

TEST REPORT

Applicant: Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address: No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China
Equipment Type: Mobile Phone
Model Name: RMX3933
Brand Name: realme
FCC ID: 2AUYFRMX3933
Test Standard: FCC 47 CFR Part 2.1093 (refer to section 3.1)
Maximum SAR: Head (1 g@0mm): 1.17 W/kg
Body-worn (1 g@15mm): 0.82 W/kg
Hotspot (1 g@10mm): 0.85 W/kg
Specific (10 g@0mm): 2.66 W/kg
Sample Arrival Date: Apr. 24, 2024
Test Date : Apr. 26, 2024 - May 12, 2024
Date of Issue: May 24, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Xiong Lining

Checked by: Xu Rui

Approved by: Tolan Tu
(Testing Director)

Revision History		
Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>May 21, 2024</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>May 24, 2024</u>	<u>Updated 1900MHz system check in page109 and full power of WIFI BT, single SAR and simultaneous transmission SAR of BT</u>

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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	<input checked="" type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	<input type="checkbox"/> 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°C to 25°C
Ambient Relative Humidity	30% to 70%

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

2.2 Manufacturer Information

Manufacturer	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	RMX3933
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	realme UI Android 14
Dimensions (Approx.)	167.26*76.67*7.84mm
Weight (Approx.)	187g
EUT ID	S04, S06
IMEI Number	S04: IMEI1:860118070019699 IMEI2:860118070019681
	S06: IMEI1:860118070019459 IMEI2:860118070019442
Note1: EUT ID is used to identify the test sample in the lab internally.	
Note2: It is performed to test SAR with the EUT S06 and conducted power with the EUT S04.	

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	SUPERVOOC
	Model No.	BLPA75
	Serial No.	Rated: 4880mAh/19.09Wh Typical: 5000mAh/19.55Wh
	Capacity	3.91V
	Rated Voltage	4.5 V
	Limit Charge Voltage	Dongguan NVT Technology Co., Ltd.

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/13/66 LTE TDD Band 38/41 Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3, Galileo, GLONASS, GPS, BDS, SBAS
Note: The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.	

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

Operating Mode	GSM, WCDMA, LTE, 2.4G WLAN, 5G WLAN, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 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/HT40)	2412 ~ 2462 MHz	
	802.11a/n(HT20/HT40)	5150 ~ 5250 MHz	
/ac(VHT20/VHT40/VHT80)	5250 ~ 5350 MHz		
	5470 ~ 5725 MHz		
Bluetooth	5725 ~ 5850 MHz		
	2402 ~ 2480 MHz		
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna		
DTM	N/A		
Hotspot Function	Support		
Power Reduction	Support		
Exposure	General Population/Uncontrolled exposure		

Category		
Product Type	Portable Device	
EUT Type	<input checked="" type="checkbox"/> Production unit	<input type="checkbox"/> Identical prototype
Note: 1. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4G transmitter for held-to-ear exposure conditions. 2. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4G transmitter for near to body exposure conditions. 3. The reduction power details please refer section 8.6.		

3 SUMMARY OF TEST RESULT

3.1 Test Standards

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

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR Values

Equipment Class	Band	Maximum Scaled SAR (W/kg)				Maximum Report SAR (W/kg)			
		Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)	Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)
		1g SAR			10g SAR	1g SAR			10g SAR
PCE	GSM 850	0.82	0.19	0.19	/	1.14	0.82	0.85	2.66
	GSM 1900	1.17	0.20	0.68	2.66				
	WCDMA Band 2	0.97	0.35	0.85	2.39				
	WCDMA Band 4	0.90	0.21	0.75	2.33				
	WCDMA Band 5	0.93	0.09	0.19	/				
	LTE Band 2	1.09	0.25	0.53	/				
	LTE Band 4	0.53	0.21	0.55	1.84				
	LTE Band 5	0.77	0.14	0.37	/				
	LTE Band 7	0.66	0.17	0.41	/				
	LTE Band 13	0.57	0.12	0.17	/				
	LTE Band 66	0.44	0.18	0.49	1.66				
	LTE Band 38	0.97	0.32	0.78	/				
	LTE Band 41	0.79	0.34	0.67	/				
DTS	2.4G WLAN	0.47	0.13	0.16	/				
NII	5.2G WLAN	/	/	0.26	/				
	5.3G WLAN	1.05	0.48	/	1.68				
	5.6G WLAN	1.02	0.65	/	2.15				
	5.8G WLAN	1.17	0.82	0.72	/				
DSS	Bluetooth	0.15	0.04	0.08	/				
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 (15mm)	Hotspot 1g (10mm)	Specific 10g (0mm)
PCE	1.57	1.21	1.55	3.53
DTS	1.20	0.48	0.89	/
NII	1.57	1.21	1.55	3.53
DSS	1.57	1.21	1.55	/
Limit (W/Kg)	1.60	1.60	1.60	4.00
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 13.2				

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 1.17 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

The maximum 10 g SAR for the EUT in this report is 2.66 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:

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

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

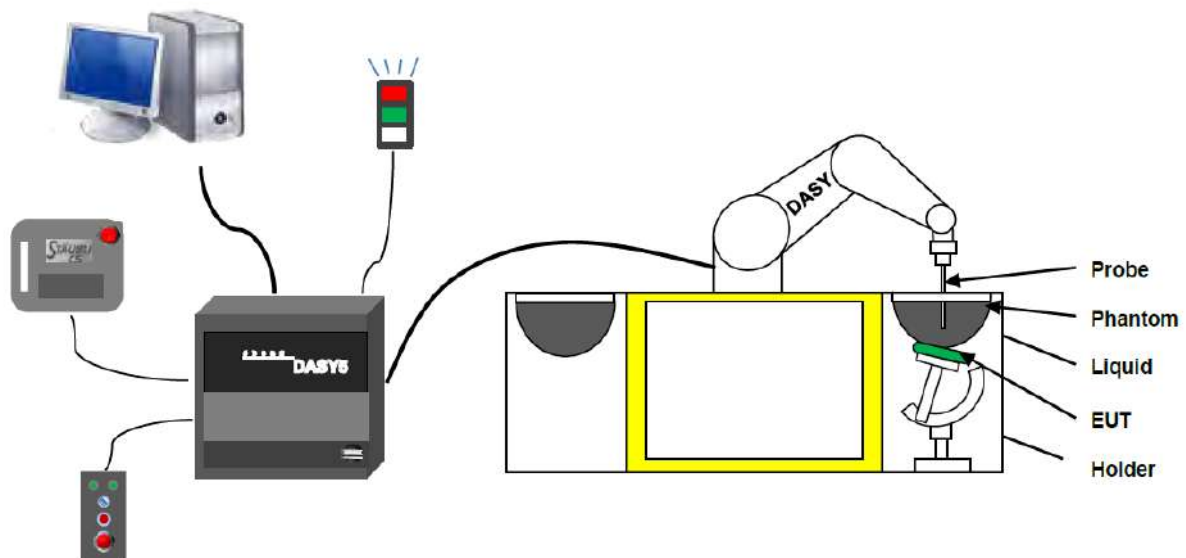
$$\mathbf{SAR} = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



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

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

4.2.2 Robot

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



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

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN:7607 with following specifications is used.

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



E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

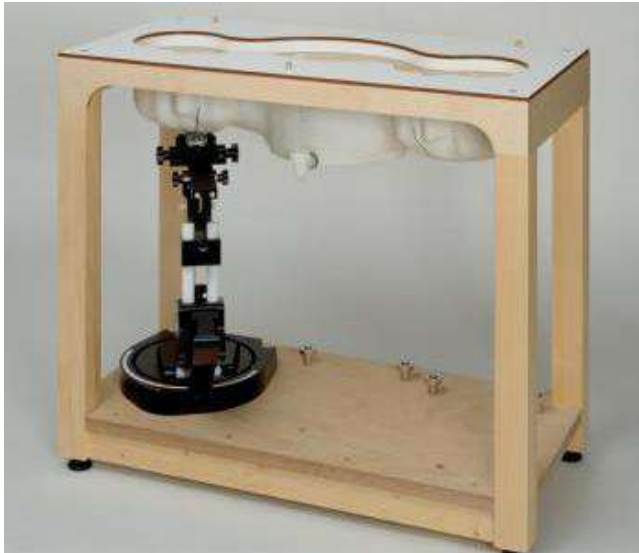
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

4.2.5 Phantoms

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



- Left 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

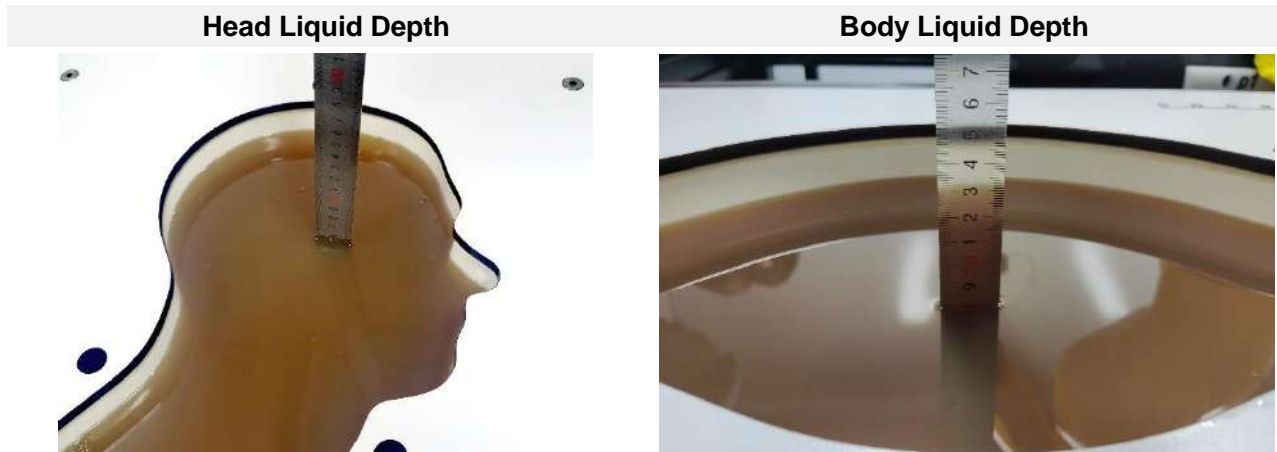
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for 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%.



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	Ethenediol, Sodium petroleum sulfonate, Hexylene Glycol / 2-Methyl-pentane-2.4-diol, Alkoxylated alcohol

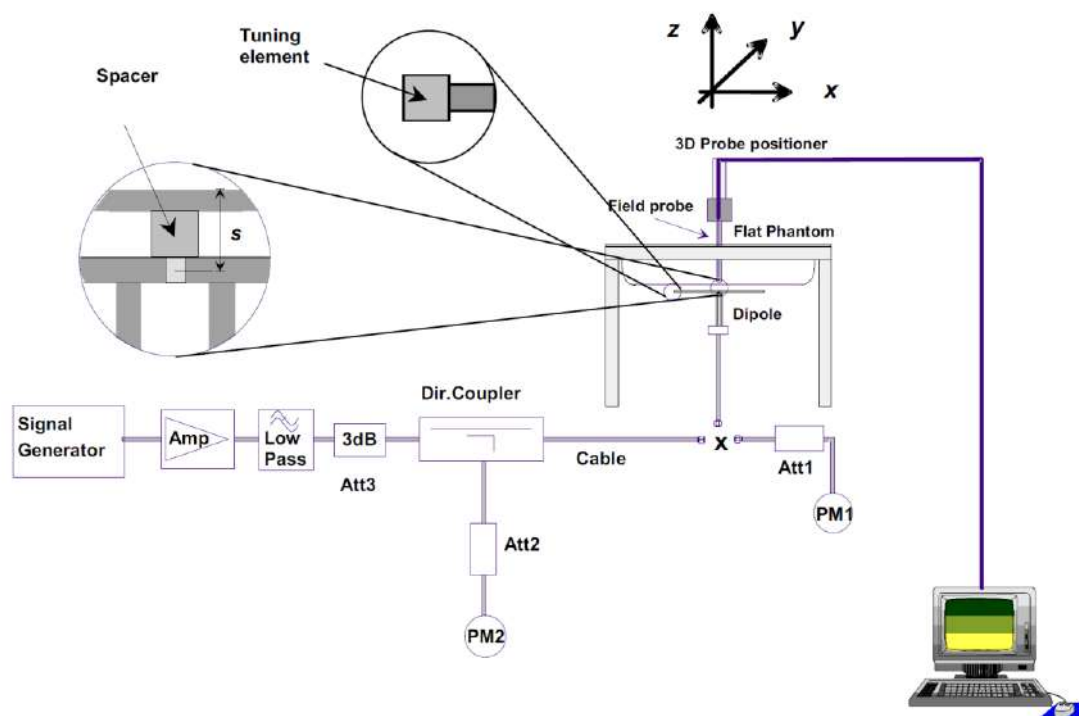
5 SYSTEM VERIFICATION

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

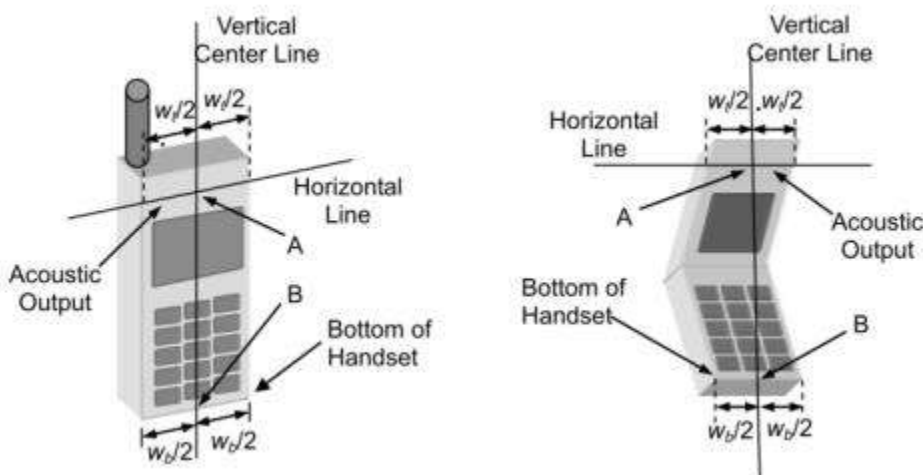
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

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.

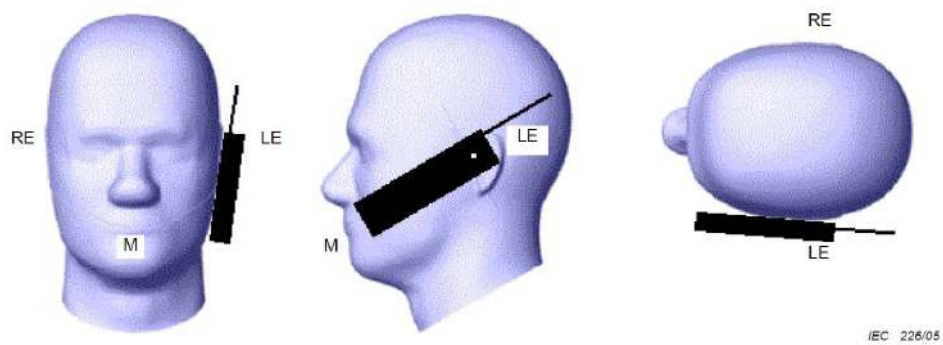
6.1.1 Two Imaginary Lines on the Handset

- 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.
- 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.
- 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

- 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.
- 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.

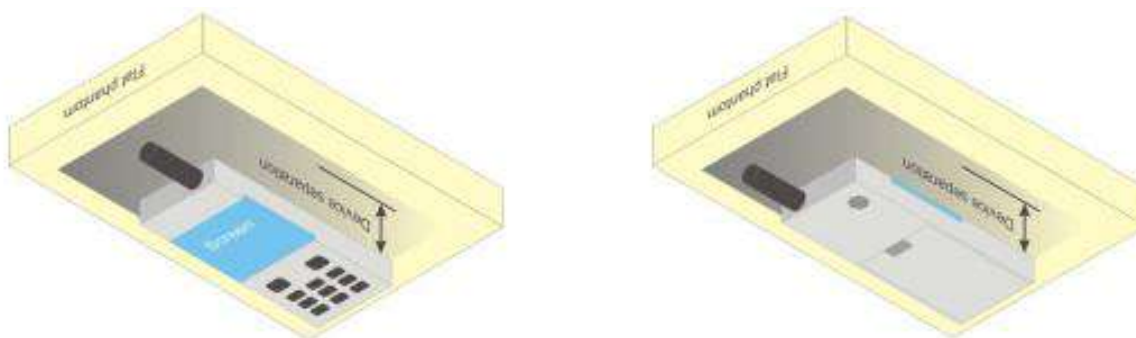


6.2 Body-worn Position Conditions

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.

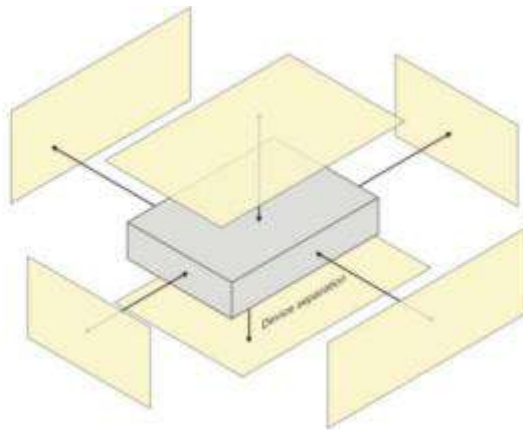
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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



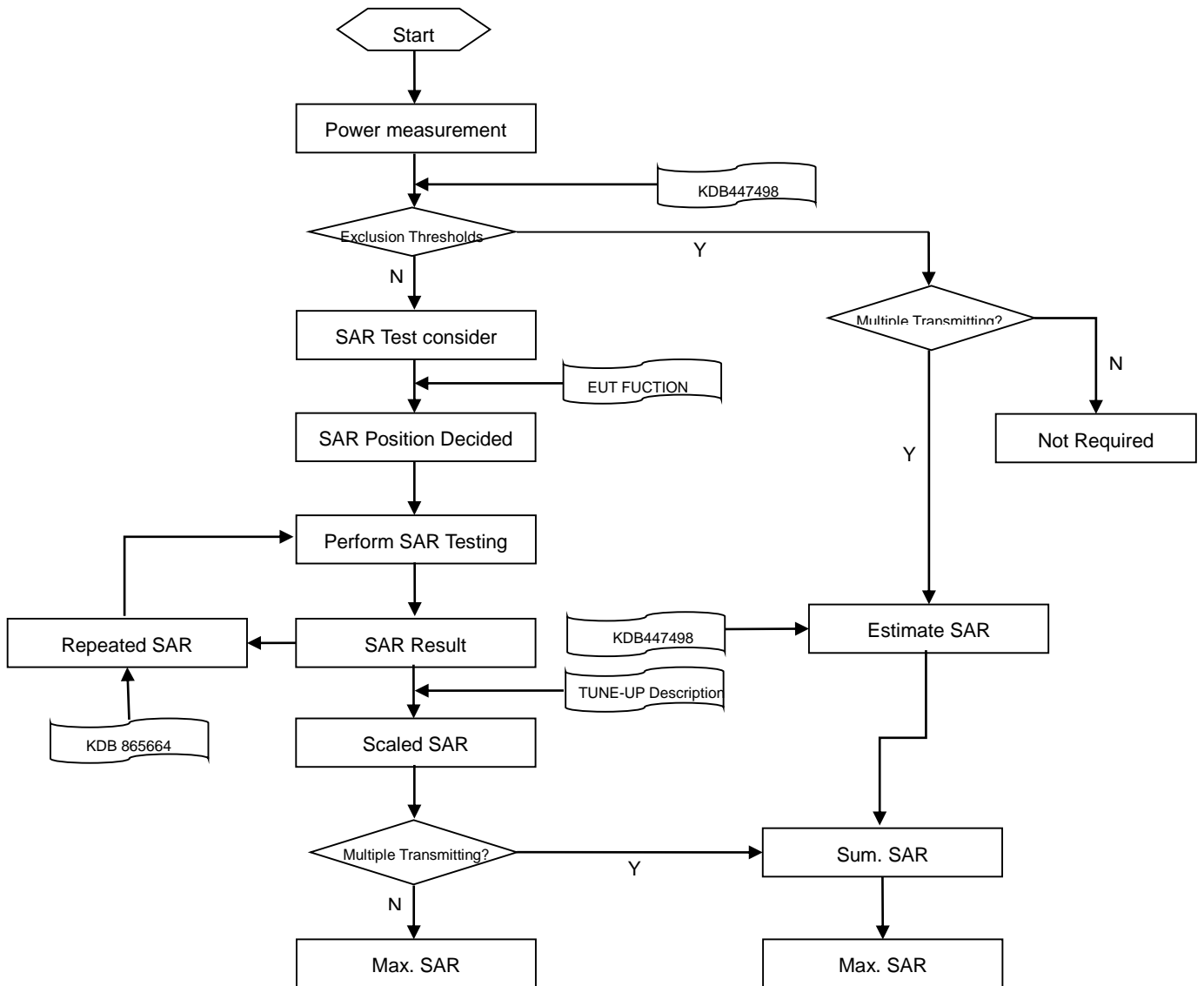
6.4 Product Specific 10g Exposure Consideration

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

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

Note:

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.

7.3 Measurement Procedure

The following steps are used for each test position

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

7.4 Area & Zoom Scan Procedure

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r04 quoted below. When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

8 CONDUCTED RF OUPUT POWER

8.1 GSM

Please refer the document “BL-SZ2441131-AP Power List.pdf”.

8.2 WCDMA

Please refer the document “BL-SZ2441131-AP Power List.pdf”.

8.3 LTE

Please refer the document “BL-SZ2441131-AP Power List.pdf”.

8.4 WIFI

8.4.1 2.4G WIFI-Full Power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.03	15.50	No
		2	2417	15.77	16.00	No
		3	2422	14.21	14.50	No
		4	2427	12.99	13.00	No
		5	2432	11.17	11.50	No
		6	2437	11.80	13.00	No
		7	2442	10.40	11.00	No
		8	2447	12.83	13.00	No
		9	2452	13.86	15.00	No
		10	2457	12.69	13.00	No
		11	2462	10.93	12.00	No
	802.11g	1	2412	12.53	13.00	No
		2	2417	19.60	20.00	No
		6	2437	16.95	17.00	No
		9	2452	17.95	19.00	No
		10	2457	13.48	17.00	No
		11	2462	12.11	13.00	No
	802.11n(HT20)	1	2412	12.44	14.00	No
		2	2417	19.59	20.00	No
		6	2437	16.48	17.00	No
		7	2442	15.26	16.00	No
		8	2447	18.70	19.00	No
		9	2452	13.65	14.00	No
		10	2457	13.41	16.00	No
		11	2462	10.15	11.00	No
	802.11n(HT40)	3	2422	11.11	11.50	No
		4	2427	12.32	13.00	No
		5	2432	15.97	17.00	No
		6	2437	14.02	15.00	No
		7	2442	13.32	14.00	No
		8	2447	7.85	13.00	No
		9	2452	5.90	7.00	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.

8.4.2 2.4G WIFI-Level1

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	14.60	15.00	No
		2	2417	14.92	16.00	Yes
		3	2422	13.91	14.00	No
		4	2427	12.89	13.00	No
		5	2432	10.92	11.00	No
		6	2437	11.70	13.00	No
		7	2442	10.30	11.00	No
		8	2447	12.73	13.00	No
		9	2452	14.17	15.00	No
		10	2457	12.59	13.00	No
		11	2462	10.83	12.00	No
	802.11g	1	2412	11.77	12.00	No
		2	2417	17.27	18.00	Yes
		6	2437	15.88	16.00	No
		9	2452	17.23	18.00	No
		10	2457	16.89	17.00	No
		11	2462	11.35	12.00	No
	802.11n(HT20)	1	2412	11.75	12.00	No
		2	2417	17.67	18.00	No
		6	2437	15.79	16.00	No
		7	2442	14.57	15.00	No
		8	2447	17.91	18.00	No
		9	2452	12.96	14.00	No
		10	2457	15.95	16.00	No
		11	2462	9.46	10.00	No
	802.11n(HT40)	3	2422	9.98	11.00	No
		4	2427	11.19	13.00	No
		5	2432	15.88	17.00	No
		6	2437	12.89	14.00	No
		7	2442	12.19	14.00	No
		8	2447	11.56	13.00	No
		9	2452	6.77	7.00	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.

8.4.3 2.4G WIFI-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	13.36	14.00	No
		2	2417	13.94	14.00	Yes
		3	2422	13.91	14.00	No
		4	2427	12.89	13.00	No
		5	2432	10.92	11.00	No
		6	2437	11.70	13.00	No
		7	2442	10.30	11.00	No
		8	2447	12.73	13.00	No
		9	2452	13.76	14.00	No
		10	2457	12.59	13.00	No
		11	2462	10.83	12.00	No
	802.11g	1	2412	11.77	12.00	No
		2	2417	13.14	14.00	No
		6	2437	13.43	14.00	No
		9	2452	13.27	14.00	No
		10	2457	13.51	14.00	No
		11	2462	11.35	12.00	No
	802.11n(HT20)	1	2412	11.75	12.00	No
		2	2417	13.16	14.00	No
		6	2437	13.11	14.00	No
		7	2442	13.07	14.00	No
		8	2447	13.50	14.00	No
		9	2452	12.96	14.00	No
		10	2457	13.19	14.00	No
		11	2462	9.46	10.00	No
	802.11n(HT40)	3	2422	9.98	11.00	No
		4	2427	11.19	13.00	No
		5	2432	13.35	14.00	No
		6	2437	12.89	14.00	No
		7	2442	12.19	14.00	No
		8	2447	11.56	13.00	No
		9	2452	6.77	7.00	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.

8.4.4 2.4G WIFI-Level3

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	14.60	15.00	No
		2	2417	14.92	16.00	Yes
		3	2422	13.91	14.00	No
		4	2427	12.89	13.00	No
		5	2432	10.92	11.00	No
		6	2437	11.70	13.00	No
		7	2442	10.30	11.00	No
		8	2447	12.73	13.00	No
		9	2452	14.17	15.00	No
		10	2457	12.59	13.00	No
		11	2462	10.83	12.00	No
	802.11g	1	2412	11.77	12.00	No
		2	2417	17.27	19.00	Yes
		6	2437	15.88	16.00	No
		9	2452	17.23	19.00	No
		10	2457	16.89	17.00	No
		11	2462	11.35	12.00	No
	802.11n(HT20)	1	2412	11.75	12.00	No
		2	2417	17.67	19.00	No
		6	2437	15.79	16.00	No
		7	2442	14.57	15.00	No
		8	2447	17.91	18.00	No
		9	2452	12.96	14.00	No
		10	2457	15.95	16.00	No
		11	2462	9.46	10.00	No
	802.11n(HT40)	3	2422	9.98	11.00	No
		4	2427	11.19	13.00	No
		5	2432	15.88	17.00	No
		6	2437	12.89	14.00	No
		7	2442	12.19	14.00	No
		8	2447	11.56	13.00	No
		9	2452	6.77	7.00	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.

8.4.5 2.4G WIFI-Level4

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	14.60	15.00	No
		2	2417	14.92	16.00	Yes
		3	2422	13.91	14.00	No
		4	2427	12.89	13.00	No
		5	2432	10.92	11.00	No
		6	2437	11.70	13.00	No
		7	2442	10.30	11.00	No
		8	2447	12.73	13.00	No
		9	2452	14.17	15.00	No
		10	2457	12.59	13.00	No
		11	2462	10.83	12.00	No
	802.11g	1	2412	11.77	12.00	No
		2	2417	16.91	17.00	Yes
		6	2437	15.88	16.00	No
		9	2452	16.74	17.00	No
		10	2457	16.89	17.00	No
		11	2462	11.35	12.00	No
	802.11n(HT20)	1	2412	11.75	12.00	No
		2	2417	16.75	17.00	No
		6	2437	15.79	16.00	No
		7	2442	14.57	15.00	No
		8	2447	16.81	17.00	No
		9	2452	12.96	14.00	No
		10	2457	15.95	16.00	No
		11	2462	9.46	10.00	No
	802.11n(HT40)	3	2422	9.98	11.00	No
		4	2427	11.19	13.00	No
		5	2432	15.88	17.00	No
		6	2437	12.89	14.00	No
		7	2442	12.19	14.00	No
		8	2447	11.56	13.00	No
		9	2452	6.77	7.00	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.

8.4.6 5G WIFI-Full Power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.81	14.00	No
		44	5220	18.97	19.00	No
		48	5240	18.86	19.00	No
	802.11n(HT20)	36	5180	10.97	11.00	No
		44	5220	18.60	19.00	No
		48	5240	17.90	18.50	No
	802.11n(HT40)	38	5190	8.75	9.00	No
		46	5230	18.04	18.50	No
	802.11ac(VHT20)	36	5180	13.91	14.00	No
		44	5220	18.19	18.50	No
		48	5240	17.95	18.50	No
	802.11ac(VHT40)	38	5190	11.52	12.00	No
		46	5230	18.69	19.00	No
	802.11ac(VHT80)	42	5210	12.55	13.00	No
5.3 (5.25~5.35)	802.11a	52	5260	18.94	19.00	No
		60	5300	18.60	19.00	No
		64	5320	12.11	12.50	No
	802.11n(HT20)	52	5260	18.96	19.00	No
		60	5300	18.91	19.00	No
		64	5320	13.41	14.50	No
	802.11n(HT40)	54	5270	18.75	19.00	No
		62	5310	9.88	10.00	No
	802.11ac(VHT20)	52	5260	18.81	19.00	No
		60	5300	19.09	19.50	No
		64	5320	11.27	11.50	No
	802.11ac(VHT40)	54	5270	18.55	19.00	No
		62	5310	10.77	11.00	No
	802.11ac(VHT80)	58	5290	13.40	13.50	No
5.6 (5.47~5.725)	802.11a	100	5500	13.32	13.50	No
		116	5580	18.50	18.50	No
		140	5700	9.64	10.00	No
	802.11n(HT20)	100	5500	10.97	11.00	No
		116	5580	19.27	19.50	No
		140	5700	9.67	10.00	No
	802.11n(HT40)	102	5510	7.23	7.50	No
		118	5590	19.04	19.50	No

		134	5670	11.49	11.50	No
	802.11ac(VHT20)	100	5500	10.61	11.00	No
		116	5580	19.30	19.50	No
		140	5700	9.70	11.50	No
	802.11ac(VHT40)	102	5510	7.06	7.50	No
		118	5590	18.84	19.00	No
		134	5670	11.59	12.00	No
	802.11ac(VHT80)	106	5530	14.17	14.50	No
		122	5690	18.89	19.00	No
	5.8 (5.725~5.850)	802.11a	149	5745	17.10	17.50
157			5785	18.18	18.50	No
165			5825	18.61	19.00	No
802.11n(HT20)		149	5745	13.38	14.00	No
		157	5785	16.96	17.50	No
		165	5825	17.11	17.50	No
802.11n(HT40)		151	5755	8.30	8.50	No
		159	5795	18.86	19.00	No
802.11ac(VHT20)		149	5745	13.40	13.50	No
		157	5785	17.83	18.50	No
		165	5825	16.24	16.50	No
802.11ac(VHT40)		151	5755	9.23	9.50	No
		159	5795	18.37	18.50	No
802.11ac(VHT80)		155	5775	12.17	12.50	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

8.4.7 5G WIFI-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.32	12.50	No
		44	5220	17.44	17.50	No
		48	5240	17.32	17.50	No
	802.11n(HT20)	36	5180	10.38	10.50	No
		44	5220	17.25	17.50	No
		48	5240	17.31	17.50	No
	802.11n(HT40)	38	5190	7.44	8.50	No
		46	5230	16.73	17.50	No
	802.11ac(VHT20)	36	5180	13.32	13.50	No
		44	5220	17.36	17.50	No
		48	5240	17.36	17.50	No
	802.11ac(VHT40)	38	5190	10.21	11.50	No
		46	5230	17.38	17.50	No
	802.11ac(VHT80)	42	5210	9.84	11.50	No
5.3 (5.25~5.35)	802.11a	52	5260	17.13	17.50	No
		60	5300	17.26	17.50	No
		64	5320	11.62	12.50	No
	802.11n(HT20)	52	5260	17.15	17.50	No
		60	5300	17.34	17.50	No
		64	5320	14.44	14.50	No
	802.11n(HT40)	54	5270	17.44	17.50	Yes
		62	5310	8.57	9.50	Yes
	802.11ac(VHT20)	52	5260	17.26	17.50	No
		60	5300	17.14	17.50	No
		64	5320	10.18	10.50	No
	802.11ac(VHT40)	54	5270	17.24	17.50	No
		62	5310	9.46	10.50	No
	802.11ac(VHT80)	58	5290	10.69	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	12.38	12.50	No
		116	5580	18.01	18.50	No
		140	5700	9.15	9.50	No
	802.11n(HT20)	100	5500	10.38	10.50	No
		116	5580	18.48	18.50	No
		140	5700	9.08	9.50	No
	802.11n(HT40)	102	5510	5.92	6.50	No
		118	5590	17.73	18.50	No

	802.11ac(VHT20)	134	5670	10.18	11.50	No	
		100	5500	10.02	10.50	No	
		116	5580	18.71	18.50	No	
	802.11ac(VHT40)	140	5700	10.11	11.50	No	
		102	5510	5.75	6.50	No	
		118	5590	17.53	18.50	No	
	802.11ac(VHT80)	134	5670	10.28	11.50	No	
		106	5530	12.62	13.50	Yes	
	5.8 (5.725~5.850)	802.11a	122	5690	18.21	18.50	Yes
			149	5745	16.16	16.50	No
157			5785	17.69	18.50	No	
802.11n(HT20)		165	5825	18.12	18.50	No	
		149	5745	12.44	12.50	No	
		157	5785	16.37	17.50	No	
802.11n(HT40)		165	5825	16.52	17.50	No	
		151	5755	8.25	8.50	Yes	
802.11ac(VHT20)		159	5795	17.69	18.50	Yes	
		149	5745	12.38	12.50	No	
		157	5785	17.24	18.50	No	
802.11ac(VHT40)		165	5825	15.65	16.50	No	
		151	5755	7.92	8.50	No	
802.11ac(VHT80)		159	5795	17.06	18.50	No	
		155	5775	12.46	12.50	No	

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

8.4.8 5G WIFI-Level2

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	12.32	12.50	No
		44	5220	13.21	13.50	No
		48	5240	13.34	13.50	No
	802.11n(HT20)	36	5180	10.38	10.50	No
		44	5220	13.12	13.50	No
		48	5240	13.23	13.50	No
	802.11n(HT40)	38	5190	7.44	8.50	No
		46	5230	13.37	13.50	No
	802.11ac(VHT20)	36	5180	13.32	13.50	No
		44	5220	13.28	13.50	No
		48	5240	13.01	13.50	No
	802.11ac(VHT40)	38	5190	10.21	11.50	No
		46	5230	13.47	13.50	No
	802.11ac(VHT80)	42	5210	9.84	11.50	No
5.3 (5.25~5.35)	802.11a	52	5260	13.37	13.50	No
		60	5300	12.99	13.50	No
		64	5320	11.62	12.50	No
	802.11n(HT20)	52	5260	13.15	13.50	No
		60	5300	13.35	13.50	No
		64	5320	13.23	13.50	No
	802.11n(HT40)	54	5270	12.74	13.50	Yes
		62	5310	8.93	9.50	No
	802.11ac(VHT20)	52	5260	13.25	13.50	No
		60	5300	13.16	13.50	No
		64	5320	10.18	10.50	No
	802.11ac(VHT40)	54	5270	12.97	13.50	No
		62	5310	9.46	10.50	No
	802.11ac(VHT80)	58	5290	10.69	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	12.38	12.50	No
		116	5580	14.29	14.50	No
		140	5700	9.15	9.50	No
	802.11n(HT20)	100	5500	10.38	10.50	No
		116	5580	14.28	14.50	No
		140	5700	9.08	9.50	No
	802.11n(HT40)	102	5510	5.92	6.50	No
		118	5590	13.87	14.50	No

		134	5670	10.18	11.50	No
	802.11ac(VHT20)	100	5500	10.02	10.50	No
		116	5580	14.02	14.50	No
		140	5700	10.11	11.50	No
	802.11ac(VHT40)	102	5510	5.75	6.50	No
		118	5590	14.27	14.50	No
		134	5670	10.28	11.50	No
	802.11ac(VHT80)	106	5530	13.35	13.50	No
		122	5690	14.34	14.50	Yes
	5.8 (5.725~5.850)	802.11a	149	5745	14.19	14.50
157			5785	14.45	14.50	No
165			5825	13.85	14.50	No
802.11n(HT20)		149	5745	12.44	12.50	No
		157	5785	14.09	14.50	No
		165	5825	14.25	14.50	No
802.11n(HT40)		151	5755	8.30	8.50	No
		159	5795	13.59	14.50	Yes
802.11ac(VHT20)		149	5745	12.38	12.50	No
		157	5785	14.19	14.50	No
		165	5825	14.35	14.50	No
802.11ac(VHT40)		151	5755	7.92	8.50	No
		159	5795	14.08	14.50	No
802.11ac(VHT80)		155	5775	12.46	12.50	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

8.4.9 5G WIFI-Level3

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	12.32	12.50	No
		44	5220	16.94	17.50	No
		48	5240	17.25	17.50	No
	802.11n(HT20)	36	5180	10.38	10.50	No
		44	5220	17.34	17.50	No
		48	5240	17.31	17.50	No
	802.11n(HT40)	38	5190	7.44	8.50	No
		46	5230	16.73	17.50	No
	802.11ac(VHT20)	36	5180	13.32	13.50	No
		44	5220	17.31	17.50	No
		48	5240	17.36	17.50	No
	802.11ac(VHT40)	38	5190	10.21	11.50	No
		46	5230	17.38	17.50	No
	802.11ac(VHT80)	42	5210	9.84	11.50	No
5.3 (5.25~5.35)	802.11a	52	5260	17.28	17.50	No
		60	5300	17.31	17.50	No
		64	5320	11.62	12.50	No
	802.11n(HT20)	52	5260	17.06	17.50	No
		60	5300	17.24	17.50	No
		64	5320	14.44	14.50	No
	802.11n(HT40)	54	5270	17.44	17.50	Yes
		62	5310	8.57	9.50	No
	802.11ac(VHT20)	52	5260	17.33	17.50	No
		60	5300	17.06	17.50	No
		64	5320	10.18	10.50	No
	802.11ac(VHT40)	54	5270	17.24	17.50	No
		62	5310	9.46	10.50	No
	802.11ac(VHT80)	58	5290	10.69	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	12.38	12.50	No
		116	5580	18.01	18.50	No
		140	5700	9.15	9.50	No
	802.11n(HT20)	100	5500	10.38	10.50	No
		116	5580	18.48	18.50	No
		140	5700	9.08	9.50	No
	802.11n(HT40)	102	5510	5.92	6.50	No
		118	5590	17.73	18.50	No

	802.11ac(VHT20)	134	5670	10.18	11.50	No
		100	5500	10.02	10.50	No
		116	5580	18.27	18.50	No
		140	5700	10.11	11.50	No
	802.11ac(VHT40)	102	5510	5.75	6.50	No
		118	5590	17.53	18.50	No
		134	5670	10.28	11.50	No
	802.11ac(VHT80)	106	5530	11.65	13.50	Yes
		122	5690	18.21	18.50	Yes
	5.8 (5.725~5.850)	802.11a	149	5745	16.16	16.50
157			5785	17.69	18.50	No
165			5825	18.12	18.50	No
802.11n(HT20)		149	5745	12.44	12.50	No
		157	5785	16.37	17.50	No
		165	5825	16.52	17.50	No
802.11n(HT40)		151	5755	8.25	8.50	Yes
		159	5795	17.69	18.50	Yes
802.11ac(VHT20)		149	5745	12.38	12.50	No
		157	5785	17.24	18.50	No
		165	5825	6.22	6.50	No
802.11ac(VHT40)		151	5755	7.92	8.50	No
		159	5795	17.06	18.50	No
802.11ac(VHT80)		155	5775	12.46	12.50	No

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

8.4.10 5G WIFI-Level4

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	12.32	12.50	No
		44	5220	12.21	12.50	No
		48	5240	12.36	12.50	No
	802.11n(HT20)	36	5180	10.38	10.50	No
		44	5220	12.25	12.50	No
		48	5240	12.15	12.50	No
	802.11n(HT40)	38	5190	7.44	8.50	No
		46	5230	11.47	12.50	Yes
	802.11ac(VHT20)	36	5180	12.29	12.50	No
		44	5220	12.06	12.50	No
		48	5240	12.38	12.50	No
	802.11ac(VHT40)	38	5190	10.21	11.50	No
		46	5230	12.05	12.50	No
	802.11ac(VHT80)	42	5210	9.84	11.50	No
5.3 (5.25~5.35)	802.11a	52	5260	12.32	12.50	No
		60	5300	12.46	12.50	No
		64	5320	11.62	12.50	No
	802.11n(HT20)	52	5260	12.31	12.50	No
		60	5300	12.22	12.50	No
		64	5320	12.01	12.50	No
	802.11n(HT40)	54	5270	11.86	12.50	No
		62	5310	8.57	9.50	No
	802.11ac(VHT20)	52	5260	12.23	12.50	No
		60	5300	12.24	12.50	No
		64	5320	10.18	10.50	No
	802.11ac(VHT40)	54	5270	12.25	12.50	No
		62	5310	9.46	10.50	No
	802.11ac(VHT80)	58	5290	10.69	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	12.38	12.50	No
		116	5580	14.39	14.50	No
		140	5700	9.15	9.50	No
	802.11n(HT20)	100	5500	10.38	10.50	No
		116	5580	14.11	14.50	No
		140	5700	9.08	9.50	No
	802.11n(HT40)	102	5510	5.92	6.50	No
		118	5590	14.10	14.50	No

	802.11ac(VHT20)	134	5670	10.18	11.50	No	
		100	5500	10.02	10.50	No	
		116	5580	14.22	14.50	No	
	802.11ac(VHT40)	140	5700	10.11	11.50	No	
		102	5510	5.75	6.50	No	
		118	5590	14.22	14.50	No	
	802.11ac(VHT80)	134	5670	10.28	11.50	No	
		106	5530	11.65	13.50	No	
	5.8 (5.725~5.850)	802.11a	122	5690	14.23	14.50	No
			149	5745	15.33	15.50	No
157			5785	15.34	15.50	No	
802.11n(HT20)		165	5825	15.08	15.50	No	
		149	5745	12.44	12.50	No	
		157	5785	15.28	15.50	No	
802.11n(HT40)		165	5825	15.20	15.50	No	
		151	5755	8.25	8.50	No	
802.11ac(VHT20)		159	5795	14.73	15.50	Yes	
		149	5745	12.38	12.50	No	
		157	5785	15.18	15.50	No	
802.11ac(VHT40)		165	5825	15.17	15.50	No	
		151	5755	7.92	8.50	No	
802.11ac(VHT80)		159	5795	15.08	15.50	No	
		155	5775	12.46	12.50	No	

Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

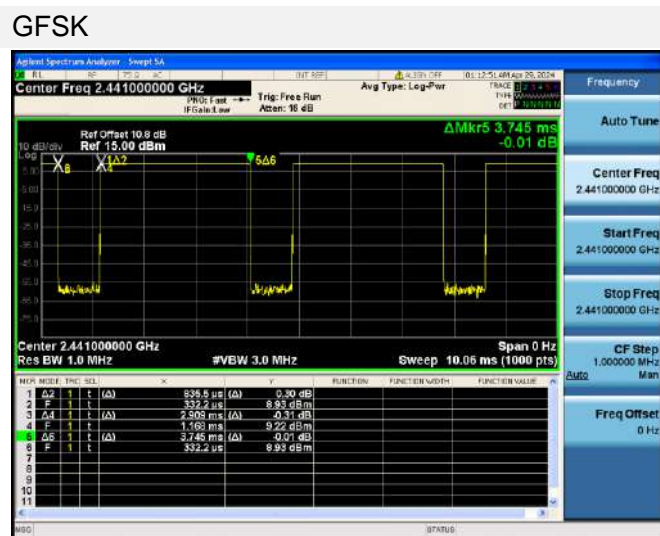
8.5 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
AV Power (dBm)	9.89	9.62	9.98	8.58	8.62	9.23
Tune-Up Limit (dBm)	11.50	11.50	11.50	10.00	10.00	10.00
SAR Test Require	YES	YES	YES	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
AV Power (dBm)	8.73	8.77	9.41	/	/	/
Tune-Up Limit (dBm)	10.00	10.00	10.00	/	/	/
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
AV Power (dBm)	1.82	1.27	1.73	2.25	1.51	1.63
Tune-Up Limit (dBm)	3.00	3.00	3.00	3.00	3.00	3.00
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 \leq ¼ dB higher than the primary mode.

Note: The Bluetooth duty cycle is 77.69 % 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



8.6 Power Reduction List

1. This mobile phone device supports the receiver detection mechanism .This device uses the receiver to indicate whether the user is making a call in head.
2. When device is making call in head, and the receiver will work, the power reduction will applied for SAR compliance.
3. When there is a voice call (including VOIP), the audio is actively routed through the headset or speaker, and the receiver will not work, which indicating the body exposure conditions will trigger the body/Limbs exposure reduced the power.
4. When this device used data mode only, and the receiver will not work too, the reduced the power are same as body exposure.

