

Date: 2023.05.30

Communication System Band: Band 41; Frequency: 2607.5 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2607.5 MHz; σ = 1.985 S/m; ε_r = 38.452; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40765/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

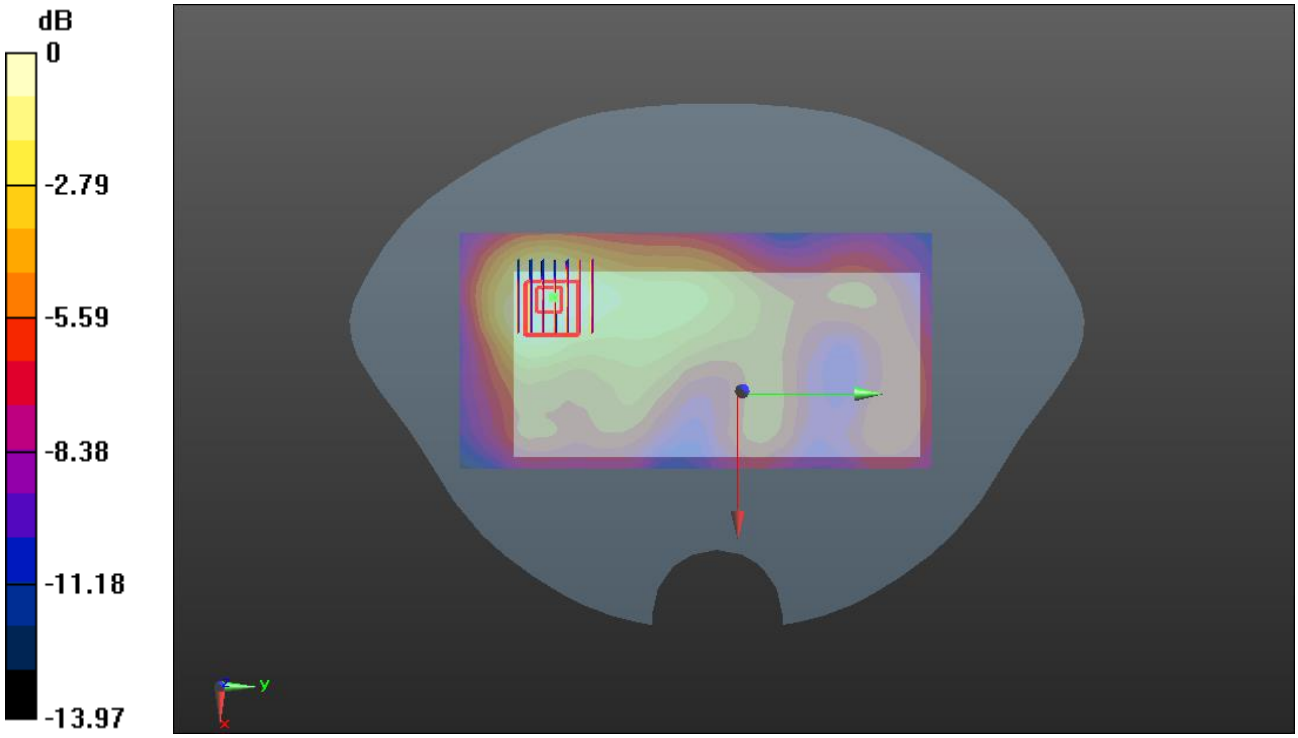
Ch40765/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.428 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.617 W/kg

SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.249 W/kg



0 dB = 0.249 W/kg

Meas.52 Body Plane with Back Side 10mm on Middle Channel in LTE Band41 mode with Antenna 0

Date: 2023.05.30

Communication System Band: Band 41; Frequency: 2607.5 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2607.5 MHz; σ = 1.985 S/m; ε_r = 38.452; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.56, 7.56, 7.56); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40765/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.350 W/kg

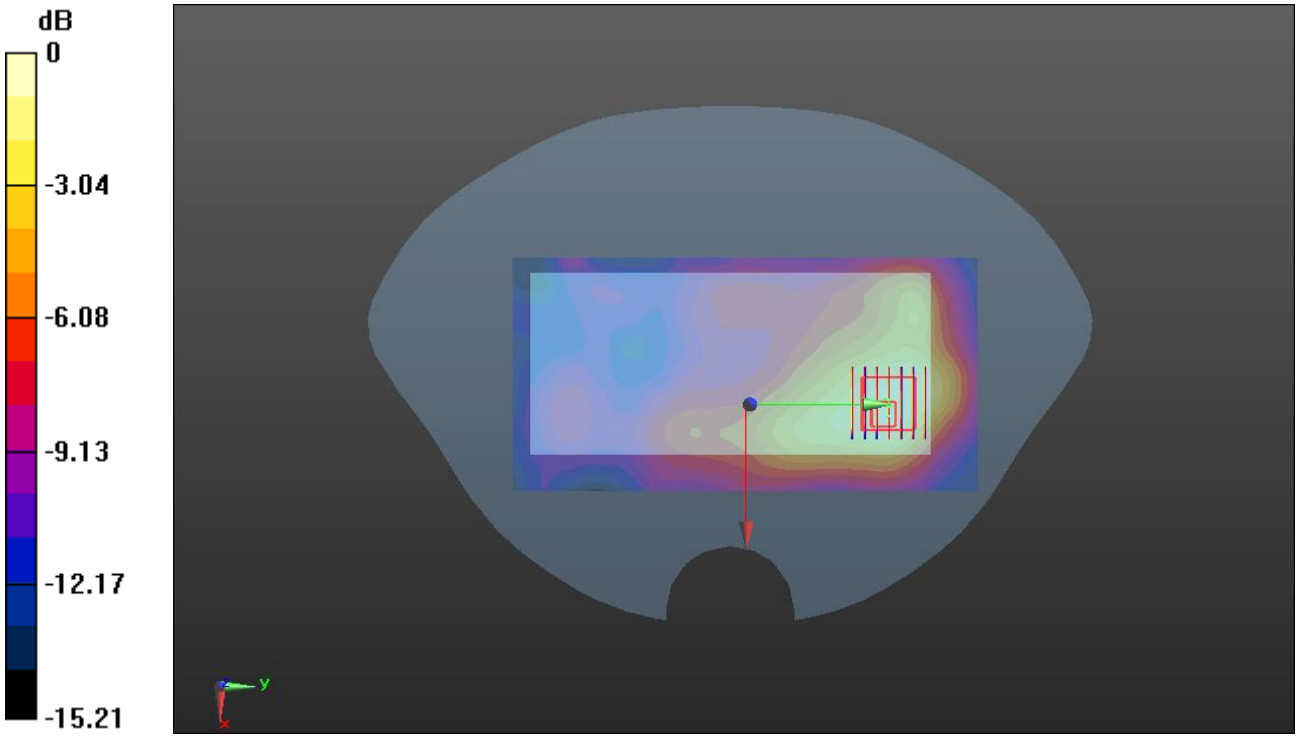
Ch40765/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.638 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.672 W/kg

SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.191 W/kg

Maximum value of SAR (measured) = 0.352 W/kg



0 dB = 0.352 W/kg

Meas.53 Left Head with Cheek on 5 Channel in IEEE802.11b mode with Antenna 2

Date: 2023.06.05

Communication System Band: 2.4G; Frequency: 2432 MHz;Duty Cycle: 1:1.032

Medium parameters used (interpolated): f = 2432 MHz; σ = 1.772 S/m; ε_r = 39.785; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.79, 7.79, 7.79); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch5/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.22 W/kg

