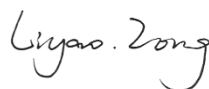


TEST REPORT

Applicant: vivo Mobile Communication Co., Ltd.
Address: No.1, vivo Road, Chang'an, Dongguan, Guangdong, China
Equipment Type: Mobile Phone
Model Name: V2419
Brand Name: vivo
FCC ID: 2AUCY-V2419
Test Standard: FCC 47 CFR Part 2.1093
(refer to section 3.1)
Maximum SAR: Head (1 g@0mm): 0.98 W/kg
Body-worn (1 g@15mm): 0.97 W/kg
Hotspot (1 g@10mm): 0.58 W/kg
Specific (10 g@0mm): 1.57 W/kg
Sample Arrival Date: Aug. 27, 2024
Test Date: Aug. 31, 2024 - Sep. 25, 2024
Date of Issue: Sep. 25, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Xu Rui**Checked by:** Liyao Zong**Approved by:** Tolan Tu
(Testing Director)

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Sep. 25, 2024</u>	<u>Initial Issue</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	☐ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☒ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

1.3 Test Environment Condition

Ambient Temperature	18°C to 25°C
Ambient Relative Humidity	30% to 70%

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	vivo Mobile Communication Co., Ltd.
Address	No.1, vivo Road, Chang'an, Dongguan, Guangdong, China

2.2 Manufacturer Information

Manufacturer	vivo Mobile Communication Co., Ltd.
Address	No.1, vivo Road, Chang'an, Dongguan, Guangdong, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	V2419
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	MP_0.1
Software Version	PD2420F_EX_A_14.0.5.2.W30
Dimensions (Approx.)	165.66*76.03*8.24mm
Weight (Approx.)	198g
EUT ID	S17, S18, S20, S20
IMEI Number	S17: IMEI: 861819072007926
	S18: IMEI: 861819072008163
	S19: IMEI: 861819072008148
	S20: IMEI: 861819072008106
Note1: EUT ID is used to identify the test sample in the lab internally.	
Note2: It is performed to test SAR with the EUT S18, S19, S20 and conducted power with the EUT S17.	

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	BA60
	Serial No.	N/A
	Capacity	Rated Capacity: 5050mAh Typical capacity: 5150mAh
	Rated Voltage	3.85V
	Limit Charge Voltage	4.39V
	Manufacturer	SUNWODA Electronic Co., Ltd.

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/13/18/19/26/66 LTE TDD Band 38/41 Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40) and 802.11ac (VHT20/40/80) Galileo, BDS, GLONASS, GPS, QZSS, SBAS, FM receiver
Note: The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.	

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

Operating Mode	GSM, WCDMA, LTE, 2.4G WIFI, 5G WIFI, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	LTE Band 18	TX: 815 ~ 830 MHz	RX: 860 ~ 875 MHz
	LTE Band 19	TX: 830 ~ 845 MHz	RX: 875 ~ 890 MHz
	LTE Band 26	TX: 814 ~ 849 MHz	RX: 859 ~ 894 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)/VH T20/40	2412 ~ 2462 MHz	
	802.11a/ /n(HT20/HT40) /ac(VHT20/VHT40 /VHT80)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
5725 ~ 5850 MHz			
Bluetooth	2402 ~ 2480 MHz		
Antenna Type	WWAN: PIFA Antenna WIFI: PIFA Antenna Bluetooth: PIFA Antenna		

DTM	N/A	
Hotspot Function	Support	
Power Reduction	Support	
Exposure Category	General Population/Uncontrolled exposure	
Product Type	Portable Device	
EUT Type	☒ Production unit	☐ Identical prototype
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	0.46	0.20	0.38	/	0.98	0.97	0.58	1.57
	GSM 1900	0.57	0.21	0.44	/				
	WCDMA Band 2	0.62	0.18	0.51	/				
	WCDMA Band 4	0.38	0.22	0.29	/				
	WCDMA Band 5	0.64	0.25	0.26	/				
	LTE Band 2	0.42	0.21	0.38	/				
	LTE Band 4	0.80	0.25	0.42	/				
	LTE Band 5	0.78	0.25	0.31	/				
	LTE Band 7	0.57	0.15	0.18	/				
	LTE Band 13	0.69	0.16	0.26	/				
	LTE Band 18	0.64	0.12	0.12	/				
	LTE Band 19	0.82	0.25	0.32	/				
	LTE Band 26	0.66	0.19	0.25	/				
	LTE Band 66	0.84	0.13	0.27	/				
	LTE Band 38	0.70	0.13	0.39	/				
	LTE Band 41	0.83	0.13	0.21	/				
DTS	2.4G WLAN	0.87	0.19	0.40	/				
NII	5.2G WLAN	/	/	0.58	/				
	5.3G WLAN	0.43	0.97	/	1.57				
	5.6G WLAN	0.98	0.82	/	0.81				
	5.8G WLAN	0.97	0.72	0.58	1.21				
DSS	Bluetooth	0.21	0.08	0.18	/				
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 (0mm)	Hotspot 1g (10mm)
PCE	1.26	1.30	1.17
DTS	1.10	0.45	0.81
NII	1.26	1.30	1.17
DSS	1.26	1.30	1.17
Limit (W/Kg)	1.60	1.60	1.60
Verdict	Pass		
Note: The highest simultaneous SAR please refer section 12.2			

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 0.98 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

The maximum 10 g SAR for the EUT in this report is 1.57 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:

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

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

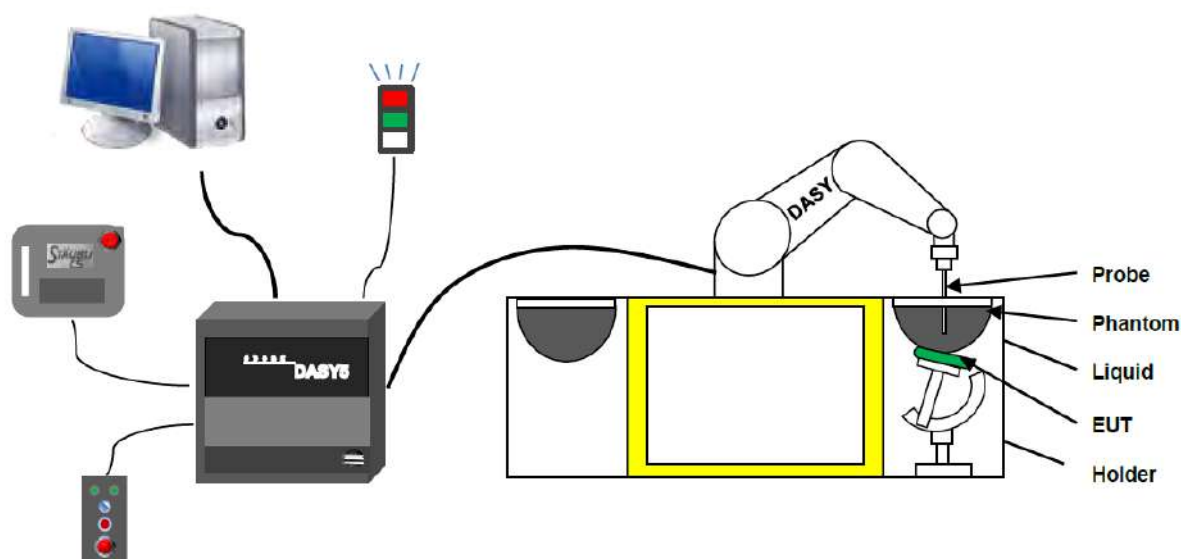
$$SAR = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



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

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

4.2.2 Robot

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



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

4.2.3 E-Field Probe

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

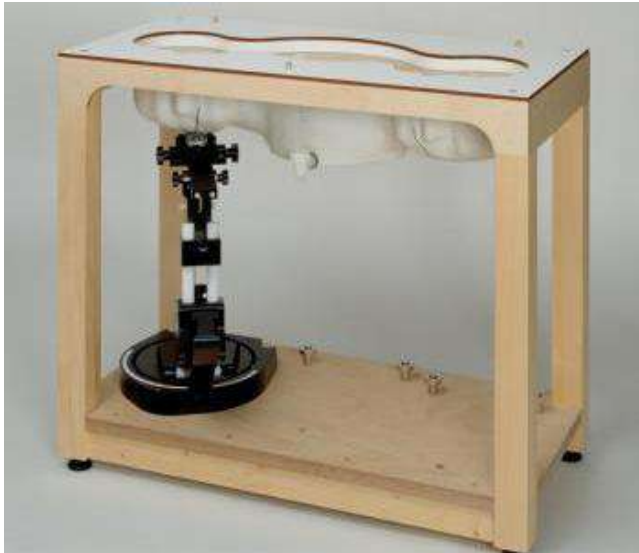
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through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



- Input Impedance: 200MΩ
- The Inputs: Symmetrical and Floating
- Common 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

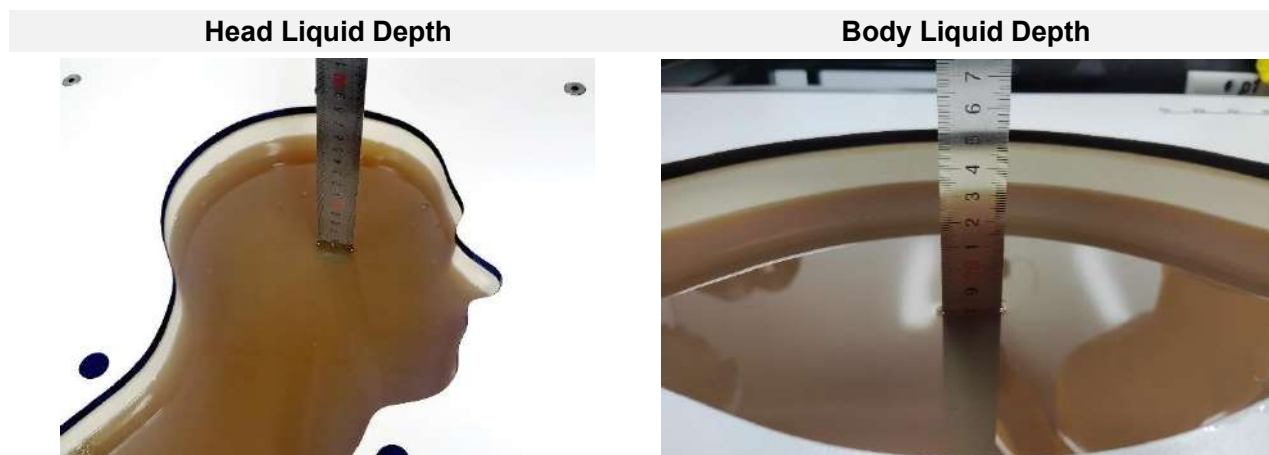
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for 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	Ethanediol, Sodium petroleum sulfonate, Hexylene Glycol / 2-Methyl-pentane-2.4-diol, Alkoxylated alcohol

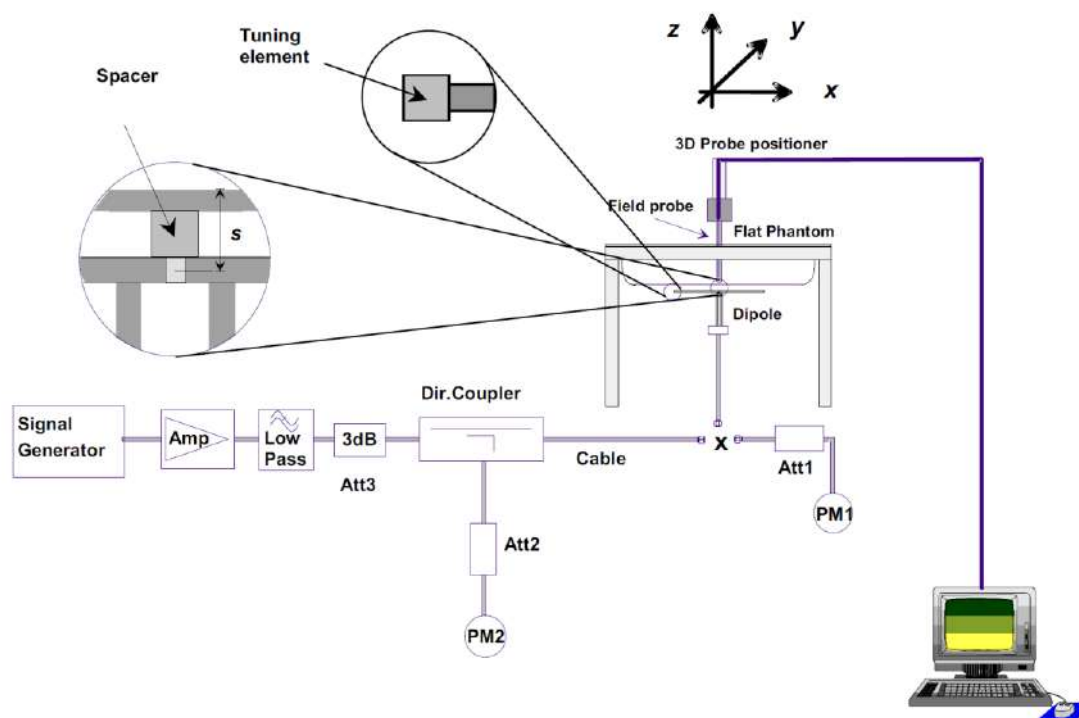
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

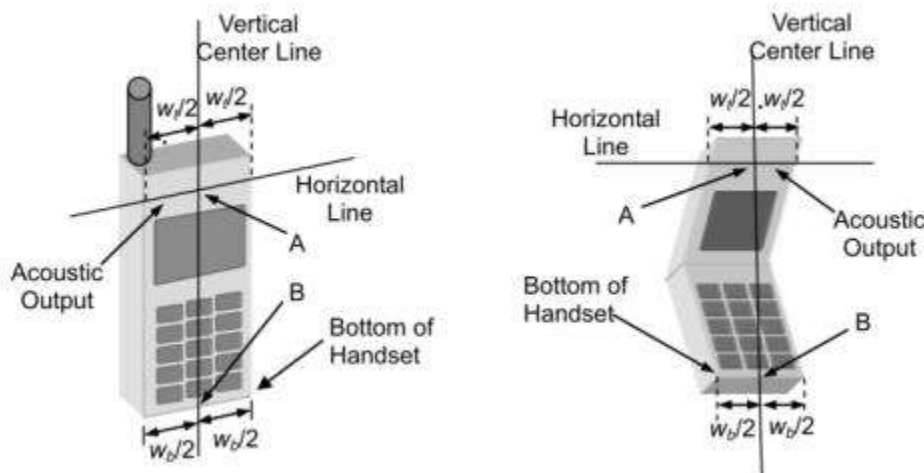
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

6.1 Head Exposure Conditions

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

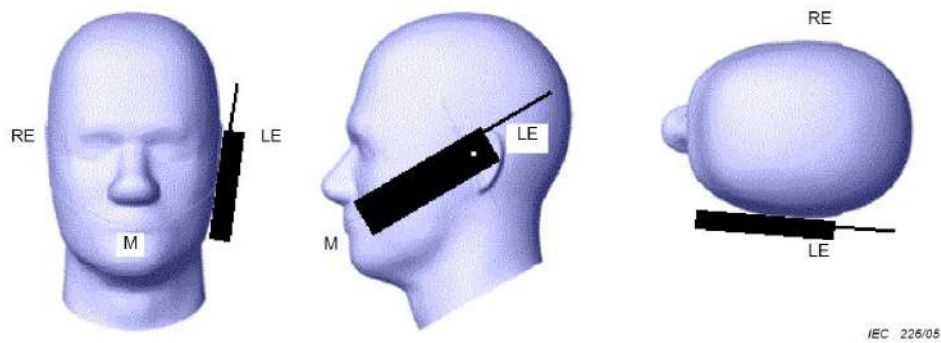
6.1.1 Two Imaginary Lines on the Handset

- 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.

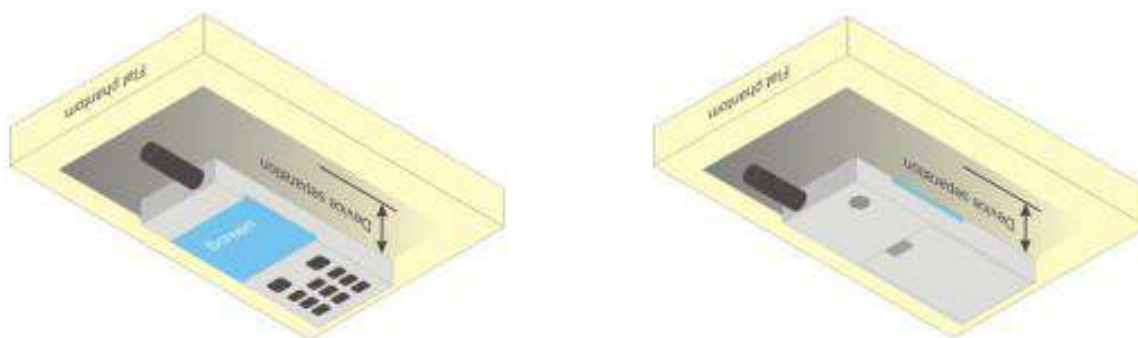


6.2 Body-worn Position Conditions

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.

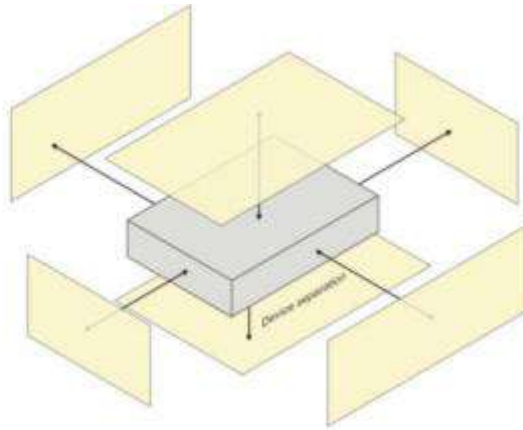
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

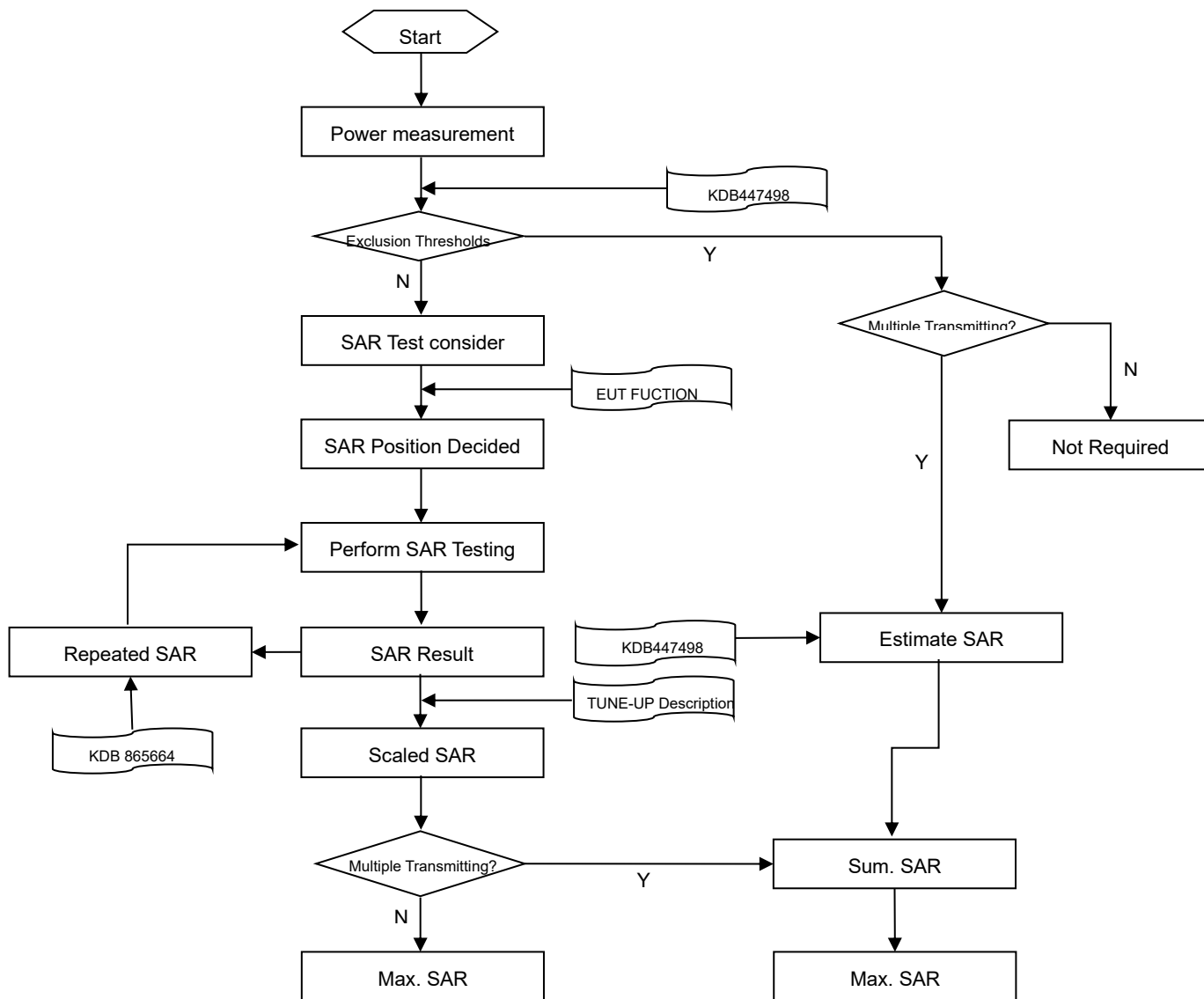
The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address 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.

6

6.

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	3–4 GHz: ≤ 3 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.