WWAN Reduced power level table

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

Mode	Antenna	WWAN Antenna1				
		Full Power	Head		Body	
			Receiver on		Receiver off	
			State1	State2	Body-worn/Specific	Body-worn/Hotspot/Specific
GSM 850	ANT1	33.50	32.50	32.50	33.50	33.50
GPRS850 1 Tx Slot	ANT1	33.50	32.50	32.50	33.50	33.50
GPRS850 2 Tx Slots	ANT1	32.00	30.50	30.50	32.00	32.00
GPRS850 3 Tx Slots	ANT1	30.50	29.50	29.50	30.50	30.50
GPRS850 4 Tx Slots	ANT1	29.00	27.00	27.00	29.00	29.00
EGPRS850 1 Tx Slot	ANT1	27.50	24.00	24.00	27.50	27.50
EGPRS850 2 Tx Slots	ANT1	25.50	22.00	22.00	25.50	25.50
EGPRS850 3 Tx Slots	ANT1	23.50	20.00	20.00	23.50	23.50
EGPRS850 4 Tx Slots	ANT1	22.50	18.00	18.00	22.50	22.50
GSM 1900	ANT1	29.50	26.50	26.50	29.50	29.50
GPRS1900 1 Tx Slot	ANT1	29.50	26.50	26.50	29.50	29.50
GPRS1900 2 Tx Slots	ANT1	27.50	24.50	24.50	27.50	27.50
GPRS1900 3 Tx Slots	ANT1	26.50	23.50	23.50	26.50	26.50
GPRS1900 4 Tx Slots	ANT1	24.50	21.50	21.50	24.50	24.50
EGPRS1900 1 Tx Slot	ANT1	27.00	24.00	24.00	27.00	27.00

EGPRS1900 2 Tx Slots	ANT1	24.00	21.50	21.50	24.00	24.00
EGPRS1900 3 Tx Slots	ANT1	22.00	15.00	15.00	22.00	22.00
EGPRS1900 4 Tx Slots	ANT1	18.50	13.00	13.00	18.50	18.50
WCDMA Band2 RMC	ANT1	21.00	16.00	16.00	21.00	20.00
AMR	ANT1	21.00	16.00	16.00	21.00	20.00
HSDPA Subtest-1	ANT1	20.00	15.50	15.50	20.00	19.00
HSDPA Subtest-2	ANT1	20.00	15.50	15.50	20.00	19.00
HSDPA Subtest-3	ANT1	20.00	15.00	15.00	20.00	19.00
HSDPA Subtest-4	ANT1	20.00	15.00	15.00	20.00	19.00
DC-HSDPA Subtest-1	ANT1	20.00	15.50	15.50	20.00	19.00
DC-HSDPA Subtest-2	ANT1	20.00	15.50	15.50	20.00	19.00
DC-HSDPA Subtest-3	ANT1	20.00	15.00	15.00	20.00	19.00
DC-HSDPA Subtest-4	ANT1	20.00	15.00	15.00	20.00	19.00
HSUPA Subtest-1	ANT1	19.50	15.00	15.00	19.50	18.50
HSUPA Subtest-2	ANT1	19.00	13.50	13.50	19.00	18.00
HSUPA Subtest-3	ANT1	19.00	13.00	13.00	19.00	18.00
HSUPA Subtest-4	ANT1	19.50	14.00	14.00	19.50	18.50
HSUPA Subtest-5	ANT1	20.50	15.50	15.50	20.50	19.50
HSPA+	ANT1	19.00	13.50	13.50	19.00	18.00
WCDMA Band4 RMC	ANT1	21.00	17.50	17.50	21.00	20.50
AMR	ANT1	21.00	17.50	17.50	21.00	20.50
HSDPA Subtest-1	ANT1	20.50	17.00	17.00	20.50	20.00
HSDPA Subtest-2	ANT1	20.50	17.00	17.00	20.50	20.00
HSDPA Subtest-3	ANT1	20.50	16.50	16.50	20.50	20.00
HSDPA Subtest-4	ANT1	20.50	16.50	16.50	20.50	20.00
DC-HSDPA Subtest-1	ANT1	20.50	17.00	17.00	20.50	20.00
DC-HSDPA Subtest-2	ANT1	20.50	17.00	17.00	20.50	20.00
DC-HSDPA Subtest-3	ANT1	20.50	16.50	16.50	20.50	20.00
DC-HSDPA Subtest-4	ANT1	20.50	16.50	16.50	20.50	20.00
HSUPA Subtest-1	ANT1	20.00	16.50	16.50	20.00	19.50
HSUPA Subtest-2	ANT1	18.00	15.00	15.00	18.00	18.00
HSUPA Subtest-3	ANT1	18.00	15.00	15.00	18.00	18.00
HSUPA Subtest-4	ANT1	20.50	16.50	16.50	20.50	20.00
HSUPA Subtest-5	ANT1	20.50	17.00	17.00	20.50	20.00
HSPA+	ANT1	19.00	15.50	15.50	19.00	18.50
WCDMA Band5 RMC	ANT1	24.50	23.50	23.50	24.50	24.50
AMR	ANT1	24.50	23.50	23.50	24.50	24.50
HSDPA Subtest-1	ANT1	24.00	23.00	23.00	24.00	24.00
HSDPA Subtest-2	ANT1	24.00	23.00	23.00	24.00	24.00
HSDPA Subtest-3	ANT1	23.50	22.50	22.50	23.50	23.50
HSDPA Subtest-4	ANT1	23.50	22.50	22.50	23.50	23.50
DC-HSDPA Subtest-1	ANT1	24.00	23.00	23.00	24.00	24.00
DC-HSDPA Subtest-2	ANT1	24.00	23.00	23.00	24.00	24.00

DC-HSDPA Subtest-3	ANT1	23.50	22.50	22.50	23.50	23.50
DC-HSDPA Subtest-4	ANT1	23.50	22.50	22.50	23.50	23.50
HSUPA Subtest-1	ANT1	23.50	22.50	22.50	23.50	23.50
HSUPA Subtest-2	ANT1	22.50	21.50	21.50	22.50	22.50
HSUPA Subtest-3	ANT1	22.50	21.50	21.50	22.50	22.50
HSUPA Subtest-4	ANT1	23.50	22.50	22.50	23.50	23.50
HSUPA Subtest-5	ANT1	23.50	22.50	22.50	23.50	23.50
HSPA+	ANT1	22.50	21.50	21.50	22.50	22.50
LTE Band2	ANT1	21.50	18.00	18.00	21.50	20.50
LTE Band4	ANT1	21.00	18.50	18.00	21.00	20.00
LTE Band5	ANT1	24.50	23.00	23.00	24.50	24.50
LTE Band7	ANT1	20.00	17.50	17.50	20.00	20.00
LTE Band13	ANT1	24.50	24.50	24.50	24.50	24.50
LTE Band66	ANT1	21.50	18.00	18.00	21.50	20.50
LTE Band38	ANT1	23.00	20.00	20.00	23.00	23.00
LTE Band41	ANT1	23.00	19.50	19.50	23.00	23.00

Mode	Antenna	WWAN Antenna0				
		Full Power	Head		Body	
			Receiver on		Receiver off	
			State1	State2	Body-worn/Specific	Body-worn/Hotspot/Specific
GSM 850	ANT0	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	ANT0	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slots	ANT0	31.50	31.50	31.50	31.50	31.50
GPRS850 3 Tx Slots	ANT0	30.50	30.50	30.50	30.50	30.50
GPRS850 4 Tx Slots	ANT0	28.00	28.00	28.00	28.00	28.00
EGPRS850 1 Tx Slot	ANT0	27.00	27.00	27.00	27.00	27.00
EGPRS850 2 Tx Slots	ANT0	26.00	26.00	26.00	26.00	26.00
EGPRS850 3 Tx Slots	ANT0	24.00	24.00	24.00	24.00	24.00
EGPRS850 4 Tx Slots	ANT0	22.00	22.00	22.00	22.00	22.00
GSM 1900	ANT0	30.50	30.50	30.50	30.50	29.50
GPRS1900 1 Tx Slot	ANT0	30.50	30.50	30.50	30.50	29.50
GPRS1900 2 Tx Slots	ANT0	28.50	28.50	28.50	28.50	27.50
GPRS1900 3 Tx Slots	ANT0	27.00	27.00	27.00	27.00	26.00
GPRS1900 4 Tx Slots	ANT0	25.00	25.00	25.00	25.00	24.00
EGPRS1900 1 Tx Slot	ANT0	26.50	26.50	26.50	26.50	25.50
EGPRS1900 2 Tx Slots	ANT0	25.00	25.00	25.00	25.00	24.00
EGPRS1900 3 Tx Slots	ANT0	23.00	23.00	23.00	23.00	21.00
EGPRS1900 4 Tx Slots	ANT0	21.00	21.00	21.00	21.00	18.00
WCDMA Band2 RMC	ANT0	24.00	24.00	24.00	21.00	20.50
AMR	ANT0	24.00	24.00	24.00	21.00	20.50
HSDPA Subtest-1	ANT0	23.00	23.00	23.00	20.50	19.50

HSDPA Subtest-2	ANT0	23.00	23.00	23.00	20.50	19.50
HSDPA Subtest-3	ANT0	23.00	23.00	23.00	20.50	19.50
HSDPA Subtest-4	ANT0	23.00	23.00	23.00	20.50	19.50
DC-HSDPA Subtest-1	ANT0	23.00	23.00	23.00	20.50	19.50
DC-HSDPA Subtest-2	ANT0	23.00	23.00	23.00	20.50	19.50
DC-HSDPA Subtest-3	ANT0	23.00	23.00	23.00	20.50	19.50
DC-HSDPA Subtest-4	ANT0	23.00	23.00	23.00	20.50	19.50
HSUPA Subtest-1	ANT0	22.50	22.50	22.50	20.00	19.00
HSUPA Subtest-2	ANT0	22.00	22.00	22.00	19.50	18.50
HSUPA Subtest-3	ANT0	22.00	22.00	22.00	19.50	18.50
HSUPA Subtest-4	ANT0	22.50	22.50	22.50	20.00	19.00
HSUPA Subtest-5	ANT0	23.50	23.50	23.50	21.00	20.00
HSPA+	ANT0	22.00	22.00	22.00	19.50	18.50
WCDMA Band4 RMC	ANT0	24.00	24.00	24.00	21.50	21.00
AMR	ANT0	24.00	24.00	24.00	21.50	21.00
HSDPA Subtest-1	ANT0	23.50	23.50	23.50	21.00	20.50
HSDPA Subtest-2	ANT0	23.50	23.50	23.50	21.00	20.50
HSDPA Subtest-3	ANT0	23.50	23.50	23.50	21.00	20.50
HSDPA Subtest-4	ANT0	23.50	23.50	23.50	21.00	20.50
DC-HSDPA Subtest-1	ANT0	23.50	23.50	23.50	21.00	20.50
DC-HSDPA Subtest-2	ANT0	23.50	23.50	23.50	21.00	20.50
DC-HSDPA Subtest-3	ANT0	23.50	23.50	23.50	21.00	20.50
DC-HSDPA Subtest-4	ANT0	23.50	23.50	23.50	21.00	20.50
HSUPA Subtest-1	ANT0	23.00	23.00	23.00	21.00	20.00
HSUPA Subtest-2	ANT0	22.00	22.00	22.00	20.00	19.50
HSUPA Subtest-3	ANT0	22.00	22.00	22.00	20.00	19.50
HSUPA Subtest-4	ANT0	23.50	23.50	23.50	21.50	20.50
HSUPA Subtest-5	ANT0	23.50	23.50	23.50	21.50	20.50
HSPA+	ANT0	22.00	22.00	22.00	20.00	19.50
WCDMA Band5 RMC	ANT0	24.50	24.50	24.50	24.50	24.00
AMR	ANT0	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-1	ANT0	24.00	24.00	24.00	24.00	23.50
HSDPA Subtest-2	ANT0	24.00	24.00	24.00	24.00	23.50
HSDPA Subtest-3	ANT0	23.50	23.50	23.50	23.50	23.00
HSDPA Subtest-4	ANT0	23.50	23.50	23.50	23.50	23.00
DC-HSDPA Subtest-1	ANT0	24.00	24.00	24.00	24.00	23.50
DC-HSDPA Subtest-2	ANT0	24.00	24.00	24.00	24.00	23.50
DC-HSDPA Subtest-3	ANT0	23.50	23.50	23.50	23.50	23.00
DC-HSDPA Subtest-4	ANT0	23.50	23.50	23.50	23.50	23.00
HSUPA Subtest-1	ANT0	23.50	23.50	23.50	23.50	23.00
HSUPA Subtest-2	ANT0	22.50	22.50	22.50	22.50	22.00
HSUPA Subtest-3	ANT0	22.50	22.50	22.50	22.50	22.00
HSUPA Subtest-4	ANT0	23.50	23.50	23.50	23.50	23.00

HSUPA Subtest-5	ANT0	23.50	23.50	23.50	23.50	23.00
HSPA+	ANT0	22.50	22.50	22.50	22.50	22.00
LTE Band2	ANT0	23.50	23.50	23.50	21.00	21.00
LTE Band4	ANT0	23.50	23.50	23.50	21.00	21.00
LTE Band5	ANT0	24.50	24.50	24.50	24.50	24.00
LTE Band7	ANT0	23.50	23.50	23.50	21.00	21.00
LTE Band12	ANT0	24.50	24.50	24.50	24.50	24.00
LTE Band66	ANT0	24.00	24.00	24.00	21.50	21.00
LTE Band38	ANT0	24.00	24.00	24.00	23.00	23.00
LTE Band41	ANT0	24.00	24.00	24.00	23.00	23.00

WLAN&BT Reduced power level table

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

Mode	Antenna	WLAN Antenna2				
		Full Power	Head		Body	
			Receiver on		Receiver off	
			Level1	Level2	Body-worn/Specific Level3	Body-worn/Hotspot/Specific Level4
2.4G WLAN 802.11b	ANT2	16.00	16.00	14.00	16.00	16.00
2.4G WLAN 802.11g	ANT2	19.00	18.00	14.00	19.00	17.00
2.4G WLAN 802.11n20	ANT2	19.00	18.00	14.00	19.00	17.00
2.4G WLAN 802.11n40	ANT2	17.00	17.00	14.00	17.00	17.00
5.2G WLAN 802.11a	ANT2	18.50	17.50	13.50	17.50	12.50
5.2G WLAN 802.11n20	ANT2	18.50	17.50	13.50	17.50	12.50
5.2G WLAN 802.11n40	ANT2	17.50	17.50	13.50	17.50	12.50
5.2G WLAN 802.11ac20	ANT2	18.50	17.50	13.50	17.50	12.50
5.2G WLAN 802.11ac40	ANT2	18.50	17.50	13.50	17.50	12.50
5.2G WLAN 802.11ac80	ANT2	11.50	11.50	11.50	11.50	11.50
5.3G WLAN 802.11a	ANT2	18.50	17.50	13.50	17.50	12.50
5.3G WLAN 802.11n20	ANT2	18.50	17.50	13.50	17.50	12.50
5.3G WLAN 802.11n40	ANT2	18.50	17.50	13.50	17.50	12.50
5.3G WLAN 802.11ac20	ANT2	18.50	17.50	13.50	17.50	12.50
5.3G WLAN 802.11ac40	ANT2	18.50	17.50	13.50	17.50	12.50
5.3G WLAN 802.11ac80	ANT2	12.50	12.50	12.50	12.50	12.50
5.6G WLAN 802.11a	ANT2	18.50	18.50	14.50	18.50	14.50
5.6G WLAN 802.11n20	ANT2	18.50	18.50	14.50	18.50	14.50
5.6G WLAN 802.11n40	ANT2	18.50	18.50	14.50	18.50	14.50
5.6G WLAN 802.11ac20	ANT2	18.80	18.50	14.50	18.50	14.50
5.6G WLAN 802.11ac40	ANT2	18.50	18.50	14.50	18.50	14.50
5.6G WLAN 802.11ac80	ANT2	18.50	18.50	14.50	18.50	14.50
5.8G WLAN 802.11a	ANT2	18.50	18.50	14.50	18.50	15.50
5.8G WLAN 802.11n20	ANT2	17.50	17.50	14.50	17.50	15.50
5.8G WLAN 802.11n40	ANT2	18.50	18.50	14.50	18.50	15.50

5.8G WLAN 802.11ac20	ANT2	18.50	18.50	14.50	18.50	15.50
5.8G WLAN 802.11ac40	ANT2	18.50	18.50	14.50	18.50	15.50
5.8G WLAN 802.11ac80	ANT2	12.50	12.50	12.50	12.50	12.50
Bluetooth	ANT2	11.50	11.50	11.50	11.50	11.50

9 TEST EXCLUSION CONSIDERATION

9.1 SAR Test Exclusion Consideration Table

Please refer the document “BL-SZ2441131-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.0	<25	<25	<25	<25	>25	<25
Ant.2	<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	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State1&2	3Slots	Left Cheek	0	190	836.6	0.11	0.365	27.76	29.50	1.493	0.545	/
	State1&2		Left Tilt	0	190	836.6	0.09	0.366	27.76	29.50	1.493	0.546	/
	State1&2		Right Cheek	0	190	836.6	0.00	0.547	27.76	29.50	1.493	0.817	1#
	State1&2		Right Tilt	0	190	836.6	0.00	0.411	27.76	29.50	1.493	0.614	/
	State1&2		Right Cheek	0	128	824.2	-0.10	0.523	27.72	29.50	1.507	0.788	/
	State1&2		Right Cheek	0	251	848.8	0.08	0.529	27.74	29.50	1.500	0.794	/
Ant.0	State1&2	3Slots	Left Cheek	0	190	836.6	-0.07	0.140	28.66	30.50	1.528	0.214	/
	State1&2		Left Tilt	0	190	836.6	-0.18	0.074	28.66	30.50	1.528	0.113	/
	State1&2		Right Cheek	0	190	836.6	0.07	0.137	28.66	30.50	1.528	0.209	/
	State1&2		Right Tilt	0	190	836.6	-0.17	0.076	28.66	30.50	1.528	0.116	/
Body-worn													
Ant.1	State3&4	3Slots	Front Side	15	190	836.6	-0.13	0.086	28.64	30.50	1.535	0.132	/
	State3&4		Back Side	15	190	836.6	-0.07	0.126	28.64	30.50	1.535	0.193	2#
Ant.0	State3&4	3Slots	Front Side	15	190	836.6	0.02	0.081	28.66	30.50	1.528	0.124	/
	State3&4		Back Side	15	190	836.6	-0.12	0.121	28.66	30.50	1.528	0.185	/
Hotspot													
Ant.1	State4	3Slots	Front Side	10	190	836.6	0.11	0.082	28.64	30.50	1.535	0.126	/
	State4		Back Side	10	190	836.6	-0.09	0.111	28.64	30.50	1.535	0.170	/
	State4		Right Edge	10	190	836.6	-0.08	0.044	28.64	30.50	1.535	0.068	/
	State4		Top Edge	10	190	836.6	-0.12	0.100	28.64	30.50	1.535	0.154	/
Ant.0	State4	3Slots	Front Side	10	190	836.6	-0.03	0.072	28.66	30.50	1.528	0.110	/
	State4		Back Side	10	190	836.6	-0.16	0.112	28.66	30.50	1.528	0.171	/
	State4		Left Edge	10	190	836.6	-0.14	0.068	28.66	30.50	1.528	0.104	/
	State4		Right Edge	10	190	836.6	-0.01	0.045	28.66	30.50	1.528	0.069	/
	State4		Bottom Edge	10	190	836.6	-0.06	0.125	28.66	30.50	1.528	0.191	3#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.2 GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant. 1	State1&2	3Slots	Left Cheek	0	661	1880	0.19	0.532	22.26	23.50	1.330	0.708	/
	State1&2		Left Tilt	0	661	1880	-0.11	0.627	22.26	23.50	1.330	0.834	/
	State1&2		Right Cheek	0	661	1880	0.04	0.633	22.26	23.50	1.330	0.842	/
	State1&2		Right Tilt	0	661	1880	-0.15	0.777	22.26	23.50	1.330	1.033	/
	State1&2		Left Tilt	0	512	1850.2	-0.14	0.611	22.09	23.50	1.384	0.846	/
	State1&2		Left Tilt	0	810	1909.8	0.05	0.632	22.21	23.50	1.346	0.851	/
	State1&2		Right Cheek	0	512	1850.2	0.08	0.630	22.09	23.50	1.384	0.872	/
	State1&2		Right Cheek	0	810	1909.8	-0.11	0.652	22.21	23.50	1.346	0.878	/
	State1&2		Right Tilt	0	512	1850.2	0.03	0.701	22.09	23.50	1.384	0.970	/
	State1&2		Right Tilt	0	810	1909.8	-0.12	0.868	22.21	23.50	1.346	1.168	4#
Ant. 0	State1&2	3Slots	Left Cheek	0	661	1880	-0.06	0.057	25.41	27.00	1.442	0.082	/
	State1&2		Left Tilt	0	661	1880	0.15	0.064	25.41	27.00	1.442	0.092	/
	State1&2		Right Cheek	0	661	1880	0.09	0.067	25.41	27.00	1.442	0.097	/
	State1&2		Right Tilt	0	661	1880	0.11	0.072	25.41	27.00	1.442	0.104	/
Body-worn													
Ant. 1	State3	3Slots	Front Side	15	661	1880	0.15	0.113	24.92	26.50	1.439	0.163	/
	State3		Back Side	15	661	1880	0.03	0.136	24.92	26.50	1.439	0.196	5#
Ant. 0	State3	3Slots	Front Side	15	661	1880	-0.13	0.081	25.41	27.00	1.442	0.117	/
	State3		Back Side	15	661	1880	0.17	0.126	25.41	27.00	1.442	0.182	/
Hotspot													
Ant. 1	State4	3Slots	Front Side	10	661	1880	0.18	0.130	24.92	26.50	1.439	0.187	/
	State4		Back Side	10	661	1880	0.18	0.166	24.92	26.50	1.439	0.239	/
	State4		Right Edge	10	661	1880	-0.12	0.023	24.92	26.50	1.439	0.033	/
	State4		Top Edge	10	661	1880	-0.16	0.471	24.92	26.50	1.439	0.678	6#
Ant. 0	State4	3Slots	Front Side	10	661	1880	0.00	0.127	25.47	26.00	1.130	0.144	/
	State4		Back Side	10	661	1880	-0.03	0.250	25.47	26.00	1.130	0.283	/
	State4		Left Edge	10	661	1880	-0.18	0.029	25.47	26.00	1.130	0.033	/
	State4		Right Edge	10	661	1880	-0.01	0.087	25.47	26.00	1.130	0.098	/
	State4		Bottom Edge	10	661	1880	-0.02	0.315	25.47	26.00	1.130	0.356	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.1	State3&4	3Slots	Top Edge	0	661	1880	0.03	1.810	25.18	26.50	1.355	2.453	/
	State3&4		Top Edge	0	512	1850.2	0.02	1.850	25.13	26.50	1.371	2.536	/
	State3&4		Top Edge	0	810	1909.8	0.03	1.920	25.08	26.50	1.387	2.663	7#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.3WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State1&2	RMC	Left Cheek	0	9400	1880	-0.05	0.611	15.92	16.00	1.019	0.623	/
	State1&2		Left Tilt	0	9400	1880	0.14	0.663	15.92	16.00	1.019	0.676	/
	State1&2		Right Cheek	0	9400	1880	-0.16	0.671	15.92	16.00	1.019	0.684	/
	State1&2		Right Tilt	0	9400	1880	-0.06	0.949	15.92	16.00	1.019	0.967	8#
	State1&2		Right Tilt	0	9262	1852.4	0.11	0.921	15.90	16.00	1.023	0.942	/
	State1&2		Right Tilt	0	9538	1907.6	0.13	0.902	15.82	16.00	1.042	0.940	/
Ant.0	State1&2	RMC	Left Cheek	0	9400	1880	0.13	0.103	22.89	24.00	1.291	0.133	/
	State1&2		Left Tilt	0	9400	1880	-0.16	0.114	22.89	24.00	1.291	0.147	/
	State1&2		Right Cheek	0	9400	1880	-0.16	0.104	22.89	24.00	1.291	0.134	/
	State1&2		Right Tilt	0	9400	1880	0.13	0.131	22.89	24.00	1.291	0.169	/
Body-worn													
Ant.1	State3	RMC	Front Side	15	9400	1880	-0.05	0.148	20.19	21.00	1.205	0.178	/
	State3		Back Side	15	9400	1880	0.04	0.176	20.19	21.00	1.205	0.212	/
Ant.0	State3	RMC	Front Side	15	9400	1880	-0.12	0.182	20.46	21.00	1.132	0.206	/
	State3		Back Side	15	9400	1880	-0.01	0.311	20.46	21.00	1.132	0.352	9#
Hotspot													
Ant.1	State4	RMC	Front Side	10	9400	1880	0.02	0.205	18.26	20.00	1.493	0.306	/
	State4		Back Side	10	9400	1880	0.15	0.224	18.26	20.00	1.493	0.334	/
	State4		Right Edge	10	9400	1880	-0.17	0.054	18.26	20.00	1.493	0.081	/
	State4		Top Edge	10	9400	1880	-0.02	0.373	18.26	20.00	1.493	0.557	/
Ant.0	State4	RMC	Front Side	10	9400	1880	0.08	0.198	20.46	20.50	1.009	0.200	/
	State4		Back Side	10	9400	1880	-0.10	0.400	20.46	20.50	1.009	0.404	/
	State4		Left Edge	10	9400	1880	0.18	0.048	20.46	20.50	1.009	0.048	/
	State4		Right Edge	10	9400	1880	0.18	0.130	20.46	20.50	1.009	0.131	/
	State4		Bottom Edge	10	9400	1880	-0.06	0.838	20.46	20.50	1.009	0.846	10#
	State4		Bottom Edge	10	9262	1852.4	-0.17	0.811	20.37	20.50	1.030	0.835	/
	State4		Bottom Edge	10	9538	1907.6	0.05	0.802	20.38	20.50	1.028	0.824	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.1	State3	RMC	Top Edge	0	9400	1880	0.04	1.980	20.19	21.00	1.205	2.386	11#
	State3		Top Edge	0	9262	1852.4	0.01	1.910	20.04	21.00	1.247	2.382	/
	State3		Top Edge	0	9538	1907.6	-0.18	1.830	20.09	21.00	1.233	2.256	/
Ant.1	State4	RMC	Top Edge	0	9400	1880	0.05	1.330	18.26	20.00	1.493	1.986	/
Ant.0	State3	RMC	Bottom Edge	0	9400	1880	0.05	1.430	20.46	21.00	1.132	1.619	/
	State3		Bottom Edge	0	9262	1852.4	-0.14	1.320	20.37	21.00	1.156	1.526	/
	State3		Bottom Edge	0	9538	1907.6	0.08	1.350	20.38	21.00	1.153	1.557	/
Ant.0	State4	RMC	Bottom Edge	0	9400	1880	0.02	1.220	20.46	20.50	1.009	1.231	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.4WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State1&2	RMC	Left Cheek	0	1312	1712.4	0.17	0.522	17.47	17.50	1.007	0.526	/
	State1&2		Left Tilt	0	1312	1712.4	0.15	0.605	17.47	17.50	1.007	0.609	/
	State1&2		Right Cheek	0	1312	1712.4	0.01	0.661	17.47	17.50	1.007	0.666	/
	State1&2		Right Tilt	0	1312	1712.4	-0.16	0.821	17.47	17.50	1.007	0.827	/
	State1&2		Right Tilt	0	1412	1732.4	0.19	0.713	17.45	17.50	1.012	0.722	/
	State1&2		Right Tilt	0	1513	1752.6	0.02	0.864	17.31	17.50	1.045	0.903	12#
Ant.0	State1&2	RMC	Left Cheek	0	1312	1712.4	0.14	0.086	22.76	24.00	1.330	0.114	/
	State1&2		Left Tilt	0	1312	1712.4	0.08	0.063	22.76	24.00	1.330	0.084	/
	State1&2		Right Cheek	0	1312	1712.4	0.15	0.100	22.76	24.00	1.330	0.133	/
	State1&2		Right Tilt	0	1312	1712.4	-0.03	0.087	22.76	24.00	1.330	0.116	/
Body-worn													
Ant.1	State3	RMC	Front Side	15	1312	1712.4	0.13	0.152	20.67	21.00	1.079	0.164	/
	State3		Back Side	15	1312	1712.4	0.13	0.133	20.67	21.00	1.079	0.144	/
Ant.0	State3	RMC	Front Side	15	1312	1712.4	0.01	0.107	20.80	21.50	1.175	0.126	/
	State3		Back Side	15	1312	1712.4	0.09	0.178	20.80	21.50	1.175	0.209	13#
Hotspot													
Ant.1	State4	RMC	Front Side	10	1312	1712.4	-0.19	0.171	18.78	20.50	1.486	0.254	/
	State4		Back Side	10	1312	1712.4	-0.17	0.156	18.78	20.50	1.486	0.232	/
	State4		Right Edge	10	1312	1712.4	0.01	0.049	18.78	20.50	1.486	0.073	/
	State4		Top Edge	10	1312	1712.4	0.04	0.272	18.78	20.50	1.486	0.404	/
Ant.0	State4	RMC	Front Side	10	1312	1712.4	0.18	0.189	20.80	21.00	1.047	0.198	/
	State4		Back Side	10	1312	1712.4	0.00	0.353	20.80	21.00	1.047	0.370	/
	State4		Left Edge	10	1312	1712.4	0.15	0.021	20.80	21.00	1.047	0.022	/
	State4		Right Edge	10	1312	1712.4	-0.08	0.082	20.80	21.00	1.047	0.086	/
	State4		Bottom Edge	10	1312	1712.4	-0.01	0.716	20.80	21.00	1.047	0.750	14#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.0	State3	RMC	Bottom Edge	0	1312	1712.4	0.09	1.910	20.80	21.50	1.175	2.244	/
	State3		Bottom Edge	0	1412	1732.4	0.08	1.880	20.73	21.50	1.194	2.245	/
	State3		Bottom Edge	0	1513	1752.6	0.03	1.960	20.75	21.50	1.189	2.330	15#
Ant.0	State4	RMC	Bottom Edge	0	1312	1712.4	0.09	1.910	20.80	21.00	1.047	2.000	/
	State4		Bottom Edge	0	1412	1732.4	0.08	1.880	20.73	21.00	1.064	2.000	/
	State4		Bottom Edge	0	1312	1712.4	0.03	1.960	20.80	21.00	1.047	2.052	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.5WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State1&2	RMC	Left Cheek	0	4182	836.4	0.08	0.494	22.44	23.50	1.276	0.630	/
	State1&2		Left Tilt	0	4182	836.4	0.07	0.472	22.44	23.50	1.276	0.602	/
	State1&2		Right Cheek	0	4182	836.4	-0.02	0.729	22.44	23.50	1.276	0.930	16#
	State1&2		Right Tilt	0	4182	836.4	0.17	0.595	22.44	23.50	1.276	0.759	/
	State1&2		Right Cheek	0	4132	826.4	-0.06	0.656	22.39	23.50	1.291	0.847	/
	State1&2		Right Cheek	0	4233	846.6	-0.14	0.623	22.37	23.50	1.297	0.808	/
Ant.0	State1&2	RMC	Left Cheek	0	4182	836.4	0.02	0.118	23.36	24.50	1.300	0.153	/
	State1&2		Left Tilt	0	4182	836.4	-0.02	0.063	23.36	24.50	1.300	0.082	/
	State1&2		Right Cheek	0	4182	836.4	-0.04	0.119	23.36	24.50	1.300	0.155	/
	State1&2		Right Tilt	0	4182	836.4	-0.15	0.068	23.36	24.50	1.300	0.088	/
Body-worn													
Ant.1	State3	RMC	Front Side	15	4182	836.4	0.10	0.056	23.82	24.50	1.169	0.065	/
	State3		Back Side	15	4182	836.4	-0.11	0.062	23.82	24.50	1.169	0.072	/
Ant.0	State3	RMC	Front Side	15	4182	836.4	-0.12	0.050	23.36	24.50	1.300	0.065	/
	State3		Back Side	15	4182	836.4	-0.19	0.072	23.36	24.50	1.300	0.094	17#
Hotspot													
Ant.1	State4	RMC	Front Side	10	4182	836.4	0.13	0.089	23.82	24.50	1.169	0.104	/
	State4		Back Side	10	4182	836.4	-0.14	0.120	23.82	24.50	1.169	0.140	/
	State4		Right Edge	10	4182	836.4	-0.13	0.059	23.82	24.50	1.169	0.069	/
	State4		Top Edge	10	4182	836.4	0.00	0.104	23.82	24.50	1.169	0.122	/
Ant.0	State4	RMC	Front Side	10	4182	846.6	0.10	0.115	23.36	24.50	1.300	0.150	/
	State4		Back Side	10	4182	836.4	-0.19	0.144	23.36	24.50	1.300	0.187	18#
	State4		Left Edge	10	4182	836.4	-0.04	0.106	23.36	24.50	1.300	0.138	/
	State4		Right Edge	10	4182	836.4	0.09	0.090	23.36	24.50	1.300	0.117	/
	State4		Bottom Edge	10	4182	836.4	0.18	0.131	23.36	24.50	1.300	0.170	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.6LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State1&2	QPSK	Left Cheek	0	19100	1900	1	Low	-0.16	0.621	17.34	18.00	1.164	0.723	/
	State1&2		Left Tilt	0	19100	1900	1	Low	-0.04	0.641	17.34	18.00	1.164	0.746	/
	State1&2		Right Cheek	0	19100	1900	1	Low	-0.04	0.665	17.34	18.00	1.164	0.774	/
	State1&2		Right Tilt	0	19100	1900	1	Low	0.11	0.935	17.34	18.00	1.164	1.088	19#
	State1&2		Left Cheek	0	19100	1900	50	Low	0.06	0.412	16.61	17.00	1.094	0.451	/
	State1&2		Left Tilt	0	19100	1900	50	Low	0.16	0.404	16.61	17.00	1.094	0.442	/
	State1&2		Right Cheek	0	19100	1900	50	Low	-0.09	0.466	16.61	17.00	1.094	0.510	/
	State1&2		Right Tilt	0	19100	1900	50	Low	0.16	0.523	16.61	17.00	1.094	0.572	/
	State1&2		Right Tilt	0	18700	1860	1	High	0.01	0.721	17.20	18.00	1.202	0.867	/
	State1&2		Right Tilt	0	18900	1880	1	High	0.02	0.621	17.02	18.00	1.253	0.778	/
	State1&2		Right Tilt	0	18700	1860	50	High	-0.19	0.488	16.02	17.00	1.253	0.611	/
	State1&2		Right Tilt	0	18900	1880	50	Low	0.04	0.456	16.05	17.00	1.245	0.568	/
	State1&2		Right Tilt	0	19100	1900	100	Low	0.19	0.532	16.14	17.00	1.219	0.649	/
	Ant.0		State1&2	QPSK	Left Cheek	0	18900	1880	1	High	-0.03	0.106	23.35	23.50	1.035
State1&2		Left Tilt	0		18900	1880	1	High	0.10	0.109	23.35	23.50	1.035	0.113	/
State1&2		Right Cheek	0		18900	1880	1	High	-0.17	0.122	23.35	23.50	1.035	0.126	/
State1&2		Right Tilt	0		18900	1880	1	High	0.12	0.113	23.35	23.50	1.035	0.117	/
State1&2		Left Cheek	0		18900	1880	50	Mid	-0.11	0.078	22.23	22.50	1.064	0.083	/
State1&2		Left Tilt	0		18900	1880	50	Mid	0.17	0.090	22.23	22.50	1.064	0.096	/
State1&2		Right Cheek	0		18900	1880	50	Mid	-0.16	0.089	22.23	22.50	1.064	0.095	/
State1&2		Right Tilt	0		18900	1880	50	Mid	0.17	0.091	22.23	22.50	1.064	0.097	/
Body-worn															
Ant.1	State3	QPSK	Front Side	15	19100	1900	1	Mid	-0.02	0.136	20.99	21.50	1.125	0.153	/
	State3		Back Side	15	19100	1900	1	Mid	0.03	0.220	20.99	21.50	1.125	0.248	20#
	State3		Front Side	15	19100	1900	50	Mid	0.16	0.097	20.81	21.00	1.045	0.101	/
	State3		Back Side	15	19100	1900	50	Mid	-0.08	0.113	20.81	21.00	1.045	0.118	/
Ant.0	State3	QPSK	Front Side	15	19100	1900	1	Mid	0.19	0.091	20.70	21.00	1.072	0.098	/
	State3		Back Side	15	19100	1900	1	Mid	0.04	0.175	20.70	21.00	1.072	0.188	/
	State3		Front Side	15	19100	1900	50	High	-0.11	0.059	19.19	20.00	1.205	0.071	/
	State3		Back Side	15	19100	1900	50	High	0.00	0.115	19.19	20.00	1.205	0.139	/
Hotspot															
Ant.1	State4	QPSK	Front Side	10	19100	1900	1	Mid	-0.06	0.267	20.52	21.00	1.117	0.298	/
	State4		Back Side	10	19100	1900	1	Mid	-0.02	0.315	20.52	21.00	1.117	0.352	/
	State4		Right Edge	10	19100	1900	1	Mid	0.05	0.059	20.52	21.00	1.117	0.066	/
	State4		Top Edge	10	19100	1900	1	Mid	0.04	0.472	20.52	21.00	1.117	0.527	21#
	State4		Front Side	10	19100	1900	50	Low	0.14	0.159	20.32	20.50	1.042	0.166	/

	State4		Back Side	10	19100	1900	50	Low	-0.14	0.184	20.32	20.50	1.042	0.192	/
	State4		Right Edge	10	19100	1900	50	Low	-0.02	0.013	20.32	20.50	1.042	0.014	/
	State4		Top Edge	10	19100	1900	50	Low	0.19	0.321	20.32	20.50	1.042	0.334	/
Ant.0	State4	QPSK	Front Side	10	19100	1900	1	Low	0.19	0.188	20.11	20.50	1.094	0.206	/
	State4		Back Side	10	19100	1900	1	Low	0.04	0.372	20.11	20.50	1.094	0.407	/
	State4		Left Edge	10	19100	1900	1	Low	0.11	0.006	20.11	20.50	1.094	0.007	/
	State4		Right Edge	10	19100	1900	1	Low	-0.04	0.133	20.11	20.50	1.094	0.146	/
	State4		Bottom Edge	10	19100	1900	1	Low	-0.15	0.481	20.11	20.50	1.094	0.526	/
	State4		Front Side	10	19100	1900	50	Low	-0.10	0.122	18.88	19.50	1.153	0.141	/
	State4		Back Side	10	19100	1900	50	Low	0.07	0.247	18.88	19.50	1.153	0.285	/
	State4		Left Edge	10	19100	1900	50	Low	0.13	0.003	18.88	19.50	1.153	0.003	/
	State4		Right Edge	10	19100	1900	50	Low	0.14	0.087	18.88	19.50	1.153	0.100	/
	State4		Bottom Edge	10	19100	1900	50	Low	0.14	0.326	18.88	19.50	1.153	0.376	/

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

10.7LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 1	State1	QPSK	Left Cheek	0	20175	1732.5	1	High	0.11	0.293	18.34	18.50	1.038	0.304	/
	State1		Left Tilt	0	20175	1732.5	1	High	-0.02	0.349	18.34	18.50	1.038	0.362	/
	State1		Right Cheek	0	20175	1732.5	1	High	-0.01	0.382	18.34	18.50	1.038	0.397	/
	State1		Right Tilt	0	20175	1732.5	1	High	0.02	0.508	18.34	18.50	1.038	0.527	22#
	State1		Left Cheek	0	20175	1732.5	50	High	0.03	0.211	17.48	17.50	1.005	0.212	/
	State1		Left Tilt	0	20175	1732.5	50	High	0.00	0.254	17.48	17.50	1.005	0.255	/
	State1		Right Cheek	0	20175	1732.5	50	High	-0.10	0.272	17.48	17.50	1.005	0.273	/
	State1		Right Tilt	0	20175	1732.5	50	High	-0.04	0.347	17.48	17.50	1.005	0.349	/
Ant. 1	State2	QPSK	Left Cheek	0	20175	1732.5	1	High	-0.12	0.227	17.92	18.00	1.019	0.231	/
	State2		Left Tilt	0	20175	1732.5	1	High	0.00	0.272	17.92	18.00	1.019	0.277	/
	State2		Right Cheek	0	20175	1732.5	1	High	-0.01	0.295	17.92	18.00	1.019	0.301	/
	State2		Right Tilt	0	20175	1732.5	1	High	0.06	0.349	17.92	18.00	1.019	0.356	/
	State2		Left Cheek	0	20175	1732.5	50	High	0.00	0.177	16.83	17.00	1.040	0.184	/
	State2		Left Tilt	0	20175	1732.5	50	High	-0.03	0.215	16.83	17.00	1.040	0.224	/
	State2		Right Cheek	0	20175	1732.5	50	High	0.01	0.217	16.83	17.00	1.040	0.226	/
	State2		Right Tilt	0	20175	1732.5	50	High	0.03	0.369	16.83	17.00	1.040	0.384	/
Ant. 0	State1&2	QPSK	Left Cheek	0	20175	1732.5	1	High	-0.04	0.064	22.89	23.50	1.151	0.074	/
	State1&2		Left Tilt	0	20175	1732.5	1	High	-0.13	0.053	22.89	23.50	1.151	0.061	/
	State1&2		Right Cheek	0	20175	1732.5	1	High	-0.01	0.078	22.89	23.50	1.151	0.090	/
	State1&2		Right Tilt	0	20175	1732.5	1	High	-0.03	0.054	22.89	23.50	1.151	0.062	/
	State1&2		Left Cheek	0	20175	1732.5	50	High	-0.02	0.051	21.79	22.50	1.178	0.060	/
	State1&2		Left Tilt	0	20175	1732.5	50	High	0.13	0.011	21.79	22.50	1.178	0.013	/
	State1&2		Right Cheek	0	20175	1732.5	50	High	0.13	0.066	21.79	22.50	1.178	0.078	/
	State1&2		Right Tilt	0	20175	1732.5	50	High	0.02	0.046	21.79	22.50	1.178	0.054	/
Body-worn															
Ant. 1	State3	QPSK	Front Side	15	20175	1732.5	1	Mid	0.04	0.142	20.98	21.00	1.005	0.143	/
	State3		Back Side	15	20175	1732.5	1	Mid	-0.17	0.119	20.98	21.00	1.005	0.120	/
	State3		Front Side	15	20175	1732.5	50	Low	-0.09	0.102	19.82	20.50	1.169	0.119	/
	State3		Back Side	15	20175	1732.5	50	Low	-0.13	0.090	19.82	20.50	1.169	0.105	/
Ant. 0	State3	QPSK	Front Side	15	20175	1732.5	1	High	-0.14	0.088	20.39	21.00	1.151	0.101	/
	State3		Back Side	15	20175	1732.5	1	High	0.02	0.179	20.39	21.00	1.151	0.206	23#
	State3		Front Side	15	20175	1732.5	50	Low	0.05	0.077	19.04	20.00	1.247	0.096	/
	State3		Back Side	15	20175	1732.5	50	Low	0.19	0.140	19.04	20.00	1.247	0.175	/
Hotspot															
Ant. 1	State4	QPSK	Front Side	10	20175	1732.5	1	Low	-0.17	0.155	20.44	20.50	1.014	0.157	/
	State4		Back Side	10	20175	1732.5	1	Low	-0.14	0.151	20.44	20.50	1.014	0.153	/

	State4		Right Edge	10	20175	1732.5	1	Low	0.14	0.044	20.44	20.50	1.014	0.045	/
	State4		Top Edge	10	20175	1732.5	1	Low	0.19	0.253	20.44	20.50	1.014	0.257	/
	State4		Front Side	10	20175	1732.5	50	High	-0.19	0.114	19.12	19.50	1.091	0.124	/
	State4		Back Side	10	20175	1732.5	50	High	-0.13	0.108	19.12	19.50	1.091	0.118	/
	State4		Right Edge	10	20175	1732.5	50	High	-0.12	0.006	19.12	19.50	1.091	0.007	/
	State4		Top Edge	10	20175	1732.5	50	High	0.10	0.250	19.12	19.50	1.091	0.273	/
Ant.0	State4	QPSK	Front Side	10	20175	1732.5	1	High	-0.19	0.190	19.49	20.50	1.262	0.240	/
	State4		Back Side	10	20175	1732.5	1	High	-0.13	0.377	19.49	20.50	1.262	0.476	/
	State4		Left Edge	10	20175	1732.5	1	High	0.13	0.047	19.49	20.50	1.262	0.059	/
	State4		Right Edge	10	20175	1732.5	1	High	-0.19	0.096	19.49	20.50	1.262	0.121	/
	State4		Bottom Edge	10	20175	1732.5	1	High	0.01	0.439	19.49	20.50	1.262	0.554	24#
	State4		Front Side	10	20175	1732.5	50	High	0.16	0.153	18.38	19.50	1.294	0.198	/
	State4		Back Side	10	20175	1732.5	50	High	0.14	0.310	18.38	19.50	1.294	0.401	/
	State4		Left Edge	10	20175	1732.5	50	High	0.04	0.023	18.38	19.50	1.294	0.030	/
	State4		Right Edge	10	20175	1732.5	50	High	-0.07	0.076	18.38	19.50	1.294	0.098	/
	State4		Bottom Edge	10	20175	1732.5	50	High	0.14	0.352	18.38	19.50	1.294	0.455	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.0	State3	QPSK	Bottom Edge	0	20175	1732.5	1	High	-0.08	1.600	20.39	21.00	1.151	1.842	25#
	State3		Bottom Edge	0	20175	1732.5	50	Low	0.07	1.410	19.04	20.00	1.247	1.758	/
Ant.0	State4	QPSK	Bottom Edge	0	20175	1732.5	1	High	0.11	1.380	19.49	20.50	1.262	1.742	/
	State4		Bottom Edge	0	20175	1732.5	50	Low	0.16	1.280	18.38	19.50	1.294	1.656	/

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

10.8LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State1&2	QPSK	Left Cheek	0	20525	836.5	1	High	-0.05	0.449	22.49	23.00	1.125	0.505	/
	State1&2		Left Tilt	0	20525	836.5	1	High	-0.09	0.463	22.49	23.00	1.125	0.521	/
	State1&2		Right Cheek	0	20525	836.5	1	High	-0.05	0.688	22.49	23.00	1.125	0.774	26#
	State1&2		Right Tilt	0	20525	836.5	1	High	-0.18	0.610	22.49	23.00	1.125	0.686	/
	State1&2		Left Cheek	0	20525	836.5	25	Low	-0.01	0.421	21.46	22.00	1.132	0.477	/
	State1&2		Left Tilt	0	20525	836.5	25	Low	0.06	0.371	21.46	22.00	1.132	0.420	/
	State1&2		Right Cheek	0	20525	836.5	25	Low	0.02	0.551	21.46	22.00	1.132	0.624	/
	State1&2		Right Tilt	0	20525	836.5	25	Low	-0.01	0.521	21.46	22.00	1.132	0.590	/
Ant.0	State1&2	QPSK	Left Cheek	0	20525	836.5	1	Mid	0.16	0.108	23.80	24.50	1.175	0.127	/
	State1&2		Left Tilt	0	20525	836.5	1	Mid	0.05	0.054	23.80	24.50	1.175	0.063	/
	State1&2		Right Cheek	0	20525	836.5	1	Mid	0.15	0.126	23.80	24.50	1.175	0.148	/
	State1&2		Right Tilt	0	20525	836.5	1	Mid	0.18	0.062	23.80	24.50	1.175	0.073	/
	State1&2		Left Cheek	0	20525	836.5	25	Mid	0.01	0.130	23.03	23.50	1.114	0.145	/
	State1&2		Left Tilt	0	20525	836.5	25	Mid	0.12	0.045	23.03	23.50	1.114	0.050	/
	State1&2		Right Cheek	0	20525	836.5	25	Mid	0.14	0.105	23.03	23.50	1.114	0.117	/
	State1&2		Right Tilt	0	20525	836.5	25	Mid	-0.07	0.053	23.03	23.50	1.114	0.059	/
Body-worn															
Ant.1	State3	QPSK	Front Side	15	20525	836.5	1	Low	0.19	0.104	24.01	24.50	1.119	0.116	/
	State3		Back Side	15	20525	836.5	1	Low	-0.19	0.115	24.01	24.50	1.119	0.129	/
	State3		Front Side	15	20525	836.5	25	High	-0.14	0.081	23.01	23.50	1.119	0.091	/
	State3		Back Side	15	20525	836.5	25	High	0.05	0.093	23.01	23.50	1.119	0.104	/
Ant.0	State3	QPSK	Front Side	15	20525	836.5	1	Mid	-0.10	0.095	23.80	24.50	1.175	0.112	/
	State3		Back Side	15	20525	836.5	1	Mid	0.03	0.117	23.80	24.50	1.175	0.137	27#
	State3		Front Side	15	20525	836.5	25	Mid	-0.17	0.078	23.03	23.50	1.114	0.087	/
	State3		Back Side	15	20525	836.5	25	Mid	0.14	0.091	23.03	23.50	1.114	0.101	/
Hotspot															
Ant.1	State4	QPSK	Front Side	10	20525	836.5	1	Low	-0.18	0.160	24.01	24.50	1.119	0.179	/
	State4		Back Side	10	20525	836.5	1	Low	0.06	0.233	24.01	24.50	1.119	0.261	/
	State4		Right Edge	10	20525	836.5	1	Low	0.11	0.105	24.01	24.50	1.119	0.117	/
	State4		Top Edge	10	20525	836.5	1	Low	-0.10	0.223	24.01	24.50	1.119	0.250	/
	State4		Front Side	10	20525	836.5	25	High	0.15	0.133	23.01	23.50	1.119	0.149	/
	State4		Back Side	10	20525	836.5	25	High	-0.15	0.184	23.01	23.50	1.119	0.206	/
	State4		Right Edge	10	20525	836.5	25	High	-0.01	0.084	23.01	23.50	1.119	0.094	/
	State4		Top Edge	10	20525	836.5	25	High	0.06	0.177	23.01	23.50	1.119	0.198	/
Ant.0	State4	QPSK	Front Side	10	20525	836.5	1	Mid	-0.19	0.287	23.34	24.00	1.164	0.334	/
	State4		Back Side	10	20525	836.5	1	Mid	0.03	0.142	23.34	24.00	1.164	0.165	/