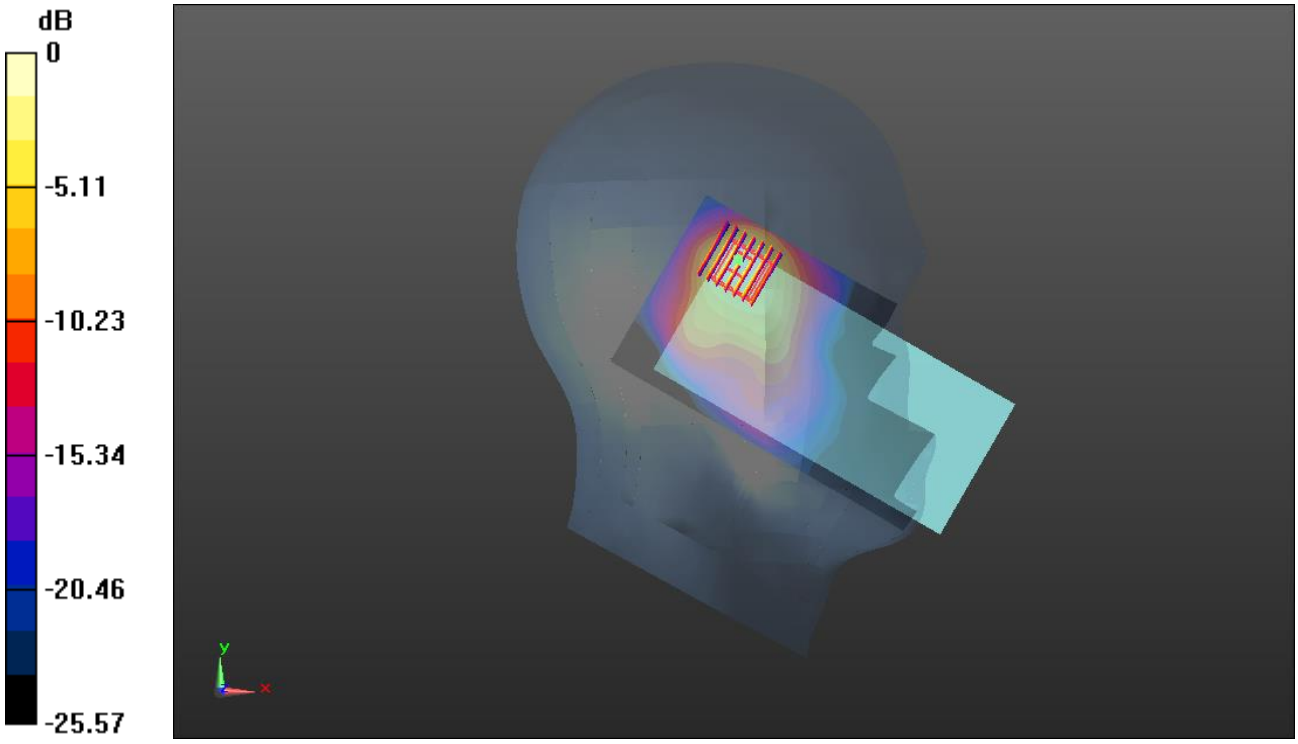
Ch5/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.357 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.777 W/kg; SAR(10 g) = 0.371 W/kg

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



0 dB = 1.18 W/kg

Meas.54 Body Plane with Back Side 15mm on 6 Channel in IEEE802.11b mode with Antenna 2

Date: 2023.06.05

Communication System Band: 2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1.032

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.777 S/m; ε_r = 39.779; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.79, 7.79, 7.79); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.226 W/kg

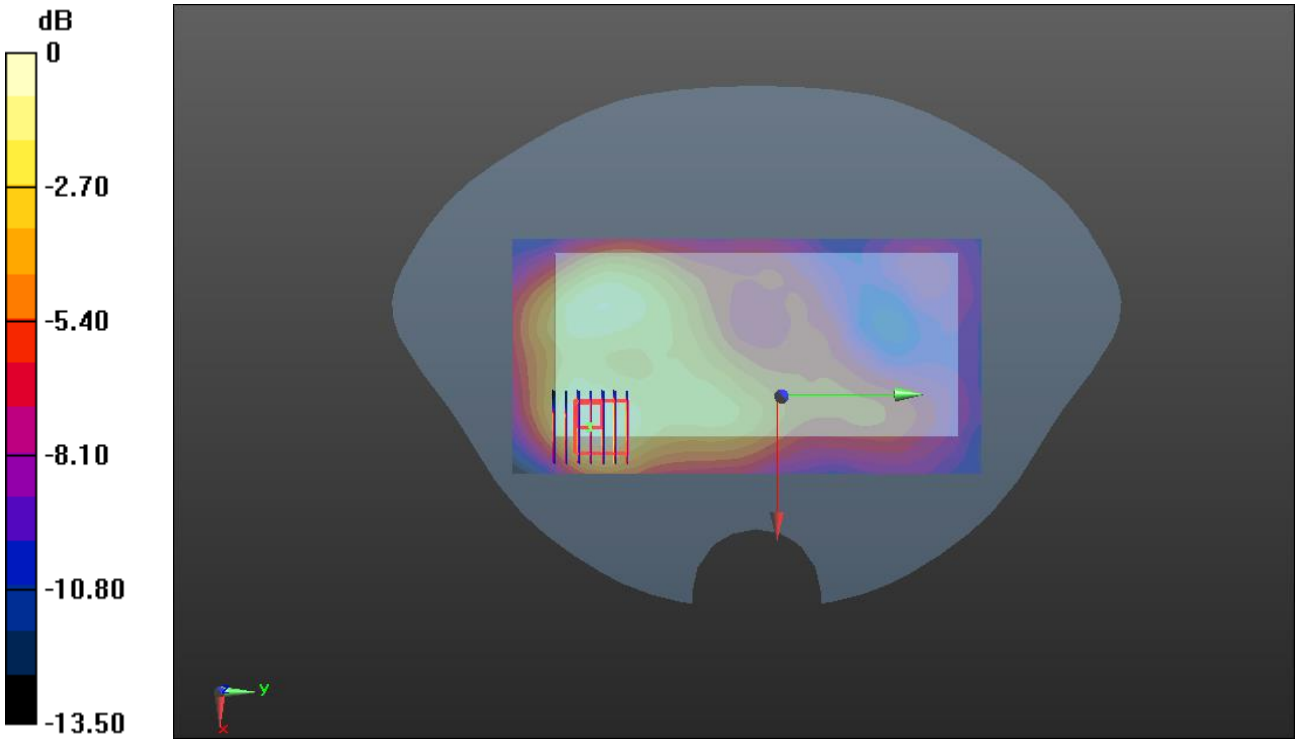
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.996 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.577 W/kg

SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.116 W/kg

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



0 dB = 0.218 W/kg

Meas.55 Body Plane with Back Side 10mm on 6 Channel in IEEE802.11b mode with Antenna 2

Date: 2023.06.05

Communication System Band: 2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1.032

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.777 S/m; ε_r = 39.779; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.79, 7.79, 7.79); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.416 W/kg

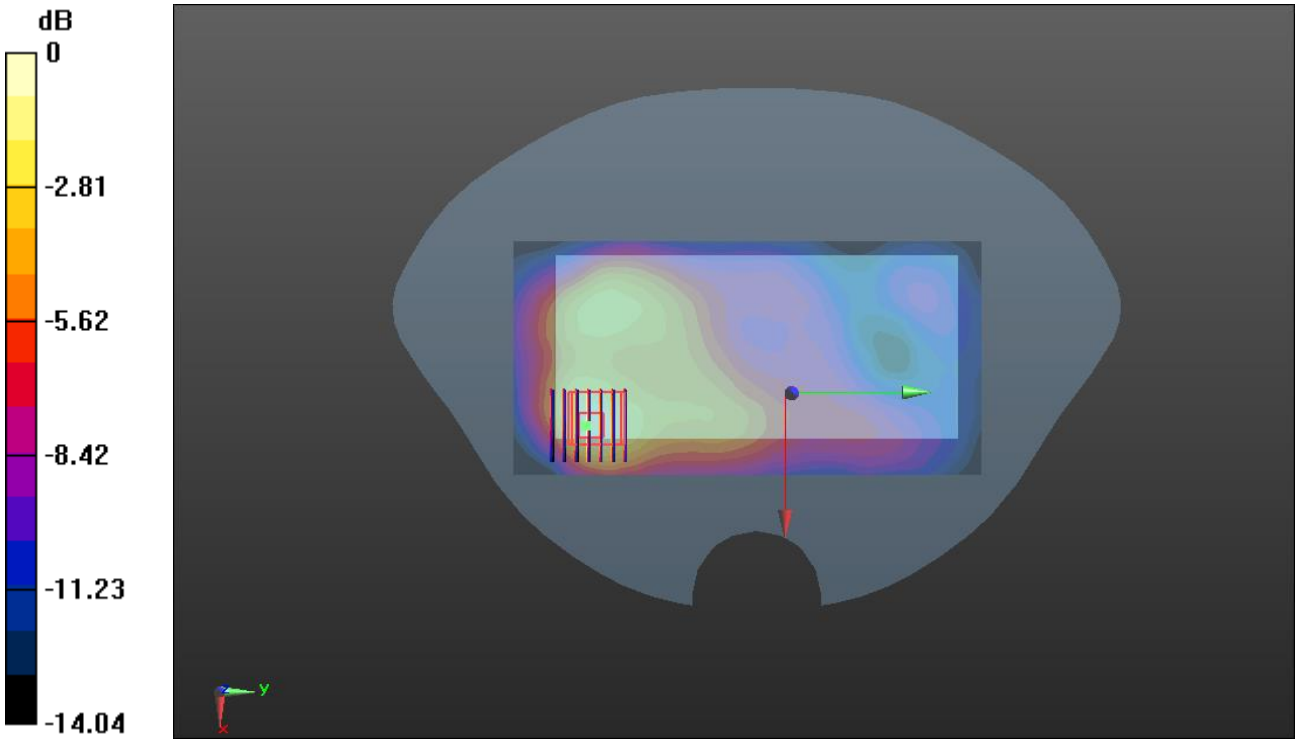
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.630 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.750 W/kg

SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.196 W/kg

Maximum value of SAR (measured) = 0.420 W/kg



0 dB = 0.420 W/kg

Meas.56 Left Head with Cheek on 54 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2023.06.01

Communication System Band: 5.3G; Frequency: 5270 MHz;Duty Cycle: 1:1.137

Medium parameters used (interpolated): f = 5270 MHz; σ = 4.787 S/m; ε_r = 35.257; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.3℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.45, 5.45, 5.45); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch54/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.903 W/kg

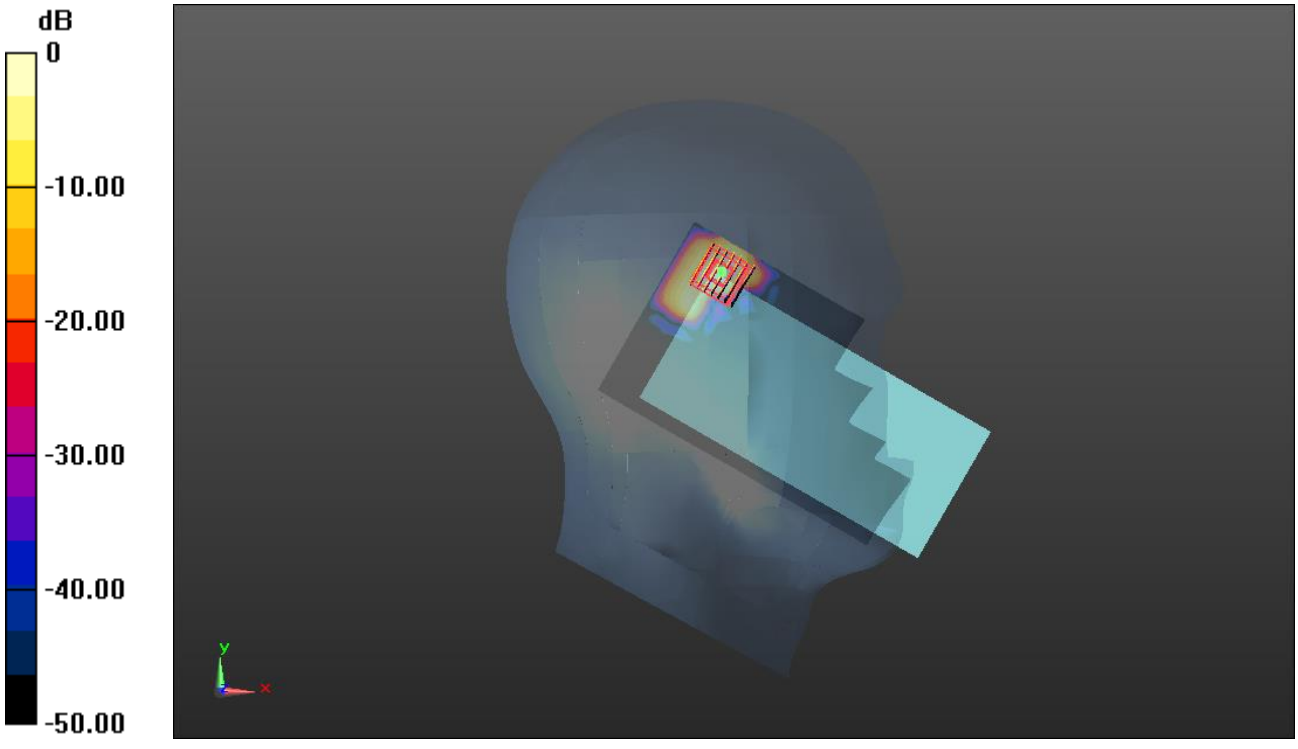
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.096 W/kg

Maximum value of SAR (measured) = 0.894 W/kg



0 dB = 0.894 W/kg

Meas.57 Left Head with Cheek on 122 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2023.06.02

Communication System Band: 5.6G; Frequency: 5610 MHz;Duty Cycle: 1:1.137

Medium parameters used (interpolated): f = 5610 MHz; σ = 5.072 S/m; ε_r = 34.969; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.3℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.9, 4.9, 4.9); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.723 W/kg

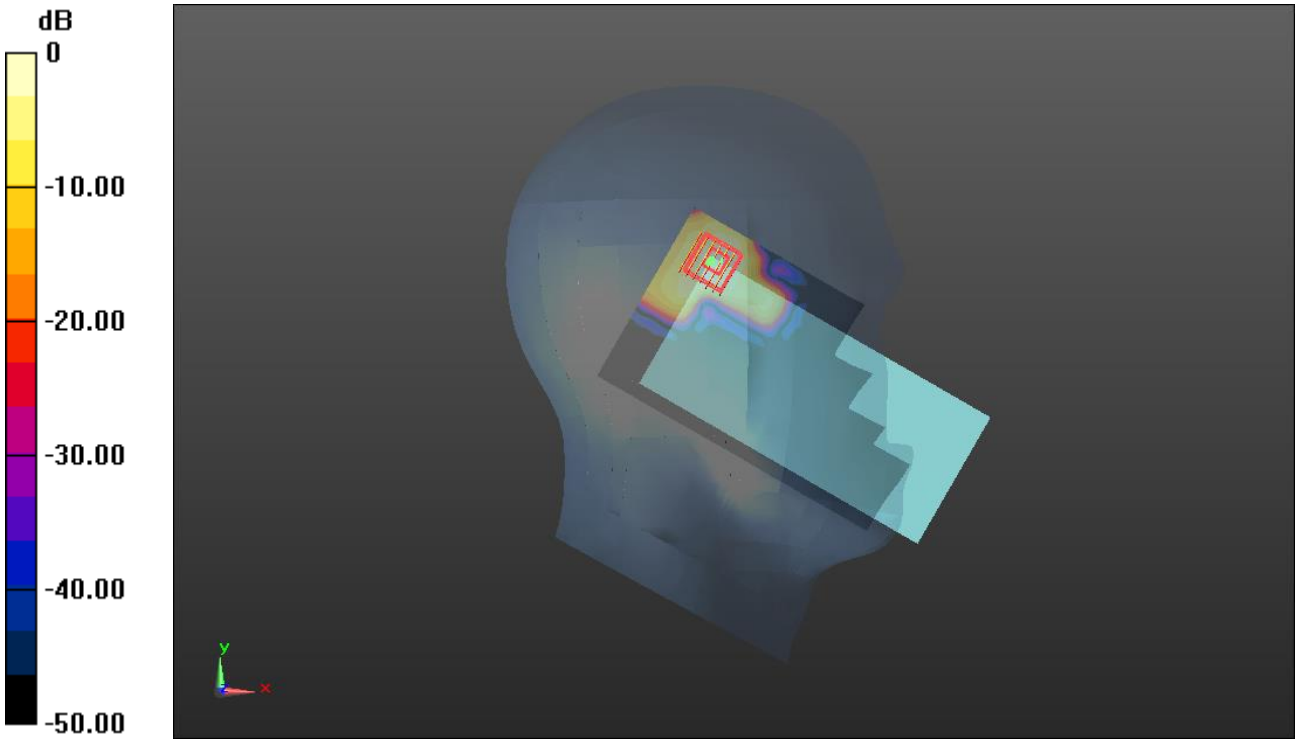
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.5220 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 0.410 W/kg; SAR(10 g) = 0.125 W/kg

