TEST REPORT

Applicant:	TECNO MOBILE LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Equipment Type:	Mobile phone
Model Name:	KL4h
Brand Name:	TECNO
FCC ID:	2ADYY-KL4H
Test Standard:	FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR:	Head (1 g@0mm): 1.18 W/kg Body-worn (1 g@10mm): 0.93 W/kg Hotspot (1 g@10mm): 1.09 W/kg Specific (10 g@0mm): 0.52 W/kg
Sample Arrival Date:	Aug. 01, 2024
Test Date:	Aug. 01, 2024 - Aug. 13, 2024
Date of Issue:	Aug. 28, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Zhang Jiwei **Checked by:** Xu Rui **Approved by:** Tolan Tu (Testing Director)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Aug. 28, 2024	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	TECNO MOBILE LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

2.2 Manufacturer Information

Manufacturer	TECNO MOBILE LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile phone
Model Name Under Test	KL4h
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	BL-49NT
	Serial No.	N/A
	Capacity	Rated: 4900mAh/18.86Wh Typical: 5000mAhl/19.25Wh
	Rated Voltage	3.85 V
	Limit Charge Voltage	4.40 V
Ancillary Equipment 2	Headset	
	Length (Approx.)	1.2m

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EGPRS 850/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12//17/66 TDD LTE Band 38/41 Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) GPS, GLONASS, BDS, Galileo
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 WIFI, 5G WIFI, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 17	TX: 704 ~716 MHz	RX: 734 ~ 746 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 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)	2412 ~ 2462 MHz	
	802.11a/ /n(HT20/HT40) /ac(VHT20/VHT40/ VHT80)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	Bluetooth	2402 ~ 2480 MHz	
Antenna Type	WWAN: PIFA Antenna WIFI: PIFA Antenna Bluetooth: PIFA Antenna		
DTM	N/A		
Hotspot Function	Support		
Power Reduction	Support		

Exposure Category	General Population/Uncontrolled exposure	
Product Type	Portable Device	
EUT Type	☒ Production unit	☐ Identical prototype

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	ANSI C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate(SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
5	KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
6	KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
7	KDB 941225 D06 v02r01	SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES
8	KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
9	KDB 865664 D02 v01r02	RF Exposure Reporting
10	KDB 648474 D04 v01r03	SAR EVALUATION CONSIDERATIONS FOR WIRELESS HANDSETS
11	KDB 248227 D01 v02r02	SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR Values

Equipment Class	Band	Maximum Scaled SAR (W/kg)				Maximum Report SAR (W/kg)			
		Head (0mm)	Body-worn (10mm)	Hotspot (10mm)	Specific (0mm)	Head (0mm)	Body-worn (10mm)	Hotspot (10mm)	Specific (0mm)
		1g SAR			10g SAR	1g SAR			10g SAR
PCE	GSM 850	1.15	0.16	0.17	/	1.18	0.93	1.09	0.52
	GSM 1900	1.18	0.46	0.46	/				
	WCDMA Band 2	0.91	0.39	0.42	/				
	WCDMA Band 4	0.89	0.27	0.34	/				
	WCDMA Band 5	1.01	0.17	0.20	/				
	LTE Band 2	0.87	0.66	0.66	/				
	LTE Band 4	1.00	0.26	0.32	/				
	LTE Band 5	1.03	0.18	0.19	/				
	LTE Band 7	0.97	0.65	0.74	/				
	LTE Band 12	0.80	0.23	0.23	/				
	LTE Band 17	0.79	0.22	0.22	/				
	LTE Band 66	0.80	0.23	0.29	/				
	LTE Band 38	1.00	0.93	1.09	/				
	LTE Band 41	0.90	0.79	0.95	/				
DTS	2.4G WIFI	0.56	0.21	0.21	/				
NII	5.2G WLAN	/	/	0.22	/				
	5.3G WLAN	0.32	0.28	/	0.43				
	5.6G WLAN	0.58	0.24	/	0.52				
	5.8G WLAN	0.53	0.20	0.21	/				
DSS	Bluetooth	0.17	0.05	0.05	/				
Limit (W/kg)		1.6			4.0	1.6			4.0
Verdict		PASS							

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR (W/kg)		
	Head 1g (0mm)	Body-worn 1g (10mm)	Hotspot 1g (10mm)
PCE	**1.53**	**1.26**	**1.26**
DTS	1.35	1.15	1.15
NII	**1.53**	**1.26**	**1.26**
DSS	**1.53**	**1.26**	**1.26**
Limit (W/Kg)	1.60		
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 1.18 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 0.52 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

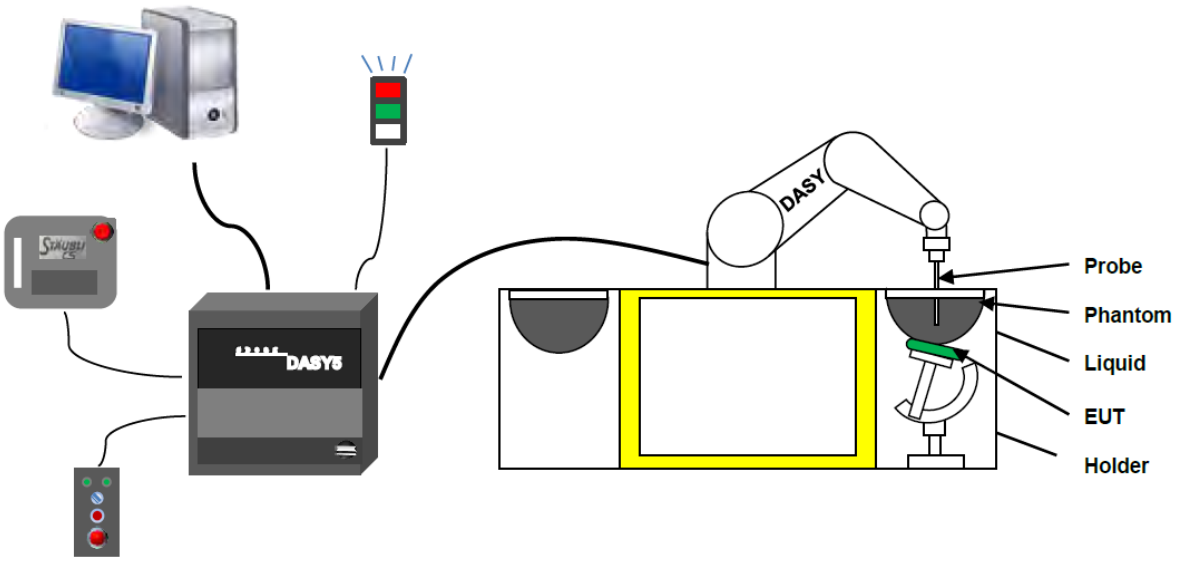
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^{2}}{\boldsymbol{\rho}}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



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

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

4.2.2 Robot

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

- High precision

  (repeatability ±0.02 mm)

- High reliability

  (industrial design)

- Low maintenance costs

  (virtually maintenance free due to direct drive gears; no belt drives)

- Jerk-free straight movements

  (brush less synchron motors; no stepper motors)

- Low ELF interference

  (motor control _elds shielded via the closed metallic construction shields)

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN:7510&3748 with following specifications is used.

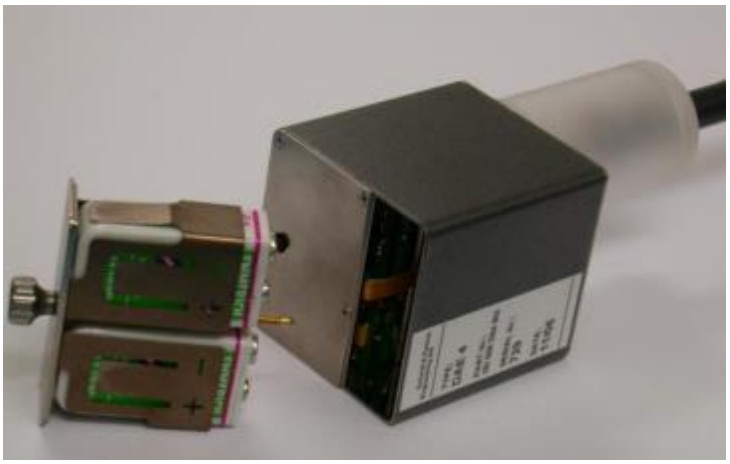
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz;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

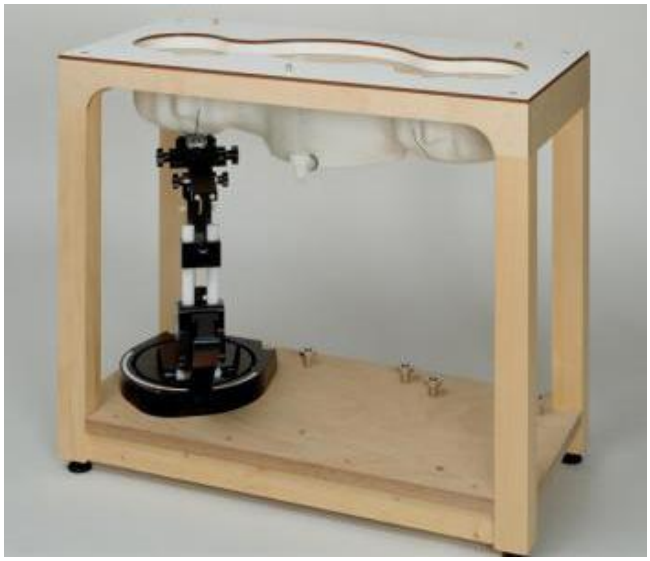
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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

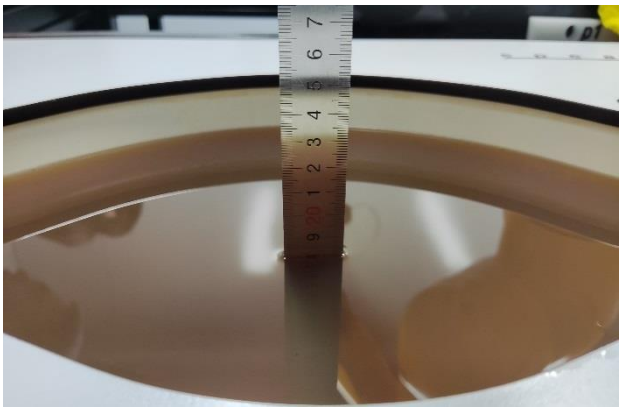
4.2.6 Device Holder

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

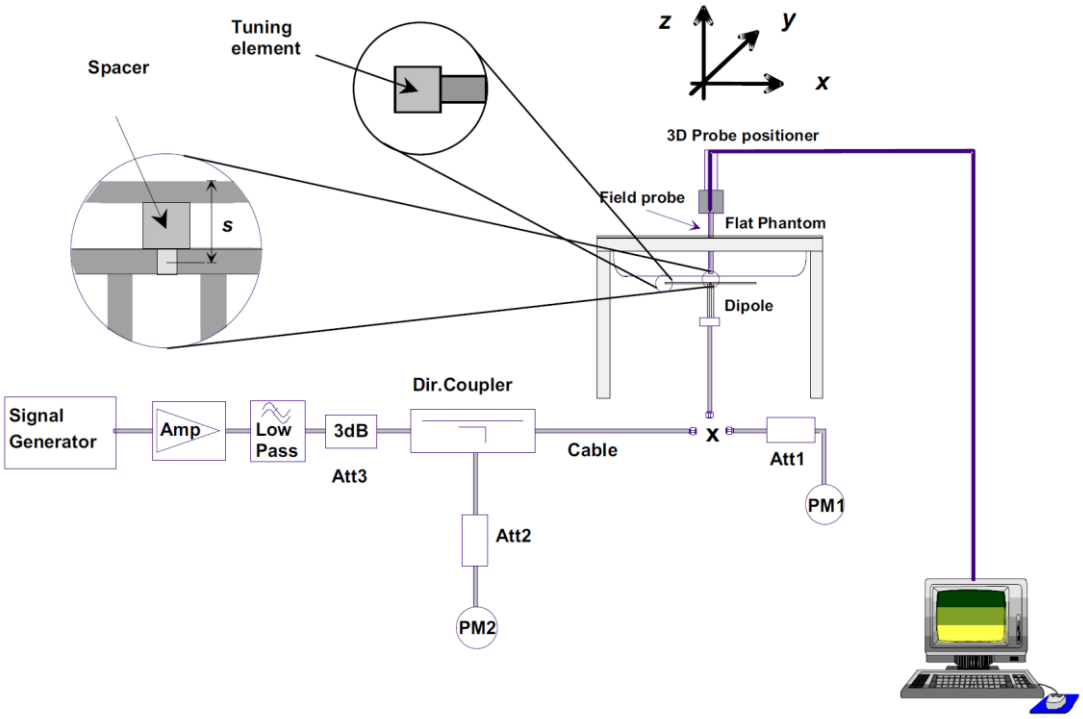
5 SYSTEM VERIFICATION

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

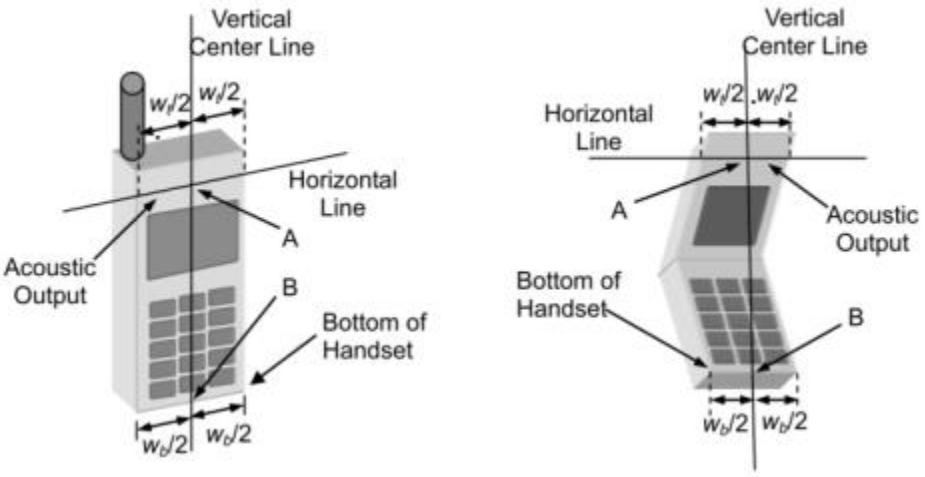
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

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.

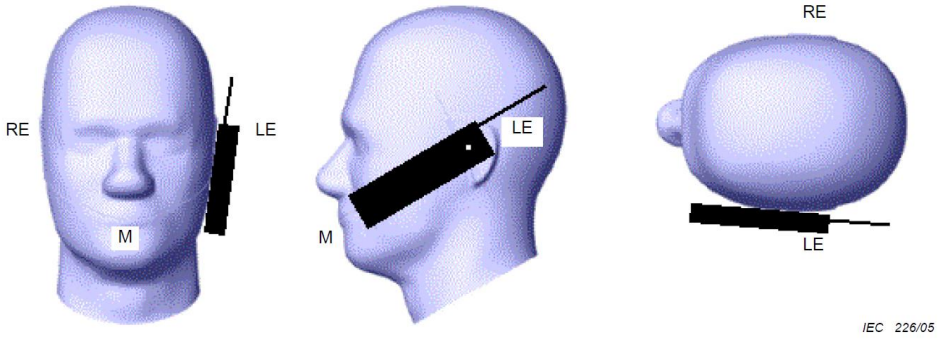
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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

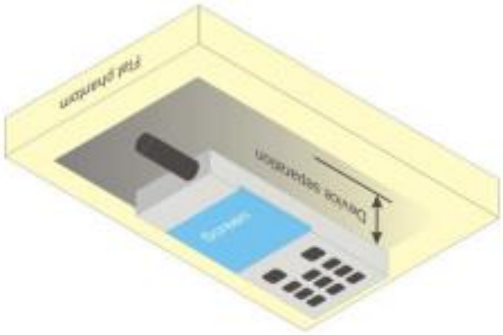
(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

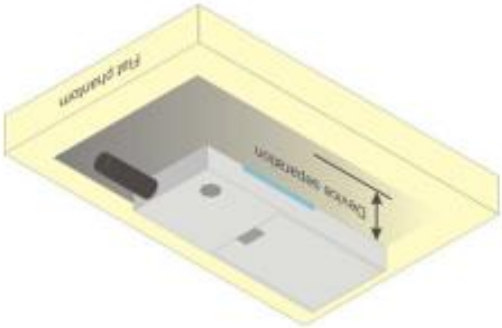
6.2 Body-worn Position Conditions

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.

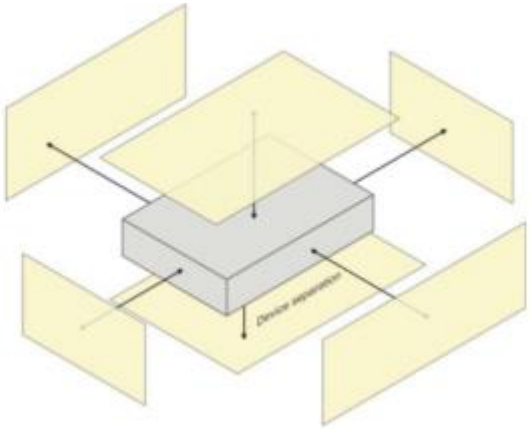
Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice 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).



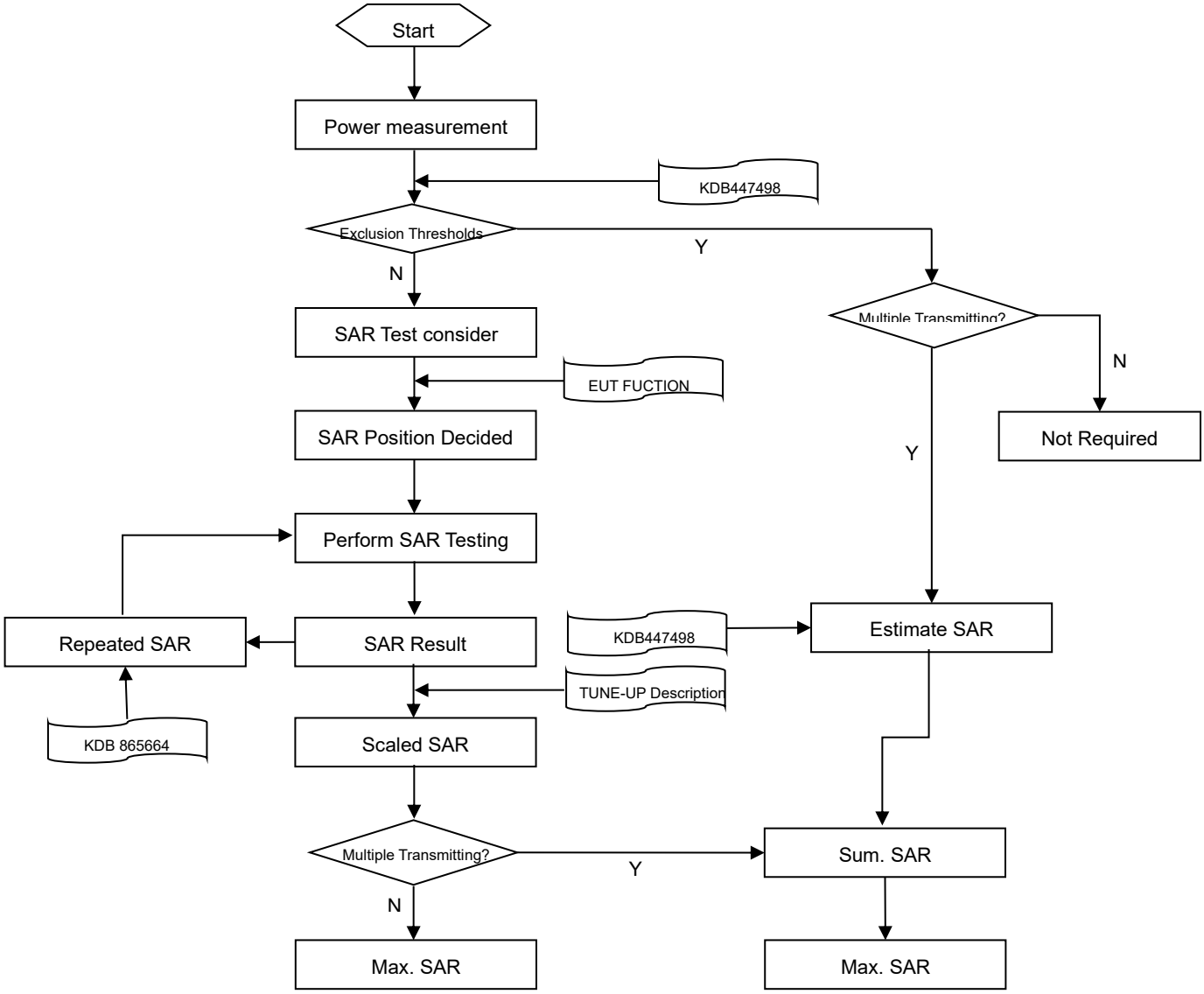
6.4 Product Specific 10g Exposure Consideration

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 ≤ 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.

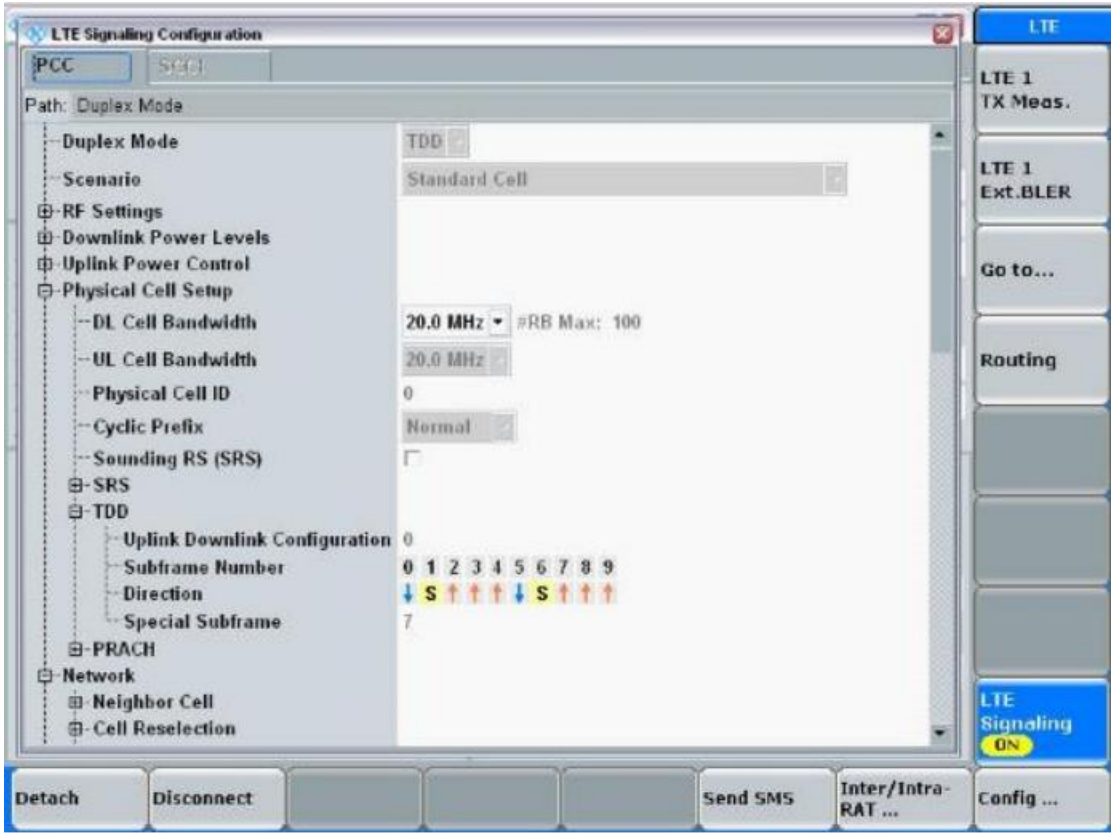
d. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 *32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

7.4 Area & Zoom Scan Procedure

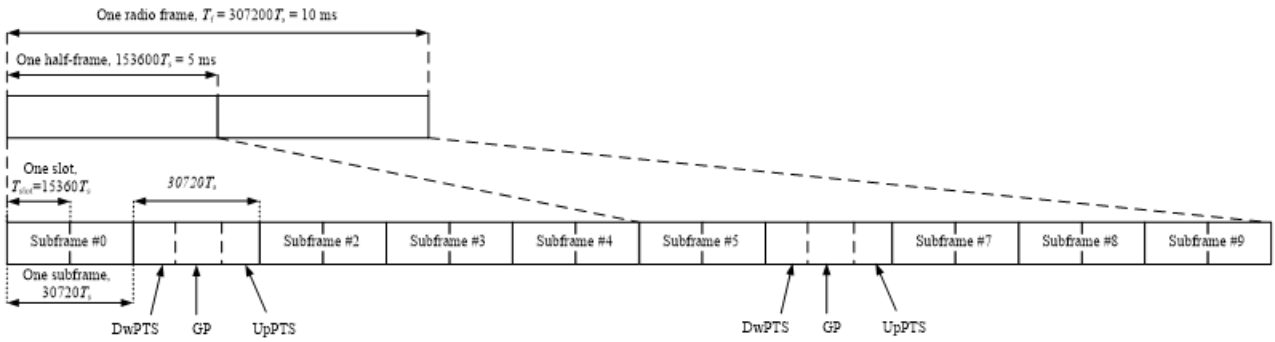
First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan 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.

7.5 Area & Zoom Scan Procedure

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



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



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

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

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

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

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

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

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

8 CONDUCTED RF OUPUT POWER

8.1 GSM

Please refer the document “BL-SZ2480027-AP Power List.pdf”.

8.2 WCDMA

Please refer the document “BL-SZ2480027-AP Power List.pdf”.

8.3 LTE

Please refer the document “BL-SZ2480027-AP Power List.pdf”.

8.4 WIFI

8.4.1 2.4G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.78	18.00	No
		6	2437	17.82	18.00	No
		11	2462	**17.96**	18.00	Yes
	802.11g	1	2412	16.77	17.00	No
		6	2437	16.69	17.00	No
		11	2462	16.85	17.00	No
	802.11n(HT20)	1	2412	15.27	16.00	No
		6	2437	15.61	16.00	No
		11	2462	15.40	16.00	No

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

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

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

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

Adjusted SAR = 0.558 * (50.12mW/63.10mW) = 0.443 W/Kg, so 2.4G OFDM SAR test is not required.

8.4.2 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.89	14.00	No
		44	5220	13.69	14.00	No
		48	5240	13.80	14.00	No
	802.11n(HT20)	36	5180	14.54	15.00	No
		44	5220	14.74	15.00	No
		48	5240	14.89	15.00	No
	802.11n(HT40)	38	5190	**14.72**	15.00	Yes
		46	5230	14.70	15.00	No
	802.11ac(VHT20)	36	5180	11.22	12.00	No
		44	5220	11.65	12.00	No
		48	5240	11.58	12.00	No
	802.11ac(VHT40)	38	5190	11.64	12.00	No
		46	5230	11.48	12.00	No
	802.11ac(VHT80)	42	5210	11.89	12.00	No
5.3 (5.25~5.35)	802.11a	52	5260	13.60	14.00	No
		60	5300	13.60	14.00	No
		64	5320	13.54	14.00	No
	802.11n(HT20)	52	5260	14.80	15.00	No
		60	5300	14.65	15.00	No
		64	5320	14.59	15.00	No
	802.11n(HT40)	54	5270	**14.47**	15.00	Yes
		62	5310	14.45	15.00	No
	802.11ac(VHT20)	52	5260	11.56	12.00	No
		60	5300	11.48	12.00	No
		64	5320	11.55	12.00	No
	802.11ac(VHT40)	54	5270	11.45	12.00	No
		62	5310	11.37	12.00	No
	802.11ac(VHT80)	58	5290	11.73	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	13.61	14.00	No
		116	5580	13.34	14.00	No
		140	5700	13.49	14.00	No
	802.11n(HT20)	100	5500	14.84	15.00	No
		116	5580	14.83	15.00	No
		140	5700	14.10	15.00	No
	802.11n(HT40)	102	5510	14.46	15.00	No
		118	5590	14.71	15.00	No

		134	5670	**14.78**	15.00	Yes
	802.11ac(VHT20)	100	5500	11.58	12.00	No
		116	5580	11.60	12.00	No
		140	5700	11.74	12.00	No
	802.11ac(VHT40)	102	5510	11.33	12.00	No
		118	5590	11.64	12.00	No
		134	5670	11.76	12.00	No
	802.11ac(VHT80)	106	5530	11.68	12.00	No
		122	5690	11.88	12.00	No
5.8 (5.725~5.850)	802.11a	149	5745	13.55	14.00	No
		157	5785	13.29	14.00	No
		165	5825	13.70	14.00	No
	802.11n(HT20)	149	5745	14.49	15.00	No
		157	5785	14.76	15.00	No
		165	5825	14.65	15.00	No
	802.11n(HT40)	151	5755	**14.90**	15.00	Yes
		159	5795	14.50	15.00	No
	802.11ac(VHT20)	149	5745	11.90	12.00	No
		157	5785	11.54	12.00	No
		165	5825	11.86	12.00	No
	802.11ac(VHT40)	151	5755	11.52	12.00	No
		159	5795	11.42	12.00	No
	802.11ac(VHT80)	155	5775	11.72	12.00	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.						

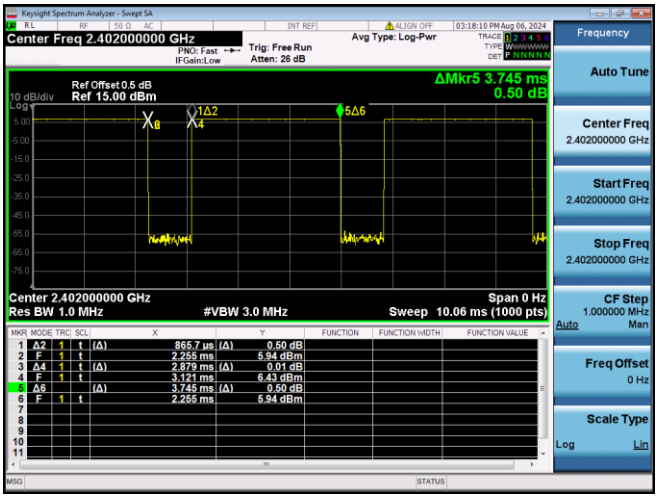
8.5 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power(dBm)	6.75	6.67	**9.29**	5.72	5.87	8.56
Tune-Up Limit (dBm)	11.00	11.00	11.00	11.00	11.00	11.00
SAR Test Require	NO	NO	YES	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power(dBm)	5.58	5.83	8.52	/	/	/
Tune-Up Limit (dBm)	11.00	11.00	11.00	/	/	/
SAR Test Require	NO	NO	NO	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	1	19	38
Frequency (MHz)	2402	2440	2480	2404	2440	2478
Conducted Power(dBm)	-3.91	-3.64	-3.31	-3.52	-3.43	-3.08
Tune-Up Limit (dBm)	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
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 BT DH5 duty cycle is 76.88% 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



9 TEST EXCLUSION CONSIDERATION

For antenna location and support bands please refer the document “BL-SZ2480027-AI EUT internal photo.pdf”.

Antenna	Front Side(mm)	Back Side(mm)	Left Edge(mm)	Right Edge(mm)	Top Edge (mm)	Bottom Edge(mm)
Ant.1	<25	<25	<25	<25	>25	<25
Ant.2	<25	<25	>25	<25	<25	>25
Ant.4	<25	<25	<25	>25	<25	>25
Note: 1. Per KDB 941225 DO6, When the overall length and width of a device is > 9 cm *5 cm, a test separation distance of 10 mm is required for hotspot mode SAR measurements and hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.						

10 TEST RESULT

10.1 GSM 850

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Tune -up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head												
Ant.2	DATA 4 Slots	Left Cheek	0	190	836.6	0.03	0.623	28.49	29.50	1.262	0.786	/
Ant.2	DATA 4 Slots	Left Tilt	0	190	836.6	0.00	0.501	28.49	29.50	1.262	0.632	/
Ant.2	DATA 4 Slots	Right Cheek	0	190	836.6	-0.02	0.908	28.49	29.50	1.262	**1.146**	1#
Ant.2	DATA 4 Slots	Right Tilt	0	190	836.6	0.12	0.628	28.49	29.50	1.262	0.793	/
Ant.2	DATA 4 Slots	Right Cheek	0	128	824.2	0.12	0.821	28.36	29.50	1.300	1.067	/
Ant.2	DATA 4 Slots	Right Cheek	0	251	848.8	-0.13	0.860	28.27	29.50	1.327	1.141	/
Ant.1	DATA 4 Slots	Left Cheek	0	190	836.6	0.13	0.081	28.04	29.50	1.400	0.113	/
Ant.1	DATA 4 Slots	Left Tilt	0	190	836.6	0.08	0.044	28.04	29.50	1.400	0.062	/
Ant.1	DATA 4 Slots	Right Cheek	0	190	836.6	0.04	0.077	28.04	29.50	1.400	0.108	/
Ant.1	DATA 4 Slots	Right Tilt	0	190	836.6	-0.01	0.042	28.04	29.50	1.400	0.059	/
Body-worn&Hotspot												
Ant.2	DATA 4 Slots	Front Side	10	190	836.6	0.01	0.102	28.49	29.50	1.262	0.129	/
Ant.2	DATA 4 Slots	Back Side	10	190	836.6	-0.02	0.128	28.49	29.50	1.262	0.162	/
Ant.2	DATA 4 Slots	Right Edge	10	190	836.6	0.02	0.075	28.49	29.50	1.262	0.095	/
Ant.2	DATA 4 Slots	Top Edge	10	190	836.6	-0.07	0.134	28.49	29.50	1.262	**0.169**	2#
Ant.1	DATA 4 Slots	Front Side	10	190	836.6	0.13	0.012	28.04	29.50	1.400	0.017	/
Ant.1	DATA 4 Slots	Back Side	10	190	836.6	0.11	0.023	28.04	29.50	1.400	0.032	/
Ant.1	DATA 4 Slots	Left Edge	10	190	836.6	-0.06	0.000	28.04	29.50	1.400	0.000	/
Ant.1	DATA 4 Slots	Right Edge	10	190	836.6	-0.04	0.000	28.04	29.50	1.400	0.000	/
Ant.1	DATA 4 Slots	Bottom Edge	10	190	836.6	-0.13	0.010	28.04	29.50	1.400	0.014	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.												

10.2 GSM 1900

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head												
Ant.2	DATA 4 Slots	Left Cheek	0	661	1880.0	-0.08	0.506	23.64	24.50	1.219	0.617	/
Ant.2	DATA 4 Slots	Left Tilt	0	661	1880.0	0.12	0.396	23.64	24.50	1.219	0.483	/
Ant.2	DATA 4 Slots	Right Cheek	0	661	1880.0	0.03	0.746	23.64	24.50	1.219	0.909	/
Ant.2	DATA 4 Slots	Right Tilt	0	661	1880.0	-0.18	0.971	23.64	24.50	1.219	**1.184**	3#
Ant.2	DATA 4 Slots	Right Cheek	0	512	1850.2	0.02	0.635	23.54	24.50	1.247	0.792	/
Ant.2	DATA 4 Slots	Right Cheek	0	810	1909.8	0.04	0.633	23.57	24.50	1.239	0.784	/
Ant.2	DATA 4 Slots	Right Tilt	0	512	1850.2	-0.01	0.915	23.54	24.50	1.247	1.141	/
Ant.2	DATA 4 Slots	Right Tilt	0	661	1880.0	0.14	0.835	23.57	24.50	1.239	1.035	/
Ant.1	DATA 4 Slots	Left Cheek	0	661	1880.0	0.01	0.126	23.06	24.50	1.393	0.176	/
Ant.1	DATA 4 Slots	Left Tilt	0	661	1880.0	-0.09	0.100	23.06	24.50	1.393	0.139	/
Ant.1	DATA 4 Slots	Right Cheek	0	661	1880.0	0.09	0.107	23.06	24.50	1.393	0.149	/
Ant.1	DATA 4 Slots	Right Tilt	0	661	1880.0	0.01	0.089	23.06	24.50	1.393	0.124	/
Body-worn&Hotspot												
Ant.2	DATA 4 Slots	Front Side	10	661	1880.0	-0.04	0.160	23.64	24.50	1.219	0.195	/
Ant.2	DATA 4 Slots	Back Side	10	661	1880.0	0.10	0.260	23.64	24.50	1.219	0.317	/
Ant.2	DATA 4 Slots	Right Edge	10	661	1880.0	-0.13	0.056	23.64	24.50	1.219	0.068	/
Ant.2	DATA 4 Slots	Top Edge	10	661	1880.0	0.10	0.324	23.64	24.50	1.219	0.395	/
Ant.1	DATA 4 Slots	Front Side	10	661	1880.0	0.12	0.191	23.06	24.50	1.393	0.266	/
Ant.1	DATA 4 Slots	Back Side	10	661	1880.0	0.11	0.329	23.06	24.50	1.393	**0.458**	4#
Ant.1	DATA 4 Slots	Left Edge	10	661	1880.0	0.14	0.044	23.06	24.50	1.393	0.061	/
Ant.1	DATA 4 Slots	Right Edge	10	661	1880.0	0.05	0.140	23.06	24.50	1.393	0.195	/
Ant.1	DATA 4 Slots	Bottom Edge	10	661	1880.0	-0.04	0.323	23.06	24.50	1.393	0.450	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.												

10.3WCDMA Band 2

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head												
Ant.2	RMC	Left Cheek	0	9400	1880.0	0.07	0.302	19.83	21.50	1.469	0.444	/
Ant.2	RMC	Left Tilt	0	9400	1880.0	-0.03	0.353	19.83	21.50	1.469	0.519	/
Ant.2	RMC	Right Cheek	0	9400	1880.0	-0.08	0.509	19.83	21.50	1.469	0.748	/
Ant.2	RMC	Right Tilt	0	9400	1880.0	-0.07	0.617	19.83	21.50	1.469	**0.906**	5#
Ant.2	RMC	Right Tilt	0	9262	1852.4	0.03	0.604	19.81	21.50	1.476	0.892	/
Ant.2	RMC	Right Tilt	0	9538	1907.6	0.10	0.595	19.81	21.50	1.476	0.878	/
Ant.1	RMC	Left Cheek	0	9538	1907.6	0.03	0.087	18.81	20.50	1.476	0.128	/
Ant.1	RMC	Left Tilt	0	9538	1907.6	0.00	0.079	18.81	20.50	1.476	0.117	/
Ant.1	RMC	Right Cheek	0	9538	1907.6	0.11	0.073	18.81	20.50	1.476	0.108	/
Ant.1	RMC	Right Tilt	0	9538	1907.6	0.14	0.053	18.81	20.50	1.476	0.078	/
Body-worn&Hotspot												
Ant.2	RMC	Front Side	10	9400	1880.0	-0.13	0.147	19.83	21.50	1.469	0.216	/
Ant.2	RMC	Back Side	10	9400	1880.0	0.05	0.234	19.83	21.50	1.469	0.344	/
Ant.2	RMC	Right Edge	10	9400	1880.0	-0.03	0.049	19.83	21.50	1.469	0.072	/
Ant.2	RMC	Top Edge	10	9400	1880.0	-0.18	0.245	19.83	21.50	1.469	0.360	/
Ant.1	RMC	Front Side	10	9538	1907.6	-0.02	0.142	18.81	20.50	1.476	0.210	/
Ant.1	RMC	Back Side	10	9538	1907.6	0.14	0.264	18.81	20.50	1.476	0.390	/
Ant.1	RMC	Left Edge	10	9538	1907.6	0.01	0.041	18.81	20.50	1.476	0.061	/
Ant.1	RMC	Right Edge	10	9538	1907.6	0.00	0.106	18.81	20.50	1.476	0.156	/
Ant.1	RMC	Bottom Edge	10	9538	1907.6	-0.12	0.283	18.81	20.50	1.476	**0.418**	6#
Note: Refer to ANNEX C for the detailed test data for each test configuration.												