State4	Left Edge	10	20525	836.5	1	Mid	0.17	0.267	23.34	24.00	1.164	0.311	/
State4	Right Edge	10	20525	836.5	1	Mid	0.03	0.209	23.34	24.00	1.164	0.243	/
State4	Bottom Edge	10	20525	836.5	1	Mid	-0.18	0.318	23.34	24.00	1.164	0.370	28#
State4	Front Side	10	20525	836.5	25	Mid	-0.16	0.239	22.57	23.00	1.104	0.264	/
State4	Back Side	10	20525	836.5	25	Mid	0.14	0.284	22.57	23.00	1.104	0.314	/
State4	Left Edge	10	20525	836.5	25	Mid	-0.11	0.216	22.57	23.00	1.104	0.238	/
State4	Right Edge	10	20525	836.5	25	Mid	-0.14	0.176	22.57	23.00	1.104	0.194	/
State4	Bottom Edge	10	20450	829	25	Mid	-0.09	0.254	22.57	23.00	1.104	0.280	/

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

10.9LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State1&2	QPSK	Left Cheek	0	21100	2535	1	Low	-0.15	0.204	17.32	17.50	1.042	0.213	/
	State1&2		Left Tilt	0	21100	2535	1	Low	0.10	0.282	17.32	17.50	1.042	0.294	/
	State1&2		Right Cheek	0	21100	2535	1	Low	-0.07	0.508	17.32	17.50	1.042	0.529	/
	State1&2		Right Tilt	0	21100	2535	1	Low	-0.13	0.636	17.32	17.50	1.042	0.663	29#
	State1&2		Left Cheek	0	21100	2535	50	Low	0.01	0.152	16.07	16.50	1.104	0.168	/
	State1&2		Left Tilt	0	21100	2535	50	Low	-0.05	0.219	16.07	16.50	1.104	0.242	/
	State1&2		Right Cheek	0	21100	2535	50	Low	0.10	0.378	16.07	16.50	1.104	0.417	/
	State1&2		Right Tilt	0	21100	2535	50	Low	0.17	0.490	16.07	16.50	1.104	0.541	/
Ant.0	State1&2	QPSK	Left Cheek	0	21100	2535	1	Low	0.19	0.199	23.03	23.50	1.114	0.222	/
	State1&2		Left Tilt	0	21100	2535	1	Low	0.19	0.157	23.03	23.50	1.114	0.175	/
	State1&2		Right Cheek	0	21100	2535	1	Low	0.15	0.104	23.03	23.50	1.114	0.116	/
	State1&2		Right Tilt	0	21100	2535	1	Low	-0.09	0.087	23.03	23.50	1.114	0.097	/
	State1&2		Left Cheek	0	21100	2535	50	Low	0.19	0.173	21.81	22.50	1.172	0.203	/
	State1&2		Left Tilt	0	21100	2535	50	Low	0.10	0.129	21.81	22.50	1.172	0.151	/
	State1&2		Right Cheek	0	21100	2535	50	Low	0.03	0.082	21.81	22.50	1.172	0.096	/
	State1&2		Right Tilt	0	21100	2535	50	Low	0.17	0.074	21.81	22.50	1.172	0.087	/
Body-worn															
Ant.1	State3	QPSK	Front Side	15	21100	2535	1	Low	0.18	0.078	19.68	20.00	1.076	0.084	/
	State3		Back Side	15	21100	2535	1	Low	0.11	0.159	19.68	20.00	1.076	0.171	30#
	State3		Front Side	15	21100	2535	50	Low	-0.16	0.064	19.00	19.00	1.000	0.064	/
	State3		Back Side	15	21100	2535	50	Low	0.19	0.127	19.00	19.00	1.000	0.127	/
Ant.0	State3	QPSK	Front Side	15	21100	2535	1	Mid	-0.02	0.080	19.23	20.50	1.340	0.107	/
	State3		Back Side	15	21100	2535	1	Mid	0.17	0.125	19.23	20.50	1.340	0.168	/
	State3		Front Side	15	21100	2535	50	Mid	0.02	0.064	18.75	19.50	1.189	0.076	/
	State3		Back Side	15	21100	2535	50	Mid	-0.15	0.091	18.75	19.50	1.189	0.108	/
Hotspot															
Ant.1	State4	QPSK	Front Side	10	21100	2535	1	Low	-0.15	0.166	19.68	20.00	1.076	0.179	/
	State4		Back Side	10	21100	2535	1	Low	0.08	0.354	19.68	20.00	1.076	0.381	/
	State4		Right Edge	10	21100	2535	1	Low	-0.07	0.231	19.68	20.00	1.076	0.249	/
	State4		Top Edge	10	21100	2535	1	Low	0.16	0.382	19.68	20.00	1.076	0.411	31#
	State4		Front Side	10	21100	2535	50	Low	0.11	0.138	19.00	19.00	1.000	0.138	/
	State4		Back Side	10	21100	2535	50	Low	0.15	0.278	19.00	19.00	1.000	0.278	/
	State4		Right Edge	10	21100	2535	50	Low	-0.18	0.196	19.00	19.00	1.000	0.196	/
	State4		Top Edge	10	21100	2535	50	Low	0.06	0.365	19.00	19.00	1.000	0.365	/
Ant.0	State4	QPSK	Front Side	10	21100	2535	1	Mid	0.16	0.166	19.23	20.50	1.340	0.222	/
	State4		Back Side	10	21100	2535	1	Mid	-0.07	0.239	19.23	20.50	1.340	0.320	/

State4	Left Edge	10	21100	2535	1	Mid	-0.02	0.044	19.23	20.50	1.340	0.059	/
State4	Right Edge	10	21100	2535	1	Mid	0.02	0.170	19.23	20.50	1.340	0.228	
State4	Bottom Edge	10	21100	2535	1	Mid	-0.12	0.252	19.23	20.50	1.340	0.338	/
State4	Front Side	10	21100	2535	50	Mid	0.10	0.135	18.75	19.50	1.189	0.161	/
State4	Back Side	10	21100	2535	50	Mid	0.19	0.194	18.75	19.50	1.189	0.231	/
State4	Left Edge	10	21100	2535	50	Mid	-0.07	0.006	18.75	19.50	1.189	0.007	/
State4	Right Edge	10	21100	2535	50	Mid	-0.11	0.162	18.75	19.50	1.189	0.193	
State4	Bottom Edge	10	21100	2535	50	Mid	-0.09	0.205	18.75	19.50	1.189	0.244	/

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

10.10 LTE Band 13 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State1&2	QPSK	Left Cheek	0	23230	782	1	Low	0.19	0.375	23.83	24.50	1.167	0.438	/
	State1&2		Left Tilt	0	23230	782	1	Low	0.05	0.357	23.83	24.50	1.167	0.417	/
	State1&2		Right Cheek	0	23230	782	1	Low	-0.05	0.487	23.83	24.50	1.167	0.568	32#
	State1&2		Right Tilt	0	23230	782	1	Low	-0.16	0.481	23.83	24.50	1.167	0.561	/
	State1&2		Left Cheek	0	23230	782	25	High	0.11	0.308	22.93	23.50	1.140	0.351	/
	State1&2		Left Tilt	0	23230	782	25	High	-0.16	0.298	22.93	23.50	1.140	0.340	/
	State1&2		Right Cheek	0	23230	782	25	High	0.11	0.419	22.93	23.50	1.140	0.478	/
	State1&2		Right Tilt	0	23230	782	25	High	0.00	0.408	22.93	23.50	1.140	0.465	/
Ant.0	State1&2	QPSK	Left Cheek	0	23230	782	1	High	0.01	0.073	23.76	24.50	1.186	0.087	/
	State1&2		Left Tilt	0	23230	782	1	High	0.01	0.011	23.76	24.50	1.186	0.013	/
	State1&2		Right Cheek	0	23230	782	1	High	0.14	0.066	23.76	24.50	1.186	0.078	/
	State1&2		Right Tilt	0	23230	782	1	High	0.15	0.043	23.76	24.50	1.186	0.051	/
	State1&2		Left Cheek	0	23230	782	25	High	-0.18	0.064	22.78	23.50	1.180	0.076	/
	State1&2		Left Tilt	0	23230	782	25	High	-0.02	0.009	22.78	23.50	1.180	0.011	/
	State1&2		Right Cheek	0	23230	782	25	High	0.19	0.051	22.78	23.50	1.180	0.060	/
	State1&2		Right Tilt	0	23230	782	25	High	-0.08	0.005	22.78	23.50	1.180	0.006	/
Body-worn															
Ant.1	State3	QPSK	Front Side	15	23230	782	1	Low	-0.06	0.081	23.83	24.50	1.167	0.095	/
	State3		Back Side	15	23230	782	1	Low	0.07	0.095	23.83	24.50	1.167	0.111	/
	State3		Front Side	15	23230	782	25	High	-0.19	0.072	22.93	23.50	1.140	0.082	/
	State3		Back Side	15	23230	782	25	High	-0.11	0.084	22.93	23.50	1.140	0.096	/
Ant.0	State3	QPSK	Front Side	15	23230	782	1	High	-0.03	0.087	23.76	24.50	1.186	0.103	/
	State3		Back Side	15	23230	782	1	High	-0.04	0.102	23.76	24.50	1.186	0.121	33#
	State3		Front Side	15	23230	782	25	High	-0.04	0.073	22.78	23.50	1.180	0.086	/
	State3		Back Side	15	23230	782	25	High	-0.10	0.088	22.78	23.50	1.180	0.104	/
Hotspot															
Ant.1	State4	QPSK	Front Side	10	23230	782	1	Low	0.15	0.089	23.83	24.50	1.167	0.104	/
	State4		Back Side	10	23230	782	1	Low	0.14	0.122	23.83	24.50	1.167	0.142	/
	State4		Right Edge	10	23230	782	1	Low	0.15	0.085	23.83	24.50	1.167	0.099	/
	State4		Top Edge	10	23230	782	1	Low	0.00	0.128	23.83	24.50	1.167	0.149	/
	State4		Front Side	10	23230	782	25	High	-0.04	0.073	22.93	23.50	1.140	0.083	/
	State4		Back Side	10	23230	782	25	High	0.19	0.100	22.93	23.50	1.140	0.114	/
	State4		Right Edge	10	23230	782	25	High	-0.11	0.075	22.93	23.50	1.140	0.086	/
	State4		Top Edge	10	23230	782	25	High	-0.06	0.103	22.93	23.50	1.140	0.117	/
Ant.0	State4	QPSK	Front Side	10	23230	782	1	High	0.01	0.101	23.09	24.00	1.233	0.125	/
	State4		Back Side	10	23230	782	1	High	-0.01	0.141	23.09	24.00	1.233	0.174	34#

State4	Left Edge	10	23230	782	1	High	0.00	0.111	23.09	24.00	1.233	0.137	/
State4	Right Edge	10	23230	782	1	High	0.03	0.099	23.09	24.00	1.233	0.122	/
State4	Bottom Edge	10	23230	782	1	High	0.12	0.117	23.09	24.00	1.233	0.144	/
State4	Front Side	10	23230	782	25	High	0.11	0.079	22.16	23.00	1.213	0.096	/
State4	Back Side	10	23230	782	25	High	-0.15	0.129	22.16	23.00	1.213	0.156	/
State4	Left Edge	10	23230	782	25	High	0.17	0.095	22.16	23.00	1.213	0.115	/
State4	Right Edge	10	23230	782	25	High	-0.14	0.083	22.16	23.00	1.213	0.101	/
State4	Bottom Edge	10	23230	782	25	High	0.08	0.077	22.16	23.00	1.213	0.093	/

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

10.11 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant. 1	State1&2	QPSK	Left Cheek	0	132322	1745	1	High	-0.06	0.230	17.11	18.00	1.227	0.282	/
	State1&2		Left Tilt	0	132322	1745	1	High	0.02	0.277	17.11	18.00	1.227	0.340	/
	State1&2		Right Cheek	0	132322	1745	1	High	0.02	0.296	17.11	18.00	1.227	0.363	/
	State1&2		Right Tilt	0	132322	1745	1	High	-0.02	0.361	17.11	18.00	1.227	0.443	35#
	State1&2		Left Cheek	0	132322	1745	50	High	0.17	0.187	15.87	17.00	1.297	0.243	/
	State1&2		Left Tilt	0	132322	1745	50	High	0.05	0.228	15.87	17.00	1.297	0.296	/
	State1&2		Right Cheek	0	132322	1745	50	High	-0.18	0.246	15.87	17.00	1.297	0.319	/
	State1&2		Right Tilt	0	132322	1745	50	High	-0.18	0.291	15.87	17.00	1.297	0.377	/
Ant. 0	State1&2	QPSK	Left Cheek	0	132322	1745	1	Mid	-0.07	0.073	23.91	24.00	1.021	0.075	/
	State1&2		Left Tilt	0	132322	1745	1	Mid	0.06	0.057	23.91	24.00	1.021	0.058	/
	State1&2		Right Cheek	0	132322	1745	1	Mid	0.06	0.090	23.91	24.00	1.021	0.092	/
	State1&2		Right Tilt	0	132322	1745	1	Mid	0.07	0.067	23.91	24.00	1.021	0.068	/
	State1&2		Left Cheek	0	132322	1745	50	Mid	0.06	0.061	22.78	23.00	1.052	0.064	/
	State1&2		Left Tilt	0	132322	1745	50	Mid	-0.11	0.048	22.78	23.00	1.052	0.050	/
	State1&2		Right Cheek	0	132322	1745	50	Mid	-0.13	0.075	22.78	23.00	1.052	0.079	/
	State1&2		Right Tilt	0	132322	1745	50	Mid	-0.07	0.063	22.78	23.00	1.052	0.066	/
Body-worn															
Ant. 1	State3	QPSK	Front Side	15	132322	1745	1	High	-0.08	0.150	21.37	21.50	1.030	0.155	/
	State3		Back Side	15	132322	1745	1	High	0.10	0.135	21.37	21.50	1.030	0.139	/
	State3		Front Side	15	132322	1745	50	High	0.06	0.118	20.36	20.50	1.033	0.122	/
	State3		Back Side	15	132322	1745	50	High	-0.14	0.112	20.36	20.50	1.033	0.116	/
Ant. 0	State3	QPSK	Front Side	15	132322	1745	1	High	0.15	0.100	21.34	21.50	1.038	0.104	/
	State3		Back Side	15	132322	1745	1	High	0.02	0.175	21.34	21.50	1.038	0.182	36#
	State3		Front Side	15	132322	1745	50	High	0.08	0.084	19.30	20.50	1.318	0.111	/
	State3		Back Side	15	132322	1745	50	High	0.11	0.132	19.30	20.50	1.318	0.174	/
Hotspot															
Ant. 1	State4	QPSK	Front Side	10	132322	1745	1	High	0.13	0.216	20.38	20.50	1.028	0.222	/
	State4		Back Side	10	132322	1745	1	High	-0.15	0.205	20.38	20.50	1.028	0.211	/
	State4		Right Edge	10	132322	1745	1	High	-0.11	0.032	20.38	20.50	1.028	0.033	/
	State4		Top Edge	10	132322	1745	1	High	-0.13	0.323	20.38	20.50	1.028	0.332	/
	State4		Front Side	10	132322	1745	50	High	0.09	0.174	18.32	19.50	1.312	0.228	/
	State4		Back Side	10	132322	1745	50	High	0.15	0.170	18.32	19.50	1.312	0.223	/
	State4		Right Edge	10	132322	1745	50	High	0.04	0.008	18.32	19.50	1.312	0.010	/
	State4		Top Edge	10	132322	1745	50	High	0.06	0.264	18.32	19.50	1.312	0.346	/
Ant. 0	State4	QPSK	Front Side	10	132322	1745	1	High	-0.07	0.191	20.32	21.00	1.169	0.223	/
	State4		Back Side	10	132322	1745	1	High	0.08	0.378	20.32	21.00	1.169	0.442	/

	State4		Left Edge	10	132322	1745	1	High	0.02	0.048	20.32	21.00	1.169	0.056	/
	State4		Right Edge	10	132322	1745	1	High	-0.06	0.100	20.32	21.00	1.169	0.117	/
	State4		Bottom Edge	10	132322	1745	1	High	0.02	0.421	20.32	21.00	1.169	0.492	37#
	State4		Front Side	10	132322	1745	50	High	-0.09	0.154	18.74	20.00	1.337	0.206	/
	State4		Back Side	10	132322	1745	50	High	-0.16	0.293	18.74	20.00	1.337	0.392	/
	State4		Left Edge	10	132322	1745	50	High	-0.03	0.025	18.74	20.00	1.337	0.033	/
	State4		Right Edge	10	132322	1745	50	High	-0.09	0.076	18.74	20.00	1.337	0.102	/
	State4		Bottom Edge	10	132322	1745	50	High	-0.02	0.365	18.74	20.00	1.337	0.488	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.0	State3	QPSK	Bottom Edge	0	132322	1745	1	High	-0.04	1.600	21.34	21.50	1.038	1.661	38#
	State3		Bottom Edge	0	132322	1745	50	High	0.03	1.180	19.30	20.50	1.318	1.555	/
Ant.0	State4	QPSK	Bottom Edge	0	132322	1745	1	High	0.16	1.310	20.32	21.00	1.169	1.531	/
	State4		Bottom Edge	0	132322	1745	50	High	0.03	1.010	18.74	20.00	1.337	1.350	/

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

10.12 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State1&2	QPSK	Left Cheek	0	38000	2595	1	High	-0.02	0.230	19.41	20.00	1.146	0.264	/
	State1&2		Left Tilt	0	38000	2595	1	High	0.10	0.327	19.41	20.00	1.146	0.375	/
	State1&2		Right Cheek	0	38000	2595	1	High	-0.09	0.637	19.41	20.00	1.146	0.730	/
	State1&2		Right Tilt	0	38000	2595	1	High	-0.07	0.845	19.41	20.00	1.146	0.968	39#
	State1&2		Left Cheek	0	38000	2595	50	High	-0.07	0.164	18.20	19.00	1.202	0.197	/
	State1&2		Left Tilt	0	38000	2595	50	High	0.16	0.242	18.20	19.00	1.202	0.291	/
	State1&2		Right Cheek	0	38000	2595	50	High	0.16	0.459	18.20	19.00	1.202	0.552	/
	State1&2		Right Tilt	0	38000	2595	50	High	-0.14	0.608	18.20	19.00	1.202	0.731	/
	State1&2		Right Tilt	0	37850	2580	1	High	0.08	0.645	18.37	20.00	1.455	0.938	/
	State1&2		Right Tilt	0	38150	2610	1	Low	-0.11	0.785	19.13	20.00	1.222	0.959	/
	State1&2		Right Tilt	0	38000	2595	100	Low	0.09	0.652	17.89	19.00	1.291	0.842	/
Ant.0	State1&2	QPSK	Left Cheek	0	38000	2595	1	High	0.14	0.140	23.33	24.00	1.167	0.163	/
	State1&2		Left Tilt	0	38000	2595	1	High	0.01	0.076	23.33	24.00	1.167	0.089	/
	State1&2		Right Cheek	0	38000	2595	1	High	-0.04	0.060	23.33	24.00	1.167	0.070	/
	State1&2		Right Tilt	0	38000	2595	1	High	-0.12	0.046	23.33	24.00	1.167	0.054	/
	State1&2		Left Cheek	0	38000	2595	50	High	0.11	0.112	22.30	23.00	1.175	0.132	/
	State1&2		Left Tilt	0	38000	2595	50	High	0.03	0.060	22.30	23.00	1.175	0.071	/
	State1&2		Right Cheek	0	38000	2595	50	High	0.17	0.048	22.30	23.00	1.175	0.056	/
	State1&2		Right Tilt	0	38000	2595	50	High	-0.17	0.026	22.30	23.00	1.175	0.031	/
Body-worn															
Ant.1	State3	QPSK	Front Side	15	38000	2595	1	Mid	-0.14	0.122	22.31	23.00	1.172	0.143	/
	State3		Back Side	15	38000	2595	1	Mid	0.07	0.276	22.31	23.00	1.172	0.323	40#
	State3		Front Side	15	38000	2595	50	High	0.14	0.099	21.02	22.00	1.253	0.124	/
	State3		Back Side	15	38000	2595	50	High	0.00	0.228	21.02	22.00	1.253	0.286	/
Ant.0	State3	QPSK	Front Side	15	38000	2595	1	High	-0.19	0.072	22.30	23.00	1.175	0.085	/
	State3		Back Side	15	38000	2595	1	High	-0.07	0.094	22.30	23.00	1.175	0.110	/
	State3		Front Side	15	38000	2595	50	High	-0.09	0.059	21.30	22.00	1.175	0.069	/
	State3		Back Side	15	38000	2595	50	High	0.18	0.078	21.30	22.00	1.175	0.092	/
Hotspot															
Ant.1	State4	QPSK	Front Side	10	38000	2595	1	Mid	-0.19	0.183	22.31	23.00	1.172	0.214	/
	State4		Back Side	10	38000	2595	1	Mid	0.15	0.484	22.31	23.00	1.172	0.567	/
	State4		Right Edge	10	38000	2595	1	Mid	-0.13	0.265	22.31	23.00	1.172	0.311	/
	State4		Top Edge	10	38000	2595	1	Mid	0.05	0.666	22.31	23.00	1.172	0.781	41#
	State4		Front Side	10	38000	2595	50	High	0.01	0.155	21.02	22.00	1.253	0.194	/
	State4		Back Side	10	38000	2595	50	High	-0.08	0.414	21.02	22.00	1.253	0.519	/
	State4		Right Edge	10	38000	2595	50	High	0.06	0.257	21.02	22.00	1.253	0.322	/

	State4		Top Edge	10	38000	2595	50	High	-0.12	0.535	21.02	22.00	1.253	0.670	/
Ant.0	State4	QPSK	Front Side	10	38000	2595	1	High	-0.05	0.147	21.48	22.50	1.265	0.186	/
	State4		Back Side	10	38000	2595	1	High	-0.05	0.230	21.48	22.50	1.265	0.291	/
	State4		Left Edge	10	38000	2595	1	High	-0.07	0.042	21.48	22.50	1.265	0.053	/
	State4		Right Edge	10	38000	2595	1	High	-0.10	0.153	21.48	22.50	1.265	0.194	/
	State4		Bottom Edge	10	38000	2595	1	High	-0.03	0.214	21.48	22.50	1.265	0.271	/
	State4		Front Side	10	38000	2595	50	Mid	-0.15	0.119	20.46	21.50	1.271	0.151	/
	State4		Back Side	10	38000	2595	50	Mid	0.14	0.173	20.46	21.50	1.271	0.220	/
	State4		Left Edge	10	38000	2595	50	Mid	0.08	0.121	20.46	21.50	1.271	0.154	/
	State4		Right Edge	10	38000	2595	50	Mid	0.17	0.135	20.46	21.50	1.271	0.172	/
	State4		Bottom Edge	10	38000	2595	50	Mid	-0.18	0.173	20.46	21.50	1.271	0.220	/

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

10.13 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State1&2	QPSK	Left Cheek	0	40765	2607.5	1	Low	-0.04	0.223	19.84	20.00	1.038	0.231	/
	State1&2		Left Tilt	0	40765	2607.5	1	Low	0.19	0.303	19.84	20.00	1.038	0.315	/
	State1&2		Right Cheek	0	40765	2607.5	1	Low	0.11	0.576	19.84	20.00	1.038	0.598	/
	State1&2		Right Tilt	0	40765	2607.5	1	Low	-0.13	0.761	19.84	20.00	1.038	0.790	42#
	State1&2		Left Cheek	0	40765	2607.5	50	Mid	0.04	0.176	18.15	19.00	1.216	0.214	/
	State1&2		Left Tilt	0	40765	2607.5	50	Mid	-0.04	0.230	18.15	19.00	1.216	0.280	/
	State1&2		Right Cheek	0	40765	2607.5	50	Mid	0.08	0.455	18.15	19.00	1.216	0.553	/
	State1&2		Right Tilt	0	40765	2607.5	50	Mid	0.12	0.578	18.15	19.00	1.216	0.703	/
Ant.0	State1&2	QPSK	Left Cheek	0	40765	2607.5	1	High	0.17	0.146	23.36	24.00	1.159	0.169	/
	State1&2		Left Tilt	0	40765	2607.5	1	High	-0.05	0.074	23.36	24.00	1.159	0.086	/
	State1&2		Right Cheek	0	40765	2607.5	1	High	0.17	0.058	23.36	24.00	1.159	0.067	/
	State1&2		Right Tilt	0	40765	2607.5	1	High	-0.12	0.057	23.36	24.00	1.159	0.066	/
	State1&2		Left Cheek	0	40765	2607.5	50	Low	-0.07	0.112	22.31	23.00	1.172	0.131	/
	State1&2		Left Tilt	0	40765	2607.5	50	Low	-0.02	0.060	22.31	23.00	1.172	0.070	/
	State1&2		Right Cheek	0	40765	2607.5	50	Low	-0.13	0.051	22.31	23.00	1.172	0.060	/
	State1&2		Right Tilt	0	40765	2607.5	50	Low	-0.07	0.044	22.31	23.00	1.172	0.052	/
Body-worn															
Ant.1	State3	QPSK	Front Side	15	40765	2607.5	1	High	-0.10	0.113	22.16	23.00	1.213	0.137	/
	State3		Back Side	15	40765	2607.5	1	High	0.03	0.278	22.16	23.00	1.213	0.337	43#
	State3		Front Side	15	40765	2607.5	50	Mid	-0.07	0.088	21.00	22.00	1.259	0.111	/
	State3		Back Side	15	40765	2607.5	50	Mid	0.14	0.223	21.00	22.00	1.259	0.281	/
Ant.0	State3	QPSK	Front Side	15	40765	2607.5	1	Low	-0.14	0.072	22.43	23.00	1.140	0.082	/
	State3		Back Side	15	40765	2607.5	1	Low	0.09	0.094	22.43	23.00	1.140	0.107	/
	State3		Front Side	15	40765	2607.5	50	High	-0.09	0.060	21.23	22.00	1.194	0.072	/
	State3		Back Side	15	40765	2607.5	50	High	-0.14	0.079	21.23	22.00	1.194	0.094	/
Hotspot															
Ant.1	State4	QPSK	Front Side	10	40765	2607.5	1	High	0.03	0.174	22.16	23.00	1.213	0.211	/
	State4		Back Side	10	40765	2607.5	1	High	0.17	0.446	22.16	23.00	1.213	0.541	/
	State4		Right Edge	10	40765	2607.5	1	High	0.17	0.269	22.16	23.00	1.213	0.326	/
	State4		Top Edge	10	40765	2607.5	1	High	0.06	0.555	22.16	23.00	1.213	0.673	44#
	State4		Front Side	10	40765	2607.5	50	Mid	-0.03	0.112	21.00	22.00	1.259	0.141	/
	State4		Back Side	10	40765	2607.5	50	Mid	0.16	0.300	21.00	22.00	1.259	0.378	/
	State4		Right Edge	10	40765	2607.5	50	Mid	0.19	0.181	21.00	22.00	1.259	0.228	/
	State4		Top Edge	10	40765	2607.5	50	Mid	0.07	0.359	21.00	22.00	1.259	0.452	/
Ant.0	State4	QPSK	Front Side	10	40765	2607.5	1	High	-0.16	0.156	21.68	22.50	1.208	0.188	/
	State4		Back Side	10	40765	2607.5	1	High	-0.15	0.210	21.68	22.50	1.208	0.254	/

State4	Left Edge	10	40765	2607.5	1	High	-0.14	0.032	21.68	22.50	1.208	0.039	/
State4	Right Edge	10	40765	2607.5	1	High	-0.04	0.160	21.68	22.50	1.208	0.193	/
State4	Bottom Edge	10	40765	2607.5	1	High	-0.06	0.203	21.68	22.50	1.208	0.245	/
State4	Front Side	10	40765	2607.5	50	High	-0.11	0.120	20.57	21.50	1.239	0.149	/
State4	Back Side	10	40765	2607.5	50	High	0.08	0.177	20.57	21.50	1.239	0.219	/
State4	Left Edge	10	40765	2607.5	50	High	-0.03	0.018	20.57	21.50	1.239	0.022	/
State4	Right Edge	10	40765	2607.5	50	High	0.05	0.122	20.57	21.50	1.239	0.151	/
State4	Bottom Edge	10	40765	2607.5	50	High	0.03	0.167	20.57	21.50	1.239	0.207	/

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

10.14 WIFI 2.4GHZ

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.2	Level1	802.11 b	Left Cheek	0	2	2417	-0.19	0.154	14.92	16.00	1.282	99.70	1.003	0.198	/
	Level1		Left Tilt	0	2	2417	-0.11	0.116	14.92	16.00	1.282	99.70	1.003	0.149	/
	Level1		Right Cheek	0	2	2417	0.14	0.065	14.92	16.00	1.282	99.70	1.003	0.084	/
	Level1		Right Tilt	0	2	2417	0.11	0.062	14.92	16.00	1.282	99.70	1.003	0.080	/
	Level1	802.11 g	Left Cheek	0	2	2417	-0.01	0.353	17.27	18.00	1.183	88.40	1.131	0.472	45#
	Level1		Left Tilt	0	2	2417	-0.08	0.232	17.27	18.00	1.183	88.40	1.131	0.310	/
	Level1		Right Cheek	0	2	2417	-0.06	0.163	17.27	18.00	1.183	88.40	1.131	0.218	/
	Level1		Right Tilt	0	2	2417	-0.15	0.141	17.27	18.00	1.183	88.40	1.131	0.189	/
	Level2	802.11 b	Left Cheek	0	2	2417	-0.05	0.083	13.94	14.00	1.014	99.70	1.003	0.084	/
	Level2		Left Tilt	0	2	2417	-0.14	0.071	13.94	14.00	1.014	99.70	1.003	0.072	/
	Level2		Right Cheek	0	2	2417	-0.01	0.035	13.94	14.00	1.014	99.70	1.003	0.036	/
	Level2		Right Tilt	0	2	2417	0.17	0.028	13.94	14.00	1.014	99.70	1.003	0.028	/
Body-worn															
Ant.2	Leve3	802.11 b	Front Side	15	2	2417	-0.06	0.045	14.92	16.00	1.282	99.70	1.003	0.058	/
	Leve3		Back Side	15	2	2417	-0.06	0.068	14.92	16.00	1.282	99.70	1.003	0.087	/
	Leve3	802.11 g	Front Side	15	2	2417	0.15	0.063	17.27	19.00	1.489	88.40	1.131	0.106	/
	Leve3		Back Side	15	2	2417	-0.02	0.077	17.27	19.00	1.489	88.40	1.131	0.130	46#
Hotspot															
Ant.2	Leve4	802.11 b	Front Side	10	2	2417	0.01	0.085	14.92	16.00	1.282	99.70	1.003	0.109	/
	Leve4		Back Side	10	2	2417	0.00	0.124	14.92	16.00	1.282	99.70	1.003	0.159	47#
	Leve4		Left Edge	10	2	2417	0.09	0.097	14.92	16.00	1.282	99.70	1.003	0.125	/
	Leve4		Top Edge	10	2	2417	0.03	0.082	14.92	16.00	1.282	99.70	1.003	0.105	/
Ant.2	Leve4	802.11 g	Front Side	10	2	2417	-0.19	0.061	16.91	17.00	1.021	88.40	1.131	0.070	/
	Leve4		Back Side	10	2	2417	0.02	0.085	16.91	17.00	1.021	88.40	1.131	0.098	/
	Leve4		Left Edge	10	2	2417	0.10	0.071	16.91	17.00	1.021	88.40	1.131	0.082	/
	Leve4		Top Edge	10	2	2417	0.00	0.052	16.91	17.00	1.021	88.40	1.131	0.060	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.15 WIFI 5GHZ

Antenna	Band	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.		
Head																		
Ant.2	5.3G	Level1	802.11n (HT40)	Left Cheek	0	54	5270	0.16	0.688	17.44	17.50	1.014	69.30	1.443	1.007	/		
		Level1		Left Tilt	0	54	5270	0.04	0.718	17.44	17.50	1.014	69.30	1.443	1.051	48#		
		Level1		Right Cheek	0	54	5270	-0.16	0.455	17.44	17.50	1.014	69.30	1.443	0.666	/		
		Level1		Right Tilt	0	54	5270	-0.13	0.559	17.44	17.50	1.014	69.30	1.443	0.818	/		
		Level1		Left Cheek	0	62	5310	0.08	0.135	8.57	9.50	1.239	69.30	1.443	0.241	/		
		Level1		Left Tilt	0	62	5310	0.13	0.152	8.57	9.50	1.239	69.30	1.443	0.272	/		
		Level1		Right Cheek	0	62	5310	-0.02	0.114	8.57	9.50	1.239	69.30	1.443	0.204	/		
		Level2		802.11n (HT40)	Left Cheek	0	54	5270	-0.08	0.288	12.74	13.50	1.191	69.30	1.443	0.495	/	
		Level2	Left Tilt		0	54	5270	-0.16	0.302	12.74	13.50	1.191	69.30	1.443	0.519	/		
		Level2	Right Cheek		0	54	5270	0.01	0.189	12.74	13.50	1.191	69.30	1.443	0.325	/		
		Level2	Right Tilt		0	54	5270	0.05	0.212	12.74	13.50	1.191	69.30	1.443	0.364	/		
		Ant.2	5.6G	Leve1	802.11ac (VHT80)	Left Cheek	0	122	5610	-0.14	0.477	18.21	18.50	1.069	53.61	1.865	0.951	/
				Leve1		Left Tilt	0	122	5610	0.05	0.512	18.21	18.50	1.069	53.61	1.865	1.021	49#
				Leve1		Right Cheek	0	122	5610	-0.11	0.318	18.21	18.50	1.069	53.61	1.865	0.634	/
Leve1	Right Tilt			0		122	5610	-0.15	0.315	18.21	18.50	1.069	53.61	1.865	0.628	/		
Leve1	802.11ac (VHT80)			Left Cheek	0	106	5530	0.08	0.125	12.62	13.50	1.225	53.61	1.865	0.286	/		
Leve1				Left Tilt	0	106	5530	0.07	0.133	12.62	13.50	1.225	53.61	1.865	0.304	/		
Leve2				Left Cheek	0	122	5610	-0.19	0.183	14.34	14.50	1.038	53.61	1.865	0.354	/		
Leve2				Left Tilt	0	122	5610	0.18	0.211	14.34	14.50	1.038	53.61	1.865	0.408	/		
Leve2				Right Cheek	0	122	5610	0.00	0.125	14.34	14.50	1.038	53.61	1.865	0.242	/		
Leve2				Right Tilt	0	122	5610	0.04	0.123	14.34	14.50	1.038	53.61	1.865	0.238	/		
Ant.2	5.8G	Level1	802.11n (HT40)	Left Cheek	0	159	5795	0.01	0.605	17.69	18.50	1.205	69.30	1.443	1.052	/		
		Level1		Left Tilt	0	159	5795	0.00	0.672	17.69	18.50	1.205	69.30	1.443	1.168	50#		
		Level1		Right Cheek	0	159	5795	-0.02	0.312	17.69	18.50	1.205	69.30	1.443	0.543	/		
		Level1		Right Tilt	0	159	5795	-0.04	0.368	17.69	18.50	1.205	69.30	1.443	0.640	/		
		Level1	802.11n (HT40)	Left Cheek	0	151	5745	0.09	0.062	8.25	8.50	1.059	69.30	1.443	0.095	/		
		Level1		Left Tilt	0	151	5745	-0.06	0.068	8.25	8.50	1.059	69.30	1.443	0.104	/		
		Leve2		Left Cheek	0	159	5795	0.08	0.245	13.59	14.50	1.233	69.30	1.443	0.436	/		
		Leve2		Left Tilt	0	159	5795	0.07	0.251	13.59	14.50	1.233	69.30	1.443	0.447	/		
		Leve2		Right Cheek	0	159	5795	0.00	0.128	13.59	14.50	1.233	69.30	1.443	0.228	/		
		Leve2		Right Tilt	0	159	5795	-0.17	0.153	13.59	14.50	1.233	69.30	1.443	0.272	/		
Body-worn																		
Ant.2	5.3G	Leve3	802.11n	Front Side	15	54	5270	0.18	0.151	17.44	17.50	1.014	69.30	1.443	0.221	/		
		Leve3	(HT40)	Back Side	15	54	5270	0.12	0.331	17.44	17.50	1.014	69.30	1.443	0.484	51#		
Ant.2	5.6G	Leve3	802.11ac	Front Side	15	122	5610	0.16	0.134	18.21	18.50	1.069	53.61	1.865	0.267	/		
		Leve3	(VHT80)	Back Side	15	122	5610	0.02	0.328	18.21	18.50	1.069	53.61	1.865	0.654	52#		

Antenna	Band	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle(%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.	
Ant.2	5.8G	Leve3	802.11n (HT40)	Front Side	15	159	5795	0.11	0.312	17.69	18.50	1.205	69.30	1.443	0.543	/	
		Leve3		Back Side	15	159	5795	0.02	0.471	17.69	18.50	1.205	69.30	1.443	0.819	53#	
		Leve3		Back Side	15	151	5745	0.08	0.055	8.25	8.50	1.059	69.30	1.443	0.084	/	
Hotspot																	
Ant.2	5.2G	Leve4	802.11n (HT40)	Front Side	10	46	5230	0.19	0.056	11.47	12.50	1.268	69.30	1.443	0.102	/	
		Leve4		Back Side	10	46	5230	-0.08	0.121	11.47	12.50	1.268	69.30	1.443	0.221	/	
		Leve4		Left Edge	10	46	5230	0.16	0.085	11.47	12.50	1.268	69.30	1.443	0.156	/	
		Leve4		Top Edge	10	46	5230	0.07	0.144	11.47	12.50	1.268	69.30	1.443	0.263	54#	
Ant.2	5.8G	Leve4	802.11n (HT40)	Front Side	10	159	5795	-0.05	0.216	14.73	15.50	1.194	69.30	1.443	0.372	/	
		Leve4		Back Side	10	159	5795	0.03	0.344	14.73	15.50	1.194	69.30	1.443	0.593	/	
		Leve4		Left Edge	10	159	5795	-0.06	0.323	14.73	15.50	1.194	69.30	1.443	0.557	/	
		Leve4		Top Edge	10	159	5795	0.01	0.418	14.73	15.50	1.194	69.30	1.443	0.720	55#	
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

Antenna	Band	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle(%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.	
Specific																	
Ant.2	5.3G	Leve3	802.11n (HT40)	Front Side	0	54	5270	0.15	0.474	17.44	17.50	1.014	69.30	1.443	0.694	/	
		Leve3		Back Side	0	54	5270	-0.06	0.588	17.44	17.50	1.014	69.30	1.443	0.860	/	
		Leve3		Left Edge	0	54	5270	0.11	0.612	17.44	17.50	1.014	69.30	1.443	0.895	/	
		Leve3		Top Edge	0	54	5270	-0.06	1.150	17.44	17.50	1.014	69.30	1.443	1.683	56#	
Ant.2	5.3G	Leve4	802.11n(HT40)	Front Side	0	54	5270	0.15	0.165	11.86	12.50	1.159	69.30	1.443	0.276	/	
		Leve4		Back Side	0	54	5270	0.01	0.192	11.86	12.50	1.159	69.30	1.443	0.321	/	
		Leve4		Left Edge	0	54	5270	0.13	0.211	11.86	12.50	1.159	69.30	1.443	0.353	/	
		Leve4		Top Edge	0	54	5270	-0.08	0.385	11.86	12.50	1.159	69.30	1.443	0.644	/	
Ant.2	5.6G	Leve3	802.11ac (VHT80)	Front Side	0	122	5610	0.11	0.622	18.21	18.50	1.069	53.61	1.865	1.240	/	
		Leve3		Back Side	0	122	5610	-0.09	0.565	18.21	18.50	1.069	53.61	1.865	1.126	/	
		Leve3		Left Edge	0	122	5610	0.05	0.523	18.21	18.50	1.069	53.61	1.865	1.043	/	
		Leve3		Top Edge	0	122	5610	0.05	1.080	18.21	18.50	1.069	53.61	1.865	2.153	57#	
		Leve3		Top Edge	0	106	5530	0.07	0.635	11.65	13.50	1.531	53.61	1.865	1.813	/	
Ant.2	5.6G	Leve4	802.11ac (VHT80)	Front Side	0	122	5610	-0.10	0.232	14.23	14.50	1.064	53.61	1.865	0.460	/	
		Leve4		Back Side	0	122	5610	0.10	0.211	14.23	14.50	1.064	53.61	1.865	0.419	/	
		Leve4		Left Edge	0	122	5610	0.01	0.185	14.23	14.50	1.064	53.61	1.865	0.367	/	
		Leve4		Top Edge	0	122	5610	-0.02	0.454	14.23	14.50	1.064	53.61	1.865	0.901	/	
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

10.16 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.2	DH5	Left Cheek	0	78	2480	0.02	0.084	9.98	11.50	1.419	77.69	1.287	0.153	58#
		Left Tilt	0	78	2480	0.14	0.045	9.98	11.50	1.419	77.69	1.287	0.082	/
		Right Cheek	0	78	2480	-0.06	0.029	9.98	11.50	1.419	77.69	1.287	0.053	/
		Right Tilt	0	78	2480	0.03	0.021	9.98	11.50	1.419	77.69	1.287	0.038	/
Body-worn														
Ant.2	DH5	Front Side	15	78	2480	0.02	0.012	9.98	11.50	1.419	77.69	1.287	0.022	/
		Back Side	15	78	2480	-0.08	0.019	9.98	11.50	1.419	77.69	1.287	0.035	59#
Hotspot														
Ant.2	DH5	Front Side	10	78	2480	-0.09	0.022	9.98	11.50	1.419	77.69	1.287	0.040	/
		Back Side	10	78	2480	0.03	0.045	9.98	11.50	1.419	77.69	1.287	0.082	60#
		Left Edge	10	78	2480	0.06	0.034	9.98	11.50	1.419	77.69	1.287	0.062	/
		Top Edge	10	78	2480	0.02	0.026	9.98	11.50	1.419	77.69	1.287	0.047	/
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 ^{1st} Measured SAR (W/kg)	Largest to Smallest SAR Radio
1909.8	GSM 1900	Head	Right Tilt	0.868	Yes	0.853	1.02
1900	WCDMA Band 2	Head	Right Tilt	0.949	Yes	0.908	1.05
1900	WCDMA Band 2	Body	Bottom Edge 10mm	0.838	Yes	0.817	1.03
1750	WCDMA Band 4	Head	Right Tilt	0.864	Yes	0.842	1.03
1900	LTE Band 2	Head	Right Tilt	0.935	Yes	0.912	1.03
1900	LTE Band 38	Head	Right Tilt	0.845	Yes	0.811	1.04

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-Worm	Hotspot	Specific
1	WWAN + WLAN 2.4GHz	Yes	Yes	Yes	Yes
2	WWAN + WLAN 5GHz+BT	Yes	Yes	Yes	Yes

Note:

1. WWAN antennas can switch automatically, the standards supported by WWAN are(GSM/GPRS/EDGE/WCDMA/LTE).
2. The maximum SAR summation is calculated based on the same configuration and test position.
3. The simultaneous transmission combinations of multiple antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations is shown in this report.