Maximum value of SAR (measured) = 0.847 W/kg



0 dB = 0.847 W/kg

Meas.58 Left Head with Cheek on 155 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2023.06.03

Communication System Band: 5.8G; Frequency: 5775 MHz;Duty Cycle: 1:1.137

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.218 S/m; ε_r = 35.305; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5, 5, 5); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.853 W/kg

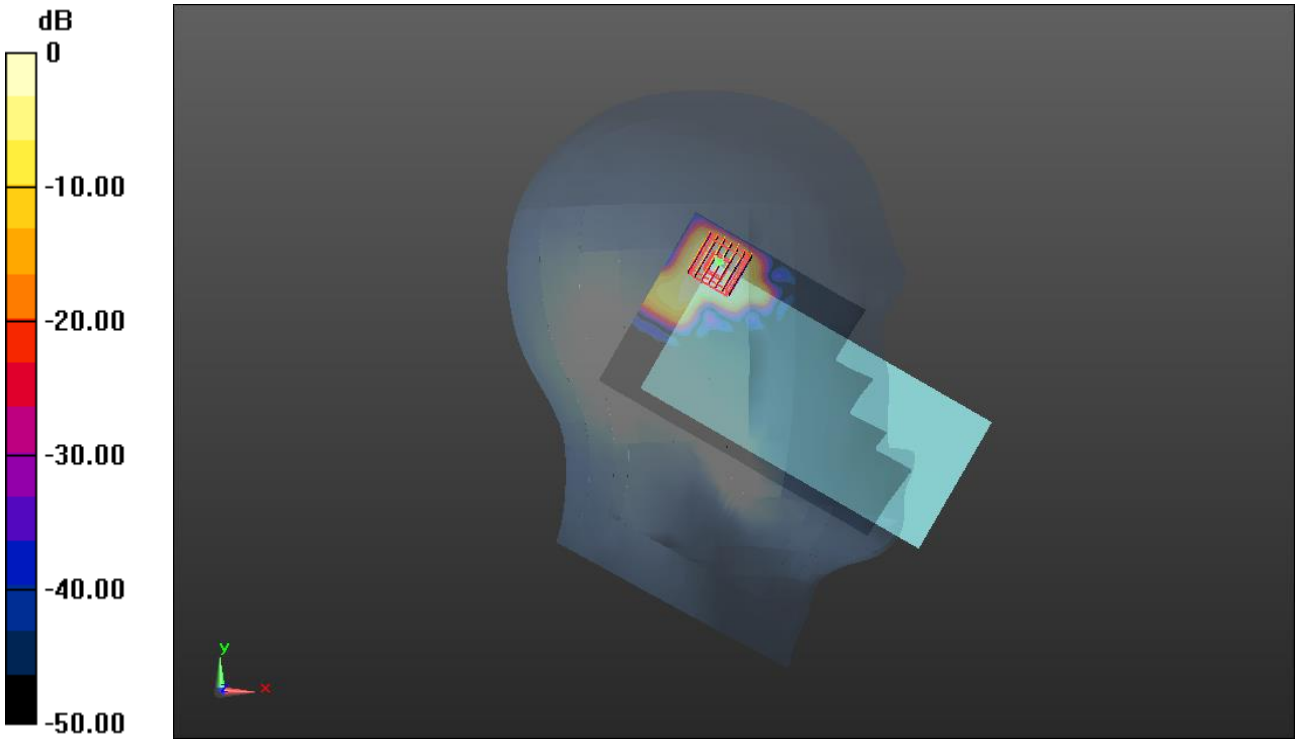
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

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

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 0.815 W/kg



0 dB = 0.815 W/kg

Meas.59 Body Plane with Back Side 15mm on 54 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2023.06.01

Communication System Band: 5.3G; Frequency: 5270 MHz;Duty Cycle: 1:1.137

Medium parameters used (interpolated): f = 5270 MHz; σ = 4.787 S/m; ε_r = 35.257; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.45, 5.45, 5.45); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch54/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.484 W/kg

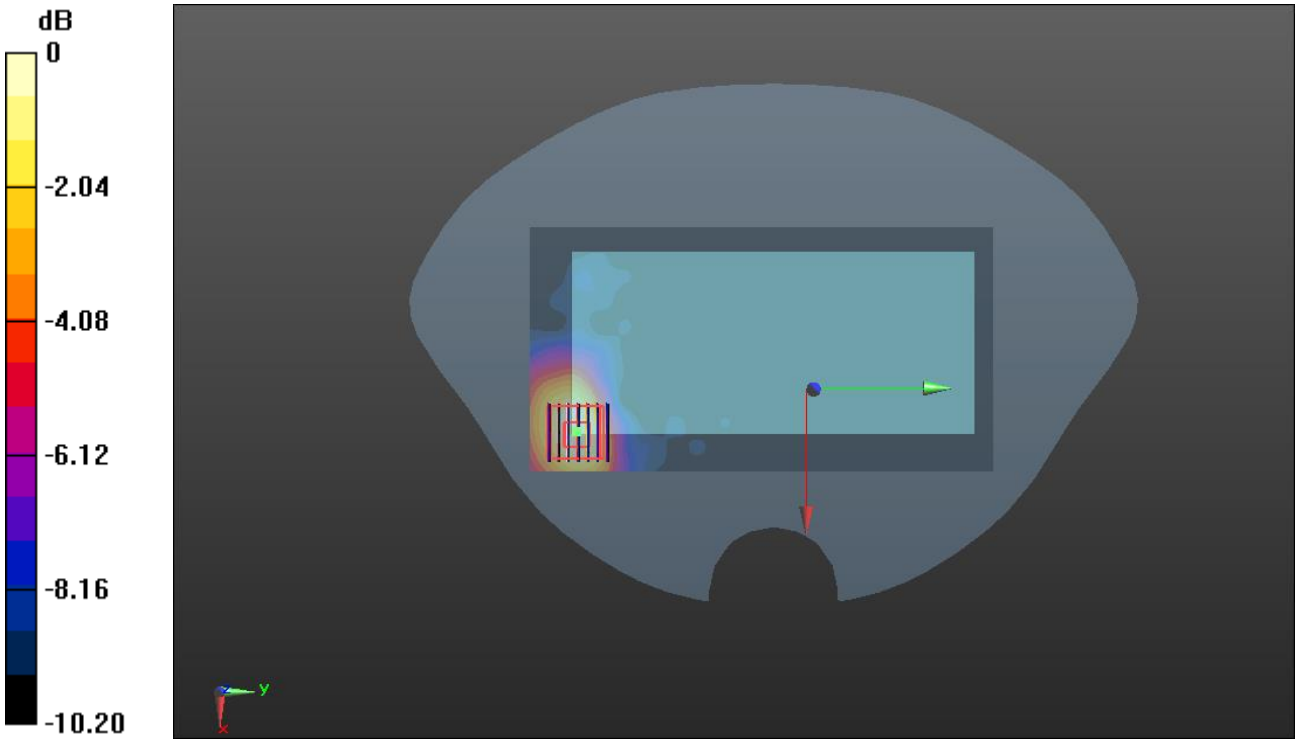
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.521 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.722 W/kg

SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.147 W/kg

Maximum value of SAR (measured) = 0.469 W/kg



0 dB = 0.469 W/kg

Meas.60 Body Plane with Back Side 15mm on 122 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2023.06.02