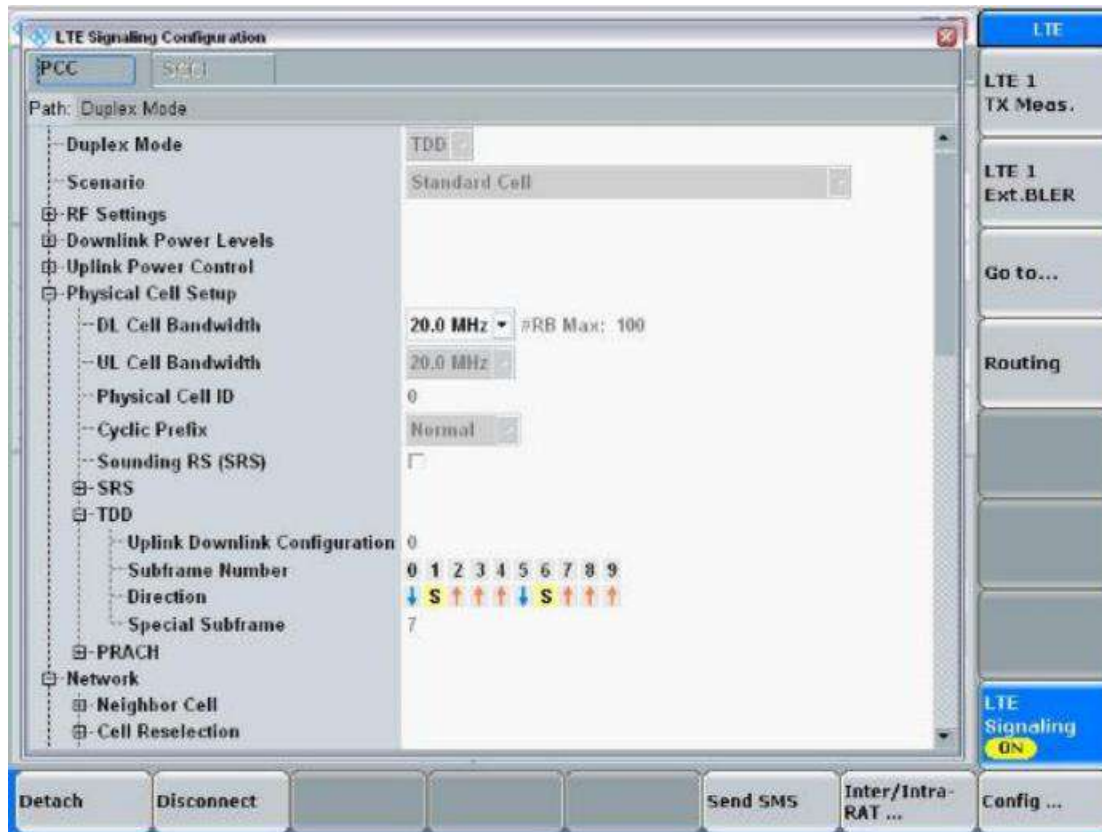
7.4 Area & Zoom Scan Procedure

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.

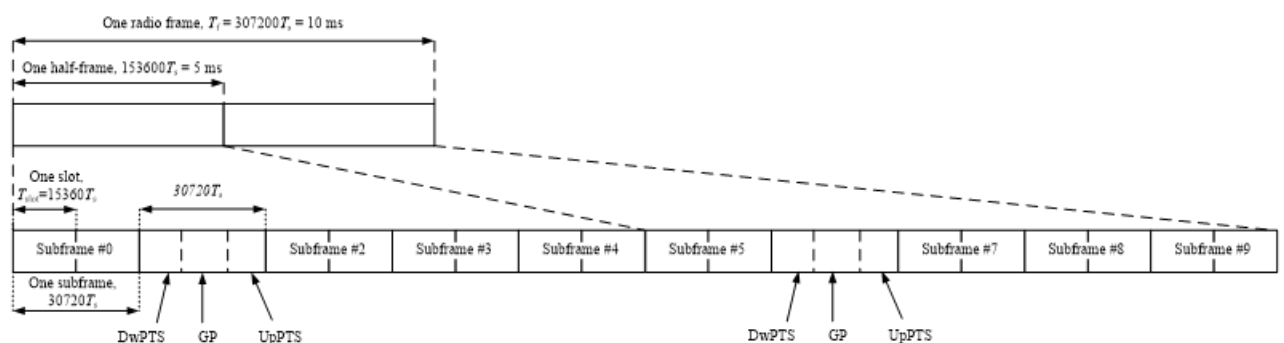
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

7.5 Area & Zoom Scan Procedure

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



According to 3GPP Per 3GPP TS 36.211. Each radio frame of length ($T_f = 307200 \cdot T_s = 10\text{ms}$) of two half-frames of length ($153600 \cdot T_s = 5\text{ms}$). Each half-frame consists of five sub-frames of length ($30720 \cdot T_s = 1\text{ms}$)



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

The length of DwPTS and UpPTS is given by below table subject to the total length of DwPTS, GP and UpPTS being equal to $30720 \cdot T_s = 1\text{ms}$.

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

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

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

Maximum uplink time of one special sub-frame=(largest cyclic prefix)/(one sub-frame of length)* time of one sub-frame= $5120 \cdot T_s / 30720 \cdot T_s \cdot 1\text{ms} = 0.167\text{ms}$

One radio frame with 6 uplink sub-frames and two special sub-frame,

there for the maximum Uplink time in one radio frame is: **$6 \cdot 1\text{ ms} + 2 \cdot 0.167\text{ ms} = 6.334\text{ms}$**

So, the duty cycle for TDD-LTE is: **$6.334\text{ms} / 10\text{ms} = 1: 1.58$**

8 CONDUCTED RF OUPUT POWER

8.1 GSM

Please refer the document “BL-SZ2481209-AP Power List.pdf”.

8.2 WCDMA

Please refer the document “BL-SZ2481209-AP Power List.pdf”.

8.3 LTE

Please refer the document “BL-SZ2481209-AP Power List.pdf”.

8.4 WIFI

8.4.1 2.4G WIFI-ANT22-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.12	18.00	Yes
		6	2437	17.14	18.00	Yes
		11	2462	17.13	18.00	Yes
	802.11g	1	2412	17.35	18.00	No
		6	2437	17.44	18.00	No
		11	2462	11.55	12.00	No
	802.11n(HT20)	1	2412	16.64	17.00	No
		6	2437	16.76	17.00	No
		11	2462	16.72	17.00	No
	802.11n(HT40)	3	2422	12.88	14.00	No
		6	2442	16.66	18.00	No
		9	2452	10.04	11.00	No
	VHT20	1	2412	16.13	17.00	No
		6	2437	15.96	17.00	No
		11	2462	15.29	17.00	No
	VHT40	3	2422	14.68	16.00	No
		6	2442	14.61	16.00	No
		9	2452	14.83	16.00	No

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

Adjusted SAR = $0.901(63.10\text{mW}/63.10\text{mW}) = 0.901\text{Kg}$, so 2.4G OFDM SAR test is not required.

8.4.2 2.4G WIFI- ANT22-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.66	17.00	Yes
		6	2437	16.53	17.00	No
		11	2462	16.55	17.00	No
	802.11g	1	2412	16.51	17.00	No
		6	2437	16.52	17.00	No
		11	2462	11.55	12.00	No
	802.11n(HT20)	1	2412	16.64	17.00	No
		6	2437	16.76	17.00	No
		11	2462	10.11	11.00	No
	802.11n(HT40)	3	2422	12.88	14.00	No
		6	2442	16.42	17.00	No
		9	2452	10.04	11.00	No
	VHT20	1	2412	16.13	17.00	No
		6	2437	15.96	17.00	No
		11	2462	15.29	17.00	No
	VHT40	3	2422	14.68	16.00	No
		6	2442	14.61	16.00	No
		9	2452	14.83	16.00	No

Note: According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.
Adjusted SAR = 0.618 (50.12mW/50.12mW) = 0.618/Kg, so 2.4G OFDM SAR test is not required.

8.4.3 2.4G WIFI- ANT22-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.33	20.00	No
		6	2437	18.24	20.00	No
		11	2462	18.31	20.00	Yes
	802.11g	1	2412	17.35	18.00	No
		6	2437	17.44	18.00	No
		11	2462	11.55	12.00	No
	802.11n(HT20)	1	2412	16.64	17.00	No
		6	2437	16.76	17.00	No
		11	2462	16.72	17.00	No
	802.11n(HT40)	3	2422	12.88	14.00	No
		6	2442	16.66	18.00	No
		9	2452	10.04	11.00	No
	VHT20	1	2412	16.13	17.00	No
		6	2437	15.96	17.00	No
		11	2462	15.29	17.00	No
	VHT40	3	2422	14.68	16.00	No
		6	2442	14.61	16.00	No
		9	2452	14.83	16.00	No

Note: According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.
Adjusted SAR = $0.193 * (63.10\text{mW}/100.00\text{mW}) = 0.122$ W/Kg, so 2.4G OFDM SAR test is not required.

8.4.4 2.4G WIFI- ANT22-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.33	20.00	No
		6	2437	18.24	20.00	No
		11	2462	18.35	20.00	Yes
	802.11g	1	2412	17.35	18.00	No
		6	2437	17.44	18.00	No
		11	2462	11.55	12.00	No
	802.11n(HT20)	1	2412	16.64	17.00	No
		6	2437	16.76	17.00	No
		11	2462	16.72	17.00	No
	802.11n(HT40)	3	2422	12.88	14.00	No
		6	2442	16.66	18.00	No
		9	2452	10.04	11.00	No
	VHT20	1	2412	16.13	17.00	No
		6	2437	15.96	17.00	No
		11	2462	15.29	17.00	No
	VHT40	3	2422	14.68	16.00	No
		6	2442	14.61	16.00	No
		9	2452	14.83	16.00	No

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

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

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

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

Adjusted SAR = $0.397 * (63.10\text{mW}/100.00\text{mW}) = 0.251$ W/Kg, so 2.4G OFDM SAR test is not required.

8.4.5 5G WIFI- ANT22-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.77	18.00	No
		44	5220	17.65	18.00	No
		48	5240	17.62	18.00	No
	802.11n(HT20)	36	5180	17.11	18.00	No
		44	5220	17.98	18.00	No
		48	5240	17.87	18.00	No
	802.11n(HT40)	38	5190	17.37	18.00	No
		46	5230	17.03	18.00	No
	802.11ac(VHT20)	36	5180	17.54	18.00	No
		44	5220	17.24	18.00	No
		48	5240	17.15	18.00	No
	802.11ac(VHT40)	38	5190	17.43	18.00	No
		46	5230	16.94	18.00	No
	802.11ac(VHT80)	42	5210	14.48	16.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.14	18.00	No
		60	5300	17.12	18.00	No
		64	5320	17.13	18.00	No
	802.11n(HT20)	52	5260	17.61	18.00	No
		60	5300	17.56	18.00	No
		64	5320	17.41	18.00	No
	802.11n(HT40)	54	5270	17.03	18.00	Yes
		62	5310	16.45	18.00	No
	802.11ac(VHT20)	52	5260	17.38	18.00	No
		60	5300	16.84	18.00	No
		64	5320	16.65	18.00	No
	802.11ac(VHT40)	54	5270	16.99	18.00	No
		62	5310	16.46	18.00	No
	802.11ac(VHT80)	58	5290	13.48	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	16.14	17.00	No
		116	5580	16.15	17.00	No
		140	5700	16.11	17.00	No
	802.11n(HT20)	100	5500	16.25	17.00	No
		116	5580	16.24	17.00	No
		140	5700	16.28	17.00	No
	802.11n(HT40)	102	5510	16.26	17.00	No
		118	5590	16.29	17.00	No

	802.11ac(VHT20)	134	5670	16.35	17.00	Yes
		100	5500	16.27	17.00	No
		116	5580	16.25	17.00	No
		140	5700	16.21	17.00	No
	802.11ac(VHT40)	102	5510	16.23	17.00	No
		118	5590	16.24	17.00	No
		134	5670	16.22	17.00	No
	802.11ac(VHT80)	106	5530	14.18	15.00	No
		122	5690	14.30	16.00	No
5.8 (5.725~5.850)	802.11a	149	5745	17.15	18.00	No
		157	5785	17.18	18.00	No
		165	5825	17.16	18.00	No
	802.11n(HT20)	149	5745	17.73	18.00	No
		157	5785	17.52	18.00	No
		165	5825	16.77	18.00	No
	802.11n(HT40)	151	5755	16.88	18.00	Yes
		159	5795	16.52	18.00	No
	802.11ac(VHT20)	149	5745	17.03	18.00	No
		157	5785	16.75	18.00	No
		165	5825	17.18	18.00	No
	802.11ac(VHT40)	151	5755	17.01	18.00	No
		159	5795	16.63	18.00	No
	802.11ac(VHT80)	155	5775	14.40	16.00	No

Note1: 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.

Note2: 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 (802.11a/n/ac) 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., 802.11a is chosen over 802.11n over 802.11ac.

8.4.6 5G WIFI- ANT22-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.31	16.00	No
		44	5220	15.23	16.00	No
		48	5240	15.14	16.00	No
	802.11n(HT20)	36	5180	15.05	16.00	No
		44	5220	15.09	16.00	No
		48	5240	15.21	16.00	No
	802.11n(HT40)	38	5190	15.34	16.00	No
		46	5230	15.30	16.00	No
	802.11ac(VHT20)	36	5180	15.32	16.00	No
		44	5220	15.07	16.00	No
		48	5240	15.11	16.00	No
	802.11ac(VHT40)	38	5190	15.11	16.00	No
		46	5230	15.20	16.00	No
	802.11ac(VHT80)	42	5210	14.48	16.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.42	16.00	No
		60	5300	14.48	16.00	No
		64	5320	14.42	16.00	No
	802.11n(HT20)	52	5260	14.54	16.00	No
		60	5300	14.40	16.00	No
		64	5320	14.46	16.00	No
	802.11n(HT40)	54	5270	14.41	16.00	No
		62	5310	14.36	16.00	Yes
	802.11ac(VHT20)	52	5260	14.36	16.00	No
		60	5300	14.44	16.00	No
		64	5320	14.45	16.00	No
	802.11ac(VHT40)	54	5270	14.42	16.00	No
		62	5310	14.54	16.00	No
	802.11ac(VHT80)	58	5290	13.48	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.58	16.00	No
		116	5580	14.48	16.00	No
		140	5700	14.53	16.00	No
	802.11n(HT20)	100	5500	14.40	16.00	No
		116	5580	14.42	16.00	No
		140	5700	14.57	16.00	No
	802.11n(HT40)	102	5510	14.51	16.00	No
		118	5590	14.44	16.00	No

		134	5670	14.38	16.00	Yes
	802.11ac(VHT20)	100	5500	14.55	16.00	No
		116	5580	14.45	16.00	No
		140	5700	14.53	16.00	No
	802.11ac(VHT40)	102	5510	14.47	16.00	No
		118	5590	14.57	16.00	No
		134	5670	14.57	16.00	No
	802.11ac(VHT80)	106	5530	14.18	15.00	No
		122	5690	14.30	16.00	YES
	5.8 (5.725~5.850)	802.11a	149	5745	15.65	17.00
157			5785	15.50	17.00	No
165			5825	15.35	17.00	No
802.11n(HT20)		149	5745	15.40	17.00	No
		157	5785	15.64	17.00	No
		165	5825	15.62	17.00	No
802.11n(HT40)		151	5755	15.45	17.00	No
		159	5795	15.42	17.00	No
802.11ac(VHT20)		149	5745	15.54	17.00	No
		157	5785	15.37	17.00	No
		165	5825	15.49	17.00	No
802.11ac(VHT40)		151	5755	15.63	17.00	No
		159	5795	15.48	17.00	No
802.11ac(VHT80)		155	5775	14.40	16.00	Yes

Note1: 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.

Note2: 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 (802.11a/n/ac) 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., 802.11a is chosen over 802.11n over 802.11ac.

8.4.7 5G WIFI- ANT22-Level3

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.80	19.00	No
		44	5220	17.85	19.00	No
		48	5240	17.86	19.00	No
	802.11n(HT20)	36	5180	17.11	18.00	No
		44	5220	17.98	18.00	No
		48	5240	17.87	18.00	No
	802.11n(HT40)	38	5190	17.37	18.00	No
		46	5230	17.03	18.00	No
	802.11ac(VHT20)	36	5180	17.54	18.00	No
		44	5220	17.24	18.00	No
		48	5240	17.15	18.00	No
	802.11ac(VHT40)	38	5190	17.43	18.00	No
		46	5230	16.94	18.00	No
	802.11ac(VHT80)	42	5210	14.48	16.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.89	19.00	Yes
		60	5300	17.88	19.00	Yes
		64	5320	17.85	19.00	Yes
	802.11n(HT20)	52	5260	17.85	18.00	No
		60	5300	17.56	18.00	No
		64	5320	17.41	18.00	No
	802.11n(HT40)	54	5270	17.03	18.00	No
		62	5310	16.45	18.00	No
	802.11ac(VHT20)	52	5260	17.38	18.00	No
		60	5300	16.84	18.00	No
		64	5320	16.65	18.00	No
	802.11ac(VHT40)	54	5270	16.99	18.00	No
		62	5310	16.46	18.00	No
	802.11ac(VHT80)	58	5290	13.48	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	16.14	17.00	No
		116	5580	16.15	17.00	No
		140	5700	16.11	17.00	No
	802.11n(HT20)	100	5500	16.25	17.00	No
		116	5580	16.24	17.00	No
		140	5700	16.28	17.00	No
	802.11n(HT40)	102	5510	16.26	17.00	Yes
		118	5590	16.29	17.00	Yes

		134	5670	16.31	17.00	Yes
	802.11ac(VHT20)	100	5500	16.27	17.00	No
		116	5580	16.25	17.00	No
		140	5700	16.21	17.00	No
	802.11ac(VHT40)	102	5510	16.23	17.00	No
		118	5590	16.24	17.00	No
		134	5670	16.22	17.00	No
	802.11ac(VHT80)	106	5530	14.18	15.00	No
		122	5690	14.30	16.00	No
	5.8 (5.725~5.850)	802.11a	149	5745	16.25	17.00
157			5785	16.22	17.00	No
165			5825	16.21	17.00	No
802.11n(HT20)		149	5745	16.20	17.00	No
		157	5785	16.11	17.00	No
		165	5825	16.77	17.00	No
802.11n(HT40)		151	5755	16.88	17.00	Yes
		159	5795	16.52	17.00	Yes
802.11ac(VHT20)		149	5745	16.00	17.00	No
		157	5785	16.75	17.00	No
		165	5825	16.00	17.00	No
802.11ac(VHT40)		151	5755	15.88	17.00	No
		159	5795	16.63	17.00	No
802.11ac(VHT80)		155	5775	14.40	16.00	No

Note1: 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.

Note2: 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 (802.11a/n/ac) 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., 802.11a is chosen over 802.11n over 802.11ac.

8.4.8 5G WIFI-ANT22-Level4

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.77	18.00	No
		44	5220	17.65	18.00	No
		48	5240	17.62	18.00	No
	802.11n(HT20)	36	5180	17.11	18.00	No
		44	5220	17.98	18.00	No
		48	5240	17.87	18.00	No
	802.11n(HT40)	38	5190	17.37	18.00	Yes
		46	5230	17.03	18.00	No
	802.11ac(VHT20)	36	5180	17.54	18.00	No
		44	5220	17.24	18.00	No
		48	5240	17.15	18.00	No
	802.11ac(VHT40)	38	5190	17.43	18.00	No
		46	5230	16.94	18.00	No
	802.11ac(VHT80)	42	5210	14.48	16.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.14	18.00	No
		60	5300	17.12	18.00	No
		64	5320	17.13	18.00	No
	802.11n(HT20)	52	5260	17.61	18.00	No
		60	5300	17.56	18.00	No
		64	5320	17.41	18.00	No
	802.11n(HT40)	54	5270	17.03	18.00	No
		62	5310	16.45	18.00	No
	802.11ac(VHT20)	52	5260	17.38	18.00	No
		60	5300	16.84	18.00	No
		64	5320	16.65	18.00	No
	802.11ac(VHT40)	54	5270	16.99	18.00	No
		62	5310	16.46	18.00	No
	802.11ac(VHT80)	58	5290	13.48	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	16.44	18.00	No
		116	5580	16.45	18.00	No
		140	5700	16.48	18.00	No
	802.11n(HT20)	100	5500	17.20	18.00	No
		116	5580	17.61	18.00	No
		140	5700	17.94	18.00	No
	802.11n(HT40)	102	5510	16.51	18.00	No
		118	5590	16.23	18.00	No

	802.11ac(VHT20)	134	5670	17.75	18.00	No
		100	5500	16.44	18.00	No
		116	5580	17.17	18.00	No
		140	5700	17.31	18.00	No
	802.11ac(VHT40)	102	5510	16.64	18.00	No
		118	5590	16.43	18.00	No
		134	5670	17.84	18.00	No
	802.11ac(VHT80)	106	5530	14.18	15.00	No
		122	5690	14.30	16.00	No
5.8 (5.725~5.850)	802.11a	149	5745	12.65	14.00	No
		157	5785	12.66	14.00	No
		165	5825	12.71	14.00	No
	802.11n(HT20)	149	5745	12.68	14.00	No
		157	5785	12.79	14.00	No
		165	5825	12.72	14.00	No
	802.11n(HT40)	151	5755	12.77	14.00	No
		159	5795	12.70	14.00	No
	802.11ac(VHT20)	149	5745	12.77	14.00	No
		157	5785	12.83	14.00	No
		165	5825	12.83	14.00	No
	802.11ac(VHT40)	151	5755	12.65	14.00	No
		159	5795	12.77	14.00	No
	802.11ac(VHT80)	155	5775	12.68	14.00	Yes

Note1: 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.

Note2: 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 (802.11a/n/ac) 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., 802.11a is chosen over 802.11n over 802.11ac.