10.4WCDMA Band 4

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head												
Ant.2	RMC	Left Cheek	0	1312	1712.4	0.13	0.378	18.87	19.50	1.156	0.437	/
Ant.2	RMC	Left Tilt	0	1312	1712.4	-0.02	0.439	18.87	19.50	1.156	0.507	/
Ant.2	RMC	Right Cheek	0	1312	1712.4	-0.07	0.737	18.87	19.50	1.156	0.852	/
Ant.2	RMC	Right Tilt	0	1312	1712.4	-0.01	0.768	18.87	19.50	1.156	**0.888**	7#
Ant.2	RMC	Right Cheek	0	1412	1752.6	0.00	0.715	18.83	19.50	1.167	0.834	/
Ant.2	RMC	Right Cheek	0	1513	1752.6	-0.06	0.708	18.85	19.50	1.161	0.822	/
Ant.2	RMC	Right Tilt	0	1412	1752.6	0.14	0.752	18.83	19.50	1.167	0.878	/
Ant.2	RMC	Right Tilt	0	1513	1752.6	-0.06	0.748	18.85	19.50	1.161	0.868	/
Ant.1	RMC	Left Cheek	0	1312	1712.4	-0.12	0.035	17.90	19.50	1.445	0.051	/
Ant.1	RMC	Left Tilt	0	1312	1712.4	0.07	0.023	17.90	19.50	1.445	0.033	/
Ant.1	RMC	Right Cheek	0	1312	1712.4	0.10	0.029	17.90	19.50	1.445	0.042	/
Ant.1	RMC	Right Tilt	0	1312	1712.4	0.12	0.021	17.90	19.50	1.445	0.030	/
Body-worn&Hotspot												
Ant.2	RMC	Front Side	10	1312	1712.4	0.04	0.113	18.87	19.50	1.156	0.131	/
Ant.2	RMC	Back Side	10	1312	1712.4	0.07	0.118	18.87	19.50	1.156	0.136	/
Ant.2	RMC	Right Edge	10	1312	1712.4	0.04	0.042	18.87	19.50	1.156	0.049	/
Ant.2	RMC	Top Edge	10	1312	1712.4	-0.08	0.196	18.87	19.50	1.156	0.227	/
Ant.1	RMC	Front Side	10	1312	1712.4	0.10	0.078	17.90	19.50	1.445	0.113	/
Ant.1	RMC	Back Side	10	1312	1712.4	0.03	0.185	17.90	19.50	1.445	0.267	/
Ant.1	RMC	Left Edge	10	1312	1712.4	-0.04	0.023	17.90	19.50	1.445	0.033	/
Ant.1	RMC	Right Edge	10	1312	1712.4	-0.01	0.043	17.90	19.50	1.445	0.062	/
Ant.1	RMC	Bottom Edge	10	1312	1712.4	-0.02	0.234	17.90	19.50	1.445	**0.338**	8#
Note: Refer to ANNEX C for the detailed test data for each test configuration.												

10.5WCDMA Band 5

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head												
Ant.2	RMC	Left Cheek	0	4233	846.6	0.07	0.591	22.82	23.50	1.169	0.691	/
Ant.2	RMC	Left Tilt	0	4233	846.6	-0.08	0.546	22.82	23.50	1.169	0.638	/
Ant.2	RMC	Right Cheek	0	4233	846.6	-0.09	0.863	22.82	23.50	1.169	**1.009**	9#
Ant.2	RMC	Right Tilt	0	4233	846.6	-0.04	0.610	22.82	23.50	1.169	0.713	/
Ant.2	RMC	Right Cheek	0	4132	826.4	0.09	0.807	22.76	23.50	1.186	0.957	/
Ant.2	RMC	Right Cheek	0	4182	836.4	0.05	0.821	22.80	23.50	1.175	0.965	/
Ant.1	RMC	Left Cheek	0	4233	846.6	-0.01	0.103	22.38	23.50	1.294	0.133	/
Ant.1	RMC	Left Tilt	0	4233	846.6	0.07	0.050	22.38	23.50	1.294	0.065	/
Ant.1	RMC	Right Cheek	0	4233	846.6	-0.11	0.095	22.38	23.50	1.294	0.123	/
Ant.1	RMC	Right Tilt	0	4233	846.6	-0.06	0.045	22.38	23.50	1.294	0.058	/
Body-worn&Hotspot												
Ant.2	RMC	Front Side	10	4233	846.6	0.04	0.142	22.82	23.50	1.169	0.166	/
Ant.2	RMC	Back Side	10	4233	846.6	0.04	0.148	22.82	23.50	1.169	0.173	/
Ant.2	RMC	Right Edge	10	4233	846.6	0.07	0.058	22.82	23.50	1.169	0.068	/
Ant.2	RMC	Top Edge	10	4233	846.6	-0.05	0.171	22.82	23.50	1.169	**0.200**	10#
Ant.1	RMC	Front Side	10	4233	846.6	0.07	0.079	22.38	23.50	1.294	0.102	/
Ant.1	RMC	Back Side	10	4233	846.6	-0.07	0.130	22.38	23.50	1.294	0.168	/
Ant.1	RMC	Left Edge	10	4233	846.6	-0.04	0.088	22.38	23.50	1.294	0.114	/
Ant.1	RMC	Right Edge	10	4233	846.6	-0.04	0.029	22.38	23.50	1.294	0.038	/
Ant.1	RMC	Bottom Edge	10	4233	846.6	-0.03	0.104	22.38	23.50	1.294	0.135	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.												

10.6 LTE Band 2 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.2	QPSK	Left Cheek	0	18700	1860	1	Mid	-0.13	0.385	21.48	22.00	1.127	0.434	/
Ant.2	QPSK	Left Cheek	0	18700	1860	50	High	0.12	0.303	20.37	21.00	1.156	0.350	/
Ant.2	QPSK	Left Tilt	0	18700	1860	1	Mid	0.10	0.467	21.48	22.00	1.127	0.526	/
Ant.2	QPSK	Left Tilt	0	18700	1860	50	High	-0.07	0.368	20.37	21.00	1.156	0.425	/
Ant.2	QPSK	Right Cheek	0	18700	1860	1	Mid	-0.02	0.637	21.48	22.00	1.127	0.718	/
Ant.2	QPSK	Right Cheek	0	18700	1860	50	High	-0.05	0.509	20.37	21.00	1.156	0.588	/
Ant.2	QPSK	Right Tilt	0	18700	1860	1	Mid	-0.12	0.763	21.48	22.00	1.127	0.860	/
Ant.2	QPSK	Right Tilt	0	18700	1860	50	High	0.12	0.608	20.37	21.00	1.156	0.703	/
Ant.2	QPSK	Right Tilt	0	18900	1880	1	Mid	-0.01	0.765	21.46	22.00	1.132	**0.866**	11#
Ant.2	QPSK	Right Tilt	0	19100	1900	1	Mid	0.09	0.742	21.37	22.00	1.156	0.858	/
Ant.2	QPSK	Right Tilt	0	18700	1860	100	Low	0.12	0.604	20.33	21.00	1.167	0.705	/
Ant.1	QPSK	Left Cheek	0	18900	1880	1	Mid	-0.06	0.133	20.49	22.00	1.416	0.188	/
Ant.1	QPSK	Left Cheek	0	18700	1860	50	High	0.10	0.104	19.31	21.00	1.476	0.154	/
Ant.1	QPSK	Left Tilt	0	18900	1880	1	Mid	0.06	0.116	20.49	22.00	1.416	0.164	/
Ant.1	QPSK	Left Tilt	0	18700	1860	50	High	0.00	0.092	19.31	21.00	1.476	0.136	/
Ant.1	QPSK	Right Cheek	0	18900	1880	1	Mid	-0.01	0.120	20.49	22.00	1.416	0.170	/
Ant.1	QPSK	Right Cheek	0	18700	1860	50	High	0.07	0.101	19.31	21.00	1.476	0.149	/
Ant.1	QPSK	Right Tilt	0	18900	1880	1	Mid	0.14	0.104	20.49	22.00	1.416	0.147	/
Ant.1	QPSK	Right Tilt	0	18700	1860	50	High	0.01	0.090	19.31	21.00	1.476	0.133	/
Body-worn&Hotspot														
Ant.2	QPSK	Front Side	10	18700	1860	1	Mid	-0.09	0.176	21.48	22.00	1.127	0.198	/
Ant.2	QPSK	Front Side	10	18700	1860	50	High	0.11	0.138	20.37	21.00	1.156	0.160	/
Ant.2	QPSK	Back Side	10	18700	1860	1	Mid	-0.01	0.294	21.48	22.00	1.127	0.331	/
Ant.2	QPSK	Back Side	10	18700	1860	50	High	0.01	0.236	20.37	21.00	1.156	0.273	/
Ant.2	QPSK	Right Edge	10	18700	1860	1	Mid	0.03	0.061	21.48	22.00	1.127	0.069	/
Ant.2	QPSK	Right Edge	10	18700	1860	50	High	0.12	0.047	20.37	21.00	1.156	0.054	/
Ant.2	QPSK	Top Edge	10	18700	1860	1	Mid	0.04	0.382	21.48	22.00	1.127	0.431	/
Ant.2	QPSK	Top Edge	10	18700	1860	50	High	0.01	0.302	20.37	21.00	1.156	0.349	/
Ant.1	QPSK	Front Side	10	18900	1880	1	Mid	-0.05	0.244	20.49	22.00	1.416	0.346	/
Ant.1	QPSK	Front Side	10	18700	1860	50	High	-0.03	0.187	19.31	21.00	1.476	0.276	/
Ant.1	QPSK	Back Side	10	18900	1880	1	Mid	-0.06	0.466	20.49	22.00	1.416	**0.660**	12#
Ant.1	QPSK	Back Side	10	18700	1860	50	High	0.04	0.354	19.31	21.00	1.476	0.523	/
Ant.1	QPSK	Left Edge	10	18900	1880	1	Mid	0.10	0.059	20.49	22.00	1.416	0.084	/
Ant.1	QPSK	Left Edge	10	18700	1860	50	High	0.00	0.044	19.31	21.00	1.476	0.065	/
Ant.1	QPSK	Right Edge	10	18900	1880	1	Mid	0.04	0.172	20.49	22.00	1.416	0.244	/
Ant.1	QPSK	Right Edge	10	18700	1860	50	High	-0.06	0.133	19.31	21.00	1.476	0.196	/

Ant.1	QPSK	Bottom Edge	10	18900	1880	1	Mid	-0.06	0.422	20.49	22.00	1.416	0.598	/
Ant.1	QPSK	Bottom Edge	10	18700	1860	50	High	0.01	0.331	19.31	21.00	1.476	0.489	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.7 LTE Band 4 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.2	QPSK	Left Cheek	0	20175	1732.5	1	Mid	0.07	0.421	20.47	21.00	1.130	0.476	/
Ant.2	QPSK	Left Cheek	0	20175	1732.5	50	Mid	0.07	0.342	19.42	20.00	1.143	0.391	/
Ant.2	QPSK	Left Tilt	0	20175	1732.5	1	Mid	0.05	0.501	20.47	21.00	1.130	0.566	/
Ant.2	QPSK	Left Tilt	0	20175	1732.5	50	Mid	-0.02	0.403	19.42	20.00	1.143	0.461	/
Ant.2	QPSK	Right Cheek	0	20175	1732.5	1	Mid	-0.01	0.793	20.47	21.00	1.130	0.896	/
Ant.2	QPSK	Right Cheek	0	20175	1732.5	50	Mid	-0.11	0.648	19.42	20.00	1.143	0.741	/
Ant.2	QPSK	Right Tilt	0	20175	1732.5	1	Mid	-0.06	0.881	20.47	21.00	1.130	**0.996**	13#
Ant.2	QPSK	Right Tilt	0	20175	1732.5	50	Mid	0.05	0.695	19.42	20.00	1.143	0.794	/
Ant.2	QPSK	Right Cheek	0	20050	1720	1	Mid	0.04	0.735	20.46	21.00	1.132	0.832	/
Ant.2	QPSK	Right Cheek	0	20300	1745	1	Mid	-0.06	0.754	20.47	21.00	1.130	0.852	/
Ant.2	QPSK	Right Cheek	0	20300	1745	100	Low	-0.11	0.750	19.43	20.00	1.140	0.855	/
Ant.2	QPSK	Right Tilt	0	20050	1720	1	Mid	0.03	0.827	20.46	21.00	1.132	0.936	/
Ant.2	QPSK	Right Tilt	0	20300	1745	1	Mid	-0.01	0.853	20.47	21.00	1.130	0.964	/
Ant.2	QPSK	Right Tilt	0	20300	1745	100	Low	-0.04	0.853	19.43	20.00	1.140	0.972	/
Ant.1	QPSK	Left Cheek	0	20175	1732.5	1	Mid	0.00	0.043	19.56	20.00	1.107	0.048	/
Ant.1	QPSK	Left Cheek	0	20050	1720	50	Mid	0.03	0.034	18.47	19.00	1.130	0.038	/
Ant.1	QPSK	Left Tilt	0	20175	1732.5	1	Mid	0.1	0.029	19.56	20.00	1.107	0.032	/
Ant.1	QPSK	Left Tilt	0	20050	1720	50	Mid	-0.08	0.023	18.47	19.00	1.130	0.026	/
Ant.1	QPSK	Right Cheek	0	20175	1732.5	1	Mid	-0.12	0.042	19.56	20.00	1.107	0.046	/
Ant.1	QPSK	Right Cheek	0	20050	1720	50	Mid	0.07	0.030	18.47	19.00	1.130	0.034	/
Ant.1	QPSK	Right Tilt	0	20175	1732.5	1	Mid	0.02	0.026	19.56	20.00	1.107	0.029	/
Ant.1	QPSK	Right Tilt	0	20050	1720	50	Mid	-0.12	0.021	18.47	19.00	1.130	0.024	/
Body-worn&Hotspot														
Ant.2	QPSK	Front Side	10	20175	1732.5	1	Mid	0.11	0.185	20.47	21.00	1.130	0.209	/
Ant.2	QPSK	Front Side	10	20175	1732.5	50	Mid	0.05	0.148	19.42	20.00	1.143	0.169	/
Ant.2	QPSK	Back Side	10	20175	1732.5	1	Mid	-0.01	0.226	20.47	21.00	1.130	0.255	/
Ant.2	QPSK	Back Side	10	20175	1732.5	50	Mid	0.09	0.188	19.42	20.00	1.143	0.215	/
Ant.2	QPSK	Right Edge	10	20175	1732.5	1	Mid	0.06	0.071	20.47	21.00	1.130	0.080	/
Ant.2	QPSK	Right Edge	10	20175	1732.5	50	Mid	0.04	0.057	19.42	20.00	1.143	0.065	/
Ant.2	QPSK	Top Edge	10	20175	1732.5	1	Mid	-0.09	0.245	20.47	21.00	1.130	0.277	/
Ant.2	QPSK	Top Edge	10	20175	1732.5	50	Mid	0.13	0.186	19.42	20.00	1.143	0.213	/
Ant.1	QPSK	Front Side	10	20175	1732.5	1	Mid	0.14	0.102	19.56	20.00	1.107	0.113	/
Ant.1	QPSK	Front Side	10	20050	1720	50	Mid	0.03	0.083	18.47	19.00	1.130	0.094	/
Ant.1	QPSK	Back Side	10	20175	1732.5	1	Mid	-0.11	0.231	19.56	20.00	1.107	0.256	/
Ant.1	QPSK	Back Side	10	20050	1720	50	Mid	0.00	0.166	18.47	19.00	1.130	0.188	/
Ant.1	QPSK	Left Edge	10	20175	1732.5	1	Mid	0.04	0.022	19.56	20.00	1.107	0.024	/

Ant.1	QPSK	Left Edge	10	20050	1720	50	Mid	0.06	0.000	18.47	19.00	1.130	0.000	/
Ant.1	QPSK	Right Edge	10	20175	1732.5	1	Mid	-0.10	0.059	19.56	20.00	1.107	0.065	/
Ant.1	QPSK	Right Edge	10	20050	1720	50	Mid	0.09	0.049	18.47	19.00	1.130	0.055	/
Ant.1	QPSK	Bottom Edge	10	20175	1732.5	1	Mid	0.11	0.285	19.56	20.00	1.107	**0.315**	14#
Ant.1	QPSK	Bottom Edge	10	20050	1720	50	Mid	0.07	0.234	18.47	19.00	1.130	0.264	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.8 LTE Band 5 (10MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.2	QPSK	Left Cheek	0	20600	844	1	Mid	-0.06	0.655	23.63	24.00	1.089	0.713	/
Ant.2	QPSK	Left Cheek	0	20525	836.5	25	Low	0.02	0.536	22.50	23.00	1.122	0.601	/
Ant.2	QPSK	Left Tilt	0	20600	844	1	Mid	0.14	0.602	23.63	24.00	1.089	0.656	/
Ant.2	QPSK	Left Tilt	0	20525	836.5	25	Low	-0.02	0.479	22.50	23.00	1.122	0.537	/
Ant.2	QPSK	Right Cheek	0	20600	844	1	Mid	-0.05	0.949	23.63	24.00	1.089	**1.033**	15#
Ant.2	QPSK	Right Cheek	0	20525	836.5	25	Low	-0.03	0.710	22.50	23.00	1.122	0.797	/
Ant.2	QPSK	Right Tilt	0	20600	844	1	Mid	0.00	0.734	23.63	24.00	1.089	0.799	/
Ant.2	QPSK	Right Tilt	0	20525	836.5	25	Low	0.04	0.589	22.50	23.00	1.122	0.661	/
Ant.2	QPSK	Right Cheek	0	20450	829	1	Mid	0.11	0.915	23.52	24.00	1.117	1.022	/
Ant.2	QPSK	Right Cheek	0	20525	836.5	1	Mid	-0.07	0.894	23.62	24.00	1.091	0.975	/
Ant.2	QPSK	Right Cheek	0	20450	829	50	Low	-0.05	0.702	22.45	23.00	1.135	0.797	/
Ant.1	QPSK	Left Cheek	0	20525	836.5	1	Mid	-0.13	0.110	23.18	24.00	1.208	0.133	/
Ant.1	QPSK	Left Cheek	0	20450	829	25	Low	-0.05	0.088	22.09	23.00	1.233	0.109	/
Ant.1	QPSK	Left Tilt	0	20525	836.5	1	Mid	-0.06	0.054	23.18	24.00	1.208	0.065	/
Ant.1	QPSK	Left Tilt	0	20450	829	25	Low	-0.08	0.039	22.09	23.00	1.233	0.048	/
Ant.1	QPSK	Right Cheek	0	20525	836.5	1	Mid	0.04	0.083	23.18	24.00	1.208	0.100	/
Ant.1	QPSK	Right Cheek	0	20450	829	25	Low	-0.13	0.064	22.09	23.00	1.233	0.079	/
Ant.1	QPSK	Right Tilt	0	20525	836.5	1	Mid	-0.05	0.048	23.18	24.00	1.208	0.058	/
Ant.1	QPSK	Right Tilt	0	20450	829	25	Low	0.03	0.037	22.09	23.00	1.233	0.046	/
Body-worn&Hotspot														
Ant.2	QPSK	Front Side	10	20600	844	1	Mid	-0.03	0.133	23.63	24.00	1.089	0.145	/
Ant.2	QPSK	Front Side	10	20525	836.5	25	Low	0.00	0.105	22.50	23.00	1.122	0.118	/
Ant.2	QPSK	Back Side	10	20600	844	1	Mid	-0.11	0.165	23.63	24.00	1.089	0.180	/
Ant.2	QPSK	Back Side	10	20525	836.5	25	Low	0.10	0.129	22.50	23.00	1.122	0.145	/
Ant.2	QPSK	Right Edge	10	20600	844	1	Mid	-0.02	0.088	23.63	24.00	1.089	0.096	/
Ant.2	QPSK	Right Edge	10	20525	836.5	25	Low	0.07	0.071	22.50	23.00	1.122	0.080	/
Ant.2	QPSK	Top Edge	10	20600	844	1	Mid	-0.08	0.171	23.63	24.00	1.089	**0.186**	16#
Ant.2	QPSK	Top Edge	10	20525	836.5	25	Low	0.09	0.136	22.50	23.00	1.122	0.153	/
Ant.1	QPSK	Front Side	10	20525	836.5	1	Mid	0.09	0.095	23.18	24.00	1.208	0.115	/
Ant.1	QPSK	Front Side	10	20450	829	25	Low	0.11	0.076	22.09	23.00	1.233	0.094	/
Ant.1	QPSK	Back Side	10	20525	836.5	1	Mid	-0.07	0.152	23.18	24.00	1.208	0.184	/
Ant.1	QPSK	Back Side	10	20450	829	25	Low	0.00	0.134	22.09	23.00	1.233	0.165	/
Ant.1	QPSK	Left Edge	10	20525	836.5	1	Mid	0.03	0.093	23.18	24.00	1.208	0.112	/
Ant.1	QPSK	Left Edge	10	20450	829	25	Low	0.06	0.076	22.09	23.00	1.233	0.094	/
Ant.1	QPSK	Right Edge	10	20525	836.5	1	Mid	0.02	0.000	23.18	24.00	1.208	0.000	/
Ant.1	QPSK	Right Edge	10	20450	829	25	Low	-0.13	0.000	22.09	23.00	1.233	0.000	/

Ant.1	QPSK	Bottom Edge	10	20525	836.5	1	Mid	-0.06	0.113	23.18	24.00	1.208	0.137	/
Ant.1	QPSK	Bottom Edge	10	20450	829	25	Low	-0.03	0.089	22.09	23.00	1.233	0.110	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.9 LTE Band 7 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.2	QPSK	Left Cheek	0	21100	2535	1	Mid	0.05	0.286	21.62	22.00	1.091	0.312	/
Ant.2	QPSK	Left Cheek	0	20850	2510	50	High	-0.12	0.235	20.49	21.00	1.125	0.264	/
Ant.2	QPSK	Left Tilt	0	21100	2535	1	Mid	0.11	0.360	21.62	22.00	1.091	0.393	/
Ant.2	QPSK	Left Tilt	0	20850	2510	50	High	0.02	0.294	20.49	21.00	1.125	0.331	/
Ant.2	QPSK	Right Cheek	0	21100	2535	1	Mid	0.06	0.635	21.62	22.00	1.091	0.693	/
Ant.2	QPSK	Right Cheek	0	20850	2510	50	High	0.03	0.511	20.49	21.00	1.125	0.575	/
Ant.2	QPSK	Right Tilt	0	21100	2535	1	Mid	-0.09	0.854	21.62	22.00	1.091	0.932	/
Ant.2	QPSK	Right Tilt	0	20850	2510	50	High	-0.13	0.690	20.49	21.00	1.125	0.776	/
Ant.2	QPSK	Right Tilt	0	20850	2510	1	Mid	0.08	0.845	21.62	22.00	1.091	0.922	/
Ant.2	QPSK	Right Tilt	0	21350	2560	1	Mid	0.08	0.866	21.53	22.00	1.114	**0.965**	17#
Ant.2	QPSK	Right Tilt	0	20850	2510	100	Low	-0.06	0.691	20.45	21.00	1.135	0.784	/
Ant.1	QPSK	Left Cheek	0	21350	2560	1	Mid	-0.02	0.064	21.45	22.00	1.135	0.073	/
Ant.1	QPSK	Left Cheek	0	20850	2510	50	High	-0.05	0.051	20.31	21.00	1.172	0.060	/
Ant.1	QPSK	Left Tilt	0	21350	2560	1	Mid	0.10	0.052	21.45	22.00	1.135	0.059	/
Ant.1	QPSK	Left Tilt	0	20850	2510	50	High	0.09	0.041	20.31	21.00	1.172	0.048	/
Ant.1	QPSK	Right Cheek	0	21350	2560	1	Mid	0.05	0.049	21.45	22.00	1.135	0.056	/
Ant.1	QPSK	Right Cheek	0	20850	2510	50	High	-0.05	0.038	20.31	21.00	1.172	0.045	/
Ant.1	QPSK	Right Tilt	0	21350	2560	1	Mid	-0.01	0.036	21.45	22.00	1.135	0.041	/
Ant.1	QPSK	Right Tilt	0	20850	2510	50	High	-0.09	0.033	20.31	21.00	1.172	0.039	/
Body-worn&Hotspot														
Ant.2	QPSK	Front Side	10	21100	2535	1	Mid	-0.03	0.159	21.62	22.00	1.091	0.173	/
Ant.2	QPSK	Front Side	10	20850	2510	50	High	-0.01	0.128	20.49	21.00	1.125	0.144	/
Ant.2	QPSK	Back Side	10	21100	2535	1	Mid	0.09	0.535	21.62	22.00	1.091	0.584	/
Ant.2	QPSK	Back Side	10	20850	2510	50	High	0.05	0.415	20.49	21.00	1.125	0.467	/
Ant.2	QPSK	Right Edge	10	21100	2535	1	Mid	0.13	0.098	21.62	22.00	1.091	0.107	/
Ant.2	QPSK	Right Edge	10	20850	2510	50	High	0.12	0.077	20.49	21.00	1.125	0.087	/
Ant.2	QPSK	Top Edge	10	21100	2535	1	Mid	0.10	0.471	21.62	22.00	1.091	0.514	/
Ant.2	QPSK	Top Edge	10	20850	2510	50	High	0.09	0.377	20.49	21.00	1.125	0.424	/
Ant.1	QPSK	Front Side	10	21350	2560	1	Mid	-0.13	0.217	21.45	22.00	1.135	0.246	/
Ant.1	QPSK	Front Side	10	20850	2510	50	High	-0.03	0.172	20.31	21.00	1.172	0.202	/
Ant.1	QPSK	Back Side	10	21350	2560	1	Mid	-0.06	0.568	21.45	22.00	1.135	0.645	/
Ant.1	QPSK	Back Side	10	20850	2510	50	High	-0.11	0.488	20.31	21.00	1.172	0.572	/
Ant.1	QPSK	Left Edge	10	21350	2560	1	Mid	0.02	0.144	21.45	22.00	1.135	0.163	/
Ant.1	QPSK	Left Edge	10	20850	2510	50	High	0.10	0.176	20.31	21.00	1.172	0.206	/
Ant.1	QPSK	Right Edge	10	21350	2560	1	Mid	0.04	0.103	21.45	22.00	1.135	0.117	/
Ant.1	QPSK	Right Edge	10	20850	2510	50	High	0.14	0.090	20.31	21.00	1.172	0.105	/

Ant.1	QPSK	Bottom Edge	10	21350	2560	1	Mid	-0.01	0.648	21.45	22.00	1.135	**0.735**	18#
Ant.1	QPSK	Bottom Edge	10	20850	2510	50	High	-0.12	0.492	20.31	21.00	1.172	0.577	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.10 LTE Band 12 (10MHz Bandwidth)

Antenna	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.2	QPSK	Left Cheek	0	23130	711	1	Mid	-0.07	0.419	23.70	24.50	1.202	0.504	/
Ant.2	QPSK	Left Cheek	0	23060	704	25	High	0.00	0.340	22.60	23.50	1.230	0.418	/
Ant.2	QPSK	Left Tilt	0	23130	711	1	Mid	-0.03	0.377	23.70	24.50	1.202	0.453	/
Ant.2	QPSK	Left Tilt	0	23060	704	25	High	0.10	0.305	22.60	23.50	1.230	0.375	/
Ant.2	QPSK	Right Cheek	0	23130	711	1	Mid	-0.01	0.661	23.70	24.50	1.202	**0.795**	19#
Ant.2	QPSK	Right Cheek	0	23060	704	25	High	0.08	0.530	22.60	23.50	1.230	0.652	/
Ant.2	QPSK	Right Tilt	0	23130	711	1	Mid	0.07	0.497	23.70	24.50	1.202	0.597	/
Ant.2	QPSK	Right Tilt	0	23060	704	25	High	-0.13	0.395	22.60	23.50	1.230	0.486	/
Ant.1	QPSK	Left Cheek	0	23060	704	1	Mid	-0.01	0.101	23.84	24.50	1.164	0.118	/
Ant.1	QPSK	Left Cheek	0	23060	704	25	High	-0.05	0.079	22.68	23.50	1.208	0.095	/
Ant.1	QPSK	Left Tilt	0	23060	704	1	Mid	-0.01	0.048	23.84	24.50	1.164	0.056	/
Ant.1	QPSK	Left Tilt	0	23060	704	25	High	0.02	0.025	22.68	23.50	1.208	0.030	/
Ant.1	QPSK	Right Cheek	0	23060	704	1	Mid	0.02	0.098	23.84	24.50	1.164	0.114	/
Ant.1	QPSK	Right Cheek	0	23060	704	25	High	-0.10	0.072	22.68	23.50	1.208	0.087	/
Ant.1	QPSK	Right Tilt	0	23060	704	1	Mid	-0.13	0.039	23.84	24.50	1.164	0.045	/
Ant.1	QPSK	Right Tilt	0	23060	704	25	High	-0.12	0.018	22.68	23.50	1.208	0.022	/
Body-worn&Hotspot														
Ant.2	QPSK	Front Side	10	23130	711	1	Mid	0.10	0.130	23.70	24.50	1.202	0.156	/
Ant.2	QPSK	Front Side	10	23060	704	25	High	-0.04	0.104	22.60	23.50	1.230	0.128	/
Ant.2	QPSK	Back Side	10	23130	711	1	Mid	-0.06	0.192	23.70	24.50	1.202	**0.231**	20#
Ant.2	QPSK	Back Side	10	23060	704	25	High	-0.08	0.154	22.60	23.50	1.230	0.189	/
Ant.2	QPSK	Right Edge	10	23130	711	1	Mid	0.12	0.175	23.70	24.50	1.202	0.210	/
Ant.2	QPSK	Right Edge	10	23060	704	25	High	0.04	0.156	22.60	23.50	1.230	0.192	/
Ant.2	QPSK	Top Edge	10	23130	711	1	Mid	0.13	0.121	23.70	24.50	1.202	0.145	/
Ant.2	QPSK	Top Edge	10	23060	704	25	High	-0.05	0.092	22.60	23.50	1.230	0.113	/
Ant.1	QPSK	Front Side	10	23060	704	1	Mid	-0.08	0.120	23.84	24.50	1.164	0.140	/
Ant.1	QPSK	Front Side	10	23060	704	25	High	0.04	0.096	22.68	23.50	1.208	0.116	/
Ant.1	QPSK	Back Side	10	23060	704	1	Mid	0.03	0.162	23.84	24.50	1.164	0.189	/
Ant.1	QPSK	Back Side	10	23060	704	25	High	-0.03	0.130	22.68	23.50	1.208	0.157	/
Ant.1	QPSK	Left Edge	10	23060	704	1	Mid	-0.06	0.186	23.84	24.50	1.164	0.217	/
Ant.1	QPSK	Left Edge	10	23060	704	25	High	-0.11	0.147	22.68	23.50	1.208	0.178	/
Ant.1	QPSK	Right Edge	10	23060	704	1	Mid	0.06	0.082	23.84	24.50	1.164	0.095	/
Ant.1	QPSK	Right Edge	10	23060	704	25	High	0.14	0.068	22.68	23.50	1.208	0.082	/
Ant.1	QPSK	Bottom Edge	10	23060	704	1	Mid	-0.07	0.118	23.84	24.50	1.164	0.137	/
Ant.1	QPSK	Bottom Edge	10	23060	704	25	High	-0.12	0.090	22.68	23.50	1.208	0.109	/

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

10.11 LTE Band 17 (20MHz Bandwidth)

Antenna	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.2	QPSK	Left Cheek	0	23790	710	1	Mid	0.07	0.421	23.72	24.50	1.197	0.504	/
Ant.2	QPSK	Left Cheek	0	23800	711	25	Low	-0.12	0.346	22.56	23.50	1.242	0.430	/
Ant.2	QPSK	Left Tilt	0	23790	710	1	Mid	0.01	0.389	23.72	24.50	1.197	0.466	/
Ant.2	QPSK	Left Tilt	0	23800	711	25	Low	0.05	0.316	22.56	23.50	1.242	0.392	/
Ant.2	QPSK	Right Cheek	0	23790	710	1	Mid	-0.01	0.657	23.72	24.50	1.197	**0.786**	21#
Ant.2	QPSK	Right Cheek	0	23800	711	25	Low	-0.09	0.518	22.56	23.50	1.242	0.643	/
Ant.2	QPSK	Right Tilt	0	23790	710	1	Mid	0.06	0.488	23.72	24.50	1.197	0.584	/
Ant.2	QPSK	Right Tilt	0	23800	711	25	Low	-0.07	0.392	22.56	23.50	1.242	0.487	/
Ant.1	QPSK	Left Cheek	0	23800	711	1	Mid	0.07	0.080	23.76	24.50	1.186	0.095	/
Ant.1	QPSK	Left Cheek	0	23800	711	25	Low	-0.05	0.055	22.57	23.50	1.239	0.068	/
Ant.1	QPSK	Left Tilt	0	23800	711	1	Mid	0.12	0.048	23.76	24.50	1.186	0.057	/
Ant.1	QPSK	Left Tilt	0	23800	711	25	Low	0.04	0.033	22.57	23.50	1.239	0.041	/
Ant.1	QPSK	Right Cheek	0	23800	711	1	Mid	0.03	0.067	23.76	24.50	1.186	0.079	/
Ant.1	QPSK	Right Cheek	0	23800	711	25	Low	-0.10	0.052	22.57	23.50	1.239	0.064	/
Ant.1	QPSK	Right Tilt	0	23800	711	1	Mid	-0.10	0.042	23.76	24.50	1.186	0.050	/
Ant.1	QPSK	Right Tilt	0	23800	711	25	Low	-0.03	0.030	22.57	23.50	1.239	0.037	/
Body-worn&Hotspot														
Ant.2	QPSK	Front Side	10	23790	710	1	Mid	-0.12	0.131	23.72	24.50	1.197	0.157	/
Ant.2	QPSK	Front Side	10	23800	711	25	Low	-0.06	0.104	22.56	23.50	1.242	0.129	/
Ant.2	QPSK	Back Side	10	23790	710	1	Mid	-0.06	0.187	23.72	24.50	1.197	**0.224**	22#
Ant.2	QPSK	Back Side	10	23800	711	25	Low	0.07	0.150	22.56	23.50	1.242	0.186	/
Ant.2	QPSK	Right Edge	10	23790	710	1	Mid	-0.01	0.134	23.72	24.50	1.197	0.160	/
Ant.2	QPSK	Right Edge	10	23800	711	25	Low	0.00	0.109	22.56	23.50	1.242	0.135	/
Ant.2	QPSK	Top Edge	10	23790	710	1	Mid	0.04	0.109	23.72	24.50	1.197	0.130	/
Ant.2	QPSK	Top Edge	10	23800	711	25	Low	0.13	0.104	22.56	23.50	1.242	0.129	/
Ant.1	QPSK	Front Side	10	23800	711	1	Mid	0.05	0.120	23.76	24.50	1.186	0.142	/
Ant.1	QPSK	Front Side	10	23800	711	25	Low	0.05	0.097	22.57	23.50	1.239	0.120	/
Ant.1	QPSK	Back Side	10	23800	711	1	Mid	0.08	0.164	23.76	24.50	1.186	0.195	/
Ant.1	QPSK	Back Side	10	23800	711	25	Low	-0.06	0.132	22.57	23.50	1.239	0.164	/
Ant.1	QPSK	Left Edge	10	23800	711	1	Mid	-0.05	0.137	23.76	24.50	1.186	0.162	/
Ant.1	QPSK	Left Edge	10	23800	711	25	Low	0.10	0.115	22.57	23.50	1.239	0.142	/
Ant.1	QPSK	Right Edge	10	23800	711	1	Mid	0.02	0.060	23.76	24.50	1.186	0.071	/
Ant.1	QPSK	Right Edge	10	23800	711	25	Low	-0.13	0.049	22.57	23.50	1.239	0.061	/
Ant.1	QPSK	Bottom Edge	10	23800	711	1	Mid	-0.12	0.121	23.76	24.50	1.186	0.144	/
Ant.1	QPSK	Bottom Edge	10	23800	711	25	Low	-0.07	0.098	22.57	23.50	1.239	0.121	/