Communication System Band: 5.6G; Frequency: 5610 MHz;Duty Cycle: 1:1.137

Medium parameters used (interpolated): f = 5610 MHz; σ = 5.072 S/m; ε_r = 34.969; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.9, 4.9, 4.9); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.541 W/kg

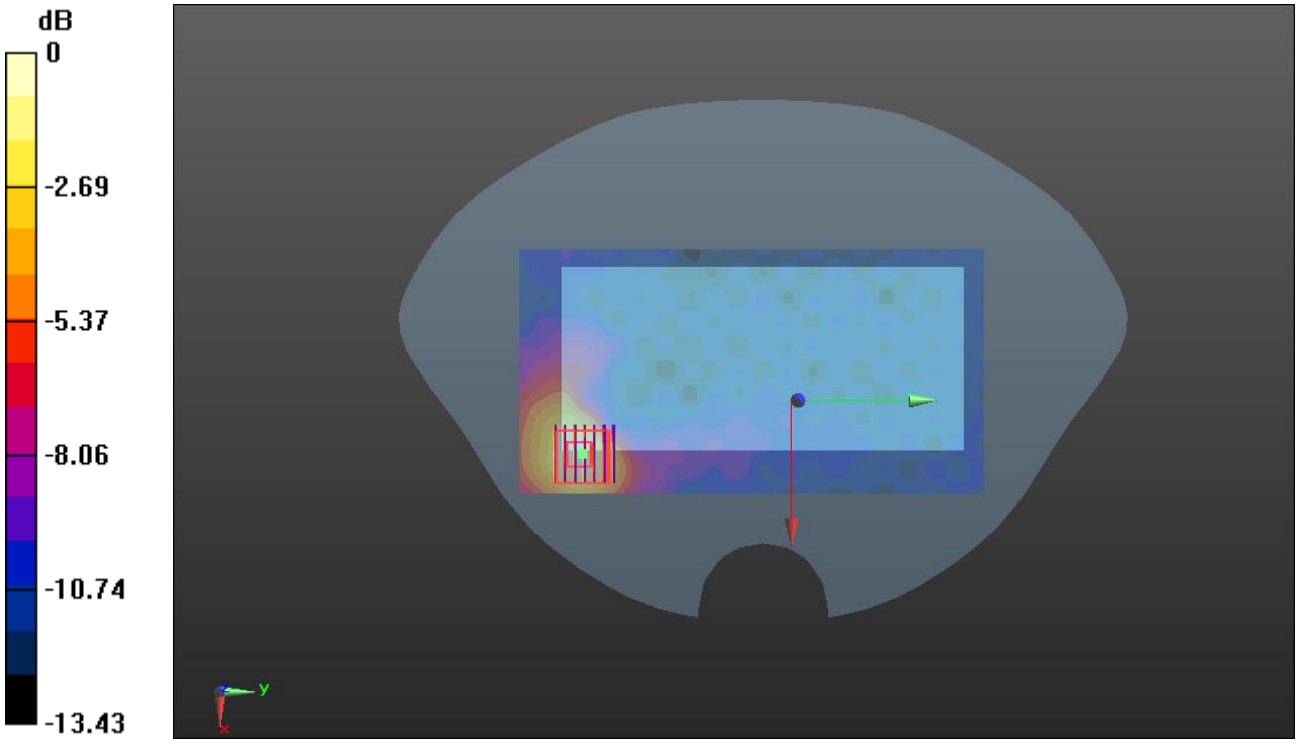
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.770 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.141 W/kg

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



0 dB = 0.502 W/kg

Meas.61 Body Plane with Back Side 15mm on 155 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2023.06.03

Communication System Band: 5.8G; Frequency: 5775 MHz;Duty Cycle: 1:1.137

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.218 S/m; ε_r = 35.305; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5, 5, 5); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 0.560 W/kg

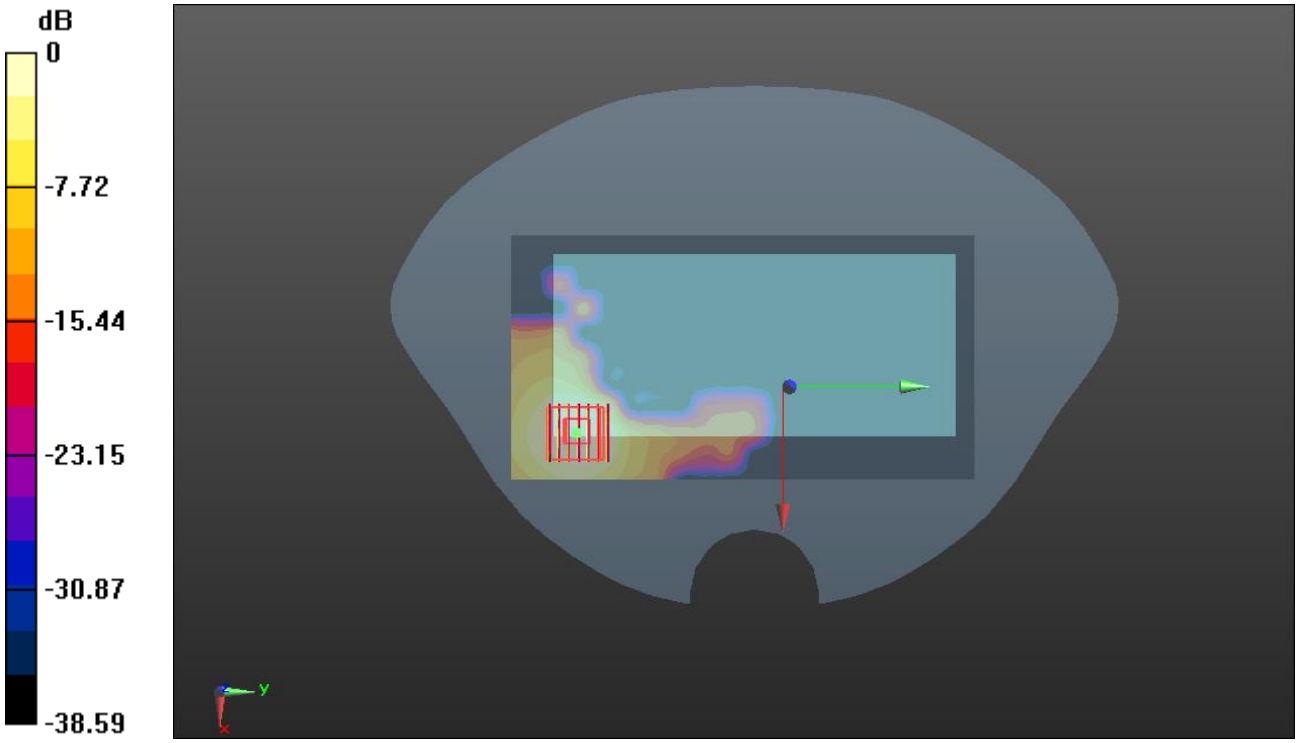
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.909 W/kg

SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.091 W/kg

Maximum value of SAR (measured) = 0.454 W/kg



0 dB = 0.454 W/kg

Meas.62 Body Plane with Left Edge 10mm on 46 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2023.06.01

Communication System Band: 5.2G; Frequency: 5230 MHz;Duty Cycle: 1:1.137

Medium parameters used (interpolated): f = 5230 MHz; σ = 4.624 S/m; ε_r = 36.261; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.45, 5.45, 5.45); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch46/Area Scan (71x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.735 W/kg