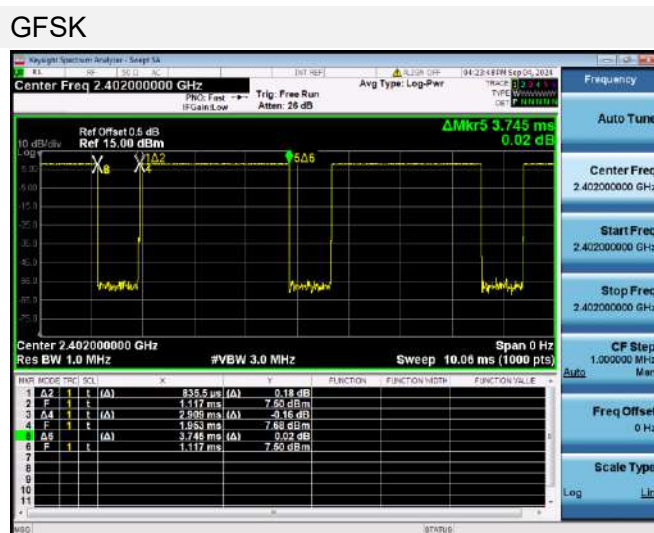
8.5 Bluetooth-ANT22

Mode	GFSK			$\pi/4$ -DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	8.07	8.24	9.33	8.78	8.94	9.83
Tune-Up Limit (dBm)	10.00	10.00	11.00	10.00	10.00	11.00
SAR Test Require	NO	NO	YES	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	8.95	9.06	9.89	/	/	/
Tune-Up Limit (dBm)	10.00	10.00	11.00	/	/	/
SAR Test Require	NO	NO	NO	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	1	19	38
Frequency (MHz)	2402	2440	2480	2404	2440	2478
Average Power (dBm)	6.65	6.15	6.87	6.64	6.11	6.77
Tune-Up Limit (dBm)	8.00	8.00	8.00	8.00	8.00	8.00
SAR Test Require	NO	NO	NO	NO	NO	NO

Note 1: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is $\leq \frac{1}{4}$ 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

DSI State	Receiver state	Test Antenna	Test Position
DSI5	Receiver On (Head scenario)	ALL Antenna	Head
DSI7	Receiver On + WLAN (Head scenario)	ALL Antenna	Head
DSI6	Receiver Off (Body scenario)	ALL Antenna	Body/Limb
DSI8	Receiver Off + WLAN (Body scenario)	ALL Antenna	Body/Limb

Mode	Antenna	WWAN Antenna 13				
		Full Power	Head		Body-worn/ Specific	Body-worn/ Hotspot/ Specific
			Receiver on		Receiver off	
			DSI5	DSI7	DSI6	DSI8
GSM 850	ANT13	34.00	32.00	29.00	34.00	34.00
GPRS850 1 Tx Slot	ANT13	34.00	32.00	29.00	34.00	34.00
GPRS850 2 Tx Slots	ANT13	32.00	29.00	27.00	32.00	32.00
GPRS850 3 Tx Slots	ANT13	30.00	27.00	25.00	30.00	30.00
GPRS850 4 Tx Slots	ANT13	28.50	25.50	23.50	28.50	28.50
EGPRS850 1 Tx Slot	ANT13	27.00	27.00	27.00	27.00	27.00
EGPRS850 2 Tx Slots	ANT13	25.50	25.50	25.50	25.50	25.50
EGPRS850 3 Tx Slots	ANT13	24.00	24.00	24.00	24.00	24.00
EGPRS850 4 Tx Slots	ANT13	23.00	23.00	23.00	23.00	23.00
GSM 1900	ANT13	30.50	24.50	21.50	28.50	25.50
GPRS1900 1 Tx Slot	ANT13	30.50	24.50	21.50	28.50	25.50
GPRS1900 2 Tx Slots	ANT13	28.50	21.50	19.50	25.50	23.50
GPRS1900 3 Tx Slots	ANT13	26.50	19.50	17.50	23.50	21.50
GPRS1900 4 Tx Slots	ANT13	25.00	18.00	16.00	22.00	20.00

EGPRS1900 1 Tx Slot	ANT13	26.00	24.00	21.00	26.00	25.00
EGPRS1900 2 Tx Slots	ANT13	24.50	21.50	19.50	24.50	23.50
EGPRS1900 3 Tx Slots	ANT13	23.00	19.00	17.00	23.00	21.00
EGPRS1900 4 Tx Slots	ANT13	21.50	17.50	15.50	21.50	19.50
WCDMA Band2 RMC	ANT13	24.50	16.00	14.00	20.50	17.50
AMR	ANT13	24.50	16.00	14.00	20.50	17.50
HSDPA Subtest-1	ANT13	23.50	15.00	13.00	19.50	16.50
HSDPA Subtest-2	ANT13	22.50	14.00	12.00	18.50	15.50
HSDPA Subtest-3	ANT13	22.00	13.50	11.50	18.00	15.00
HSDPA Subtest-4	ANT13	22.00	13.50	11.50	18.00	15.00
DC-HSDPA Subtest-1	ANT13	23.50	15.00	13.00	19.50	16.50
DC-HSDPA Subtest-2	ANT13	22.50	14.00	12.00	18.50	15.50
DC-HSDPA Subtest-3	ANT13	22.00	13.50	11.50	18.00	15.00
DC-HSDPA Subtest-4	ANT13	22.00	13.50	11.50	18.00	15.00
HSUPA Subtest-1	ANT13	21.50	13.00	11.00	17.50	14.50
HSUPA Subtest-2	ANT13	21.00	12.50	10.50	17.00	14.00
HSUPA Subtest-3	ANT13	20.50	12.00	10.00	16.50	13.50
HSUPA Subtest-4	ANT13	20.50	12.00	10.00	16.50	13.50
HSUPA Subtest-5	ANT13	23.20	14.70	12.7	19.20	16.20
HSPA+	ANT13	21.00	12.50	10.5	17.00	14.00
WCDMA Band4 RMC	ANT13	24.50	17.00	15.00	21.50	18.50
AMR	ANT13	24.50	17.00	15.00	21.50	18.50
HSDPA Subtest-1	ANT13	23.50	16.00	14.00	20.50	17.50
HSDPA Subtest-2	ANT13	22.50	15.00	13.00	19.50	16.50
HSDPA Subtest-3	ANT13	22.00	14.50	12.50	19.00	16.00
HSDPA Subtest-4	ANT13	22.00	14.50	12.50	19.00	16.00
DC-HSDPA Subtest-1	ANT13	23.50	16.00	14.00	20.50	17.50
DC-HSDPA Subtest-2	ANT13	22.50	15.00	13.00	19.50	16.50
DC-HSDPA Subtest-3	ANT13	22.00	14.50	12.50	19.00	16.00
DC-HSDPA Subtest-4	ANT13	22.00	14.50	12.50	19.00	16.00
HSUPA Subtest-1	ANT13	21.50	14.00	12.00	18.50	15.50
HSUPA Subtest-2	ANT13	21.00	13.50	11.50	18.00	15.00
HSUPA Subtest-3	ANT13	20.50	13.00	11.00	17.50	14.50
HSUPA Subtest-4	ANT13	20.50	13.00	11.00	17.50	14.50
HSUPA Subtest-5	ANT13	23.20	15.70	13.70	20.20	17.20
HSPA+	ANT13	21.00	13.50	11.50	18.00	15.00
WCDMA Band5 RMC	ANT13	25.00	22.00	20.00	25.00	24.00
AMR	ANT13	25.00	22.00	20.00	25.00	24.00
HSDPA Subtest-1	ANT13	24.00	21.00	19.00	24.00	23.00
HSDPA Subtest-2	ANT13	23.50	20.50	18.50	23.50	22.50
HSDPA Subtest-3	ANT13	23.00	20.00	18.00	23.00	22.00
HSDPA Subtest-4	ANT13	23.00	20.00	18.00	23.00	22.00
DC-HSDPA Subtest-1	ANT13	24.00	21.00	19.00	24.00	23.00

DC-HSDPA Subtest-2	ANT13	23.50	20.50	18.50	23.50	22.50
DC-HSDPA Subtest-3	ANT13	23.00	20.00	18.00	23.00	22.00
DC-HSDPA Subtest-4	ANT13	23.00	20.00	18.00	23.00	22.00
HSUPA Subtest-1	ANT13	22.00	19.00	17.00	22.00	21.00
HSUPA Subtest-2	ANT13	22.50	19.50	17.50	22.50	21.50
HSUPA Subtest-3	ANT13	22.50	19.50	17.50	22.50	21.50
HSUPA Subtest-4	ANT13	21.30	18.30	16.30	21.30	20.30
HSUPA Subtest-5	ANT13	24.40	21.40	19.40	24.40	23.40
HSPA+	ANT13	22.50	19.50	17.50	22.50	21.50
LTE Band2	ANT13	24.50	14.00	12.50	18.00	15.50
LTE Band4	ANT13	24.50	16.00	14.00	21.00	19.00
LTE Band5	ANT13	25.00	22.50	21.00	25.00	24.50
LTE Band7	ANT13	24.50	16.50	14.50	18.00	15.50
LTE Band13	ANT13	25.00	25.00	24.50	25.00	24.50
LTE Band18	ANT13	25.00	23.00	21.00	23.00	22.00
LTE Band19	ANT13	25.00	22.50	21.00	25.00	24.50
LTE Band26	ANT13	25.00	22.50	21.00	25.00	25.00
LTE Band66	ANT13	24.50	17.00	15.00	20.50	18.50
LTE Band38	ANT13	25.00	20.00	18.00	20.00	17.50
LTE Band41	ANT13	25.00	20.00	18.00	20.00	17.50

Mode	Antenna	WWAN Antenna 31				
		Full Power	Head		Body-worn/ Specific	Body-worn/ Hotspot/ Specific
			Receiver on		Receiver off	
			DSI5	DSI7	DSI6	DSI8
GSM 850	ANT31	34.00	34.00	34.00	34.00	33.00
GPRS850 1 Tx Slot	ANT31	34.00	34.00	34.00	34.00	33.00
GPRS850 2 Tx Slots	ANT31	32.00	32.00	32.00	32.00	31.00
GPRS850 3 Tx Slots	ANT31	30.00	30.00	30.00	30.00	29.00
GPRS850 4 Tx Slots	ANT31	28.50	28.50	28.50	28.50	27.50
EGPRS850 1 Tx Slot	ANT31	27.00	27.00	27.00	27.00	27.00
EGPRS850 2 Tx Slots	ANT31	25.50	25.50	25.50	25.50	25.50
EGPRS850 3 Tx Slots	ANT31	24.00	24.00	24.00	24.00	24.00
EGPRS850 4 Tx Slots	ANT31	23.00	23.00	23.00	23.00	23.00
GSM 1900	ANT31	30.50	30.50	30.50	29.50	28.50
GPRS1900 1 Tx Slot	ANT31	30.50	30.50	30.50	29.50	28.50
GPRS1900 2 Tx Slots	ANT31	28.50	28.50	28.50	27.50	26.50
GPRS1900 3 Tx Slots	ANT31	26.50	26.50	26.50	25.50	24.50
GPRS1900 4 Tx Slots	ANT31	25.00	25.00	25.00	24.00	23.00
EGPRS1900 1 Tx Slot	ANT31	26.00	26.00	26.00	26.00	26.00
EGPRS1900 2 Tx Slots	ANT31	24.50	24.50	24.50	24.50	24.50
EGPRS1900 3 Tx Slots	ANT31	23.00	23.00	23.00	23.00	23.00

EGPRS1900 4 Tx Slots	ANT31	21.50	21.50	21.50	21.50	21.50
WCDMA Band2 RMC	ANT31	24.50	24.50	24.50	22.50	21.00
AMR	ANT31	24.50	24.50	24.50	22.50	21.00
HSDPA Subtest-1	ANT31	23.50	23.50	23.50	21.50	20.00
HSDPA Subtest-2	ANT31	22.50	22.50	22.50	20.50	19.00
HSDPA Subtest-3	ANT31	22.00	22.00	22.00	20.00	18.50
HSDPA Subtest-4	ANT31	22.00	22.00	22.00	20.00	18.50
DC-HSDPA Subtest-1	ANT31	23.50	23.50	23.50	21.50	20.00
DC-HSDPA Subtest-2	ANT31	22.50	22.50	22.50	20.50	19.00
DC-HSDPA Subtest-3	ANT31	22.00	22.00	22.00	20.00	18.50
DC-HSDPA Subtest-4	ANT31	22.00	22.00	22.00	20.00	18.50
HSUPA Subtest-1	ANT31	21.50	21.50	21.50	19.50	18.00
HSUPA Subtest-2	ANT31	21.00	21.00	21.00	19.00	17.50
HSUPA Subtest-3	ANT31	20.50	20.50	20.50	18.50	17.00
HSUPA Subtest-4	ANT31	20.50	20.50	20.50	18.50	17.00
HSUPA Subtest-5	ANT31	23.20	23.20	23.20	21.20	19.70
HSPA+	ANT31	21.00	21.00	21.00	19.00	17.50
WCDMA Band4 RMC	ANT31	24.50	24.50	24.50	22.50	21.00
AMR	ANT31	24.50	24.50	24.50	22.50	21.00
HSDPA Subtest-1	ANT31	23.50	23.50	23.50	21.50	20.00
HSDPA Subtest-2	ANT31	22.50	22.50	22.50	20.50	19.00
HSDPA Subtest-3	ANT31	22.00	22.00	22.00	20.00	18.50
HSDPA Subtest-4	ANT31	22.00	22.00	22.00	20.00	18.50
DC-HSDPA Subtest-1	ANT31	23.50	23.50	23.50	21.50	20.00
DC-HSDPA Subtest-2	ANT31	22.50	22.50	22.50	20.50	19.00
DC-HSDPA Subtest-3	ANT31	22.00	22.00	22.00	20.00	18.50
DC-HSDPA Subtest-4	ANT31	22.00	22.00	22.00	20.00	18.50
HSUPA Subtest-1	ANT31	21.50	21.50	21.50	19.50	18.00
HSUPA Subtest-2	ANT31	21.00	21.00	21.00	19.00	17.50
HSUPA Subtest-3	ANT31	20.50	20.50	20.50	18.50	17.00
HSUPA Subtest-4	ANT31	20.50	20.50	20.50	18.50	17.00
HSUPA Subtest-5	ANT31	23.20	23.20	23.20	21.20	19.70
HSPA+	ANT31	21.00	21.00	21.00	19.00	17.50
WCDMA Band5 RMC	ANT31	25.00	25.00	25.00	25.00	25.00
AMR	ANT31	25.00	25.00	25.00	25.00	25.00
HSDPA Subtest-1	ANT31	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-2	ANT31	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-3	ANT31	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-4	ANT31	23.00	23.00	23.00	23.00	23.00
DC-HSDPA Subtest-1	ANT31	24.00	24.00	24.00	24.00	24.00
DC-HSDPA Subtest-2	ANT31	23.50	23.50	23.50	23.50	23.50
DC-HSDPA Subtest-3	ANT31	23.00	23.00	23.00	23.00	23.00
DC-HSDPA Subtest-4	ANT31	23.00	23.00	23.00	23.00	23.00

HSUPA Subtest-1	ANT31	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-2	ANT31	22.50	22.50	22.50	22.50	22.50
HSUPA Subtest-3	ANT31	22.50	22.50	22.50	22.50	22.50
HSUPA Subtest-4	ANT31	21.30	21.30	21.30	21.30	21.30
HSUPA Subtest-5	ANT31	24.40	24.40	24.40	24.40	24.40
HSPA+	ANT31	22.50	22.50	22.50	22.50	22.50
LTE Band2	ANT31	24.50	24.50	24.50	22.00	20.50
LTE Band4	ANT31	24.50	24.50	24.50	22.50	21.00
LTE Band5	ANT31	25.00	25.00	25.00	25.00	24.50
LTE Band7	ANT31	24.50	24.50	24.50	22.00	20.50
LTE Band13	ANT31	25.00	25.00	25.00	25.00	25.00
LTE Band18	ANT31	25.00	25.00	25.00	25.00	25.00
LTE Band19	ANT31	25.00	25.00	25.00	25.00	24.50
LTE Band26	ANT31	25.00	25.00	25.00	25.00	24.00
LTE Band66	ANT31	24.50	24.50	24.5	22.5	20.50
LTE Band38	ANT31	25.00	25.00	25	25	24.00
LTE Band41	ANT31	25.00	25.00	25	25	24.00

WLAN&BT Reduced power level table

Reduced State	Receiver state	Transmitting conditions
Level1	On (Head scenario)	WIFI Only
Level2	On (Head scenario)	WWAN+WIFI2.4G; WWAN+WIFI5G+BT
Level3	Off (Body scenario))	WIFI Only
Level4	Off (Body scenario))	WWAN+WIFI2.4G; WWAN+WIFI5G+BT

Mode	Antenna	WLAN Antenna Chain0				
		Full Power	Head		Body-worn/ Specific	Body-worn/ Hotspot/ Specific
			Receiver on		Receiver off	
			Level1	Level2	Level3	Level4
2.4G WLAN 802.11b	ANT22	20.00	18.00	17.00	20.00	20.00
2.4G WLAN 802.11g	ANT22	18.00	18.00	17.00	18.00	18.00
2.4G WLAN 802.11n20	ANT22	17.00	17.00	17.00	17.00	17.00
2.4G WLAN 802.11n40	ANT22	18.00	18.00	17.00	18.00	18.00
2.4G WLAN 802.11ac20	ANT22	17.00	17.00	17.00	17.00	17.00
2.4G WLAN 802.11ac40	ANT22	16.00	16.00	16.00	16.00	16.00
5.2G WLAN 802.11a	ANT22	20.00	18.00	16.00	19.00	18.00
5.2G WLAN 802.11n20	ANT22	18.00	18.00	16.00	18.00	18.00
5.2G WLAN 802.11n40	ANT22	18.00	18.00	16.00	18.00	18.00
5.2G WLAN 802.11ac20	ANT22	18.00	18.00	16.00	18.00	18.00
5.2G WLAN 802.11ac40	ANT22	18.00	18.00	16.00	18.00	18.00
5.2G WLAN 802.11ac80	ANT22	16.00	16.00	16.00	16.00	16.00
5.3G WLAN 802.11a	ANT22	20.00	18.00	16.00	19.00	18.00
5.3G WLAN 802.11n20	ANT22	18.00	18.00	16.00	18.00	18.00
5.3G WLAN 802.11n40	ANT22	18.00	18.00	16.00	18.00	18.00
5.3G WLAN 802.11ac20	ANT22	18.00	18.00	16.00	18.00	18.00
5.3G WLAN 802.11ac40	ANT22	18.00	18.00	16.00	18.00	18.00
5.3G WLAN 802.11ac80	ANT22	16.00	16.00	16.00	16.00	16.00
5.6G WLAN 802.11a	ANT22	20.00	17.00	16.00	17.00	18.00
5.6G WLAN 802.11n20	ANT22	18.00	17.00	16.00	17.00	18.00
5.6G WLAN 802.11n40	ANT22	18.00	17.00	16.00	17.00	18.00
5.6G WLAN 802.11ac20	ANT22	18.00	17.00	16.00	17.00	18.00
5.6G WLAN 802.11ac40	ANT22	18.00	17.00	16.00	17.00	18.00
5.6G WLAN 802.11ac80	ANT22	16.00	16.00	16.00	16.00	16.00
5.8G WLAN 802.11a	ANT22	20.00	18.00	17.00	17.00	14.00
5.8G WLAN 802.11n20	ANT22	18.00	18.00	17.00	17.00	14.00

5.8G WLAN 802.11n40	ANT22	18.00	18.00	17.00	17.00	14.00
5.8G WLAN 802.11ac20	ANT22	18.00	18.00	17.00	17.00	14.00
5.8G WLAN 802.11ac40	ANT22	18.00	18.00	17.00	17.00	14.00
5.8G WLAN 802.11ac80	ANT22	16.00	16.00	16.00	16.00	14.00
Bluetooth	ANT22	11.00	11.00	11.00	11.00	11.00