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

10.12 LTE Band 66 (20MHz Bandwidth)

Antenna	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.2	QPSK	Left Cheek	0	132072	1720	1	Mid	0.13	0.323	19.61	20.00	1.094	0.353	/
Ant.2	QPSK	Left Cheek	0	132572	1770	50	Low	-0.01	0.260	18.45	19.00	1.135	0.295	/
Ant.2	QPSK	Left Tilt	0	132072	1720	1	Mid	0.06	0.384	19.61	20.00	1.094	0.420	/
Ant.2	QPSK	Left Tilt	0	132572	1770	50	Low	0.00	0.311	18.45	19.00	1.135	0.353	/
Ant.2	QPSK	Right Cheek	0	132072	1720	1	Mid	0.02	0.720	19.61	20.00	1.094	0.788	/
Ant.2	QPSK	Right Cheek	0	132572	1770	50	Low	0.10	0.572	18.45	19.00	1.135	0.649	/
Ant.2	QPSK	Right Tilt	0	132072	1720	1	Mid	-0.03	0.730	19.61	20.00	1.094	**0.799**	23#
Ant.2	QPSK	Right Tilt	0	132572	1770	50	Low	0.00	0.588	18.45	19.00	1.135	0.667	/
Ant.1	QPSK	Left Cheek	0	132072	1720	1	Mid	0.09	0.032	18.72	20.00	1.343	0.043	/
Ant.1	QPSK	Left Cheek	0	132072	1720	50	Mid	0.14	0.026	17.49	19.00	1.416	0.037	/
Ant.1	QPSK	Left Tilt	0	132072	1720	1	Mid	0.01	0.020	18.72	20.00	1.343	0.027	/
Ant.1	QPSK	Left Tilt	0	132072	1720	50	Mid	0.04	0.017	17.49	19.00	1.416	0.024	/
Ant.1	QPSK	Right Cheek	0	132072	1720	1	Mid	0.09	0.030	18.72	20.00	1.343	0.040	/
Ant.1	QPSK	Right Cheek	0	132072	1720	50	Mid	0.03	0.024	17.49	19.00	1.416	0.034	/
Ant.1	QPSK	Right Tilt	0	132072	1720	1	Mid	-0.11	0.019	18.72	20.00	1.343	0.026	/
Ant.1	QPSK	Right Tilt	0	132072	1720	50	Mid	-0.07	0.015	17.49	19.00	1.416	0.021	/
Body-worn&Hotspot														
Ant.2	QPSK	Front Side	10	132072	1720	1	Mid	0.12	0.119	19.61	20.00	1.094	0.130	/
Ant.2	QPSK	Front Side	10	132572	1770	50	Low	-0.12	0.087	18.45	19.00	1.135	0.099	/
Ant.2	QPSK	Back Side	10	132072	1720	1	Mid	-0.09	0.175	19.61	20.00	1.094	0.191	/
Ant.2	QPSK	Back Side	10	132572	1770	50	Low	0.07	0.142	18.45	19.00	1.135	0.161	/
Ant.2	QPSK	Right Edge	10	132072	1720	1	Mid	-0.05	0.041	19.61	20.00	1.094	0.045	/
Ant.2	QPSK	Right Edge	10	132572	1770	50	Low	-0.12	0.031	18.45	19.00	1.135	0.035	/
Ant.2	QPSK	Top Edge	10	132072	1720	1	Mid	-0.06	0.210	19.61	20.00	1.094	0.230	/
Ant.2	QPSK	Top Edge	10	132572	1770	50	Low	0.14	0.166	18.45	19.00	1.135	0.188	/
Ant.1	QPSK	Front Side	10	132072	1720	1	Mid	0.06	0.071	18.72	20.00	1.343	0.095	/
Ant.1	QPSK	Front Side	10	132072	1720	50	Mid	-0.06	0.056	17.49	19.00	1.416	0.079	/
Ant.1	QPSK	Back Side	10	132072	1720	1	Mid	0.09	0.169	18.72	20.00	1.343	0.227	/
Ant.1	QPSK	Back Side	10	132072	1720	50	Mid	0.00	0.130	17.49	19.00	1.416	0.184	/
Ant.1	QPSK	Left Edge	10	132072	1720	1	Mid	-0.08	0.021	18.72	20.00	1.343	0.028	/
Ant.1	QPSK	Left Edge	10	132072	1720	50	Mid	0.06	0.015	17.49	19.00	1.416	0.021	/
Ant.1	QPSK	Right Edge	10	132072	1720	1	Mid	-0.12	0.044	18.72	20.00	1.343	0.059	/
Ant.1	QPSK	Right Edge	10	132072	1720	50	Mid	0.04	0.036	17.49	19.00	1.416	0.051	/
Ant.1	QPSK	Bottom Edge	10	132072	1720	1	Mid	-0.05	0.217	18.72	20.00	1.343	**0.291**	24#
Ant.1	QPSK	Bottom Edge	10	132072	1720	50	Mid	0.04	0.166	17.49	19.00	1.416	0.235	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.13 LTE Band 38 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.2	QPSK	Left Cheek	0	37850	2580	1	Mid	0.11	0.306	23.19	24.00	1.205	0.369	/
Ant.2	QPSK	Left Cheek	0	37850	2580	50	Mid	0.04	0.234	21.95	23.00	1.274	0.298	/
Ant.2	QPSK	Left Tilt	0	37850	2580	1	Mid	-0.11	0.349	23.19	24.00	1.205	0.421	/
Ant.2	QPSK	Left Tilt	0	37850	2580	50	Mid	-0.12	0.295	21.95	23.00	1.274	0.376	/
Ant.2	QPSK	Right Cheek	0	37850	2580	1	Mid	0.02	0.612	23.19	24.00	1.205	0.737	/
Ant.2	QPSK	Right Cheek	0	37850	2580	50	Mid	-0.11	0.492	21.95	23.00	1.274	0.627	/
Ant.2	QPSK	Right Tilt	0	37850	2580	1	Mid	0.02	0.832	23.19	24.00	1.205	**1.003**	25#
Ant.2	QPSK	Right Tilt	0	37850	2580	50	Mid	0.03	0.664	21.95	23.00	1.274	0.846	/
Ant.2	QPSK	Right Tilt	0	38000	2595	1	Mid	0.07	0.810	23.10	24.00	1.230	0.996	/
Ant.2	QPSK	Right Tilt	0	38150	2610	1	Mid	0.01	0.794	23.11	24.00	1.227	0.974	/
Ant.2	QPSK	Right Tilt	0	38000	2595	50	Mid	0.06	0.650	21.86	23.00	1.300	0.845	/
Ant.2	QPSK	Right Tilt	0	38150	2610	50	Mid	-0.05	0.631	21.73	23.00	1.340	0.846	/
Ant.2	QPSK	Right Tilt	0	37850	2580	100	Low	0.02	0.627	21.92	23.00	1.282	0.804	/
Ant.1	QPSK	Left Cheek	0	38150	2610	1	Mid	0.03	0.082	22.86	24.00	1.300	0.107	/
Ant.1	QPSK	Left Cheek	0	37850	2580	50	Mid	-0.07	0.063	21.59	23.00	1.384	0.087	/
Ant.1	QPSK	Left Tilt	0	38150	2610	1	Mid	-0.08	0.050	22.86	24.00	1.300	0.065	/
Ant.1	QPSK	Left Tilt	0	37850	2580	50	Mid	-0.07	0.038	21.59	23.00	1.384	0.053	/
Ant.1	QPSK	Right Cheek	0	38150	2610	1	Mid	0.14	0.078	22.86	24.00	1.300	0.101	/
Ant.1	QPSK	Right Cheek	0	37850	2580	50	Mid	-0.05	0.059	21.59	23.00	1.384	0.082	/
Ant.1	QPSK	Right Tilt	0	38150	2610	1	Mid	-0.08	0.042	22.86	24.00	1.300	0.055	/
Ant.1	QPSK	Right Tilt	0	37850	2580	50	Mid	0.05	0.028	21.59	23.00	1.384	0.039	/
Body-worn&Hotspot														
Ant.2	QPSK	Front Side	10	37850	2580	1	Mid	-0.04	0.183	23.19	24.00	1.205	0.221	/
Ant.2	QPSK	Front Side	10	37850	2580	50	Mid	0.05	0.133	21.95	23.00	1.274	0.169	/
Ant.2	QPSK	Back Side	10	37850	2580	1	Mid	0.09	0.709	23.19	24.00	1.205	0.854	/
Ant.2	QPSK	Back Side	10	37850	2580	50	Mid	0.10	0.476	21.95	23.00	1.274	0.606	/
Ant.2	QPSK	Right Edge	10	37850	2580	1	Mid	-0.04	0.098	23.19	24.00	1.205	0.118	/
Ant.2	QPSK	Right Edge	10	37850	2580	50	Mid	0.14	0.079	21.95	23.00	1.274	0.101	/
Ant.2	QPSK	Top Edge	10	37850	2580	1	Mid	0.12	0.437	23.19	24.00	1.205	0.527	/
Ant.2	QPSK	Top Edge	10	37850	2580	50	Mid	-0.04	0.379	21.95	23.00	1.274	0.483	/
Ant.1	QPSK	Front Side	10	38150	2610	1	Mid	0.09	0.241	22.86	24.00	1.300	0.313	/
Ant.1	QPSK	Front Side	10	37850	2580	50	Mid	0.05	0.191	21.59	23.00	1.384	0.264	/
Ant.1	QPSK	Back Side	10	38150	2610	1	Mid	0.01	0.711	22.86	24.00	1.300	0.924	/
Ant.1	QPSK	Back Side	10	37850	2580	50	Mid	0.13	0.568	21.59	23.00	1.384	0.786	/
Ant.1	QPSK	Left Edge	10	38150	2610	1	Mid	0.04	0.120	22.86	24.00	1.300	0.156	/
Ant.1	QPSK	Left Edge	10	37850	2580	50	Mid	-0.02	0.102	21.59	23.00	1.384	0.141	/

Ant.1	QPSK	Right Edge	10	38150	2610	1	Mid	0.07	0.172	22.86	24.00	1.300	0.224	/
Ant.1	QPSK	Right Edge	10	37850	2580	50	Mid	0.12	0.127	21.59	23.00	1.384	0.176	/
Ant.1	QPSK	Bottom Edge	10	38150	2610	1	Mid	-0.09	0.810	22.86	24.00	1.300	1.053	/
Ant.1	QPSK	Bottom Edge	10	37850	2580	50	Mid	0.00	0.688	21.59	23.00	1.384	0.952	/
Ant.1	QPSK	Back Side	10	37850	2580	1	Mid	0.13	0.709	22.80	24.00	1.318	0.934	/
Ant.1	QPSK	Back Side	10	38000	2595	1	Mid	-0.10	0.683	22.77	24.00	1.327	0.906	/
Ant.1	QPSK	Back Side	10	37850	2580	100	Low	0.10	0.581	21.56	23.00	1.393	0.809	/
Ant.1	QPSK	Bottom Edge	10	37850	2580	1	Mid	-0.02	0.829	22.80	24.00	1.318	**1.093**	26#
Ant.1	QPSK	Bottom Edge	10	38000	2595	1	Mid	-0.08	0.802	22.77	24.00	1.327	1.064	/
Ant.1	QPSK	Bottom Edge	10	38000	2595	50	Mid	-0.04	0.679	21.53	23.00	1.403	0.953	/
Ant.1	QPSK	Bottom Edge	10	38150	2610	50	Low	0.04	0.676	21.52	23.00	1.406	0.950	/
Ant.1	QPSK	Bottom Edge	10	37850	2580	100	Low	0.09	0.683	21.56	23.00	1.393	0.951	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.14 LTE Band 41 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.2	QPSK	Left Cheek	0	40140	2545	1	Mid	0.08	0.277	22.62	23.00	1.091	0.302	/
Ant.2	QPSK	Left Cheek	0	40140	2545	50	High	-0.02	0.221	21.51	22.00	1.119	0.247	/
Ant.2	QPSK	Left Tilt	0	40140	2545	1	Mid	0.10	0.338	22.62	23.00	1.091	0.369	/
Ant.2	QPSK	Left Tilt	0	40140	2545	50	High	0.01	0.275	21.51	22.00	1.119	0.308	/
Ant.2	QPSK	Right Cheek	0	40140	2545	1	Mid	-0.04	0.587	22.62	23.00	1.091	0.640	/
Ant.2	QPSK	Right Cheek	0	40140	2545	50	High	0.03	0.469	21.51	22.00	1.119	0.525	/
Ant.2	QPSK	Right Tilt	0	40140	2545	1	Mid	-0.11	0.794	22.62	23.00	1.091	0.866	/
Ant.2	QPSK	Right Tilt	0	40140	2545	50	High	-0.08	0.634	21.51	22.00	1.119	0.709	/
Ant.2	QPSK	Right Tilt	0	40640	2595	1	Mid	0.09	0.790	22.45	23.00	1.135	**0.897**	27#
Ant.2	QPSK	Right Tilt	0	41140	2645	1	Mid	0.13	0.768	22.36	23.00	1.159	0.890	/
Ant.2	QPSK	Right Tilt	0	40140	2545	100	Low	-0.08	0.640	21.44	22.00	1.138	0.728	/
Ant.1	QPSK	Left Cheek	0	40640	2595	1	Mid	-0.10	0.055	22.53	23.00	1.114	0.061	/
Ant.1	QPSK	Left Cheek	0	40140	2545	50	Mid	0.09	0.045	21.39	22.00	1.151	0.052	/
Ant.1	QPSK	Left Tilt	0	40640	2595	1	Mid	0.08	0.037	22.53	23.00	1.114	0.041	/
Ant.1	QPSK	Left Tilt	0	40140	2545	50	Mid	-0.13	0.030	21.39	22.00	1.151	0.035	/
Ant.1	QPSK	Right Cheek	0	40640	2595	1	Mid	-0.04	0.053	22.53	23.00	1.114	0.059	/
Ant.1	QPSK	Right Cheek	0	40140	2545	50	Mid	-0.05	0.041	21.39	22.00	1.151	0.047	/
Ant.1	QPSK	Right Tilt	0	40640	2595	1	Mid	-0.11	0.033	22.53	23.00	1.114	0.037	/
Ant.1	QPSK	Right Tilt	0	40140	2545	50	Mid	-0.08	0.027	21.39	22.00	1.151	0.031	/
Body-worn&Hotspot														
Ant.2	QPSK	Front Side	10	40140	2545	1	Mid	0.04	0.155	22.62	23.00	1.091	0.169	/
Ant.2	QPSK	Front Side	10	40140	2545	50	High	-0.06	0.123	21.51	22.00	1.119	0.138	/
Ant.2	QPSK	Back Side	10	40140	2545	1	Mid	-0.10	0.553	22.62	23.00	1.091	0.603	/
Ant.2	QPSK	Back Side	10	40140	2545	50	High	0.13	0.455	21.51	22.00	1.119	0.509	/
Ant.2	QPSK	Right Edge	10	40140	2545	1	Mid	-0.11	0.088	22.62	23.00	1.091	0.096	/
Ant.2	QPSK	Right Edge	10	40140	2545	50	High	-0.01	0.065	21.51	22.00	1.119	0.073	/
Ant.2	QPSK	Top Edge	10	40140	2545	1	Mid	0.00	0.407	22.62	23.00	1.091	0.444	/
Ant.2	QPSK	Top Edge	10	40140	2545	50	High	-0.11	0.330	21.51	22.00	1.119	0.369	/
Ant.1	QPSK	Front Side	10	40640	2595	1	Mid	-0.09	0.297	22.53	23.00	1.114	0.331	/
Ant.1	QPSK	Front Side	10	40140	2545	50	Mid	0.11	0.231	21.39	22.00	1.151	0.266	/
Ant.1	QPSK	Back Side	10	40640	2595	1	Mid	0.00	0.711	22.53	23.00	1.114	0.792	/
Ant.1	QPSK	Back Side	10	40140	2545	50	Mid	0.06	0.558	21.39	22.00	1.151	0.642	/
Ant.1	QPSK	Left Edge	10	40640	2595	1	Mid	-0.12	0.094	22.53	23.00	1.114	0.105	/
Ant.1	QPSK	Left Edge	10	40140	2545	50	Mid	-0.12	0.075	21.39	22.00	1.151	0.086	/
Ant.1	QPSK	Right Edge	10	40640	2595	1	Mid	0.04	0.128	22.53	23.00	1.114	0.143	/
Ant.1	QPSK	Right Edge	10	40140	2545	50	Mid	0.02	0.105	21.39	22.00	1.151	0.121	/

Ant.1	QPSK	Bottom Edge	10	40640	2595	1	Mid	-0.04	0.855	22.53	23.00	1.114	**0.952**	28#
Ant.1	QPSK	Bottom Edge	10	40140	2545	50	Mid	-0.01	0.546	21.39	22.00	1.151	0.628	/
Ant.1	QPSK	Bottom Edge	10	40140	2545	1	Mid	0.05	0.765	22.43	23.00	1.140	0.872	/
Ant.1	QPSK	Bottom Edge	10	41140	2645	1	Mid	0.03	0.743	22.21	23.00	1.199	0.891	/
Ant.1	QPSK	Bottom Edge	10	40140	2545	100	Low	0.02	0.685	21.28	22.00	1.180	0.808	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.15 WIFI 2.4GHz

Antenna	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.4	802.11 b	Left Cheek	0	11	2462	-0.03	0.550	17.96	18.00	1.009	99.40	1.006	**0.558**	29#
	802.11 b	Left Tilt	0	11	2462	-0.13	0.321	17.96	18.00	1.009	99.40	1.006	0.326	/
	802.11 b	Right Cheek	0	11	2462	0.14	0.201	17.96	18.00	1.009	99.40	1.006	0.204	/
	802.11 b	Right Tilt	0	11	2462	0.00	0.118	17.96	18.00	1.009	99.40	1.006	0.120	/
Body-worn&Hotspot														
Ant.4	802.11 b	Front Side	10	11	2462	-0.12	0.090	17.96	18.00	1.009	99.40	1.006	0.091	/
	802.11 b	Back Side	10	11	2462	-0.07	0.211	17.96	18.00	1.009	99.40	1.006	**0.214**	30#
	802.11 b	Left Edge	10	11	2462	0.10	0.101	17.96	18.00	1.009	99.40	1.006	0.103	/
	802.11 b	Top Edge	10	11	2462	-0.03	0.119	17.96	18.00	1.009	99.40	1.006	0.121	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.16 WIFI 5GHz

Antenna	Band	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.4	5.3G	802.11 n40	Left Cheek	0	54	5270	0.04	0.271	14.47	15.00	1.130	95.90	1.043	**0.319**	31#
	5.3G	802.11 n40	Left Tilt	0	54	5270	-0.04	0.159	14.47	15.00	1.130	95.90	1.043	0.187	/
	5.3G	802.11 n40	Right Cheek	0	54	5270	0.07	0.142	14.47	15.00	1.130	95.90	1.043	0.167	/
	5.3G	802.11 n40	Right Tilt	0	54	5270	0.12	0.082	14.47	15.00	1.130	95.90	1.043	0.097	/
Ant.4	5.6G	802.11 n40	Left Cheek	0	134	5670	-0.05	0.527	14.78	15.00	1.052	95.90	1.043	**0.578**	32#
	5.6G	802.11 n40	Left Tilt	0	134	5670	0.00	0.369	14.78	15.00	1.052	95.90	1.043	0.405	/
	5.6G	802.11 n40	Right Cheek	0	134	5670	-0.04	0.280	14.78	15.00	1.052	95.90	1.043	0.307	/
	5.6G	802.11 n40	Right Tilt	0	134	5670	0.11	0.136	14.78	15.00	1.052	95.90	1.043	0.149	/
Ant.4	5.8G	802.11 n40	Left Cheek	0	151	5755	0.03	0.498	14.90	15.00	1.023	95.90	1.043	**0.531**	33#
	5.8G	802.11 n40	Left Tilt	0	151	5755	0.07	0.364	14.90	15.00	1.023	95.90	1.043	0.388	/
	5.8G	802.11 n40	Right Cheek	0	151	5755	0.09	0.218	14.90	15.00	1.023	95.90	1.043	0.233	/
	5.8G	802.11 n40	Right Tilt	0	151	5755	-0.02	0.160	14.90	15.00	1.023	95.90	1.043	0.171	/
Body-worn															
Ant.4	5.3G	802.11 n40	Front Side	10	54	5270	0.04	0.099	14.47	15.00	1.130	95.90	1.043	0.117	/
	5.3G	802.11 n40	Back Side	10	54	5270	0.03	0.239	14.47	15.00	1.130	95.90	1.043	**0.282**	34#
Ant.4	5.6G	802.11 n40	Front Side	10	134	5670	-0.05	0.116	14.78	15.00	1.052	95.90	1.043	0.127	/
	5.6G	802.11 n40	Back Side	10	134	5670	0.08	0.218	14.78	15.00	1.052	95.90	1.043	**0.239**	35#
Hotspot															
Ant.4	5.2G	802.11 n40	Front Side	10	38	5190	0.09	0.076	14.72	15.00	1.067	95.90	1.043	0.085	/
	5.2G	802.11 n40	Back Side	10	38	5190	0.02	0.157	14.72	15.00	1.067	95.90	1.043	0.175	/
	5.2G	802.11 n40	Left Edge	10	38	5190	-0.10	0.071	14.72	15.00	1.067	95.90	1.043	0.079	/
	5.2G	802.11 n40	Top Edge	10	38	5190	0.09	0.193	14.72	15.00	1.067	95.90	1.043	**0.215**	36#
Ant.4	5.8G	802.11 n40	Front Side	10	151	5755	-0.13	0.082	14.90	15.00	1.023	95.90	1.043	0.087	/
	5.8G	802.11 n40	Back Side	10	151	5755	-0.06	0.184	14.90	15.00	1.023	95.90	1.043	0.196	/
	5.8G	802.11 n40	Left Edge	10	151	5755	0.09	0.137	14.90	15.00	1.023	95.90	1.043	0.146	/
	5.8G	802.11 n40	Top Edge	10	151	5755	0.05	0.192	14.90	15.00	1.023	95.90	1.043	**0.205**	37#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Band	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	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.4	5.3G	802.11 n40	Front Side	0	54	5270	-0.11	0.145	14.47	15.00	1.130	95.90	1.043	0.171	/
	5.3G	802.11 n40	Back Side	0	54	5270	-0.05	0.269	14.47	15.00	1.130	95.90	1.043	0.317	/
	5.3G	802.11 n40	Left Edge	0	54	5270	-0.03	0.108	14.47	15.00	1.130	95.90	1.043	0.127	/
	5.3G	802.11 n40	Top Edge	0	54	5270	0.06	0.364	14.47	15.00	1.130	95.90	1.043	**0.429**	38#
Ant.4	5.6G	802.11 n40	Front Side	0	134	5670	-0.02	0.248	14.78	15.00	1.052	95.90	1.043	0.272	/
	5.6G	802.11 n40	Back Side	0	134	5670	0.02	0.265	14.78	15.00	1.052	95.90	1.043	0.291	/
	5.6G	802.11 n40	Left Edge	0	134	5670	-0.04	0.205	14.78	15.00	1.052	95.90	1.043	0.225	/
	5.6G	802.11 n40	Top Edge	0	134	5670	0.06	0.472	14.78	15.00	1.052	95.90	1.043	**0.518**	39#
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.17 Bluetooth

Antenna	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.4	DH5	Left Cheek	0	78	2480	0.04	0.088	9.29	11.00	1.483	76.88	1.301	**0.170**	40#
Ant.4	DH5	Left Tilt	0	78	2480	-0.06	0.055	9.29	11.00	1.483	76.88	1.301	0.106	/
Ant.4	DH5	Right Cheek	0	78	2480	0.13	0.028	9.29	11.00	1.483	76.88	1.301	0.054	/
Ant.4	DH5	Right Tilt	0	78	2480	0.02	0.016	9.29	11.00	1.483	76.88	1.301	0.031	/
Hotspot														
Ant.4	DH5	Front Side	10	78	2480	0.00	0.013	9.29	11.00	1.483	76.88	1.301	0.019	/
Ant.4	DH5	Back Side	10	78	2480	-0.13	0.032	9.29	11.00	1.483	76.88	1.301	**0.047**	41#
Ant.4	DH5	Left Edge	10	78	2480	-0.06	0.014	9.29	11.00	1.483	76.88	1.301	0.021	/
Ant.4	DH5	Top Edge	10	78	2480	0.09	0.016	9.29	11.00	1.483	76.88	1.301	0.024	/
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
836.6	GSM850	Head	Right Cheek	0.908	Yes	0.902	1.01
1880	GSM1900	Head	Right Tilt	0.971	Yes	0.954	1.02
846.6	WCDMA Band5	Head	Right Cheek	0.863	Yes	0.850	1.02
1732.5	LTE Band4	Head	Right Tilt	0.881	Yes	0.879	1.00
844	LTE Band5	Head	Right Cheek	0.949	Yes	0.935	1.01
2560	LTE Band7	Head	Right Tilt	0.866	Yes	0.853	1.02
2580	LTE Band38	Head	Right Tilt	0.832	Yes	0.830	1.00
2580	LTE Band38	Body	Bottom Edge	0.829	Yes	0.821	1.01
2595	LTE Band41	Body	Bottom Edge	0.855	Yes	0.836	1.02
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	Specific
1	WLAN 5GHz + BT	Yes	Yes	Yes	Yes
2	WWAN + WLAN 2.4GHz	Yes	Yes	Yes	Yes
3	WWAN + BT	Yes	Yes	Yes	Yes
4	WWAN + WLAN 5GHz	Yes	Yes	Yes	Yes
5	WWAN + WLAN 5GHz + BT	Yes	Yes	Yes	Yes

Note:

1. WWAN antennas can switch automatically, the standards supported by WWAN are(GSM Voice/GPRS/EDGE/WCDMA/LTE).
2. The maximum SAR summation is calculated based on the same configuration and test position.
3.WLAN 2.4GHz and Bluetooth will not be transmitting at same time, WLAN 2.4GHz and WLAN 5GHz will not be transmitting at same time.

12.2 Sum SAR of Simultaneous Transmission

12.2.1 Head Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI	Bluetooth	1+2	1+3+4
GSM850	Ant.2	Left Cheek	0.786	0.558	0.578	0.170	1.344	**1.534**
		Left Tilt	0.632	0.326	0.405	0.106	0.958	1.143
		Right Cheek	1.146	0.204	0.307	0.054	1.350	1.507
		Right Tilt	0.793	0.120	0.171	0.031	0.913	0.995
GSM850	Ant.1	Left Cheek	0.113	0.558	0.578	0.170	0.671	0.861
		Left Tilt	0.062	0.326	0.405	0.106	0.388	0.573
		Right Cheek	0.108	0.204	0.307	0.054	0.312	0.469
		Right Tilt	0.059	0.120	0.171	0.031	0.179	0.261
GSM1900	Ant.2	Left Cheek	0.617	0.558	0.578	0.170	1.175	1.365
		Left Tilt	0.483	0.326	0.405	0.106	0.809	0.994
		Right Cheek	0.909	0.204	0.307	0.054	1.113	1.270
		Right Tilt	1.184	0.120	0.171	0.031	1.304	1.386
GSM1900	Ant.1	Left Cheek	0.176	0.558	0.578	0.170	0.734	0.924
		Left Tilt	0.139	0.326	0.405	0.106	0.465	0.650
		Right Cheek	0.149	0.204	0.307	0.054	0.353	0.510
		Right Tilt	0.124	0.120	0.171	0.031	0.244	0.326
WCDMA B2	Ant.2	Left Cheek	0.444	0.558	0.578	0.170	1.002	1.192
		Left Tilt	0.519	0.326	0.405	0.106	0.845	1.030
		Right Cheek	0.748	0.204	0.307	0.054	0.952	1.109
		Right Tilt	0.906	0.120	0.171	0.031	1.026	1.108
WCDMA B2	Ant.1	Left Cheek	0.128	0.558	0.578	0.170	0.686	0.876
		Left Tilt	0.117	0.326	0.405	0.106	0.443	0.628
		Right Cheek	0.108	0.204	0.307	0.054	0.312	0.469
		Right Tilt	0.078	0.120	0.171	0.031	0.198	0.280
WCDMA B4	Ant.2	Left Cheek	0.437	0.558	0.578	0.170	0.995	1.185
		Left Tilt	0.507	0.326	0.405	0.106	0.833	1.018
		Right Cheek	0.852	0.204	0.307	0.054	1.056	1.213
		Right Tilt	0.888	0.120	0.171	0.031	1.008	1.090
WCDMA B4	Ant.1	Left Cheek	0.051	0.558	0.578	0.170	0.609	0.799
		Left Tilt	0.033	0.326	0.405	0.106	0.359	0.544
		Right Cheek	0.042	0.204	0.307	0.054	0.246	0.403
		Right Tilt	0.030	0.120	0.171	0.031	0.150	0.232
WCDMA B5	Ant.2	Left Cheek	0.691	0.558	0.578	0.170	1.249	1.439
		Left Tilt	0.638	0.326	0.405	0.106	0.964	1.149
		Right Cheek	1.009	0.204	0.307	0.054	1.213	1.370
		Right Tilt	0.713	0.120	0.171	0.031	0.833	0.915
WCDMA B5	Ant.1	Left Cheek	0.133	0.558	0.578	0.170	0.691	0.881

		Left Tilt	0.065	0.326	0.405	0.106	0.391	0.576
		Right Cheek	0.123	0.204	0.307	0.054	0.327	0.484
		Right Tilt	0.058	0.120	0.171	0.031	0.178	0.260
LTE B2	Ant.2	Left Cheek	0.434	0.558	0.578	0.170	0.992	1.182
		Left Tilt	0.526	0.326	0.405	0.106	0.852	1.037
		Right Cheek	0.718	0.204	0.307	0.054	0.922	1.079
		Right Tilt	0.866	0.120	0.171	0.031	0.986	1.068
LTE B2	Ant.1	Left Cheek	0.188	0.558	0.578	0.170	0.746	0.936
		Left Tilt	0.164	0.326	0.405	0.106	0.490	0.675
		Right Cheek	0.170	0.204	0.307	0.054	0.374	0.531
		Right Tilt	0.147	0.120	0.171	0.031	0.267	0.349
LTE B4	Ant.2	Left Cheek	0.476	0.558	0.578	0.170	1.034	1.224
		Left Tilt	0.566	0.326	0.405	0.106	0.892	1.077
		Right Cheek	0.896	0.204	0.307	0.054	1.100	1.257
		Right Tilt	0.996	0.120	0.171	0.031	1.116	1.198
LTE B4	Ant.1	Left Cheek	0.048	0.558	0.578	0.170	0.606	0.796
		Left Tilt	0.032	0.326	0.405	0.106	0.358	0.543
		Right Cheek	0.046	0.204	0.307	0.054	0.250	0.407
		Right Tilt	0.029	0.120	0.171	0.031	0.149	0.231
LTE B5	Ant.2	Left Cheek	0.713	0.558	0.578	0.170	1.271	1.461
		Left Tilt	0.656	0.326	0.405	0.106	0.982	1.167
		Right Cheek	1.033	0.204	0.307	0.054	1.237	1.394
		Right Tilt	0.799	0.120	0.171	0.031	0.919	1.001
LTE B5	Ant.1	Left Cheek	0.133	0.558	0.578	0.170	0.691	0.881
		Left Tilt	0.065	0.326	0.405	0.106	0.391	0.576
		Right Cheek	0.100	0.204	0.307	0.054	0.304	0.461
		Right Tilt	0.058	0.120	0.171	0.031	0.178	0.260
LTE B7	Ant.2	Left Cheek	0.312	0.558	0.578	0.170	0.870	1.060
		Left Tilt	0.393	0.326	0.405	0.106	0.719	0.904
		Right Cheek	0.693	0.204	0.307	0.054	0.897	1.054
		Right Tilt	0.965	0.120	0.171	0.031	1.085	1.167
LTE B7	Ant.1	Left Cheek	0.073	0.558	0.578	0.170	0.631	0.821
		Left Tilt	0.059	0.326	0.405	0.106	0.385	0.570
		Right Cheek	0.056	0.204	0.307	0.054	0.260	0.417
		Right Tilt	0.041	0.120	0.171	0.031	0.161	0.243
LTE B12	Ant.2	Left Cheek	0.504	0.558	0.578	0.170	1.062	1.252
		Left Tilt	0.453	0.326	0.405	0.106	0.779	0.964
		Right Cheek	0.795	0.204	0.307	0.054	0.999	1.156
		Right Tilt	0.597	0.120	0.171	0.031	0.717	0.799
LTE B12	Ant.1	Left Cheek	0.118	0.558	0.578	0.170	0.676	0.866
		Left Tilt	0.056	0.326	0.405	0.106	0.382	0.567
		Right Cheek	0.114	0.204	0.307	0.054	0.318	0.475
		Right Tilt	0.045	0.120	0.171	0.031	0.165	0.247

LTE B17	Ant.2	Left Cheek	0.504	0.558	0.578	0.170	1.062	1.252
		Left Tilt	0.466	0.326	0.405	0.106	0.792	0.977
		Right Cheek	0.786	0.204	0.307	0.054	0.990	1.147
		Right Tilt	0.584	0.120	0.171	0.031	0.704	0.786
LTE B17	Ant.1	Left Cheek	0.095	0.558	0.578	0.170	0.653	0.843
		Left Tilt	0.057	0.326	0.405	0.106	0.383	0.568
		Right Cheek	0.079	0.204	0.307	0.054	0.283	0.440
		Right Tilt	0.050	0.120	0.171	0.031	0.170	0.252
LTE B66	Ant.2	Left Cheek	0.353	0.558	0.578	0.170	0.911	1.101
		Left Tilt	0.420	0.326	0.405	0.106	0.746	0.931
		Right Cheek	0.788	0.204	0.307	0.054	0.992	1.149
		Right Tilt	0.799	0.120	0.171	0.031	0.919	1.001
LTE B66	Ant.1	Left Cheek	0.043	0.558	0.578	0.170	0.601	0.791
		Left Tilt	0.027	0.326	0.405	0.106	0.353	0.538
		Right Cheek	0.040	0.204	0.307	0.054	0.244	0.401
		Right Tilt	0.026	0.120	0.171	0.031	0.146	0.228
LTE B38	Ant.2	Left Cheek	0.369	0.558	0.578	0.170	0.927	1.117
		Left Tilt	0.421	0.326	0.405	0.106	0.747	0.932
		Right Cheek	0.737	0.204	0.307	0.054	0.941	1.098
		Right Tilt	1.003	0.120	0.171	0.031	1.123	1.205
LTE B38	Ant.1	Left Cheek	0.107	0.558	0.578	0.170	0.665	0.855
		Left Tilt	0.065	0.326	0.405	0.106	0.391	0.576
		Right Cheek	0.101	0.204	0.307	0.054	0.305	0.462
		Right Tilt	0.055	0.120	0.171	0.031	0.175	0.257
LTE B41	Ant.2	Left Cheek	0.302	0.558	0.578	0.170	0.860	1.050
		Left Tilt	0.369	0.326	0.405	0.106	0.695	0.880
		Right Cheek	0.640	0.204	0.307	0.054	0.844	1.001
		Right Tilt	0.897	0.120	0.171	0.031	1.017	1.099
LTE B41	Ant.1	Left Cheek	0.061	0.558	0.578	0.170	0.619	0.809
		Left Tilt	0.041	0.326	0.405	0.106	0.367	0.552
		Right Cheek	0.059	0.204	0.307	0.054	0.263	0.420
		Right Tilt	0.037	0.120	0.171	0.031	0.157	0.239

Note:

1: The simultaneous transmission combinations of the 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 1.534 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.2 Body-worn&Hotspot Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI	Bluetooth	1+2	1+3+4
GSM850	Ant.2	Front Side 10mm	0.129	0.091	0.127	0.019	0.220	0.275
		Back Side 10mm	0.162	0.214	0.282	0.047	0.376	0.491
		Left Edge 10mm	0.000	0.103	0.146	0.021	0.103	0.167
		Right Edge 10mm	0.095	0.000	0.000	0.000	0.095	0.095
		Top Edge 10mm	0.169	0.121	0.215	0.024	0.290	0.408
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
GSM850	Ant.1	Front Side 10mm	0.017	0.091	0.127	0.019	0.108	0.163
		Back Side 10mm	0.032	0.214	0.282	0.047	0.246	0.361
		Left Edge 10mm	0.000	0.103	0.146	0.021	0.103	0.167
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.000	0.121	0.215	0.024	0.121	0.239
		Bottom Edge 10mm	0.014	0.000	0.000	0.000	0.014	0.014
GSM1900	Ant.2	Front Side 10mm	0.195	0.091	0.127	0.019	0.286	0.341
		Back Side 10mm	0.317	0.214	0.282	0.047	0.531	0.646
		Left Edge 10mm	0.000	0.103	0.146	0.021	0.103	0.167
		Right Edge 10mm	0.068	0.000	0.000	0.000	0.068	0.068
		Top Edge 10mm	0.395	0.121	0.215	0.024	0.516	0.634
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
GSM1900	Ant.1	Front Side 10mm	0.266	0.091	0.127	0.019	0.357	0.412
		Back Side 10mm	0.458	0.214	0.282	0.047	0.672	0.787
		Left Edge 10mm	0.061	0.103	0.146	0.021	0.164	0.228
		Right Edge 10mm	0.195	0.000	0.000	0.000	0.195	0.195
		Top Edge 10mm	0.000	0.121	0.215	0.024	0.121	0.239
		Bottom Edge 10mm	0.450	0.000	0.000	0.000	0.450	0.450
WCDMA B2	Ant.2	Front Side 10mm	0.216	0.091	0.127	0.019	0.307	0.362
		Back Side 10mm	0.344	0.214	0.282	0.047	0.558	0.673
		Left Edge 10mm	0.000	0.103	0.146	0.021	0.103	0.167
		Right Edge 10mm	0.072	0.000	0.000	0.000	0.072	0.072
		Top Edge 10mm	0.360	0.121	0.215	0.024	0.481	0.599
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B2	Ant.1	Front Side 10mm	0.210	0.091	0.127	0.019	0.301	0.356
		Back Side 10mm	0.390	0.214	0.282	0.047	0.604	0.719
		Left Edge 10mm	0.061	0.103	0.146	0.021	0.164	0.228
		Right Edge 10mm	0.156	0.000	0.000	0.000	0.156	0.156
		Top Edge 10mm	0.000	0.121	0.215	0.024	0.121	0.239
		Bottom Edge 10mm	0.418	0.000	0.000	0.000	0.418	0.418
WCDMA B4	Ant.2	Front Side 10mm	0.131	0.091	0.127	0.019	0.222	0.277

		Back Side 10mm	0.136	0.214	0.282	0.047	0.350	0.465
		Left Edge 10mm	0.000	0.103	0.146	0.021	0.103	0.167
		Right Edge 10mm	0.049	0.000	0.000	0.000	0.049	0.049
		Top Edge 10mm	0.227	0.121	0.215	0.024	0.348	0.466
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B4	Ant.1	Front Side 10mm	0.113	0.091	0.127	0.019	0.204	0.259
		Back Side 10mm	0.267	0.214	0.282	0.047	0.481	0.596
		Left Edge 10mm	0.033	0.103	0.146	0.021	0.136	0.200
		Right Edge 10mm	0.062	0.000	0.000	0.000	0.062	0.062
		Top Edge 10mm	0.000	0.121	0.215	0.024	0.121	0.239
		Bottom Edge 10mm	0.338	0.000	0.000	0.000	0.338	0.338
WCDMA B5	Ant.2	Front Side 10mm	0.166	0.091	0.127	0.019	0.257	0.312
		Back Side 10mm	0.173	0.214	0.282	0.047	0.387	0.502
		Left Edge 10mm	0.000	0.103	0.146	0.021	0.103	0.167
		Right Edge 10mm	0.068	0.000	0.000	0.000	0.068	0.068
		Top Edge 10mm	0.200	0.121	0.215	0.024	0.321	0.439
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B5	Ant.1	Front Side 10mm	0.102	0.091	0.127	0.019	0.193	0.248
		Back Side 10mm	0.168	0.214	0.282	0.047	0.382	0.497
		Left Edge 10mm	0.114	0.103	0.146	0.021	0.217	0.281
		Right Edge 10mm	0.038	0.000	0.000	0.000	0.038	0.038
		Top Edge 10mm	0.000	0.121	0.215	0.024	0.121	0.239
		Bottom Edge 10mm	0.135	0.000	0.000	0.000	0.135	0.135
LTE B2	Ant.2	Front Side 10mm	0.198	0.091	0.127	0.019	0.289	0.344
		Back Side 10mm	0.331	0.214	0.282	0.047	0.545	0.660
		Left Edge 10mm	0.000	0.103	0.146	0.021	0.103	0.167
		Right Edge 10mm	0.069	0.000	0.000	0.000	0.069	0.069
		Top Edge 10mm	0.431	0.121	0.215	0.024	0.552	0.670
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B2	Ant.1	Front Side 10mm	0.346	0.091	0.127	0.019	0.437	0.492
		Back Side 10mm	0.660	0.214	0.282	0.047	0.874	0.989
		Left Edge 10mm	0.084	0.103	0.146	0.021	0.187	0.251
		Right Edge 10mm	0.244	0.000	0.000	0.000	0.244	0.244
		Top Edge 10mm	0.000	0.121	0.215	0.024	0.121	0.239
		Bottom Edge 10mm	0.598	0.000	0.000	0.000	0.598	0.598
LTE B4	Ant.2	Front Side 10mm	0.209	0.091	0.127	0.019	0.300	0.355
		Back Side 10mm	0.255	0.214	0.282	0.047	0.469	0.584
		Left Edge 10mm	0.000	0.103	0.146	0.021	0.103	0.167
		Right Edge 10mm	0.080	0.000	0.000	0.000	0.080	0.080
		Top Edge 10mm	0.277	0.121	0.215	0.024	0.398	0.516
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B4	Ant.1	Front Side 10mm	0.113	0.091	0.127	0.019	0.204	0.259
		Back Side 10mm	0.256	0.214	0.282	0.047	0.470	0.585