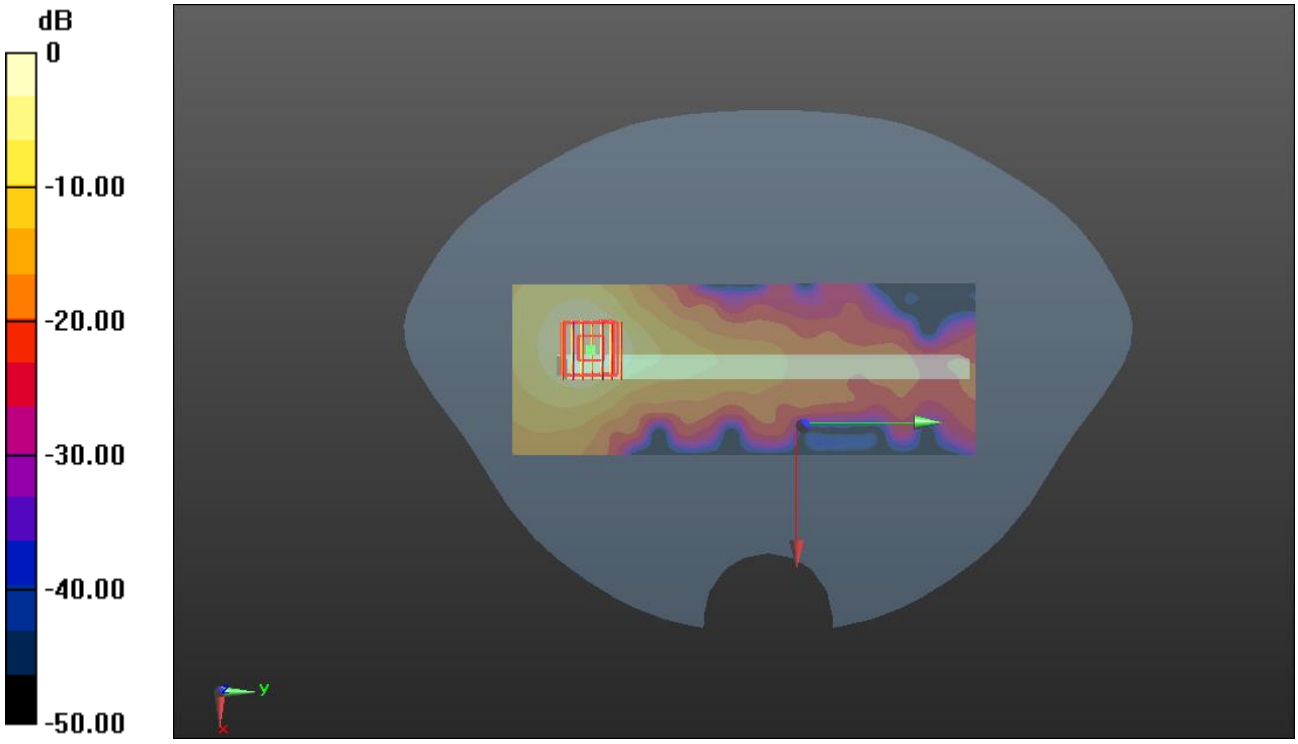
Ch46/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.397 W/kg; SAR(10 g) = 0.140 W/kg

Maximum value of SAR (measured) = 0.741 W/kg



0 dB = 0.741 W/kg

Meas.63 Body Plane with Back Side 10mm on 155 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2023.06.03

Communication System Band: 5.8G; Frequency: 5775 MHz;Duty Cycle: 1:1.137

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.218 S/m; ε_r = 35.305; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5, 5, 5); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- 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) = 1.19 W/kg

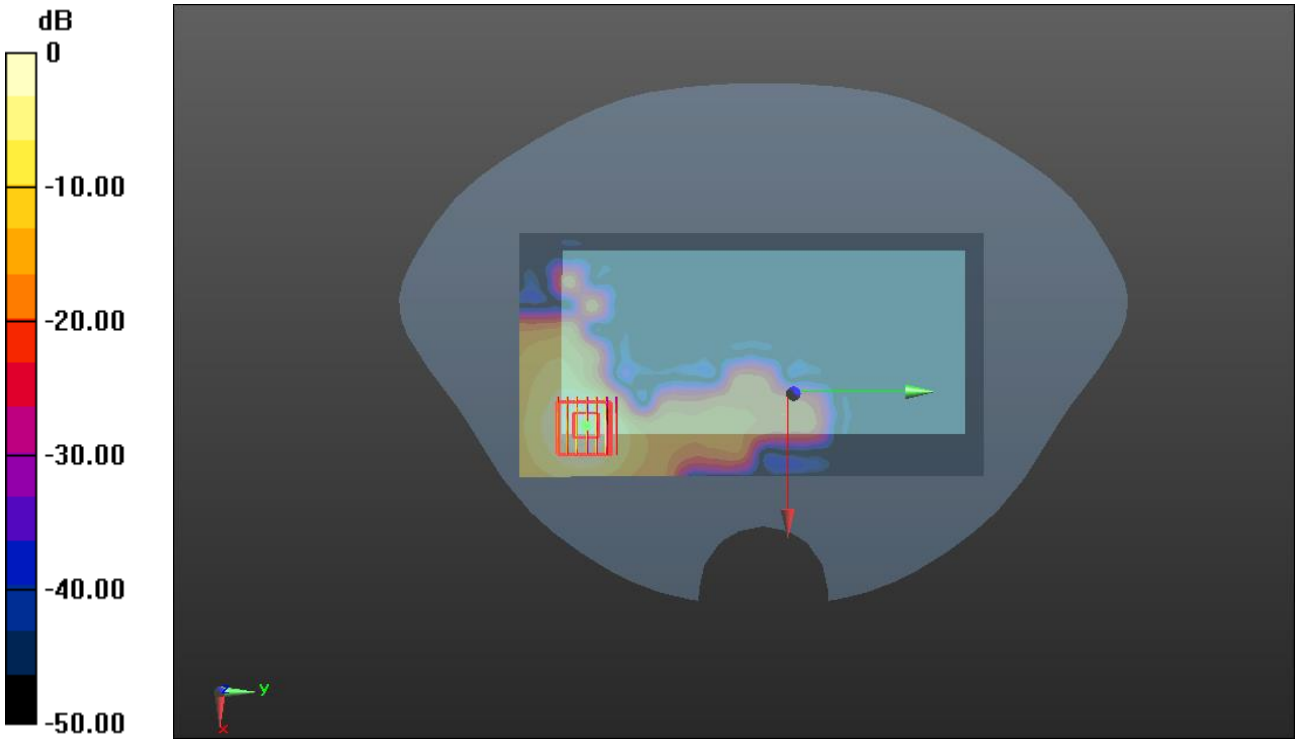
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.3130 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 0.480 W/kg; SAR(10 g) = 0.152 W/kg

Maximum value of SAR (measured) = 0.953 W/kg



0 dB = 0.953 W/kg

Meas.64 Body Plane with Left Edge 0mm on 54 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2023.06.01

Communication System Band: 5.3G; Frequency: 5270 MHz;Duty Cycle: 1:1.137

Medium parameters used (interpolated): f = 5270 MHz; σ = 4.787 S/m; ε_r = 35.257; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.45, 5.45, 5.45); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch54/Area Scan (71x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 7.25 W/kg