9 TEST EXCLUSION CONSIDERATION

For antenna location and support bands please refer the document “BL-SZ2481209-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.13	<25	<25	>25	<25	<25	>25
Ant.31	<25	<25	<25	<25	>25	<25
Ant.22	<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.13	DSI5	2Slots	Left Cheek	0	251	848.8	-0.03	0.188	27.66	29.00	1.361	0.256	/
	DSI5		Left Tilt	0	251	848.8	0.13	0.227	27.66	29.00	1.361	0.309	/
	DSI5		Right Cheek	0	251	848.8	-0.03	0.334	27.66	29.00	1.361	0.455	1#
	DSI5		Right Tilt	0	251	848.8	0.12	0.294	27.66	29.00	1.361	0.400	/
Ant.13	DSI7	2Slots	Left Cheek	0	251	848.8	-0.04	0.169	25.62	27.00	1.374	0.232	/
	DSI7		Left Tilt	0	251	848.8	-0.10	0.114	25.62	27.00	1.374	0.157	/
	DSI7		Right Cheek	0	251	848.8	0.07	0.162	25.62	27.00	1.374	0.223	/
	DSI7		Right Tilt	0	251	848.8	0.15	0.147	25.62	27.00	1.374	0.202	/
Ant.31	DSI5&7	2Slots	Left Cheek	0	190	836.6	-0.10	0.051	32.00	32.00	1.000	0.051	/
	DSI5&7		Left Tilt	0	190	836.6	-0.07	0.026	32.00	32.00	1.000	0.026	/
	DSI5&7		Right Cheek	0	190	836.6	-0.06	0.039	32.00	32.00	1.000	0.039	/
	DSI5&7		Right Tilt	0	190	836.6	0.01	0.019	32.00	32.00	1.000	0.019	/
Body-worn													
Ant.13	DSI6	2Slots	Front Side	15	190	836.6	0.12	0.100	30.45	32.00	1.429	0.143	/
	DSI6		Back Side	15	190	836.6	0.00	0.137	30.45	32.00	1.429	0.196	2#
Ant.31	DSI6	2Slots	Front Side	15	190	836.6	-0.01	0.065	32.00	32.00	1.000	0.065	/
	DSI6		Back Side	15	190	836.6	-0.10	0.076	32.00	32.00	1.000	0.076	/
Hotspot													
Ant.13	DSI8	2Slots	Front Side	10	190	836.6	0.12	0.169	30.45	32.00	1.429	0.242	/
	DSI8		Back Side	10	190	836.6	0.00	0.265	30.45	32.00	1.429	0.379	3#
	DSI8		Right Edge	10	190	836.6	0.11	0.077	30.45	32.00	1.429	0.110	/
	DSI8		Top Edge	10	190	836.6	-0.10	0.148	30.45	32.00	1.429	0.211	/
Ant.31	DSI8	2Slots	Front Side	10	190	836.6	-0.02	0.079	29.40	31.00	1.445	0.114	/
	DSI8		Back Side	10	190	836.6	-0.02	0.134	29.40	31.00	1.445	0.194	/
	DSI8		Left Edge	10	190	836.6	0.11	0.076	29.40	31.00	1.445	0.110	/
	DSI8		Right Edge	10	190	836.6	-0.15	0.149	29.40	31.00	1.445	0.215	/
	DSI8		Bottom Edge	10	190	836.6	0.01	0.082	29.40	31.00	1.445	0.118	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.2 GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.13	DSI5	2Slots	Left Cheek	0	810	1909.8	-0.04	0.199	20.84	21.50	1.164	0.232	/
	DSI5		Left Tilt	0	810	1909.8	0.03	0.261	20.84	21.50	1.164	0.304	/
	DSI5		Right Cheek	0	810	1909.8	-0.03	0.372	20.84	21.50	1.164	0.433	/
	DSI5		Right Tilt	0	810	1909.8	-0.03	0.487	20.84	21.50	1.164	0.567	4#
Ant.13	DSI7	2Slots	Left Cheek	0	810	1909.8	0.15	0.100	18.85	19.50	1.161	0.116	/
	DSI7		Left Tilt	0	810	1909.8	0.12	0.131	18.85	19.50	1.161	0.152	/
	DSI7		Right Cheek	0	810	1909.8	-0.11	0.186	18.85	19.50	1.161	0.216	/
	DSI7		Right Tilt	0	810	1909.8	0.09	0.217	18.85	19.50	1.161	0.252	/
Ant.31	DSI5&7	2Slots	Left Cheek	0	810	1909.8	-0.06	0.085	27.05	28.50	1.396	0.119	/
	DSI5&7		Left Tilt	0	810	1909.8	0.13	0.034	27.05	28.50	1.396	0.047	/
	DSI5&7		Right Cheek	0	810	1909.8	0.11	0.099	27.05	28.50	1.396	0.138	/
	DSI5&7		Right Tilt	0	810	1909.8	-0.02	0.045	27.05	28.50	1.396	0.063	/
Body-worn													
Ant.13	DSI6	2Slots	Front Side	15	661	1880	0.09	0.098	24.73	25.50	1.194	0.117	/
	DSI6		Back Side	15	661	1880	0.00	0.173	24.73	25.50	1.194	0.207	5#
Ant.31	DSI6	2Slots	Front Side	15	661	1880	-0.10	0.049	26.18	27.50	1.355	0.066	/
	DSI6		Back Side	15	661	1880	0.14	0.077	26.18	27.50	1.355	0.104	/
Hotspot													
Ant.13	DSI8	2Slots	Front Side	10	661	1880	0.07	0.052	22.81	23.50	1.172	0.061	/
	DSI8		Back Side	10	661	1880	0.06	0.351	22.81	23.50	1.172	0.411	/
	DSI8		Right Edge	10	661	1880	0.11	0.309	22.81	23.50	1.172	0.362	/
	DSI8		Top Edge	10	661	1880	0.00	0.372	22.81	23.50	1.172	0.436	6#
Ant.31	DSI8	2Slots	Front Side	10	661	1880	-0.01	0.103	25.38	26.50	1.294	0.133	/
	DSI8		Back Side	10	661	1880	-0.10	0.188	25.38	26.50	1.294	0.243	/
	DSI8		Left Edge	10	661	1880	0.10	0.066	25.38	26.50	1.294	0.085	/
	DSI8		Right Edge	10	661	1880	-0.07	0.022	25.38	26.50	1.294	0.028	/
	DSI8		Bottom Edge	10	661	1880	-0.01	0.248	25.38	26.50	1.294	0.321	/
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.13	DSI5	RMC	Left Cheek	0	9400	1880	-0.01	0.327	15.92	16.00	1.019	0.333	/
	DSI5		Left Tilt	0	9400	1880	0.06	0.415	15.92	16.00	1.019	0.423	/
	DSI5		Right Cheek	0	9400	1880	-0.07	0.496	15.92	16.00	1.019	0.505	/
	DSI5		Right Tilt	0	9400	1880	-0.03	0.607	15.92	16.00	1.019	0.619	7#
Ant.13	DSI7	RMC	Left Cheek	0	9400	1880	0.07	0.207	13.98	14.00	1.005	0.208	/
	DSI7		Left Tilt	0	9400	1880	0.07	0.262	13.98	14.00	1.005	0.263	/
	DSI7		Right Cheek	0	9400	1880	0.07	0.312	13.98	14.00	1.005	0.314	/
	DSI7		Right Tilt	0	9400	1880	-0.12	0.377	13.98	14.00	1.005	0.379	/
Ant.31	DSI5&7	RMC	Left Cheek	0	9400	1880	-0.02	0.131	23.69	24.50	1.205	0.158	/
	DSI5&7		Left Tilt	0	9400	1880	0.03	0.063	23.69	24.50	1.205	0.076	/
	DSI5&7		Right Cheek	0	9400	1880	-0.14	0.100	23.69	24.50	1.205	0.121	/
	DSI5&7		Right Tilt	0	9400	1880	0.01	0.064	23.69	24.50	1.205	0.077	/
Body-worn													
Ant.13	DSI6	RMC	Front Side	15	9400	1880	-0.07	0.083	19.60	20.50	1.230	0.102	/
	DSI6		Back Side	15	9400	1880	0.07	0.177	19.6 0	20.50	1.230	0.218	8#
Ant.31	DSI6	RMC	Front Side	15	9400	1880	0.02	0.066	22.18	22.50	1.076	0.071	/
	DSI6		Back Side	15	9400	1880	0.06	0.100	22.18	22.50	1.076	0.108	/
Hotspot													
Ant.13	DSI8	RMC	Front Side	10	9400	1880	-0.09	0.177	17.38	17.50	1.028	0.182	/
	DSI8		Back Side	10	9400	1880	0.06	0.316	17.38	17.50	1.028	0.325	/
	DSI8		Right Edge	10	9400	1880	-0.14	0.061	17.38	17.50	1.028	0.063	/
	DSI8		Top Edge	10	9400	1880	0.14	0.281	17.38	17.50	1.028	0.289	/
Ant.31	DSI8	RMC	Front Side	10	9400	1880	-0.12	0.171	20.60	21.00	1.096	0.187	/
	DSI8		Back Side	10	9400	1880	-0.15	0.298	20.60	21.00	1.096	0.327	/
	DSI8		Left Edge	10	9400	1880	0.05	0.074	20.60	21.00	1.096	0.081	/
	DSI8		Right Edge	10	9400	1880	0.07	0.033	20.60	21.00	1.096	0.036	/
	DSI8		Bottom Edge	10	9400	1880	0.00	0.467	20.60	21.00	1.096	0.512	9#
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.13	DSI5	RMC	Left Cheek	0	1513	1752.6	-0.03	0.149	16.68	17.00	1.076	0.160	/
	DSI5		Left Tilt	0	1513	1752.6	0.08	0.189	16.68	17.00	1.076	0.203	/
	DSI5		Right Cheek	0	1513	1752.6	-0.11	0.253	16.68	17.00	1.076	0.272	/
	DSI5		Right Tilt	0	1513	1752.6	-0.04	0.349	16.68	17.00	1.076	0.376	10#
Ant.13	DSI7	RMC	Left Cheek	0	1513	1752.6	0.13	0.094	14.99	15.00	1.002	0.094	/
	DSI7		Left Tilt	0	1513	1752.6	-0.11	0.119	14.99	15.00	1.002	0.119	/
	DSI7		Right Cheek	0	1513	1752.6	0.13	0.159	14.99	15.00	1.002	0.159	/
	DSI7		Right Tilt	0	1513	1752.6	-0.15	0.218	14.99	15.00	1.002	0.218	/
Ant.31	DSI5&7	RMC	Left Cheek	0	1312	1712.4	-0.11	0.052	23.51	24.50	1.256	0.065	/
	DSI5&7		Left Tilt	0	1312	1712.4	0.00	0.040	23.51	24.50	1.256	0.050	/
	DSI5&7		Right Cheek	0	1312	1712.4	-0.15	0.035	23.51	24.50	1.256	0.044	/
	DSI5&7		Right Tilt	0	1312	1712.4	0.08	0.020	23.51	24.50	1.256	0.025	/
Body-worn													
Ant.13	DSI6	RMC	Front Side	15	1312	1712.4	0.11	0.140	21.48	21.50	1.005	0.141	/
	DSI6		Back Side	15	1312	1712.4	0.00	0.218	21.48	21.50	1.005	0.219	11#
Ant.31	DSI6	RMC	Front Side	15	1312	1712.4	-0.02	0.102	22.40	22.50	1.023	0.104	/
	DSI6		Back Side	15	1312	1712.4	0.03	0.156	22.40	22.50	1.023	0.160	/
Hotspot													
Ant.13	DSI8	RMC	Front Side	10	1312	1712.4	0.09	0.043	18.48	18.50	1.005	0.043	/
	DSI8		Back Side	10	1312	1712.4	0.09	0.226	18.48	18.50	1.005	0.227	/
	DSI8		Right Edge	10	1312	1712.4	0.04	0.263	18.48	18.50	1.005	0.264	/
	DSI8		Top Edge	10	1312	1712.4	0.00	0.285	18.48	18.50	1.005	0.286	12#
Ant.31	DSI8	RMC	Front Side	10	1312	1712.4	-0.05	0.089	20.98	21.00	1.005	0.089	/
	DSI8		Back Side	10	1312	1712.4	0.02	0.164	20.98	21.00	1.005	0.165	/
	DSI8		Left Edge	10	1312	1712.4	0.13	0.020	20.98	21.00	1.005	0.020	/
	DSI8		Right Edge	10	1312	1712.4	-0.11	0.005	20.98	21.00	1.005	0.005	/
	DSI8		Bottom Edge	10	1312	1712.4	-0.08	0.236	20.98	21.00	1.005	0.237	/
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.13	DSI5	RMC	Left Cheek	0	4182	836.4	-0.01	0.473	20.88	22.00	1.294	0.612	/
	DSI5		Left Tilt	0	4182	836.4	-0.11	0.385	20.88	22.00	1.294	0.498	/
	DSI5		Right Cheek	0	4182	836.4	0.10	0.433	20.88	22.00	1.294	0.560	/
	DSI5		Right Tilt	0	4182	836.4	-0.06	0.493	20.88	22.00	1.294	0.638	13#
Ant.13	DSI7	RMC	Left Cheek	0	4182	836.4	0.12	0.299	18.87	20.00	1.297	0.388	/
	DSI7		Left Tilt	0	4182	836.4	0.06	0.243	18.87	20.00	1.297	0.315	/
	DSI7		Right Cheek	0	4182	836.4	-0.13	0.273	18.87	20.00	1.297	0.354	/
	DSI7		Right Tilt	0	4182	836.4	0.07	0.311	18.87	20.00	1.297	0.403	/
Ant.31	DSI5&7	RMC	Left Cheek	0	4182	836.4	-0.02	0.107	24.09	25.00	1.233	0.132	/
	DSI5&7		Left Tilt	0	4182	836.4	-0.13	0.056	24.09	25.00	1.233	0.069	/
	DSI5&7		Right Cheek	0	4182	836.4	0.03	0.087	24.09	25.00	1.233	0.107	/
	DSI5&7		Right Tilt	0	4182	836.4	-0.04	0.050	24.09	25.00	1.233	0.062	/
Body-worn													
Ant.13	DSI6	RMC	Front Side	15	4182	836.4	-0.12	0.155	23.91	25.00	1.285	0.199	/
	DSI6		Back Side	15	4182	836.4	0.00	0.196	23.91	25.00	1.285	0.252	14#
Ant.31	DSI6	RMC	Front Side	15	4182	836.4	-0.02	0.124	24.09	25.00	1.233	0.153	/
	DSI6		Back Side	15	4182	836.4	0.02	0.116	24.09	25.00	1.233	0.143	/
Hotspot													
Ant.13	DSI8	RMC	Front Side	10	4182	836.4	0.12	0.128	22.78	24.00	1.324	0.169	/
	DSI8		Back Side	10	4182	836.4	0.00	0.197	22.78	24.00	1.324	0.261	15#
	DSI8		Right Edge	10	4182	836.4	-0.10	0.055	22.78	24.00	1.324	0.073	/
	DSI8		Top Edge	10	4182	836.4	-0.03	0.165	22.78	24.00	1.324	0.218	/
Ant.31	DSI8	RMC	Front Side	10	4182	836.4	0.02	0.086	24.09	25.00	1.233	0.106	/
	DSI8		Back Side	10	4182	836.4	0.02	0.128	24.09	25.00	1.233	0.158	/
	DSI8		Left Edge	10	4182	836.4	-0.01	0.049	24.09	25.00	1.233	0.060	/
	DSI8		Right Edge	10	4182	836.4	0.02	0.104	24.09	25.00	1.233	0.128	/
	DSI8		Bottom Edge	10	4182	836.4	0.05	0.095	24.09	25.00	1.233	0.117	/
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. 13	DSI5	QPSK	Left Cheek	0	19100	1900	1	Low	0.04	0.218	13.98	14.00	1.005	0.219	/
	DSI5		Left Tilt	0	19100	1900	1	Low	-0.04	0.277	13.98	14.00	1.005	0.278	/
	DSI5		Right Cheek	0	19100	1900	1	Low	-0.07	0.360	13.98	14.00	1.005	0.362	/
	DSI5		Right Tilt	0	18900	1900	1	Low	0.07	0.418	13.98	14.00	1.005	0.420	16#
	DSI5		Left Cheek	0	19100	1900	50	Low	0.15	0.179	13.61	14.00	1.094	0.196	/
	DSI5		Left Tilt	0	19100	1900	50	Low	0.11	0.230	13.61	14.00	1.094	0.252	/
	DSI5		Right Cheek	0	19100	1900	50	Low	-0.02	0.311	13.61	14.00	1.094	0.340	/
	DSI5		Right Tilt	0	19100	1900	50	Low	0.00	0.354	13.61	14.00	1.094	0.387	/
Ant.13	DSI7	QPSK	Left Cheek	0	19100	1900	1	Low	-0.15	0.155	12.02	12.50	1.117	0.173	/
	DSI7		Left Tilt	0	19100	1900	1	Low	-0.12	0.197	12.02	12.50	1.117	0.220	/
	DSI7		Right Cheek	0	19100	1900	1	Low	0.11	0.254	12.02	12.50	1.117	0.284	/
	DSI7		Right Tilt	0	19100	1900	1	Low	-0.12	0.295	12.02	12.50	1.117	0.330	/
	DSI7		Left Cheek	0	19100	1900	50	Low	-0.04	0.126	12.40	12.50	1.023	0.129	/
	DSI7		Left Tilt	0	19100	1900	50	Low	0.12	0.163	12.40	12.50	1.023	0.167	/
	DSI7		Right Cheek	0	19100	1900	50	Low	0.14	0.220	12.40	12.50	1.023	0.225	/
	DSI7		Right Tilt	0	19100	1900	50	Low	-0.06	0.251	12.40	12.50	1.023	0.257	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	18900	1880	1	Mid	-0.12	0.140	23.68	24.50	1.208	0.169	/
	DSI5&7		Left Tilt	0	18900	1880	1	Mid	0.14	0.054	23.68	24.50	1.208	0.065	/
	DSI5&7		Right Cheek	0	18900	1880	1	Mid	-0.13	0.100	23.68	24.50	1.208	0.121	/
	DSI5&7		Right Tilt	0	18900	1880	1	Mid	-0.02	0.005	23.68	24.50	1.208	0.006	/
	DSI5&7		Left Cheek	0	18900	1880	50	Mid	-0.14	0.118	22.69	23.50	1.205	0.142	/
	DSI5&7		Left Tilt	0	18900	1880	50	Mid	-0.13	0.002	22.69	23.50	1.205	0.002	/
	DSI5&7		Right Cheek	0	18900	1880	50	Mid	0.04	0.084	22.69	23.50	1.205	0.101	/
	DSI5&7		Right Tilt	0	18900	1880	50	Mid	-0.04	0.006	22.69	23.50	1.205	0.007	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	19100	1900	1	High	0.06	0.068	17.91	18.00	1.021	0.069	/
	DSI6		Back Side	15	19100	1900	1	High	-0.04	0.149	17.91	18.00	1.021	0.152	/
	DSI6		Front Side	15	19100	1900	50	Low	-0.03	0.057	17.81	18.00	1.045	0.060	/
	DSI6		Back Side	15	19100	1900	50	Low	0.02	0.126	17.81	18.00	1.045	0.132	/
Ant.31	DSI6	QPSK	Front Side	15	19100	1900	1	Mid	0.00	0.087	21.06	22.00	1.242	0.108	/
	DSI6		Back Side	15	19100	1900	1	Mid	0.03	0.165	21.06	22.00	1.242	0.205	17#
	DSI6		Front Side	15	19100	1900	50	Mid	0.15	0.071	20.99	22.00	1.262	0.090	/
	DSI6		Back Side	15	19100	1900	50	Mid	0.02	0.138	20.99	22.00	1.262	0.174	/
Hotspot															
Ant. 13	DSI8	QPSK	Front Side	10	19100	1900	1	Low	-0.03	0.085	15.45	15.50	1.012	0.086	/

	DSI8		Back Side	10	19100	1900	1	Low	0.08	0.173	15.45	15.50	1.012	0.175	/
	DSI8		Right Edge	10	19100	1900	1	Low	-0.04	0.029	15.45	15.50	1.012	0.029	/
	DSI8		Top Edge	10	19100	1900	1	Low	0.14	0.152	15.45	15.50	1.012	0.154	/
	DSI8		Front Side	10	19100	1900	50	Mid	0.06	0.069	15.38	15.50	1.028	0.071	/
	DSI8		Back Side	10	19100	1900	50	Mid	-0.10	0.143	15.38	15.50	1.028	0.147	/
	DSI8		Right Edge	10	19100	1900	50	Mid	-0.15	0.023	15.38	15.50	1.028	0.024	/
	DSI8		Top Edge	10	19100	1900	50	Mid	-0.01	0.128	15.38	15.50	1.028	0.132	/
Ant.31	DSI8	QPSK	Front Side	10	19100	1900	1	Mid	0.05	0.116	19.68	20.50	1.208	0.140	/
	DSI8		Back Side	10	19100	1900	1	Mid	-0.03	0.219	19.68	20.50	1.208	0.265	/
	DSI8		Left Edge	10	19100	1900	1	Mid	0.06	0.037	19.68	20.50	1.208	0.045	/
	DSI8		Right Edge	10	19100	1900	1	Mid	-0.15	0.017	19.68	20.50	1.208	0.021	/
	DSI8		Bottom Edge	10	19100	1900	1	Mid	-0.09	0.317	19.68	20.50	1.208	0.383	18#
	DSI8		Front Side	10	19100	1900	50	Mid	-0.12	0.100	19.62	20.50	1.225	0.123	/
	DSI8		Back Side	10	19100	1900	50	Mid	-0.07	0.162	19.62	20.50	1.225	0.198	/
	DSI8		Left Edge	10	19100	1900	50	Mid	0.11	0.048	19.62	20.50	1.225	0.059	/
	DSI8		Right Edge	10	19100	1900	50	Mid	0.15	0.021	19.62	20.50	1.225	0.026	/
	DSI8		Bottom Edge	10	19100	1900	50	Mid	0.04	0.198	19.62	20.50	1.225	0.243	/