		Left Edge 10mm	0.024	0.103	0.146	0.021	0.127	0.191
		Right Edge 10mm	0.065	0.000	0.000	0.000	0.065	0.065
		Top Edge 10mm	0.000	0.121	0.215	0.024	0.121	0.239
		Bottom Edge 10mm	0.315	0.000	0.000	0.000	0.315	0.315
LTE B5	Ant.2	Front Side 10mm	0.145	0.091	0.127	0.019	0.236	0.291
		Back Side 10mm	0.180	0.214	0.282	0.047	0.394	0.509
		Left Edge 10mm	0.000	0.103	0.146	0.021	0.103	0.167
		Right Edge 10mm	0.096	0.000	0.000	0.000	0.096	0.096
		Top Edge 10mm	0.186	0.121	0.215	0.024	0.307	0.425
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B5	Ant.1	Front Side 10mm	0.115	0.091	0.127	0.019	0.206	0.261
		Back Side 10mm	0.184	0.214	0.282	0.047	0.398	0.513
		Left Edge 10mm	0.112	0.103	0.146	0.021	0.215	0.279
		Right Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
		Top Edge 10mm	0.000	0.121	0.215	0.024	0.121	0.239
		Bottom Edge 10mm	0.137	0.000	0.000	0.000	0.137	0.137
LTE B7	Ant.2	Front Side 10mm	0.173	0.091	0.127	0.019	0.264	0.319
		Back Side 10mm	0.584	0.214	0.282	0.047	0.798	0.913
		Left Edge 10mm	0.000	0.103	0.146	0.021	0.103	0.167
		Right Edge 10mm	0.107	0.000	0.000	0.000	0.107	0.107
		Top Edge 10mm	0.514	0.121	0.215	0.024	0.635	0.753
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B7	Ant.1	Front Side 10mm	0.246	0.091	0.127	0.019	0.337	0.392
		Back Side 10mm	0.645	0.214	0.282	0.047	0.859	0.974
		Left Edge 10mm	0.163	0.103	0.146	0.021	0.266	0.330
		Right Edge 10mm	0.117	0.000	0.000	0.000	0.117	0.117
		Top Edge 10mm	0.000	0.121	0.215	0.024	0.121	0.239
		Bottom Edge 10mm	0.735	0.000	0.000	0.000	0.735	0.735
LTE B12	Ant.2	Front Side 10mm	0.156	0.091	0.127	0.019	0.247	0.302
		Back Side 10mm	0.231	0.214	0.282	0.047	0.445	0.560
		Left Edge 10mm	0.000	0.103	0.146	0.021	0.103	0.167
		Right Edge 10mm	0.210	0.000	0.000	0.000	0.210	0.210
		Top Edge 10mm	0.145	0.121	0.215	0.024	0.266	0.384
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B12	Ant.1	Front Side 10mm	0.140	0.091	0.127	0.019	0.231	0.286
		Back Side 10mm	0.189	0.214	0.282	0.047	0.403	0.518
		Left Edge 10mm	0.217	0.103	0.146	0.021	0.320	0.384
		Right Edge 10mm	0.095	0.000	0.000	0.000	0.095	0.095
		Top Edge 10mm	0.000	0.121	0.215	0.024	0.121	0.239
		Bottom Edge 10mm	0.137	0.000	0.000	0.000	0.137	0.137
LTE B17	Ant.2	Front Side 10mm	0.157	0.091	0.127	0.019	0.248	0.303
		Back Side 10mm	0.224	0.214	0.282	0.047	0.438	0.553
		Left Edge 10mm	0.000	0.103	0.146	0.021	0.103	0.167

		Right Edge 10mm	0.160	0.000	0.000	0.000	0.160	0.160
		Top Edge 10mm	0.130	0.121	0.215	0.024	0.251	0.369
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B17	Ant.1	Front Side 10mm	0.142	0.091	0.127	0.019	0.233	0.288
		Back Side 10mm	0.195	0.214	0.282	0.047	0.409	0.524
		Left Edge 10mm	0.162	0.103	0.146	0.021	0.265	0.329
		Right Edge 10mm	0.071	0.000	0.000	0.000	0.071	0.071
		Top Edge 10mm	0.000	0.121	0.215	0.024	0.121	0.239
		Bottom Edge 10mm	0.144	0.000	0.000	0.000	0.144	0.144
LTE B66	Ant.2	Front Side 10mm	0.130	0.091	0.127	0.019	0.221	0.276
		Back Side 10mm	0.191	0.214	0.282	0.047	0.405	0.520
		Left Edge 10mm	0.000	0.103	0.146	0.021	0.103	0.167
		Right Edge 10mm	0.045	0.000	0.000	0.000	0.045	0.045
		Top Edge 10mm	0.230	0.121	0.215	0.024	0.351	0.469
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B66	Ant.1	Front Side 10mm	0.095	0.091	0.127	0.019	0.186	0.241
		Back Side 10mm	0.227	0.214	0.282	0.047	0.441	0.556
		Left Edge 10mm	0.028	0.103	0.146	0.021	0.131	0.195
		Right Edge 10mm	0.059	0.000	0.000	0.000	0.059	0.059
		Top Edge 10mm	0.000	0.121	0.215	0.024	0.121	0.239
		Bottom Edge 10mm	0.291	0.000	0.000	0.000	0.291	0.291
LTE B38	Ant.2	Front Side 10mm	0.221	0.091	0.127	0.019	0.312	0.367
		Back Side 10mm	0.782	0.214	0.282	0.047	0.996	1.111
		Left Edge 10mm	0.000	0.103	0.146	0.021	0.103	0.167
		Right Edge 10mm	0.118	0.000	0.000	0.000	0.118	0.118
		Top Edge 10mm	0.527	0.121	0.215	0.024	0.648	0.766
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B38	Ant.1	Front Side 10mm	0.313	0.091	0.127	0.019	0.404	0.459
		Back Side 10mm	0.934	0.214	0.282	0.047	1.148	**1.263**
		Left Edge 10mm	0.156	0.103	0.146	0.021	0.259	0.323
		Right Edge 10mm	0.224	0.000	0.000	0.000	0.224	0.224
		Top Edge 10mm	0.000	0.121	0.215	0.024	0.121	0.239
		Bottom Edge 10mm	1.093	0.000	0.000	0.000	1.093	1.093
LTE B41	Ant.2	Front Side 10mm	0.169	0.091	0.127	0.019	0.260	0.315
		Back Side 10mm	0.603	0.214	0.282	0.047	0.817	0.932
		Left Edge 10mm	0.000	0.103	0.146	0.021	0.103	0.167
		Right Edge 10mm	0.096	0.000	0.000	0.000	0.096	0.096
		Top Edge 10mm	0.444	0.121	0.215	0.024	0.565	0.683
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B41	Ant.1	Front Side 10mm	0.331	0.091	0.127	0.019	0.422	0.477
		Back Side 10mm	0.792	0.214	0.282	0.047	1.006	1.121
		Left Edge 10mm	0.105	0.103	0.146	0.021	0.208	0.272
		Right Edge 10mm	0.143	0.000	0.000	0.000	0.143	0.143

		Top Edge 10mm	0.000	0.121	0.215	0.024	0.121	0.239
		Bottom Edge 10mm	0.952	0.000	0.000	0.000	0.952	0.952

Note:

1: The simultaneous transmission combinations of the 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 1.263 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: 1109	2024/06/07	2027/06/06
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2024/05/08	2027/05/07
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2024/05/08	2027/05/07
1950MHz Validation Dipole	Speag	D1950V3	SN: 1240	2021/09/13	2024/09/12
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2024/05/07	2027/05/06
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2024/05/08	2027/05/07
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2024/05/09	2027/05/08
Data Acquisition Electronicsr	Speag	DAE4	SN: 1711	2024/03/18	2025/03/17
Data Acquisition Electronicsr	Speag	DAE4	SN: 1710	2024/01/03	2025/01/02
E-Field Probe	Speag	EX3DV4	SN: 7510	2024/06/25	2025/06/24
E-Field Probe	Speag	EX3DV4	SN: 3748	2024/04/12	2025/04/11
Signal Generator	R&S	SMB100A	177746	2024/04/24	2025/04/23
Power Meter	R&S	NRVD-B2	835843/014	2023/09/05	2024/09/04
Power Sensor	R&S	NRV-Z4	100381	2023/09/05	2024/09/04
Power Sensor	R&S	NRV-Z2	100211	2023/09/05	2024/09/04
Wireless Communication Test Set	Anritsu	MT8820C	6201502991	2023/11/14	2024/11/13
Network Analyzer	Agilent	E5071C	MY46103472	2023/11/14	2024/11/14
Thermometer	Elitech	RC-4	EF5238001628	2023/10/09	2024/10/08
Thermometer	Elitech	RC-4HC	EF7239002652	2023/11/17	2024/11/16
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 1576	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

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

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

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

The dielectric parameters of the liquids were verified prior to the SAR evaluation using a DAK3.5 Dielectric Probe Kit.

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2024.08.06	Head	750	21.3	0.91	41.47	0.89	41.94	2.25	-1.12
2024.08.01	Head	835	21.5	0.91	41.56	0.90	41.50	1.11	0.14
2024.08.02	Head	835	21.2	0.90	41.93	0.90	41.50	0.00	1.04
2024.08.05	Head	1750	21.4	1.39	39.93	1.37	40.08	1.46	-0.37
2024.08.06	Head	1750	21.5	1.38	40.38	1.37	40.08	0.73	0.75
2024.08.07	Head	1950	21.3	1.41	40.04	1.40	40.00	0.71	0.10
2024.08.08	Head	1950	21.1	1.41	39.77	1.40	40.00	0.71	-0.58
2024.08.11	Head	2450	21.1	1.78	39.62	1.80	39.20	-1.11	1.07
2024.08.09	Head	2600	21.3	1.99	38.63	1.96	39.01	1.53	-0.97
2024.08.03	Head	2600	21.4	1.98	39.54	1.96	39.01	1.02	1.36
2024.08.12	Head	5250	21.3	4.75	35.99	4.71	35.93	0.85	0.17
2024.08.12	Head	5600	21.3	5.04	35.84	5.07	35.53	-0.59	0.87
2024.08.13	Head	5750	21.7	5.19	35.83	5.22	35.36	-0.57	1.33
Note: The tolerance limit of Conductivity and Permittivity is± 5%.									

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.08.06	Head	750	100	0.85	8.54	8.53	0.12
2024.08.01	Head	835	100	0.98	9.76	9.74	0.21
2024.08.02	Head	835	100	0.97	9.68	9.74	-0.62
2024.08.05	Head	1750	100	3.75	37.50	37.00	1.35
2024.08.06	Head	1750	100	3.71	37.10	37.00	0.27
2024.08.07	Head	1950	100	4.16	41.60	41.40	0.48
2024.08.08	Head	1950	100	4.11	41.10	41.40	-0.72
2024.08.11	Head	2450	100	5.24	52.40	52.60	-0.38
2024.08.09	Head	2600	100	5.62	56.20	55.90	0.54
2024.08.03	Head	2600	100	5.56	55.60	55.90	-0.54
2024.08.12	Head	5250	100	7.81	78.10	77.70	0.51
2024.08.12	Head	5600	100	8.16	81.60	81.30	0.37
2024.08.13	Head	5750	100	7.81	78.10	77.60	0.64
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.08.12	5250	100	2.230	22.30	22.00	1.36
2024.08.12	5600	100	2.360	23.60	23.10	2.16
Note: The tolerance limit of System validation ±10%.						

System Performance Check Data (750MHz)

Date: 2024.08.06

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.906 S/m; ε_r = 41.471; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.883 W/kg

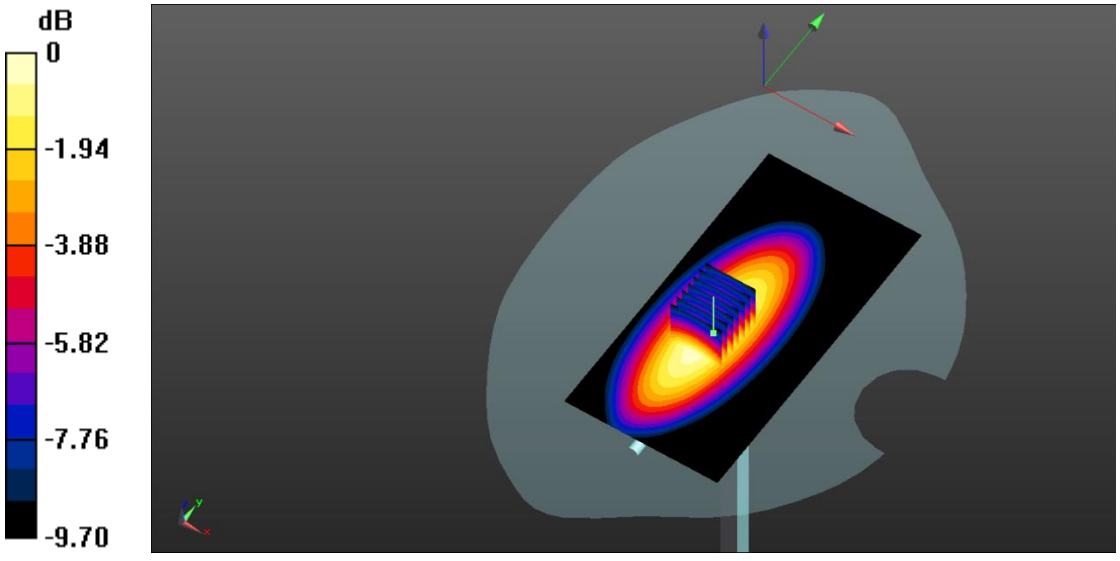
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.21 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.854 W/kg; SAR(10 g) = 0.551 W/kg

Maximum value of SAR (measured) = 0.896 W/kg



0 dB = 0.896 W/kg

System Performance Check Data (835MHz)

Date: 2024.08.01

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

Medium parameters used: f = 835 MHz; σ = 0.905 S/m; ε_r = 41.563; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- 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) = 1.03 W/kg

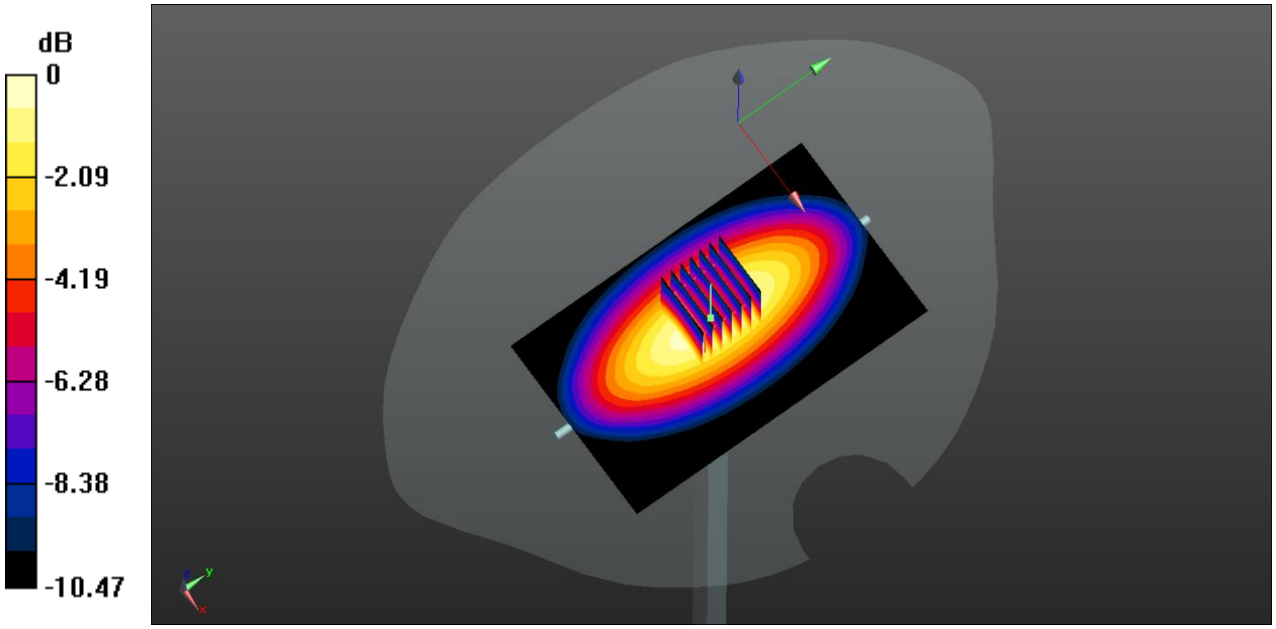
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.13 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.976 W/kg; SAR(10 g) = 0.635 W/kg

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



0 dB = 1.06 W/kg

System Performance Check Data (835MHz)

Date: 2024.08.02

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; ε_r = 41.927; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- 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) = 1.16 W/kg

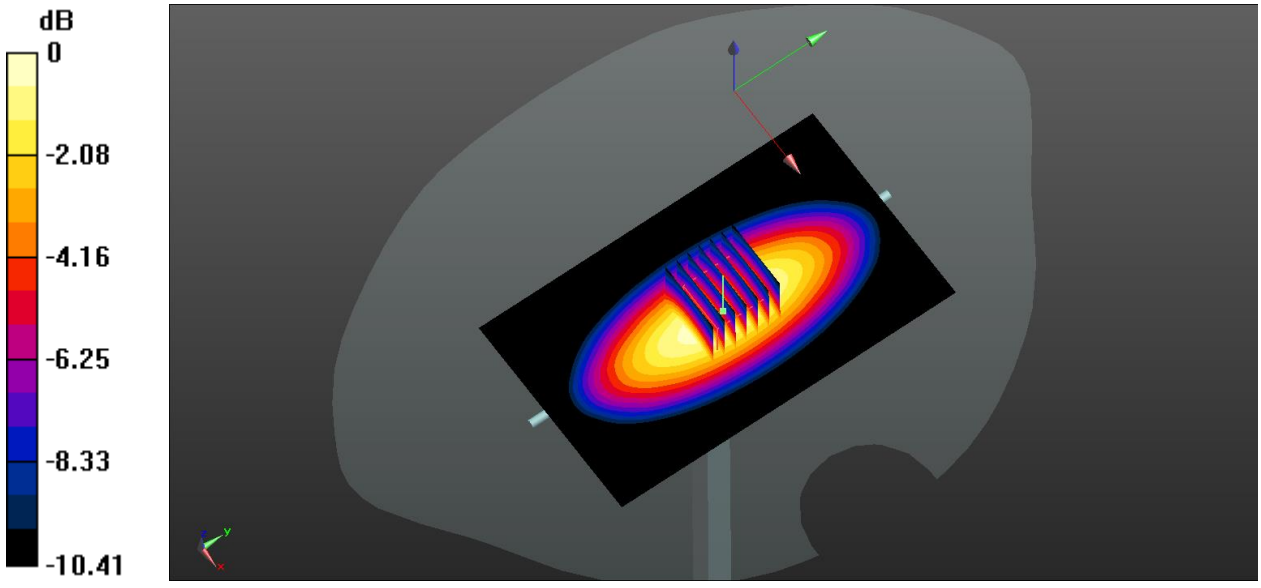
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.54 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.630 W/kg

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



0 dB = 1.07 W/kg

System Performance Check Data (1750MHz)

Date: 2024.08.05

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

Medium parameters used (interpolated): f = 1750 MHz; σ = 1.392 S/m; ε_r = 39.934; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- 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) = 4.32 W/kg

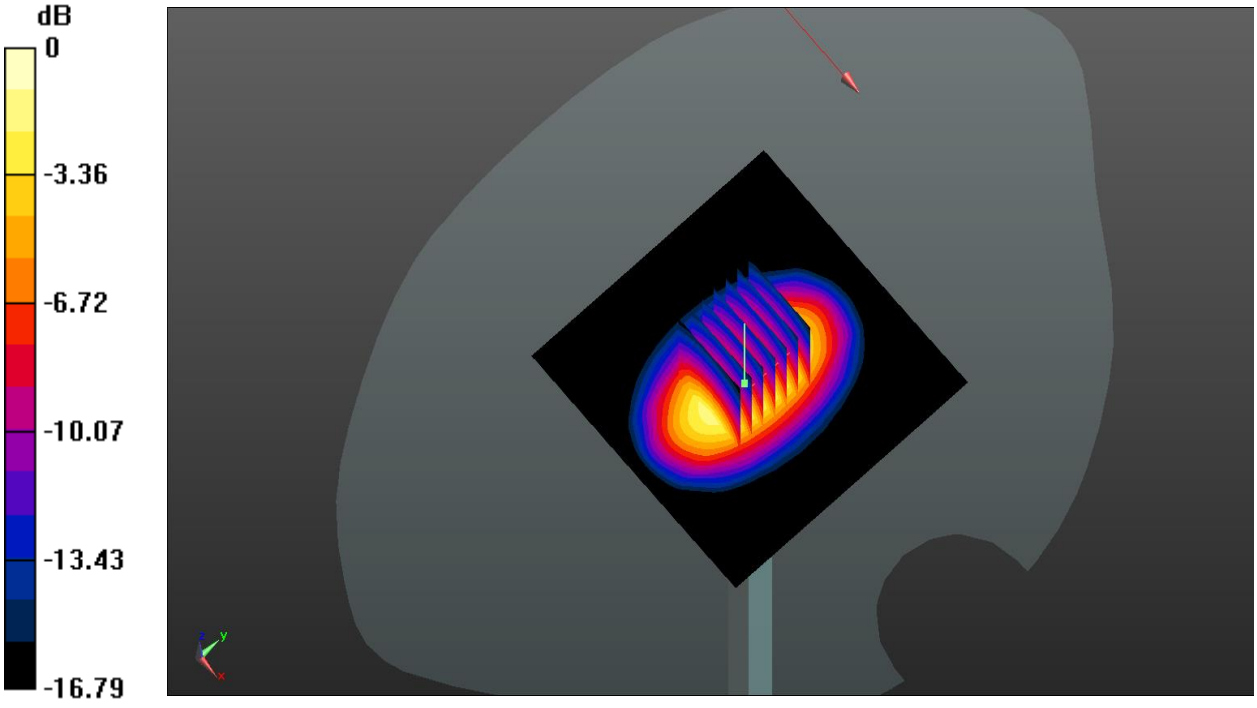
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.58 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 7.03 W/kg

SAR(1 g) = 3.75 W/kg; SAR(10 g) = 1.98 W/kg

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



0 dB = 4.26 W/kg

System Performance Check Data (1750MHz)

Date: 2024.08.06

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

Medium parameters used: f = 1750 MHz; σ = 1.381 S/m; ε_r = 40.379; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 3.76 W/kg

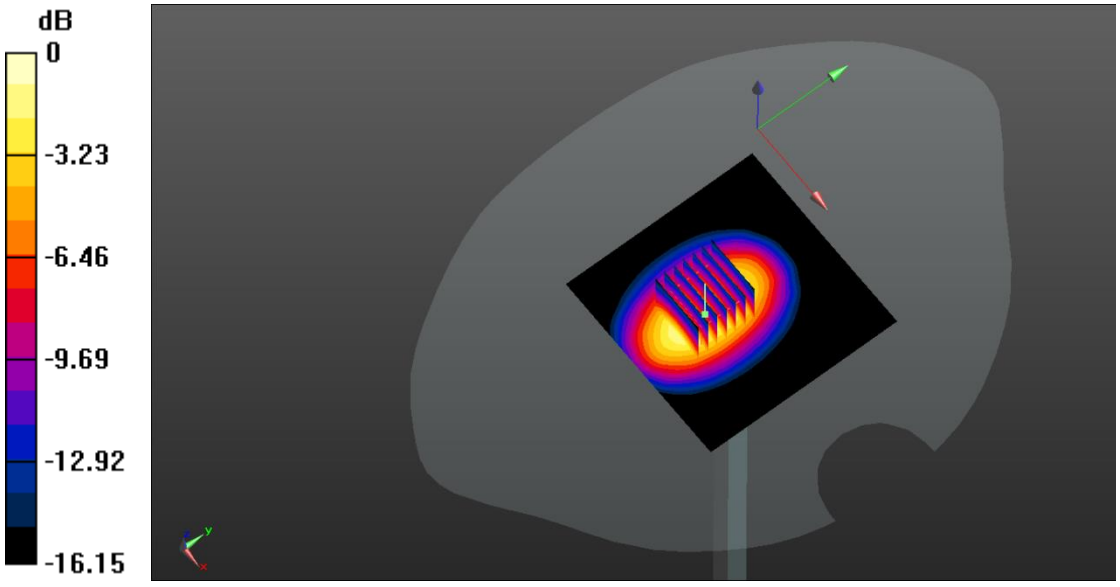
CW1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.12 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 10.1 W/kg

SAR(1 g) = 3.71 W/kg; SAR(10 g) = 1.96 W/kg

Maximum value of SAR (measured) = 3.86 W/kg



0 dB = 3.86 W/kg

System Performance Check Data (1950MHz)

Date: 2024.08.07
Communication System Band: D1950 (1950.0 MHz); Frequency: 1950 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1950 MHz; σ = 1.413 S/m; ε_r = 40.036; ρ = 1000 kg/m^3
Phantom section: Flat Section

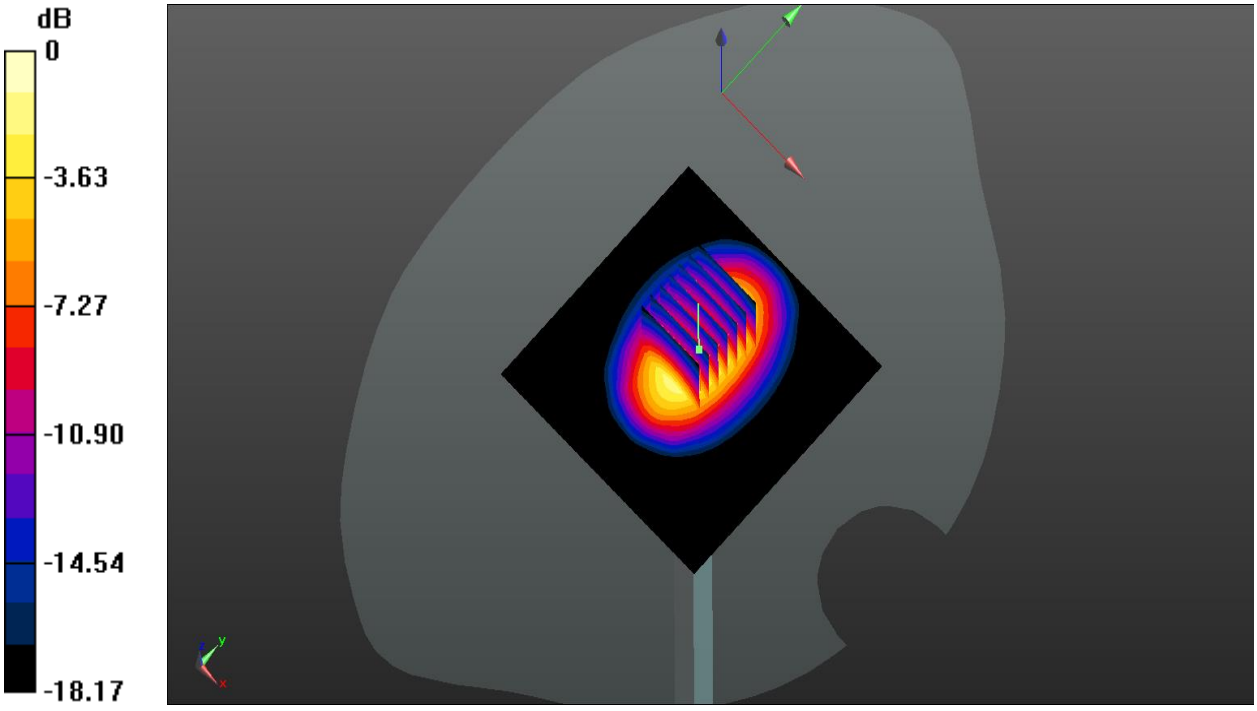
Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1950/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.58 W/kg

CW 1950/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.15 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 7.51 W/kg
SAR(1 g) = 4.16 W/kg; SAR(10 g) = 2.16 W/kg
Maximum value of SAR (measured) = 4.45 W/kg



0 dB = 4.45 W/kg

System Performance Check Data (1950MHz)

Date: 2024.08.08
Communication System Band: D1950 (1950.0 MHz); Frequency: 1950 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1950 MHz; σ = 1.414 S/m; ε_r = 39.768; ρ = 1000 kg/m^3
Phantom section: Flat Section

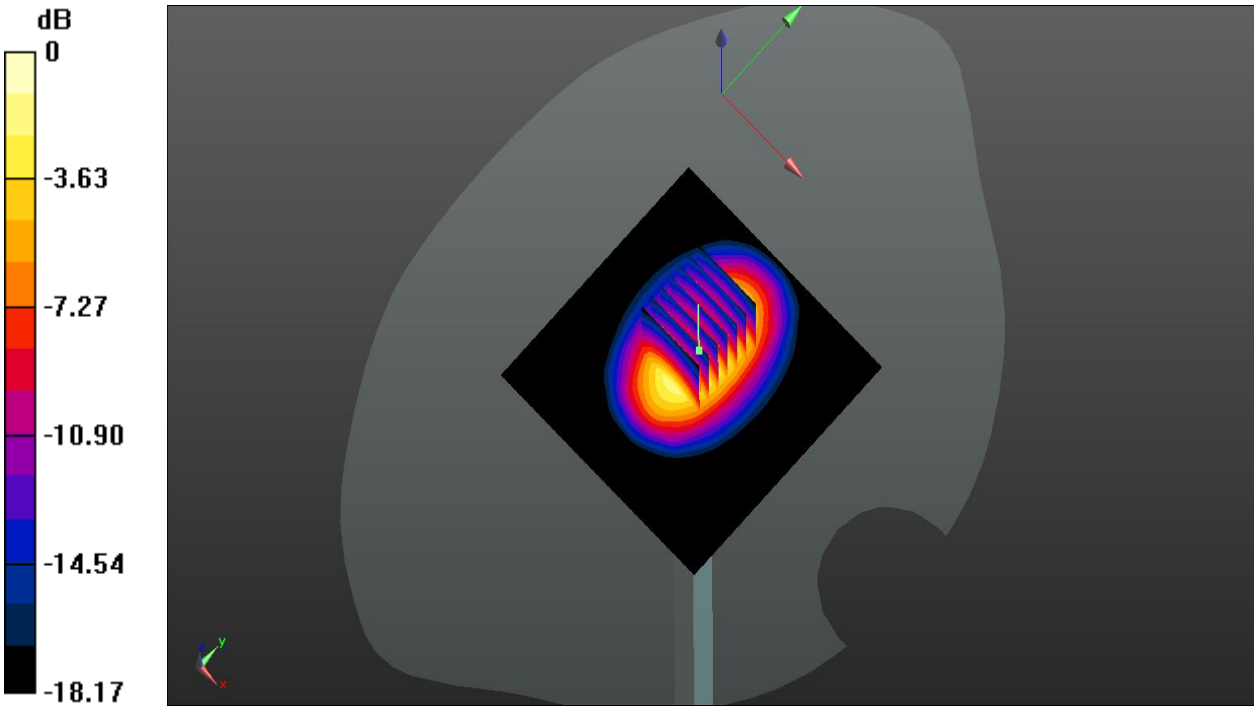
Ambient Temperature:22.2℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1950/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.56 W/kg

CW 1950/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.15 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 7.54 W/kg
SAR(1 g) = 4.11 W/kg; SAR(10 g) = 2.12 W/kg
Maximum value of SAR (measured) = 4.52 W/kg



0 dB = 4.52 W/kg

System Performance Check Data (2450MHz)

Date: 2024.08.11

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

Medium parameters used: f = 2450 MHz; σ = 1.784 S/m; ε_r = 39.621; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 5.83 W/kg

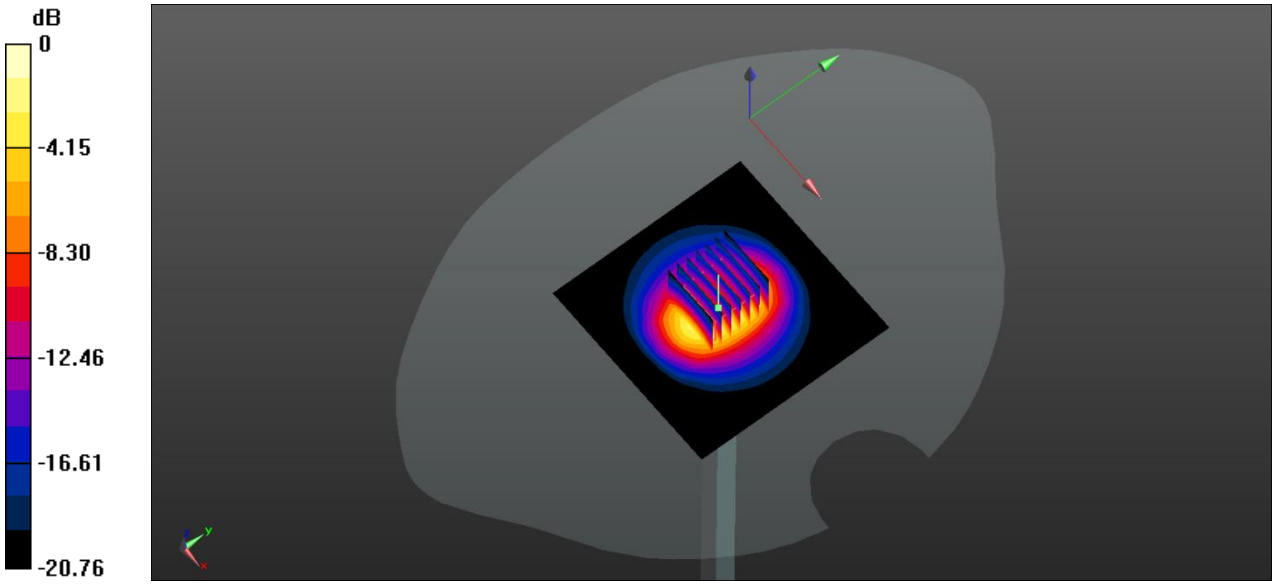
CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.75 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 5.24 W/kg; SAR(10 g) = 2.46 W/kg

Maximum value of SAR (measured) = 5.73 W/kg



0 dB = 5.73 W/kg

System Performance Check Data (2600MHz)

Date: 2024.08.09
Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2600 MHz; σ = 1.994 S/m; ε_r = 38.625; ρ = 1000 kg/m^3
Phantom section: Flat Section

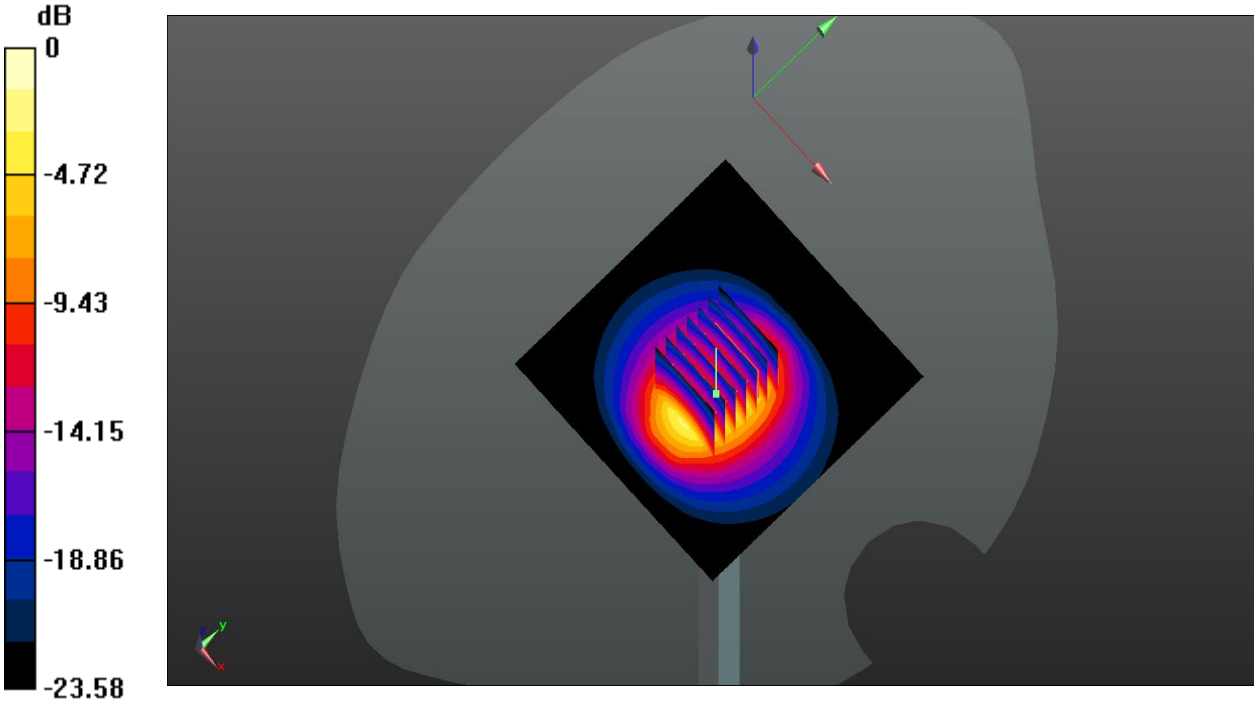
Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- 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) = 6.62 W/kg

CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 45.51 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 12.3 W/kg
SAR(1 g) = 5.62 W/kg; SAR(10 g) = 2.56 W/kg
Maximum value of SAR (measured) = 6.44 W/kg



0 dB = 6.44 W/kg

System Performance Check Data (2600MHz)

Date: 2024.08.03
Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2600 MHz; σ = 1.978 S/m; ε_r = 39.535; ρ = 1000 kg/m^3
Phantom section: Flat Section

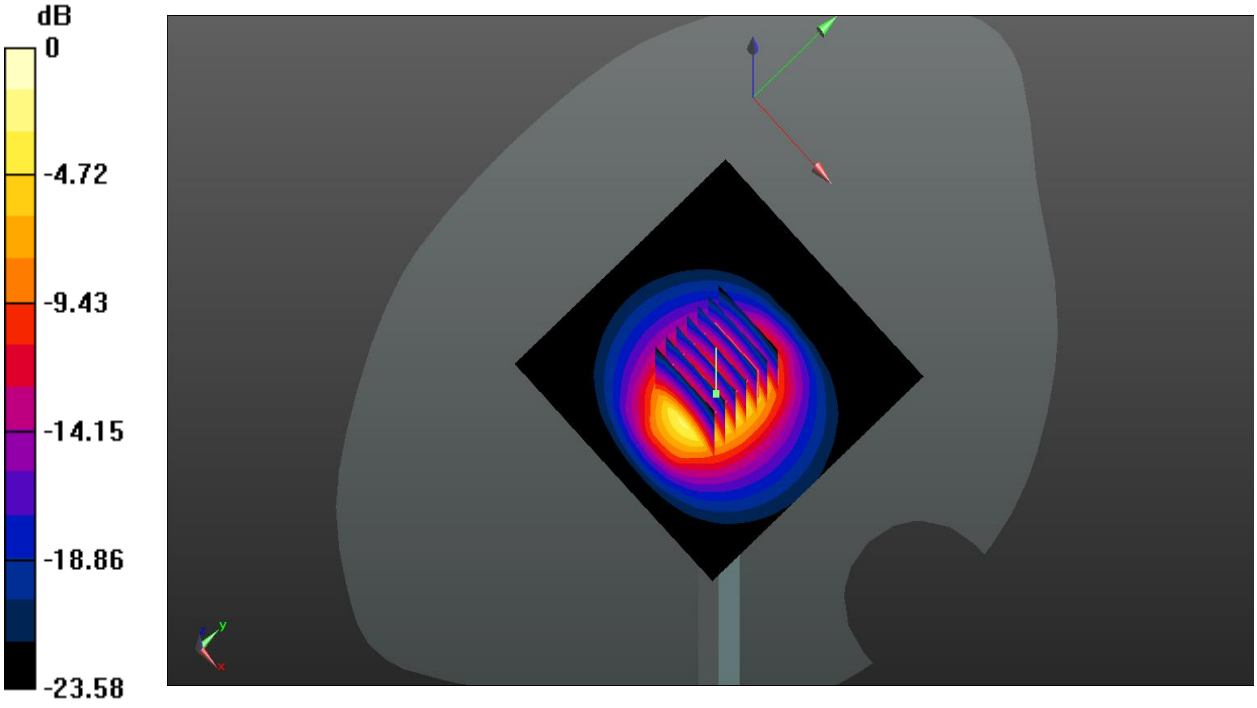
Ambient Temperature:22.5℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- 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) = 6.67 W/kg

CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 45.35 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 12.7 W/kg
SAR(1 g) = 5.56 W/kg; SAR(10 g) = 2.49 W/kg
Maximum value of SAR (measured) = 6.48 W/kg



0 dB = 6.48 W/kg

System Performance Check Data (5250MHz)

Date: 2024.08.12

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

Medium parameters used: f = 5250 MHz; σ = 4.753 S/m; ε_r = 35.986; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 8.61 W/kg

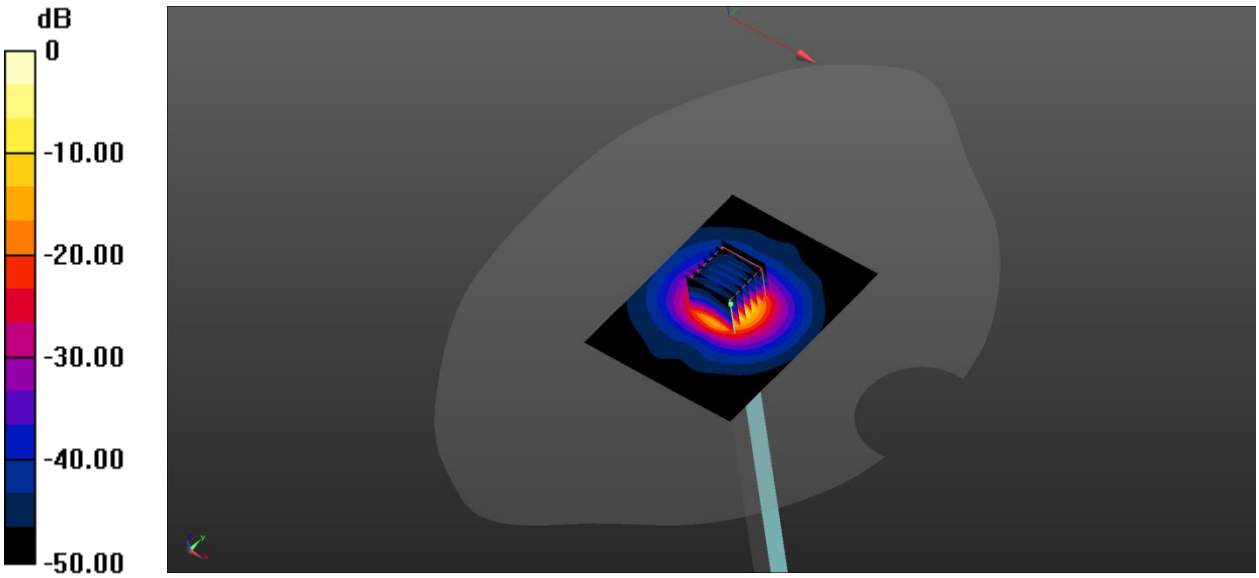
CW 5250/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 37.63 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 33.1 W/kg

SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.23 W/kg

Maximum value of SAR (measured) = 19.6 W/kg



0 dB = 19.6 W/kg

System Performance Check Data (5600MHz)

Date: 2024.08.12

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

Medium parameters used: f = 5600 MHz; σ = 5.044 S/m; ε_r = 35.842; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 8.36 W/kg

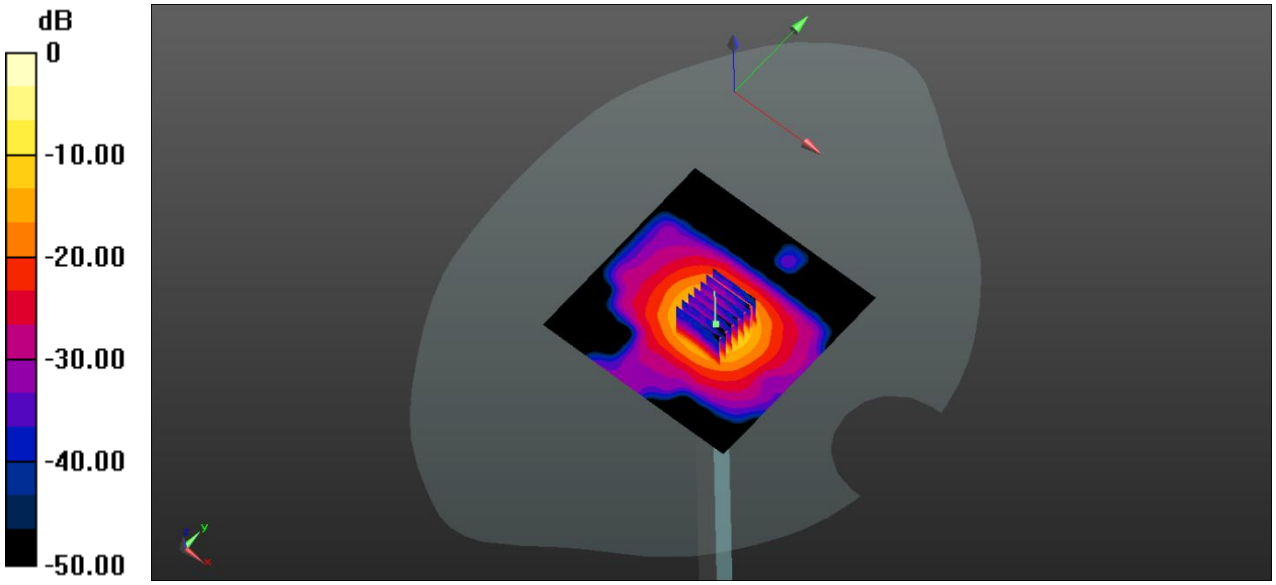
CW 5600/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 34.61 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 38.2 W/kg

SAR(1 g) = 8.16 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 21.6 W/kg



0 dB = 21.6 W/kg

System Performance Check Data (5750MHz)

Date: 2024.08.13

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

Medium parameters used: f = 5750 MHz; σ = 5.185 S/m; ε_r = 35.825; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.7℃

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 8.81 W/kg

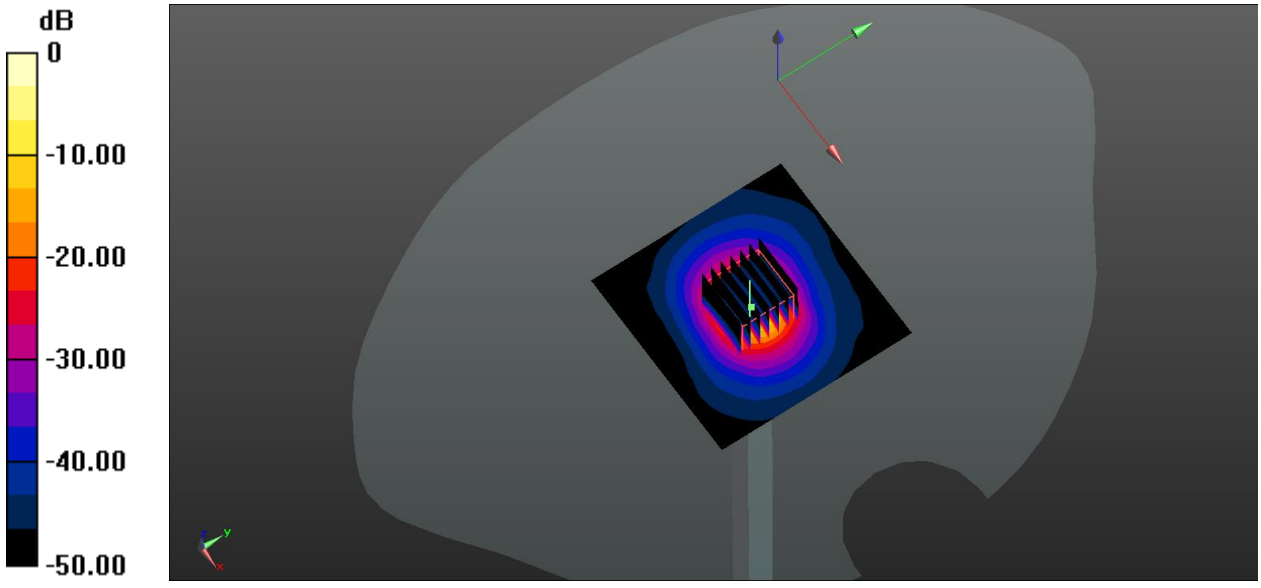
CW 5750/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 40.23 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 36.4 W/kg

SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.21 W/kg

Maximum value of SAR (measured) = 15.6 W/kg



0 dB = 15.6 W/kg

ANNEX C TEST DATA

Meas.1 Right Head with Cheek on Middle Channel in GPRS850 4Slots mode with Antenna 2

Date: 2024.08.01
Communication System Band: GSM850; Frequency: 836.6 MHz;Duty Cycle: 1:2.08
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.912 S/m; ε_r = 41.413; ρ = 1000 kg/m^3
Phantom section: Right Section

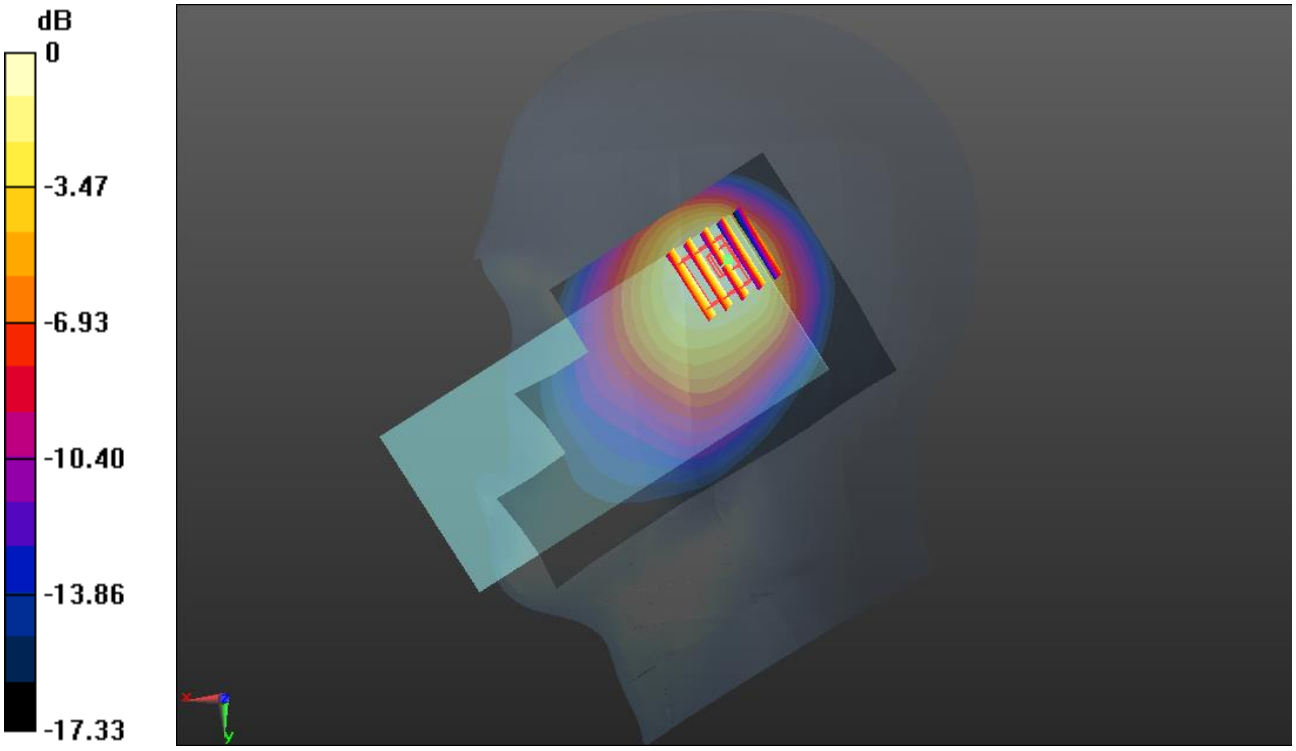
Ambient Temperature:22.4℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch190/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.18 W/kg

Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.17 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 0.908 W/kg; SAR(10 g) = 0.595 W/kg
Maximum value of SAR (measured) = 0.948 W/kg



0 dB = 0.948 W/kg

Meas.2 Body Plane with Top Edge 10mm on Middle Channel in GPRS850 4Slotsmode with Antenna 2

Date: 2024.08.01

Communication System Band: GSM850; Frequency: 836.6 MHz;Duty Cycle: 1:2.08

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.912 S/m; ε_r = 41.413; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch190/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.154 W/kg

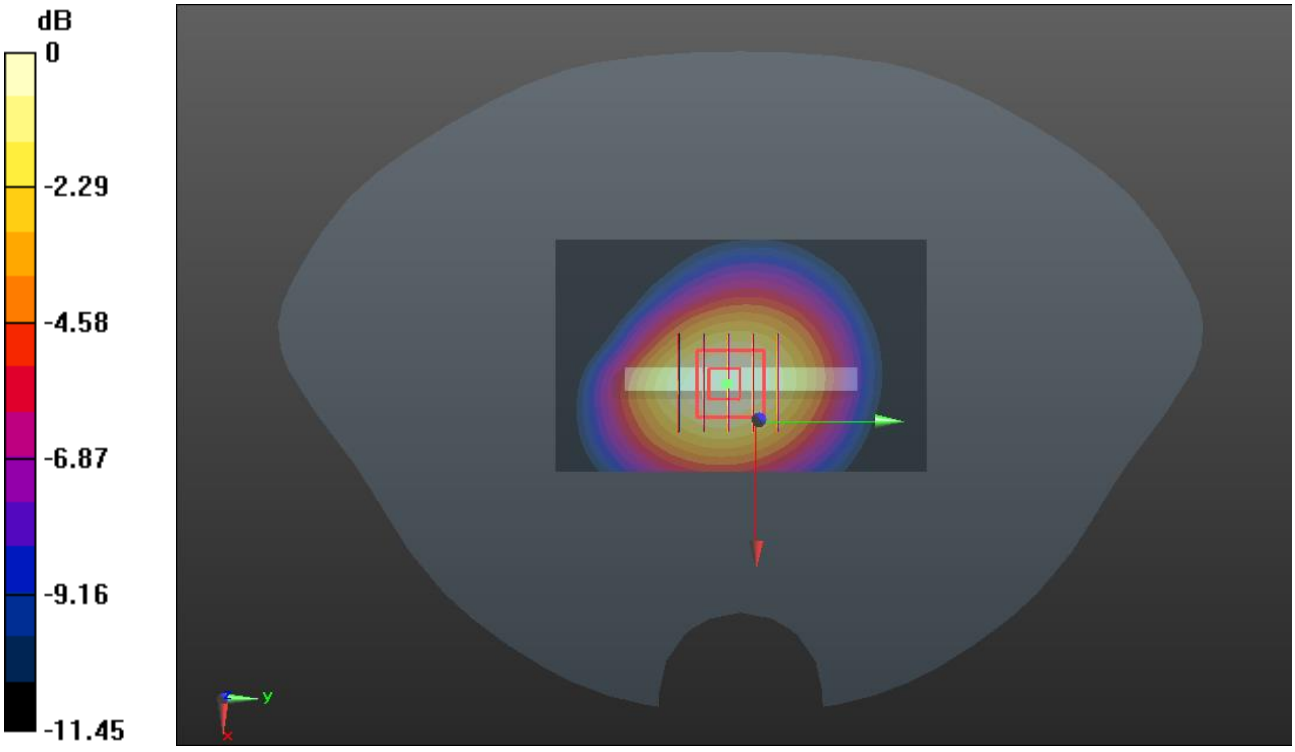
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.39 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.199 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.146 W/kg



0 dB = 0.146 W/kg

Meas.3 Right Head with Tilt on Middle Channel in GPRS1900 4Slots mode with Antenna 2

Date: 2024.08.07
Communication System Band: PCS1900; Frequency: 1880 MHz;Duty Cycle: 1:2.08
Medium parameters used (interpolated): f = 1880 MHz; σ = 1.396 S/m; ε_r = 40.248; ρ = 1000 kg/m^3
Phantom section: Right Section

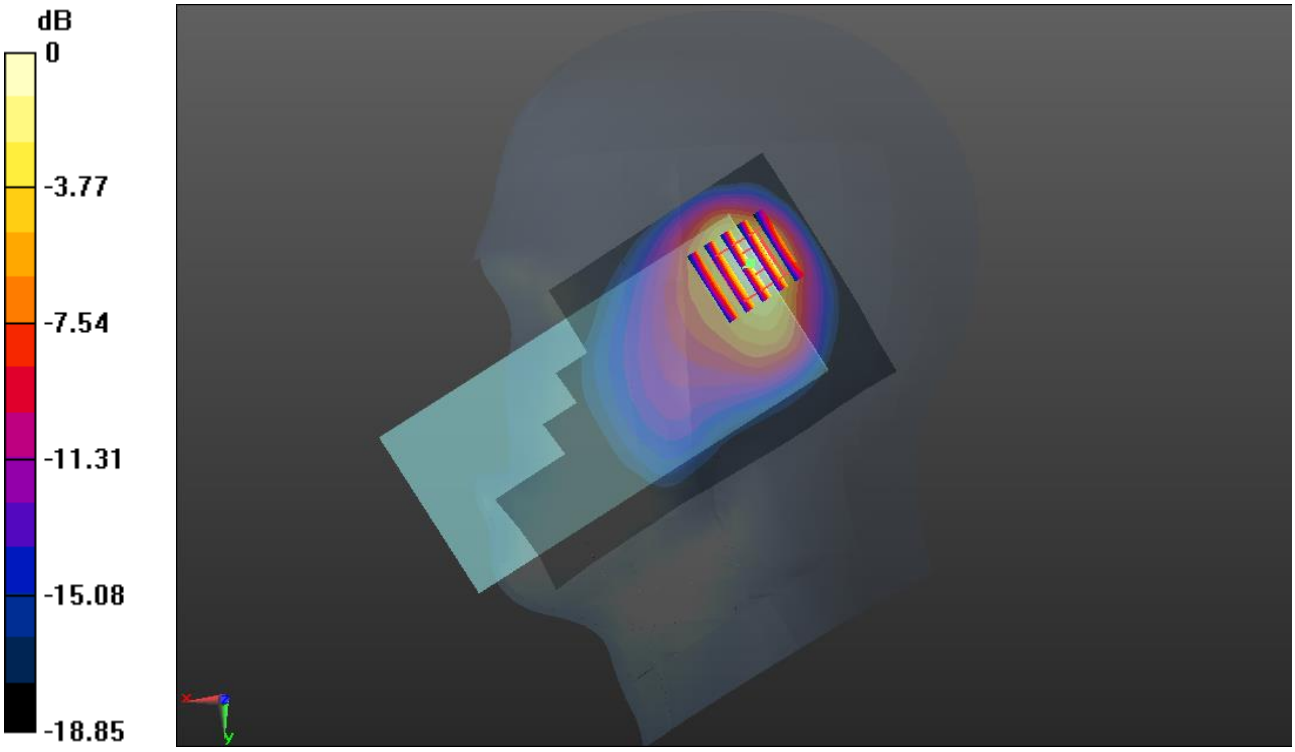
Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- 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) = 1.10 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.40 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.92 W/kg
SAR(1 g) = 0.971 W/kg; SAR(10 g) = 0.467 W/kg
Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg

Meas.4 Body Plane with Back Side 10mm on Middle Channel in GPRS1900 4Slots mode with Antenna 1

Date: 2024.08.07

Communication System Band: PCS1900; Frequency: 1880 MHz;Duty Cycle: 1:2.08

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.396 S/m; ε_r = 40.248; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- 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) = 0.375 W/kg

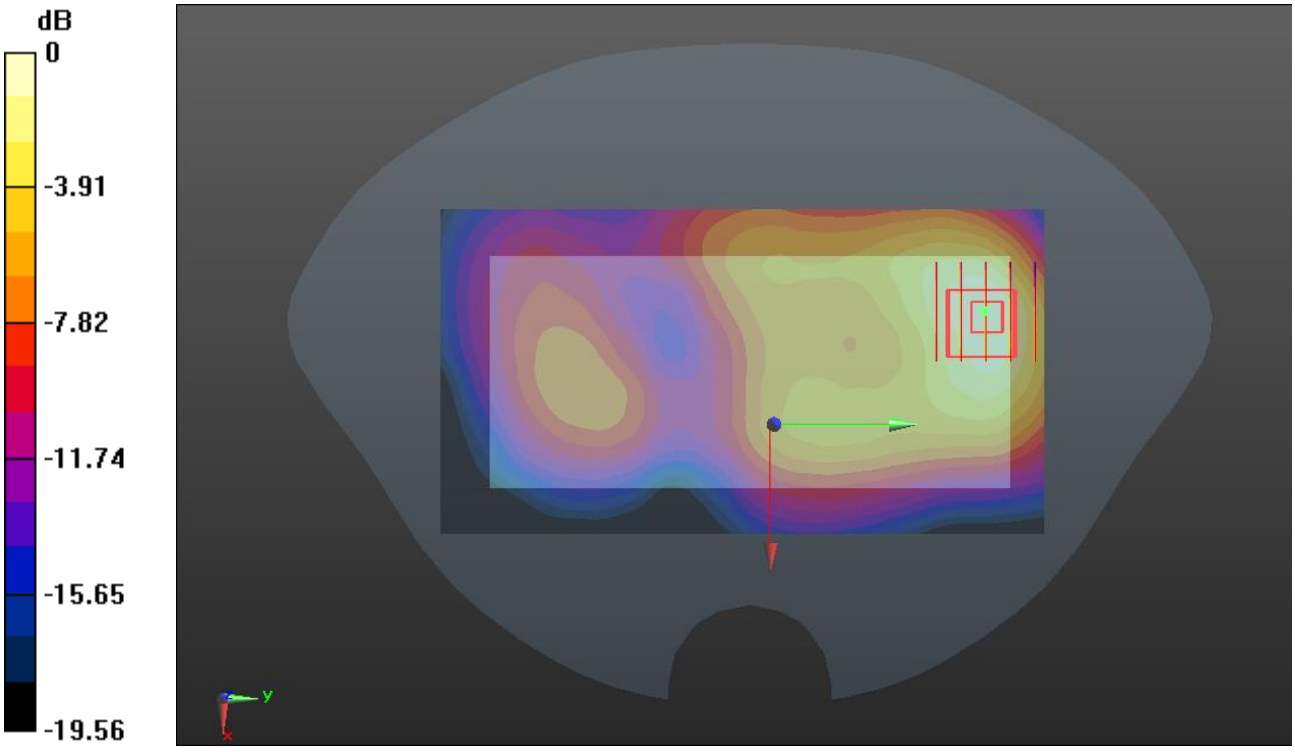
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.706 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.544 W/kg

SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.192 W/kg

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



0 dB = 0.356 W/kg

Meas.5 Right Head with Tilt on Middle Channel in WCDMA Band2 mode with Antenna 2

Date: 2024.08.07

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.396 S/m; ε_r = 40.248; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- 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) = 0.676 W/kg

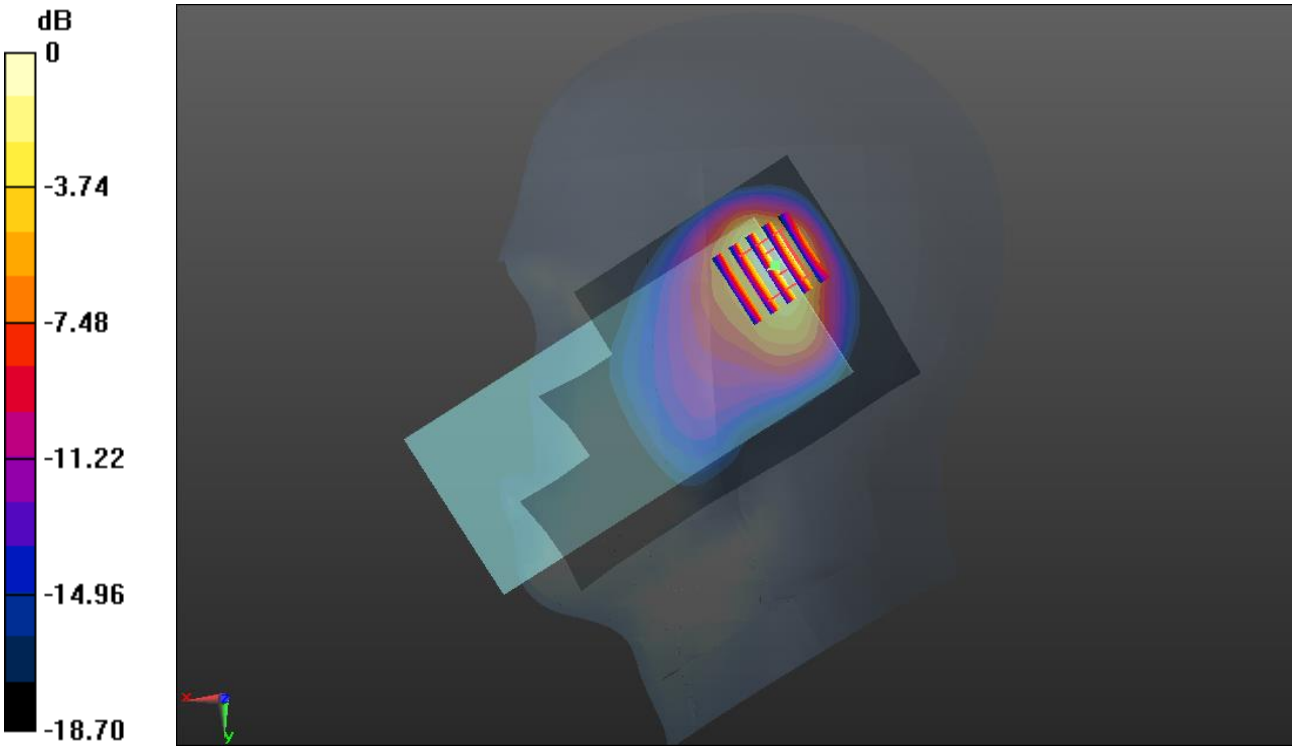
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.23 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.617 W/kg; SAR(10 g) = 0.296 W/kg

Maximum value of SAR (measured) = 0.680 W/kg



0 dB = 0.680 W/kg

Meas.6 Body Plane with Bottom Edge 10mm on High Channel in WCDMA Band2 mode with Antenna 1

Date: 2024.08.07

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

Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.401 S/m; ε_r = 40.048; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.330 W/kg

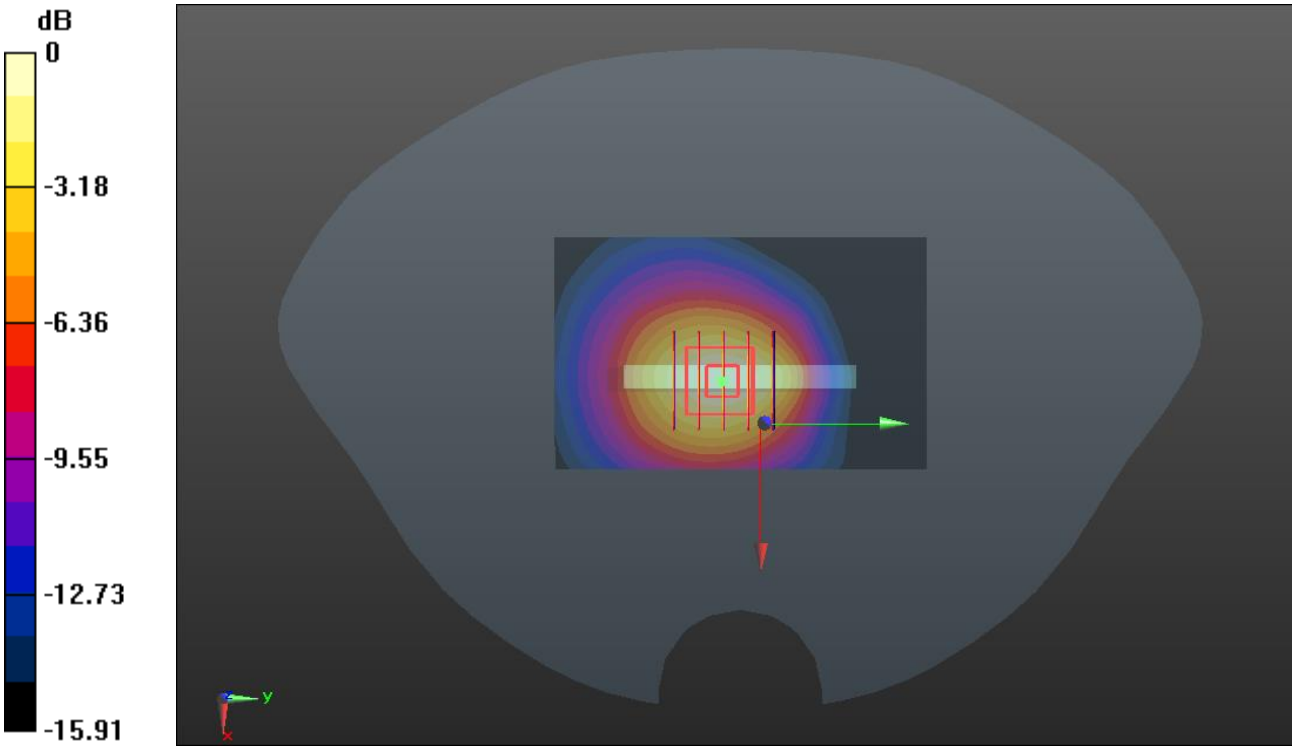
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.37 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.452 W/kg

SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.166 W/kg

Maximum value of SAR (measured) = 0.312 W/kg



0 dB = 0.312 W/kg

Meas.7 Right Head with Tilt on Low Channel in WCDMA Band4 mode with Antenna 2

Date: 2024.08.05

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

Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.331 S/m; ε_r = 40.509; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- 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) = 0.816 W/kg

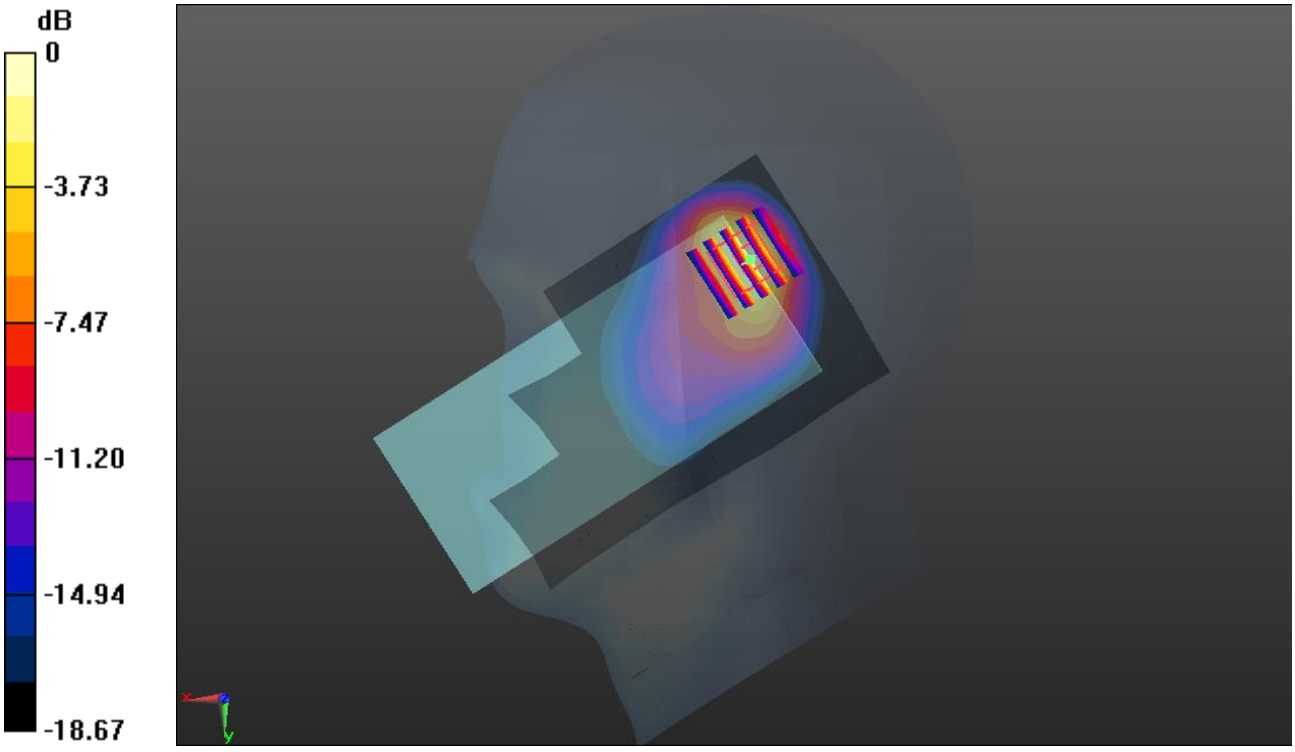
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.95 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.768 W/kg; SAR(10 g) = 0.357 W/kg

Maximum value of SAR (measured) = 0.928 W/kg



0 dB = 0.928 W/kg

Meas.8 Body Plane with Bottom Edge 10mm on Low Channel in WCDMA Band4 mode with Antenna 1

Date: 2024.08.05

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

Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.331 S/m; ε_r = 40.509; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1312/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.288 W/kg

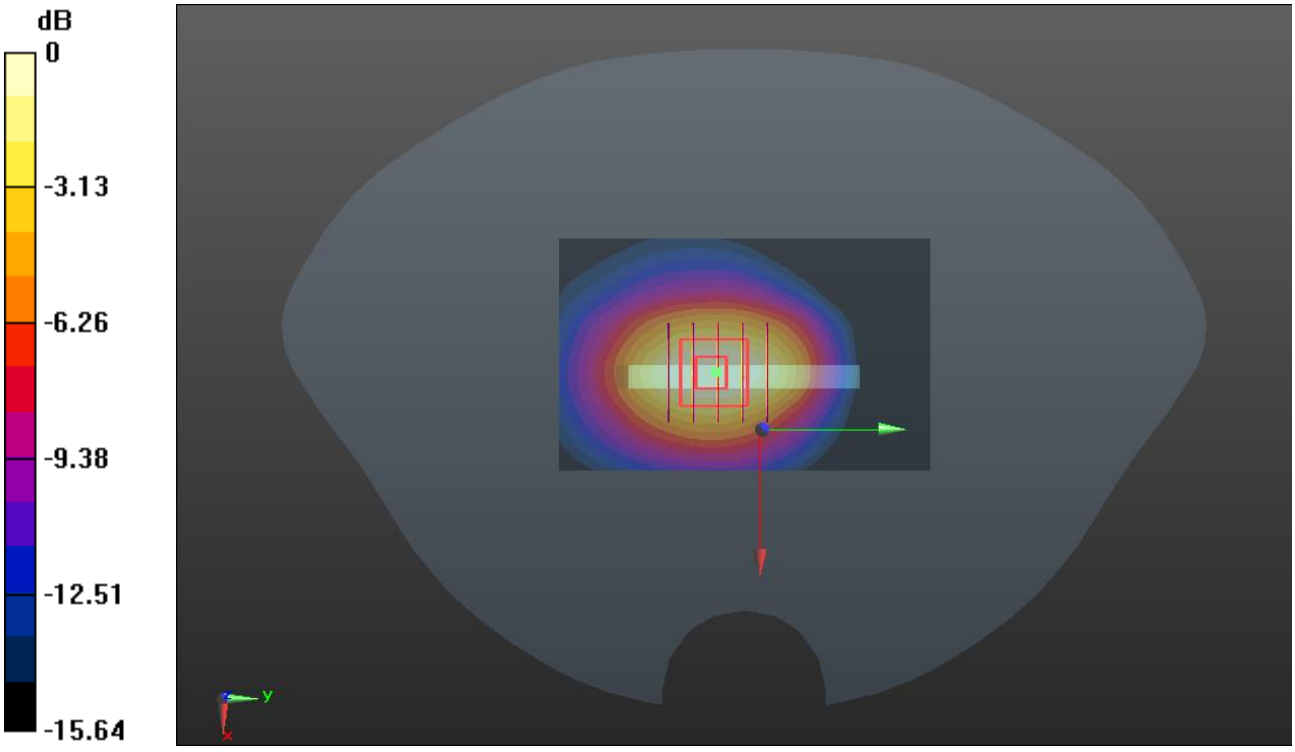
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.71 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.364 W/kg

SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.138 W/kg

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



0 dB = 0.258 W/kg

Meas.9 Right Head with Cheek on High Channel in WCDMA Band5 mode with Antenna 2

Date: 2024.08.01

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

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.926 S/m; ε_r = 41.275; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- 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) = 1.13 W/kg

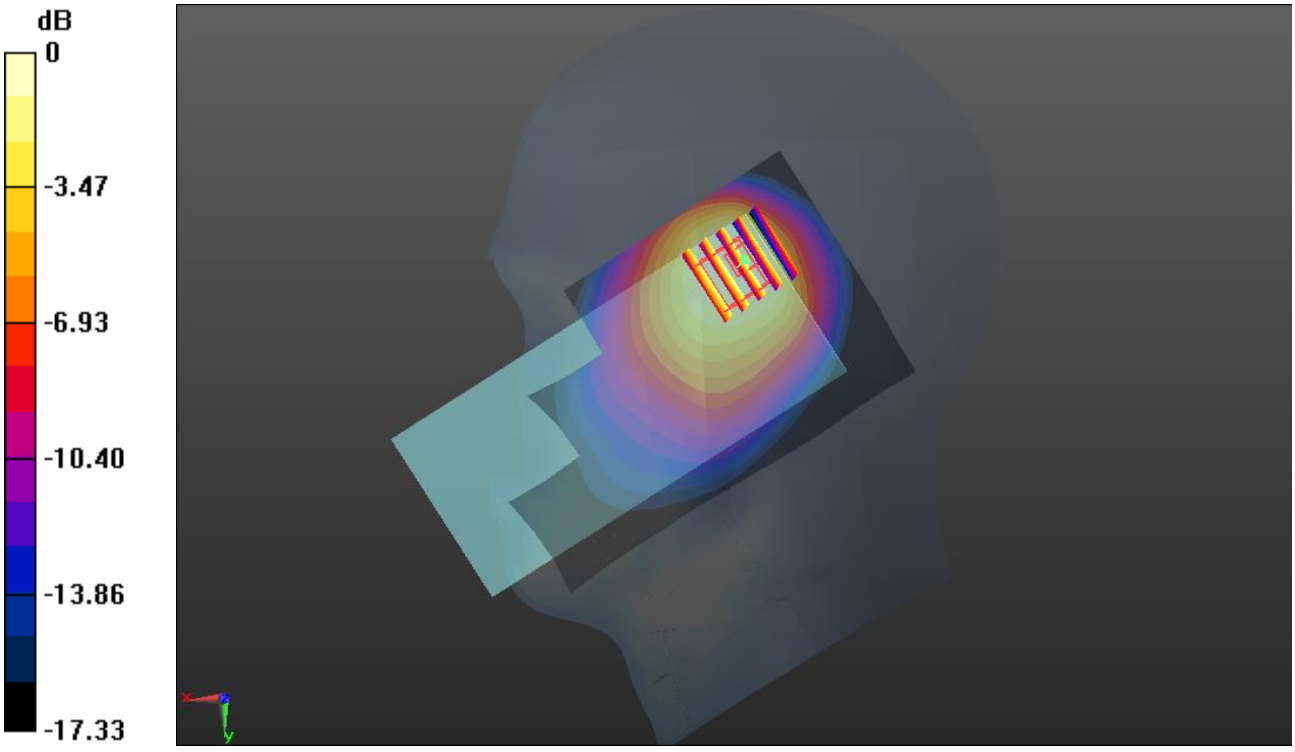
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.96 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.863 W/kg; SAR(10 g) = 0.557 W/kg

Maximum value of SAR (measured) = 0.907 W/kg



0 dB = 0.907 W/kg

Meas.10 Body Plane with Top Edge 10mm on High Channel in WCDMA Band5 mode with Antenna 2

Date: 2024.08.01

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

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.926 S/m; ε_r = 41.275; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

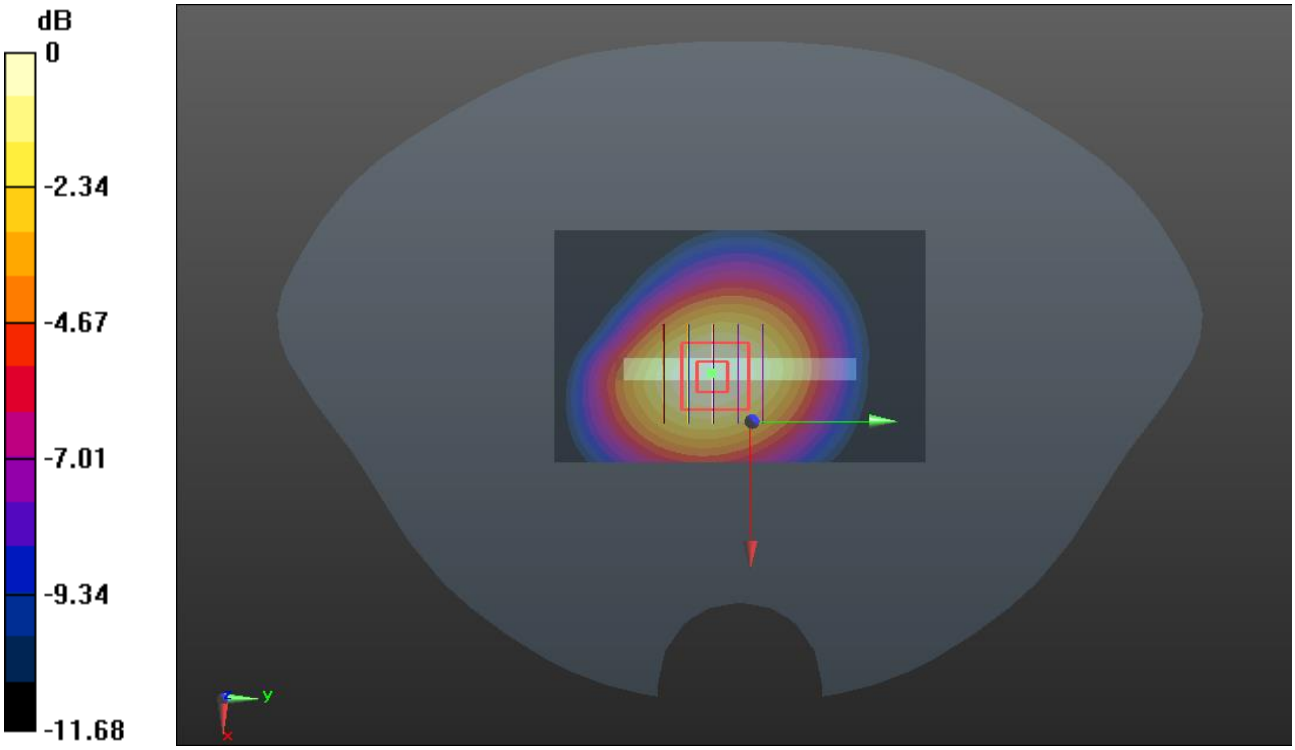
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.97 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.253 W/kg

SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.111 W/kg

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



0 dB = 0.186 W/kg

Meas.11 Right Head with Tilt on Middle Channel in LTE Band2 mode with Antenna 2

Date: 2024.08.08

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.392 S/m; ε_r = 40.116; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- 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) = 0.844 W/kg

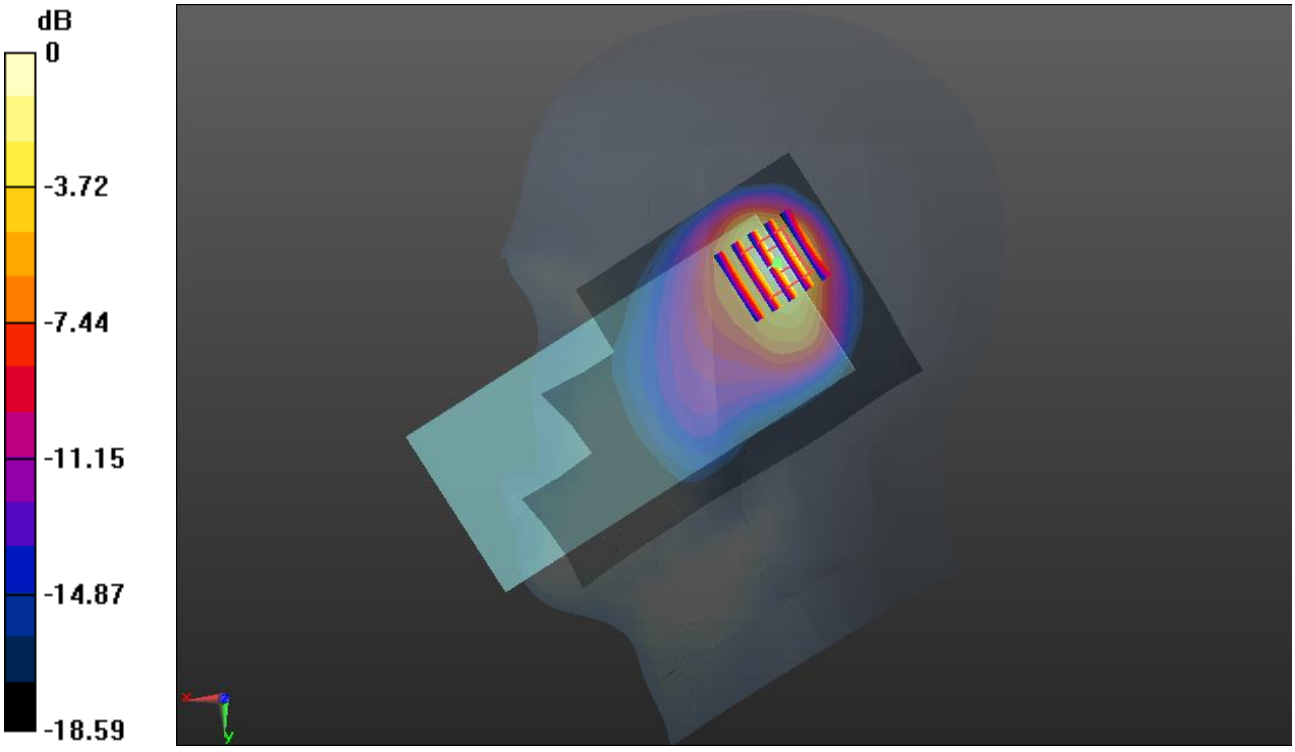
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.95 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.765 W/kg; SAR(10 g) = 0.368 W/kg

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



0 dB = 0.835 W/kg

Meas.12 Body Plane with Back Side 10mm on Middle Channel in LTE Band2 mode with Antenna 1

Date: 2024.08.08

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.392 S/m; ε_r = 40.116; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.19, 7.19, 7.19); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- 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) = 0.501 W/kg

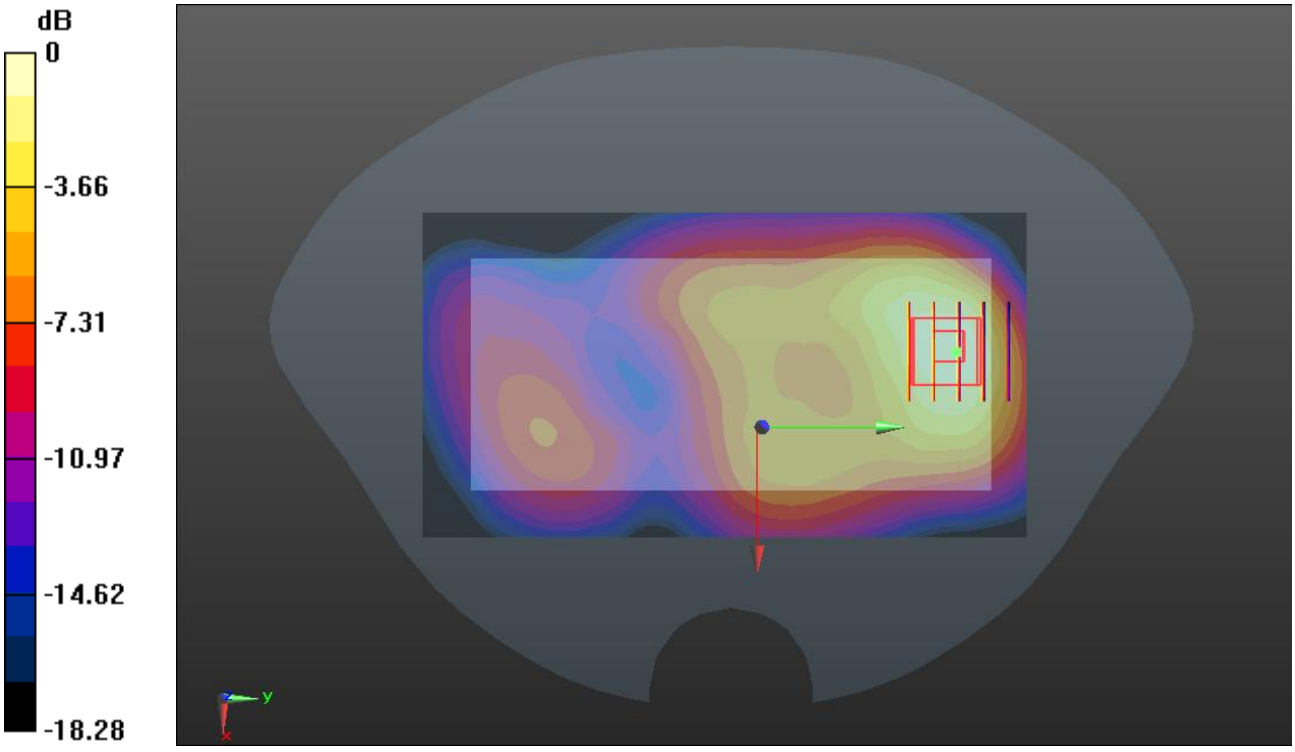
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.144 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.749 W/kg

SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.276 W/kg

Maximum value of SAR (measured) = 0.505 W/kg



0 dB = 0.505 W/kg

Meas.13 Right Head with Tilt on Middle Channel in LTE Band4 mode with Antenna 2

Date: 2024.08.05

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

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.36 S/m; ε_r = 40.362; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- 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) = 0.942 W/kg

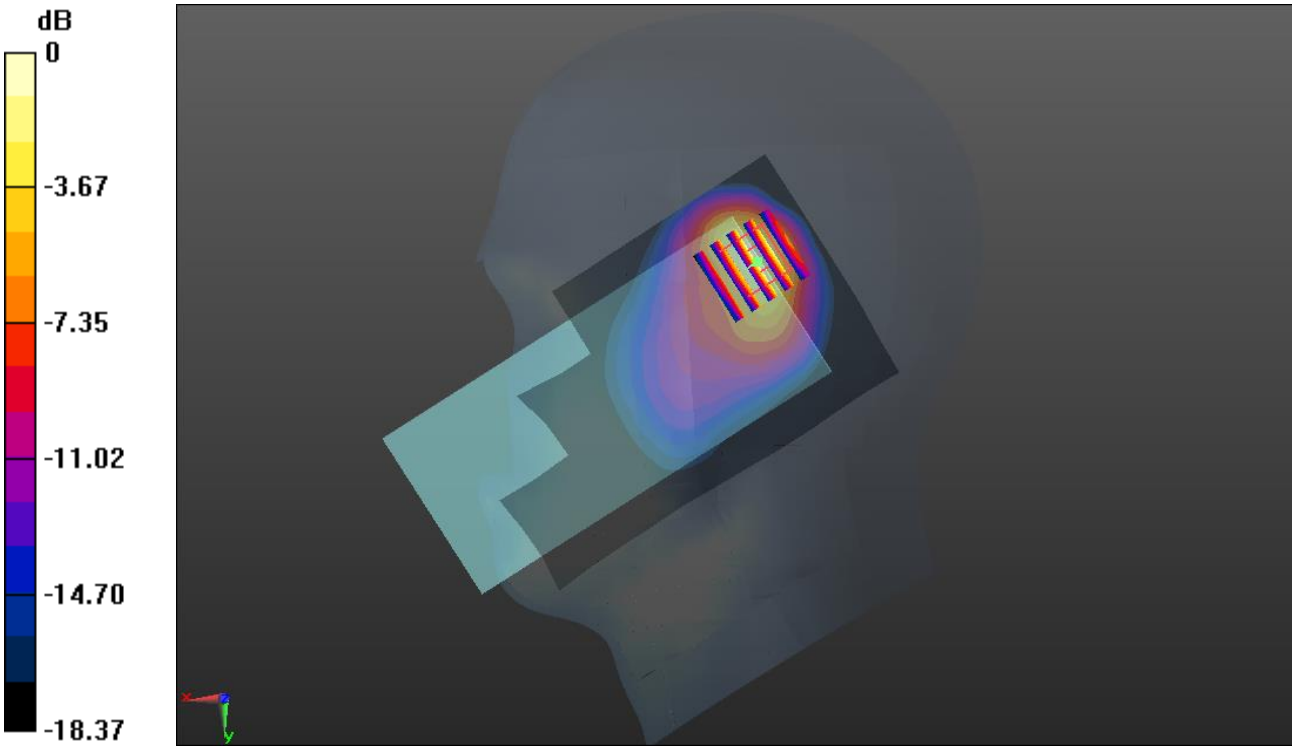
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.20 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 0.881 W/kg; SAR(10 g) = 0.412 W/kg

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



0 dB = 1.01 W/kg

Meas.14 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band4 mode with Antenna 1

Date: 2024.08.05

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

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.36 S/m; ε_r = 40.362; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.335 W/kg

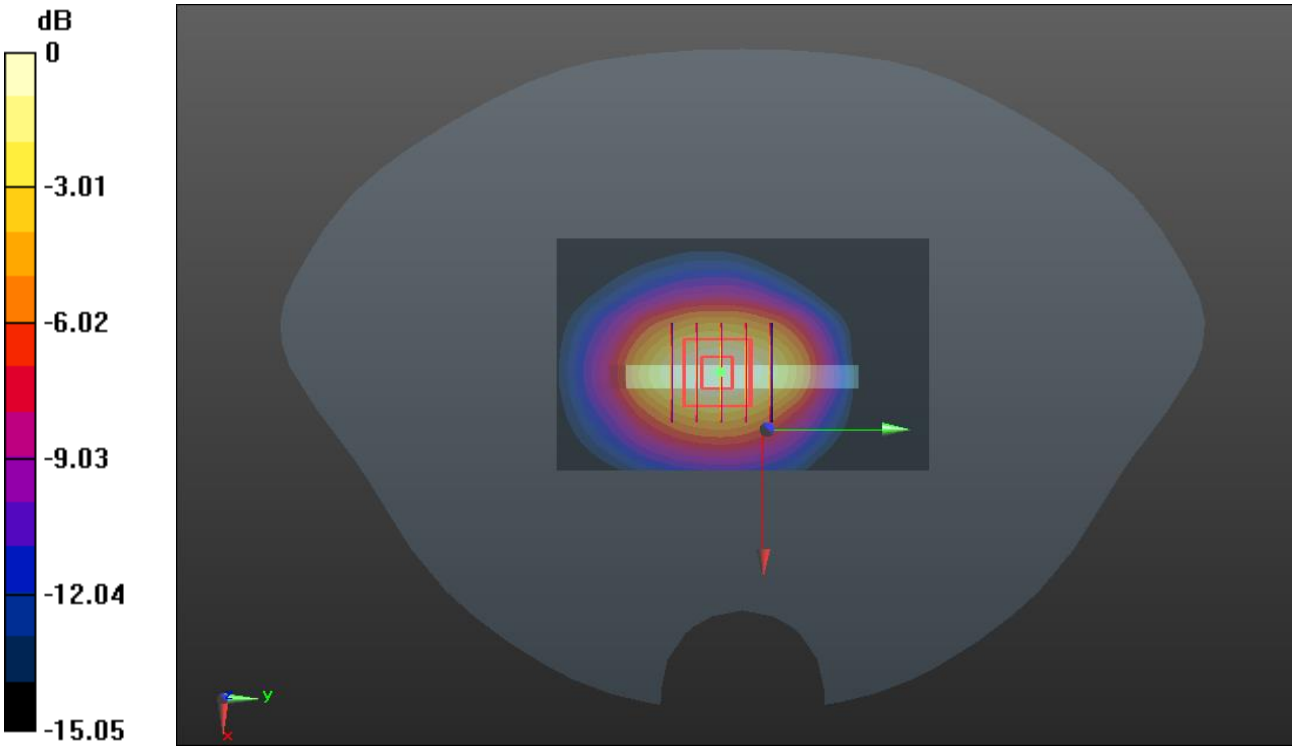
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.26 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.457 W/kg

SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.169 W/kg

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



0 dB = 0.313 W/kg

Meas.15 Right Head with Cheek on High Channel in LTE Band5 mode with Antenna 2

Date: 2024.08.02

Communication System Band: BAND 5; Frequency: 844 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 844 MHz; σ = 0.921 S/m; ε_r = 41.583; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20600/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

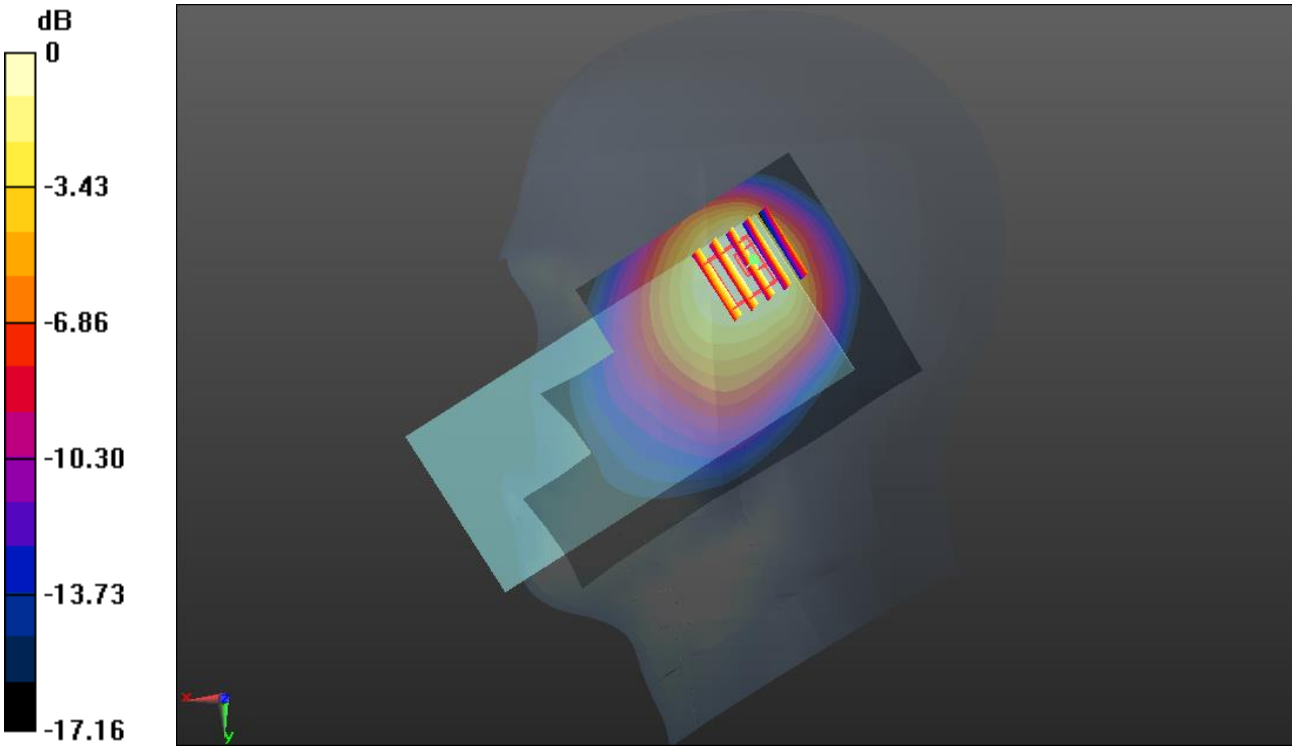
Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.23 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 0.949 W/kg; SAR(10 g) = 0.617 W/kg

Maximum value of SAR (measured) = 0.998 W/kg



0 dB = 0.998 W/kg

Meas.16 Body Plane with Top Edge 10mm on High Channel in LTE Band5 mode with Antenna 2

Date: 2024.08.02

Communication System Band: BAND 5; Frequency: 844 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 844 MHz; σ = 0.921 S/m; ε_r = 41.583; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.2℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.73, 8.73, 8.73); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20600/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.191 W/kg

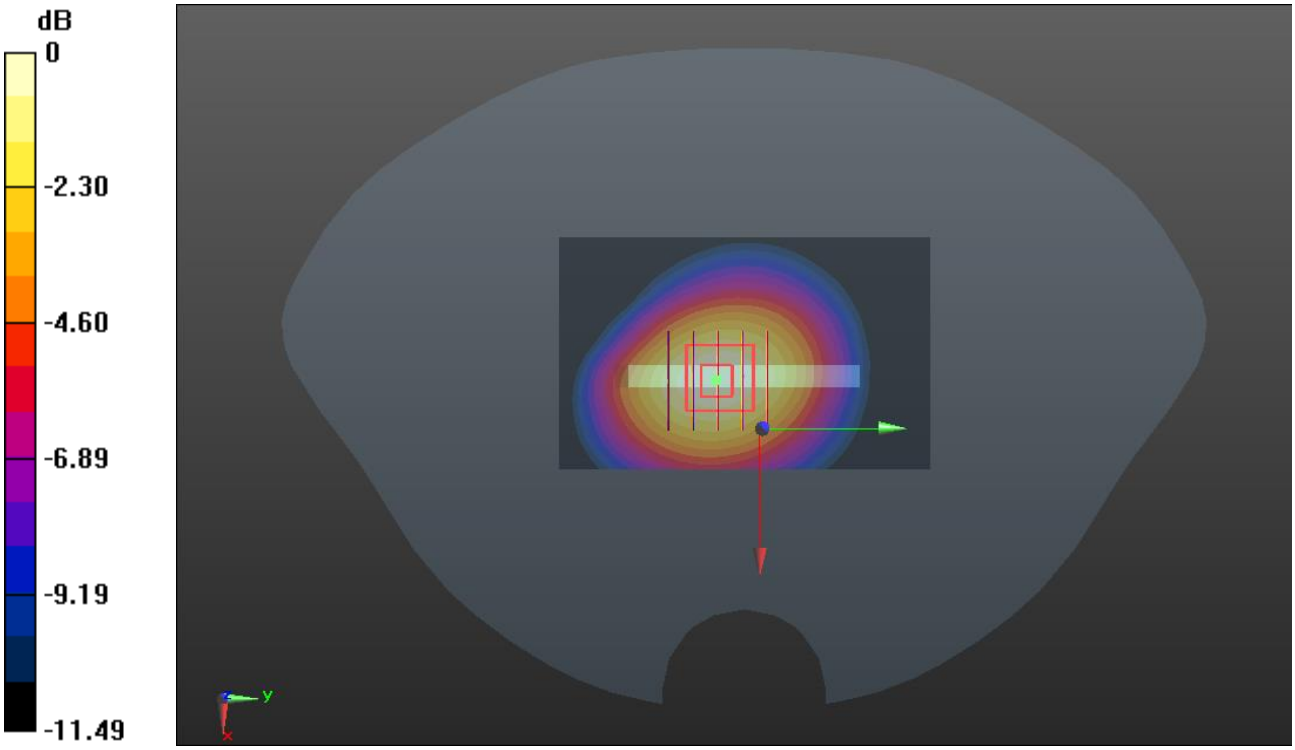
Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.91 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.251 W/kg

SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.187 W/kg



0 dB = 0.187 W/kg

Meas.17 Right Head with Tilt on High Channel in LTE Band7 mode with Antenna 2

Date: 2024.08.09

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

Medium parameters used (interpolated): f = 2560 MHz; σ = 1.926 S/m; ε_r = 39.358; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

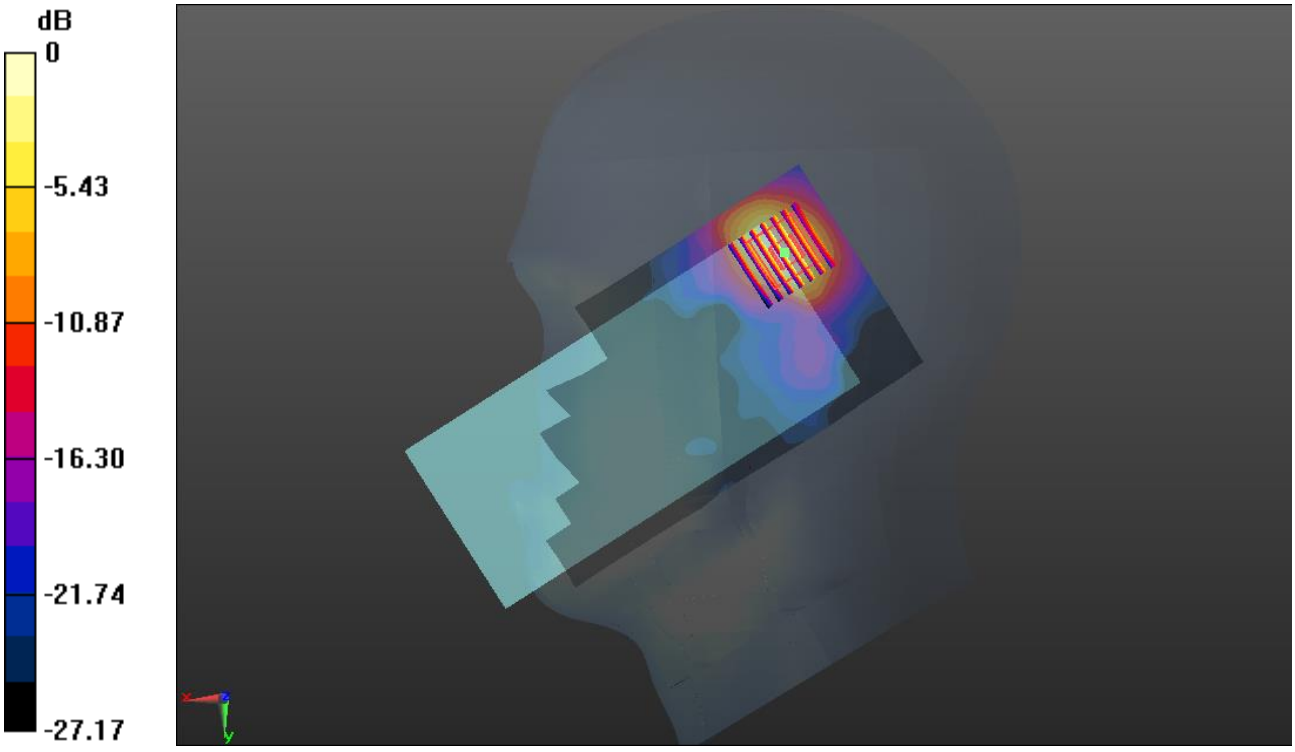
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.916 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.338 W/kg

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



0 dB = 1.06 W/kg

Meas.18 Body Plane with Bottom Edge 10mm on High Channel in LTE Band7 mode with Antenna 1

Date: 2024.08.09

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

Medium parameters used (interpolated): f = 2560 MHz; σ = 1.926 S/m; ε_r = 39.358; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.798 W/kg

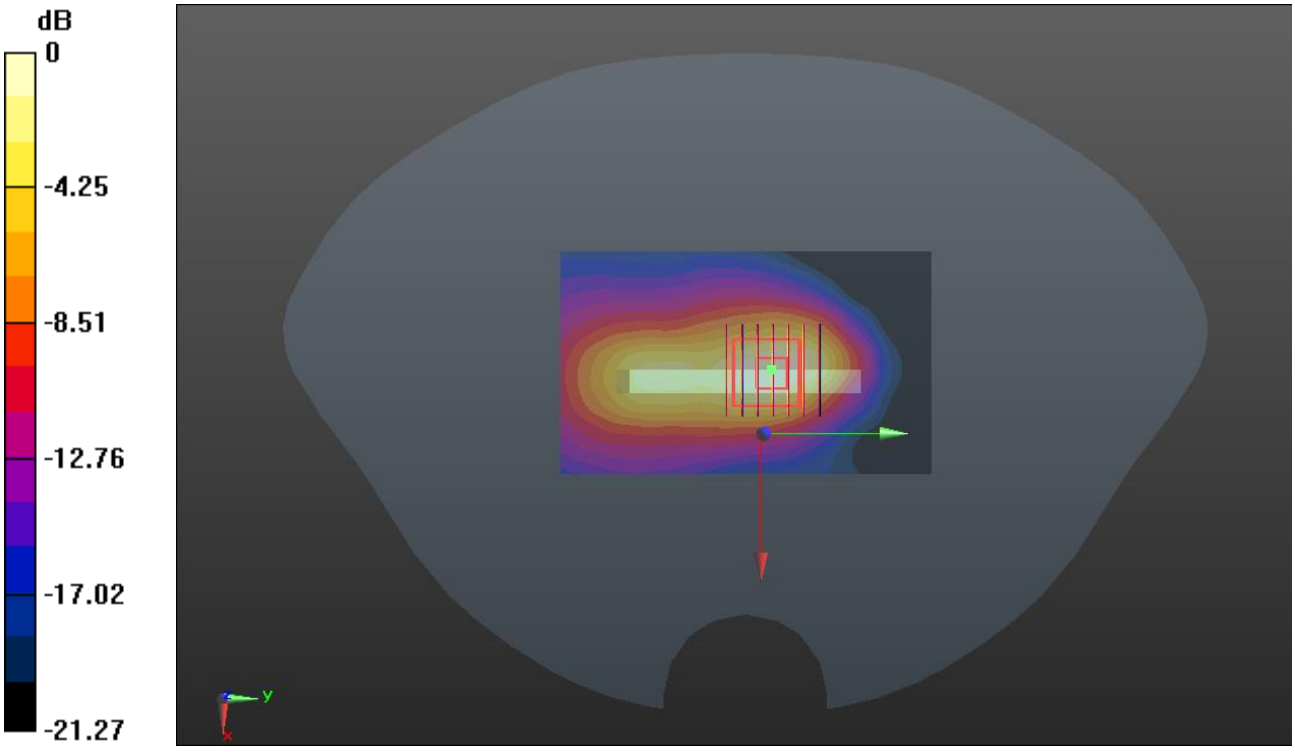
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.51 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.648 W/kg; SAR(10 g) = 0.303 W/kg

Maximum value of SAR (measured) = 0.743 W/kg



0 dB = 0.743 W/kg

Meas.19 Right Head with Cheek on High Channel in LTE Band12 mode with Antenna 2

Date: 2024.08.06

Communication System Band: BAND 12; Frequency: 711 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 711 MHz; σ = 0.888 S/m; ε_r = 42.377; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

Ch23130/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.853 W/kg

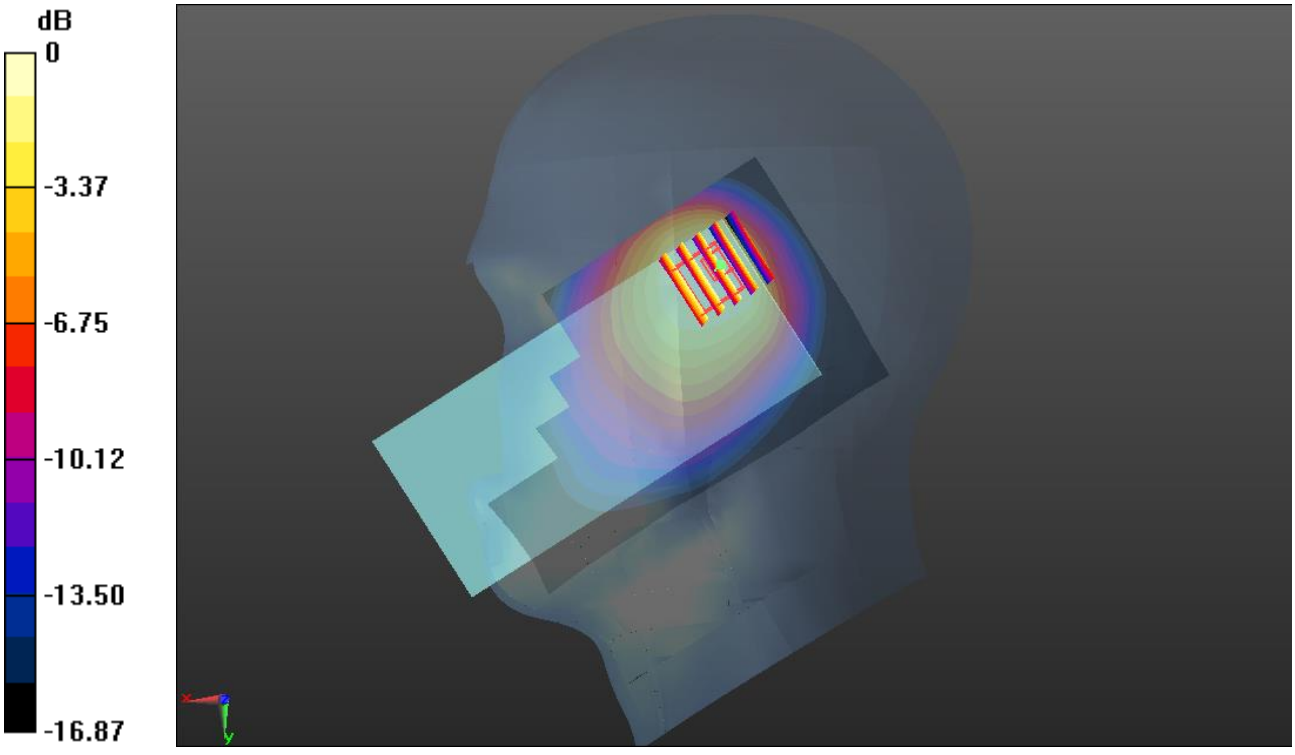
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.54 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.661 W/kg; SAR(10 g) = 0.415 W/kg

Maximum value of SAR (measured) = 0.695 W/kg



0 dB = 0.695 W/kg

Meas.20 Body Plane with Back Side 10mm on High Channel in LTE Band12 mode with Antenna 2

Date: 2024.08.06

Communication System Band: BAND 12; Frequency: 711 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 711 MHz; σ = 0.888 S/m; ε_r = 42.377; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