12.2 Sum SAR of Simultaneous Transmission

12.2.1 Head Simultaneous Transmission SAR Evaluation for WWAN Mode and 2.4G WLAN or 5G WLAN and BT

Band	Antenna	Position	Stand alone SAR							SUM SAR	
			1	2	3			4	1+2	1+3+4	
			WWAN	2.4G WIFI	5.2&5.3G WIFI	5.6G WIFI	5.8G WIFI	5G WIFI Max	Bluetooth	WWAN+2.4G WIFI	WWAN+5G WIFI+Bluetooth
GSM850	Ant.1	Left Cheek	0.545	0.085	0.495	0.354	0.436	0.495	0.153	0.630	1.193
GSM850	Ant.1	Left Tilt	0.546	0.073	0.519	0.408	0.447	0.519	0.082	0.619	1.147
GSM850	Ant.1	Right Cheek	0.817	0.036	0.325	0.242	0.228	0.325	0.053	0.853	1.195
GSM850	Ant.1	Right Tilt	0.614	0.029	0.364	0.238	0.272	0.364	0.038	0.643	1.016
GSM850	Ant.0	Left Cheek	0.214	0.085	0.495	0.354	0.436	0.495	0.153	0.299	0.862
GSM850	Ant.0	Left Tilt	0.113	0.073	0.519	0.408	0.447	0.519	0.082	0.186	0.714
GSM850	Ant.0	Right Cheek	0.209	0.036	0.325	0.242	0.228	0.325	0.053	0.245	0.587
GSM850	Ant.0	Right Tilt	0.116	0.029	0.364	0.238	0.272	0.364	0.038	0.145	0.518
GSM 1900	Ant.1	Left Cheek	0.708	0.085	0.495	0.354	0.436	0.495	0.153	0.793	1.356
GSM 1900	Ant.1	Left Tilt	0.834	0.073	0.519	0.408	0.447	0.519	0.082	0.907	1.435
GSM 1900	Ant.1	Right Cheek	0.842	0.036	0.325	0.242	0.228	0.325	0.053	0.878	1.220
GSM 1900	Ant.1	Right Tilt	1.168	0.029	0.364	0.238	0.272	0.364	0.038	1.197	1.570
GSM 1900	Ant.0	Left Cheek	0.082	0.085	0.495	0.354	0.436	0.495	0.153	0.167	0.730
GSM 1900	Ant.0	Left Tilt	0.092	0.073	0.519	0.408	0.447	0.519	0.082	0.165	0.693
GSM 1900	Ant.0	Right Cheek	0.097	0.036	0.325	0.242	0.228	0.325	0.053	0.133	0.475
GSM 1900	Ant.0	Right Tilt	0.104	0.029	0.364	0.238	0.272	0.364	0.038	0.133	0.506
WCDMA B2	Ant.1	Left Cheek	0.623	0.085	0.495	0.354	0.436	0.495	0.153	0.708	1.271
WCDMA B2	Ant.1	Left Tilt	0.676	0.073	0.519	0.408	0.447	0.519	0.082	0.749	1.277
WCDMA B2	Ant.1	Right Cheek	0.684	0.036	0.325	0.242	0.228	0.325	0.053	0.720	1.062
WCDMA B2	Ant.1	Right Tilt	0.967	0.029	0.364	0.238	0.272	0.364	0.038	0.996	1.369
WCDMA B2	Ant.0	Left Cheek	0.133	0.085	0.495	0.354	0.436	0.495	0.153	0.218	0.781
WCDMA B2	Ant.0	Left Tilt	0.147	0.073	0.519	0.408	0.447	0.519	0.082	0.220	0.748
WCDMA B2	Ant.0	Right Cheek	0.134	0.036	0.325	0.242	0.228	0.325	0.053	0.170	0.512
WCDMA B2	Ant.0	Right Tilt	0.169	0.029	0.364	0.238	0.272	0.364	0.038	0.198	0.571
WCDMA B4	Ant.1	Left Cheek	0.526	0.085	0.495	0.354	0.436	0.495	0.153	0.611	1.174
WCDMA B4	Ant.1	Left Tilt	0.609	0.073	0.519	0.408	0.447	0.519	0.082	0.682	1.210
WCDMA B4	Ant.1	Right Cheek	0.666	0.036	0.325	0.242	0.228	0.325	0.053	0.702	1.044
WCDMA B4	Ant.1	Right Tilt	0.903	0.029	0.364	0.238	0.272	0.364	0.038	0.932	1.305
WCDMA B4	Ant.0	Left Cheek	0.114	0.085	0.495	0.354	0.436	0.495	0.153	0.199	0.762
WCDMA B4	Ant.0	Left Tilt	0.084	0.073	0.519	0.408	0.447	0.519	0.082	0.157	0.685
WCDMA B4	Ant.0	Right Cheek	0.133	0.036	0.325	0.242	0.228	0.325	0.053	0.169	0.511
WCDMA B4	Ant.0	Right Tilt	0.116	0.029	0.364	0.238	0.272	0.364	0.038	0.145	0.518
WCDMA B5	Ant.1	Left Cheek	0.498	0.085	0.495	0.354	0.436	0.495	0.153	0.583	1.146
WCDMA B5	Ant.1	Left Tilt	0.484	0.073	0.519	0.408	0.447	0.519	0.082	0.557	1.085
WCDMA B5	Ant.1	Right Cheek	0.635	0.036	0.325	0.242	0.228	0.325	0.053	0.671	1.013

WCDMA B5	Ant.1	Right Tilt	0.602	0.029	0.364	0.238	0.272	0.364	0.038	0.631	1.004
WCDMA B5	Ant.0	Left Cheek	0.153	0.085	0.495	0.354	0.436	0.495	0.153	0.238	0.801
WCDMA B5	Ant.0	Left Tilt	0.082	0.073	0.519	0.408	0.447	0.519	0.082	0.155	0.683
WCDMA B5	Ant.0	Right Cheek	0.155	0.036	0.325	0.242	0.228	0.325	0.053	0.191	0.533
WCDMA B5	Ant.0	Right Tilt	0.088	0.029	0.364	0.238	0.272	0.364	0.038	0.117	0.490
LTE B2	Ant.1	Left Cheek	0.723	0.085	0.495	0.354	0.436	0.495	0.153	0.808	1.371
LTE B2	Ant.1	Left Tilt	0.746	0.073	0.519	0.408	0.447	0.519	0.082	0.819	1.347
LTE B2	Ant.1	Right Cheek	0.774	0.036	0.325	0.242	0.228	0.325	0.053	0.810	1.152
LTE B2	Ant.1	Right Tilt	1.088	0.029	0.364	0.238	0.272	0.364	0.038	1.117	1.490
LTE B2	Ant.0	Left Cheek	0.110	0.085	0.495	0.354	0.436	0.495	0.153	0.195	0.758
LTE B2	Ant.0	Left Tilt	0.113	0.073	0.519	0.408	0.447	0.519	0.082	0.186	0.714
LTE B2	Ant.0	Right Cheek	0.126	0.036	0.325	0.242	0.228	0.325	0.053	0.162	0.504
LTE B2	Ant.0	Right Tilt	0.117	0.029	0.364	0.238	0.272	0.364	0.038	0.146	0.519
LTE B4	Ant.1	Left Cheek	0.304	0.085	0.495	0.354	0.436	0.495	0.153	0.389	0.952
LTE B4	Ant.1	Left Tilt	0.362	0.073	0.519	0.408	0.447	0.519	0.082	0.435	0.963
LTE B4	Ant.1	Right Cheek	0.397	0.036	0.325	0.242	0.228	0.325	0.053	0.433	0.775
LTE B4	Ant.1	Right Tilt	0.527	0.029	0.364	0.238	0.272	0.364	0.038	0.556	0.929
LTE B4	Ant.0	Left Cheek	0.074	0.085	0.495	0.354	0.436	0.495	0.153	0.159	0.722
LTE B4	Ant.0	Left Tilt	0.061	0.073	0.519	0.408	0.447	0.519	0.082	0.134	0.662
LTE B4	Ant.0	Right Cheek	0.090	0.036	0.325	0.242	0.228	0.325	0.053	0.126	0.468
LTE B4	Ant.0	Right Tilt	0.062	0.029	0.364	0.238	0.272	0.364	0.038	0.091	0.464
LTE B5	Ant.1	Left Cheek	0.505	0.085	0.495	0.354	0.436	0.495	0.153	0.590	1.153
LTE B5	Ant.1	Left Tilt	0.521	0.073	0.519	0.408	0.447	0.519	0.082	0.594	1.122
LTE B5	Ant.1	Right Cheek	0.774	0.036	0.325	0.242	0.228	0.325	0.053	0.810	1.152
LTE B5	Ant.1	Right Tilt	0.686	0.029	0.364	0.238	0.272	0.364	0.038	0.715	1.088
LTE B5	Ant.0	Left Cheek	0.127	0.085	0.495	0.354	0.436	0.495	0.153	0.212	0.775
LTE B5	Ant.0	Left Tilt	0.063	0.073	0.519	0.408	0.447	0.519	0.082	0.136	0.664
LTE B5	Ant.0	Right Cheek	0.148	0.036	0.325	0.242	0.228	0.325	0.053	0.184	0.526
LTE B5	Ant.0	Right Tilt	0.073	0.029	0.364	0.238	0.272	0.364	0.038	0.102	0.475
LTE B7	Ant.1	Left Cheek	0.213	0.085	0.495	0.354	0.436	0.495	0.153	0.298	0.861
LTE B7	Ant.1	Left Tilt	0.294	0.073	0.519	0.408	0.447	0.519	0.082	0.367	0.895
LTE B7	Ant.1	Right Cheek	0.529	0.036	0.325	0.242	0.228	0.325	0.053	0.565	0.907
LTE B7	Ant.1	Right Tilt	0.663	0.029	0.364	0.238	0.272	0.364	0.038	0.692	1.065
LTE B7	Ant.0	Left Cheek	0.222	0.085	0.495	0.354	0.436	0.495	0.153	0.307	0.870
LTE B7	Ant.0	Left Tilt	0.175	0.073	0.519	0.408	0.447	0.519	0.082	0.248	0.776
LTE B7	Ant.0	Right Cheek	0.116	0.036	0.325	0.242	0.228	0.325	0.053	0.152	0.494
LTE B7	Ant.0	Right Tilt	0.097	0.029	0.364	0.238	0.272	0.364	0.038	0.126	0.499
LTE B13	Ant.1	Left Cheek	0.438	0.085	0.495	0.354	0.436	0.495	0.153	0.523	1.086
LTE B13	Ant.1	Left Tilt	0.417	0.073	0.519	0.408	0.447	0.519	0.082	0.490	1.018
LTE B13	Ant.1	Right Cheek	0.568	0.036	0.325	0.242	0.228	0.325	0.053	0.604	0.946
LTE B13	Ant.1	Right Tilt	0.569	0.029	0.364	0.238	0.272	0.364	0.038	0.598	0.971
LTE B13	Ant.0	Left Cheek	0.087	0.085	0.495	0.354	0.436	0.495	0.153	0.172	0.735
LTE B13	Ant.0	Left Tilt	0.013	0.073	0.519	0.408	0.447	0.519	0.082	0.086	0.614

LTE B13	Ant.0	Right Cheek	0.078	0.036	0.325	0.242	0.228	0.325	0.053	0.114	0.456
LTE B13	Ant.0	Right Tilt	0.051	0.029	0.364	0.238	0.272	0.364	0.038	0.080	0.453
LTE B66	Ant.1	Left Cheek	0.282	0.085	0.495	0.354	0.436	0.495	0.153	0.367	0.930
LTE B66	Ant.1	Left Tilt	0.340	0.073	0.519	0.408	0.447	0.519	0.082	0.413	0.941
LTE B66	Ant.1	Right Cheek	0.363	0.036	0.325	0.242	0.228	0.325	0.053	0.399	0.741
LTE B66	Ant.1	Right Tilt	0.443	0.029	0.364	0.238	0.272	0.364	0.038	0.472	0.845
LTE B66	Ant.0	Left Cheek	0.075	0.085	0.495	0.354	0.436	0.495	0.153	0.160	0.723
LTE B66	Ant.0	Left Tilt	0.058	0.073	0.519	0.408	0.447	0.519	0.082	0.131	0.659
LTE B66	Ant.0	Right Cheek	0.092	0.036	0.325	0.242	0.228	0.325	0.053	0.128	0.470
LTE B66	Ant.0	Right Tilt	0.068	0.029	0.364	0.238	0.272	0.364	0.038	0.097	0.470
LTE B38	Ant.1	Left Cheek	0.264	0.085	0.495	0.354	0.436	0.495	0.153	0.349	0.912
LTE B38	Ant.1	Left Tilt	0.375	0.073	0.519	0.408	0.447	0.519	0.082	0.448	0.976
LTE B38	Ant.1	Right Cheek	0.730	0.036	0.325	0.242	0.228	0.325	0.053	0.766	1.108
LTE B38	Ant.1	Right Tilt	0.968	0.029	0.364	0.238	0.272	0.364	0.038	0.997	1.370
LTE B38	Ant.0	Left Cheek	0.163	0.085	0.495	0.354	0.436	0.495	0.153	0.248	0.811
LTE B38	Ant.0	Left Tilt	0.089	0.073	0.519	0.408	0.447	0.519	0.082	0.162	0.690
LTE B38	Ant.0	Right Cheek	0.070	0.036	0.325	0.242	0.228	0.325	0.053	0.106	0.448
LTE B38	Ant.0	Right Tilt	0.054	0.029	0.364	0.238	0.272	0.364	0.038	0.083	0.456
LTE B41	Ant.1	Left Cheek	0.231	0.085	0.495	0.354	0.436	0.495	0.153	0.316	0.879
LTE B41	Ant.1	Left Tilt	0.315	0.073	0.519	0.408	0.447	0.519	0.082	0.388	0.916
LTE B41	Ant.1	Right Cheek	0.598	0.036	0.325	0.242	0.228	0.325	0.053	0.634	0.976
LTE B41	Ant.1	Right Tilt	0.790	0.029	0.364	0.238	0.272	0.364	0.038	0.819	1.192
LTE B41	Ant.0	Left Cheek	0.169	0.085	0.495	0.354	0.436	0.495	0.153	0.254	0.817
LTE B41	Ant.0	Left Tilt	0.086	0.073	0.519	0.408	0.447	0.519	0.082	0.159	0.687
LTE B41	Ant.0	Right Cheek	0.067	0.036	0.325	0.242	0.228	0.325	0.053	0.103	0.445
LTE B41	Ant.0	Right Tilt	0.066	0.029	0.364	0.238	0.272	0.364	0.038	0.095	0.468

Note:

- 1: The simultaneous transmission combinations of the three 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 1.570 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.2 Body-worn Simultaneous Transmission SAR Evaluation for WWAN Mode and 2.4G WLAN or 5G WLAN and BT

Band	Antenna	Position	Stand alone SAR							SUM SAR	
			1	2	3			4	1+2	1+3+4	
			WWAN	2.4G WIFI	5.2&5.3G WIFI	5.6G WIFI	5.8G WIFI	5G WIFI Max	Bluetooth	WWAN+2.4G WIFI	WWAN+5G WIFI+Bluetooth
GSM850	Ant.1	Front Side15mm	0.132	0.106	0.221	0.267	0.543	0.543	0.022	0.238	0.697
GSM850	Ant.1	Back Side15mm	0.193	0.130	0.484	0.654	0.819	0.819	0.035	0.323	1.047
GSM850	Ant.0	Front Side15mm	0.124	0.106	0.221	0.267	0.543	0.543	0.022	0.230	0.689
GSM850	Ant.0	Back Side15mm	0.185	0.130	0.484	0.654	0.819	0.819	0.035	0.315	1.039
GSM 1900	Ant.1	Front Side15mm	0.163	0.106	0.221	0.267	0.543	0.543	0.022	0.269	0.728
GSM 1900	Ant.1	Back Side15mm	0.196	0.130	0.484	0.654	0.819	0.819	0.035	0.326	1.050
GSM 1900	Ant.0	Front Side15mm	0.117	0.106	0.221	0.267	0.543	0.543	0.022	0.223	0.682
GSM 1900	Ant.0	Back Side15mm	0.182	0.130	0.484	0.654	0.819	0.819	0.035	0.312	1.036
WCDMA B2	Ant.1	Front Side15mm	0.178	0.106	0.221	0.267	0.543	0.543	0.022	0.284	0.743
WCDMA B2	Ant.1	Back Side15mm	0.212	0.130	0.484	0.654	0.819	0.819	0.035	0.342	1.066
WCDMA B2	Ant.0	Front Side15mm	0.206	0.106	0.221	0.267	0.543	0.543	0.022	0.312	0.771
WCDMA B2	Ant.0	Back Side15mm	0.352	0.130	0.484	0.654	0.819	0.819	0.035	0.482	1.206
WCDMA B4	Ant.1	Front Side15mm	0.164	0.106	0.221	0.267	0.543	0.543	0.022	0.270	0.729
WCDMA B4	Ant.1	Back Side15mm	0.144	0.130	0.484	0.654	0.819	0.819	0.035	0.274	0.998
WCDMA B4	Ant.0	Front Side15mm	0.126	0.106	0.221	0.267	0.543	0.543	0.022	0.232	0.691
WCDMA B4	Ant.0	Back Side15mm	0.209	0.130	0.484	0.654	0.819	0.819	0.035	0.339	1.063
WCDMA B5	Ant.1	Front Side15mm	0.065	0.106	0.221	0.267	0.543	0.543	0.022	0.171	0.630
WCDMA B5	Ant.1	Back Side15mm	0.072	0.130	0.484	0.654	0.819	0.819	0.035	0.202	0.926
WCDMA B5	Ant.0	Front Side15mm	0.065	0.106	0.221	0.267	0.543	0.543	0.022	0.171	0.630
WCDMA B5	Ant.0	Back Side15mm	0.094	0.130	0.484	0.654	0.819	0.819	0.035	0.224	0.948
LTE B2	Ant.1	Front Side15mm	0.153	0.106	0.221	0.267	0.543	0.543	0.022	0.259	0.718
LTE B2	Ant.1	Back Side15mm	0.248	0.130	0.484	0.654	0.819	0.819	0.035	0.378	1.102
LTE B2	Ant.0	Front Side15mm	0.098	0.106	0.221	0.267	0.543	0.543	0.022	0.204	0.663
LTE B2	Ant.0	Back Side15mm	0.188	0.130	0.484	0.654	0.819	0.819	0.035	0.318	1.042
LTE B4	Ant.1	Front Side15mm	0.143	0.106	0.221	0.267	0.543	0.543	0.022	0.249	0.708
LTE B4	Ant.1	Back Side15mm	0.120	0.130	0.484	0.654	0.819	0.819	0.035	0.250	0.974
LTE B4	Ant.0	Front Side15mm	0.101	0.106	0.221	0.267	0.543	0.543	0.022	0.207	0.666
LTE B4	Ant.0	Back Side15mm	0.206	0.130	0.484	0.654	0.819	0.819	0.035	0.336	1.060
LTE B5	Ant.1	Front Side15mm	0.116	0.106	0.221	0.267	0.543	0.543	0.022	0.222	0.681
LTE B5	Ant.1	Back Side15mm	0.129	0.130	0.484	0.654	0.819	0.819	0.035	0.259	0.983
LTE B5	Ant.0	Front Side15mm	0.112	0.106	0.221	0.267	0.543	0.543	0.022	0.218	0.677
LTE B5	Ant.0	Back Side15mm	0.137	0.130	0.484	0.654	0.819	0.819	0.035	0.267	0.991
LTE B7	Ant.1	Front Side15mm	0.084	0.106	0.221	0.267	0.543	0.543	0.022	0.190	0.649
LTE B7	Ant.1	Back Side15mm	0.171	0.130	0.484	0.654	0.819	0.819	0.035	0.301	1.025
LTE B7	Ant.0	Front Side15mm	0.107	0.106	0.221	0.267	0.543	0.543	0.022	0.213	0.672
LTE B7	Ant.0	Back Side15mm	0.168	0.130	0.484	0.654	0.819	0.819	0.035	0.298	1.022

LTE B13	Ant.1	Front Side15mm	0.095	0.106	0.221	0.267	0.543	0.543	0.022	0.201	0.660
LTE B13	Ant.1	Back Side15mm	0.111	0.130	0.484	0.654	0.819	0.819	0.035	0.241	0.965
LTE B13	Ant.0	Front Side15mm	0.103	0.106	0.221	0.267	0.543	0.543	0.022	0.209	0.668
LTE B13	Ant.0	Back Side15mm	0.121	0.130	0.484	0.654	0.819	0.819	0.035	0.251	0.975
LTE B66	Ant.1	Front Side15mm	0.155	0.106	0.221	0.267	0.543	0.543	0.022	0.261	0.720
LTE B66	Ant.1	Back Side15mm	0.139	0.130	0.484	0.654	0.819	0.819	0.035	0.269	0.993
LTE B66	Ant.0	Front Side15mm	0.111	0.106	0.221	0.267	0.543	0.543	0.022	0.217	0.676
LTE B66	Ant.0	Back Side15mm	0.182	0.130	0.484	0.654	0.819	0.819	0.035	0.312	1.036
LTE B38	Ant.1	Front Side15mm	0.143	0.106	0.221	0.267	0.543	0.543	0.022	0.249	0.708
LTE B38	Ant.1	Back Side15mm	0.323	0.130	0.484	0.654	0.819	0.819	0.035	0.453	1.177
LTE B38	Ant.0	Front Side15mm	0.085	0.106	0.221	0.267	0.543	0.543	0.022	0.191	0.650
LTE B38	Ant.0	Back Side15mm	0.110	0.130	0.484	0.654	0.819	0.819	0.035	0.240	0.964
LTE B41	Ant.1	Front Side15mm	0.137	0.106	0.221	0.267	0.543	0.543	0.022	0.243	0.702
LTE B41	Ant.1	Back Side15mm	0.337	0.130	0.484	0.654	0.819	0.819	0.035	0.467	1.191
LTE B41	Ant.0	Front Side15mm	0.082	0.106	0.221	0.267	0.543	0.543	0.022	0.188	0.647
LTE B41	Ant.0	Back Side15mm	0.107	0.130	0.484	0.654	0.819	0.819	0.035	0.237	0.961

Note:

- 1: The simultaneous transmission combinations of the three 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 1.206 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.3 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Mode and 2.4G WLAN or 5G WLAN and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4	1+2	1+3+4
			WWAN	2.4G WIFI	5G WIFI Max	Bluetooth	WWAN+2.4G WIFI	WWAN+5G WIFI+Bluetooth
GSM850	Ant.1	Front Side 10mm	0.126	0.109	0.372	0.040	0.235	0.538
GSM850	Ant.1	Back Side 10mm	0.170	0.159	0.593	0.082	0.329	0.845
GSM850	Ant.1	Right Edge 10mm	0.068	0.125	0.000	0.000	0.193	0.068
GSM850	Ant.1	Top Edge 10mm	0.154	0.105	0.720	0.047	0.259	0.921
GSM850	Ant.0	Front Side 10mm	0.110	0.109	0.372	0.040	0.219	0.522
GSM850	Ant.0	Back Side 10mm	0.171	0.159	0.593	0.082	0.330	0.846
GSM850	Ant.0	Left Edge 10mm	0.104	0.125	0.557	0.062	0.229	0.723
GSM850	Ant.0	Right Edge 10mm	0.069	0.000	0.000	0.047	0.069	0.116
GSM850	Ant.0	Bottom Edge 10mm	0.191	0.000	0.000	0.000	0.191	0.191
GSM 1900	Ant.1	Front Side 10mm	0.187	0.109	0.372	0.040	0.296	0.599
GSM 1900	Ant.1	Back Side 10mm	0.239	0.159	0.593	0.082	0.398	0.914
GSM 1900	Ant.1	Right Edge 10mm	0.033	0.125	0.000	0.000	0.158	0.033
GSM 1900	Ant.1	Top Edge 10mm	0.678	0.105	0.720	0.047	0.783	1.445
GSM 1900	Ant.0	Front Side 10mm	0.144	0.109	0.372	0.040	0.253	0.556
GSM 1900	Ant.0	Back Side 10mm	0.283	0.159	0.593	0.082	0.442	0.958
GSM 1900	Ant.0	Left Edge 10mm	0.033	0.125	0.557	0.062	0.158	0.652
GSM 1900	Ant.0	Right Edge 10mm	0.098	0.000	0.000	0.047	0.098	0.145
GSM 1900	Ant.0	Bottom Edge 10mm	0.356	0.000	0.000	0.000	0.356	0.356
WCDMA B2	Ant.1	Front Side 10mm	0.306	0.109	0.372	0.040	0.415	0.718
WCDMA B2	Ant.1	Back Side 10mm	0.334	0.159	0.593	0.082	0.493	1.009
WCDMA B2	Ant.1	Right Edge 10mm	0.081	0.125	0.000	0.000	0.206	0.081
WCDMA B2	Ant.1	Top Edge 10mm	0.557	0.105	0.720	0.047	0.662	1.324
WCDMA B2	Ant.0	Front Side 10mm	0.200	0.109	0.372	0.040	0.309	0.612
WCDMA B2	Ant.0	Back Side 10mm	0.404	0.159	0.593	0.082	0.563	1.079
WCDMA B2	Ant.0	Left Edge 10mm	0.048	0.125	0.557	0.062	0.173	0.667
WCDMA B2	Ant.0	Right Edge 10mm	0.131	0.000	0.000	0.047	0.131	0.178
WCDMA B2	Ant.0	Bottom Edge 10mm	0.846	0.000	0.000	0.000	0.846	0.846
WCDMA B4	Ant.1	Front Side 10mm	0.254	0.109	0.372	0.040	0.363	0.666
WCDMA B4	Ant.1	Back Side 10mm	0.232	0.159	0.593	0.082	0.391	0.907
WCDMA B4	Ant.1	Right Edge 10mm	0.073	0.125	0.000	0.000	0.198	0.073
WCDMA B4	Ant.1	Top Edge 10mm	0.404	0.105	0.720	0.047	0.509	1.171
WCDMA B4	Ant.0	Front Side 10mm	0.198	0.109	0.372	0.040	0.307	0.610
WCDMA B4	Ant.0	Back Side 10mm	0.370	0.159	0.593	0.082	0.529	1.045
WCDMA B4	Ant.0	Left Edge 10mm	0.022	0.125	0.557	0.062	0.147	0.641
WCDMA B4	Ant.0	Right Edge 10mm	0.086	0.000	0.000	0.047	0.086	0.133
WCDMA B4	Ant.0	Bottom Edge 10mm	0.750	0.000	0.000	0.000	0.750	0.750
WCDMA B5	Ant.1	Front Side 10mm	0.104	0.109	0.372	0.040	0.213	0.516

WCDMA B5	Ant.1	Back Side 10mm	0.140	0.159	0.593	0.082	0.299	0.815
WCDMA B5	Ant.1	Right Edge 10mm	0.069	0.125	0.000	0.000	0.194	0.069
WCDMA B5	Ant.1	Top Edge 10mm	0.122	0.105	0.720	0.047	0.227	0.889
WCDMA B5	Ant.0	Front Side 10mm	0.150	0.109	0.372	0.040	0.259	0.562
WCDMA B5	Ant.0	Back Side 10mm	0.187	0.159	0.593	0.082	0.346	0.862
WCDMA B5	Ant.0	Left Edge 10mm	0.138	0.125	0.557	0.062	0.263	0.757
WCDMA B5	Ant.0	Right Edge 10mm	0.117	0.000	0.000	0.047	0.117	0.164
WCDMA B5	Ant.0	Bottom Edge 10mm	0.170	0.000	0.000	0.000	0.170	0.170
LTE B2	Ant.1	Front Side 10mm	0.298	0.109	0.372	0.040	0.407	0.710
LTE B2	Ant.1	Back Side 10mm	0.352	0.159	0.593	0.082	0.511	1.027
LTE B2	Ant.1	Right Edge 10mm	0.066	0.125	0.000	0.000	0.191	0.066
LTE B2	Ant.1	Top Edge 10mm	0.527	0.105	0.720	0.047	0.632	1.294
LTE B2	Ant.0	Front Side 10mm	0.206	0.109	0.372	0.040	0.315	0.618
LTE B2	Ant.0	Back Side 10mm	0.407	0.159	0.593	0.082	0.566	1.082
LTE B2	Ant.0	Left Edge 10mm	0.007	0.125	0.557	0.062	0.132	0.626
LTE B2	Ant.0	Right Edge 10mm	0.146	0.000	0.000	0.047	0.146	0.193
LTE B2	Ant.0	Bottom Edge 10mm	0.526	0.000	0.000	0.000	0.526	0.526
LTE B4	Ant.1	Front Side 10mm	0.157	0.109	0.372	0.040	0.266	0.569
LTE B4	Ant.1	Back Side 10mm	0.153	0.159	0.593	0.082	0.312	0.828
LTE B4	Ant.1	Right Edge 10mm	0.045	0.125	0.000	0.000	0.170	0.045
LTE B4	Ant.1	Top Edge 10mm	0.273	0.105	0.720	0.047	0.378	1.040
LTE B4	Ant.0	Front Side 10mm	0.240	0.109	0.372	0.040	0.349	0.652
LTE B4	Ant.0	Back Side 10mm	0.476	0.159	0.593	0.082	0.635	1.151
LTE B4	Ant.0	Left Edge 10mm	0.059	0.125	0.557	0.062	0.184	0.678
LTE B4	Ant.0	Right Edge 10mm	0.121	0.000	0.000	0.047	0.121	0.168
LTE B4	Ant.0	Bottom Edge 10mm	0.554	0.000	0.000	0.000	0.554	0.554
LTE B5	Ant.1	Front Side 10mm	0.179	0.109	0.372	0.040	0.288	0.591
LTE B5	Ant.1	Back Side 10mm	0.261	0.159	0.593	0.082	0.420	0.936
LTE B5	Ant.1	Right Edge 10mm	0.117	0.125	0.000	0.000	0.242	0.117
LTE B5	Ant.1	Top Edge 10mm	0.250	0.105	0.720	0.047	0.355	1.017
LTE B5	Ant.0	Front Side 10mm	0.334	0.109	0.372	0.040	0.443	0.746
LTE B5	Ant.0	Back Side 10mm	0.314	0.159	0.593	0.082	0.473	0.989
LTE B5	Ant.0	Left Edge 10mm	0.311	0.125	0.557	0.062	0.436	0.930
LTE B5	Ant.0	Right Edge 10mm	0.243	0.000	0.000	0.047	0.243	0.290
LTE B5	Ant.0	Bottom Edge 10mm	0.370	0.000	0.000	0.000	0.370	0.370
LTE B7	Ant.1	Front Side 10mm	0.179	0.109	0.372	0.040	0.288	0.591
LTE B7	Ant.1	Back Side 10mm	0.381	0.159	0.593	0.082	0.540	1.056
LTE B7	Ant.1	Right Edge 10mm	0.249	0.125	0.000	0.000	0.374	0.249
LTE B7	Ant.1	Top Edge 10mm	0.411	0.105	0.720	0.047	0.516	1.178
LTE B7	Ant.0	Front Side 10mm	0.222	0.109	0.372	0.040	0.331	0.634
LTE B7	Ant.0	Back Side 10mm	0.320	0.159	0.593	0.082	0.479	0.995
LTE B7	Ant.0	Left Edge 10mm	0.059	0.125	0.557	0.062	0.184	0.678
LTE B7	Ant.0	Right Edge 10mm	0.228	0.000	0.000	0.047	0.228	0.275

LTE B7	Ant.0	Bottom Edge 10mm	0.338	0.000	0.000	0.000	0.338	0.338
LTE B13	Ant.1	Front Side 10mm	0.104	0.109	0.372	0.040	0.213	0.516
LTE B13	Ant.1	Back Side 10mm	0.142	0.159	0.593	0.082	0.301	0.817
LTE B13	Ant.1	Right Edge 10mm	0.099	0.125	0.000	0.000	0.224	0.099
LTE B13	Ant.1	Top Edge 10mm	0.149	0.105	0.720	0.047	0.254	0.916
LTE B13	Ant.0	Front Side 10mm	0.125	0.109	0.372	0.040	0.234	0.537
LTE B13	Ant.0	Back Side 10mm	0.174	0.159	0.593	0.082	0.333	0.849
LTE B13	Ant.0	Left Edge 10mm	0.137	0.125	0.557	0.062	0.262	0.756
LTE B13	Ant.0	Right Edge 10mm	0.122	0.000	0.000	0.047	0.122	0.169
LTE B13	Ant.0	Bottom Edge 10mm	0.144	0.000	0.000	0.000	0.144	0.144
LTE B66	Ant.1	Front Side 10mm	0.228	0.109	0.372	0.040	0.337	0.640
LTE B66	Ant.1	Back Side 10mm	0.223	0.159	0.593	0.082	0.382	0.898
LTE B66	Ant.1	Right Edge 10mm	0.033	0.125	0.000	0.000	0.158	0.033
LTE B66	Ant.1	Top Edge 10mm	0.346	0.105	0.720	0.047	0.451	1.113
LTE B66	Ant.0	Front Side 10mm	0.223	0.109	0.372	0.040	0.332	0.635
LTE B66	Ant.0	Back Side 10mm	0.442	0.159	0.593	0.082	0.601	1.117
LTE B66	Ant.0	Left Edge 10mm	0.056	0.125	0.557	0.062	0.181	0.675
LTE B66	Ant.0	Right Edge 10mm	0.117	0.000	0.000	0.047	0.117	0.164
LTE B66	Ant.0	Bottom Edge 10mm	0.492	0.000	0.000	0.000	0.492	0.492
LTE B38	Ant.1	Front Side 10mm	0.214	0.109	0.372	0.040	0.323	0.626
LTE B38	Ant.1	Back Side 10mm	0.567	0.159	0.593	0.082	0.726	1.242
LTE B38	Ant.1	Right Edge 10mm	0.322	0.125	0.000	0.000	0.447	0.322
LTE B38	Ant.1	Top Edge 10mm	0.781	0.105	0.720	0.047	0.886	1.548
LTE B38	Ant.0	Front Side 10mm	0.186	0.109	0.372	0.040	0.295	0.598
LTE B38	Ant.0	Back Side 10mm	0.291	0.159	0.593	0.082	0.450	0.966
LTE B38	Ant.0	Left Edge 10mm	0.154	0.125	0.557	0.062	0.279	0.773
LTE B38	Ant.0	Right Edge 10mm	0.194	0.000	0.000	0.047	0.194	0.241
LTE B38	Ant.0	Bottom Edge 10mm	0.271	0.000	0.000	0.000	0.271	0.271
LTE B41	Ant.1	Front Side 10mm	0.211	0.109	0.372	0.040	0.320	0.623
LTE B41	Ant.1	Back Side 10mm	0.541	0.159	0.593	0.082	0.700	1.216
LTE B41	Ant.1	Right Edge 10mm	0.326	0.125	0.000	0.000	0.451	0.326
LTE B41	Ant.1	Top Edge 10mm	0.673	0.105	0.720	0.047	0.778	1.440
LTE B41	Ant.0	Front Side 10mm	0.188	0.109	0.372	0.040	0.297	0.600
LTE B41	Ant.0	Back Side 10mm	0.254	0.159	0.593	0.082	0.413	0.929
LTE B41	Ant.0	Left Edge 10mm	0.039	0.125	0.557	0.062	0.164	0.658
LTE B41	Ant.0	Right Edge 10mm	0.193	0.000	0.000	0.047	0.193	0.240
LTE B41	Ant.0	Bottom Edge 10mm	0.245	0.000	0.000	0.000	0.245	0.245

Note:

- 1: The simultaneous transmission combinations of the three 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 1.548 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.4 Limb Simultaneous Transmission SAR Evaluation for WWAN Mode and 2.4G WLAN or 5G WLAN and BT

Band	Antenna	Position	Stand alone SAR		SUM SAR
			1	2	1+2
			WWAN	5G WIFI Max	WWAN+5G WIFI
GSM1900	Ant.1	Top Edge 0mm	2.633	0.901	3.534
WCDMA B2	Ant.1	Top Edge 0mm	1.986	0.901	2.887

Note:

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

2: The highest Summed 10g SAR is 3.534 W/Kg < 4.0 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: 1208	2021/07/05	2024/07/05
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2021/05/17	2024/05/16
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2021/05/17	2024/05/16
1900MHz Validation Dipole	Speag	D1900V2	SN: 5d193	2021/05/20	2024/05/19
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2021/05/19	2024/05/18
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2021/05/19	2024/05/18
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2021/05/18	2024/05/17
E-Field Probe	Speag	EX3DV4	SN: 7607	2023/07/04	2024/07/04
Data Acquisition Electronicsr	Speag	DAE4	SN: 1710	2024/01/03	2025/01/02
Signal Generator	R&S	SMB100A	177746	2024/04/24	2025/04/24
Power Meter	R&S	NRVD-B2	835843/014	2023/09/05	2024/09/04
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	6201144551	2023/06/29	2024/06/29
Network Analyzer	Agilent	E5071C	MY46103472	2023/11/14	2024/11/14
Thermometer	Elitech	RC-4HC	EF5238001628	2023/10/09	2024/10/09
Thermometer	Elitech	RC-4HC	EF7239002652	2023/11/17	2024/11/17
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 1576	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

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

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

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

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

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ϵ)	Target Conductivity (σ) (S/m)	Target Permittivity (ϵ)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2024.04.26	Head	750	21.2	0.91	41.74	0.89	41.94	2.25	-0.48
2024.04.27	Head	835	21.3	0.90	41.97	0.90	41.50	0.00	1.13
2024.04.29	Head	835	21.2	0.90	41.90	0.90	41.50	0.00	0.96
2024.04.30	Head	1750	21.4	1.37	40.18	1.37	40.08	0.00	0.25
2024.05.02	Head	1750	21.3	1.38	39.99	1.37	40.08	0.73	-0.22
2024.05.03	Head	1750	21.6	1.38	40.03	1.37	40.08	0.73	-0.12
2024.05.04	Head	1900	21.5	1.39	40.03	1.40	40.00	-0.71	0.08
2024.05.05	Head	1900	21.4	1.40	39.73	1.40	40.00	0.00	-0.68
2024.05.09	Head	2450	21.4	1.81	39.59	1.80	39.20	0.56	0.99
2024.05.06	Head	2600	21.8	1.97	38.58	1.96	39.01	0.51	-1.10
2024.05.07	Head	2600	21.6	1.97	38.63	1.96	39.01	0.51	-0.97
2024.05.08	Head	2600	21.2	1.98	38.57	1.96	39.01	1.02	-1.13
2024.05.10	Head	5250	21.4	4.71	35.80	4.71	35.93	0.00	-0.36
2024.05.11	Head	5600	21.7	5.05	35.17	5.07	35.53	-0.39	-1.01
2024.05.12	Head	5750	21.2	5.18	35.57	5.22	35.36	-0.77	0.59

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

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.04.26	Head	750	100	0.83	8.33	8.51	-2.12
2024.04.27	Head	835	100	0.97	9.86	9.76	1.02
2024.04.29	Head	835	100	0.98	9.78	9.76	0.20
2024.04.30	Head	1750	100	3.75	37.50	36.70	2.18
2024.05.02	Head	1750	100	3.71	37.10	36.70	1.09
2024.05.03	Head	1750	100	3.83	38.30	36.70	4.36
2024.05.04	Head	1900	100	3.96	39.60	40.30	-0.02
2024.05.05	Head	1900	100	4.12	41.20	40.30	0.02
2024.05.09	Head	2450	100	5.29	52.90	53.00	0.00
2024.05.06	Head	2600	100	5.77	57.70	56.80	0.02
2024.05.07	Head	2600	100	5.82	58.20	56.80	0.02
2024.05.08	Head	2600	100	5.67	56.70	56.80	0.00
2024.05.10	Head	5250	100	7.56	75.60	77.80	-0.03
2024.05.11	Head	5600	100	7.96	79.60	81.20	-0.02
2024.05.12	Head	5750	100	7.82	78.20	77.20	0.01
Note: The tolerance limit of System validation $\pm 10\%$.							

Head liquid 10g

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.04.30	1750	100	1.920	19.20	19.10	0.52
2024.05.02	1750	100	1.950	19.50	19.10	2.09
2024.05.03	1750	100	1.980	19.80	19.10	3.66
2024.05.04	1900	100	2.030	20.30	20.30	0.00
2024.05.05	1900	100	2.090	20.90	20.30	0.03
2024.05.10	5250	100	2.160	21.60	22.10	-0.02
2024.05.11	5600	100	2.330	23.30	23.10	0.01

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

System Performance Check Data (750MHz)

Date: 2024.04.26

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

Medium parameters used (extrapolated): $f = 750$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 41.744$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.31, 10.57, 10.43); Calibrated: 2023.07.04;
- 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 750/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

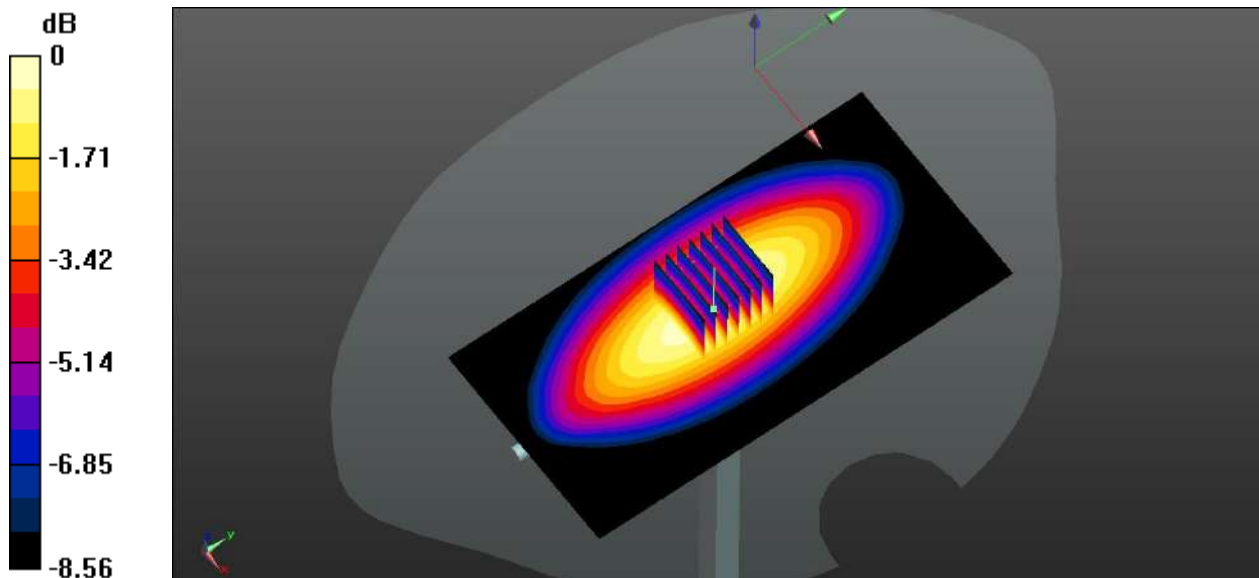
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.59 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.833 W/kg; SAR(10 g) = 0.549 W/kg

Maximum value of SAR (measured) = 0.915 W/kg



0 dB = 0.915 W/kg

System Performance Check Data (835MHz)

Date: 2024.04.27

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.897$ S/m; $\epsilon_r = 41.966$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(9.96, 10.1, 10.15); Calibrated: 2023.07.04;
- 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) = 1.21 W/kg

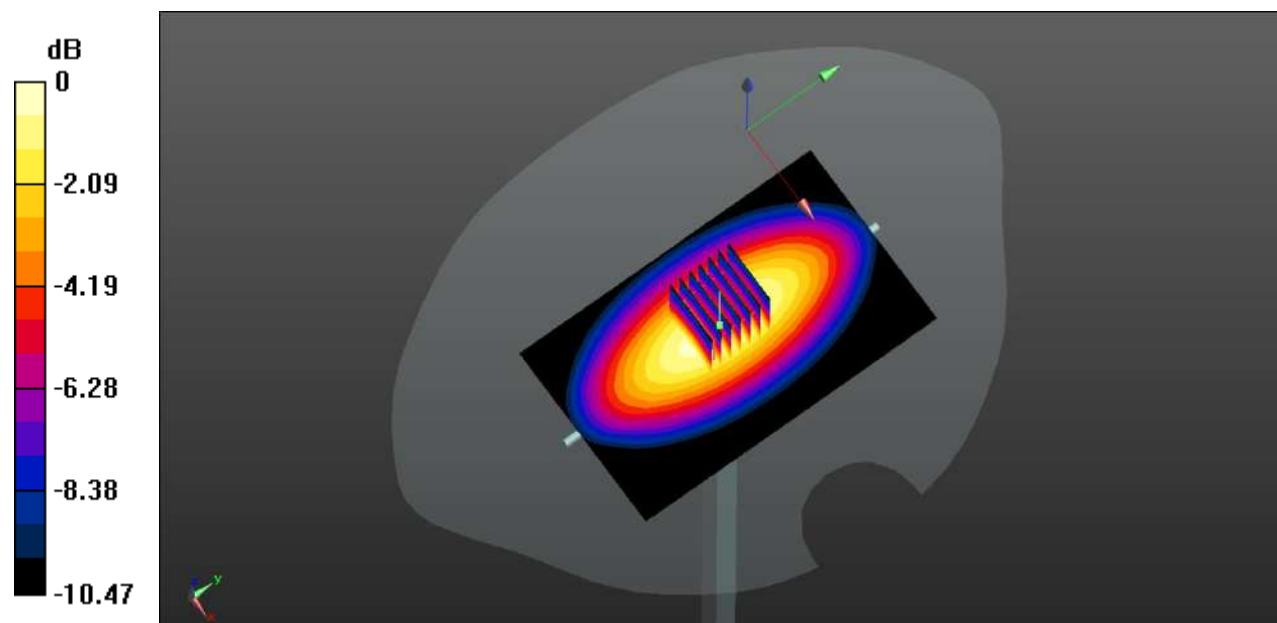
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 33.02 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.986 W/kg; SAR(10 g) = 0.641 W/kg

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



0 dB = 1.05 W/kg

System Performance Check Data (835MHz)

Date: 2024.04.29

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.9$ S/m; $\epsilon_r = 41.896$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(9.96, 10.1, 10.15); Calibrated: 2023.07.04;
- 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) = 1.05 W/kg

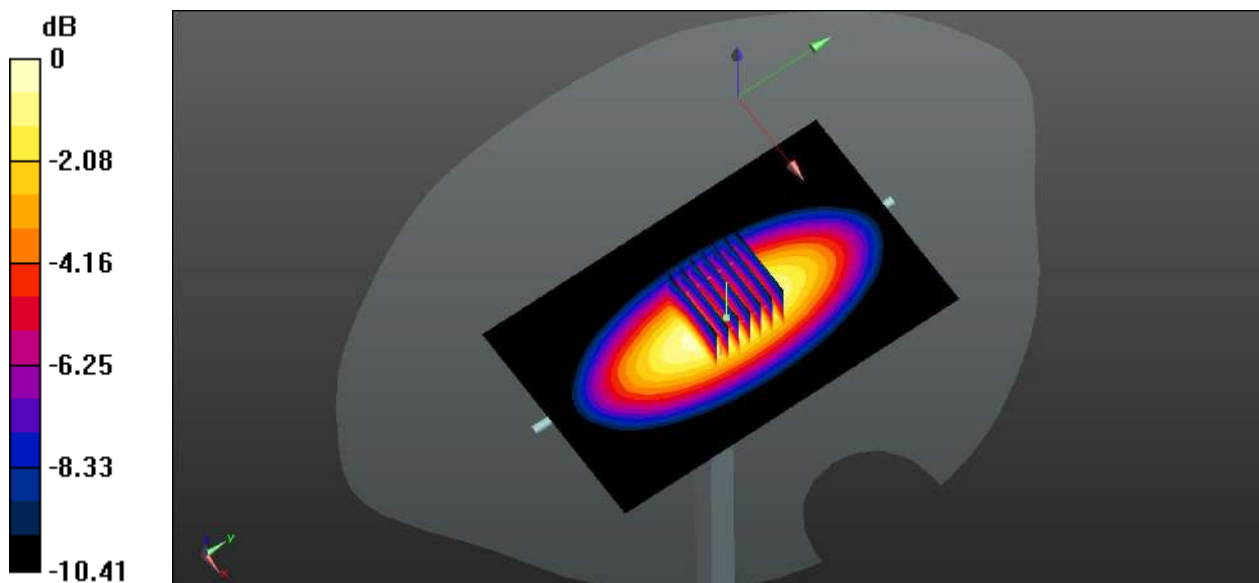
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.48 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.978 W/kg; SAR(10 g) = 0.639 W/kg

Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg

System Performance Check Data (1750MHz)

Date: 2024.04.30

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

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.374$ S/m; $\epsilon_r = 40.18$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.52, 8.91, 8.76); Calibrated: 2023.07.04;
- 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) = 4.46 W/kg

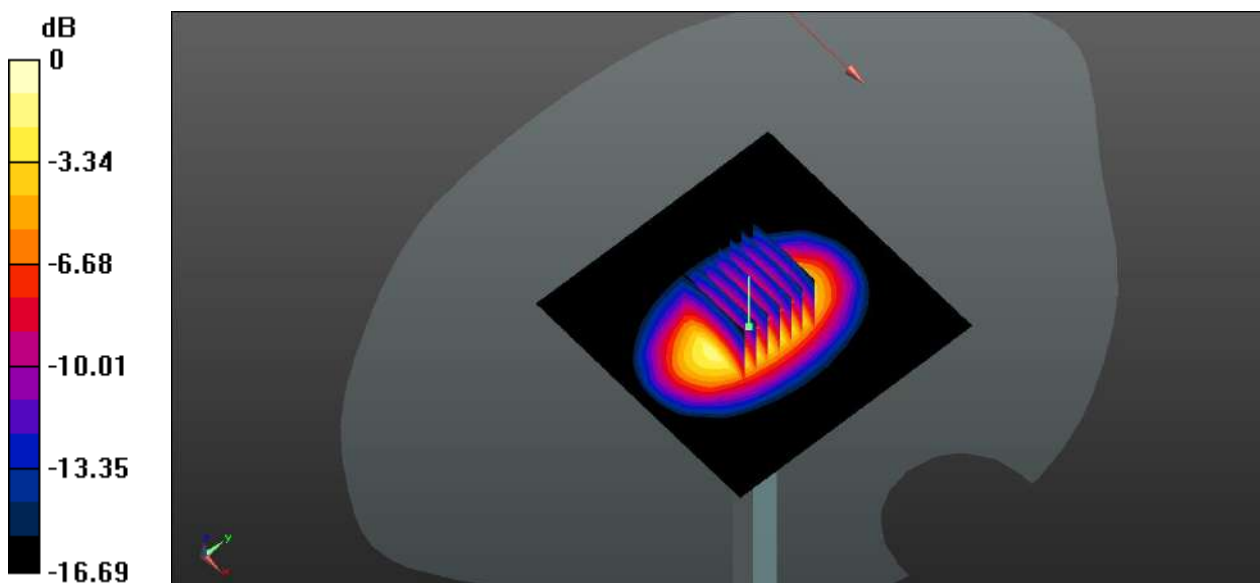
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.95 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 7.04 W/kg

SAR(1 g) = 3.75 W/kg; SAR(10 g) = 1.92 W/kg

Maximum value of SAR (measured) = 4.31 W/kg



0 dB = 4.31 W/kg

System Performance Check Data (1750MHz)

Date: 2024.05.02

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

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.38$ S/m; $\epsilon_r = 39.985$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.52, 8.91, 8.76); Calibrated: 2023.07.04;
- 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 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