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.13	DSI5	QPSK	Left Cheek	0	20175	1732.5	1	High	-0.15	0.305	14.89	16.00	1.291	0.394	/
	DSI5		Left Tilt	0	20175	1732.5	1	High	-0.01	0.410	14.89	16.00	1.291	0.529	/
	DSI5		Right Cheek	0	20175	1732.5	1	High	-0.01	0.551	14.89	16.00	1.291	0.711	/
	DSI5		Right Tilt	0	20175	1732.5	1	High	0.03	0.616	14.89	16.00	1.291	0.795	19#
	DSI5		Left Cheek	0	20175	1732.5	50	High	0.14	0.243	14.64	16.00	1.368	0.332	/
	DSI5		Left Tilt	0	20175	1732.5	50	High	-0.14	0.330	14.64	16.00	1.368	0.451	/
	DSI5		Right Cheek	0	20175	1732.5	50	High	-0.13	0.456	14.64	16.00	1.368	0.624	/
	DSI5		Right Tilt	0	20175	1732.5	50	High	0.08	0.498	14.64	16.00	1.368	0.681	/
Ant.13	DSI7	QPSK	Left Cheek	0	20175	1732.5	1	High	0.11	0.192	13.14	14.00	1.219	0.234	/
	DSI7		Left Tilt	0	20175	1732.5	1	High	-0.03	0.258	13.14	14.00	1.219	0.315	/
	DSI7		Right Cheek	0	20175	1732.5	1	High	0.10	0.348	13.14	14.00	1.219	0.424	/
	DSI7		Right Tilt	0	20175	1732.5	1	High	0.04	0.386	13.14	14.00	1.219	0.471	/
	DSI7		Left Cheek	0	20175	1732.5	50	High	0.06	0.153	12.86	14.00	1.300	0.199	/
	DSI7		Left Tilt	0	20175	1732.5	50	High	-0.01	0.209	12.86	14.00	1.300	0.272	/
	DSI7		Right Cheek	0	20175	1732.5	50	High	-0.12	0.288	12.86	14.00	1.300	0.374	/
	DSI7		Right Tilt	0	20175	1732.5	50	High	-0.07	0.314	12.86	14.00	1.300	0.408	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	20300	1745	1	High	-0.03	0.129	24.20	24.50	1.072	0.138	/
	DSI5&7		Left Tilt	0	20300	1745	1	High	-0.08	0.066	24.20	24.50	1.072	0.071	/
	DSI5&7		Right Cheek	0	20300	1745	1	High	-0.06	0.088	24.20	24.50	1.072	0.094	/
	DSI5&7		Right Tilt	0	20300	1745	1	High	0.00	0.250	24.20	24.50	1.072	0.268	/
	DSI5&7		Left Cheek	0	20300	1745	50	Mid	0.02	0.096	22.92	23.50	1.143	0.110	/
	DSI5&7		Left Tilt	0	20300	1745	50	Mid	-0.01	0.044	22.92	23.50	1.143	0.050	/
	DSI5&7		Right Cheek	0	20300	1745	50	Mid	-0.12	0.045	22.92	23.50	1.143	0.051	/
	DSI5&7		Right Tilt	0	20300	1745	50	Mid	-0.05	0.012	22.92	23.50	1.143	0.014	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	20300	1745	1	High	-0.04	0.125	20.56	21.00	1.107	0.138	/
	DSI6		Back Side	15	20300	1745	1	High	-0.08	0.155	20.56	21.00	1.107	0.172	/
	DSI6		Front Side	15	20300	1745	50	Mid	0.09	0.100	20.64	21.00	1.086	0.109	/
	DSI6		Back Side	15	20300	1745	50	Mid	-0.11	0.111	20.64	21.00	1.086	0.121	/
Ant.31	DSI6	QPSK	Front Side	15	20175	1732.5	1	Mid	-0.06	0.109	21.50	22.50	1.259	0.137	/
	DSI6		Back Side	15	20175	1732.5	1	Mid	0.09	0.195	21.50	22.50	1.259	0.246	20#
	DSI6		Front Side	15	20175	1732.5	50	Mid	0.04	0.087	21.52	22.50	1.253	0.109	/
	DSI6		Back Side	15	20175	1732.5	50	Mid	0.11	0.160	21.52	22.50	1.253	0.200	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	20175	1732.5	1	Mid	-0.10	0.174	18.45	19.00	1.135	0.197	/

	DSI8		Back Side	10	20175	1732.5	1	Mid	0.04	0.189	18.45	19.00	1.135	0.215	/
	DSI8		Right Edge	10	20175	1732.5	1	Mid	-0.05	0.026	18.45	19.00	1.135	0.030	/
	DSI8		Top Edge	10	20175	1732.5	1	Mid	0.14	0.002	18.45	19.00	1.135	0.002	/
	DSI8		Front Side	10	20175	1732.5	50	Mid	-0.12	0.135	18.66	19.00	1.081	0.146	/
	DSI8		Back Side	10	20175	1732.5	50	Mid	-0.11	0.169	18.66	19.00	1.081	0.183	/
	DSI8		Right Edge	10	20175	1732.5	50	Mid	-0.05	0.021	18.66	19.00	1.081	0.023	/
	DSI8		Top Edge	10	20175	1732.5	50	Mid	-0.09	0.293	18.66	19.00	1.081	0.317	/
Ant.31	DSI8	QPSK	Front Side	10	20175	1732.5	1	Mid	0.03	0.138	20.49	21.00	1.125	0.155	/
	DSI8		Back Side	10	20175	1732.5	1	Mid	0.10	0.285	20.49	21.00	1.125	0.321	/
	DSI8		Left Edge	10	20175	1732.5	1	Mid	0.00	0.028	20.49	21.00	1.125	0.032	/
	DSI8		Right Edge	10	20175	1732.5	1	Mid	0.10	0.033	20.49	21.00	1.125	0.037	/
	DSI8		Bottom Edge	10	20175	1732.5	1	Mid	0.00	0.369	20.49	21.00	1.125	0.415	21#
	DSI8		Front Side	10	20175	1732.5	50	Mid	0.08	0.115	20.16	21.00	1.213	0.139	/
	DSI8		Back Side	10	20175	1732.5	50	Mid	0.12	0.236	20.16	21.00	1.213	0.286	/
	DSI8		Left Edge	10	20175	1732.5	50	Mid	-0.09	0.026	20.16	21.00	1.213	0.032	/
	DSI8		Right Edge	10	20175	1732.5	50	Mid	0.13	0.025	20.16	21.00	1.213	0.030	/
	DSI8		Bottom Edge	10	20175	1732.5	50	Mid	-0.11	0.325	20.16	21.00	1.213	0.394	/

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.13	DSI5	QPSK	Left Cheek	0	20450	829	1	Low	0.14	0.453	20.81	22.50	1.476	0.669	/
	DSI5		Left Tilt	0	20450	829	1	Low	0.06	0.446	20.81	22.50	1.476	0.658	/
	DSI5		Right Cheek	0	20450	829	1	Low	-0.02	0.531	20.81	22.50	1.476	0.784	22#
	DSI5		Right Tilt	0	20450	829	1	Low	-0.06	0.458	20.81	22.50	1.476	0.676	/
	DSI5		Left Cheek	0	20450	829	25	Low	0.03	0.375	20.82	21.50	1.169	0.438	/
	DSI5		Left Tilt	0	20450	829	25	Low	-0.14	0.360	20.82	21.50	1.169	0.421	/
	DSI5		Right Cheek	0	20450	829	25	Low	0.11	0.325	20.82	21.50	1.169	0.380	/
	DSI5		Right Tilt	0	20450	829	25	Low	0.15	0.268	20.82	21.50	1.169	0.313	/
Ant.13	DSI7	QPSK	Left Cheek	0	20525	836.5	1	HIGH	-0.13	0.321	19.62	21.00	1.374	0.441	/
	DSI7		Left Tilt	0	20525	836.5	1	HIGH	-0.05	0.316	19.62	21.00	1.374	0.434	/
	DSI7		Right Cheek	0	20525	836.5	1	HIGH	-0.08	0.449	19.62	21.00	1.374	0.617	/
	DSI7		Right Tilt	0	20525	836.5	1	HIGH	0.03	0.324	19.62	21.00	1.374	0.445	/
	DSI7		Left Cheek	0	20525	836.5	25	HIGH	-0.01	0.265	19.49	21.00	1.416	0.375	/
	DSI7		Left Tilt	0	20525	836.5	25	HIGH	-0.14	0.255	19.49	21.00	1.416	0.361	/
	DSI7		Right Cheek	0	20525	836.5	25	HIGH	-0.06	0.383	19.49	21.00	1.416	0.542	/
	DSI7		Right Tilt	0	20525	836.5	25	HIGH	-0.03	0.168	19.49	21.00	1.416	0.238	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	20525	836.5	1	HIGH	0.14	0.136	23.65	25.00	1.365	0.186	/
	DSI5&7		Left Tilt	0	20525	836.5	1	HIGH	0.00	0.072	23.65	25.00	1.365	0.098	/
	DSI5&7		Right Cheek	0	20525	836.5	1	HIGH	-0.09	0.065	23.65	25.00	1.365	0.089	/
	DSI5&7		Right Tilt	0	20525	836.5	1	HIGH	-0.01	0.033	23.65	25.00	1.365	0.045	/
	DSI5&7		Left Cheek	0	20450	829	25	Mid	0.11	0.111	22.68	24.00	1.355	0.150	/

	DSI5&7		Left Tilt	0	20450	829	25	Mid	0.11	0.058	22.68	24.00	1.355	0.079	/
	DSI5&7		Right Cheek	0	20450	829	25	Mid	-0.13	0.055	22.68	24.00	1.355	0.075	/
	DSI5&7		Right Tilt	0	20450	829	25	Mid	-0.14	0.018	22.68	24.00	1.355	0.024	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	20600	844	1	HIGH	-0.15	0.110	23.30	25.00	1.479	0.163	/
	DSI6		Back Side	15	20600	844	1	HIGH	-0.07	0.163	23.12	25.00	1.542	0.251	23#
	DSI6		Front Side	15	20450	829	25	HIGH	0.14	0.097	22.28	24.00	1.486	0.144	/
	DSI6		Back Side	15	20450	829	25	HIGH	0.14	0.139	22.28	24.00	1.486	0.207	/
Ant.31	DSI6	QPSK	Front Side	15	20525	836.5	1	HIGH	0.02	0.026	23.65	25.00	1.365	0.035	/
	DSI6		Back Side	15	20525	836.5	1	HIGH	0.02	0.098	23.65	25.00	1.365	0.134	/
	DSI6		Front Side	15	20450	829	25	Mid	0.13	0.076	22.68	24.00	1.355	0.103	/
	DSI6		Back Side	15	20450	829	25	Mid	0.11	0.089	22.68	24.00	1.355	0.121	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	20600	844	1	HIGH	0.06	0.207	23.04	24.50	1.400	0.290	/
	DSI8		Back Side	10	20600	844	1	HIGH	0.11	0.222	23.04	24.50	1.400	0.311	/
	DSI8		Right Edge	10	20600	844	1	HIGH	0.03	0.128	23.04	24.50	1.400	0.179	/
	DSI8		Top Edge	10	20600	844	1	HIGH	0.00	0.223	23.04	24.50	1.400	0.312	24#
	DSI8		Front Side	10	20450	829	25	Low	-0.12	0.173	22.59	24.00	1.384	0.239	/
	DSI8		Back Side	10	20450	829	25	Low	-0.11	0.205	22.59	24.00	1.384	0.284	/
	DSI8		Right Edge	10	20450	829	25	Low	-0.02	0.113	22.59	24.00	1.384	0.156	/
	DSI8		Top Edge	10	20450	829	25	Low	-0.03	0.190	22.59	24.00	1.384	0.263	/
Ant.31	DSI8	QPSK	Front Side	10	20525	836.5	1	HIGH	0.03	0.125	23.88	24.50	1.153	0.144	/
	DSI8		Back Side	10	20525	836.5	1	HIGH	0.03	0.213	23.88	24.50	1.153	0.246	/

	DSI8		Left Edge	10	20525	836.5	1	HIGH	-0.14	0.059	23.88	24.50	1.153	0.068	/
	DSI8		Right Edge	10	20525	836.5	1	HIGH	0.10	0.112	23.88	24.50	1.153	0.129	/
	DSI8		Bottom Edge	10	20525	836.5	1	HIGH	-0.05	0.104	23.88	24.50	1.153	0.120	/
	DSI8		Front Side	10	20450	829	25	Mid	0.01	0.109	22.97	24.00	1.268	0.138	/
	DSI8		Back Side	10	20450	829	25	Mid	0.08	0.238	22.97	24.00	1.268	0.302	/
	DSI8		Left Edge	10	20450	829	25	Mid	0.09	0.090	22.97	24.00	1.268	0.114	/
	DSI8		Right Edge	10	20450	829	25	Mid	0.11	0.095	22.97	24.00	1.268	0.120	/
	DSI8		Bottom Edge	10	20450	829	25	Mid	-0.01	0.090	22.97	24.00	1.268	0.114	/

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.13	DSI5	QPSK	Left Cheek	0	21350	2560	1	Low	0.10	0.251	15.51	16.50	1.256	0.315	/
	DSI5		Left Tilt	0	21350	2560	1	Low	0.05	0.288	15.51	16.50	1.256	0.362	/
	DSI5		Right Cheek	0	21350	2560	1	Low	0.04	0.282	15.51	16.50	1.256	0.354	/
	DSI5		Right Tilt	0	21350	2560	1	Low	0.13	0.452	15.51	16.50	1.256	0.568	25#
	DSI5		Left Cheek	0	21350	2560	50	Mid	-0.10	0.222	15.45	16.50	1.274	0.283	/
	DSI5		Left Tilt	0	21350	2560	50	Mid	0.02	0.230	15.45	16.50	1.274	0.293	/
	DSI5		Right Cheek	0	21350	2560	50	Mid	0.06	0.228	15.45	16.50	1.274	0.290	/
	DSI5		Right Tilt	0	21350	2560	50	Mid	-0.01	0.330	15.45	16.50	1.274	0.420	/
Ant.13	DSI7	QPSK	Left Cheek	0	21100	2535	1	Mid	0.02	0.159	14.05	14.50	1.109	0.176	/
	DSI7		Left Tilt	0	21100	2535	1	Mid	-0.08	0.182	14.05	14.50	1.109	0.202	/
	DSI7		Right Cheek	0	21100	2535	1	Mid	-0.15	0.178	14.05	14.50	1.109	0.197	/
	DSI7		Right Tilt	0	21100	2535	1	Mid	-0.15	0.284	14.05	14.50	1.109	0.315	/
	DSI7		Left Cheek	0	21100	2535	50	Mid	-0.05	0.140	13.94	14.50	1.138	0.159	/
	DSI7		Left Tilt	0	21100	2535	50	Mid	0.09	0.144	13.94	14.50	1.138	0.164	/
	DSI7		Right Cheek	0	21100	2535	50	Mid	0.14	0.144	13.94	14.50	1.138	0.164	/
	DSI7		Right Tilt	0	21100	2535	50	Mid	0.14	0.144	13.94	14.50	1.138	0.164	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	21100	2535	1	Mid	-0.02	0.067	23.85	24.50	1.161	0.078	/
	DSI5&7		Left Tilt	0	21100	2535	1	Mid	0.03	0.025	23.85	24.50	1.161	0.029	/

	DSI5&7		Right Cheek	0	21100	2535	1	Mid	-0.13	0.088	23.85	24.50	1.161	0.102	/
	DSI5&7		Right Tilt	0	21100	2535	1	Mid	0.09	0.038	23.85	24.50	1.161	0.044	/
	DSI5&7		Left Cheek	0	21100	2535	50	Mid	-0.08	0.055	22.78	23.50	1.180	0.065	/
	DSI5&7		Left Tilt	0	21100	2535	50	Mid	0.14	0.019	22.78	23.50	1.180	0.022	/
	DSI5&7		Right Cheek	0	21100	2535	50	Mid	0.11	0.064	22.78	23.50	1.180	0.076	/
	DSI5&7		Right Tilt	0	21100	2535	50	Mid	-0.11	0.032	22.78	23.50	1.180	0.038	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	21100	2535	1	Mid	-0.15	0.054	16.84	18.00	1.306	0.071	/
	DSI6		Back Side	15	21100	2535	1	Mid	0.07	0.112	16.84	18.00	1.306	0.146	26#
	DSI6		Front Side	15	21100	2535	50	Mid	0.06	0.042	16.91	18.00	1.285	0.054	/
	DSI6		Back Side	15	21100	2535	50	Mid	-0.05	0.094	16.91	18.00	1.285	0.121	/
Ant.31	DSI6	QPSK	Front Side	15	21100	2535	1	Mid	0.00	0.101	21.45	22.00	1.135	0.115	/
	DSI6		Back Side	15	21100	2535	1	Mid	-0.08	0.098	21.45	22.00	1.135	0.111	/
	DSI6		Front Side	15	21100	2535	50	Mid	-0.03	0.101	21.48	22.00	1.127	0.114	/
	DSI6		Back Side	15	21100	2535	50	Mid	0.08	0.093	21.48	22.00	1.127	0.105	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	21100	2535	1	Mid	-0.03	0.023	14.31	15.50	1.315	0.030	/
	DSI8		Back Side	10	21100	2535	1	Mid	0.07	0.053	14.31	15.50	1.315	0.070	/
	DSI8		Right Edge	10	21100	2535	1	Mid	-0.07	0.009	14.31	15.50	1.315	0.012	/
	DSI8		Top Edge	10	21100	2535	1	Mid	0.02	0.074	14.31	15.50	1.315	0.097	/
	DSI8		Front Side	10	21100	2535	50	Mid	-0.13	0.017	14.30	15.50	1.318	0.022	/
	DSI8		Back Side	10	21100	2535	50	Mid	0.06	0.044	14.30	15.50	1.318	0.058	/
	DSI8		Right Edge	10	21100	2535	50	Mid	0.14	0.007	14.30	15.50	1.318	0.009	/
	DSI8		Top Edge	10	21100	2535	50	Mid	-0.13	0.062	14.30	15.50	1.318	0.082	/
Ant.31	DSI8	QPSK	Front Side	10	21100	2535	1	Low	0.03	0.113	18.97	20.50	1.422	0.161	/
	DSI8		Back Side	10	21100	2535	1	Low	0.08	0.115	18.97	20.50	1.422	0.164	/
	DSI8		Left Edge	10	21100	2535	1	Low	0.09	0.091	18.97	20.50	1.422	0.129	/
	DSI8		Right Edge	10	21100	2535	1	Low	0.07	0.030	18.97	20.50	1.422	0.043	/
	DSI8		Bottom Edge	10	21100	2535	1	Low	-0.07	0.125	18.97	20.50	1.422	0.178	27#
	DSI8		Front Side	10	21100	2535	50	Low	0.03	0.085	19.88	20.50	1.153	0.098	/
	DSI8		Back Side	10	21100	2535	50	Low	0.15	0.081	19.88	20.50	1.153	0.093	/
	DSI8		Left Edge	10	21100	2535	50	Low	0.11	0.070	19.88	20.50	1.153	0.081	/
	DSI8		Right Edge	10	21100	2535	50	Low	-0.14	0.060	19.88	20.50	1.153	0.069	/
	DSI8		Bottom Edge	10	21100	2535	50	Low	0.12	0.096	19.88	20.50	1.153	0.111	/
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.13	DSI5	QPSK	Left Cheek	0	23230	782	1	Mid	0.13	0.358	23.740	25.00	1.337	0.479	/
	DSI5		Left Tilt	0	23230	782	1	Mid	0.08	0.321	23.740	25.00	1.337	0.429	/
	DSI5		Right Cheek	0	23230	782	1	Mid	-0.05	0.515	23.740	25.00	1.337	0.689	28#
	DSI5		Right Tilt	0	23230	782	1	Mid	-0.05	0.431	23.740	25.00	1.337	0.576	/
	DSI5		Left Cheek	0	23230	782	25	Low	0.01	0.295	22.920	24.00	1.282	0.378	/
	DSI5		Left Tilt	0	23230	782	25	Low	-0.09	0.266	22.920	24.00	1.282	0.341	/
	DSI5		Right Cheek	0	23230	782	25	Low	-0.12	0.415	22.920	24.00	1.282	0.532	/
	DSI5		Right Tilt	0	23230	782	25	Low	0.01	0.352	22.920	24.00	1.282	0.451	/
Ant.13	DSI7	QPSK	Left Cheek	0	23230	782	1	Mid	-0.03	0.319	22.85	24.50	1.462	0.466	/
	DSI7		Left Tilt	0	23230	782	1	Mid	0.11	0.286	22.85	24.50	1.462	0.418	/
	DSI7		Right Cheek	0	23230	782	1	Mid	0.06	0.433	22.85	24.50	1.462	0.633	/
	DSI7		Right Tilt	0	23230	782	1	Mid	0.10	0.384	22.85	24.50	1.462	0.561	/
	DSI7		Left Cheek	0	23230	782	25	Mid	0.00	0.263	22.45	24.00	1.429	0.376	/
	DSI7		Left Tilt	0	23230	782	25	Mid	0.13	0.237	22.45	24.00	1.429	0.339	/
	DSI7		Right Cheek	0	23230	782	25	Mid	-0.03	0.370	22.45	24.00	1.429	0.529	/
	DSI7		Right Tilt	0	23230	782	25	Mid	0.05	0.314	22.45	24.00	1.429	0.449	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	23230	782	1	Mid	-0.07	0.065	23.31	25.00	1.476	0.096	/
	DSI5&7		Left Tilt	0	23230	782	1	Mid	-0.07	0.024	23.31	25.00	1.476	0.035	/
	DSI5&7		Right Cheek	0	23230	782	1	Mid	0.06	0.089	23.31	25.00	1.476	0.131	/
	DSI5&7		Right Tilt	0	23230	782	1	Mid	-0.05	0.064	23.31	25.00	1.476	0.094	/
	DSI5&7		Left Cheek	0	23230	782	25	Low	0.13	0.045	22.50	24.00	1.413	0.064	/
	DSI5&7		Left Tilt	0	23230	782	25	Low	0.03	0.026	22.50	24.00	1.413	0.037	/
	DSI5&7		Right Cheek	0	23230	782	25	Low	0.15	0.055	22.50	24.00	1.413	0.078	/
	DSI5&7		Right Tilt	0	23230	782	25	Low	-0.14	0.035	22.50	24.00	1.413	0.049	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	23230	782	1	Mid	0.10	0.081	23.74	25.00	1.337	0.108	/
	DSI6		Back Side	15	23230	782	1	Mid	-0.05	0.118	23.74	25.00	1.337	0.158	29#
	DSI6		Front Side	15	23230	782	25	Mid	0.01	0.066	22.92	24.00	1.282	0.085	/
	DSI6		Back Side	15	23230	782	25	Mid	0.05	0.094	22.92	24.00	1.282	0.121	/
Ant.31	DSI6	QPSK	Front Side	15	23230	782	1	Mid	-0.05	0.062	23.31	25.00	1.476	0.092	/
	DSI6		Back Side	15	23230	782	1	Mid	-0.06	0.097	23.31	25.00	1.476	0.143	/
	DSI6		Front Side	15	23230	782	25	Low	0.06	0.060	22.50	24.00	1.413	0.085	/
	DSI6		Back Side	15	23230	782	25	Low	-0.04	0.081	22.50	24.00	1.413	0.114	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	23230	782	1	Mid	-0.05	0.097	22.85	24.50	1.462	0.142	/
	DSI8		Back Side	10	23230	782	1	Mid	-0.14	0.160	22.85	24.50	1.462	0.234	/