Ch23130/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

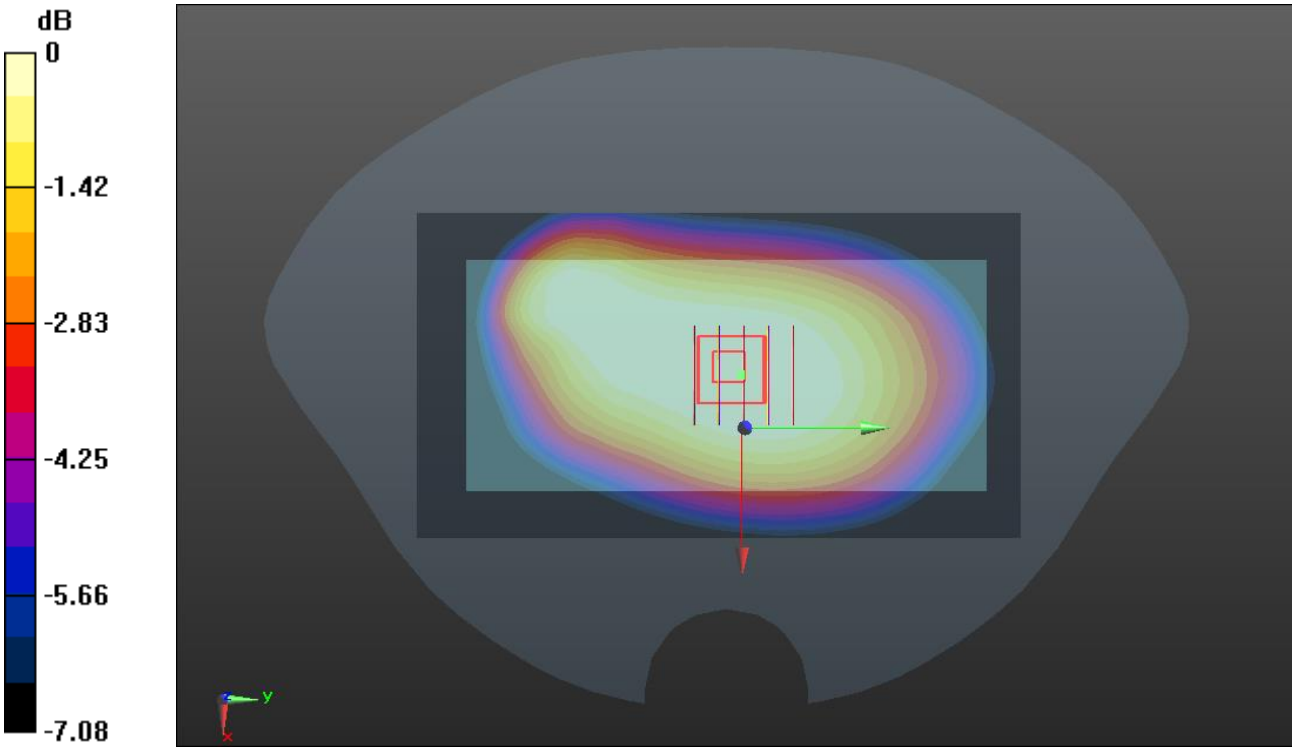
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.17 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.233 W/kg

SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.151 W/kg

Maximum value of SAR (measured) = 0.200 W/kg



0 dB = 0.200 W/kg

Meas.21 Right Head with Cheek on Middle Channel in LTE Band17 mode with Antenna 2

Date: 2024.08.06

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

Medium parameters used (interpolated): f = 710 MHz; σ = 0.883 S/m; ε_r = 42.614; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.880 W/kg

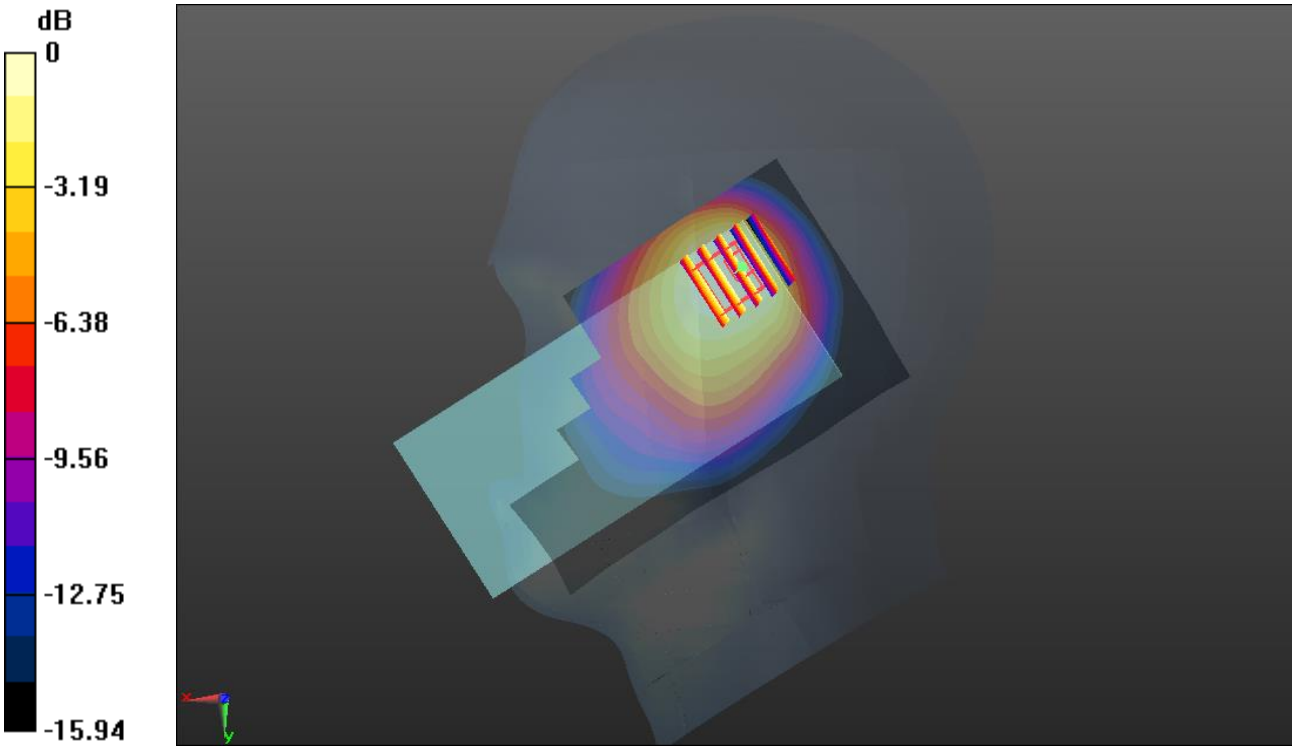
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.06 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.657 W/kg; SAR(10 g) = 0.429 W/kg

Maximum value of SAR (measured) = 0.687 W/kg



0 dB = 0.687 W/kg

Meas.22 Body Plane with Back Side 10mm on Middle Channel in LTE Band17 mode with Antenna 2

Date: 2024.08.06

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

Medium parameters used (interpolated): f = 710 MHz; σ = 0.883 S/m; ε_r = 42.614; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.209 W/kg

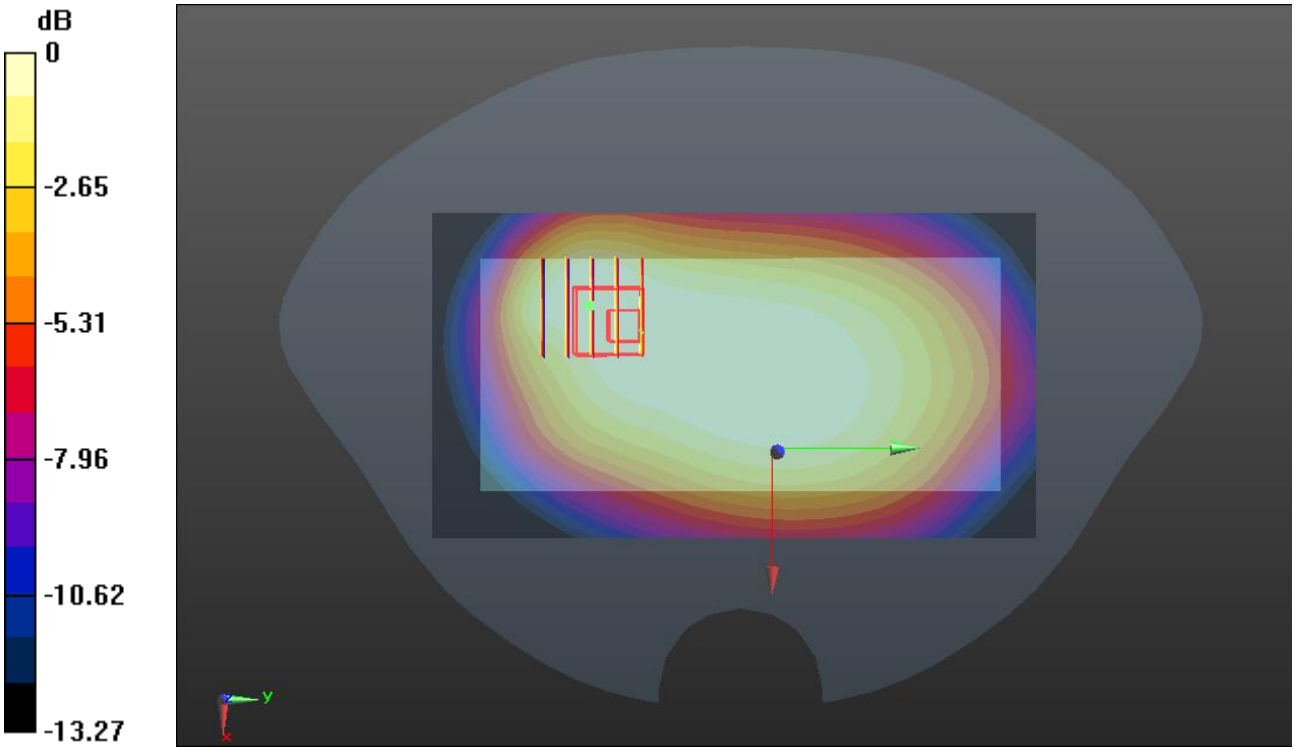
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.89 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.130 W/kg

Maximum value of SAR (measured) = 0.196 W/kg



0 dB = 0.196 W/kg

Meas.23 Right Head with Tilt on Low Channel in LTE Band66 mode with Antenna 2

Date: 2024.08.06

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

Medium parameters used (interpolated): f = 1720 MHz; σ = 1.358 S/m; ε_r = 40.658; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- 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) = 0.774 W/kg

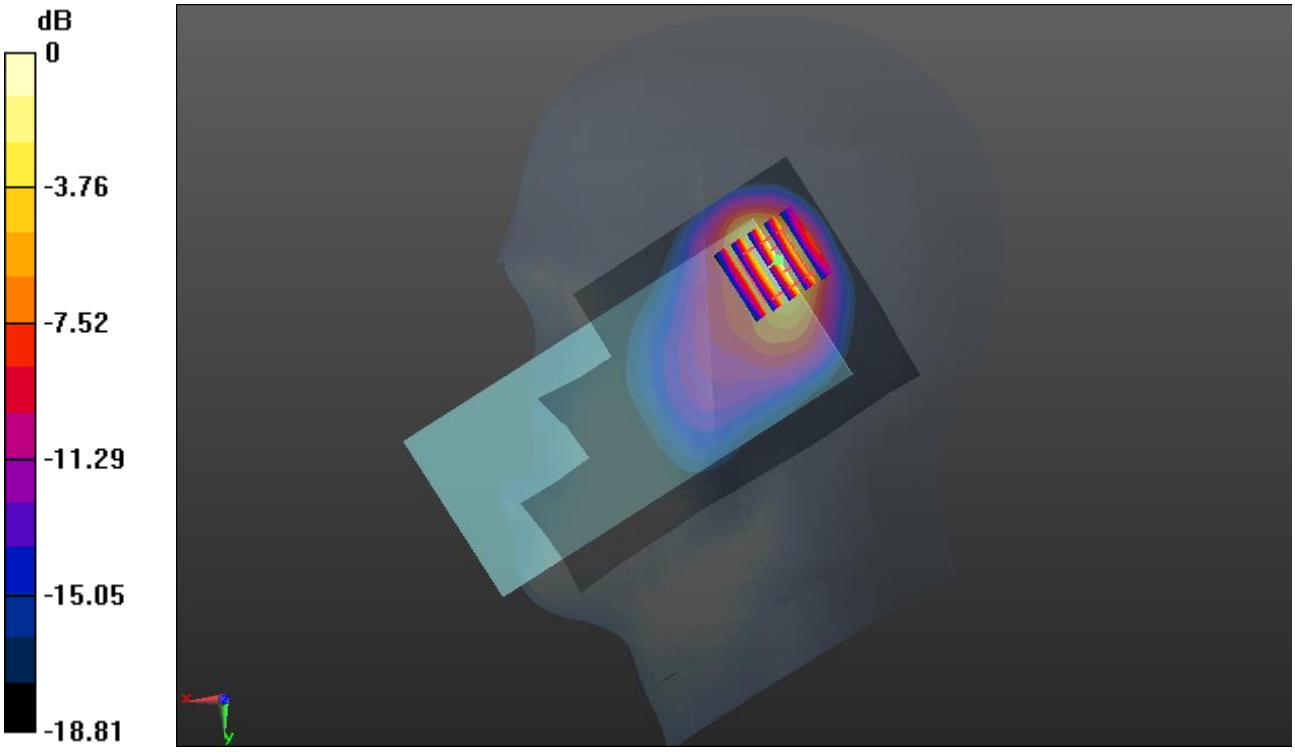
Ch132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.58 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.730 W/kg; SAR(10 g) = 0.341 W/kg

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



0 dB = 0.886 W/kg

Meas.24 Body Plane with Bottom Edge 10mm on Low Channel in LTE Band66 mode with Antenna 1

Date: 2024.08.06

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

Medium parameters used (interpolated): f = 1720 MHz; σ = 1.358 S/m; ε_r = 40.658; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.35, 7.35, 7.35); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132072/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

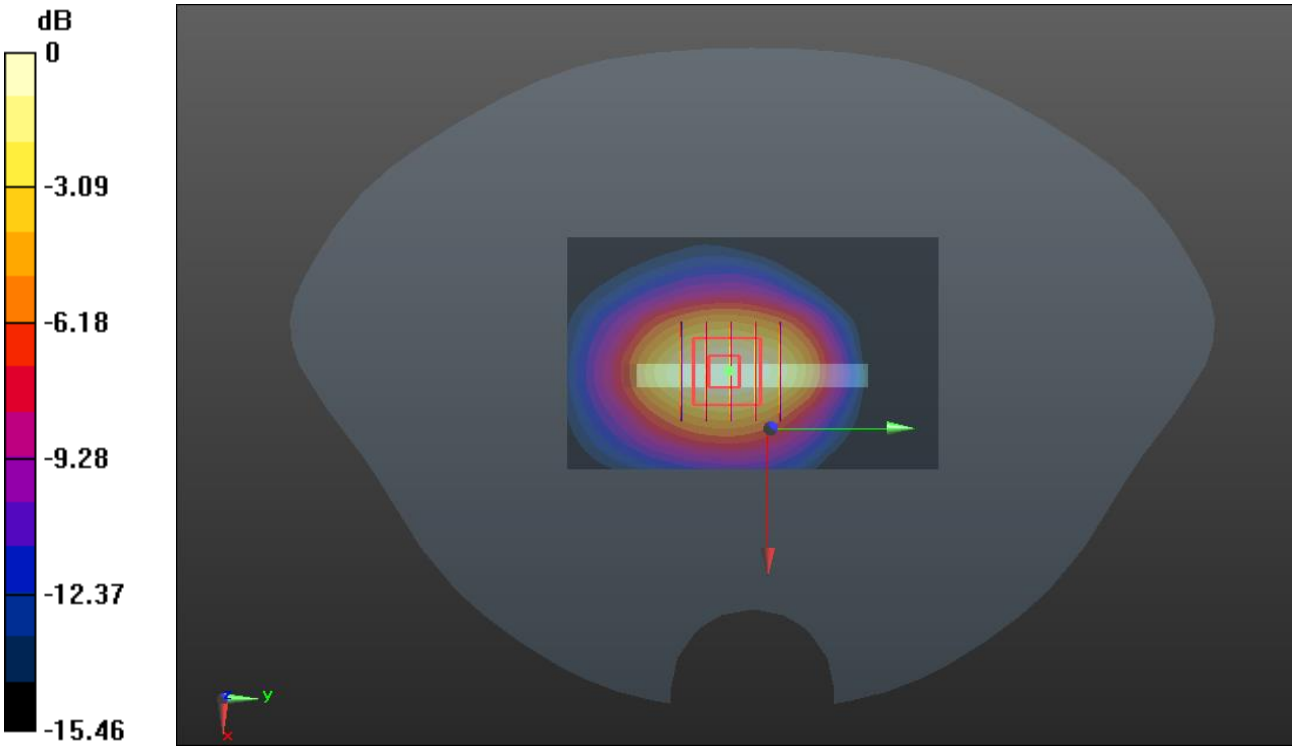
Ch132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.01 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.342 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.130 W/kg

Maximum value of SAR (measured) = 0.239 W/kg



0 dB = 0.239 W/kg

Meas.25 Right Head with Tilt on Low Channel in LTE Band38 mode with Antenna 2

Date: 2024.08.09

Communication System Band: BAND 38; Frequency: 2580 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2580 MHz; σ = 1.957 S/m; ε_r = 38.919; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.990 W/kg

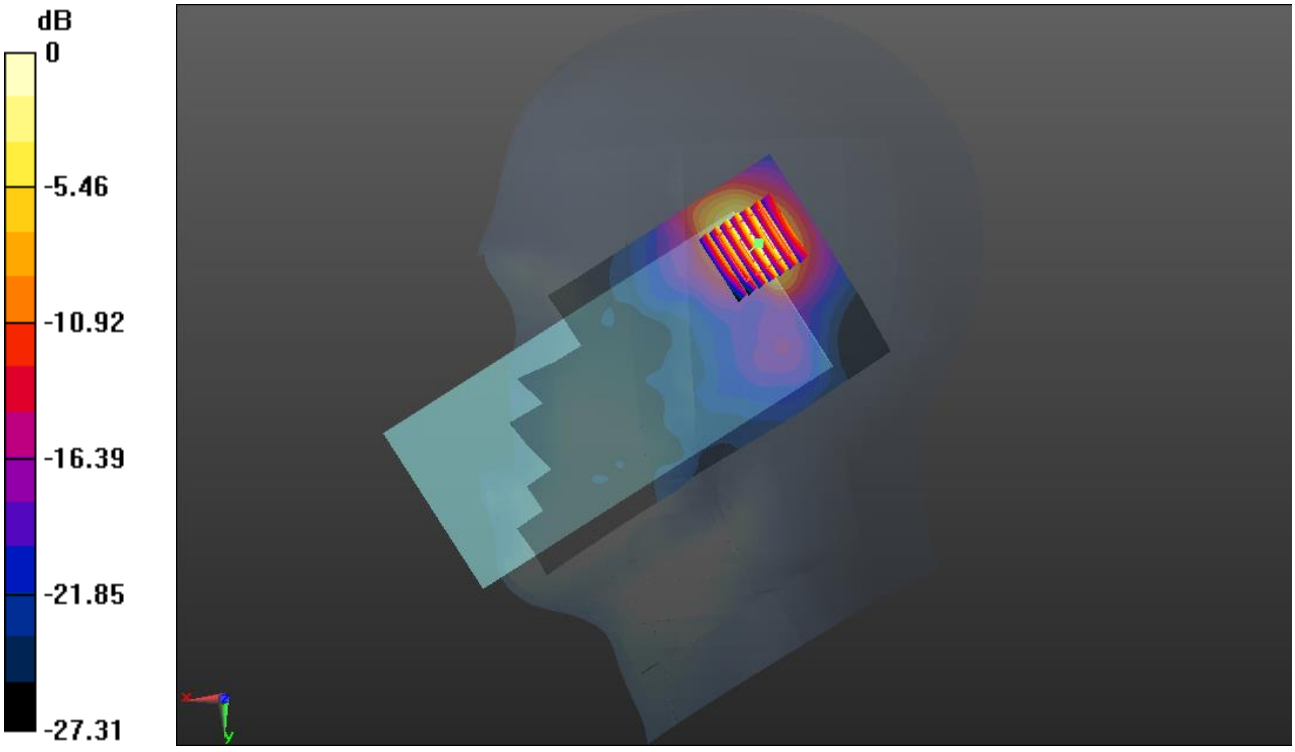
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.019 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.98 W/kg

SAR(1 g) = 0.832 W/kg; SAR(10 g) = 0.327 W/kg

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



0 dB = 1.01 W/kg

Meas.26 Body Plane with Bottom Edge 10mm on Low Channel in LTE Band38 mode with Antenna 1

Date: 2024.08.09

Communication System Band: BAND 38; Frequency: 2580 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2580 MHz; σ = 1.957 S/m; ε_r = 38.919; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

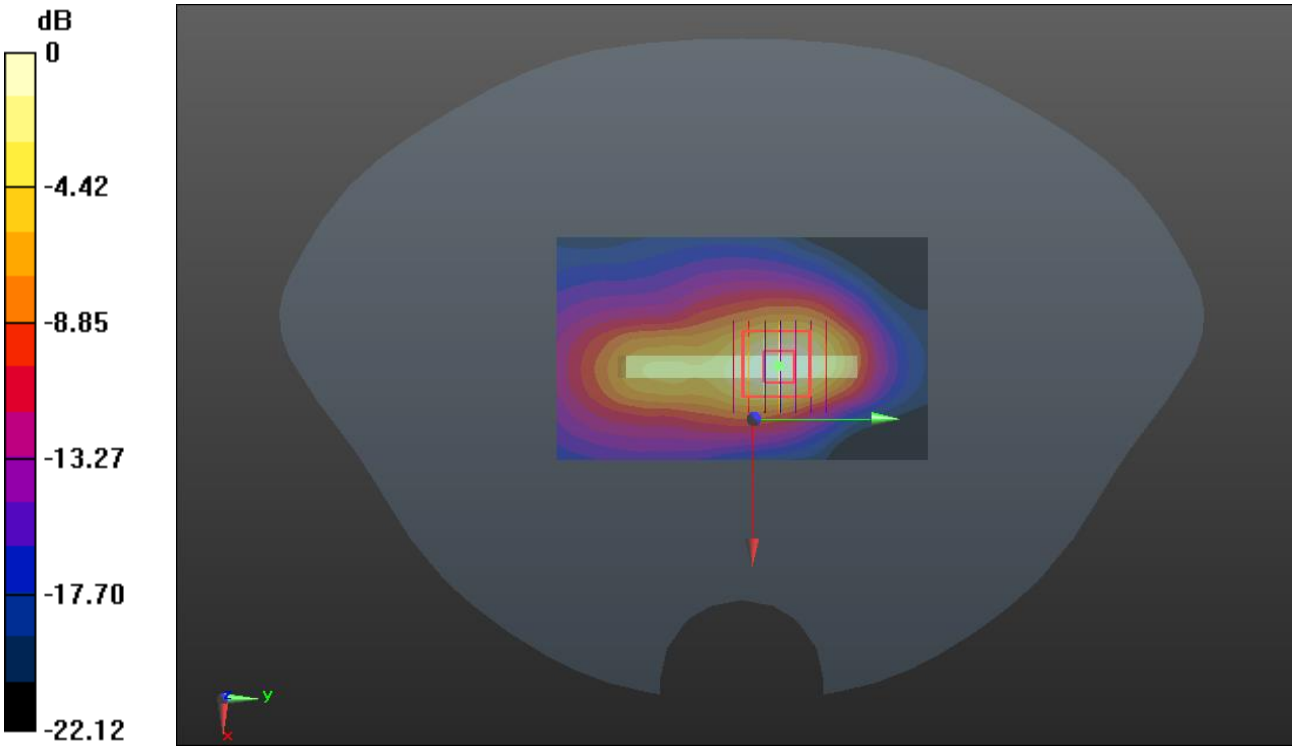
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.36 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.829 W/kg; SAR(10 g) = 0.378 W/kg

Maximum value of SAR (measured) = 0.967 W/kg



0 dB = 0.967 W/kg

Meas.27 Right Head with Tilt on Middle Channel in LTE Band41 mode with Antenna 2

Date: 2024.08.03

Communication System Band: BAND41; Frequency: 2595 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.965 S/m; ε_r = 39.575; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40640/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.969 W/kg

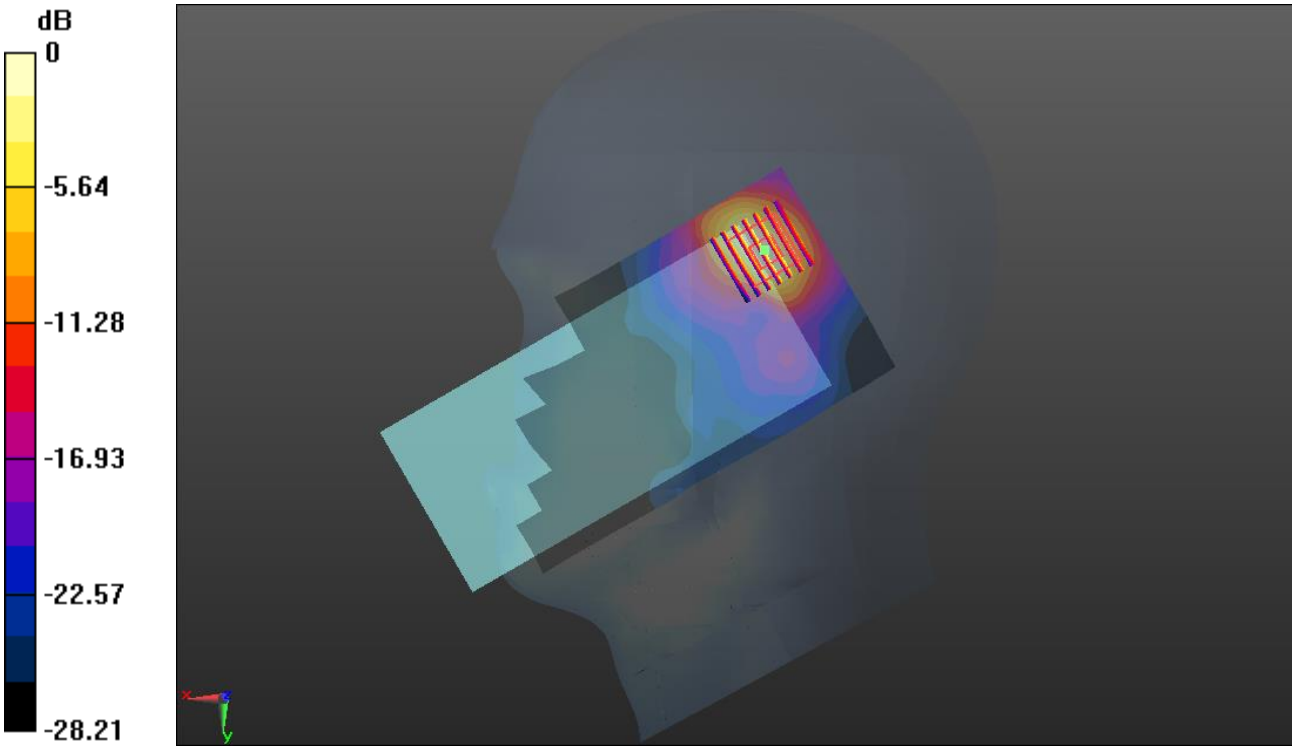
Ch40640/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.846 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 0.790 W/kg; SAR(10 g) = 0.305 W/kg

Maximum value of SAR (measured) = 0.959 W/kg



0 dB = 0.959 W/kg

Meas.28 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band41 mode with Antenna 1

Date: 2024.08.03

Communication System Band: BAND41; Frequency: 2595 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.965 S/m; ε_r = 39.575; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.8, 6.8, 6.8); Calibrated: 2024.04.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40640/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

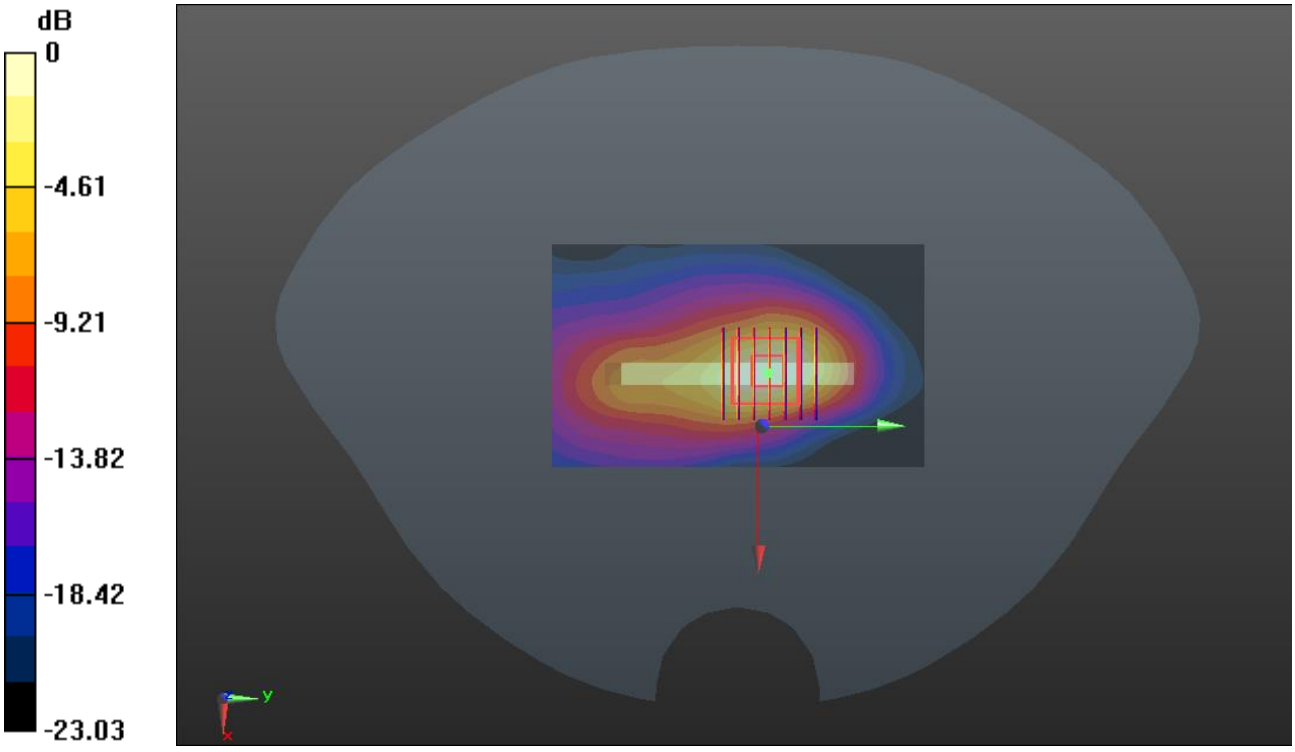
Ch40640/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.31 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 0.855 W/kg; SAR(10 g) = 0.386 W/kg

Maximum value of SAR (measured) = 0.993 W/kg



0 dB = 0.993 W/kg

Meas.29 Left Head with Cheek on 11 Channel in IEEE802.11b mode with Antenna 4

Date: 2024.08.11

Communication System Band: 2.4G; Frequency: 2462 MHz;Duty Cycle: 1:1.006

Medium parameters used (interpolated): f = 2462 MHz; σ = 1.811 S/m; ε_r = 39.296; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

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

Ch11/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.716 W/kg

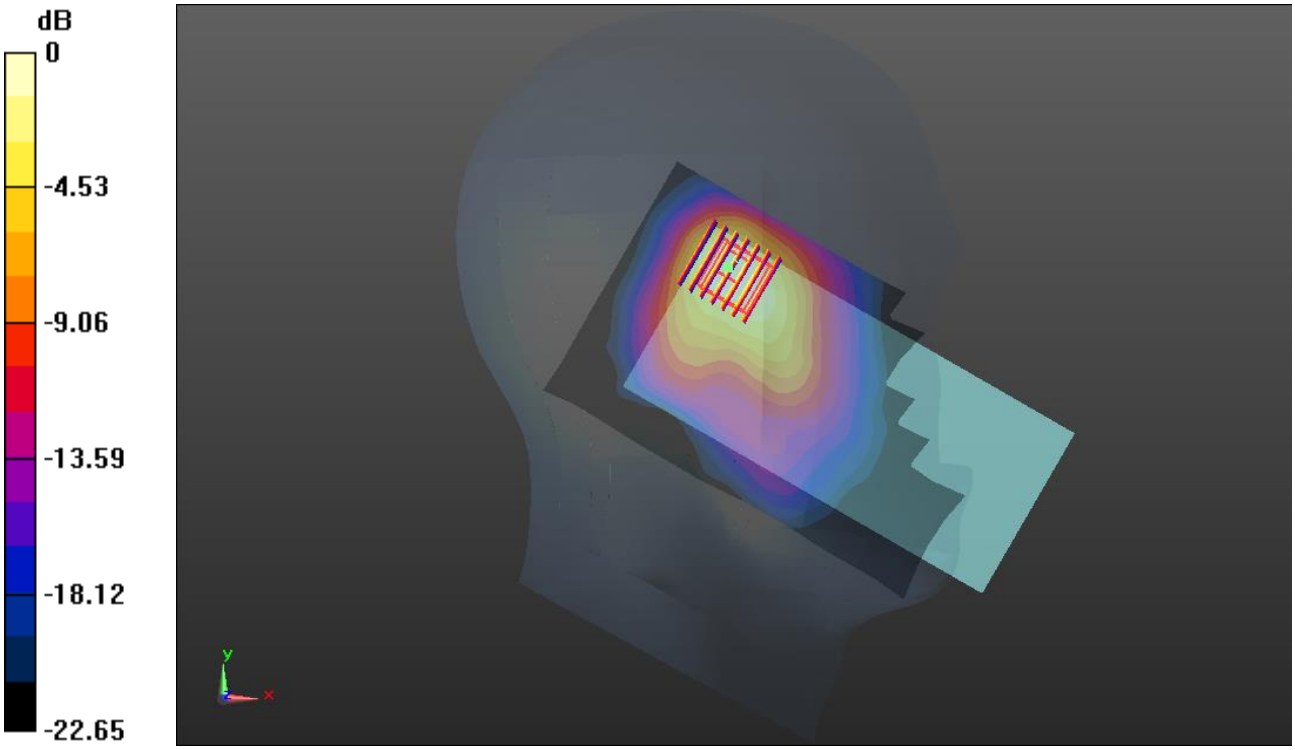
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.172 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.550 W/kg; SAR(10 g) = 0.280 W/kg

Maximum value of SAR (measured) = 0.603 W/kg



0 dB = 0.603 W/kg

Meas.30 Body Plane with Back Side 10mm on 11 Channel in IEEE802.11b mode with Antenna 4

Date: 2024.08.11

Communication System Band: 2.4G; Frequency: 2462 MHz;Duty Cycle: 1:1.006

Medium parameters used (interpolated): f = 2462 MHz; σ = 1.811 S/m; ε_r = 39.296; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

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

Ch11/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.270 W/kg

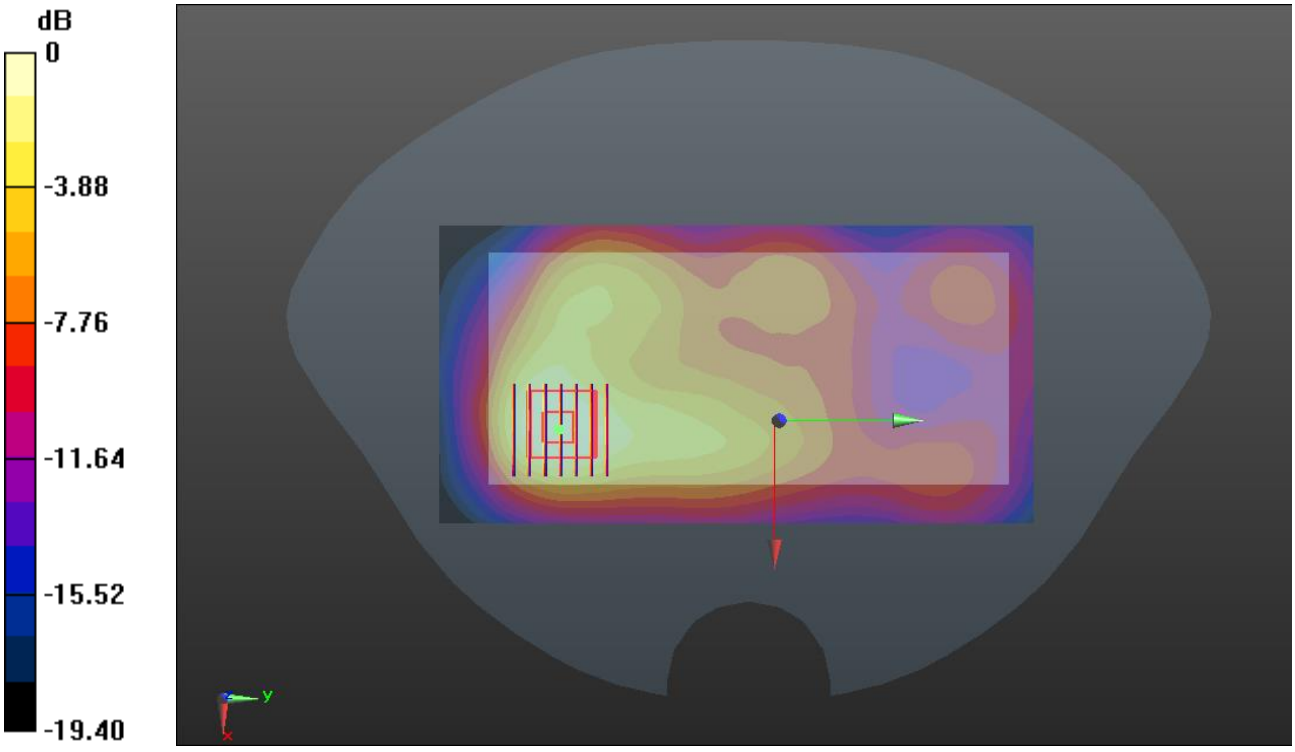
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.797 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.403 W/kg

SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.111 W/kg

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



0 dB = 0.234 W/kg

Meas.31 Left Head with Cheek on 54 Channel in IEEE802.11n40 mode with Antenna 4

Date: 2024.08.12

Communication System Band: 5.3G; Frequency: 5270 MHz;Duty Cycle: 1:1.043

Medium parameters used (interpolated): f = 5270 MHz; σ = 4.788 S/m; ε_r = 35.533; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