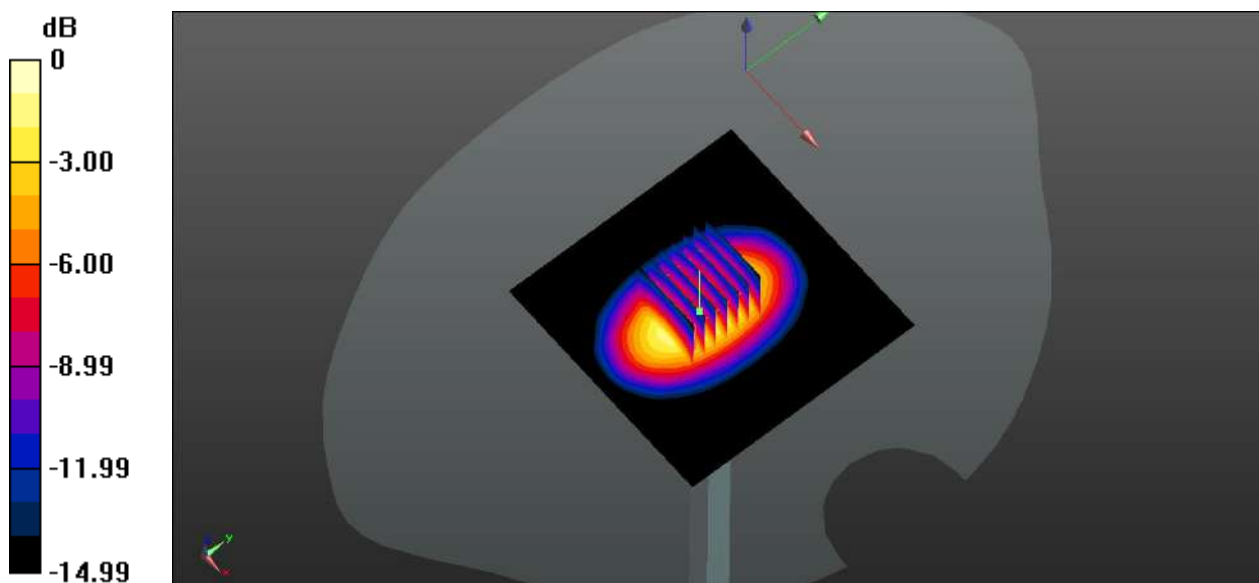
CW 1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.22 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 6.48 W/kg

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

Maximum value of SAR (measured) = 4.18 W/kg



0 dB = 4.18 W/kg

System Performance Check Data (1750MHz)

Date: 2024.05.03

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 40.031$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.52, 8.91, 8.76); Calibrated: 2023.07.04;
- 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 HEAD 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.44 W/kg

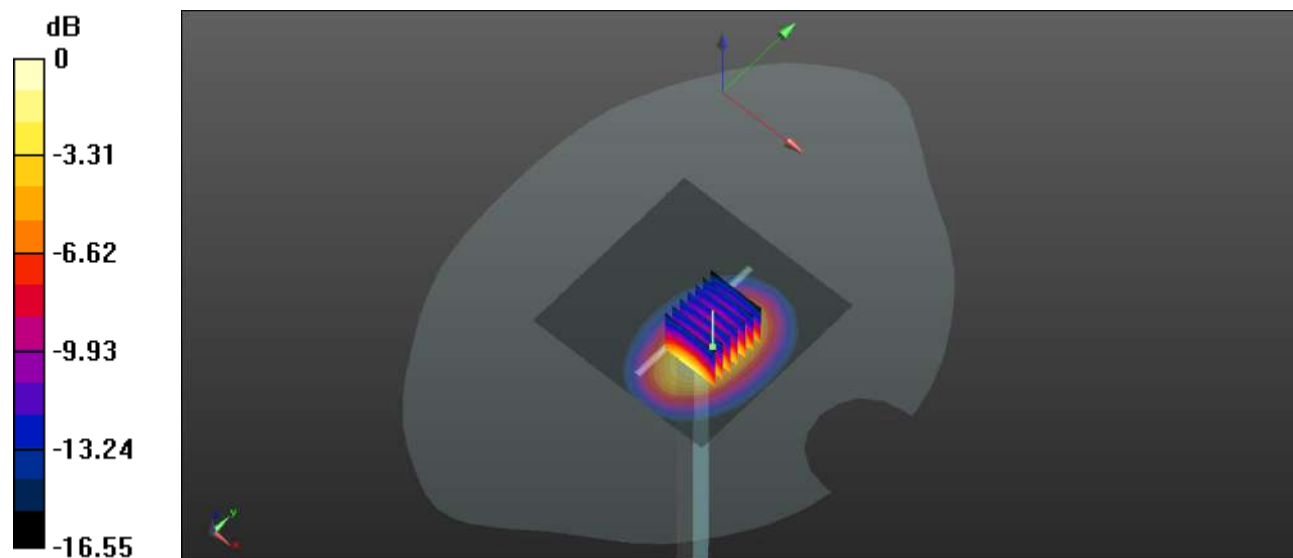
CW1750 HEAD 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.15 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 7.22 W/kg

SAR(1 g) = 3.83 W/kg; SAR(10 g) = 1.98 W/kg

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



0 dB = 4.28 W/kg

System Performance Check Data (1900MHz)

Date: 2024.05.04

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.393$ S/m; $\epsilon_r = 40.029$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.98, 8.26, 8.14); Calibrated: 2023.07.04;
- 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 1900/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.55 W/kg

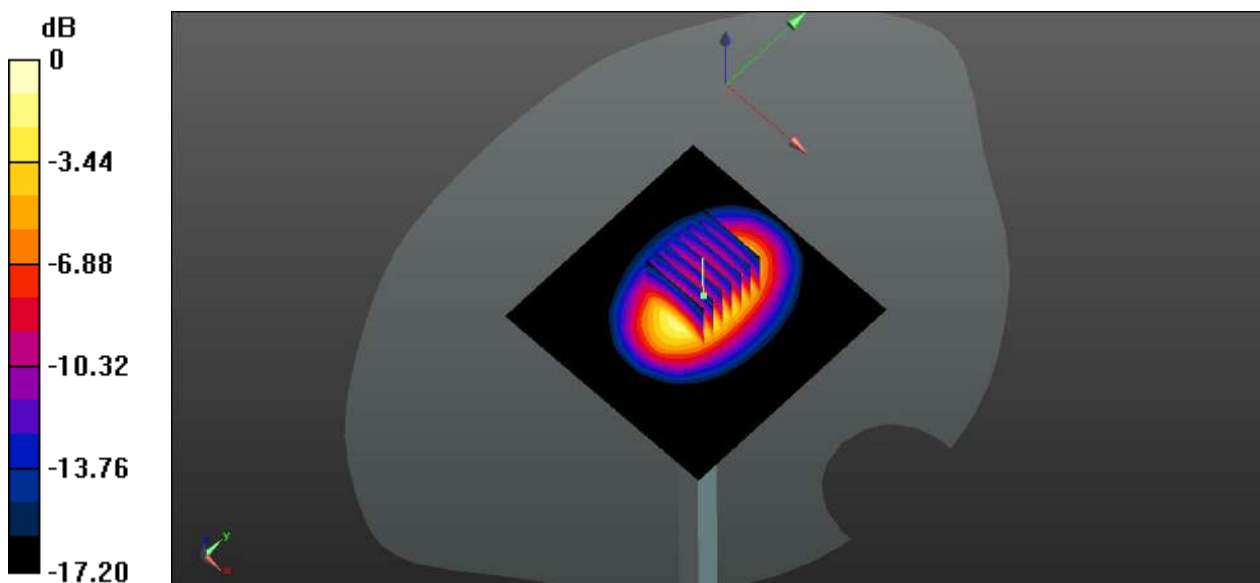
CW 1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.13 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 7.51 W/kg

SAR(1 g) = 3.96 W/kg; SAR(10 g) = 2.03 W/kg

Maximum value of SAR (measured) = 4.64 W/kg



0 dB = 4.64 W/kg

System Performance Check Data (1900MHz)

Date: 2024.05.05

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.395$ S/m; $\epsilon_r = 39.732$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.98, 8.26, 8.14); Calibrated: 2023.07.04;
- 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 1900 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.52 W/kg

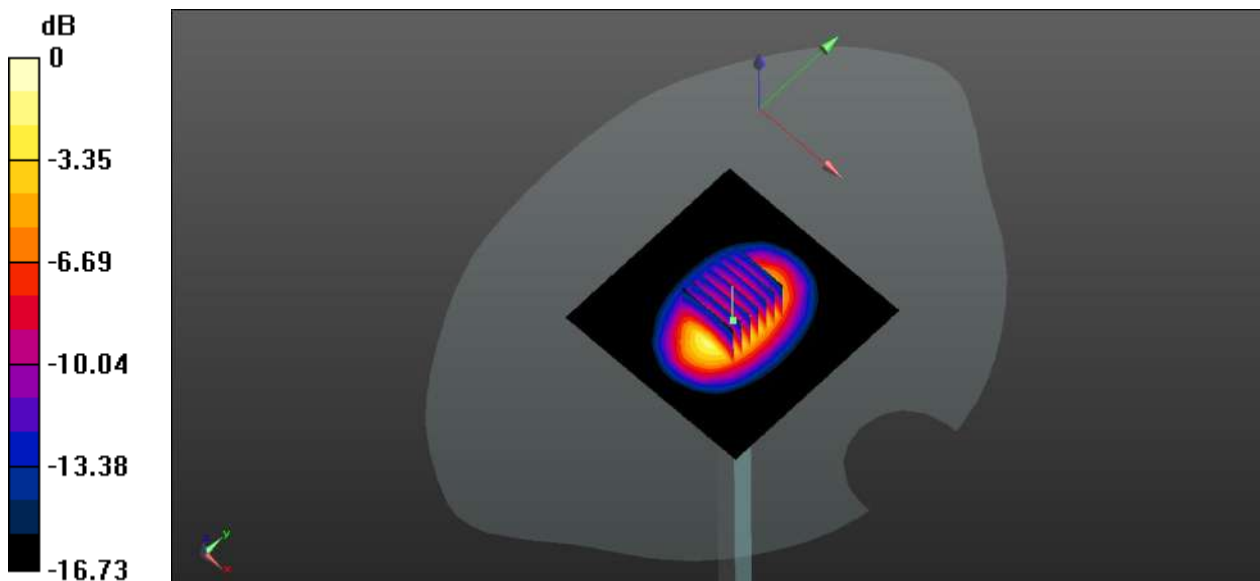
CW 1900 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.95 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 7.71 W/kg

SAR(1 g) = 4.12 W/kg; SAR(10 g) = 2.09 W/kg

Maximum value of SAR (measured) = 4.48 W/kg



0 dB = 4.48 W/kg

System Performance Check Data (2450MHz)

Date: 2024.05.09

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

Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.815 \text{ S/m}$; $\epsilon_r = 39.501$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.47, 7.76, 7.61); Calibrated: 2023.07.04;
- 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 2450/Area Scan (101x101x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 6.31 W/kg

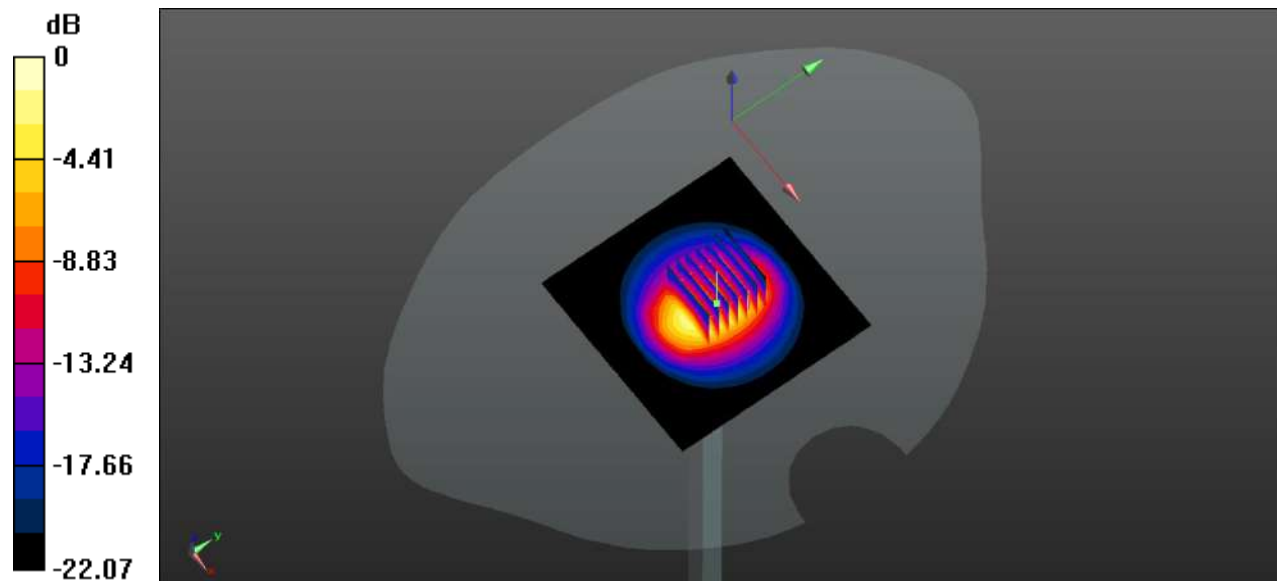
CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 58.05 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 11.7 W/kg

SAR(1 g) = 5.29 W/kg; SAR(10 g) = 2.39 W/kg

Maximum value of SAR (measured) = 6.17 W/kg



0 dB = 6.17 W/kg

System Performance Check Data (2600MHz)

Date: 2024.05.06

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

Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.967$ S/m; $\epsilon_r = 38.578$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.41, 7.73, 7.59); Calibrated: 2023.07.04;
- 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

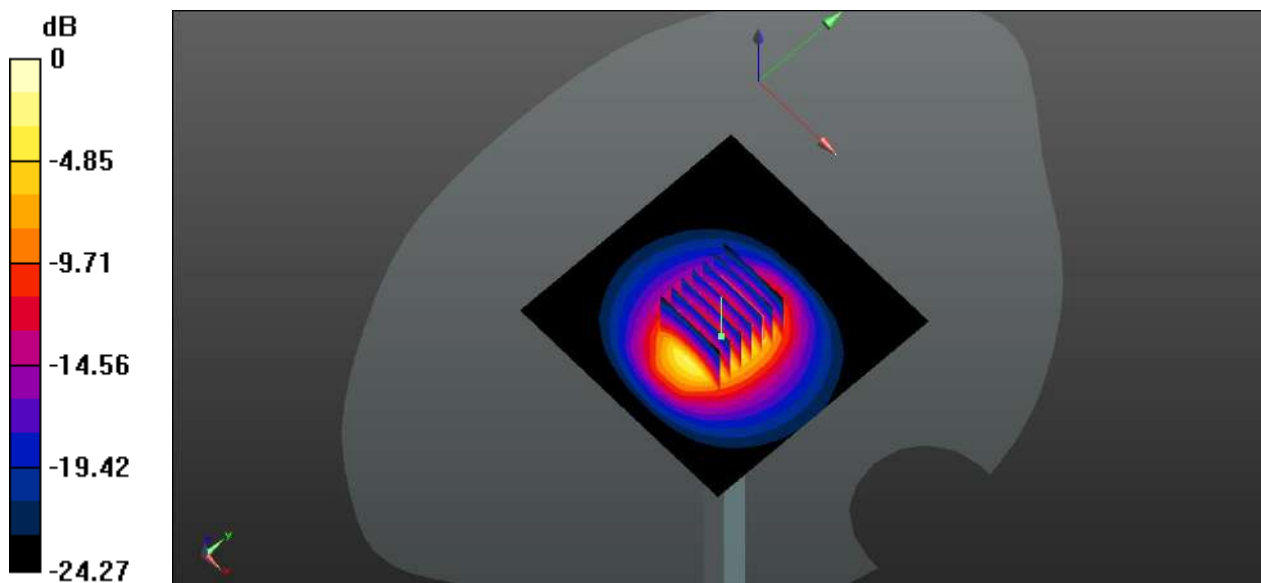
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.75 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.77 W/kg; SAR(10 g) = 2.51 W/kg

Maximum value of SAR (measured) = 6.51 W/kg



0 dB = 6.51 W/kg

System Performance Check Data (2600MHz)

Date: 2024.05.07

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

Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.970$ S/m; $\epsilon_r = 38.625$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.41, 7.73, 7.59); Calibrated: 2023.07.04;
- 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) = 6.75 W/kg

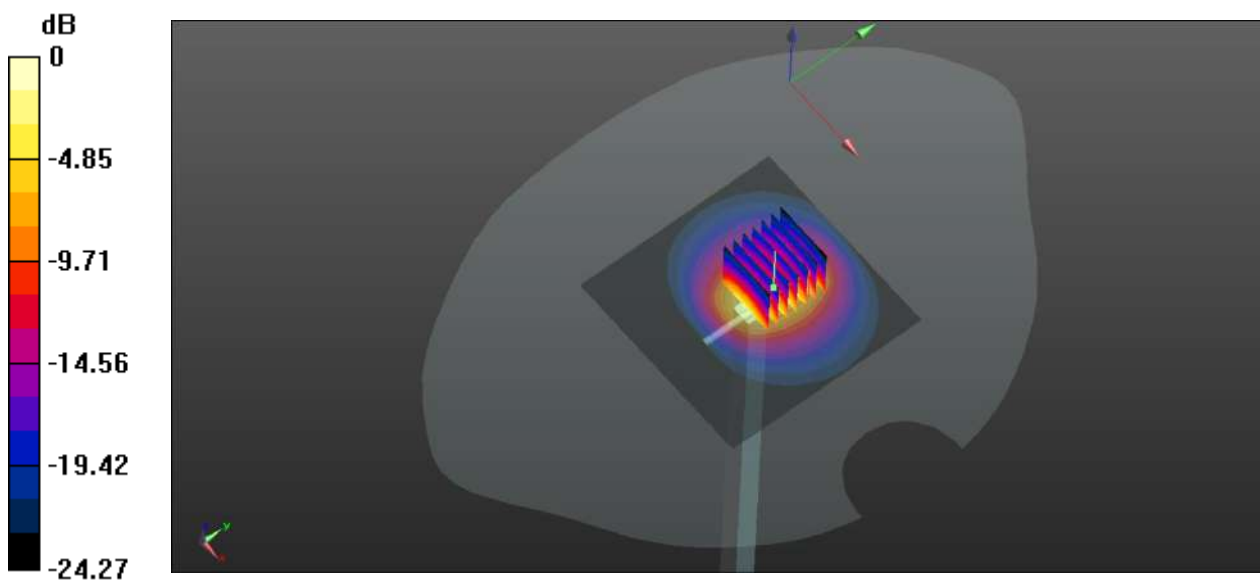
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.75 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 13.1 W/kg

SAR(1 g) = 5.82 W/kg; SAR(10 g) = 2.53 W/kg

Maximum value of SAR (measured) = 6.82 W/kg



0 dB = 6.82 W/kg

System Performance Check Data (2600MHz)

Date: 2024.05.08

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

Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.977$ S/m; $\epsilon_r = 38.570$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.8°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.41, 7.73, 7.59); Calibrated: 2023.07.04;
- 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) = 6.82 W/kg

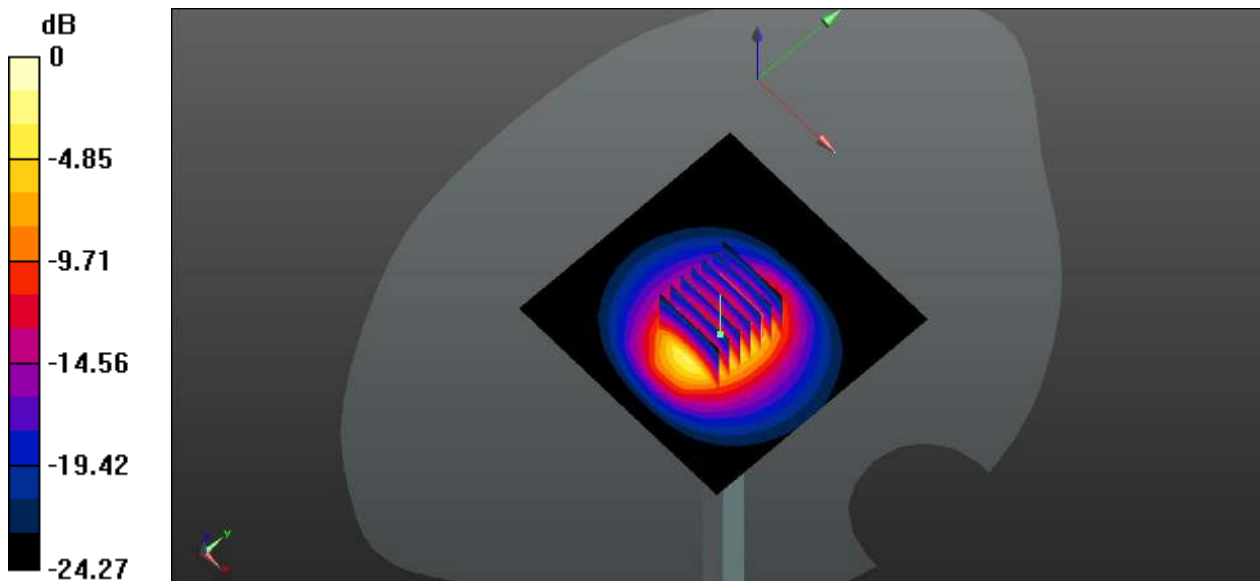
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.75 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 13.5 W/kg

SAR(1 g) = 5.67 W/kg; SAR(10 g) = 2.45 W/kg

Maximum value of SAR (measured) = 6.37 W/kg



0 dB = 6.37 W/kg

System Performance Check Data (5250MHz)

Date: 2024.05.10

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

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.705$ S/m; $\epsilon_r = 35.797$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.41, 5.73, 5.58); Calibrated: 2023.07.04;
- Sensor-Surface: 2mm (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 5250/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.38 W/kg

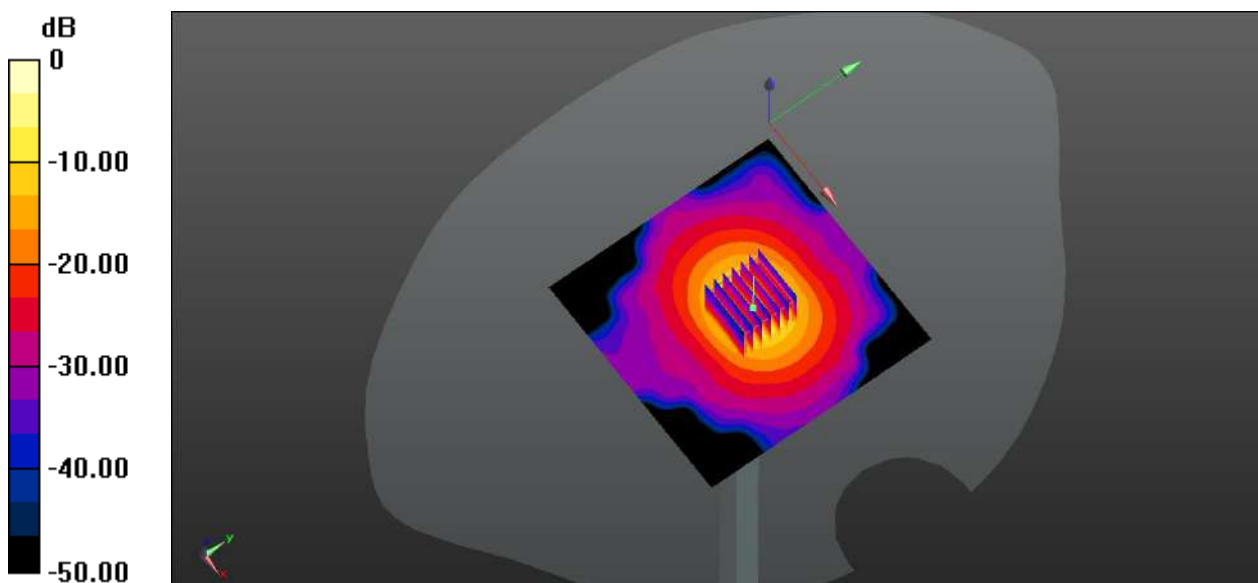
CW 5250/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

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

Peak SAR (extrapolated) = 33.2 W/kg

SAR(1 g) = 7.56 W/kg; SAR(10 g) = 2.16 W/kg

Maximum value of SAR (measured) = 19.4 W/kg



0 dB = 19.4 W/kg

System Performance Check Data (5600MHz)

Date: 2024.05.11

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.054$ S/m; $\epsilon_r = 35.172$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.58, 4.95, 4.75); Calibrated: 2023.07.04;
- Sensor-Surface: 2mm (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 5600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

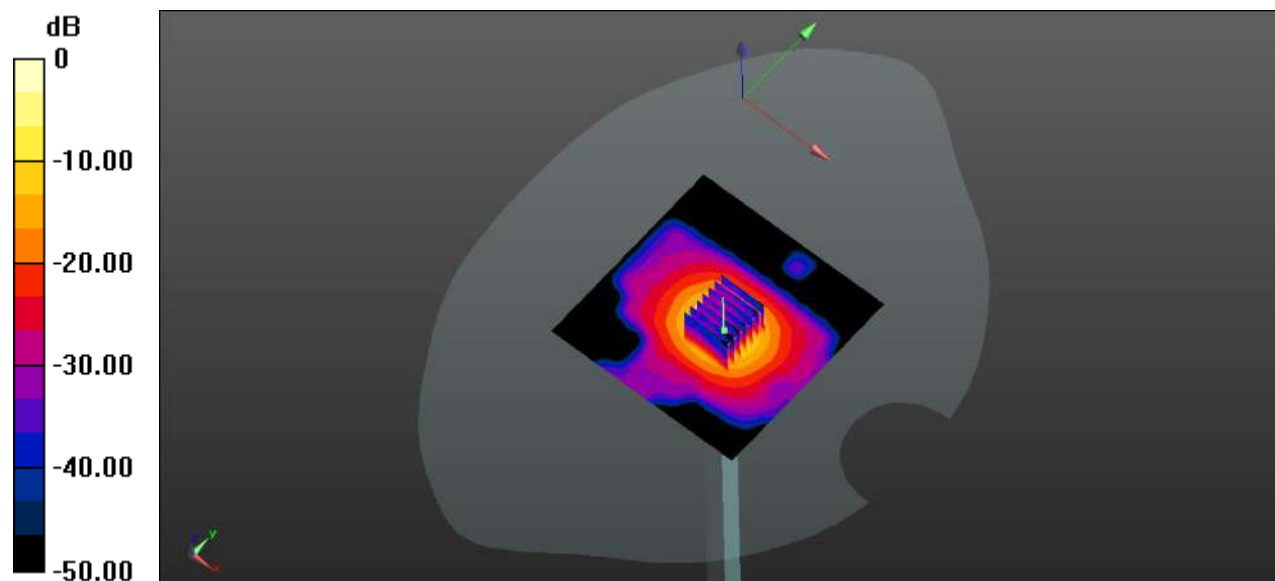
CW 5600/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 34.67 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 38.53 W/kg

SAR(1 g) = 7.96 W/kg; SAR(10 g) = 2.33 W/kg

Maximum value of SAR (measured) = 21.4 W/kg



0 dB = 21.4 W/kg

System Performance Check Data (5750MHz)

Date: 2024.05.12

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

Medium parameters used: $f = 5750 \text{ MHz}$; $\sigma = 5.178 \text{ S/m}$; $\epsilon_r = 35.569$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.78, 5.08, 4.93); Calibrated: 2023.07.04;
- Sensor-Surface: 2mm (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 5750/Area Scan (81x81x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

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

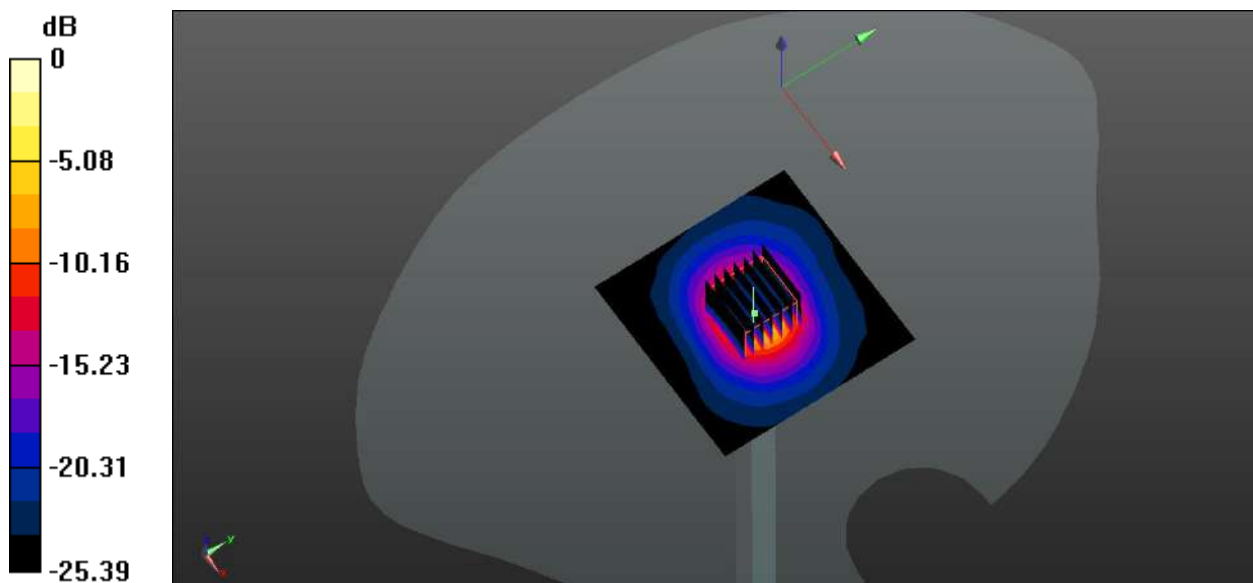
CW 5750/Zoom Scan (7x7x15)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 40.21 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 36.7 W/kg

SAR(1 g) = 7.82 W/kg; SAR(10 g) = 2.11 W/kg

Maximum value of SAR (measured) = 15.1 W/kg



0 dB = 15.1 W/kg

ANNEX C TEST DATA

Meas.1 Right Head with Cheek on Middle Channel GPRS850 3Slots mode with Antenna 1

Date: 2024.04.27

Communication System Band: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 41.911$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(9.96, 10.1, 10.15); Calibrated: 2023.07.04;
- 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) = 0.716 W/kg

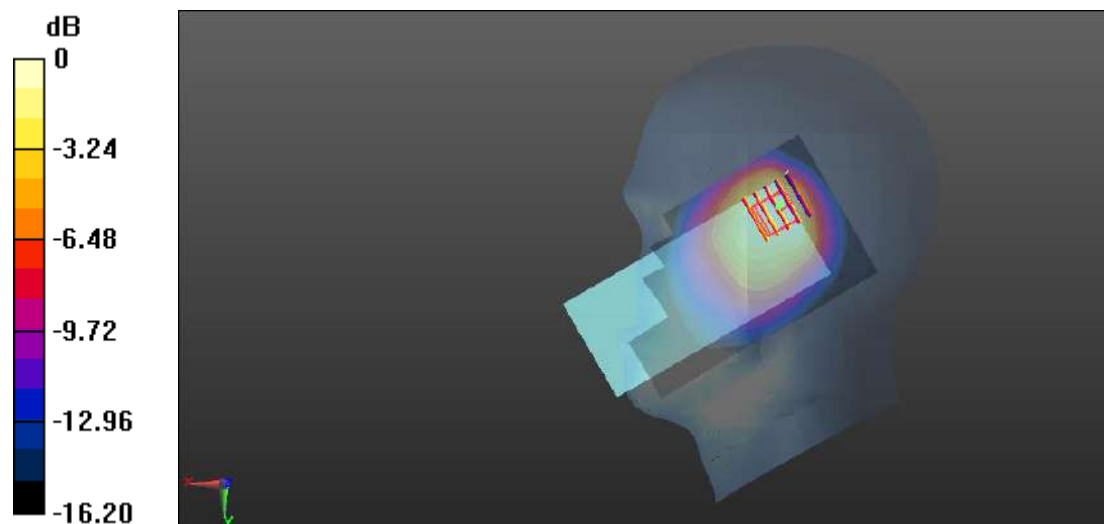
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.74 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.341 W/kg

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



0 dB = 0.545 W/kg

Meas.2 Body Plane with Back Side 15mm on Middle Channel in GPRS850 3Slots mode with Antenna 0

Date: 2024.04.27

Communication System Band: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 41.911$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(9.96, 10.1, 10.15); Calibrated: 2023.07.04;
- 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) = 0.136 W/kg

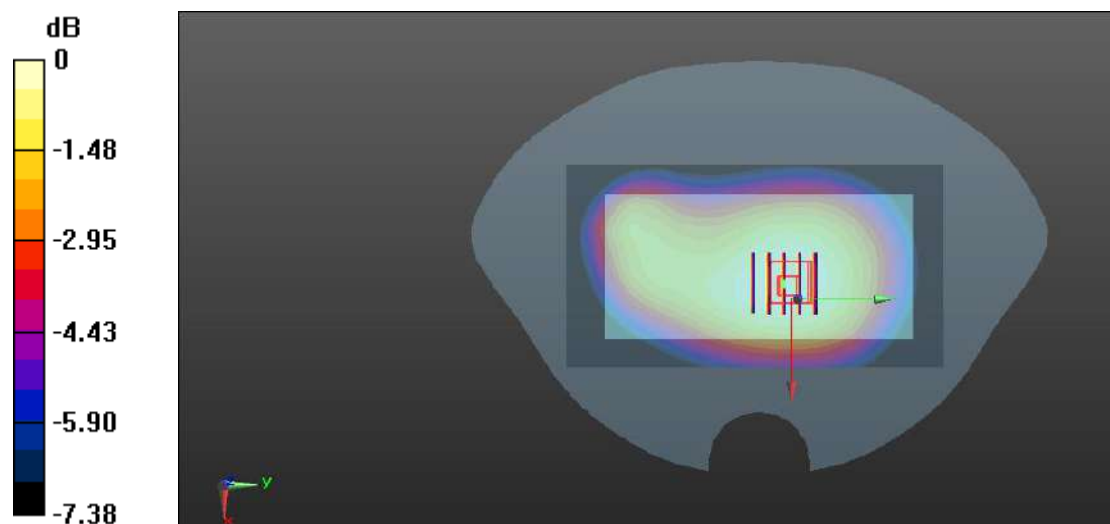
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.16 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.168 W/kg

SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.096 W/kg

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



0 dB = 0.131 W/kg

Meas.3 Body Plane with Bottom Edge 10mm on Middle Channel in GPRS850 3Slots mode With Antenna0

Date: 2024.04.27

Communication System Band: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 41.911$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(9.96, 10.1, 10.15); Calibrated: 2023.07.04;
- 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) = 0.144 W/kg

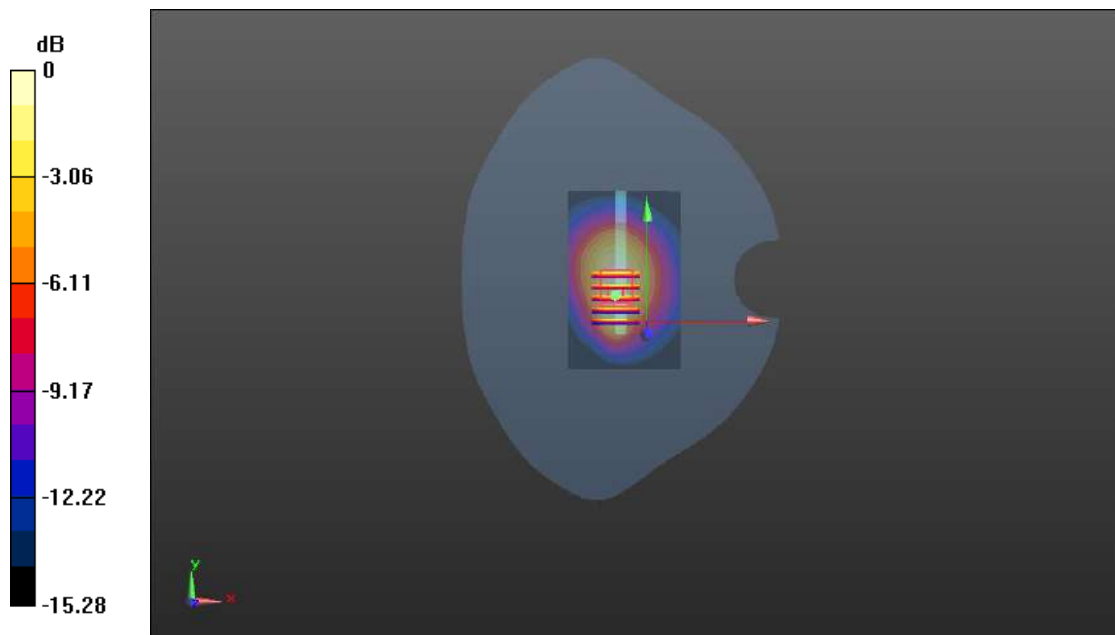
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.82 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.211 W/kg

SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.076 W/kg

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



0 dB = 0.139 W/kg

Meas.4 Right Head with Tilt on High Channel GPRS1900 3Slots mode with Antenna 1

Date: 2024.05.04

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

Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.397$ S/m; $\epsilon_r = 39.839$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.98, 8.26, 8.14); Calibrated: 2023.07.04;
- 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)

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

Maximum value of SAR (interpolated) = 0.948 W/kg

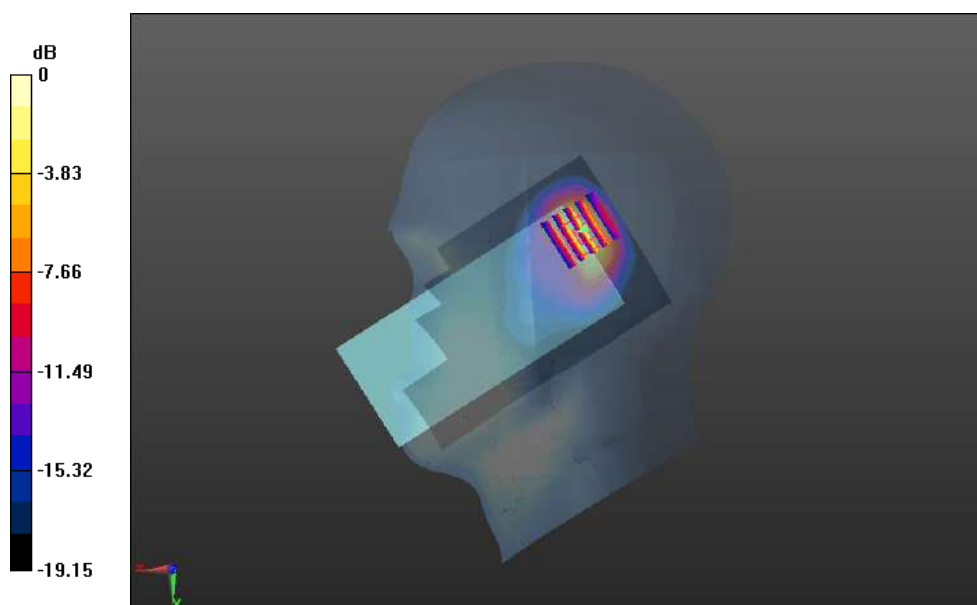
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.69 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.868 W/kg; SAR(10 g) = 0.403 W/kg

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



0 dB = 1.01 W/kg

Meas.5 Body Plane with Back Side 15mm on Middle Channel in GPRS1900 3Slots mode with Antenna 1

Date: 2024.05.04

Communication System Band: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.383$ S/m; $\epsilon_r = 40.288$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.98, 8.26, 8.14); Calibrated: 2023.07.04;
- 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) = 0.148 W/kg

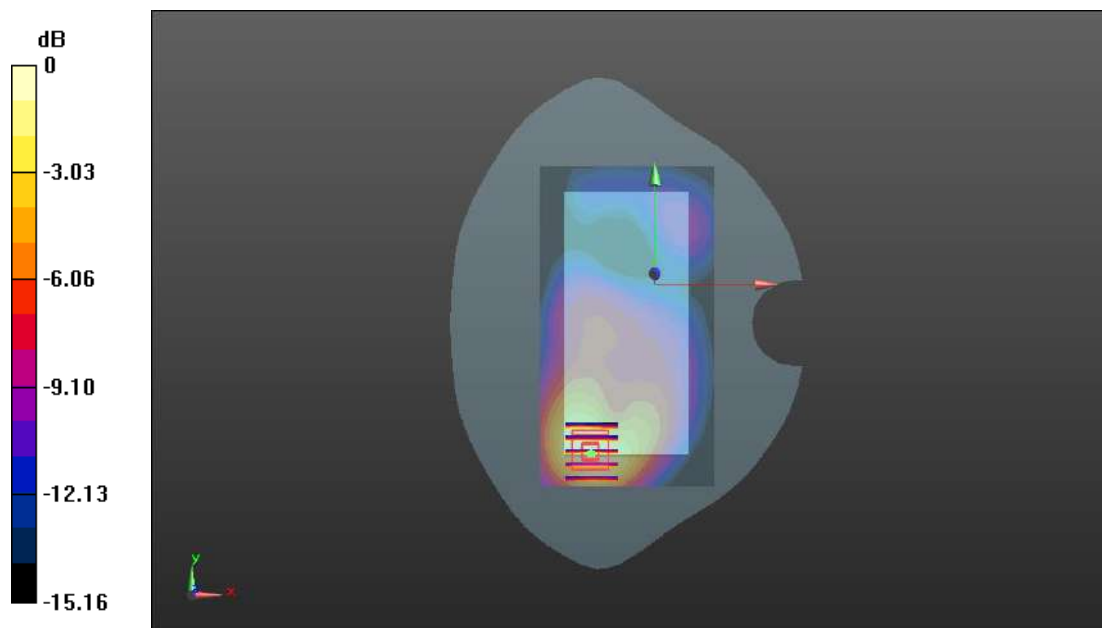
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.177 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.221 W/kg

SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.079 W/kg

Maximum value of SAR (measured) = 0.149 W/kg



0 dB = 0.149 W/kg

Meas.6 Body Plane with Top Edge 10mm on Middle Channel in GPRS1900 3Slots mode With Antenna1

Date: 2024.05.04

Communication System Band: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.383$ S/m; $\epsilon_r = 40.288$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.98, 8.26, 8.14); Calibrated: 2023.07.04;
- 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 (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.530 W/kg

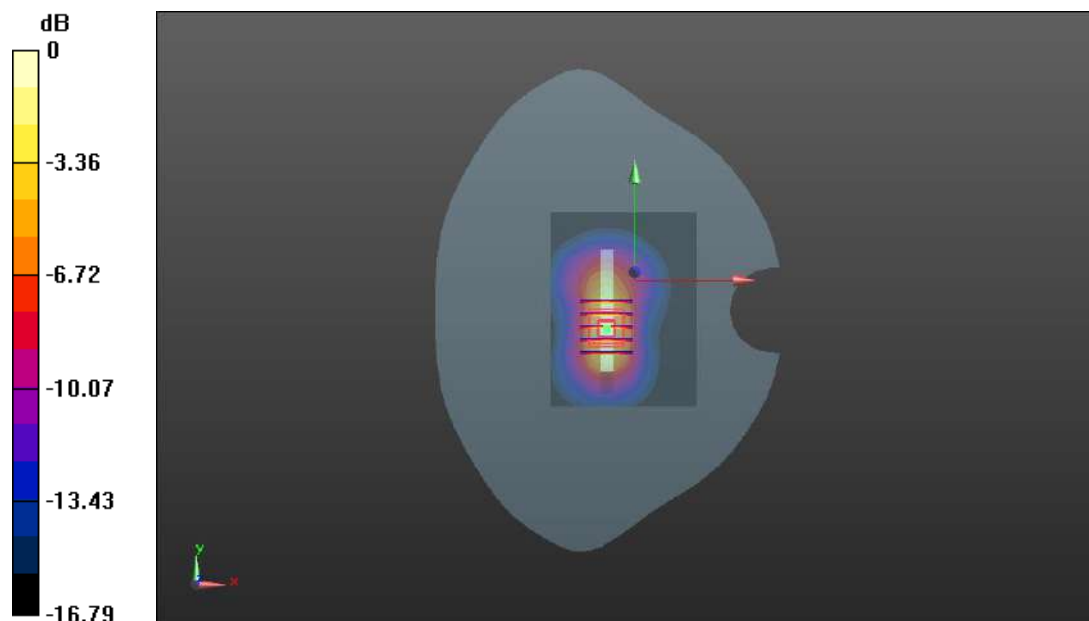
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.29 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.862 W/kg

SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.240 W/kg

Maximum value of SAR (measured) = 0.543 W/kg



0 dB = 0.543 W/kg

Meas.7 Body Plane with Top Edge 0mm on High Channel in GPRS1900 3Slots mode With Antenna1

Date: 2024.05.04

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

Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.397$ S/m; $\epsilon_r = 39.839$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.98, 8.26, 8.14); Calibrated: 2023.07.04;
- 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)

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

Maximum value of SAR (interpolated) = 5.43 W/kg

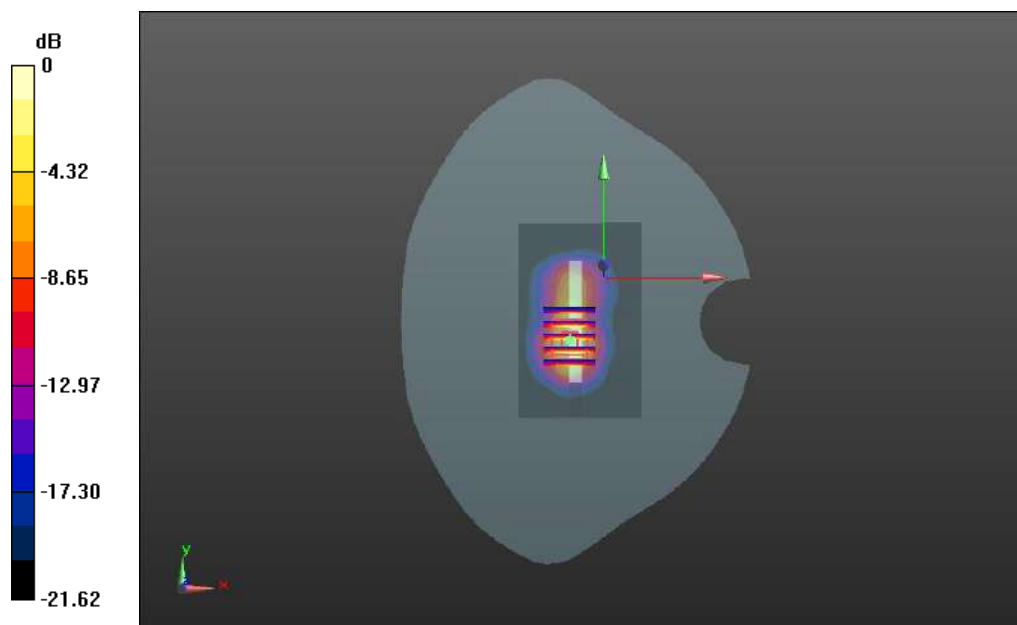
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.45 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 4.62 W/kg; SAR(10 g) = 1.92 W/kg

Maximum value of SAR (measured) = 5.81 W/kg



0 dB = 5.81 W/kg

Meas.8 Right Head with Tilted on Middle Channel WCDMA Band2 mode with Antenna 1

Date: 2024.05.04

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.383$ S/m; $\epsilon_r = 40.288$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.98, 8.26, 8.14); Calibrated: 2023.07.04;
- 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) = 1.02 W/kg