	DSI8		Right Edge	10	23230	782	1	HIGH	0.02	0.098	22.85	24.50	1.462	0.143	/
	DSI8		Top Edge	10	23230	782	1	Mid	-0.05	0.139	22.85	24.50	1.462	0.203	/
	DSI8		Front Side	10	23230	782	25	Mid	0.15	0.078	22.45	24.00	1.429	0.111	/
	DSI8		Back Side	10	23230	782	25	Mid	0.15	0.133	22.45	24.00	1.429	0.190	/
	DSI8		Right Edge	10	23230	782	25	Mid	0.01	0.082	22.45	24.00	1.429	0.117	/
	DSI8		Top Edge	10	23230	782	25	Mid	-0.15	0.116	22.45	24.00	1.429	0.166	/
Ant.31	DSI8	QPSK	Front Side	10	23230	707.5	1	Mid	-0.15	0.119	23.31	25.00	1.476	0.176	/
	DSI8		Back Side	10	23230	707.5	1	Mid	-0.08	0.176	23.31	25.00	1.476	0.260	30#
	DSI8		Left Edge	10	23230	707.5	1	Mid	-0.12	0.078	23.31	25.00	1.476	0.115	/
	DSI8		Right Edge	10	23230	707.5	1	Mid	0.13	0.155	23.31	25.00	1.476	0.229	/
	DSI8		Bottom Edge	10	23230	707.5	1	Mid	-0.03	0.101	23.31	25.00	1.476	0.149	/
	DSI8		Front Side	10	23230	707.5	25	Low	0.07	0.101	22.50	24.00	1.413	0.143	/
	DSI8		Back Side	10	23230	707.5	25	Low	-0.01	0.122	22.50	24.00	1.413	0.172	/
	DSI8		Left Edge	10	23230	707.5	25	Low	0.15	0.062	22.50	24.00	1.413	0.088	/
	DSI8		Right Edge	10	23230	707.5	25	Low	-0.05	0.149	22.50	24.00	1.413	0.211	/
	DSI8		Bottom Edge	10	23095	707.5	25	Low	0.04	0.088	22.50	24.00	1.413	0.124	/

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

10.11 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13	DSI5	QPSK	Left Cheek	0	26865	831.5	1	LOW	-0.05	0.348	20.85	22.50	1.462	0.509	/
	DSI5		Left Tilt	0	26865	831.5	1	LOW	0.01	0.417	20.85	22.50	1.462	0.610	/
	DSI5		Right Cheek	0	26865	831.5	1	LOW	0.08	0.450	20.85	22.50	1.462	0.658	31#
	DSI5		Right Tilt	0	26865	831.5	1	LOW	0.06	0.411	20.85	22.50	1.462	0.601	/
	DSI5		Left Cheek	0	26865	831.5	36	HIGH	-0.08	0.297	21.14	22.50	1.368	0.406	/
	DSI5		Left Tilt	0	26865	831.5	36	HIGH	0.08	0.288	21.14	22.50	1.368	0.394	/
	DSI5		Right Cheek	0	26865	831.5	36	HIGH	0.08	0.422	21.14	22.50	1.368	0.577	/
	DSI5		Right Tilt	0	26865	831.5	36	HIGH	-0.06	0.373	21.14	22.50	1.368	0.510	/
Ant.13	DSI7	QPSK	Left Cheek	0	26865	831.5	1	LOW	-0.01	0.312	19.73	21.00	1.340	0.418	/
	DSI7		Left Tilt	0	26865	831.5	1	LOW	-0.15	0.296	19.73	21.00	1.340	0.397	/
	DSI7		Right Cheek	0	26865	831.5	1	LOW	0.09	0.428	19.73	21.00	1.340	0.574	/
	DSI7		Right Tilt	0	26865	831.5	1	LOW	0.13	0.380	19.73	21.00	1.340	0.509	/
	DSI7		Left Cheek	0	26865	831.5	36	HIGH	-0.06	0.210	19.83	21.00	1.309	0.275	/
	DSI7		Left Tilt	0	26865	831.5	36	HIGH	-0.03	0.204	19.83	21.00	1.309	0.267	/
	DSI7		Right Cheek	0	26865	831.5	36	HIGH	0.00	0.299	19.83	21.00	1.309	0.391	/
	DSI7		Right Tilt	0	26865	831.5	36	HIGH	0.08	0.263	19.83	21.00	1.309	0.344	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	26865	831.5	1	MID	0.15	0.130	23.59	25.00	1.384	0.180	/
	DSI5&7		Left Tilt	0	26865	831.5	1	MID	-0.13	0.071	23.59	25.00	1.384	0.098	/
	DSI5&7		Right Cheek	0	26865	831.5	1	MID	0.00	0.112	23.59	25.00	1.384	0.155	/
	DSI5&7		Right Tilt	0	26865	831.5	1	MID	0.08	0.063	23.59	25.00	1.384	0.087	/
	DSI5&7		Left Cheek	0	26865	831.5	36	MID	-0.04	0.091	22.78	24.00	1.324	0.120	/
	DSI5&7		Left Tilt	0	26865	831.5	36	MID	-0.09	0.051	22.78	24.00	1.324	0.068	/
	DSI5&7		Right Cheek	0	26865	831.5	36	MID	-0.05	0.083	22.78	24.00	1.324	0.110	/
	DSI5&7		Right Tilt	0	26865	831.5	36	MID	-0.04	0.005	22.78	24.00	1.324	0.007	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	26865	831.5	1	LOW	0.12	0.057	23.40	25.00	1.445	0.082	/
	DSI6		Back Side	15	26865	831.5	1	LOW	-0.01	0.128	23.40	25.00	1.445	0.185	32#
	DSI6		Front Side	15	26865	831.5	36	MID	0.13	0.038	22.41	24.00	1.442	0.055	/
	DSI6		Back Side	15	26865	831.5	36	MID	-0.05	0.081	22.41	24.00	1.442	0.117	/
Ant.31	DSI6	QPSK	Front Side	15	26865	831.5	1	MID	-0.07	0.048	23.59	25.00	1.384	0.066	/
	DSI6		Back Side	15	26865	831.5	1	MID	0.05	0.057	23.59	25.00	1.384	0.079	/
	DSI6		Front Side	15	26865	831.5	36	MID	-0.03	0.033	22.78	25.00	1.667	0.055	/
	DSI6		Back Side	15	26865	831.5	36	MID	-0.11	0.037	22.78	25.00	1.667	0.062	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	26865	831.5	1	LOW	0.03	0.103	23.40	25.00	1.445	0.149	/
	DSI8		Back Side	10	26865	831.5	1	LOW	0.08	0.166	23.40	25.00	1.445	0.240	/

	DSI8		Right Edge	10	26865	831.5	1	LOW	0.07	0.046	23.40	25.00	1.445	0.066	/
	DSI8		Top Edge	10	26865	831.5	1	LOW	-0.18	0.174	23.40	25.00	1.445	0.251	33#
	DSI8		Front Side	10	26865	831.5	36	MID	0.05	0.066	22.41	24.00	1.442	0.095	/
	DSI8		Back Side	10	26865	831.5	36	MID	0.10	0.110	22.41	24.00	1.442	0.159	/
	DSI8		Right Edge	10	26865	831.5	36	MID	0.08	0.029	22.41	24.00	1.442	0.042	/
	DSI8		Top Edge	10	26865	831.5	36	MID	0.11	0.107	22.41	24.00	1.442	0.154	/
Ant.31	DSI8	QPSK	Front Side	10	26865	831.5	1	MID	-0.12	0.080	22.95	24.00	1.274	0.102	/
	DSI8		Back Side	10	26865	831.5	1	MID	-0.06	0.120	22.95	24.00	1.274	0.153	/
	DSI8		Left Edge	10	26865	831.5	1	MID	0.06	0.062	22.95	24.00	1.274	0.079	/
	DSI8		Right Edge	10	26865	831.5	1	MID	0.12	0.098	22.95	24.00	1.274	0.125	/
	DSI8		Bottom Edge	10	26865	831.5	1	MID	-0.03	0.069	22.95	24.00	1.274	0.088	/
	DSI8		Front Side	10	26865	831.5	36	MID	-0.03	0.050	22.95	24.00	1.274	0.064	/
	DSI8		Back Side	10	26865	831.5	36	MID	-0.09	0.082	22.95	24.00	1.274	0.104	/
	DSI8		Left Edge	10	26865	831.5	36	MID	-0.12	0.042	22.95	24.00	1.274	0.054	/
	DSI8		Right Edge	10	26865	831.5	36	MID	0.05	0.076	22.95	24.00	1.274	0.097	/
	DSI8		Bottom Edge	10	26865	831.5	36	MID	-0.09	0.050	22.95	24.00	1.274	0.064	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.12 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.13	DSI5	QPSK	Left Cheek	0	132572	1770	1	HIGH	-0.10	0.315	16.87	17.00	1.030	0.324	/
	DSI5		Left Tilt	0	132572	1770	1	HIGH	0.06	0.384	16.87	17.00	1.030	0.396	/
	DSI5		Right Cheek	0	132572	1770	1	HIGH	0.06	0.546	16.87	17.00	1.030	0.562	/
	DSI5		Right Tilt	0	132572	1770	1	HIGH	-0.09	0.646	16.87	17.00	1.030	0.665	/
	DSI5		Left Cheek	0	132572	1770	50	HIGH	-0.13	0.269	16.69	17.00	1.074	0.289	/
	DSI5		Left Tilt	0	132572	1770	50	HIGH	-0.10	0.325	16.69	17.00	1.074	0.349	/
	DSI5		Right Cheek	0	132572	1770	50	HIGH	0.08	0.464	16.69	17.00	1.074	0.498	/
	DSI5		Right Tilt	0	132572	1770	50	HIGH	-0.03	0.783	16.69	17.00	1.074	0.841	34#
	DSI5		Right Tilt	0	132072	1720	1	HIGH	-0.09	0.535	16.78	17.00	1.052	0.563	/
	DSI5		Right Tilt	0	132572	1770	1	HIGH	-0.12	0.457	16.87	17.00	1.030	0.471	/
	DSI5		Right Tilt	0	132072	1720	50	HIGH	0.12	0.596	16.62	17.00	1.091	0.650	/
	DSI5		Right Tilt	0	132572	1770	50	HIGH	0.06	0.372	16.69	17.00	1.074	0.400	/
	DSI5	Right Tilt	0	132322	1745	100	LOW	-0.06	0.498	16.62	17.00	1.091	0.543	/	
	DSI7	QPSK	Left Cheek	0	132572	1770	1	MID	0.05	0.199	13.89	15.00	1.291	0.257	/
	DSI7		Left Tilt	0	132572	1770	1	MID	0.01	0.242	13.89	15.00	1.291	0.312	/
	DSI7		Right Cheek	0	132572	1770	1	MID	0.11	0.345	13.89	15.00	1.291	0.445	/
	DSI7		Right Tilt	0	132572	1770	1	MID	0.02	0.407	13.89	15.00	1.291	0.525	/
	DSI7		Left Cheek	0	132572	1770	50	HIGH	0.04	0.169	13.83	15.00	1.309	0.221	/
	DSI7		Left Tilt	0	132572	1770	50	HIGH	-0.10	0.205	13.83	15.00	1.309	0.268	/
	DSI7		Right Cheek	0	132572	1770	50	HIGH	0.08	0.293	13.83	15.00	1.309	0.384	/
	DSI7		Right Tilt	0	132572	1770	50	HIGH	-0.03	0.338	13.83	15.00	1.309	0.442	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	132572	1770	1	HIGH	0.01	0.089	24.15	24.50	1.084	0.096	/
	DSI5&7		Left Tilt	0	132572	1770	1	HIGH	-0.03	0.064	24.15	24.50	1.084	0.069	/
	DSI5&7		Right Cheek	0	132572	1770	1	HIGH	0.14	0.060	24.15	24.50	1.084	0.065	/
	DSI5&7		Right Tilt	0	132572	1770	1	HIGH	-0.07	0.091	24.15	24.50	1.084	0.099	/
	DSI5&7		Left Cheek	0	132572	1770	50	MID	0.02	0.076	22.89	23.50	1.151	0.087	/
	DSI5&7		Left Tilt	0	132572	1770	50	MID	0.08	0.053	22.89	23.50	1.151	0.061	/
	DSI5&7		Right Cheek	0	132572	1770	50	MID	0.04	0.047	22.89	23.50	1.151	0.054	/
	DSI5&7		Right Tilt	0	132572	1770	50	MID	0.15	0.070	22.89	23.50	1.151	0.081	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	132322	1745	1	HIGH	0.09	0.052	20.21	20.50	1.069	0.056	/
	DSI6		Back Side	15	132322	1745	1	HIGH	0.00	0.088	20.21	20.50	1.069	0.094	/
	DSI6		Front Side	15	132322	1745	50	MID	-0.14	0.046	19.99	20.50	1.125	0.052	/
	DSI6		Back Side	15	132322	1745	50	MID	0.07	0.080	19.99	20.50	1.125	0.090	/
Ant.31	DSI6	QPSK	Front Side	15	132322	1745	1	HIGH	-0.12	0.080	21.46	22.50	1.271	0.102	/
	DSI6		Back Side	15	132322	1745	1	HIGH	0.03	0.102	21.46	22.50	1.271	0.130	35#

	DSI6		Front Side	15	132322	1745	50	LOW	-0.01	0.066	21.33	22.50	1.309	0.086	/
	DSI6		Back Side	15	132322	1745	50	LOW	-0.09	0.085	21.33	22.50	1.309	0.111	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	132322	1745	1	HIGH	-0.12	0.059	17.78	18.50	1.180	0.070	/
	DSI8		Back Side	10	132322	1745	1	HIGH	0.15	0.117	17.78	18.50	1.180	0.138	/
	DSI8		Right Edge	10	132322	1745	1	HIGH	-0.08	0.039	17.78	18.50	1.180	0.046	/
	DSI8		Top Edge	10	132322	1745	1	HIGH	0.14	0.137	17.78	18.50	1.180	0.162	/
	DSI8		Front Side	10	132322	1745	50	MID	0.14	0.048	18.11	18.50	1.094	0.053	/
	DSI8		Back Side	10	132322	1745	50	MID	-0.01	0.096	18.11	18.50	1.094	0.105	/
	DSI8		Right Edge	10	132322	1745	50	MID	-0.04	0.034	18.11	18.50	1.094	0.037	/
	DSI8		Top Edge	10	132322	1745	50	MID	-0.15	0.111	18.11	18.50	1.094	0.121	/
Ant.31	DSI8	QPSK	Front Side	10	132322	1745	1	MID	-0.12	0.084	19.62	20.50	1.225	0.103	/
	DSI8		Back Side	10	132322	1745	1	MID	-0.15	0.147	19.62	20.50	1.225	0.180	/
	DSI8		Left Edge	10	132322	1745	1	MID	0.04	0.002	19.62	20.50	1.225	0.002	/
	DSI8		Right Edge	10	132322	1745	1	MID	-0.08	0.013	19.62	20.50	1.225	0.016	/
	DSI8		Bottom Edge	10	132322	1745	1	MID	-0.03	0.224	19.62	20.50	1.225	0.274	36#
	DSI8		Front Side	10	132322	1745	50	MID	-0.13	0.066	19.83	20.50	1.167	0.077	/
	DSI8		Back Side	10	132322	1745	50	MID	0.02	0.121	19.83	20.50	1.167	0.141	/
	DSI8		Left Edge	10	132322	1745	50	MID	-0.01	0.019	19.83	20.50	1.167	0.022	/
	DSI8		Right Edge	10	132322	1745	50	MID	0.07	0.023	19.83	20.50	1.167	0.027	/
	DSI8		Bottom Edge	10	132322	1745	50	MID	0.14	0.179	19.83	20.50	1.167	0.209	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.13 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.13	DSI5	QPSK	Left Cheek	0	37850	2580	1	LOW	-0.09	0.189	18.79	20.00	1.321	0.250	/
	DSI5		Left Tilt	0	37850	2580	1	LOW	-0.07	0.092	18.79	20.00	1.321	0.122	/
	DSI5		Right Cheek	0	37850	2580	1	LOW	-0.06	0.399	18.79	20.00	1.321	0.527	/
	DSI5		Right Tilt	0	37850	2580	1	LOW	0.14	0.527	18.79	20.00	1.321	0.696	37#
	DSI5		Left Cheek	0	37850	2580	50	HIGH	0.10	0.135	18.53	20.00	1.403	0.189	/
	DSI5		Left Tilt	0	37850	2580	50	HIGH	0.11	0.064	18.53	20.00	1.403	0.090	/
	DSI5		Right Cheek	0	37850	2580	50	HIGH	-0.02	0.264	18.53	20.00	1.403	0.370	/
	DSI5		Right Tilt	0	37850	2580	50	HIGH	0.04	0.325	18.53	20.00	1.403	0.456	/
Ant.13	DSI7	QPSK	Left Cheek	0	38150	2610	1	MID	-0.04	0.119	16.91	18.00	1.285	0.153	/
	DSI7		Left Tilt	0	38150	2610	1	MID	-0.01	0.058	16.91	18.00	1.285	0.075	/
	DSI7		Right Cheek	0	38150	2610	1	MID	-0.02	0.252	16.91	18.00	1.285	0.324	/
	DSI7		Right Tilt	0	38150	2610	1	MID	-0.03	0.326	16.91	18.00	1.285	0.419	/
	DSI7		Left Cheek	0	38150	2610	50	MID	0.09	0.085	16.99	18.00	1.262	0.107	/
	DSI7		Left Tilt	0	38150	2610	50	MID	0.05	0.041	16.99	18.00	1.262	0.052	/
	DSI7		Right Cheek	0	38150	2610	50	MID	-0.03	0.166	16.99	18.00	1.262	0.209	/
	DSI7		Right Tilt	0	38150	2610	50	MID	-0.06	0.205	16.99	18.00	1.262	0.259	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	38000	2595	1	HIGH	0.01	0.161	24.55	25.00	1.109	0.179	/
	DSI5&7		Left Tilt	0	38000	2595	1	HIGH	-0.12	0.108	24.55	25.00	1.109	0.120	/
	DSI5&7		Right Cheek	0	38000	2595	1	HIGH	0.00	0.088	24.55	25.00	1.109	0.098	/
	DSI5&7		Right Tilt	0	38000	2595	1	HIGH	-0.03	0.035	24.55	25.00	1.109	0.039	/
	DSI5&7		Left Cheek	0	38000	2595	50	MID	0.01	0.134	23.39	24.00	1.151	0.154	/
	DSI5&7		Left Tilt	0	38000	2595	50	MID	0.00	0.088	23.39	24.00	1.151	0.101	/
	DSI5&7		Right Cheek	0	38000	2595	50	MID	-0.05	0.025	23.39	24.00	1.151	0.029	/
	DSI5&7		Right Tilt	0	38000	2595	50	MID	0.08	0.011	23.39	24.00	1.151	0.013	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	37850	2580	1	LOW	0.02	0.040	18.79	20.00	1.321	0.053	/
	DSI6		Back Side	15	37850	2580	1	LOW	0.01	0.096	18.79	20.00	1.321	0.127	38#
	DSI6		Front Side	15	37850	2580	50	LOW	-0.03	0.032	18.53	20.00	1.403	0.045	/
	DSI6		Back Side	15	37850	2580	50	LOW	0.05	0.074	18.53	20.00	1.403	0.104	/
Ant.31	DSI6	QPSK	Front Side	15	38000	2595	1	HIGH	0.15	0.056	24.55	25.00	1.109	0.062	/
	DSI6		Back Side	15	38000	2595	1	HIGH	-0.07	0.088	24.55	25.00	1.109	0.098	/
	DSI6		Front Side	15	38000	2595	50	MID	0.00	0.044	23.39	24.00	1.151	0.051	/
	DSI6		Back Side	15	38000	2595	50	MID	-0.12	0.075	23.39	24.00	1.151	0.086	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	38000	2595	1	HIGH	-0.13	0.043	16.49	17.50	1.262	0.054	/
	DSI8		Back Side	10	38000	2595	1	HIGH	0.05	0.109	16.49	17.50	1.262	0.138	/

	DSI8		Right Edge	10	38000	2595	1	HIGH	-0.08	0.012	16.49	17.50	1.262	0.015	/
	DSI8		Top Edge	10	38000	2595	1	HIGH	0.02	0.228	16.49	17.50	1.262	0.288	/
	DSI8		Front Side	10	38000	2595	50	HIGH	-0.15	0.036	16.22	17.50	1.343	0.048	/
	DSI8		Back Side	10	38000	2595	50	HIGH	0.03	0.074	16.22	17.50	1.343	0.099	/
	DSI8		Right Edge	10	38000	2595	50	HIGH	0.10	0.009	16.22	17.50	1.343	0.012	/
	DSI8		Top Edge	10	38000	2595	50	HIGH	-0.07	0.180	16.22	17.50	1.343	0.242	/
Ant.31	DSI8	QPSK	Front Side	10	38000	2595	1	MID	-0.07	0.252	23.68	24.00	1.076	0.271	/
	DSI8		Back Side	10	38000	2595	1	MID	-0.05	0.360	23.68	24.00	1.076	0.387	39#
	DSI8		Left Edge	10	38000	2595	1	MID	0.15	0.194	23.68	24.00	1.076	0.209	/
	DSI8		Right Edge	10	38000	2595	1	MID	0.07	0.023	23.68	24.00	1.076	0.025	/
	DSI8		Bottom Edge	10	38000	2595	1	MID	-0.10	0.231	23.68	24.00	1.076	0.249	/
	DSI8		Front Side	10	38000	2595	50	MID	-0.02	0.196	23.34	24.00	1.164	0.228	/
	DSI8		Back Side	10	38000	2595	50	MID	0.14	0.299	23.34	24.00	1.164	0.348	/
	DSI8		Left Edge	10	38000	2595	50	MID	0.12	0.143	23.34	24.00	1.164	0.166	/
	DSI8		Right Edge	10	38000	2595	50	MID	0.01	0.024	23.34	24.00	1.164	0.028	/
	DSI8		Bottom Edge	10	38000	2595	50	MID	0.08	0.168	23.34	24.00	1.164	0.196	/