Ch54/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.549 W/kg

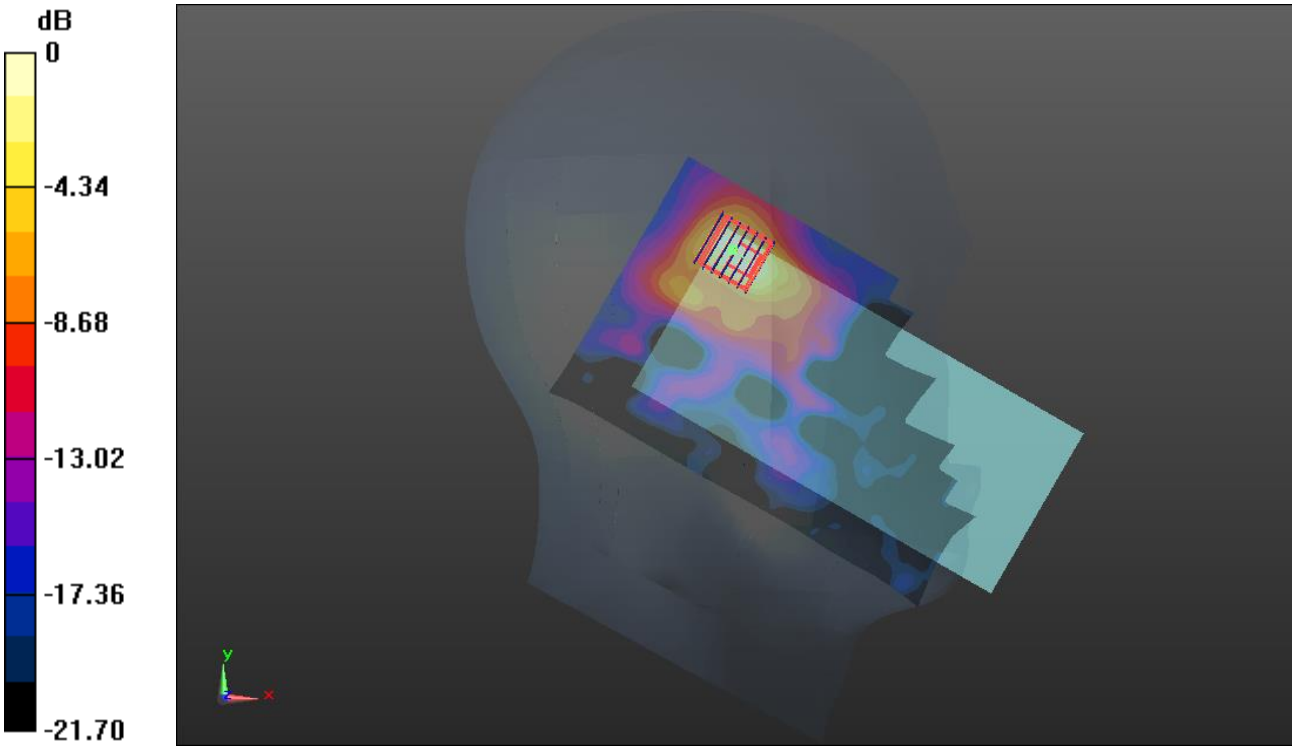
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.471 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.094 W/kg

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



0 dB = 0.552 W/kg

Meas.32 Left Head with Cheek on 134 Channel in IEEE802.11n40 mode with Antenna 4

Date: 2024.08.12

Communication System Band: 5.6G; Frequency: 5670 MHz;Duty Cycle: 1:1.043

Medium parameters used (interpolated): f = 5670 MHz; σ = 5.15 S/m; ε_r = 35.617; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

Ch134/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.14 W/kg

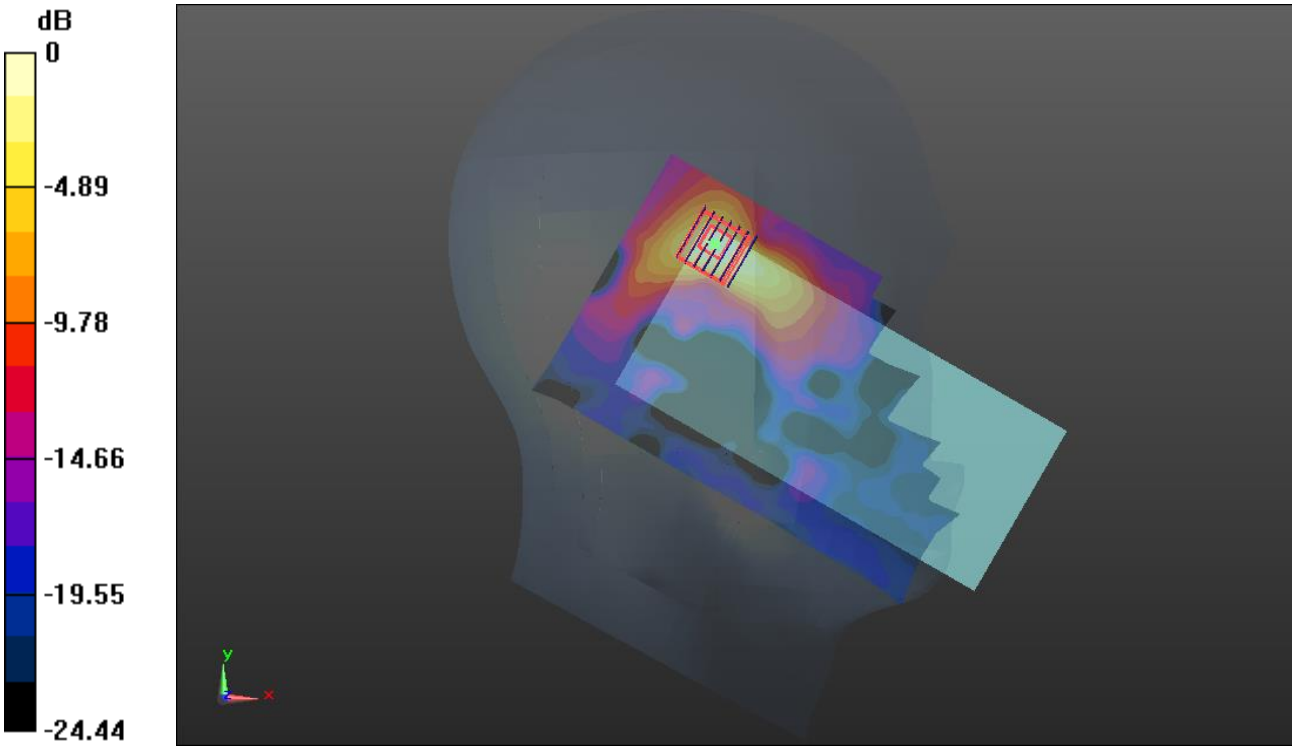
Ch134/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.997 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.25 W/kg

SAR(1 g) = 0.527 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg

Meas.33 Left Head with Cheek on 151 Channel in IEEE802.11n40 mode with Antenna 4

Date: 2024.08.13

Communication System Band: 5.8G; Frequency: 5755 MHz;Duty Cycle: 1:1.043

Medium parameters used (interpolated): f = 5755 MHz; σ = 5.274 S/m; ε_r = 35.312; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5℃ Liquid Temperature:21.7℃

DASY5 Configuration:

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

Ch151/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

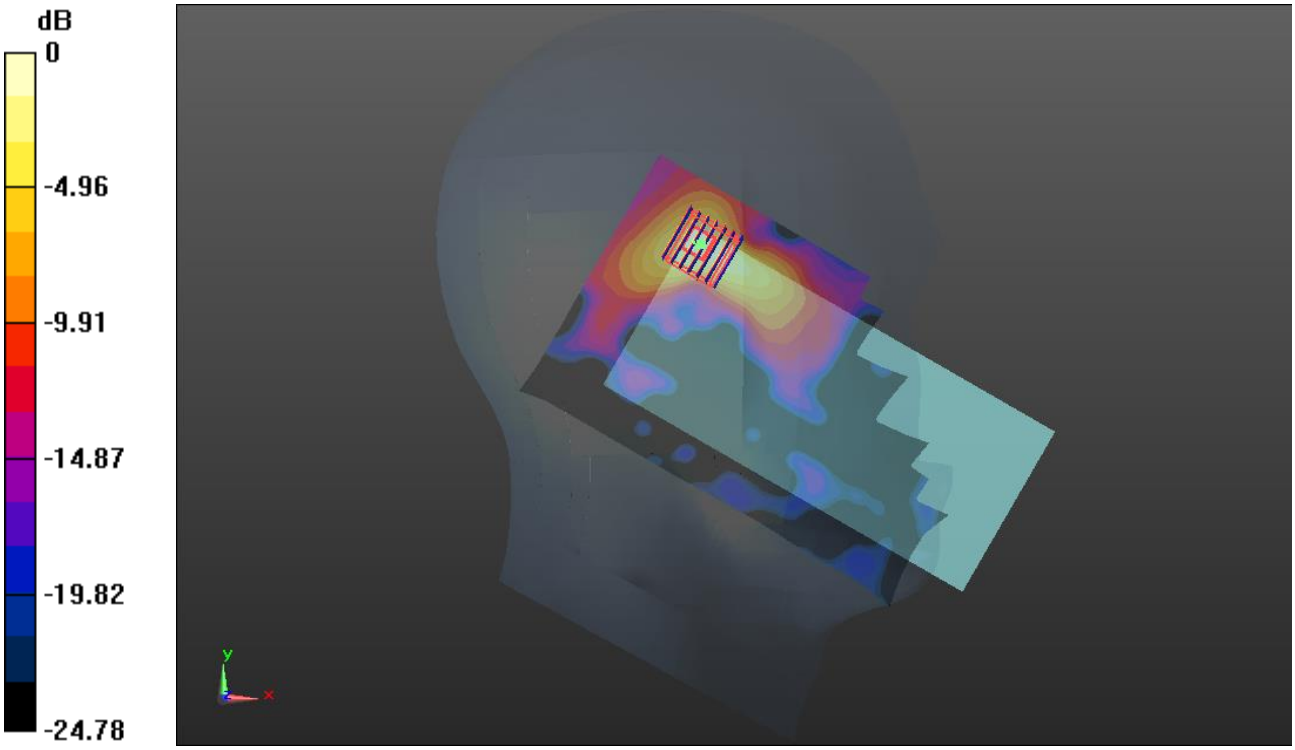
Ch151/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.652 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.18 W/kg

SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.166 W/kg

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



0 dB = 1.02 W/kg

Meas.34 Body Plane with Back Side 10mm on 54 Channel in IEEE802.11n40 mode with Antenna 4

Date: 2024.08.12

Communication System Band: 5.3G; Frequency: 5270 MHz;Duty Cycle: 1:1.043

Medium parameters used (interpolated): f = 5270 MHz; σ = 4.788 S/m; ε_r = 35.533; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

Ch54/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.460 W/kg

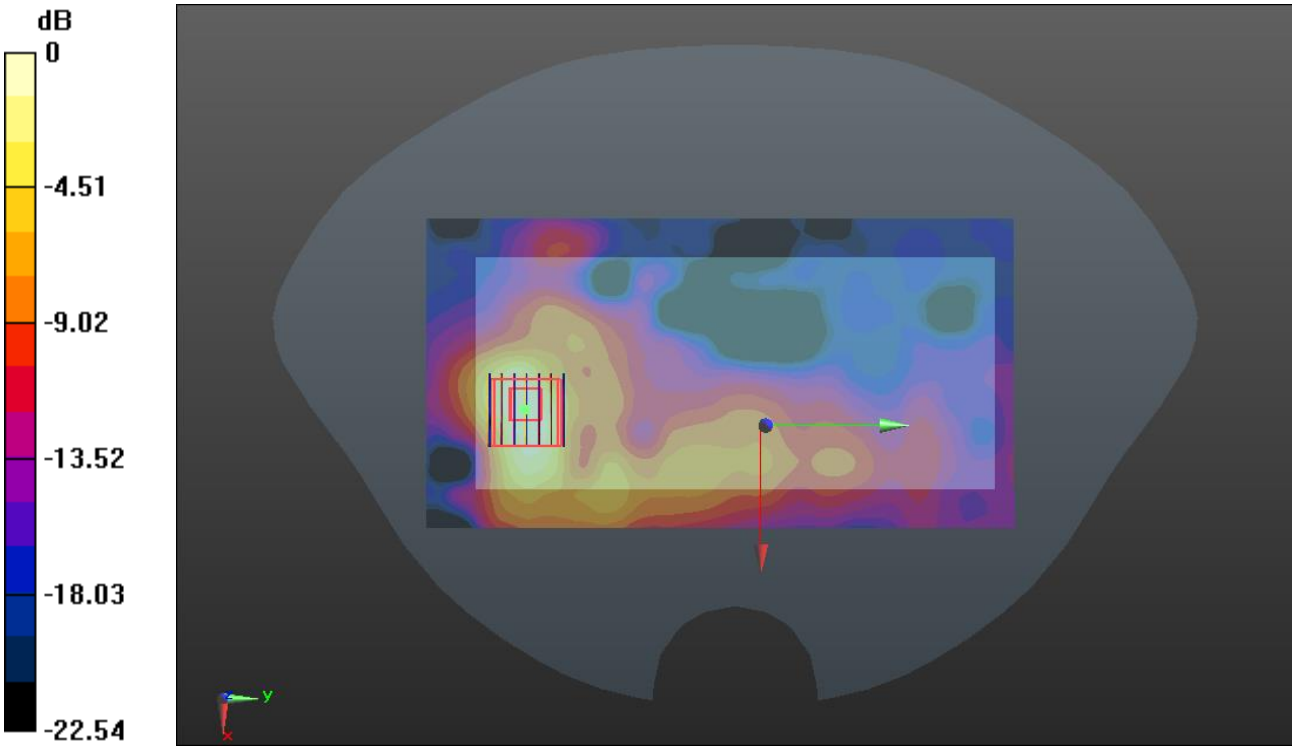
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.678 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.835 W/kg

SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.440 W/kg



0 dB = 0.440 W/kg

Meas.35 Body Plane with Back Side 10mm on 134 Channel in IEEE802.11n40 mode with Antenna 4

Date: 2024.08.12

Communication System Band: 5.6G; Frequency: 5670 MHz;Duty Cycle: 1:1.043

Medium parameters used (interpolated): f = 5670 MHz; σ = 5.15 S/m; ε_r = 35.617; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

Ch134/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.440 W/kg

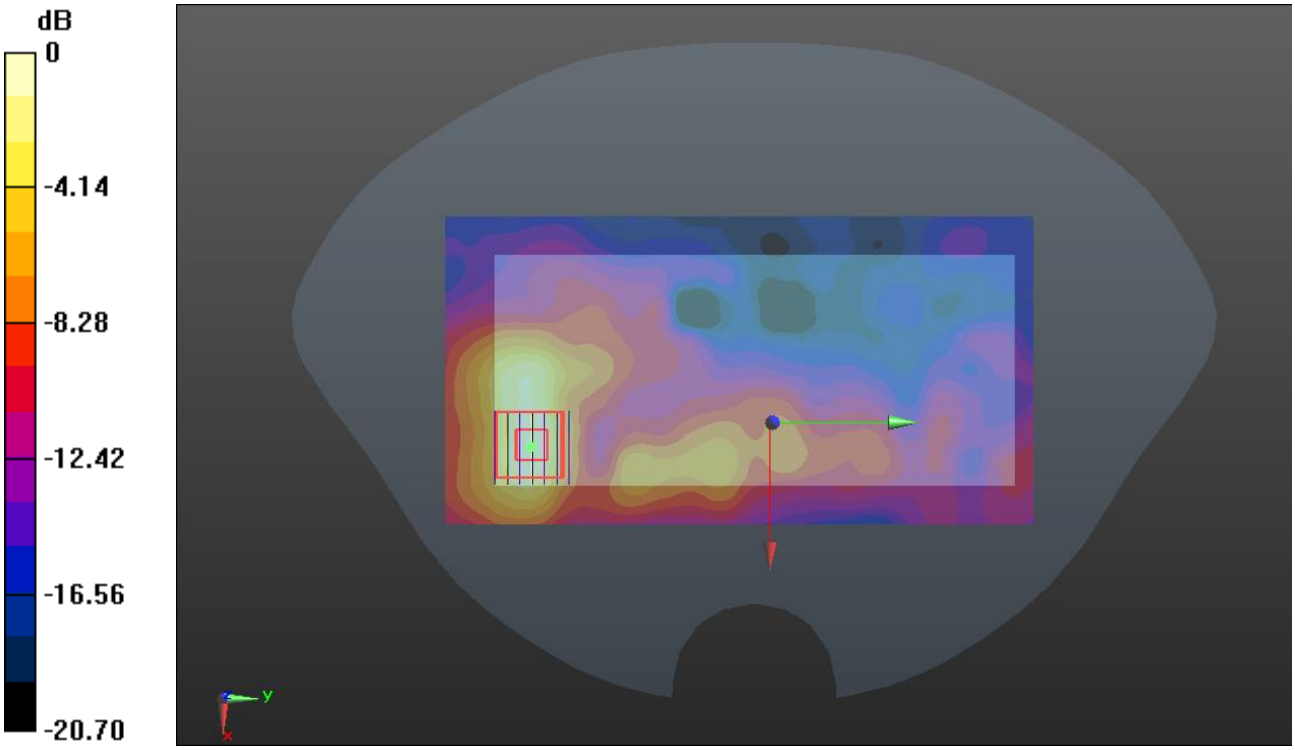
Ch134/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.425 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.898 W/kg

SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.080 W/kg

Maximum value of SAR (measured) = 0.419 W/kg



0 dB = 0.419 W/kg

Meas.36 Body Plane with Top Edge 10mm on 38 Channel in IEEE802.11n40 mode with Antenna 4

Date: 2024.08.12

Communication System Band: 5.2G; Frequency: 5190 MHz;Duty Cycle: 1:1.043

Medium parameters used (interpolated): f = 5190 MHz; σ = 4.577 S/m; ε_r = 36.502; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

Ch38/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.414 W/kg

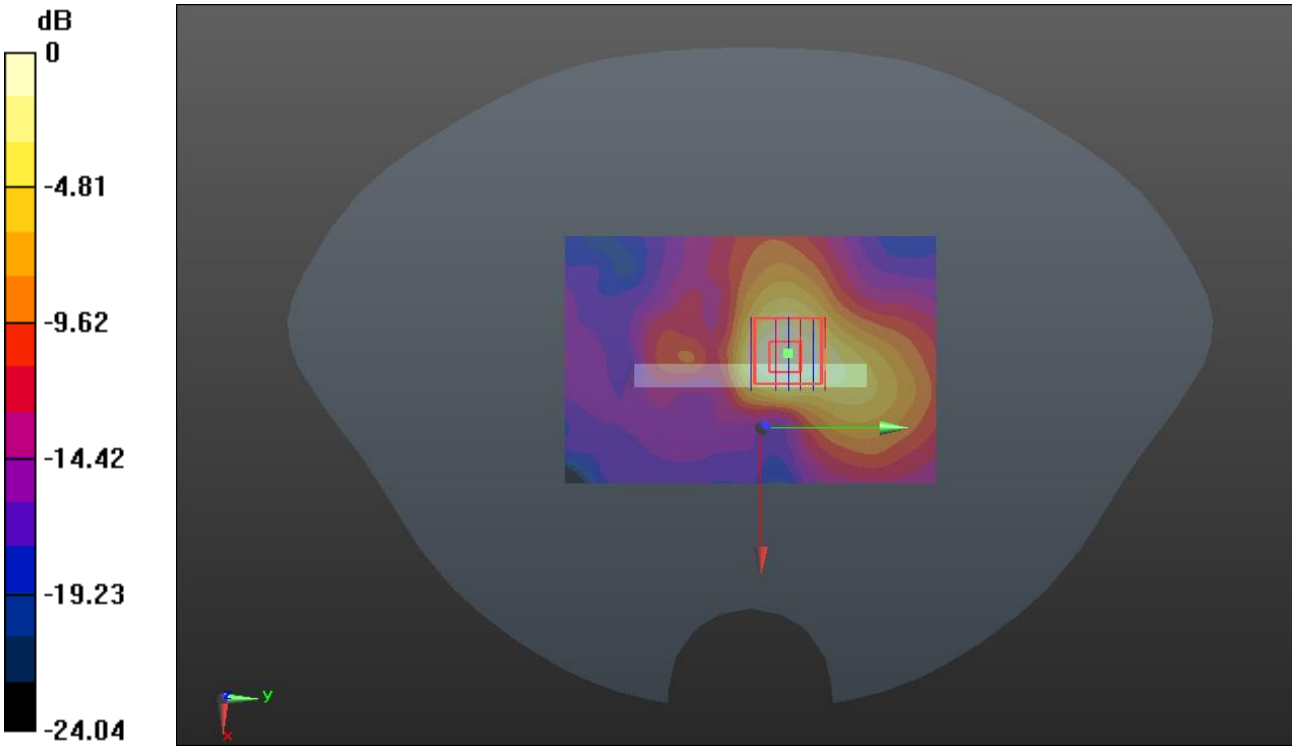
Ch38/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.637 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.660 W/kg

SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.073 W/kg

Maximum value of SAR (measured) = 0.343 W/kg



0 dB = 0.343 W/kg

Meas.37 Body Plane with Top Edge 10mm on 151 Channel in IEEE802.11n40 mode with Antenna 4

Date: 2024.08.13

Communication System Band: 5.8G; Frequency: 5755 MHz;Duty Cycle: 1:1.043

Medium parameters used (interpolated): f = 5755 MHz; σ = 5.274 S/m; ε_r = 35.312; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.7℃

DASY5 Configuration:

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

Ch151/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.407 W/kg

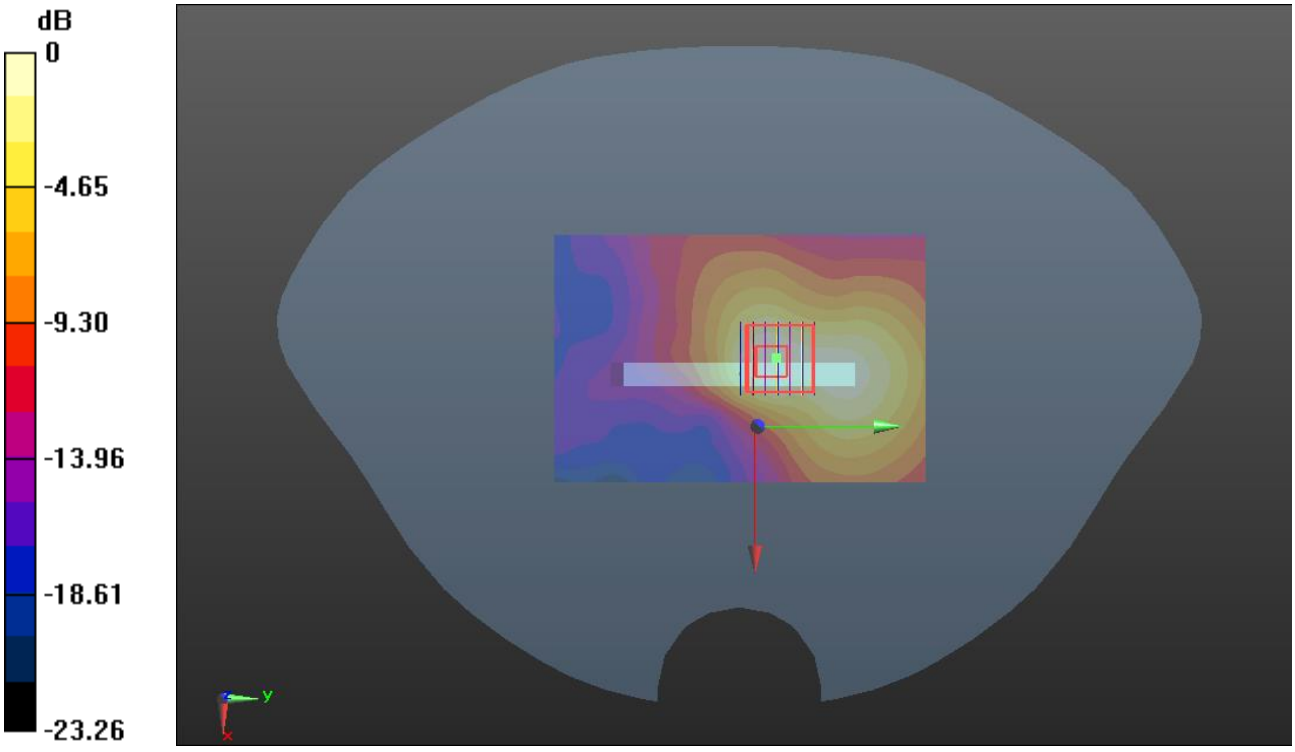
Ch151/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.583 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.751 W/kg

SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.073 W/kg

Maximum value of SAR (measured) = 0.354 W/kg



0 dB = 0.354 W/kg

Meas.38 Body Plane with Top Edge 0mm on 54 Channel in IEEE802.11n40 mode with Antenna 4

Date: 2024.08.12

Communication System Band: 5.3G; Frequency: 5270 MHz;Duty Cycle: 1:1.043

Medium parameters used (interpolated): f = 5270 MHz; σ = 4.788 S/m; ε_r = 35.533; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

Ch54/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 3.78 W/kg

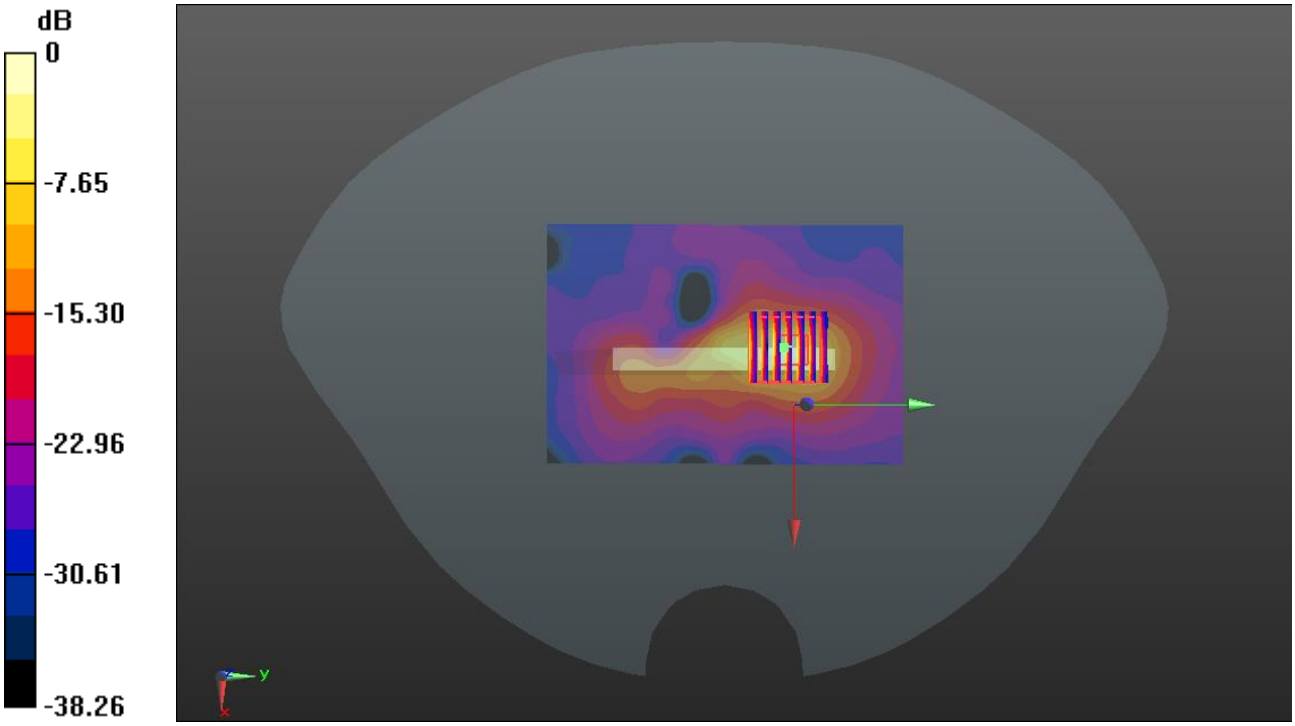
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.680 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 10.7 W/kg

SAR(1 g) = 1.61 W/kg; SAR(10 g) = 0.364 W/kg

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



0 dB = 4.02 W/kg

Meas.39 Body Plane with Top Edge 0mm on 134 Channel in IEEE802.11n40 mode with Antenna 4

Date: 2024.08.12

Communication System Band: 5.6G; Frequency: 5670 MHz;Duty Cycle: 1:1.043

Medium parameters used (interpolated): f = 5670 MHz; σ = 5.15 S/m; ε_r = 35.617; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

Ch134/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 5.33 W/kg

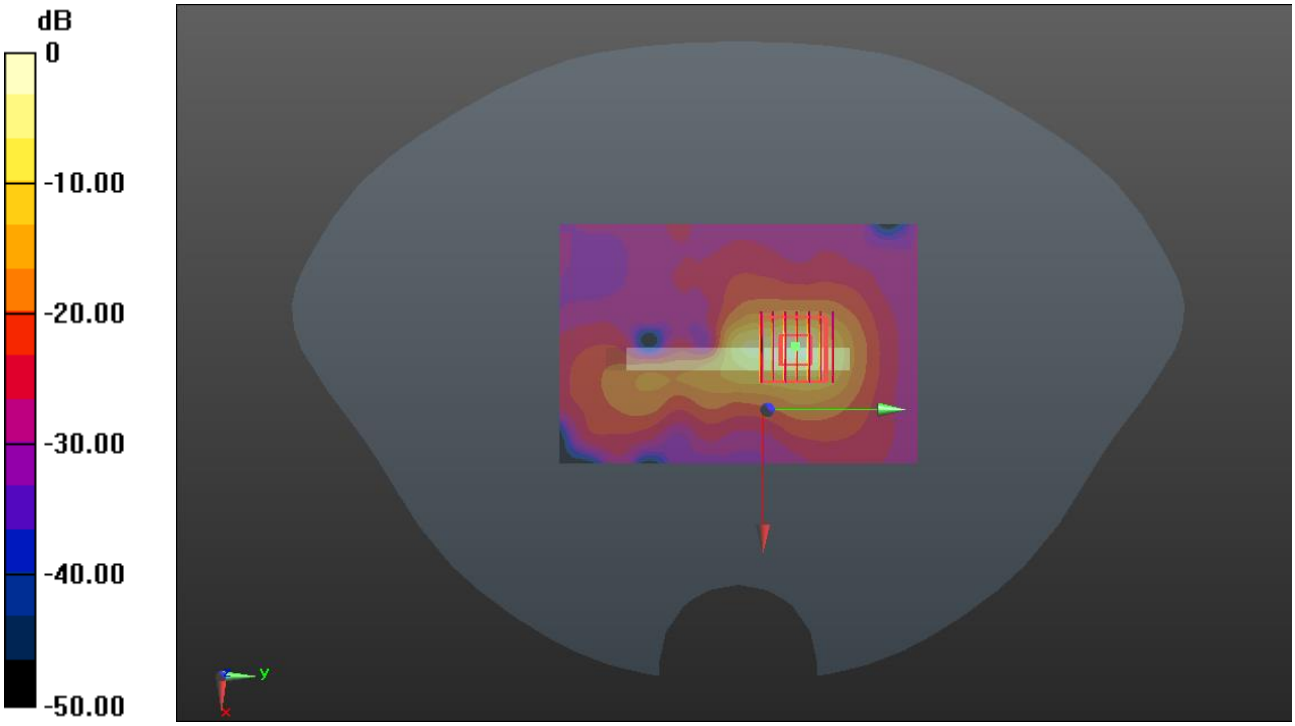
Ch134/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.07 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 17.7 W/kg

SAR(1 g) = 2.39 W/kg; SAR(10 g) = 0.472 W/kg

Maximum value of SAR (measured) = 6.07 W/kg



0 dB = 6.07 W/kg

Meas.40 Left Head with Cheek on 78 Channel in Bluetooth mode with Antenna 4

Date: 2024.08.11

Communication System Band: BT; Frequency: 2480 MHz;Duty Cycle: 1:1.301

Medium parameters used (interpolated): f = 2480 MHz; σ = 1.857 S/m; ε_r = 38.837; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

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

Ch78/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.111 W/kg

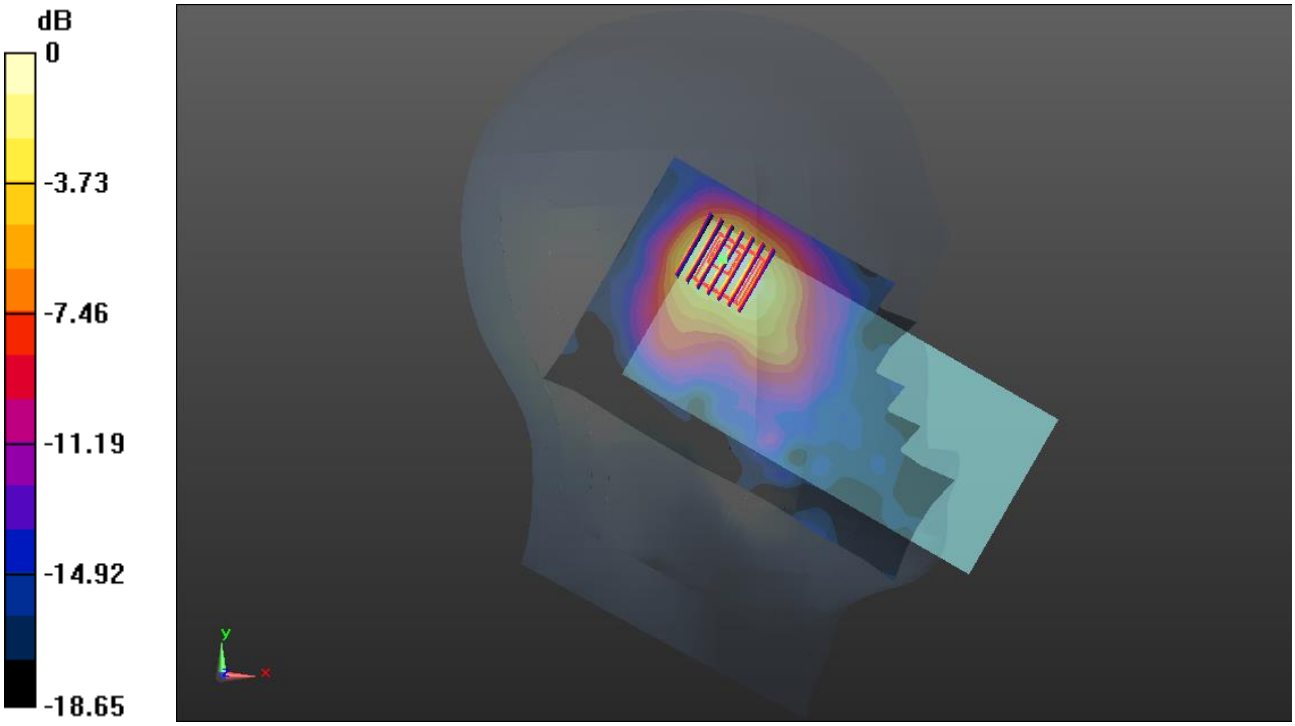
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.292 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.172 W/kg

SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.045 W/kg

Maximum value of SAR (measured) = 0.0984 W/kg



0 dB = 0.0984 W/kg

Meas.41 Body Plane with Back Side 10mm on 78 Channel in Bluetooth mode with Antenna 4

Date: 2024.08.11

Communication System Band: BT; Frequency: 2480 MHz;Duty Cycle: 1:1.301

Medium parameters used (interpolated): f = 2480 MHz; σ = 1.857 S/m; ε_r = 38.837; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.0511 W/kg

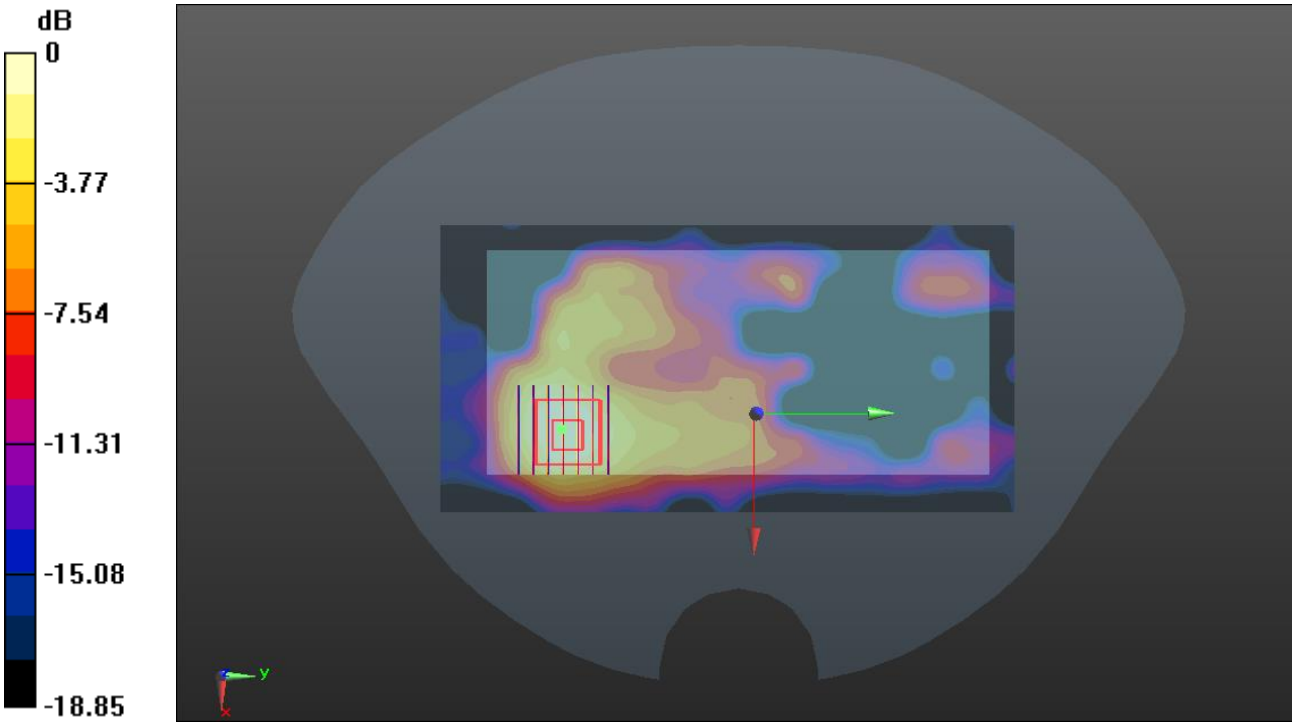
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.2350 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.0850 W/kg

SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.018 W/kg

Maximum value of SAR (measured) = 0.0465 W/kg



0 dB = 0.0465 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2480027-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2480027-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2480027-AC.pdf”.

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