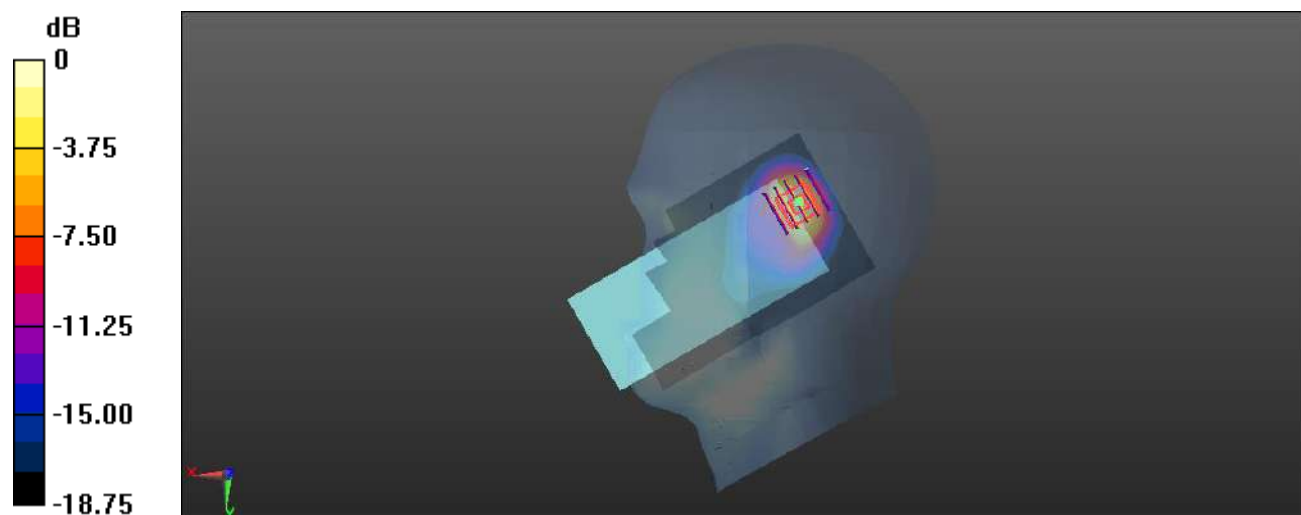
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.77 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 0.949 W/kg; SAR(10 g) = 0.442 W/kg

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



0 dB = 1.11 W/kg

Meas.9 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band2 mode with Antenna 0

Date: 2024.05.04

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.383$ S/m; $\epsilon_r = 40.288$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.98, 8.26, 8.14); Calibrated: 2023.07.04;
- 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) = 0.356 W/kg

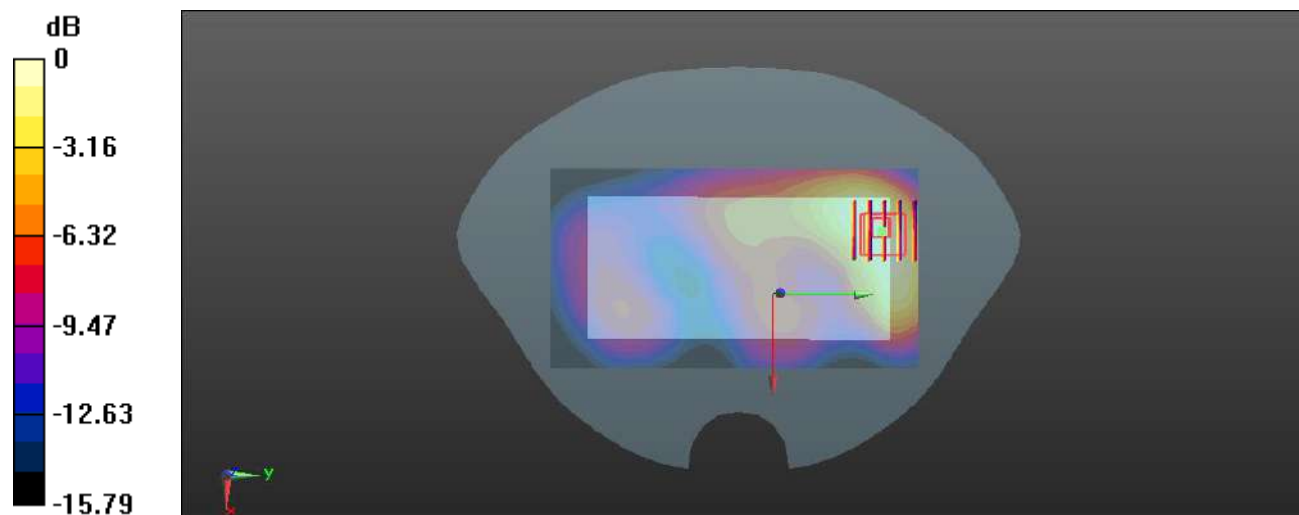
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.550 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.510 W/kg

SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.188 W/kg

Maximum value of SAR (measured) = 0.339 W/kg



0 dB = 0.339 W/kg

Meas.10 Body Plane with Bottom Edge 10mm on Middle Channel in WCDMA Band2 mode With Antenna0

Date: 2024.05.04

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.383$ S/m; $\epsilon_r = 40.288$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.98, 8.26, 8.14); Calibrated: 2023.07.04;
- 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 (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.995 W/kg

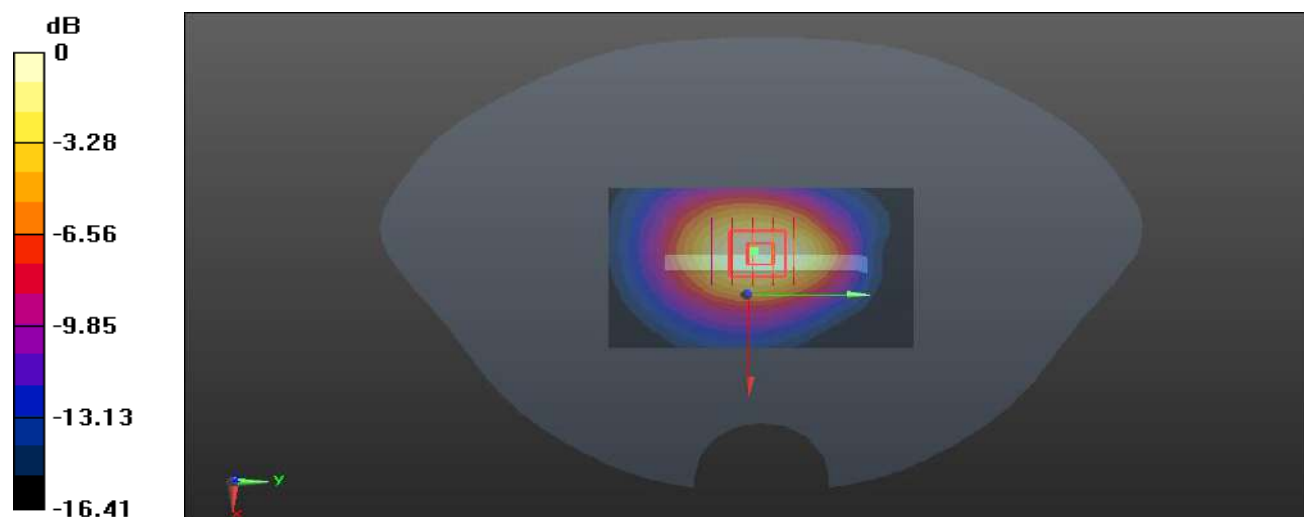
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.57 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.838 W/kg; SAR(10 g) = 0.475 W/kg

Maximum value of SAR (measured) = 0.915 W/kg



0 dB = 0.426 W/kg

Meas.11 Body Plane with Top Edge 0mm on Low Channel in WCDMA Band2 mode With Antenna1

Date: 2024.05.04

Communication System Band: Band 2; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.383$ S/m; $\epsilon_r = 40.288$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.98, 8.26, 8.14); Calibrated: 2023.07.04;
- 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)

Ch9262/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.81 W/kg

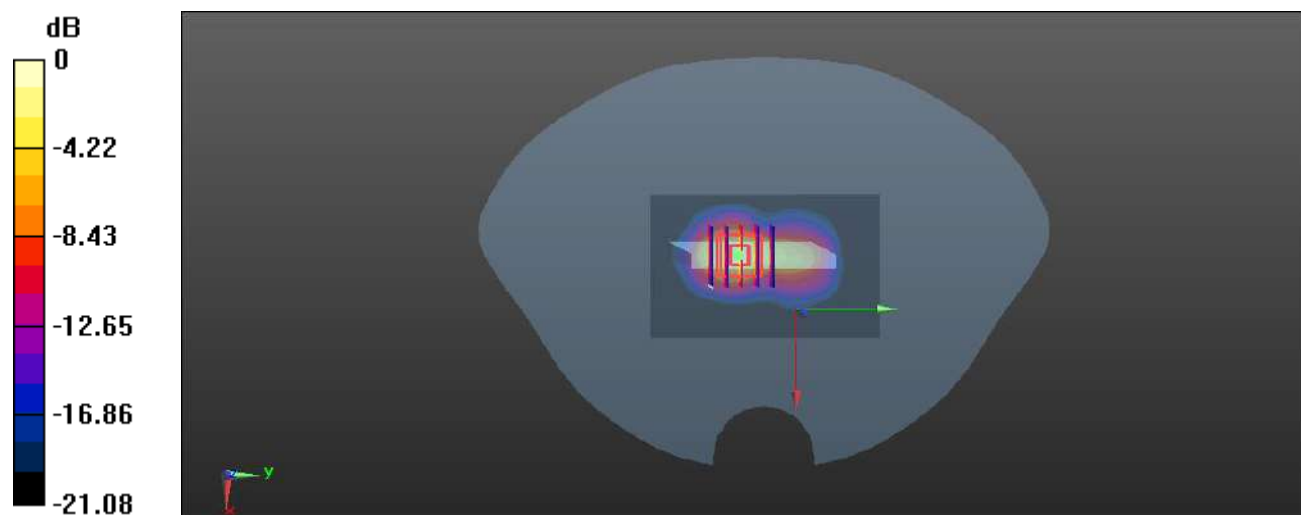
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 51.91 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 4.88 W/kg; SAR(10 g) = 1.98 W/kg

Maximum value of SAR (measured) = 6.19 W/kg



0 dB = 6.19 W/kg

Meas.12 Right Head with Tilted on High Channel WCDMA Band4 mode with Antenna 1

Date: 2024.04.30

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

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 40.129$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.52, 8.91, 8.76); Calibrated: 2023.07.04;
- 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)

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

Maximum value of SAR (interpolated) = 0.940 W/kg

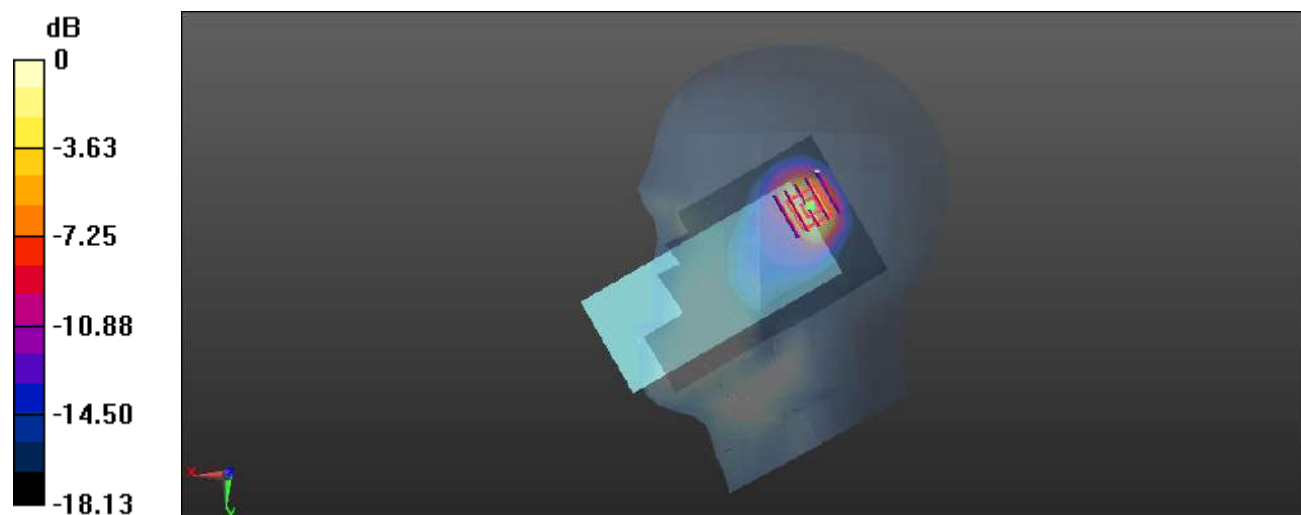
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.61 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 0.864 W/kg; SAR(10 g) = 0.411 W/kg

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



0 dB = 1.03 W/kg

Meas.13 Body Plane with Back Side 15mm on Low Channel in WCDMA Band4 mode with Antenna 0

Date: 2024.04.30

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

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.336$ S/m; $\epsilon_r = 40.736$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.52, 8.91, 8.76); Calibrated: 2023.07.04;
- 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) = 0.200 W/kg

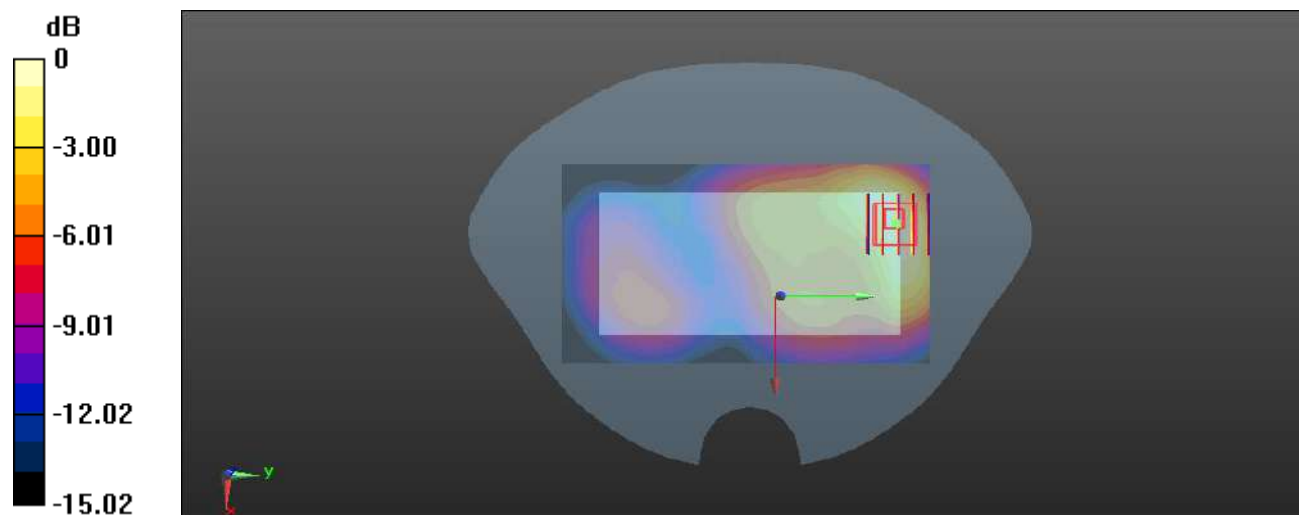
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.588 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.295 W/kg

SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.108 W/kg

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



0 dB = 0.194 W/kg

Meas.14 Body Plane with Bottom Edge 10mm on Low Channel in WCDMA Band4 mode With Antenna 0

Date: 2024.04.30

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

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.336$ S/m; $\epsilon_r = 40.736$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.52, 8.91, 8.76); Calibrated: 2023.07.04;
- 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) = 0.833 W/kg

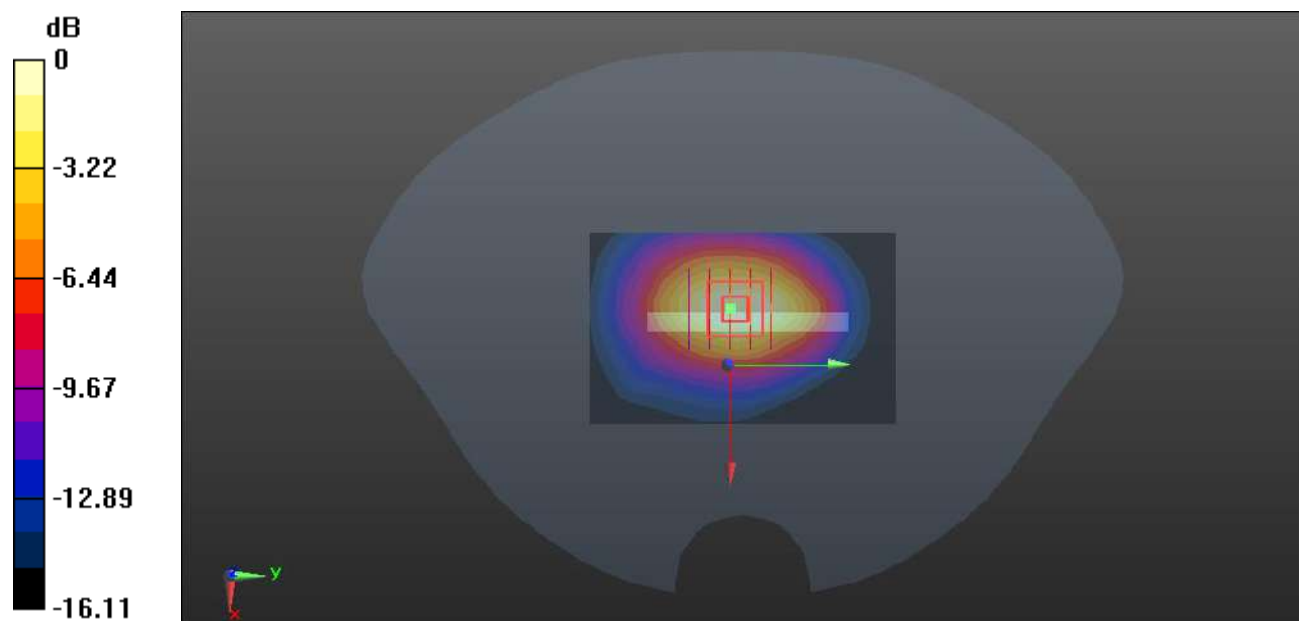
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.23 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.716 W/kg; SAR(10 g) = 0.407 W/kg

Maximum value of SAR (measured) = 0.792 W/kg



0 dB = 0.792 W/kg

Meas.15 Body Plane with Bottom Edge 0mm on High Channel in WCDMA Band4 mode With Antenna 0

Date: 2024.04.30

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

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 40.129$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.52, 8.91, 8.76); Calibrated: 2023.07.04;
- 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)

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

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

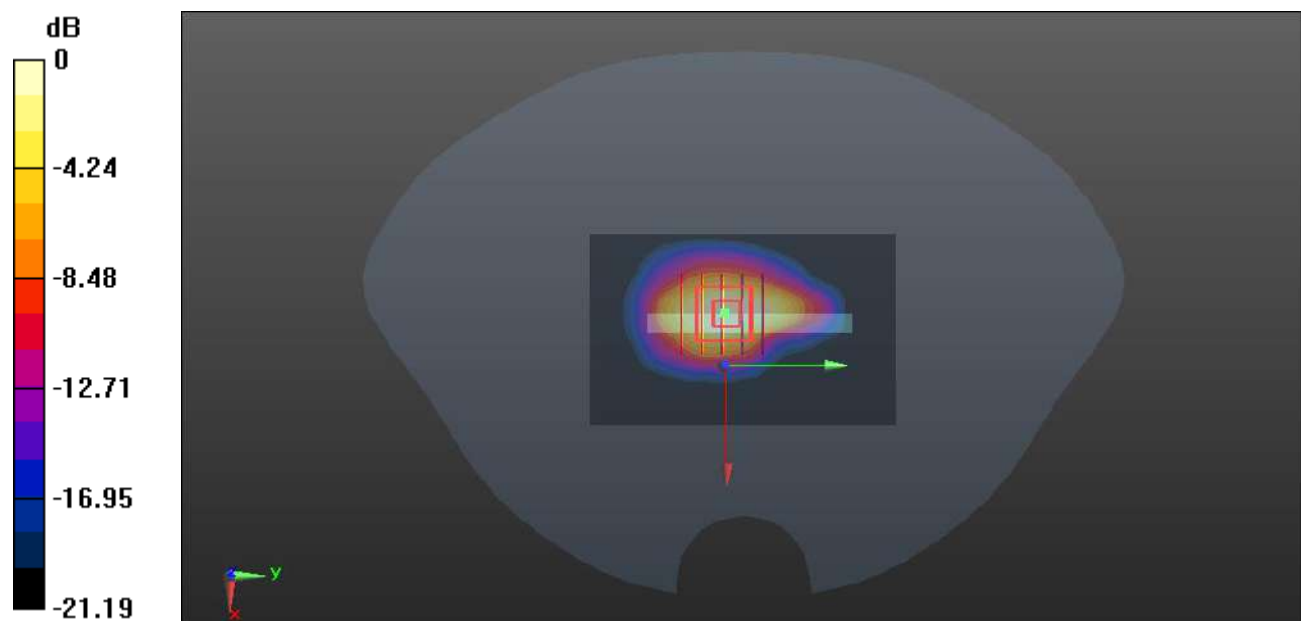
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.50 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 8.12 W/kg

SAR(1 g) = 4.08 W/kg; SAR(10 g) = 1.96 W/kg

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



0 dB = 4.70 W/kg

Meas.16 Right Head with Cheek on Middle Channel WCDMA Band5 mode with Antenna 1

Date: 2024.04.27

Communication System Band: Band 5; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 41.911$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(9.96, 10.1, 10.15); Calibrated: 2023.07.04;
- 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)

Ch4182/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

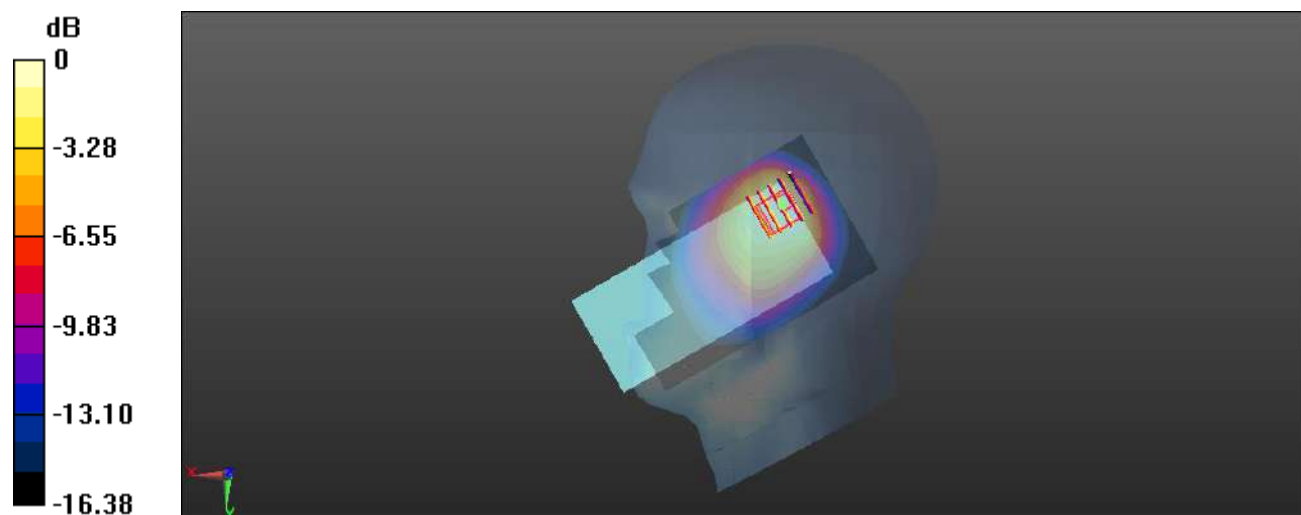
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.91 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.450 W/kg

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



0 dB = 0.729 W/kg

Meas.17 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band5 mode with Antenna 0

Date: 2024.04.27

Communication System Band: Band 5; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 41.911$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(9.96, 10.1, 10.15); Calibrated: 2023.07.04;
- 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)

Ch4182 2/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0767 W/kg

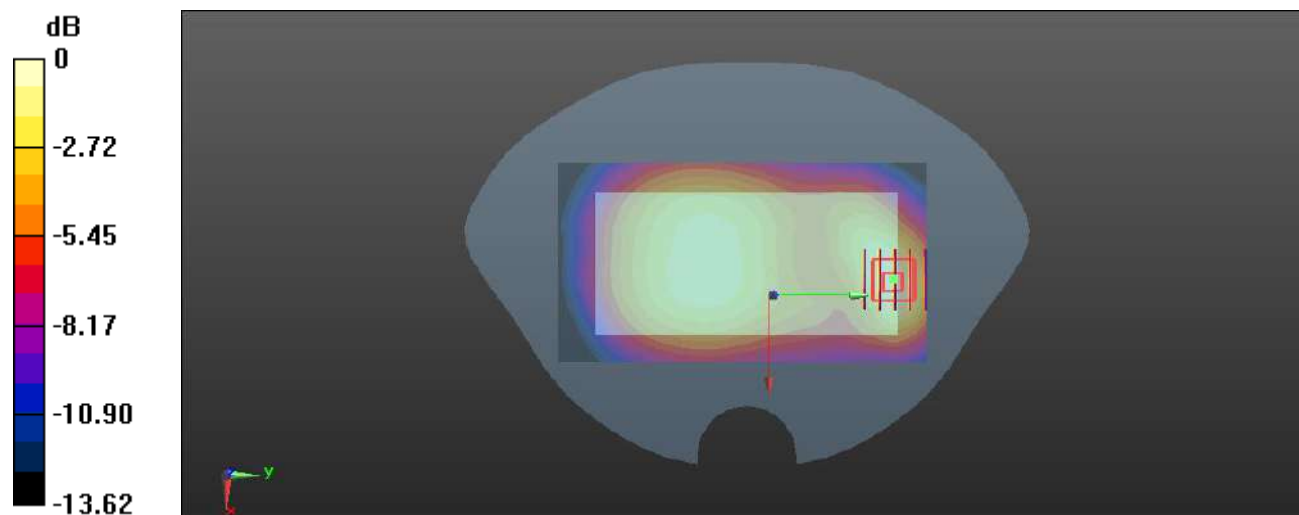
Ch4182 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.549 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.115 W/kg

SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.044 W/kg

Maximum value of SAR (measured) = 0.0791 W/kg



0 dB = 0.0791 W/kg

Meas.18 Body Plane with Back Side 10mm on Middle Channel in WCDMA Band5 mode with Antenna 0

Date: 2024.04.27

Communication System Band: Band 5; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 41.911$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(9.96, 10.1, 10.15); Calibrated: 2023.07.04;
- 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)

Ch4182/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

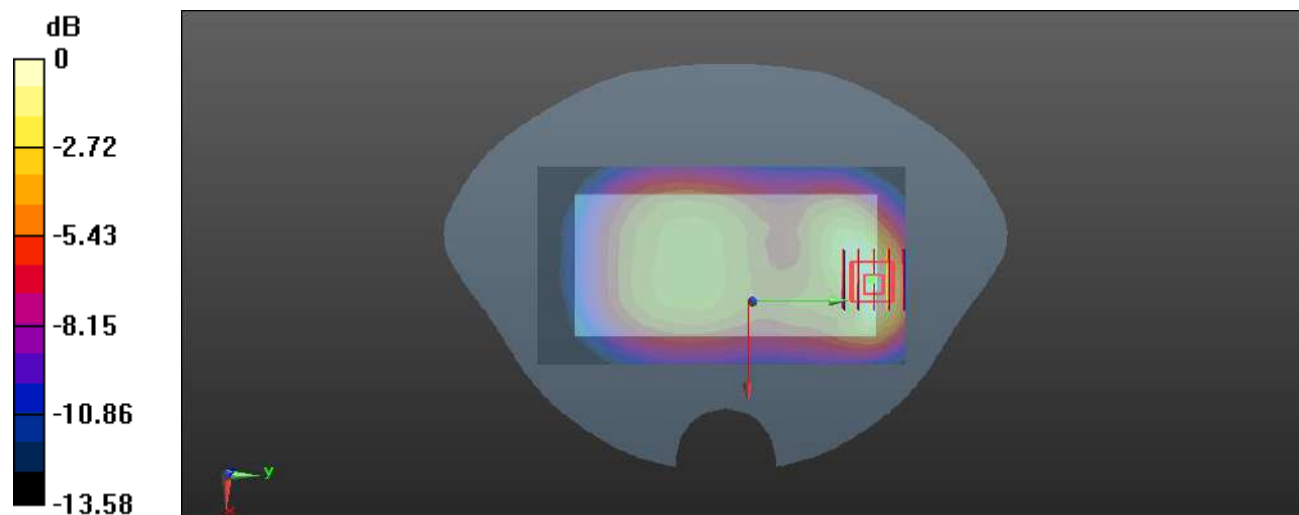
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.772 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.246 W/kg

SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.084 W/kg

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



0 dB = 0.158 W/kg

Meas.19 Right Head with Tilted on High Channel LTE Band2 mode with Antenna 1

Date: 2024.05.05

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.395$ S/m; $\epsilon_r = 39.732$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.98, 8.26, 8.14); Calibrated: 2023.07.04;
- 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)

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

Maximum value of SAR (interpolated) = 0.953 W/kg

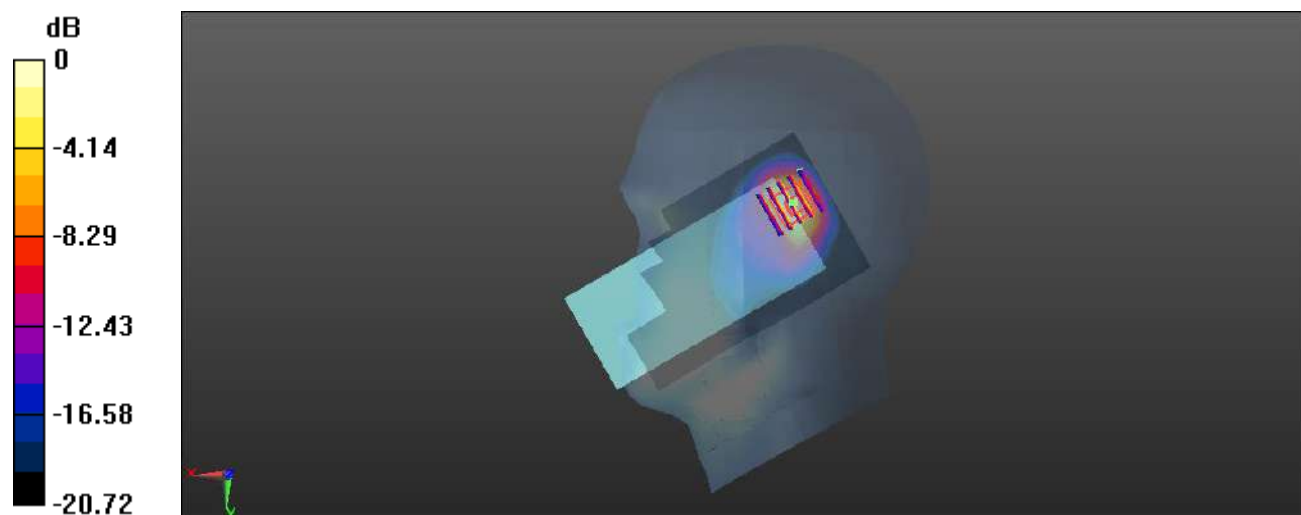
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.69 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.413 W/kg

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



0 dB = 1.10 W/kg

Meas.20 Body Plane with Back Side 15mm on High Channel in LTE Band2 mode with Antenna 0

Date: 2024.05.05

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.395$ S/m; $\epsilon_r = 39.732$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.98, 8.26, 8.14); Calibrated: 2023.07.04;
- 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)

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

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

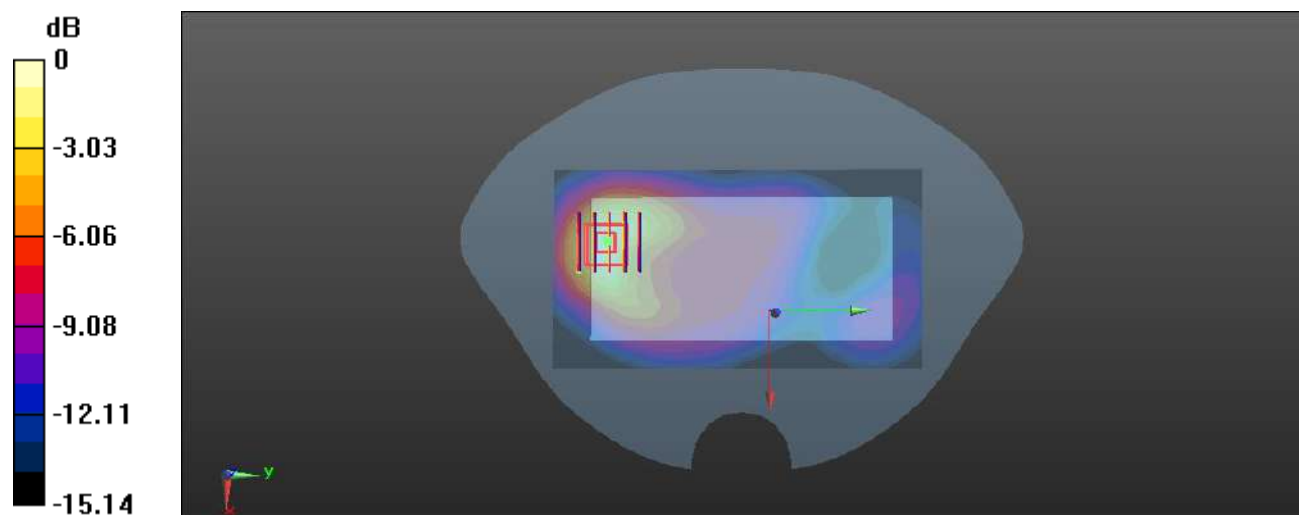
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.444 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.363 W/kg

SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.126 W/kg

Maximum value of SAR (measured) = 0.243 W/kg



0 dB = 0.243 W/kg

Meas.21 Body Plane with Top Edge 10mm on High Channel in LTE Band2 mode With Antenna1

Date: 2024.05.5

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.395$ S/m; $\epsilon_r = 39.732$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.98, 8.26, 8.14); Calibrated: 2023.07.04;
- 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)

Ch19100/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

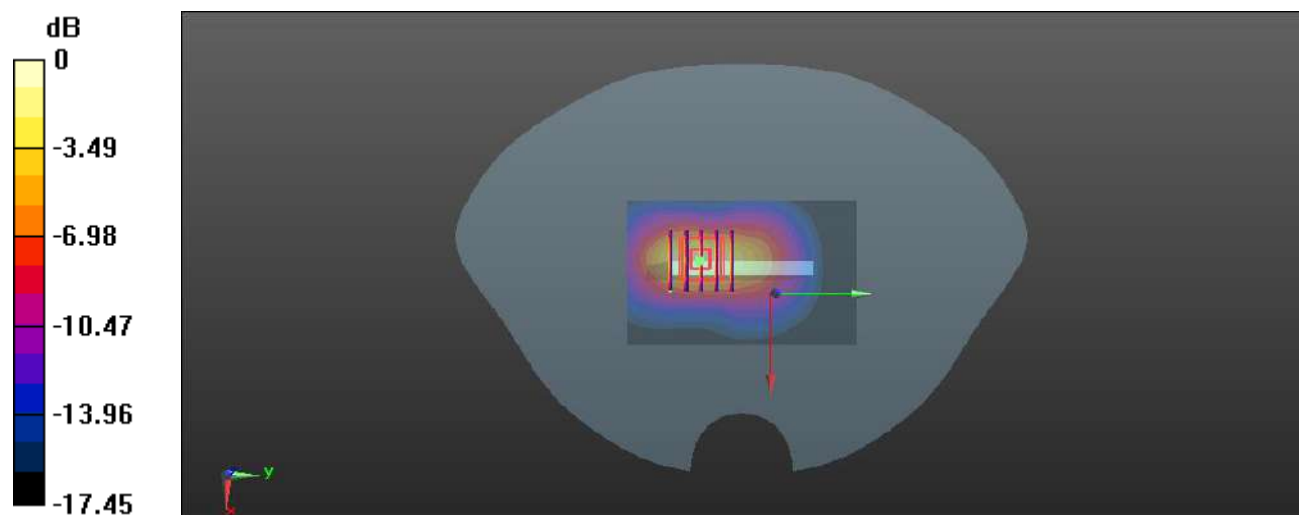
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.66 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.881 W/kg

SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.238 W/kg

Maximum value of SAR (measured) = 0.534 W/kg



0 dB = 0.534 W/kg

Meas.22 Right Head with Tilted on Middle Channel LTE Band4 mode with Antenna 1

Date: 2024.05.02

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.359$ S/m; $\epsilon_r = 40.248$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.52, 8.91, 8.76); Calibrated: 2023.07.04;
- 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) = 0.557 W/kg

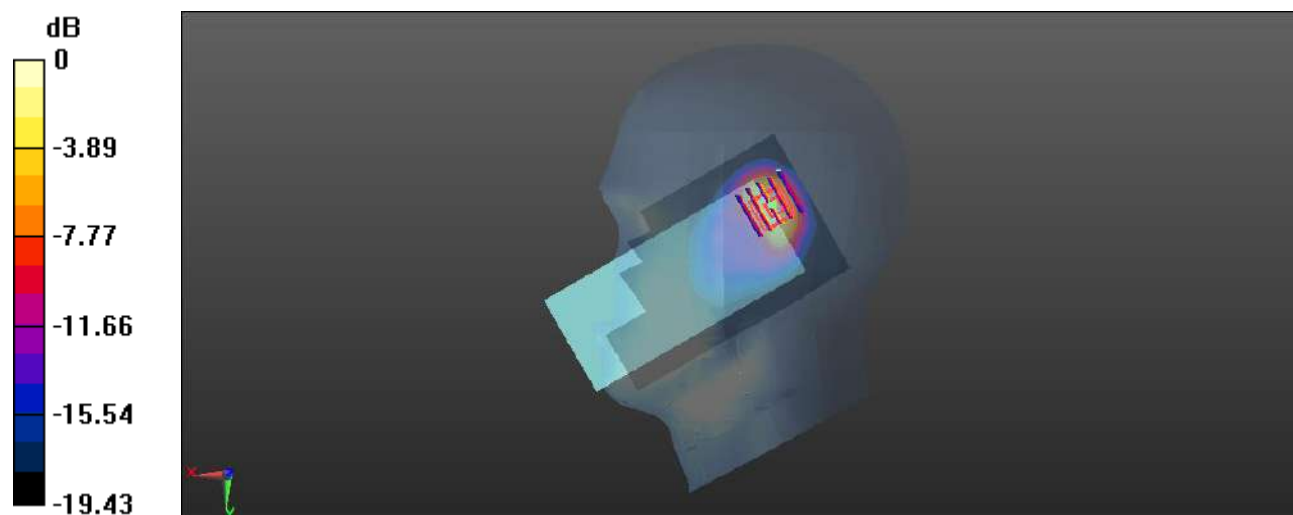
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.46 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.508 W/kg; SAR(10 g) = 0.233 W/kg

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



0 dB = 0.594 W/kg

Meas.23 Body Plane with Back Side 15mm on Middle Channel in LTE Band4 mode with Antenna 0

Date: 2024.05.02

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.359$ S/m; $\epsilon_r = 40.248$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.52, 8.91, 8.76); Calibrated: 2023.07.04;
- 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) = 0.196 W/kg

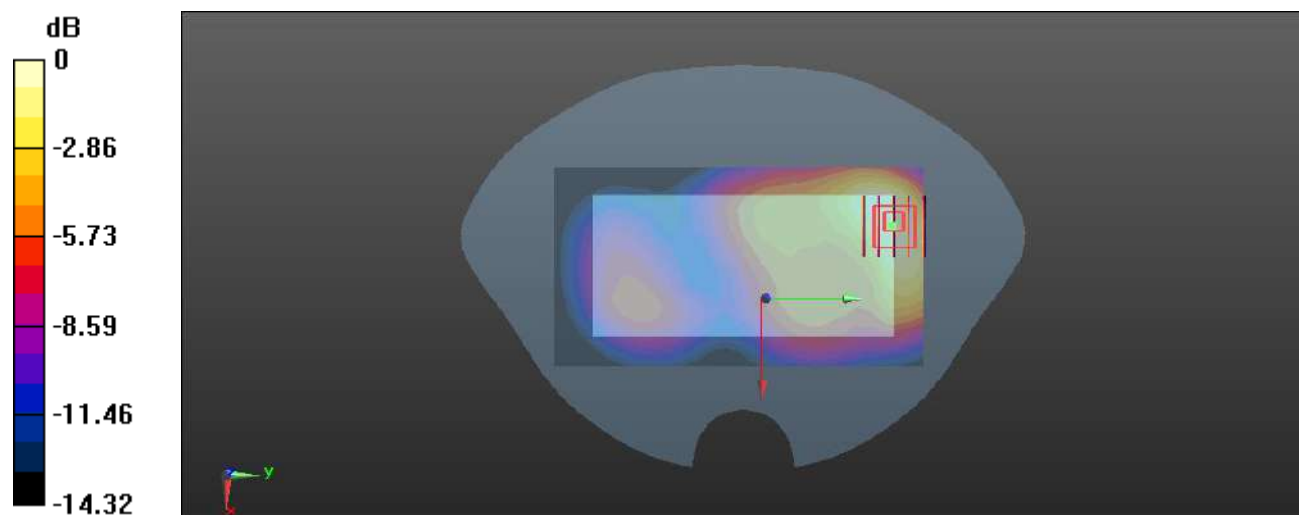
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.170 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.298 W/kg

SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.109 W/kg

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



0 dB = 0.191 W/kg

Meas.24 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band4 mode With Antenna 0

Date: 2024.05.02

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.359$ S/m; $\epsilon_r = 40.248$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.52, 8.91, 8.76); Calibrated: 2023.07.04;
- 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) = 0.472 W/kg

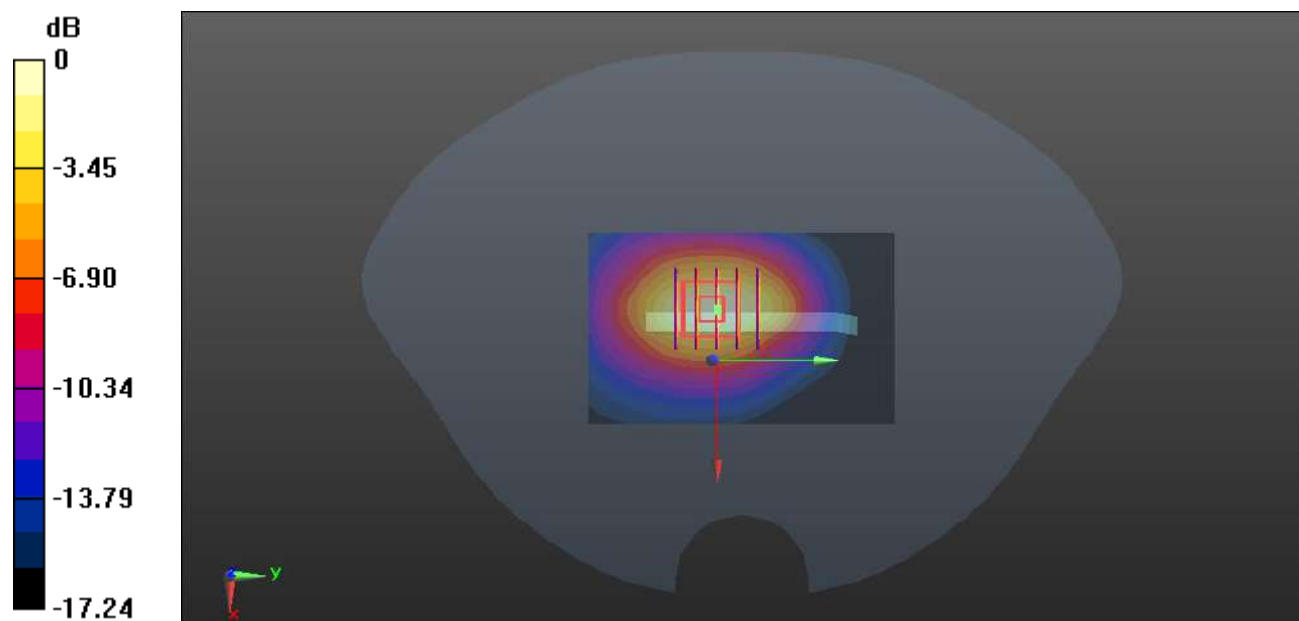
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.78 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.713 W/kg

SAR(1 g) = 0.439 W/kg; SAR(10 g) = 0.251 W/kg

Maximum value of SAR (measured) = 0.483 W/kg



0 dB = 0.483 W/kg

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

Date: 2024.05.02

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.359$ S/m; $\epsilon_r = 40.248$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.52, 8.91, 8.76); Calibrated: 2023.07.04;
- 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) = 4.95 W/kg

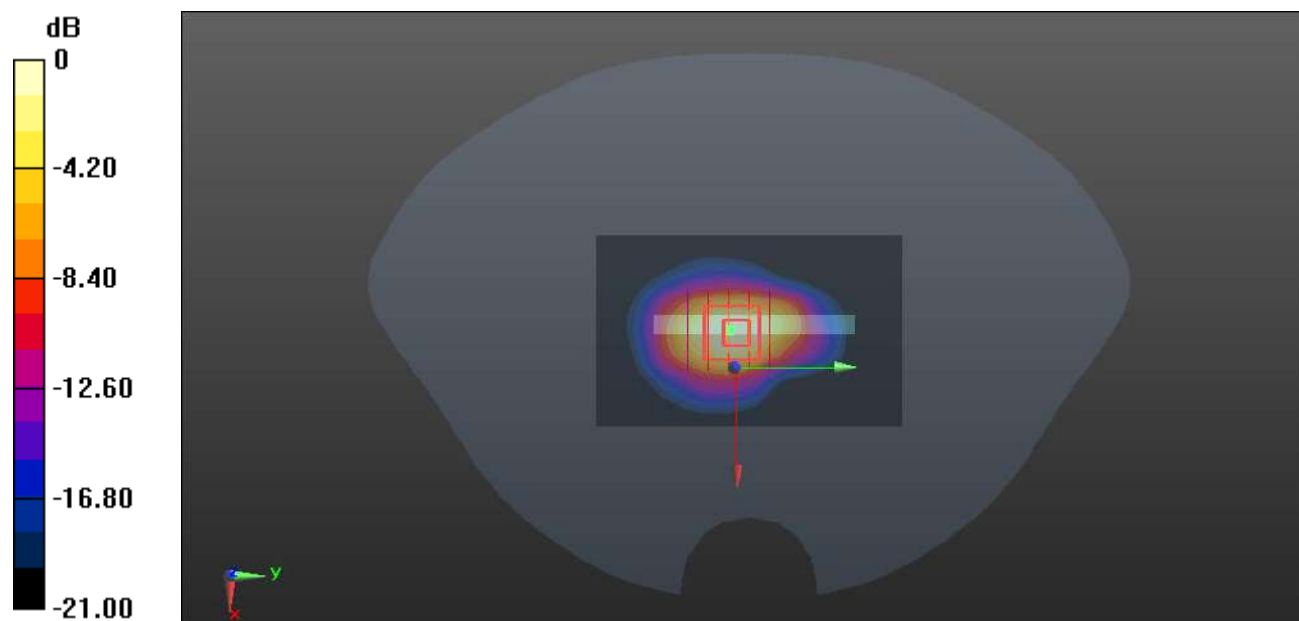
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.39 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 6.52 W/kg