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

10.14 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.13	DSI5	QPSK	Left Cheek	0	40640	2595	1	HIGH	0.10	0.414	19.08	20.00	1.236	0.512	/
	DSI5		Left Tilt	0	40640	2595	1	HIGH	0.14	0.484	19.08	20.00	1.236	0.598	/
	DSI5		Right Cheek	0	40640	2595	1	HIGH	-0.08	0.394	19.08	20.00	1.236	0.487	/
	DSI5		Right Tilt	0	40640	2595	1	HIGH	-0.06	0.672	19.08	20.00	1.236	0.831	40#
	DSI5		Left Cheek	0	40640	2595	50	HIGH	-0.15	0.328	18.86	20.00	1.300	0.426	/
	DSI5		Left Tilt	0	40640	2595	50	HIGH	-0.03	0.398	18.86	20.00	1.300	0.517	/
	DSI5		Right Cheek	0	40640	2595	50	HIGH	0.02	0.342	18.86	20.00	1.300	0.445	/
	DSI5		Right Tilt	0	40640	2595	50	HIGH	0.07	0.540	18.86	20.00	1.300	0.702	/
	DSI5		Right Tilt	0	40140	2545	1	HIGH	0.02	0.632	19.08	20.00	1.236	0.781	/
	DSI5		Right Tilt	0	41140	2645	1	Low	0.03	0.625	19.05	20.00	1.245	0.778	/
	DSI5		Right Tilt	0	40140	2545	50	Low	0.01	0.488	18.43	20.00	1.435	0.700	/
	DSI5		Right Tilt	0	41140	2645	50	Low	0.04	0.438	18.85	20.00	1.303	0.571	/
	DSI5		Right Tilt	0	40640	2595	100	Low	0.05	0.466	18.76	20.00	1.330	0.620	/
	Ant.13		DSI7	QPSK	Left Cheek	0	40640	2595	1	HIGH	0.02	0.261	17.34	18.00	1.164
DSI7		Left Tilt	0		40640	2595	1	HIGH	-0.04	0.305	17.34	18.00	1.164	0.355	/
DSI7		Right Cheek	0		40640	2595	1	HIGH	0.10	0.249	17.34	18.00	1.164	0.290	/
DSI7		Right Tilt	0		40640	2595	1	HIGH	-0.02	0.424	17.34	18.00	1.164	0.494	/
DSI7		Left Cheek	0		40640	2595	50	HIGH	-0.10	0.207	17.25	18.00	1.189	0.246	/
DSI7		Left Tilt	0		40640	2595	50	HIGH	0.13	0.251	17.25	18.00	1.189	0.298	/
DSI7		Right Cheek	0		40640	2595	50	HIGH	-0.02	0.216	17.25	18.00	1.189	0.257	/
DSI7		Right Tilt	0		40640	2595	50	HIGH	0.04	0.341	17.25	18.00	1.189	0.405	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	40640	2595	1	Mid	-0.14	0.066	24.82	25.00	1.042	0.069	/
	DSI5&7		Left Tilt	0	40640	2595	1	Mid	0.14	0.045	24.82	25.00	1.042	0.047	/
	DSI5&7		Right Cheek	0	40640	2595	1	Mid	0.15	0.130	24.82	25.00	1.042	0.135	/
	DSI5&7		Right Tilt	0	40640	2595	1	Mid	-0.15	0.076	24.82	25.00	1.042	0.079	/
	DSI5&7		Left Cheek	0	40640	2595	50	Low	0.05	0.057	23.89	24.00	1.026	0.058	/
	DSI5&7		Left Tilt	0	40640	2595	50	Low	-0.11	0.043	23.89	24.00	1.026	0.044	/
	DSI5&7		Right Cheek	0	40640	2595	50	Low	-0.03	0.103	23.89	24.00	1.026	0.106	/
	DSI5&7		Right Tilt	0	40640	2595	50	Low	0.05	0.056	23.89	24.00	1.026	0.057	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	40640	2595	1	HIGH	0.15	0.047	19.08	20.00	1.236	0.058	/
	DSI6		Back Side	15	40640	2595	1	HIGH	0.07	0.106	19.08	20.00	1.236	0.131	41#
	DSI6		Front Side	15	40640	2595	50	HIGH	-0.05	0.036	18.86	20.00	1.300	0.047	/
	DSI6		Back Side	15	40640	2595	50	HIGH	0.10	0.085	18.86	20.00	1.300	0.111	/
Ant.31	DSI6	QPSK	Front Side	15	40640	2595	1	Mid	0.05	0.029	24.82	25.00	1.042	0.030	/
	DSI6		Back Side	15	40640	2595	1	Mid	0.15	0.020	24.82	25.00	1.042	0.021	/

	DSI6		Front Side	15	40640	2595	50	Low	0.14	0.022	23.89	24.00	1.026	0.023	/
	DSI6		Back Side	15	40640	2595	50	Low	-0.14	0.016	23.89	24.00	1.026	0.016	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	40640	2595	1	HIGH	0.14	0.042	17.40	17.50	1.023	0.043	/
	DSI8		Back Side	10	40640	2595	1	HIGH	0.07	0.110	17.40	17.50	1.023	0.113	/
	DSI8		Right Edge	10	40640	2595	1	HIGH	0.10	0.010	17.40	17.50	1.023	0.010	/
	DSI8		Top Edge	10	40640	2595	1	HIGH	0.02	0.204	17.40	17.50	1.023	0.209	42#
	DSI8		Front Side	10	40640	2595	50	HIGH	-0.06	0.031	17.29	17.50	1.050	0.033	/
	DSI8		Back Side	10	40640	2595	50	HIGH	0.07	0.058	17.29	17.50	1.050	0.061	/
	DSI8		Right Edge	10	40640	2595	50	HIGH	-0.14	0.002	17.29	17.50	1.050	0.002	/
	DSI8		Top Edge	10	40640	2645	50	HIGH	-0.03	0.137	17.29	17.50	1.050	0.144	/
Ant.31	DSI8	QPSK	Front Side	10	40640	2595	1	Low	0.00	0.166	23.32	24.00	1.169	0.194	/
	DSI8		Back Side	10	40640	2595	1	Low	0.11	0.132	23.32	24.00	1.169	0.154	/
	DSI8		Left Edge	10	40640	2595	1	Low	0.15	0.066	23.32	24.00	1.169	0.077	/
	DSI8		Right Edge	10	40640	2595	1	Low	0.03	0.002	23.32	24.00	1.169	0.002	/
	DSI8		Bottom Edge	10	40640	2595	1	Low	0.00	0.177	23.32	24.00	1.169	0.207	/
	DSI8		Front Side	10	40640	2595	50	HIGH	0.03	0.133	23.35	24.00	1.161	0.154	/
	DSI8		Back Side	10	40640	2595	50	HIGH	0.07	0.107	23.35	24.00	1.161	0.124	/
	DSI8		Left Edge	10	40640	2595	50	HIGH	-0.05	0.053	23.35	24.00	1.161	0.062	/
	DSI8		Right Edge	10	40640	2595	50	HIGH	0.09	0.002	23.35	24.00	1.161	0.002	/
	DSI8		Bottom Edge	10	40640	2595	50	HIGH	0.13	0.154	23.35	24.00	1.161	0.179	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.15 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.22	DH5	Left Cheek	0	78	2480	0.02	0.085	9.33	11.00	1.469	77.69	1.287	0.161	/
		Left Tilt	0	78	2480	0.01	0.110	9.33	11.00	1.469	77.69	1.287	0.208	43#
		Right Cheek	0	78	2480	0.05	0.046	9.33	11.00	1.469	77.69	1.287	0.087	/
		Right Tilt	0	78	2480	0.04	0.030	9.33	11.00	1.469	77.69	1.287	0.057	/
Body-worn														
Ant.22	DH5	Front Side	15	78	2480	0.05	0.023	9.33	11.00	1.469	77.69	1.287	0.043	/
		Back Side	15	78	2480	0.01	0.042	9.33	11.00	1.469	77.69	1.287	0.079	44#
Hotspot														
Ant.22	DH5	Front Side	10	78	2480	0.02	0.044	9.33	11.00	1.469	77.69	1.287	0.083	/
		Back Side	10	78	2480	0.01	0.095	9.33	11.00	1.469	77.69	1.287	0.180	45#
		Left Edge	10	78	2480	0.04	0.023	9.33	11.00	1.469	77.69	1.287	0.043	/
		Top Edge	10	78	2480	0.06	0.018	9.33	11.00	1.469	77.69	1.287	0.034	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.16 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.22	Leve1	802.11b	Left Cheek	0	6	2437	0.08	0.727	17.14	18.00	1.219	98.31	1.017	0.901	46#
	Leve1		Left Tilt	0	6	2437	-0.14	0.434	17.14	18.00	1.219	98.31	1.017	0.538	/
	Leve1		Right Cheek	0	6	2437	0.07	0.436	17.14	18.00	1.219	98.31	1.017	0.541	/
	Leve1		Right Tilt	0	6	2437	-0.15	0.512	17.14	18.00	1.219	98.31	1.017	0.635	/
	Leve1		Left Cheek	0	1	2414	0.04	0.436	17.12	18.00	1.225	98.31	1.017	0.543	/
	Leve1		Left Cheek	0	11	2462	0.05	0.512	17.13	18.00	1.222	98.31	1.017	0.636	/
Ant.22	Leve2	802.11b	Left Cheek	0	1	2414	0.01	0.563	16.66	17.00	1.081	98.55	1.015	0.618	/
	Leve2		Left Tilt	0	1	2414	-0.09	0.345	16.66	17.00	1.081	98.55	1.015	0.379	/
	Leve2		Right Cheek	0	1	2414	0.07	0.346	16.66	17.00	1.081	98.55	1.015	0.380	/
	Leve2		Right Tilt	0	1	2414	-0.1	0.407	16.66	17.00	1.081	98.55	1.015	0.447	/
Body-worn															
Ant.22	Leve3	802.11 b	Front Side	15	11	2462	-0.08	0.121	18.35	20.00	1.462	98.31	1.017	0.180	/
	Leve3		Back Side	15	11	2462	0.15	0.130	18.35	20.00	1.462	98.31	1.017	0.193	47#
Hotspot															
Ant.22	Leve4	802.11 b	Front Side	10	11	2462	0.12	0.121	18.35	20.00	1.462	98.31	1.017	0.180	/
	Leve4		Back Side	10	11	2462	0.18	0.267	18.35	20.00	1.462	98.31	1.017	0.397	48#
	Leve4		Left Edge	10	11	2462	-0.08	0.110	18.35	20.00	1.462	98.31	1.017	0.164	/
	Leve4		Top Edge	10	11	2462	0	0.161	18.35	20.00	1.462	98.31	1.017	0.239	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.17 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.22	5.3G	Leve1	802.11 n40	Left Cheek	0	54	5270	0.09	0.305	17.03	18.00	1.250	88.93	1.124	0.429	49#
		Leve1		Left Tilt	0	54	5270	-0.11	0.247	17.03	18.00	1.250	88.93	1.124	0.347	/
		Leve1		Right Cheek	0	54	5270	-0.06	0.155	17.03	18.00	1.250	88.93	1.124	0.218	/
		Leve1		Right Tilt	0	54	5270	-0.15	0.182	17.03	18.00	1.250	88.93	1.124	0.256	/
		Leve2	802.11 ac80	Left Cheek	0	58	5290	-0.04	0.215	14.43	16.00	1.435	80.12	1.248	0.385	/
		Leve2		Left Tilt	0	58	5290	-0.06	0.175	14.43	16.00	1.435	80.12	1.248	0.313	/
		Leve2		Right Cheek	0	58	5290	-0.02	0.110	14.43	16.00	1.435	80.12	1.248	0.197	/
		Leve2		Right Tilt	0	58	5290	-0.09	0.129	14.43	16.00	1.435	80.12	1.248	0.231	/
Ant.22	5.6G	Leve1	802.11 n40	Left Cheek	0	134	5670	0.09	0.752	16.35	17.00	1.161	88.93	1.124	0.981	50#
		Leve1		Left Tilt	0	134	5670	0.14	0.386	16.35	17.00	1.161	88.93	1.124	0.504	/
		Leve1		Right Cheek	0	134	5670	0.03	0.225	16.35	17.00	1.161	88.93	1.124	0.294	/
		Leve1		Right Tilt	0	134	5670	0.12	0.272	16.35	17.00	1.161	88.93	1.124	0.355	/
		Leve1	802.11 ac80	Left Cheek	0	134	5670	0.01	0.656	16.26	17.00	1.186	88.93	1.124	0.874	/
		Leve1		Left Cheek	0	134	5670	0.04	0.688	16.29	17.00	1.178	88.93	1.124	0.911	/
		Leve2		Left Cheek	0	122	5610	0.14	0.325	14.30	16.00	1.479	80.12	1.248	0.600	/
		Leve2		Left Tilt	0	122	5610	0.15	0.307	14.30	16.00	1.479	80.12	1.248	0.567	/
		Leve2		Right Cheek	0	122	5610	-0.08	0.179	14.30	16.00	1.479	80.12	1.248	0.330	/
		Leve2		Right Tilt	0	122	5610	0.14	0.216	14.30	16.00	1.479	80.12	1.248	0.399	
Ant.22	5.8G	Leve1	802.11 n40	Left Cheek	0	151	5755	0.05	0.669	16.88	18.00	1.294	88.93	1.124	0.973	51#
		Leve1		Left Tilt	0	151	5755	0.1	0.357	16.88	18.00	1.294	88.93	1.124	0.519	/
		Leve1		Right Cheek	0	151	5755	0.06	0.203	16.88	18.00	1.294	88.93	1.124	0.295	/
		Leve1		Right Tilt	0	151	5755	-0.05	0.269	16.88	18.00	1.294	88.93	1.124	0.391	/
		Leve1	802.11 n40	Left Cheek	0	159	5795	0.04	0.562	16.52	18.00	1.406	88.93	1.124	0.888	/
		Leve2		Left Cheek	0	151	5755	0	0.388	15.45	17.00	1.429	87.89	1.138	0.631	/
		Leve2		Left Tilt	0	151	5755	-0.03	0.283	15.45	17.00	1.429	87.89	1.138	0.460	/
		Leve2		Right Cheek	0	151	5755	0.03	0.162	15.45	17.00	1.429	87.89	1.138	0.263	/
		Leve2		Right Tilt	0	151	5755	0.02	0.214	15.45	17.00	1.429	87.89	1.138	0.348	/
Body-worn																
Ant.22	5.3G	Leve3	802.11a	Front Side	15	64	5320	0.05	0.432	17.85	19.00	1.303	91.39	1.094	0.616	/
		Leve3		Back Side	15	64	5320	0.02	0.679	17.85	19.00	1.303	91.39	1.094	0.968	52#
		Leve3		Back Side	15	52	5260	0.04	0.550	17.89	19.00	1.291	91.39	1.094	0.777	/
		Leve3		Back Side	15	60	5300	0.02	0.588	17.88	19.00	1.294	91.39	1.094	0.832	/
Ant.22	5.6G	Leve3	802.11a	Front Side	15	134	5670	0.03	0.342	16.31	17.00	1.172	91.39	1.094	0.439	/
		Leve3		Back Side	15	134	5670	-0.18	0.636	16.31	17.00	1.172	91.39	1.094	0.815	53#
		Leve3		Back Side	15	102	5510	0.05	0.558	16.26	17.00	1.186	91.39	1.094	0.724	/
		Leve3		Back Side	15	118	5590	0.05	0.564	16.29	17.00	1.178	91.39	1.094	0.727	/

Ant.22	5.8G	Leve3	802.11 n40	Front Side	15	151	5755	0.02	0.345	16.88	17.00	1.028	88.93	1.124	0.399	/
		Leve3		Back Side	15	151	5755	0.1	0.626	16.88	17.00	1.028	88.93	1.124	0.723	54#
Hotspot																
Ant.22	5.2G	Leve4	802.11a	Front Side	10	36	5180	0.04	0.145	17.37	18.00	1.156	91.39	1.094	0.183	/
		Leve4		Back Side	10	36	5180	-0.14	0.456	17.37	18.00	1.156	91.39	1.094	0.577	55#
		Leve4		Left Edge	10	36	5180	-0.1	0.306	17.37	18.00	1.156	91.39	1.094	0.387	/
		Leve4		Top Edge	10	36	5180	0.12	0.293	17.37	18.00	1.156	91.39	1.094	0.371	/
Ant.22	5.8G	Leve4	802.11ac80	Front Side	10	155	5775	0.1	0.085	12.68	14.00	1.355	80.12	1.248	0.144	/
		Leve4		Back Side	10	155	5775	-0.01	0.328	12.68	14.00	1.355	80.12	1.248	0.555	/
		Leve4		Left Edge	10	155	5775	-0.14	0.340	12.68	14.00	1.355	80.12	1.248	0.575	56#
		Leve4		Top Edge	10	155	5775	0.03	0.092	12.68	14.00	1.355	80.12	1.248	0.156	/
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	10 g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.22	5.3G	Leve3	802.11a	Front Side	0	64	5320	-0.02	0.326	17.85	19.00	1.303	91.39	1.094	0.465	/
		Leve3		Back Side	0	64	5320	0.12	0.685	17.85	19.00	1.303	91.39	1.094	0.976	/
		Leve3		Left Edge	0	64	5320	-0.09	1.100	17.85	19.00	1.303	91.39	1.094	1.568	57#
		Leve3		Top Edge	0	64	5320	0.05	0.778	17.85	19.00	1.303	91.39	1.094	1.109	/
		Leve3		Left Edge	0	52	5260	-0.09	0.890	17.89	19.00	1.291	91.39	1.094	1.257	/
		Leve3		Left Edge	0	60	5300	-0.02	0.821	17.88	19.00	1.294	91.39	1.094	1.162	/
Ant.22	5.6G	Leve3	802.11a	Front Side	0	134	5670	0.04	0.274	16.88	17.00	1.028	91.39	1.094	0.308	/
		Leve3		Back Side	0	134	5670	-0.05	0.686	16.88	17.00	1.028	91.39	1.094	0.771	/
		Leve3		Left Edge	0	134	5670	0.03	0.718	16.88	17.00	1.028	91.39	1.094	0.807	58#
		Leve3		Top Edge	0	134	5670	-0.04	0.335	16.88	17.00	1.028	91.39	1.094	0.377	/
		Leve3		Top Edge	0	134	5670	0.1	0.217	16.88	17.00	1.028	91.39	1.094	0.244	/
		Leve3		Top Edge	0	134	5670	0.06	0.297	16.88	17.00	1.028	91.39	1.094	0.334	/
Ant.22	5.8G	Leve3	802.11n40	Front Side	0	151	5755	0.02	0.308	16.88	17.00	1.028	88.93	1.124	0.356	/
		Leve3		Back Side	0	151	5755	0.03	0.578	16.88	17.00	1.028	88.93	1.124	0.668	/
		Leve3		Left Edge	0	151	5755	0.01	1.050	16.88	17.00	1.028	88.93	1.124	1.213	59#
		Leve3		Top Edge	0	151	5755	0.05	0.685	16.88	17.00	1.028	88.93	1.124	0.791	/
		Leve3		Left Edge	0	159	5795	0.11	0.953	16.52	17.00	1.117	88.93	1.124	1.196	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.18 LTE Band 18 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13	DSI5	QPSK	Left Cheek	0	23925	822.5	1	MID	0.08	0.323	22.99	23.00	1.002	0.324	/
	DSI5		Left Tilt	0	23925	822.5	1	MID	0.11	0.325	22.99	23.00	1.002	0.326	/
	DSI5		Right Cheek	0	23925	822.5	1	MID	0.04	0.637	22.99	23.00	1.002	0.638	60#
	DSI5		Right Tilt	0	23925	822.5	1	MID	-0.14	0.322	22.99	23.00	1.002	0.323	/
	DSI5		Left Cheek	0	23925	822.5	36	HIGH	-0.08	0.425	22.97	23.00	1.007	0.428	/
	DSI5		Left Tilt	0	23925	822.5	36	HIGH	-0.14	0.368	22.97	23.00	1.007	0.371	/
	DSI5		Right Cheek	0	23925	822.5	36	HIGH	0.12	0.468	22.97	23.00	1.007	0.471	/
	DSI5		Right Tilt	0	23925	822.5	36	HIGH	0.04	0.325	22.97	23.00	1.007	0.327	/
Ant.13	DSI7	QPSK	Left Cheek	0	23925	822.5	1	LOW	0.06	0.204	19.46	21.00	1.426	0.291	/
	DSI7		Left Tilt	0	23925	822.5	1	LOW	0.04	0.205	19.46	21.00	1.426	0.292	/
	DSI7		Right Cheek	0	23925	822.5	1	LOW	0.13	0.402	19.46	21.00	1.426	0.573	/
	DSI7		Right Tilt	0	23925	822.5	1	LOW	0.02	0.203	19.46	21.00	1.426	0.289	/
	DSI7		Left Cheek	0	23925	822.5	36	HIGH	-0.11	0.268	19.44	21.00	1.432	0.384	/
	DSI7		Left Tilt	0	23925	822.5	36	HIGH	0.08	0.232	19.44	21.00	1.432	0.332	/
	DSI7		Right Cheek	0	23925	822.5	36	HIGH	0.07	0.295	19.44	21.00	1.432	0.422	/
	DSI7		Right Tilt	0	23925	822.5	36	HIGH	0.01	0.205	19.44	21.00	1.432	0.294	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	23925	822.5	1	MID	0.15	0.085	24.25	25.00	1.189	0.101	/
	DSI5&7		Left Tilt	0	23925	822.5	1	MID	0.05	0.026	24.25	25.00	1.189	0.031	/
	DSI5&7		Right Cheek	0	23925	822.5	1	MID	0.03	0.063	24.25	25.00	1.189	0.075	/
	DSI5&7		Right Tilt	0	23925	822.5	1	MID	0.04	0.014	24.25	25.00	1.189	0.017	/
	DSI5&7		Left Cheek	0	23925	822.5	36	HIGH	-0.06	0.056	24.25	25.00	1.189	0.067	/
	DSI5&7		Left Tilt	0	23925	822.5	36	HIGH	-0.03	0.027	23.19	24.00	1.205	0.033	/
	DSI5&7		Right Cheek	0	23925	822.5	36	HIGH	0.00	0.026	23.19	24.00	1.205	0.031	/
	DSI5&7		Right Tilt	0	23925	822.5	36	HIGH	0.12	0.011	23.19	24.00	1.205	0.013	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	23925	822.5	1	MID	-0.13	0.068	22.99	23.00	1.002	0.068	/
	DSI6		Back Side	15	23925	822.5	1	MID	-0.11	0.118	22.99	23.00	1.002	0.118	61#
	DSI6		Front Side	15	23925	822.5	36	HIGH	0.01	0.053	22.97	23.00	1.007	0.053	/
	DSI6		Back Side	15	23925	822.5	36	HIGH	0.03	0.079	22.97	23.00	1.007	0.080	/
Ant.31	DSI6	QPSK	Front Side	15	23925	822.5	1	MID	-0.09	0.025	24.25	25.00	1.189	0.030	/
	DSI6		Back Side	15	23925	822.5	1	MID	-0.02	0.094	24.25	25.00	1.189	0.112	/
	DSI6		Front Side	15	23925	822.5	36	HIGH	0.02	0.073	23.19	24.00	1.205	0.088	/
	DSI6		Back Side	15	23925	822.5	36	HIGH	0.04	0.082	23.19	24.00	1.205	0.099	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	23925	822.5	1	High	-0.08	0.090	22.00	22.00	1.000	0.090	/
	DSI8		Back Side	10	23925	822.5	1	High	0.00	0.108	22.00	22.00	1.000	0.108	/