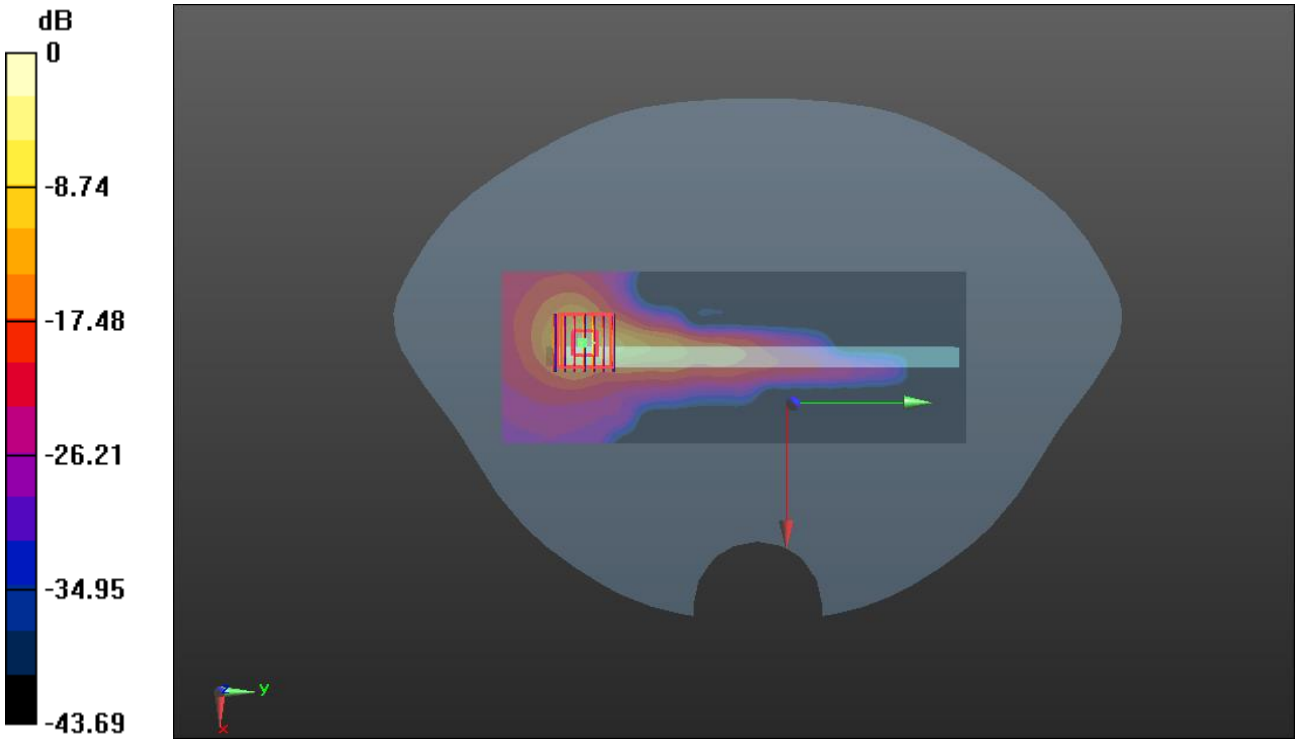
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.235 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 24.7 W/kg

SAR(1 g) = 3.82 W/kg; SAR(10 g) = 0.785 W/kg

Maximum value of SAR (measured) = 10.0 W/kg



0 dB = 10.0 W/kg

Meas.65 Body Plane with Left Edge 0mm on 122 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2023.06.02

Communication System Band: 5.6G; Frequency: 5610 MHz;Duty Cycle: 1:1.137

Medium parameters used (interpolated): f = 5610 MHz; σ = 5.072 S/m; ε_r = 34.969; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.9, 4.9, 4.9); Calibrated: 2022.07.04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch122/Area Scan (71x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.86 W/kg

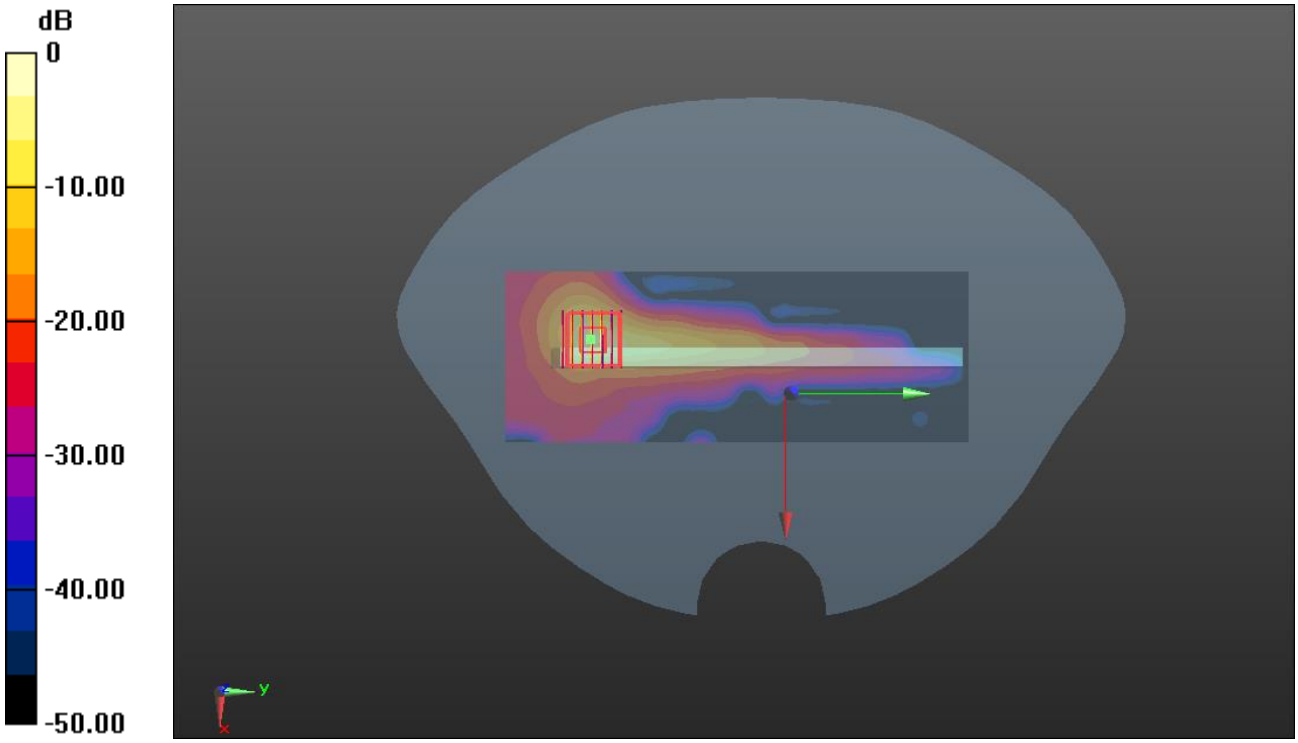
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.762 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 23.9 W/kg

SAR(1 g) = 3.38 W/kg; SAR(10 g) = 0.676 W/kg

Maximum value of SAR (measured) = 9.17 W/kg



0 dB = 9.17 W/kg

Meas.66 Left Head with Cheek on 39 Channel in Bluetooth mode with Antenna 2

Date: 2023.06.05

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.304

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.785 S/m; ε_r = 39.756; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.79, 7.79, 7.79); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.290 W/kg

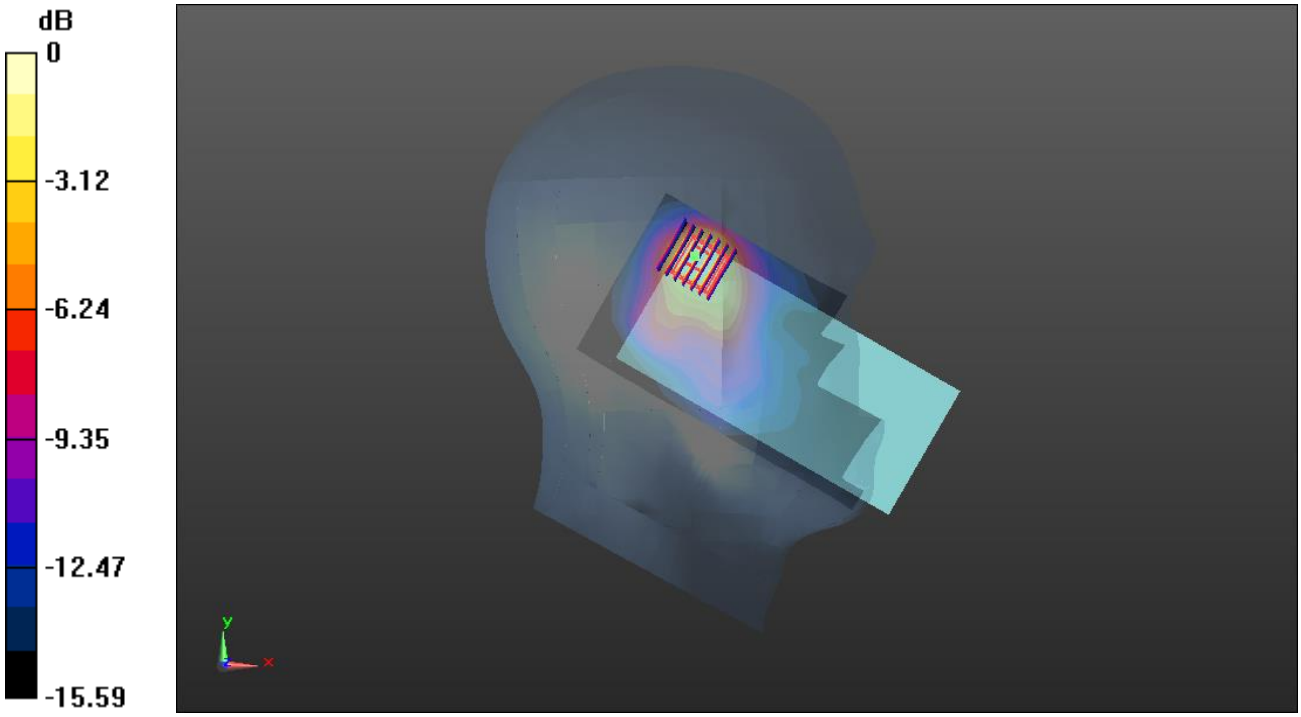
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.407 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.495 W/kg

SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.119 W/kg

Maximum value of SAR (measured) = 0.272 W/kg



0 dB = 0.272 W/kg

Meas.67 Body Plane with Back Side 15mm on 39 Channel in Bluetooth mode with Antenna 2

Date: 2023.06.05

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.304

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.785 S/m; ε_r = 39.756; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.79, 7.79, 7.79); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0425 W/kg

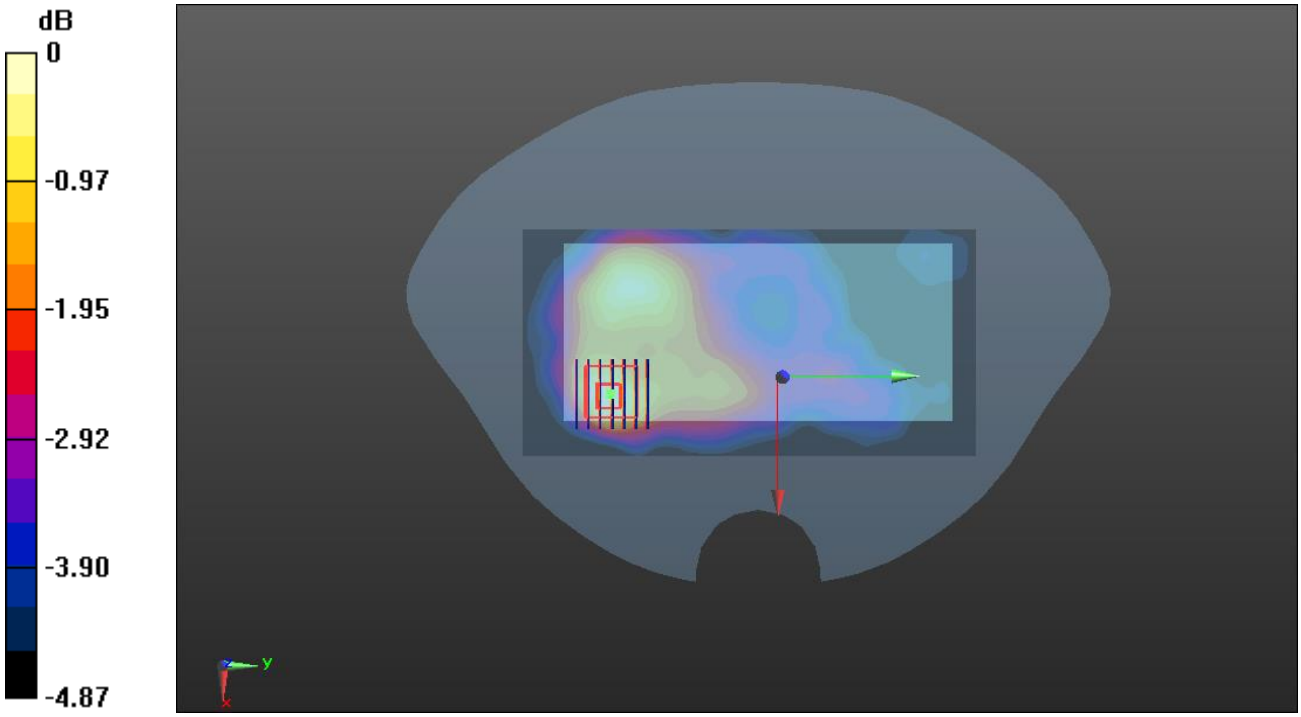
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 0.0640 W/kg

SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.027 W/kg

Maximum value of SAR (measured) = 0.0415 W/kg



0 dB = 0.0415 W/kg

Meas.68 Body Plane with Top Edge 10mm on 39 Channel in Bluetooth mode with Antenna 2

Date: 2023.06.05

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.304

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.785 S/m; ε_r = 39.756; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.79, 7.79, 7.79); Calibrated: 2022.07.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2023.03.23
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (71x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0590 W/kg

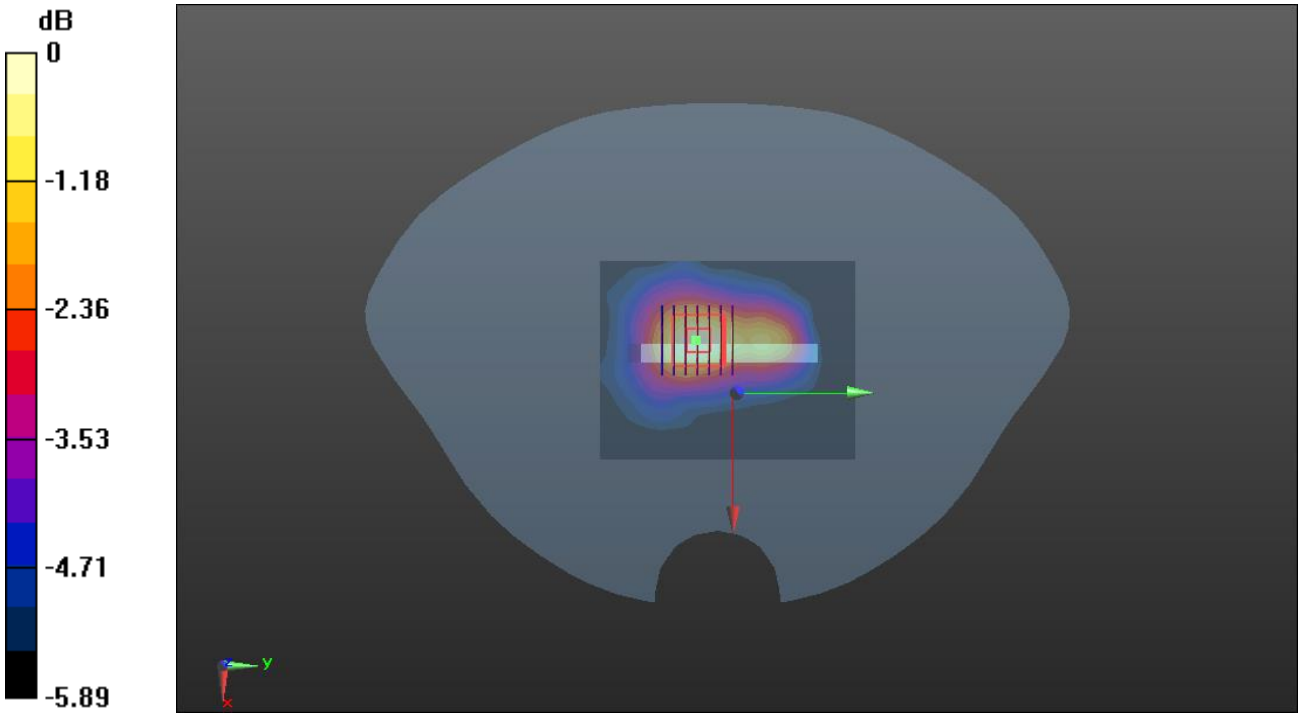
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.869 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.0850 W/kg

SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.036 W/kg

Maximum value of SAR (measured) = 0.0581 W/kg



0 dB = 0.0581 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2350627-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2350627-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2350627-AC.pdf”.

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