SAR(1 g) = 3.31 W/kg; SAR(10 g) = 1.6 W/kg

Maximum value of SAR (measured) = 3.77 W/kg



0 dB = 3.77 W/kg

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

Date: 2024.04.29

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

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 41.845$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(9.96, 10.1, 10.15); Calibrated: 2023.07.04;
- 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)

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

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

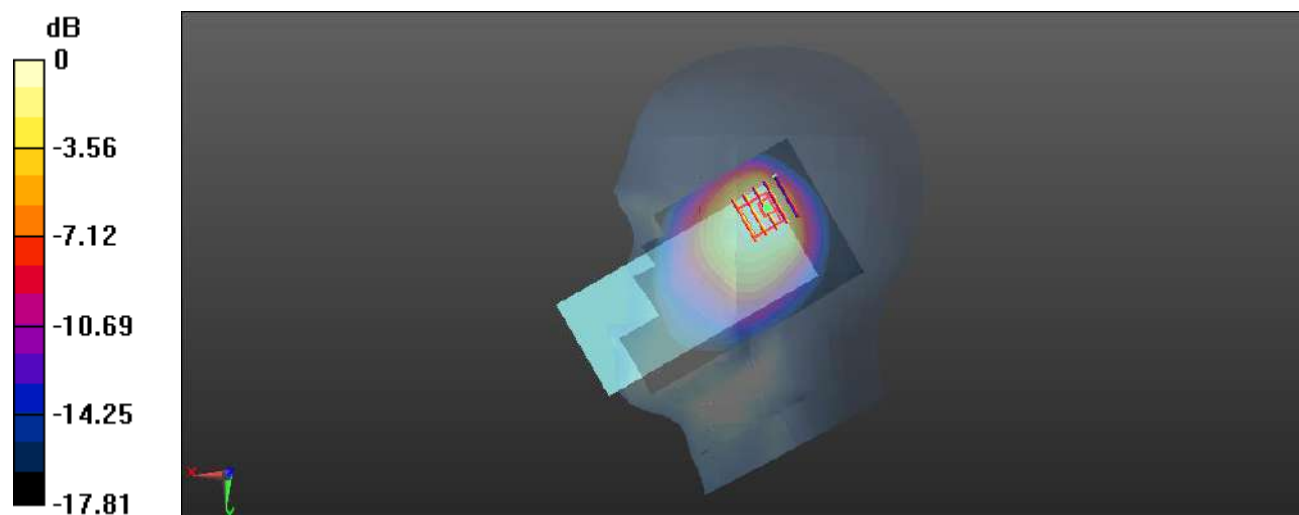
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.84 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.688 W/kg; SAR(10 g) = 0.424 W/kg

Maximum value of SAR (measured) = 0.718 W/kg



0 dB = 0.718 W/kg

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

Date: 2024.04.29

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

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 41.845$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(9.96, 10.1, 10.15); Calibrated: 2023.07.04;
- 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)

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

Maximum value of SAR (interpolated) = 0.123 W/kg

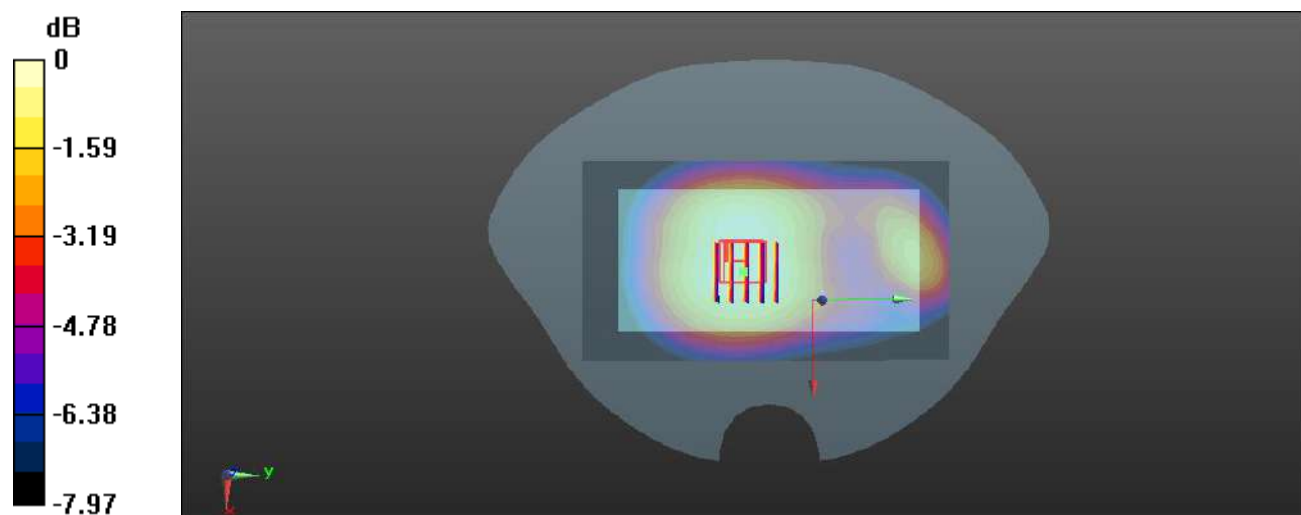
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.60 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.151 W/kg

SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.089 W/kg

Maximum value of SAR (measured) = 0.124 W/kg



0 dB = 0.124 W/kg

Meas.28 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band5 mode With Antenna0

Date: 2024.04.29

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

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 41.845$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(9.96, 10.1, 10.15); Calibrated: 2023.07.04;
- 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)

Ch20525/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.326 W/kg

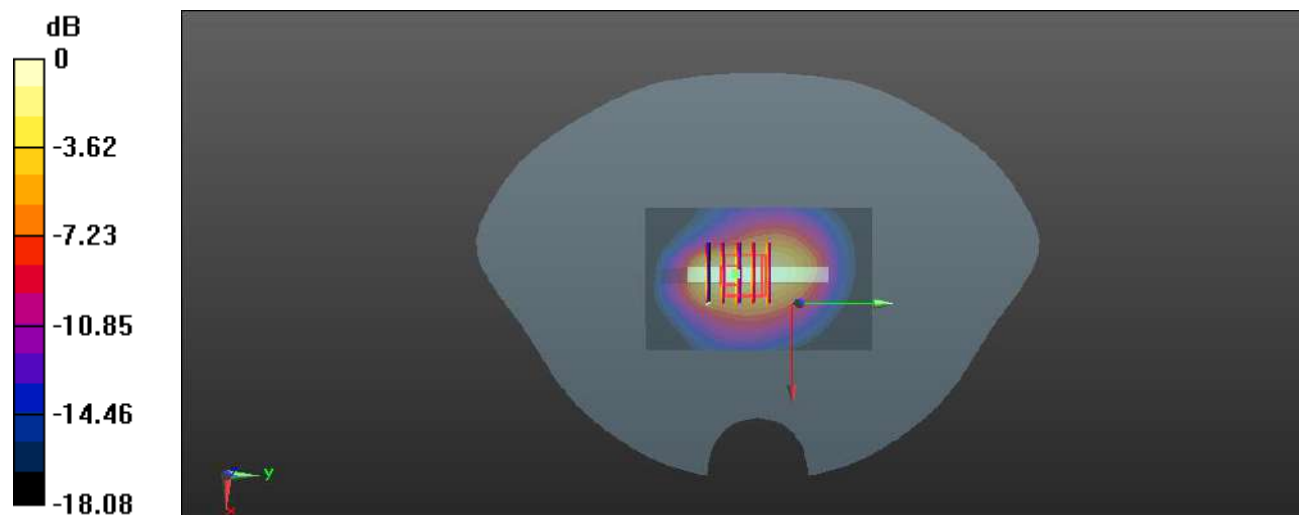
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.84 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.724 W/kg

SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.160 W/kg

Maximum value of SAR (measured) = 0.372 W/kg



0 dB = 0.372 W/kg

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

Date: 2024.05.06

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

Medium parameters used (interpolated): $f = 2535 \text{ MHz}$; $\sigma = 1.967 \text{ S/m}$; $\epsilon_r = 38.578$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Ambient Temperature:22.5°C Liquid Temperature:21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.41, 7.73, 7.59); Calibrated: 2023.07.04;
- 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)

Ch21100/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

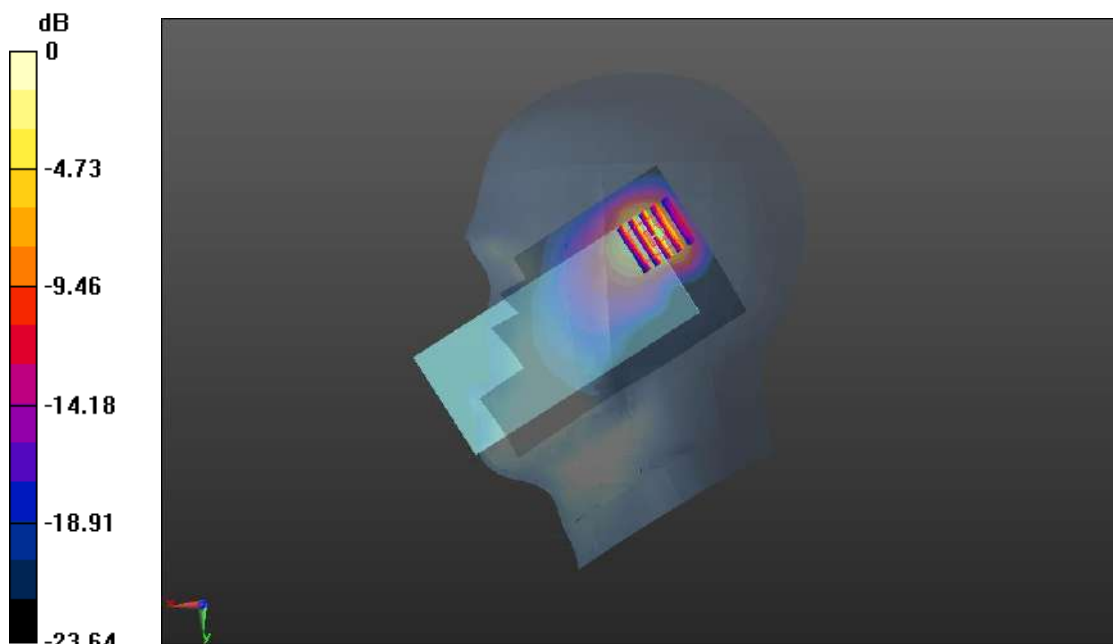
Ch21100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.702 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.636 W/kg; SAR(10 g) = 0.276 W/kg

Maximum value of SAR (measured) = 0.761 W/kg



0 dB = 0.761 W/kg

Meas.30 Body Plane with Back Side 15mm on Middle Channel in LTE Band7 mode with Antenna 1

Date: 2024.05.06

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.967$ S/m; $\epsilon_r = 38.578$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.41, 7.73, 7.59); Calibrated: 2023.07.04;
- 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)

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

Maximum value of SAR (interpolated) = 0.176 W/kg

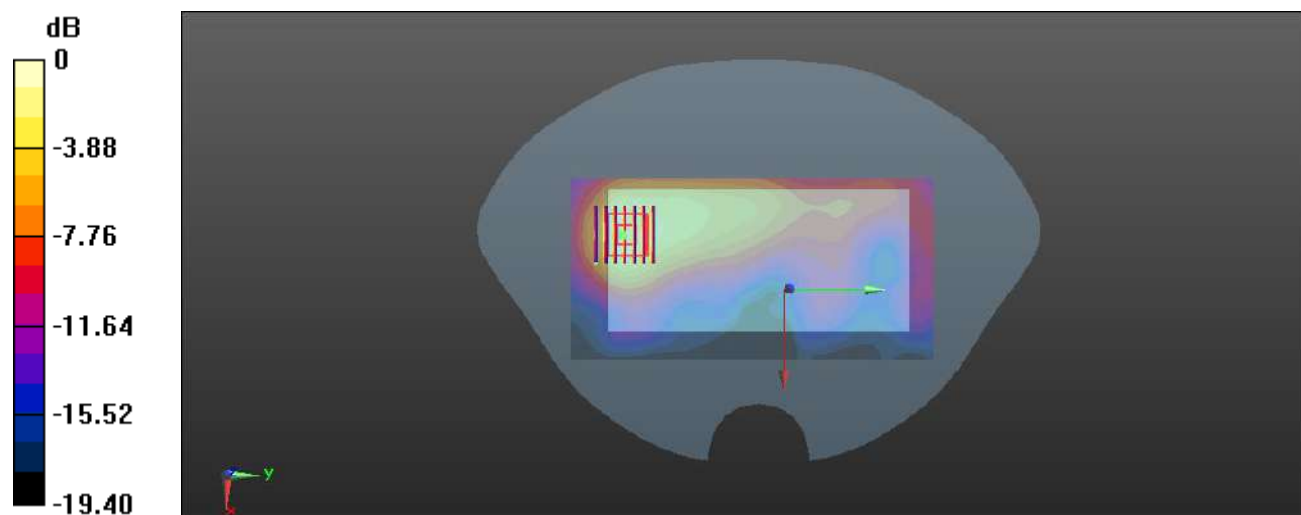
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.870 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.298 W/kg

SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.082 W/kg

Maximum value of SAR (measured) = 0.176 W/kg



0 dB = 0.176 W/kg

Meas.31 Body Plane with Top Edge 10mm on Middle Channel in LTE Band7 mode With Antenna1

Date: 2024.05.06

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.967$ S/m; $\epsilon_r = 38.578$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.41, 7.73, 7.59); Calibrated: 2023.07.04;
- 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)

Ch21100/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.449 W/kg

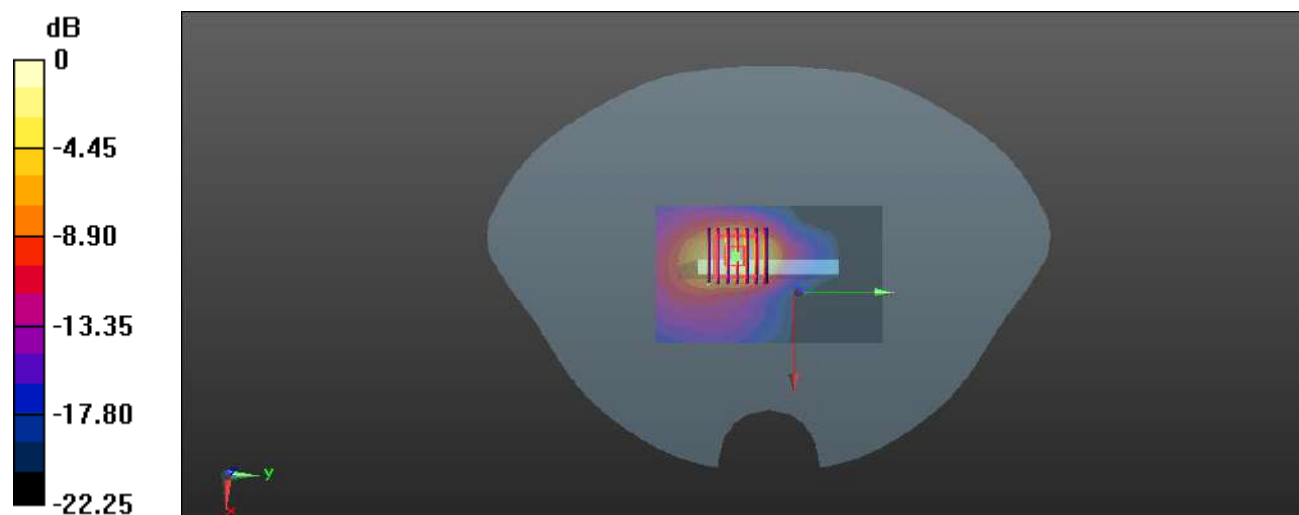
Ch21100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.313 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.818 W/kg

SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.166 W/kg

Maximum value of SAR (measured) = 0.445 W/kg



0 dB = 0.445 W/kg

Meas.32 Right Head with Cheek on Middle Channel LTE Band13 mode with Antenna 1

Date: 2024.04.26

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

Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.31, 10.57, 10.43); Calibrated: 2023.07.04;
- 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)

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

Maximum value of SAR (interpolated) = 0.722 W/kg

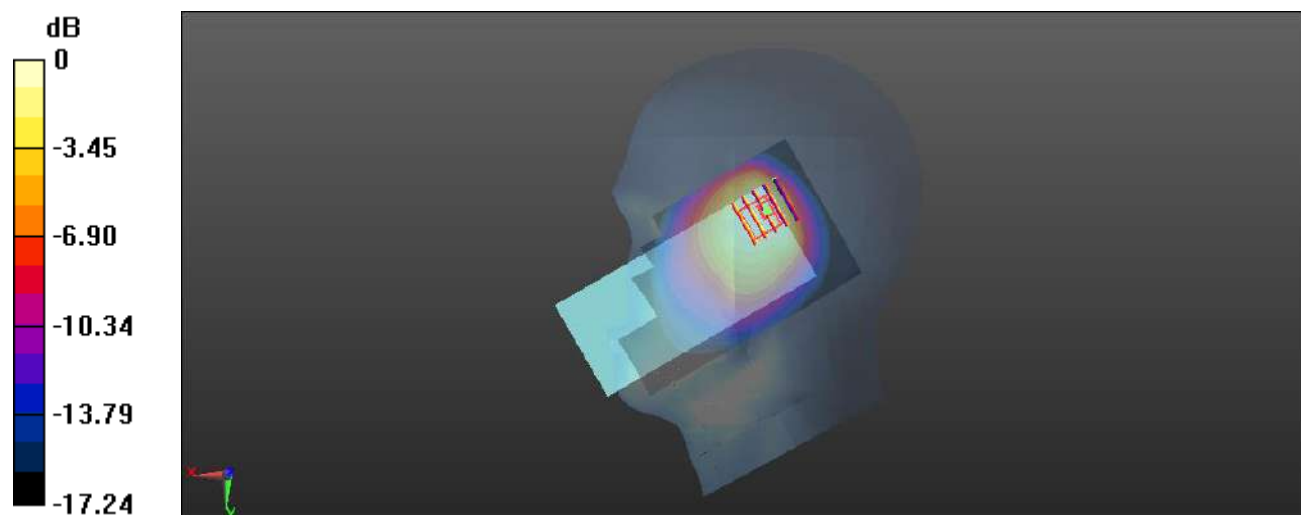
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.97 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.487 W/kg; SAR(10 g) = 0.300 W/kg

Maximum value of SAR (measured) = 0.510 W/kg



0 dB = 0.510 W/kg

Meas.33 Body Plane with Back Side 15mm on Middle Channel in LTE Band13 mode with Antenna 0

Date: 2024.04.26

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

Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.31, 10.57, 10.43); Calibrated: 2023.07.04;
- 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)

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

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

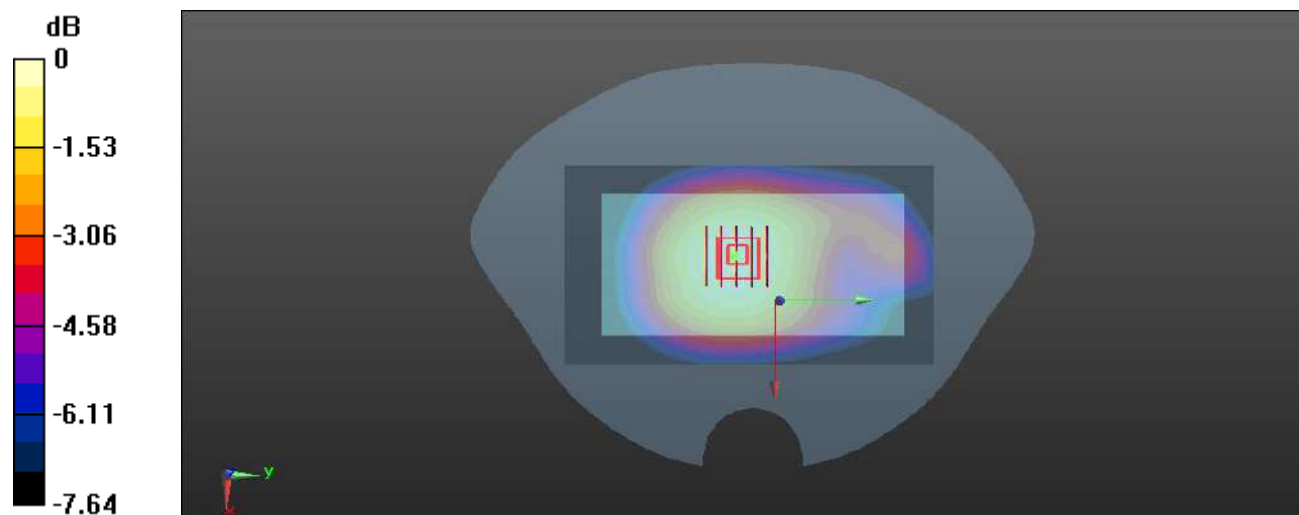
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.96 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.131 W/kg

SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.079 W/kg

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



0 dB = 0.108 W/kg

Meas.34 Body Plane with Back Side 10mm on Middle Channel in LTE Band13 mode with Antenna 0

Date: 2024.04.26

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

Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(10.31, 10.57, 10.43); Calibrated: 2023.07.04;
- 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)

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

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

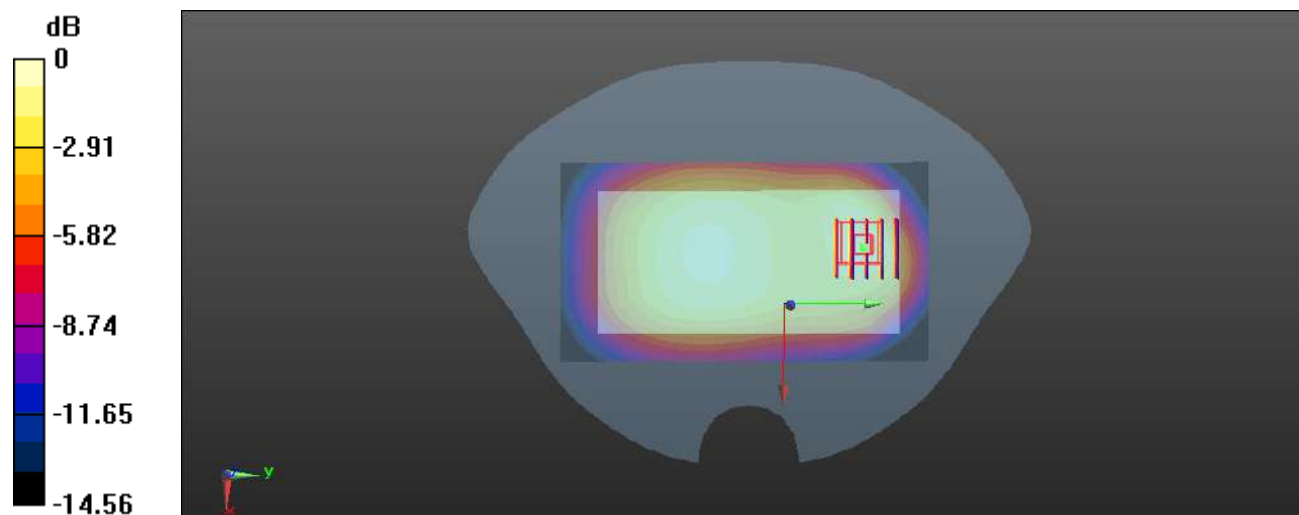
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.49 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.083 W/kg

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



0 dB = 0.153 W/kg

Meas.35 Right Head with Tilted on Middle Channel LTE Band66 mode with Antenna 1

Date: 2024.05.03

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

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.371$ S/m; $\epsilon_r = 40.117$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.52, 8.91, 8.76); Calibrated: 2023.07.04;
- 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)

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

Maximum value of SAR (interpolated) = 0.416 W/kg

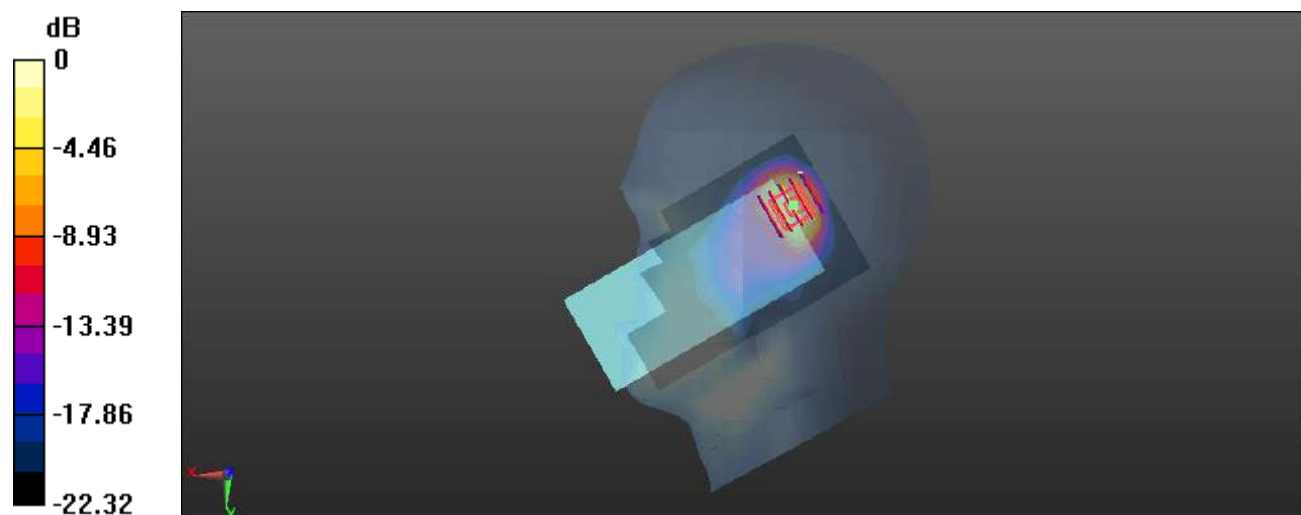
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.70 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.731 W/kg

SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.164 W/kg

Maximum value of SAR (measured) = 0.432 W/kg



0 dB = 0.432 W/kg

Meas.36 Body Plane with Back Side 15mm on Middle Channel in LTE Band66 mode with Antenna 0

Date: 2024.05.03

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

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.371$ S/m; $\epsilon_r = 40.117$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.52, 8.91, 8.76); Calibrated: 2023.07.04;
- 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)

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

Maximum value of SAR (interpolated) = 0.195 W/kg

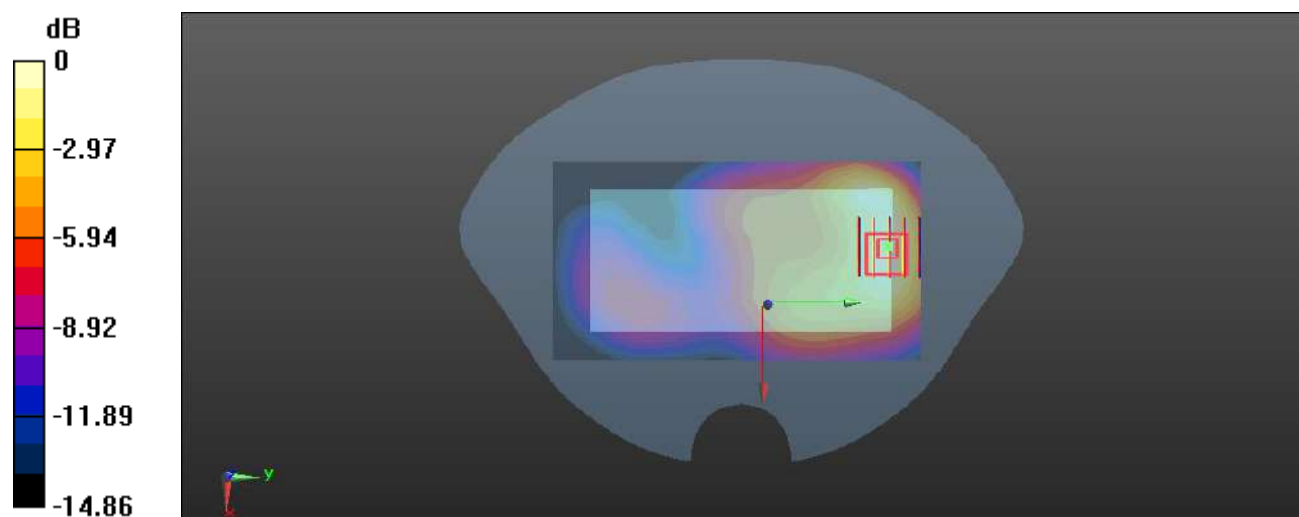
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.395 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.259 W/kg

SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.192 W/kg



0 dB = 0.192 W/kg

Meas.37 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band66 mode With Antenna 0

Date: 2024.05.03

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

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.371$ S/m; $\epsilon_r = 40.117$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.52, 8.91, 8.76); Calibrated: 2023.07.04;
- 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)

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

Maximum value of SAR (interpolated) = 0.486 W/kg

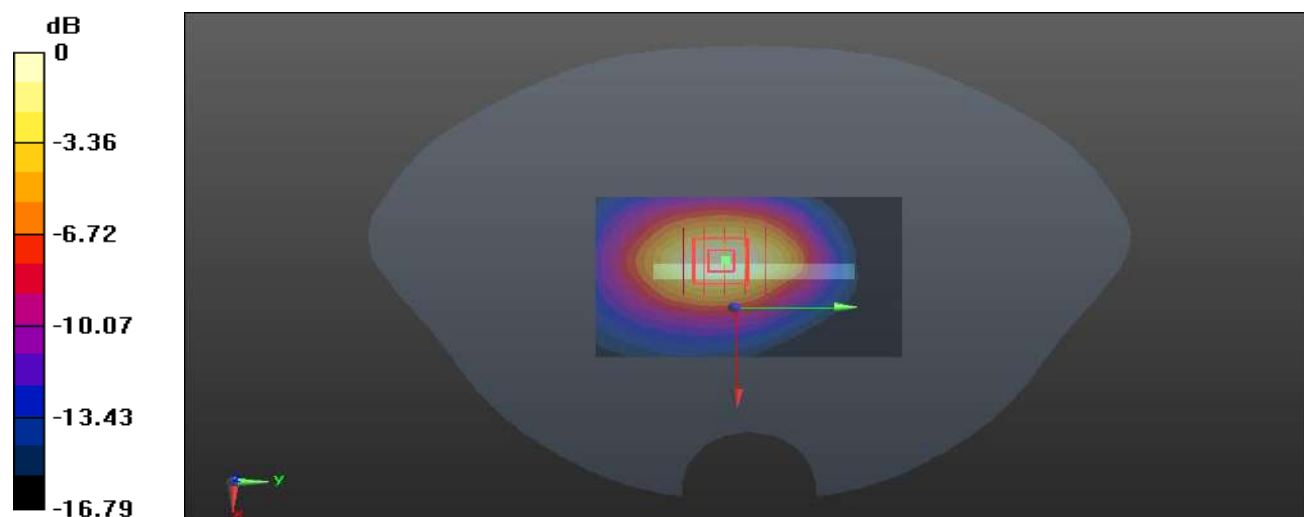
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.42 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.683 W/kg

SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.240 W/kg

Maximum value of SAR (measured) = 0.466 W/kg



0 dB = 0.302 W/kg

Meas.38 Body Plane with Bottom Edge 0mm on Middle Channel in LTE Band66 mode With Antenna 0

Date: 2024.05.03

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

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.371$ S/m; $\epsilon_r = 40.117$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(8.52, 8.91, 8.76); Calibrated: 2023.07.04;
- 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)

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

Maximum value of SAR (interpolated) = 4.91 W/kg

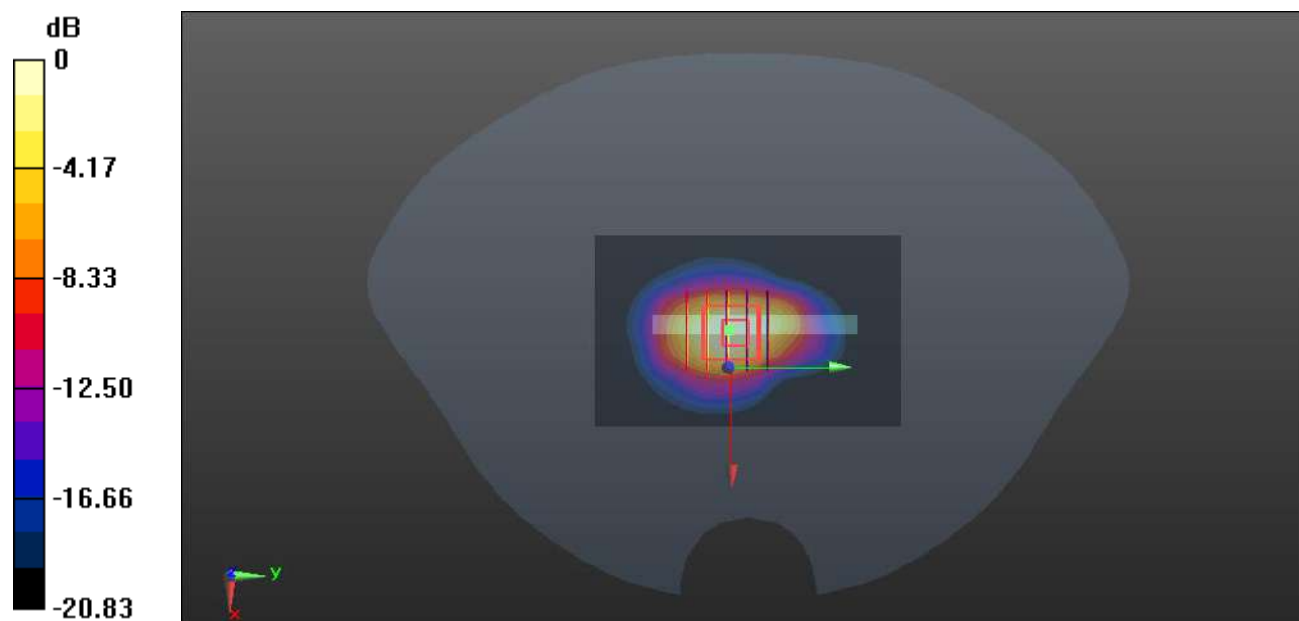
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 51.21 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 6.37 W/kg

SAR(1 g) = 3.28 W/kg; SAR(10 g) = 1.6 W/kg

Maximum value of SAR (measured) = 3.69 W/kg



0 dB = 3.69 W/kg

Meas.39 Right Head with Tilted on Middle Channel in LTE Band38 mode with Antenna 1

Date: 2024.05.07

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

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.964$ S/m; $\epsilon_r = 38.681$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.41, 7.73, 7.59); Calibrated: 2023.07.04;
- 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)

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

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

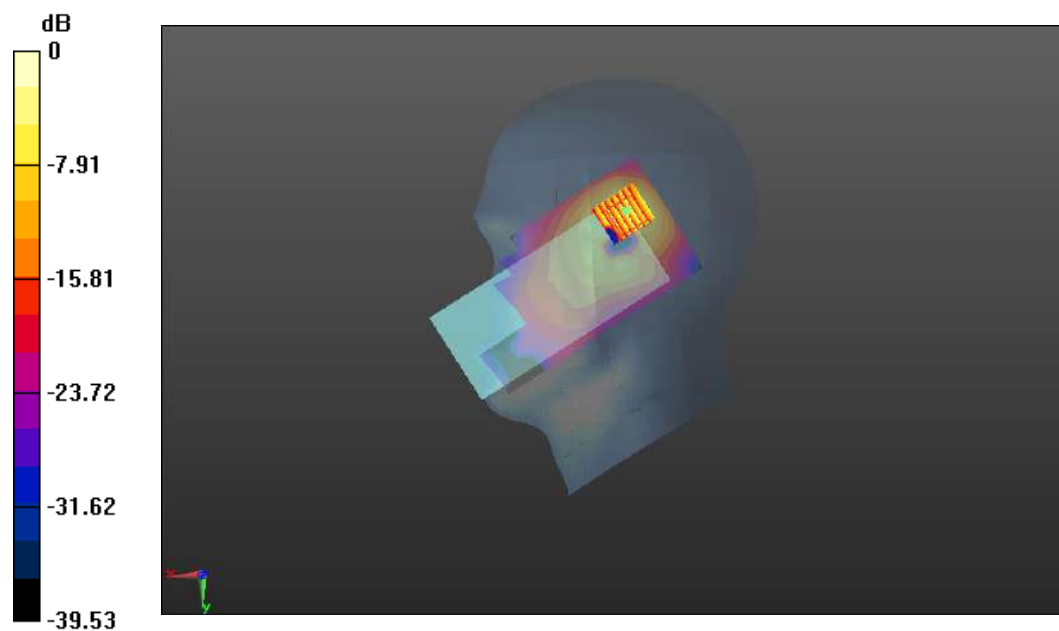
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.259 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 0.845 W/kg; SAR(10 g) = 0.359 W/kg

Maximum value of SAR (measured) = 0.952 W/kg



0 dB = 0.952 W/kg

Meas.40 Body Plane with Back Side 15mm on Middle Channel in LTE Band38 mode with Antenna 1

Date: 2024.05.07

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

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.964$ S/m; $\epsilon_r = 38.681$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.41, 7.73, 7.59); Calibrated: 2023.07.04;
- 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)

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

Maximum value of SAR (interpolated) = 0.308 W/kg

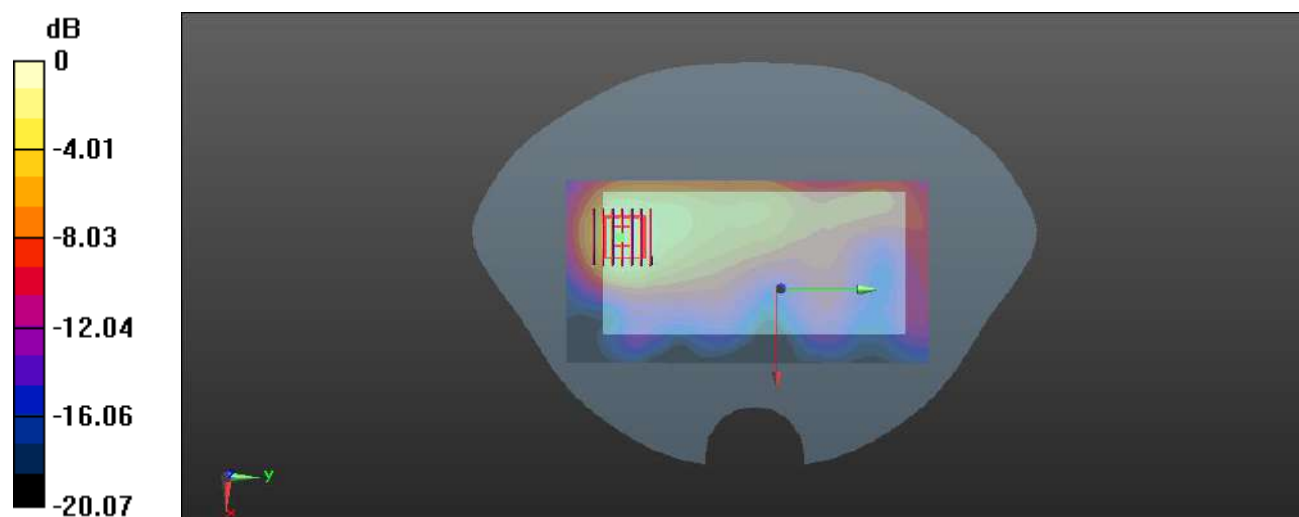
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.486 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.538 W/kg

SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.305 W/kg



0 dB = 0.305 W/kg

Meas.41 Body Plane with Top Edge 10mm on Middle Channel in LTE Band38 mode With Antenna1

Date: 2024.05.07

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

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.964$ S/m; $\epsilon_r = 38.681$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.41, 7.73, 7.59); Calibrated: 2023.07.04;
- 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)

Ch38000/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.821 W/kg

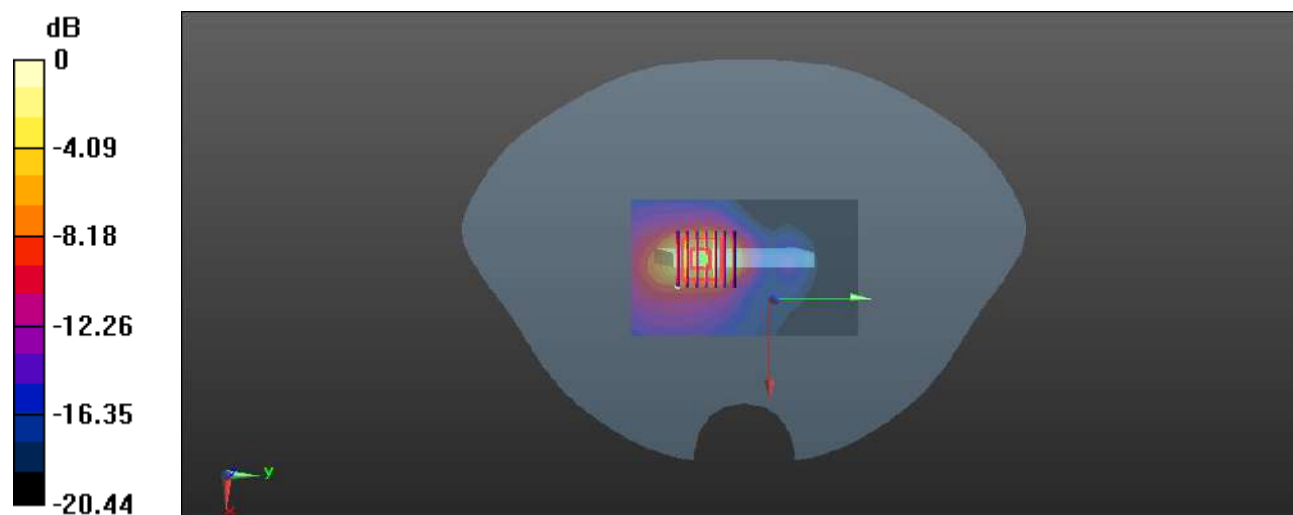
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.566 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.666 W/kg; SAR(10 g) = 0.305 W/kg

Maximum value of SAR (measured) = 0.767 W/kg



0 dB = 0.767 W/kg

Meas.42 Right Head with Tilted on Middle Channel in LTE Band41 mode with Antenna 1

Date: 2024.05.08

Communication System Band: Band41; Frequency: 2607.5 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2607.5$ MHz; $\sigma = 1.988$ S/m; $\epsilon_r = 38.495$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.8°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.41, 7.73, 7.59); Calibrated: 2023.07.04;
- 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)

Ch40765 3/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

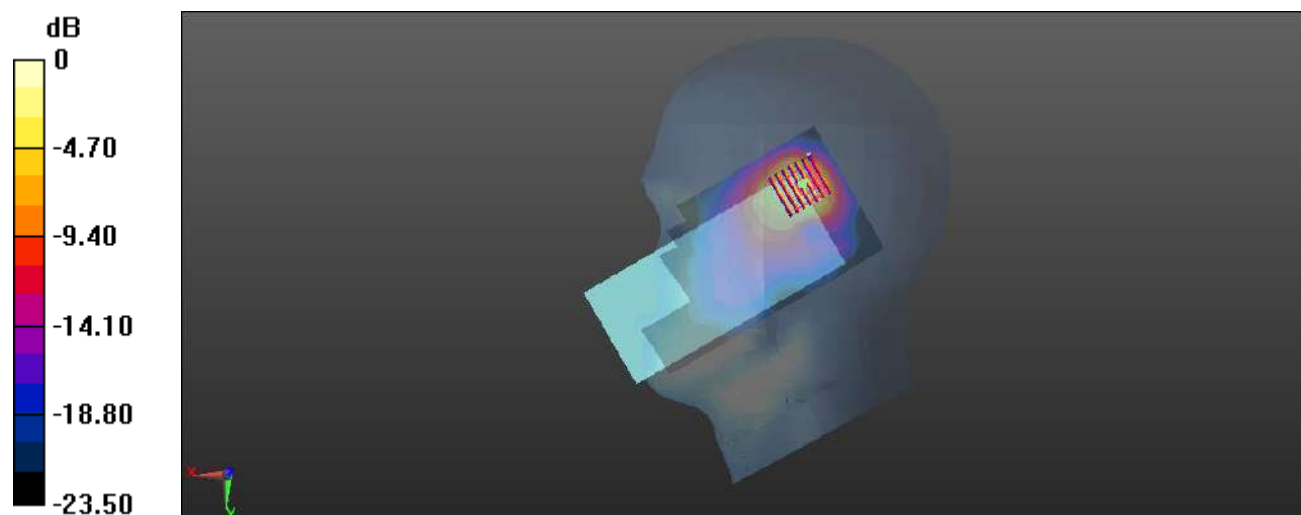
Ch40765 3/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.986 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.321 W/kg

Maximum value of SAR (measured) = 0.855 W/kg



0 dB = 0.855 W/kg

Meas.43 Body Plane with Back Side 15mm on Middle Channel in LTE Band41 mode with Antenna 1

Date: 2024.05.08

Communication System Band: Band41; Frequency: 2607.5 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2607.5$ MHz; $\sigma = 1.988$ S/m; $\epsilon_r = 38.495$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.8°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.41, 7.73, 7.59); Calibrated: 2023.07.04;
- 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)

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

Maximum value of SAR (interpolated) = 0.308 W/kg

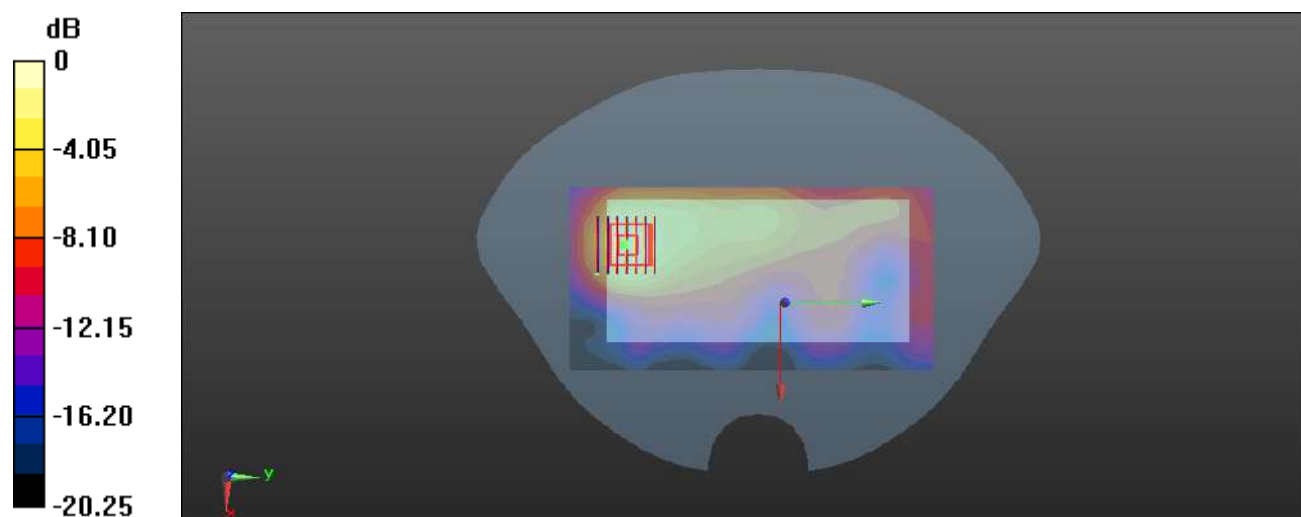
Ch40765/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.725 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.535 W/kg

SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.305 W/kg



0 dB = 0.305 W/kg

Meas.44 Body Plane with Top Edge 10mm on Middle Channel in LTE Band41 mode With Antenna1

Date: 2024.05.08

Communication System Band: Band41; Frequency: 2607.5 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2607.5$ MHz; $\sigma = 1.988$ S/m; $\epsilon_r = 38.495$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.8°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.41, 7.73, 7.59); Calibrated: 2023.07.04;
- 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)

Ch40765/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.685 W/kg

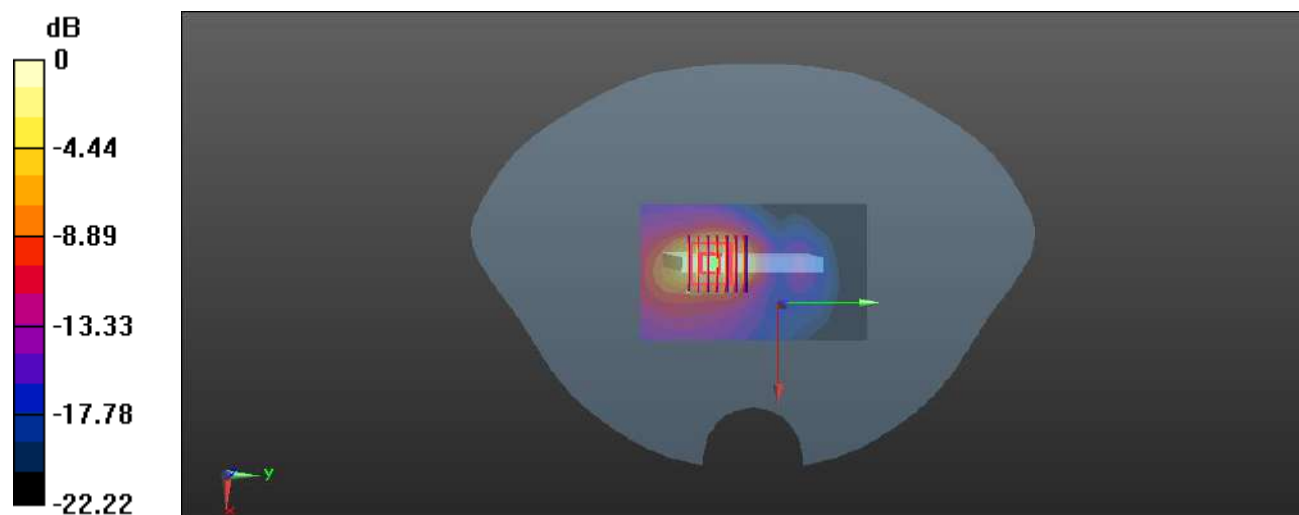
Ch40765/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.261 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.555 W/kg; SAR(10 g) = 0.253 W/kg

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



0 dB = 0.639 W/kg

Meas.45 Left Head with Cheek on 2 Channel in IEEE802.11g mode with Antenna 2

Date: 2024.05.09

Communication System Band: 2.4G; Frequency: 2417 MHz; Duty Cycle: 1:131

Medium parameters used (interpolated): $f = 2417$ MHz; $\sigma = 1.76$ S/m; $\epsilon_r = 39.842$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.47, 7.76, 7.61); Calibrated: 2023.07.04;
- 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)

Ch2/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.338 W/kg

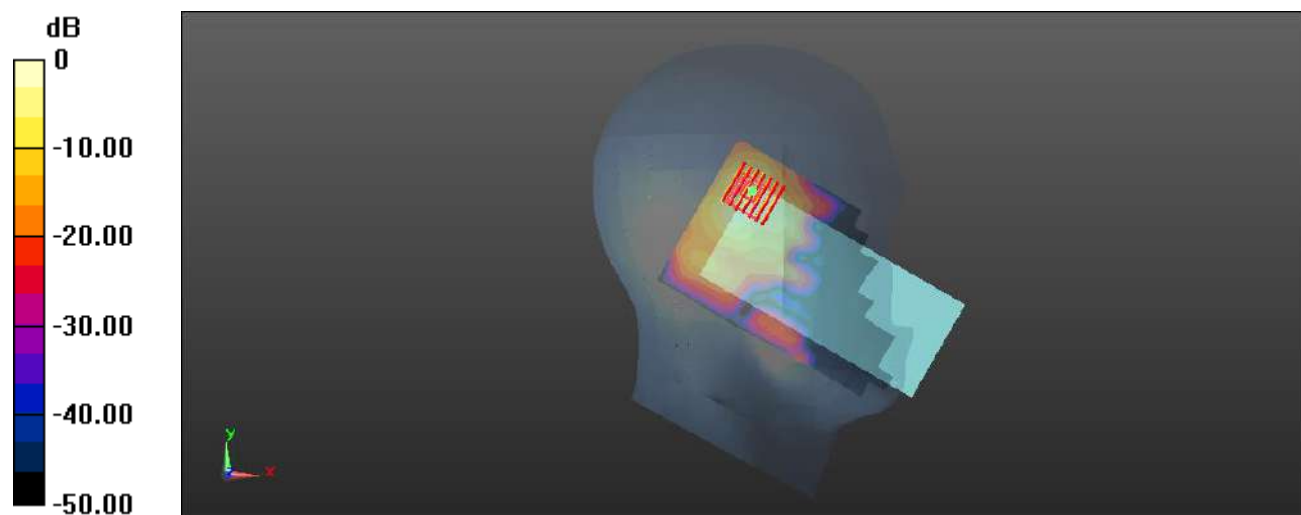
Ch2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.880 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.25 W/kg

SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.099 W/kg

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



0 dB = 0.336 W/kg

Meas.46 Body Plane with Back Side 15mm on 2 Channel in IEEE802.11g mode with Antenna 2

Date: 2024.05.09

Communication System Band: 2.4G; Frequency: 2417 MHz; Duty Cycle: 1:1.131

Medium parameters used (interpolated): $f = 2417$ MHz; $\sigma = 1.76$ S/m; $\epsilon_r = 39.842$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.47, 7.76, 7.61); Calibrated: 2023.07.04;
- 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)

Ch2/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

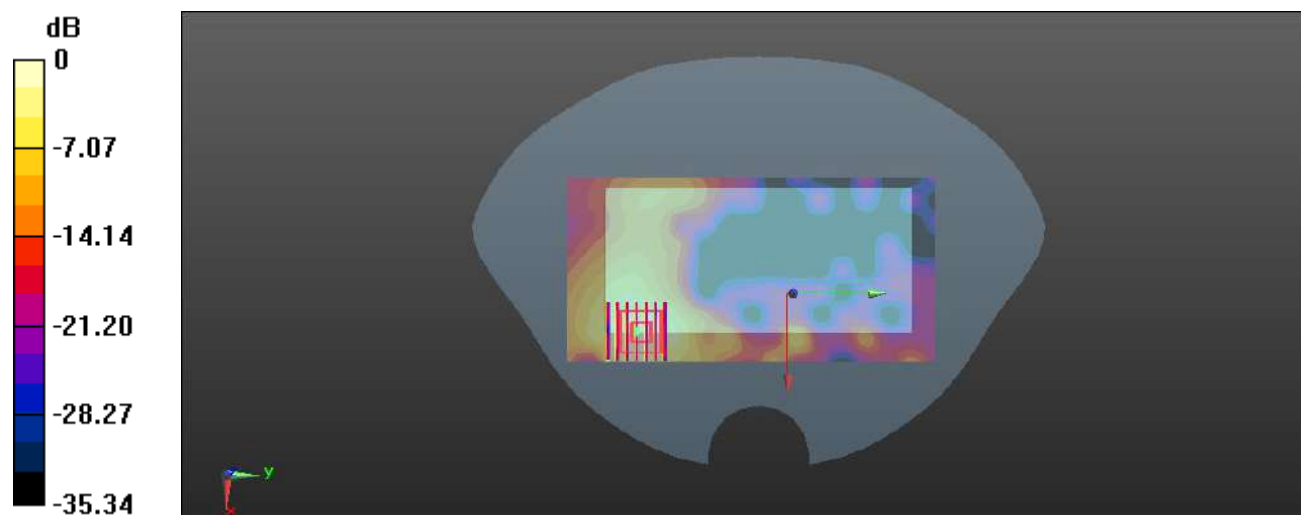
Ch2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.465 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.291 W/kg

SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.030 W/kg

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



0 dB = 0.142 W/kg

Meas.47 Body Plane with Back Side 10mm on 2 Channel in IEEE802.11g mode with Antenna 2

Date: 2024.05.09

Communication System Band: 2.4G; Frequency: 2417 MHz; Duty Cycle: 1:1.131

Medium parameters used (interpolated): $f = 2417$ MHz; $\sigma = 1.76$ S/m; $\epsilon_r = 39.842$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.47, 7.76, 7.61); Calibrated: 2023.07.04;
- 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)

Ch2/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.221 W/kg

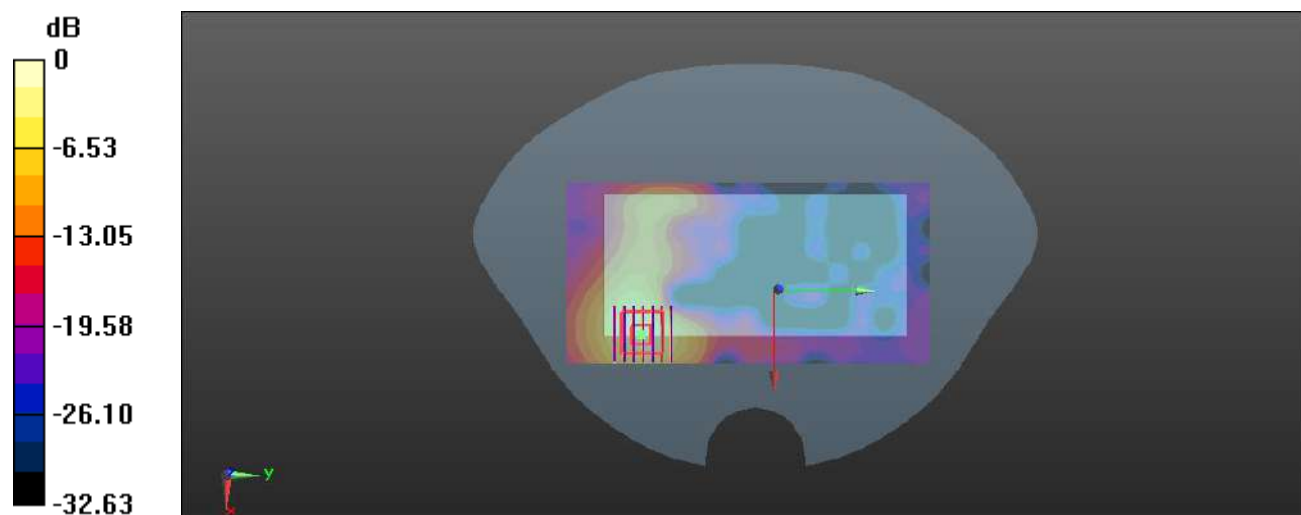
Ch2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 0.872 W/kg

SAR(1 g) = 0.124 W/kg; SAR(10 g) = 0.045 W/kg

Maximum value of SAR (measured) = 0.237 W/kg



0 dB = 0.237 W/kg

Meas.48 Left Head with Tilt on 54 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2024.05.10

Communication System Band: 5.3G; Frequency: 5270 MHz; Duty Cycle: 1:1.443

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.748$ S/m; $\epsilon_r = 35.543$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.41, 5.73, 5.58); Calibrated: 2023.07.04;
- Sensor-Surface: 2mm (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)

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

Maximum value of SAR (interpolated) = 1.77 W/kg

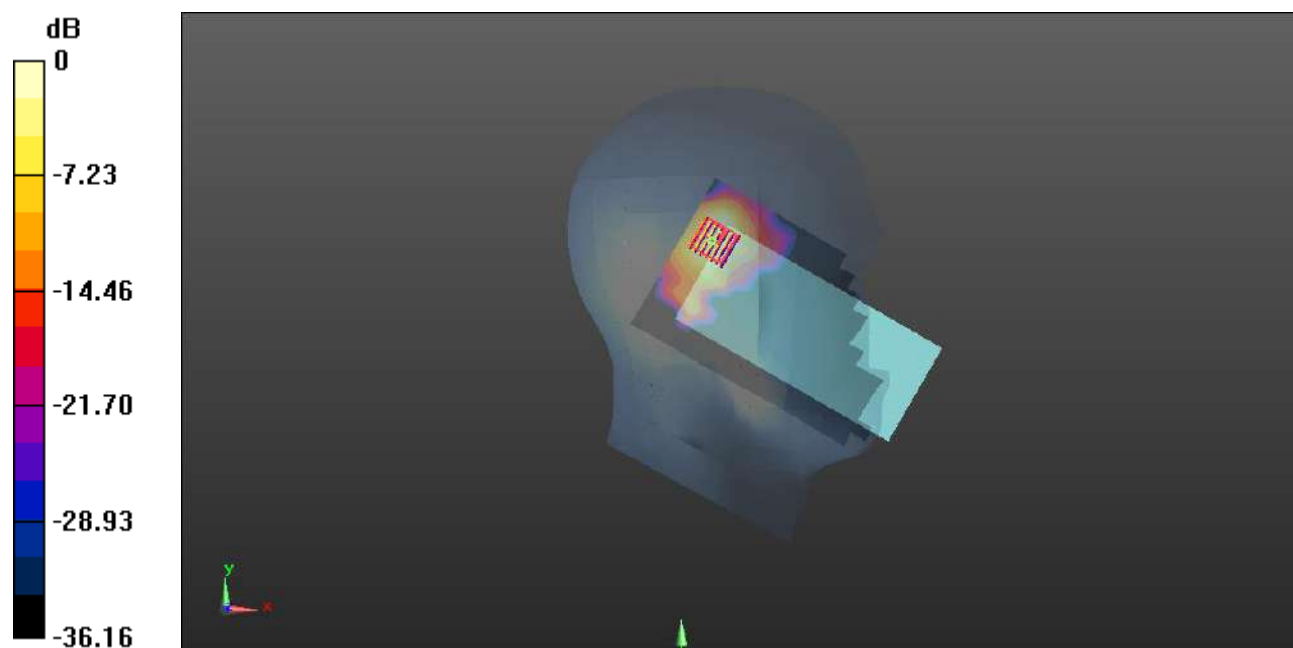
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.572 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.63 W/kg

SAR(1 g) = 0.718 W/kg; SAR(10 g) = 0.255 W/kg

Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.39 W/kg

Meas.49 Left Head with Tilt on 122 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2024.05.11

Communication System Band: 5.6G; Frequency: 5610 MHz; Duty Cycle: 1:1.865

Medium parameters used (interpolated): $f = 5610$ MHz; $\sigma = 5.072$ S/m; $\epsilon_r = 35.05$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.58, 4.95, 4.75); Calibrated: 2023.07.04;
- Sensor-Surface: 2mm (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)

Ch122/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.605 W/kg

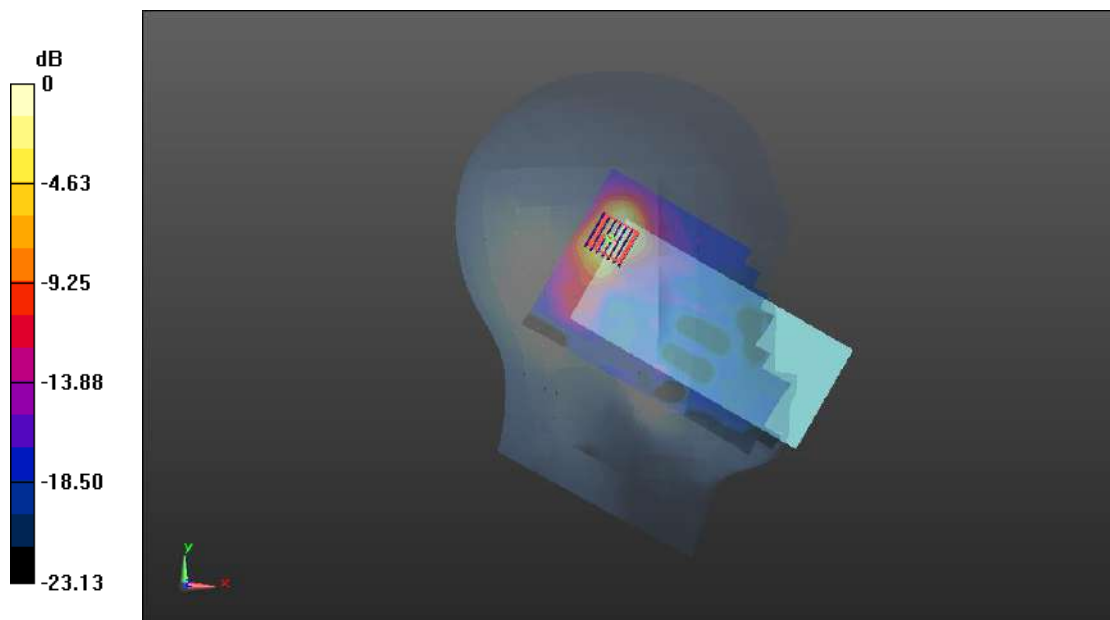
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.853 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.512 W/kg; SAR(10 g) = 0.170 W/kg

Maximum value of SAR (measured) = 0.657 W/kg



0 dB = 0.657 W/kg

Meas.50 Left Head with Tilt on 159 Channel in IEEE802.11N40 mode with Antenna 2

Date: 2024.05.12

Communication System Band: 5.8G; Frequency: 5795 MHz; Duty Cycle: 1:1.443

Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 5.262$ S/m; $\epsilon_r = 35$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.78, 5.08, 4.93); Calibrated: 2023.07.04;
- Sensor-Surface: 2mm (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)

Ch159/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

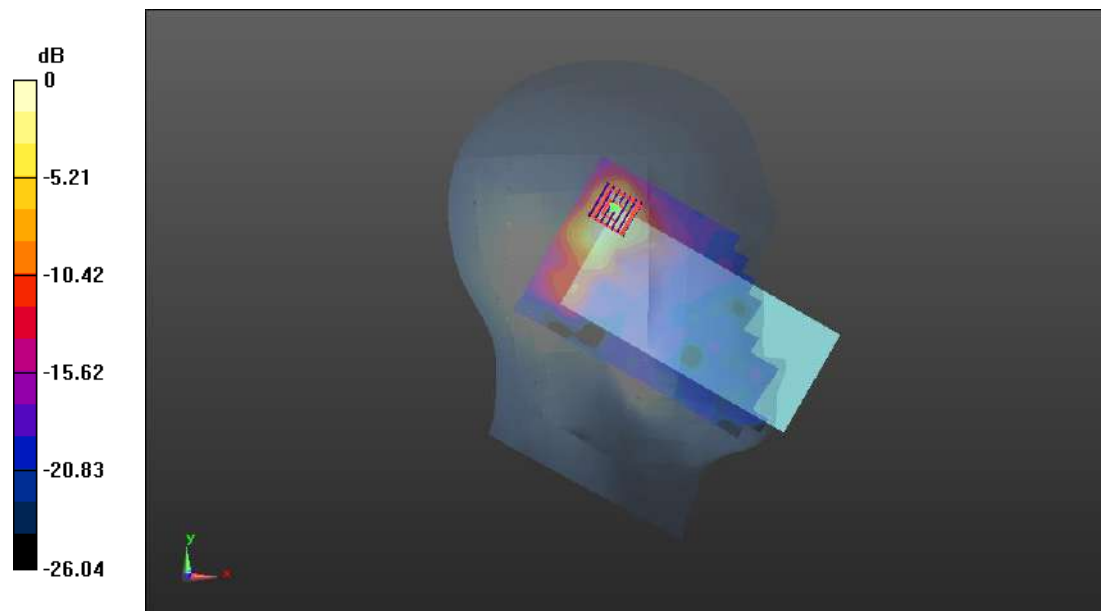
Ch159/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.475 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.57 W/kg

SAR(1 g) = 0.672 W/kg; SAR(10 g) = 0.199 W/kg

Maximum value of SAR (measured) = 0.768 W/kg



0 dB = 0.768 W/kg

Meas.51 Body Plane with Back Side 15mm on 54 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2024.05.10

Communication System Band: 5.3G; Frequency: 5270 MHz; Duty Cycle: 1:1.443

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.748$ S/m; $\epsilon_r = 35.543$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.41, 5.73, 5.58); Calibrated: 2023.07.04;
- Sensor-Surface: 2mm (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)

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

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

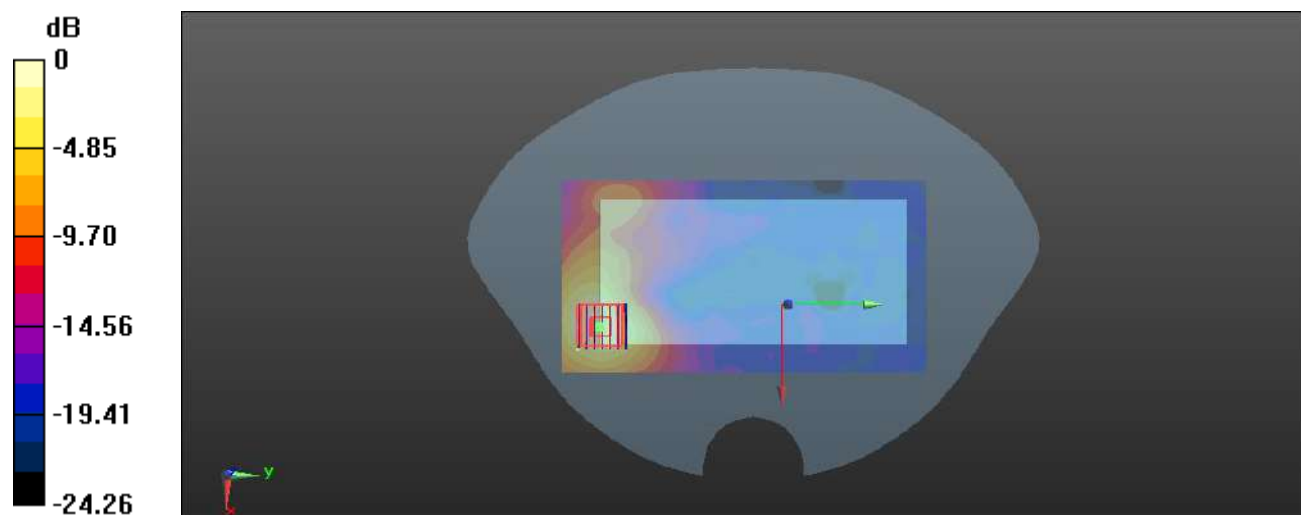
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.9240 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.937 W/kg

SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.137 W/kg

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



0 dB = 0.575 W/kg

Meas.52 Body Plane with Back Side 15mm on 122 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2024.05.11

Communication System Band: 5.6G; Frequency: 5610 MHz; Duty Cycle: 1:1.865

Medium parameters used (interpolated): $f = 5610$ MHz; $\sigma = 5.072$ S/m; $\epsilon_r = 35.05$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.58, 4.95, 4.75); Calibrated: 2023.07.04;
- Sensor-Surface: 2mm (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)

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

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

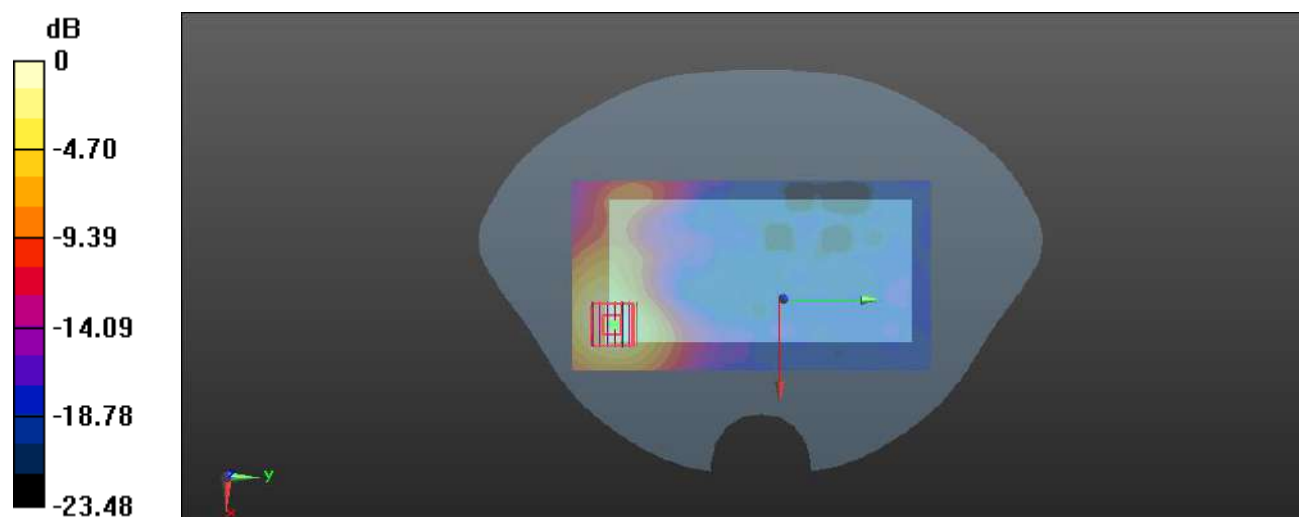
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.8630 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.135 W/kg

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



0 dB = 0.577 W/kg

Meas.53 Body Plane with Back Side 15mm on 159 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2024.05.12

Communication System Band: 5.8G; Frequency: 5795 MHz; Duty Cycle: 1:1.443

Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 5.262$ S/m; $\epsilon_r = 35$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.78, 5.08, 4.93); Calibrated: 2023.07.04;
- Sensor-Surface: 2mm (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)

Ch159/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.839 W/kg

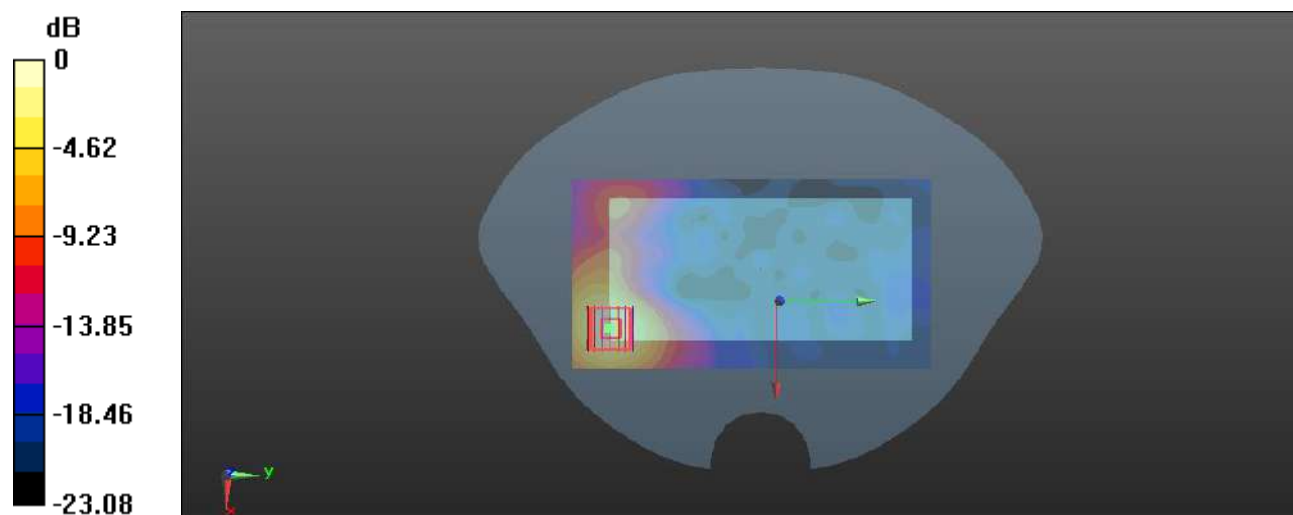
Ch159/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.8740 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.188 W/kg

Maximum value of SAR (measured) = 0.846 W/kg



0 dB = 0.846 W/kg

Meas.54 Body Plane with Top Edge 10mm on 46 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2024.05.10

Communication System Band: 5.2G; Frequency: 5230 MHz; Duty Cycle: 1:1.443

Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 4.668$ S/m; $\epsilon_r = 36.052$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.41, 5.73, 5.58); Calibrated: 2023.07.04;
- Sensor-Surface: 2mm (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)

Ch46/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.245 W/kg

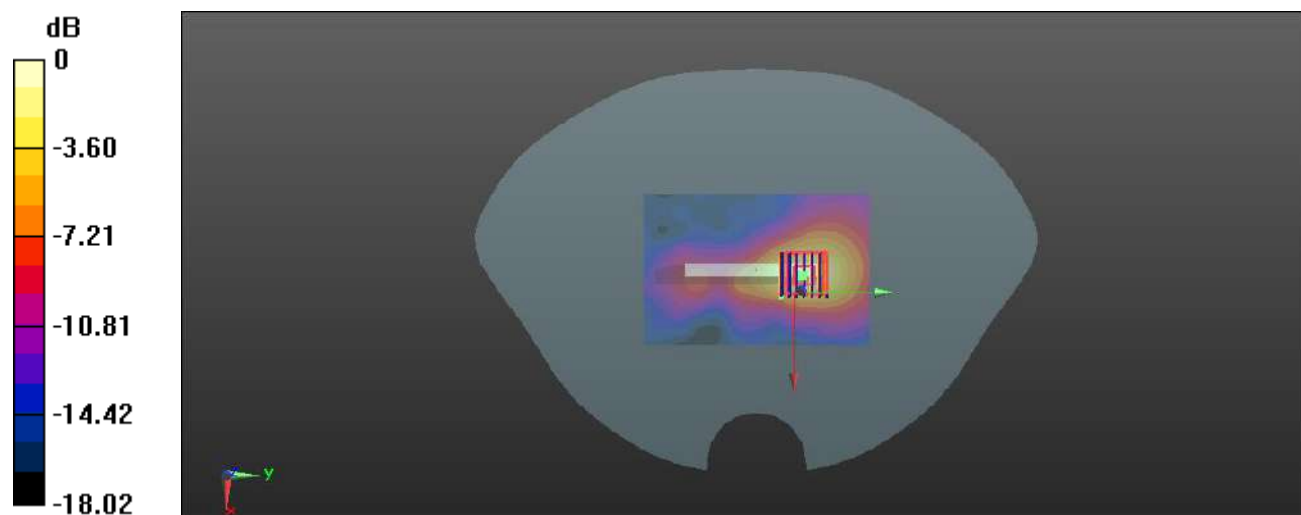
Ch46/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.922 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.420 W/kg

SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.061 W/kg

Maximum value of SAR (measured) = 0.250 W/kg



0 dB = 0.250 W/kg

Meas.55 Body Plane with Top Edge 10mm on 159 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2024.05.12

Communication System Band: 5.8G; Frequency: 5795 MHz; Duty Cycle: 1:1.443

Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 5.262$ S/m; $\epsilon_r = 35$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.78, 5.08, 4.93); Calibrated: 2023.07.04;
- Sensor-Surface: 2mm (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)

Ch159/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

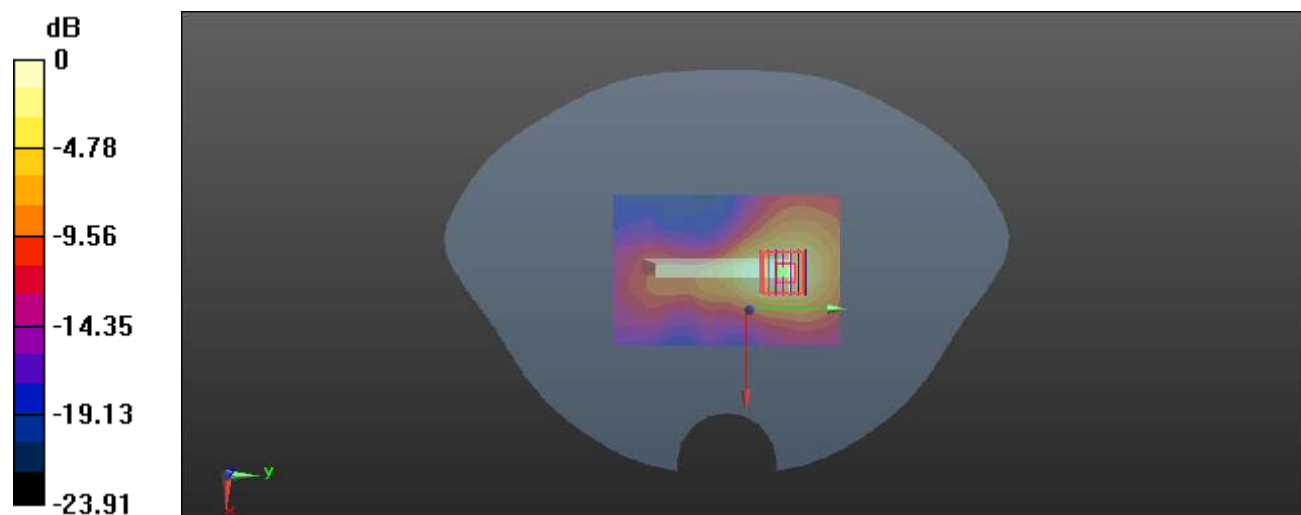
Ch159/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.726 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.418 W/kg; SAR(10 g) = 0.167 W/kg

Maximum value of SAR (measured) = 0.755 W/kg



0 dB = 0.755 W/kg

Meas.56 Body Plane with Top Edge 0mm on 54 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2024.05.10

Communication System Band: 5.3G; Frequency: 5270 MHz; Duty Cycle: 1:1.443

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.748$ S/m; $\epsilon_r = 35.543$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(5.41, 5.73, 5.58); Calibrated: 2023.07.04;
- Sensor-Surface: 2mm (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)

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

Maximum value of SAR (interpolated) = 9.22 W/kg

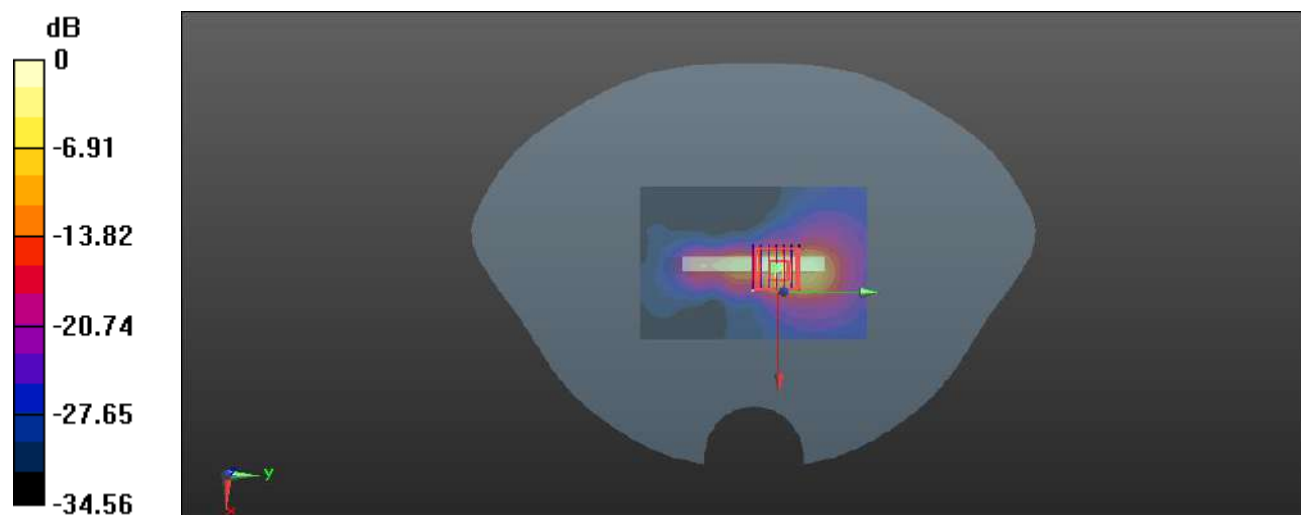
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 14.24 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 27.7 W/kg

SAR(1 g) = 5.51 W/kg; SAR(10 g) = 1.15 W/kg

Maximum value of SAR (measured) = 11.6 W/kg



0 dB = 11.6 W/kg

Meas.57 Body Plane with Top Edge 0mm on 122 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2024.05.11

Communication System Band: 5.6G; Frequency: 5610 MHz; Duty Cycle: 1:1.865

Medium parameters used (interpolated): $f = 5610$ MHz; $\sigma = 5.072$ S/m; $\epsilon_r = 35.05$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(4.58, 4.95, 4.75); Calibrated: 2023.07.04;
- Sensor-Surface: 2mm (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)

Ch122/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.37 W/kg

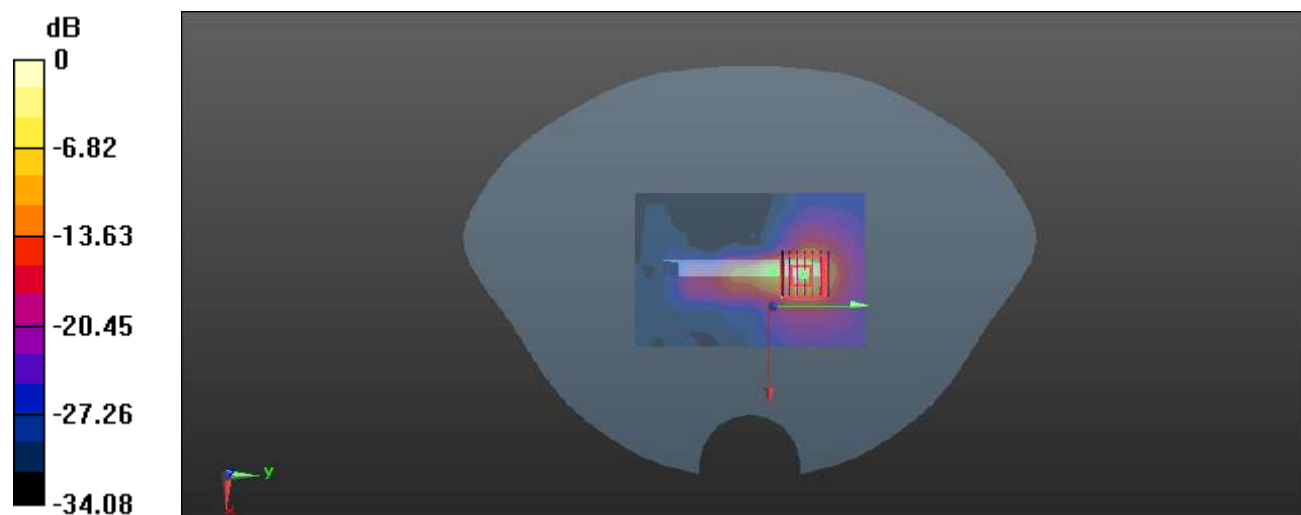
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.681 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 29.1 W/kg

SAR(1 g) = 4.73 W/kg; SAR(10 g) = 1.08 W/kg

Maximum value of SAR (measured) = 11.7 W/kg



0 dB = 11.7 W/kg

Meas.58 Left Head with Cheek on 78 Channel in Bluetooth mode with Antenna 2

Date: 2024.05.09

Communication System Band: BT; Frequency: 2480 MHz; Duty Cycle: 1:1.287

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.836$ S/m; $\epsilon_r = 39.359$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.47, 7.76, 7.61); Calibrated: 2023.07.04;
- 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)

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

Maximum value of SAR (interpolated) = 0.103 W/kg

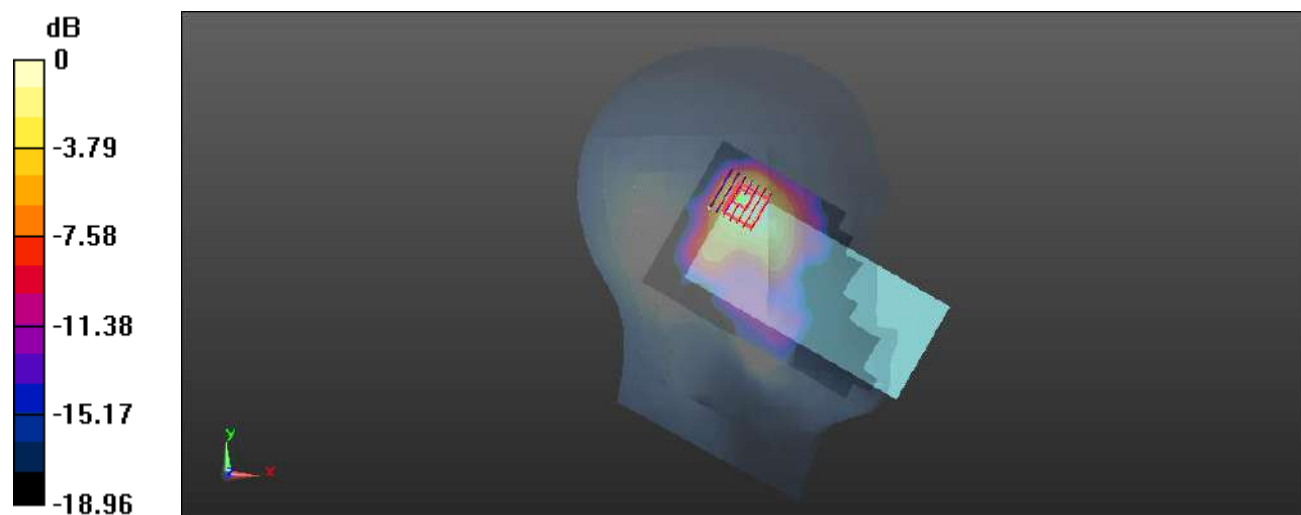
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.359 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.044 W/kg

Maximum value of SAR (measured) = 0.0930 W/kg



0 dB = 0.0930 W/kg

Meas.59 Body Plane with Back Side 15mm on 78 Channel in Bluetooth mode with Antenna 3

Date: 2024.05.09

Communication System Band: BT; Frequency: 2480 MHz; Duty Cycle: 1:1.287

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.836$ S/m; $\epsilon_r = 39.359$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.47, 7.76, 7.61); Calibrated: 2023.07.04;
- 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)

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

Maximum value of SAR (interpolated) = 0.0261 W/kg

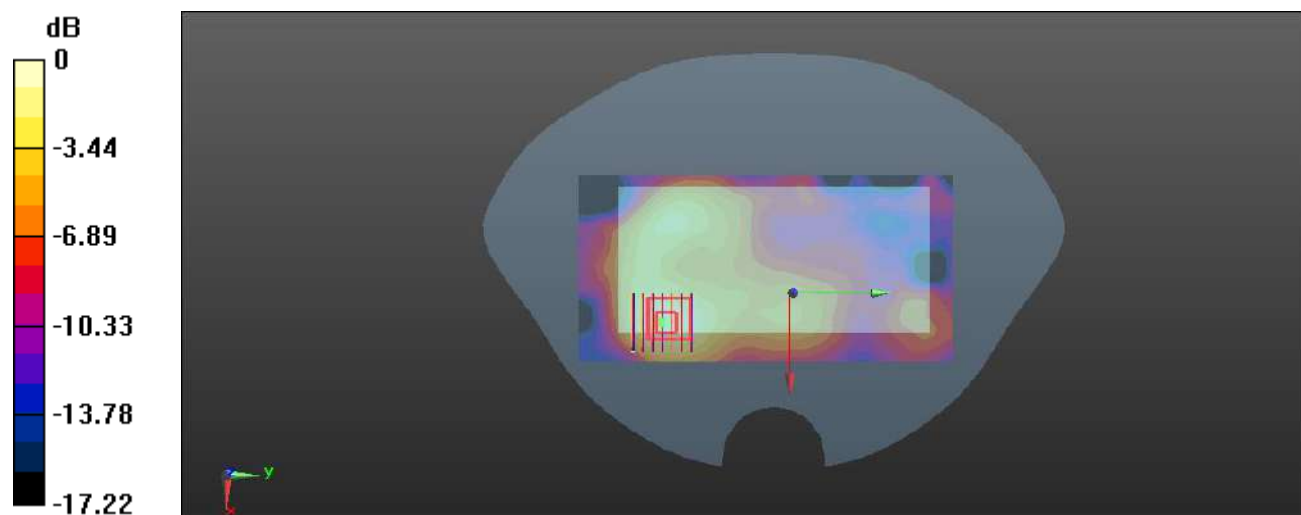
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.411 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.0350 W/kg

SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.011 W/kg

Maximum value of SAR (measured) = 0.0268 W/kg



0 dB = 0.0268 W/kg

Meas.60 Body Plane with Back Side 10mm on 78 Channel in Bluetooth mode with Antenna 3

Date: 2024.05.09

Communication System Band: BT; Frequency: 2480 MHz; Duty Cycle: 1:1.287

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.836$ S/m; $\epsilon_r = 39.359$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7607; ConvF(7.47, 7.76, 7.61); Calibrated: 2023.07.04;
- 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)

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

Maximum value of SAR (interpolated) = 0.0684 W/kg

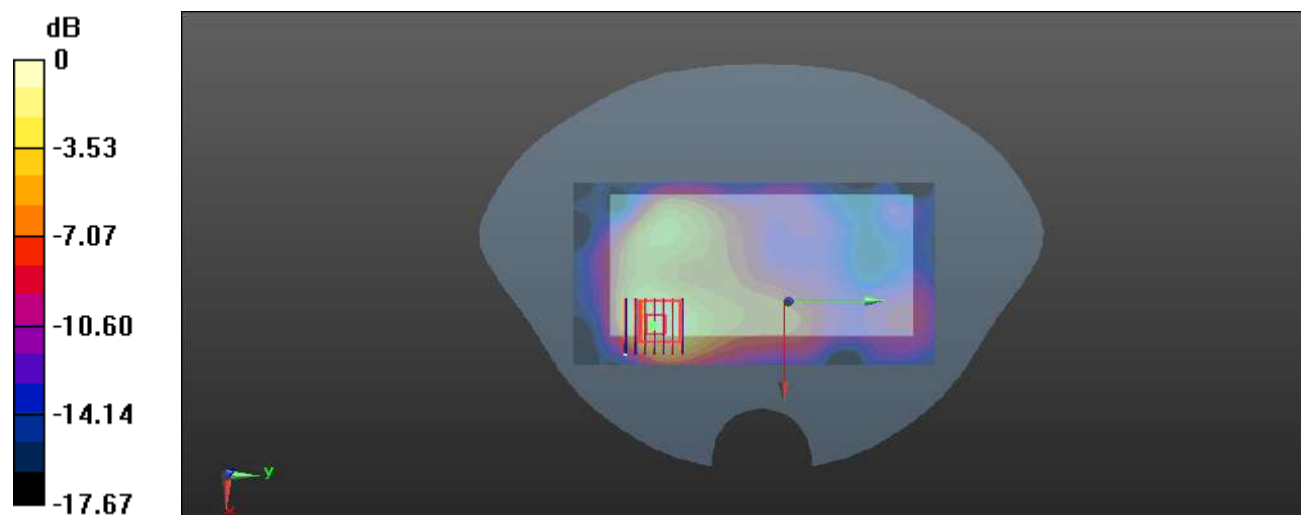
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.704 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.0900 W/kg

SAR(1 g) = 0.045 W/kg; SAR(10 g) = 0.024 W/kg

Maximum value of SAR (measured) = 0.0664 W/kg



0 dB = 0.0664 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2441131-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2441131-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2441131-AC.pdf”.

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