	DSI8		Right Edge	10	23925	822.5	1	High	0.13	0.068	22.00	22.00	1.000	0.068	/
	DSI8		Top Edge	10	23925	822.5	1	High	0.00	0.119	22.00	22.00	1.000	0.119	62#
	DSI8		Front Side	10	23925	822.5	36	High	0.11	0.081	21.97	22.00	1.007	0.082	/
	DSI8		Back Side	10	23925	822.5	36	High	-0.07	0.094	21.97	22.00	1.007	0.095	/
	DSI8		Right Edge	10	23925	822.5	36	High	-0.03	0.050	21.97	22.00	1.007	0.050	/
	DSI8		Top Edge	10	23925	822.5	36	High	0.13	0.090	21.97	22.00	1.007	0.091	/
Ant.31	DSI8	QPSK	Front Side	10	23925	822.5	1	LOW	-0.06	0.090	24.25	25.00	1.189	0.107	/
	DSI8		Back Side	10	23925	822.5	1	LOW	-0.14	0.098	24.25	25.00	1.189	0.117	/
	DSI8		Left Edge	10	23925	822.5	1	LOW	0.14	0.095	24.25	25.00	1.189	0.113	/
	DSI8		Right Edge	10	23925	822.5	1	LOW	-0.11	0.077	24.25	25.00	1.189	0.092	/
	DSI8		Bottom Edge	10	23925	822.5	1	LOW	0.08	0.069	24.25	25.00	1.189	0.082	/
	DSI8		Front Side	10	23925	822.5	36	HIGH	0.12	0.079	23.19	24.00	1.205	0.095	/
	DSI8		Back Side	10	23925	822.5	36	HIGH	0.12	0.095	23.19	24.00	1.205	0.114	/
	DSI8		Left Edge	10	23925	822.5	36	HIGH	0.09	0.050	23.19	24.00	1.205	0.060	/
	DSI8		Right Edge	10	23925	822.5	36	HIGH	-0.02	0.076	23.19	24.00	1.205	0.092	/
	DSI8		Bottom Edge	10	23925	822.5	36	HIGH	-0.06	0.060	23.19	24.00	1.205	0.072	/

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

10.19 LTE Band 19 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.13	DSI5	QPSK	Left Cheek	0	24075	837.5	1	Low	0.14	0.453	21.42	22.50	1.282	0.581	/
	DSI5		Left Tilt	0	24075	837.5	1	Low	0.06	0.446	21.42	22.50	1.282	0.572	/
	DSI5		Right Cheek	0	24075	837.5	1	Low	-0.01	0.634	21.42	22.50	1.282	0.813	63#
	DSI5		Right Tilt	0	24075	837.5	1	Low	-0.06	0.458	21.42	22.50	1.282	0.587	/
	DSI5		Left Cheek	0	24075	837.5	36	Mid	0.03	0.375	20.18	21.50	1.355	0.508	/
	DSI5		Left Tilt	0	24075	837.5	36	Mid	-0.14	0.360	20.18	21.50	1.355	0.488	/
	DSI5		Right Cheek	0	24075	837.5	36	Mid	0.11	0.325	20.18	21.50	1.355	0.440	/
	DSI5		Right Tilt	0	24075	837.5	36	Mid	0.15	0.268	20.18	21.50	1.355	0.363	/
Ant.13	DSI7	QPSK	Left Cheek	0	24075	837.5	1	Mid	-0.13	0.321	19.46	21.00	1.426	0.458	/
	DSI7		Left Tilt	0	24075	837.5	1	Mid	-0.05	0.316	19.46	21.00	1.426	0.451	/
	DSI7		Right Cheek	0	24075	837.5	1	Mid	-0.08	0.449	19.46	21.00	1.426	0.640	/
	DSI7		Right Tilt	0	24075	837.5	1	Mid	0.03	0.324	19.46	21.00	1.426	0.462	/
	DSI7		Left Cheek	0	24075	837.5	36	Mid	-0.01	0.265	19.44	21.00	1.432	0.379	/
	DSI7		Left Tilt	0	24075	837.5	36	Mid	-0.14	0.255	19.44	21.00	1.432	0.365	/
	DSI7		Right Cheek	0	24075	837.5	36	Mid	-0.06	0.383	19.44	21.00	1.432	0.548	/
	DSI7		Right Tilt	0	24075	837.5	36	Mid	-0.03	0.168	19.44	21.00	1.432	0.241	/
Ant.31	DSI5&7	QPSK	Left Cheek	0	24075	837.5	1	Mid	0.14	0.136	23.53	25.00	1.403	0.191	/
	DSI5&7		Left Tilt	0	24075	837.5	1	Mid	0.00	0.072	23.53	25.00	1.403	0.101	/
	DSI5&7		Right Cheek	0	24075	837.5	1	Mid	-0.09	0.065	23.53	25.00	1.403	0.091	/
	DSI5&7		Right Tilt	0	24075	837.5	1	Mid	-0.01	0.033	23.53	25.00	1.403	0.046	/
	DSI5&7		Left Cheek	0	24075	837.5	36	HIGH	0.11	0.111	22.69	24.00	1.352	0.150	/
	DSI5&7		Left Tilt	0	24075	837.5	36	HIGH	0.11	0.058	22.69	24.00	1.352	0.078	/
	DSI5&7		Right Cheek	0	24075	837.5	36	HIGH	-0.13	0.055	22.69	24.00	1.352	0.074	/
	DSI5&7		Right Tilt	0	24075	837.5	36	HIGH	-0.14	0.018	22.69	24.00	1.352	0.024	/
Body-worn															
Ant.13	DSI6	QPSK	Front Side	15	24075	837.5	1	HIGH	-0.15	0.110	23.12	25.00	1.542	0.170	/
	DSI6		Back Side	15	24075	837.5	1	HIGH	0.00	0.163	23.12	25.00	1.542	0.251	64#
	DSI6		Front Side	15	24075	837.5	36	HIGH	0.14	0.097	22.16	24.00	1.528	0.148	/
	DSI6		Back Side	15	24075	837.5	36	HIGH	0.14	0.139	22.16	24.00	1.528	0.212	/
Ant.31	DSI6	QPSK	Front Side	15	24075	837.5	1	Mid	0.02	0.026	23.53	25.00	1.403	0.036	/
	DSI6		Back Side	15	24075	837.5	1	Mid	0.02	0.098	23.53	25.00	1.403	0.137	/
	DSI6		Front Side	15	24075	837.5	36	HIGH	0.13	0.076	22.69	24.00	1.352	0.103	/
	DSI6		Back Side	15	24075	837.5	36	HIGH	0.11	0.089	22.69	24.00	1.352	0.120	/
Hotspot															
Ant.13	DSI8	QPSK	Front Side	10	24075	837.5	1	Mid	0.06	0.207	22.90	24.50	1.445	0.299	/
	DSI8		Back Side	10	24075	837.5	1	Mid	0.11	0.222	22.90	24.50	1.445	0.321	/

	DSI8		Right Edge	10	24075	837.5	1	Mid	0.03	0.128	22.90	24.50	1.445	0.185	/
	DSI8		Top Edge	10	24075	837.5	1	Mid	0.00	0.223	22.90	24.50	1.445	0.322	65#
	DSI8		Front Side	10	24075	837.5	36	Mid	-0.12	0.173	22.48	24.00	1.419	0.245	/
	DSI8		Back Side	10	24075	837.5	36	Mid	-0.11	0.205	22.48	24.00	1.419	0.291	/
	DSI8		Right Edge	10	24075	837.5	36	Mid	-0.02	0.113	22.48	24.00	1.419	0.160	/
	DSI8		Top Edge	10	24075	837.5	36	Mid	-0.03	0.190	22.48	24.00	1.419	0.270	/
Ant.31	DSI8	QPSK	Front Side	10	24075	837.5	1	Low	0.03	0.125	23.78	24.50	1.180	0.148	/
	DSI8		Back Side	10	24075	837.5	1	Low	0.03	0.213	23.78	24.50	1.180	0.251	/
	DSI8		Left Edge	10	24075	837.5	1	Low	-0.14	0.059	23.78	24.50	1.180	0.070	/
	DSI8		Right Edge	10	24075	837.5	1	Low	0.10	0.112	23.78	24.50	1.180	0.132	/
	DSI8		Bottom Edge	10	24075	837.5	1	Low	-0.05	0.104	23.78	24.50	1.180	0.123	/
	DSI8		Front Side	10	24075	837.5	36	HIGH	0.01	0.109	22.83	24.00	1.309	0.143	/
	DSI8		Back Side	10	24075	837.5	36	HIGH	0.08	0.238	22.83	24.00	1.309	0.312	/
	DSI8		Left Edge	10	24075	837.5	36	HIGH	0.09	0.090	22.83	24.00	1.309	0.118	/
	DSI8		Right Edge	10	24075	837.5	36	HIGH	0.11	0.095	22.83	24.00	1.309	0.124	/
	DSI8		Bottom Edge	10	24075	837.5	36	HIGH	-0.01	0.090	22.83	24.00	1.309	0.118	/

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
2600	LTE band 38	Head	Right Tilt	0.890	Yes	0.852	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-DSI7	2.4G WIFI	5G WIFI Max	Bluetooth	WWAN+2.4G WIFI	WWAN+5G WIFI+Bluetooth
GSM850	Ant.13	Left Cheek	0.232	0.634	0.631	0.161	0.866	1.024
GSM850	Ant.13	Left Tilt	0.157	0.388	0.550	0.208	0.545	0.915
GSM850	Ant.13	Right Cheek	0.223	0.389	0.321	0.087	0.612	0.631
GSM850	Ant.13	Right Tilt	0.202	0.458	0.387	0.057	0.660	0.646
GSM850	Ant.31	Left Cheek	0.051	0.634	0.631	0.161	0.685	0.843
GSM850	Ant.31	Left Tilt	0.026	0.388	0.550	0.208	0.414	0.784
GSM850	Ant.31	Right Cheek	0.039	0.389	0.321	0.087	0.428	0.447
GSM850	Ant.31	Right Tilt	0.019	0.458	0.387	0.057	0.477	0.463
GSM 1900	Ant.13	Left Cheek	0.116	0.634	0.631	0.161	0.750	0.908
GSM 1900	Ant.13	Left Tilt	0.152	0.388	0.550	0.208	0.540	0.910
GSM 1900	Ant.13	Right Cheek	0.216	0.389	0.321	0.087	0.605	0.624
GSM 1900	Ant.13	Right Tilt	0.252	0.458	0.387	0.057	0.710	0.696
GSM 1900	Ant.31	Left Cheek	0.119	0.634	0.631	0.161	0.753	0.911
GSM 1900	Ant.31	Left Tilt	0.047	0.388	0.550	0.208	0.435	0.805
GSM 1900	Ant.31	Right Cheek	0.138	0.389	0.321	0.087	0.527	0.546
GSM 1900	Ant.31	Right Tilt	0.063	0.458	0.387	0.057	0.521	0.507
WCDMA B2	Ant.13	Left Cheek	0.208	0.634	0.631	0.161	0.842	1.000
WCDMA B2	Ant.13	Left Tilt	0.263	0.388	0.550	0.208	0.651	1.021
WCDMA B2	Ant.13	Right Cheek	0.314	0.389	0.321	0.087	0.703	0.722
WCDMA B2	Ant.13	Right Tilt	0.379	0.458	0.387	0.057	0.837	0.823
WCDMA B2	Ant.31	Left Cheek	0.158	0.634	0.631	0.161	0.792	0.950
WCDMA B2	Ant.31	Left Tilt	0.076	0.388	0.550	0.208	0.464	0.834
WCDMA B2	Ant.31	Right Cheek	0.121	0.389	0.321	0.087	0.510	0.529
WCDMA B2	Ant.31	Right Tilt	0.077	0.458	0.387	0.057	0.535	0.521
WCDMA B4	Ant.13	Left Cheek	0.094	0.634	0.631	0.161	0.728	0.886
WCDMA B4	Ant.13	Left Tilt	0.119	0.388	0.550	0.208	0.507	0.877
WCDMA B4	Ant.13	Right Cheek	0.159	0.389	0.321	0.087	0.548	0.567
WCDMA B4	Ant.13	Right Tilt	0.218	0.458	0.387	0.057	0.676	0.662
WCDMA B4	Ant.31	Left Cheek	0.065	0.634	0.631	0.161	0.699	0.857
WCDMA B4	Ant.31	Left Tilt	0.050	0.388	0.550	0.208	0.438	0.808
WCDMA B4	Ant.31	Right Cheek	0.044	0.389	0.321	0.087	0.433	0.452
WCDMA B4	Ant.31	Right Tilt	0.025	0.458	0.387	0.057	0.483	0.469
WCDMA B5	Ant.13	Left Cheek	0.403	0.634	0.631	0.161	1.022	1.180
WCDMA B5	Ant.13	Left Tilt	0.132	0.388	0.550	0.208	0.703	1.073
WCDMA B5	Ant.13	Right Cheek	0.069	0.389	0.321	0.087	0.743	0.762

WCDMA B5	Ant.13	Right Tilt	0.107	0.458	0.387	0.057	0.861	0.847
WCDMA B5	Ant.31	Left Cheek	0.107	0.634	0.631	0.161	0.766	0.924
WCDMA B5	Ant.31	Left Tilt	0.056	0.388	0.550	0.208	0.457	0.827
WCDMA B5	Ant.31	Right Cheek	0.087	0.389	0.321	0.087	0.496	0.515
WCDMA B5	Ant.31	Right Tilt	0.050	0.458	0.387	0.057	0.520	0.506
LTE B2	Ant.13	Left Cheek	0.173	0.634	0.631	0.161	0.807	0.965
LTE B2	Ant.13	Left Tilt	0.220	0.388	0.550	0.208	0.608	0.978
LTE B2	Ant.13	Right Cheek	0.284	0.389	0.321	0.087	0.673	0.692
LTE B2	Ant.13	Right Tilt	0.330	0.458	0.387	0.057	0.788	0.774
LTE B2	Ant.31	Left Cheek	0.169	0.634	0.631	0.161	0.803	0.961
LTE B2	Ant.31	Left Tilt	0.065	0.388	0.550	0.208	0.453	0.823
LTE B2	Ant.31	Right Cheek	0.121	0.389	0.321	0.087	0.510	0.529
LTE B2	Ant.31	Right Tilt	0.007	0.458	0.387	0.057	0.465	0.451
LTE B4	Ant.13	Left Cheek	0.234	0.634	0.631	0.161	0.868	1.026
LTE B4	Ant.13	Left Tilt	0.315	0.388	0.550	0.208	0.703	1.073
LTE B4	Ant.13	Right Cheek	0.424	0.389	0.321	0.087	0.813	0.832
LTE B4	Ant.13	Right Tilt	0.471	0.458	0.387	0.057	0.929	0.915
LTE B4	Ant.31	Left Cheek	0.138	0.634	0.631	0.161	0.772	0.930
LTE B4	Ant.31	Left Tilt	0.071	0.388	0.550	0.208	0.459	0.829
LTE B4	Ant.31	Right Cheek	0.094	0.389	0.321	0.087	0.483	0.502
LTE B4	Ant.31	Right Tilt	0.268	0.458	0.387	0.057	0.726	0.712
LTE B5	Ant.13	Left Cheek	0.441	0.634	0.631	0.161	1.075	1.233
LTE B5	Ant.13	Left Tilt	0.434	0.388	0.550	0.208	0.822	1.192
LTE B5	Ant.13	Right Cheek	0.617	0.389	0.321	0.087	1.006	1.025
LTE B5	Ant.13	Right Tilt	0.445	0.458	0.387	0.057	0.903	0.889
LTE B5	Ant.31	Left Cheek	0.186	0.634	0.631	0.161	0.820	0.978
LTE B5	Ant.31	Left Tilt	0.098	0.388	0.550	0.208	0.486	0.856
LTE B5	Ant.31	Right Cheek	0.089	0.389	0.321	0.087	0.478	0.497
LTE B5	Ant.31	Right Tilt	0.045	0.458	0.387	0.057	0.503	0.489
LTE B7	Ant.13	Left Cheek	0.176	0.634	0.631	0.161	0.810	0.968
LTE B7	Ant.13	Left Tilt	0.202	0.388	0.550	0.208	0.590	0.960
LTE B7	Ant.13	Right Cheek	0.197	0.389	0.321	0.087	0.586	0.605
LTE B7	Ant.13	Right Tilt	0.315	0.458	0.387	0.057	0.773	0.759
LTE B7	Ant.31	Left Cheek	0.078	0.634	0.631	0.161	0.712	0.870
LTE B7	Ant.31	Left Tilt	0.029	0.388	0.550	0.208	0.417	0.787
LTE B7	Ant.31	Right Cheek	0.102	0.389	0.321	0.087	0.491	0.510
LTE B7	Ant.31	Right Tilt	0.044	0.458	0.387	0.057	0.502	0.488
LTE B13	Ant.13	Left Cheek	0.466	0.634	0.631	0.161	1.100	1.258
LTE B13	Ant.13	Left Tilt	0.418	0.388	0.550	0.208	0.806	1.176
LTE B13	Ant.13	Right Cheek	0.633	0.389	0.321	0.087	1.022	1.041
LTE B13	Ant.13	Right Tilt	0.561	0.458	0.387	0.057	1.019	1.005
LTE B13	Ant.31	Left Cheek	0.096	0.634	0.631	0.161	0.730	0.888
LTE B13	Ant.31	Left Tilt	0.035	0.388	0.550	0.208	0.423	0.793

LTE B13	Ant.31	Right Cheek	0.131	0.389	0.321	0.087	0.520	0.539
LTE B13	Ant.31	Right Tilt	0.094	0.458	0.387	0.057	0.552	0.538
LTE B26	Ant.13	Left Cheek	0.418	0.634	0.631	0.161	1.052	1.210
LTE B26	Ant.13	Left Tilt	0.397	0.388	0.550	0.208	0.785	1.155
LTE B26	Ant.13	Right Cheek	0.574	0.389	0.321	0.087	0.963	0.982
LTE B26	Ant.13	Right Tilt	0.509	0.458	0.387	0.057	0.967	0.953
LTE B26	Ant.31	Left Cheek	0.180	0.634	0.631	0.161	0.814	0.972
LTE B26	Ant.31	Left Tilt	0.098	0.388	0.550	0.208	0.486	0.856
LTE B26	Ant.31	Right Cheek	0.155	0.389	0.321	0.087	0.544	0.563
LTE B26	Ant.31	Right Tilt	0.087	0.458	0.387	0.057	0.545	0.531
LTE B66	Ant.13	Left Cheek	0.257	0.634	0.631	0.161	0.891	1.049
LTE B66	Ant.13	Left Tilt	0.312	0.388	0.550	0.208	0.700	1.070
LTE B66	Ant.13	Right Cheek	0.445	0.389	0.321	0.087	0.834	0.853
LTE B66	Ant.13	Right Tilt	0.525	0.458	0.387	0.057	0.983	0.969
LTE B66	Ant.31	Left Cheek	0.096	0.634	0.631	0.161	0.730	0.888
LTE B66	Ant.31	Left Tilt	0.069	0.388	0.550	0.208	0.457	0.827
LTE B66	Ant.31	Right Cheek	0.065	0.389	0.321	0.087	0.454	0.473
LTE B66	Ant.31	Right Tilt	0.099	0.458	0.387	0.057	0.557	0.543
LTE B38	Ant.13	Left Cheek	0.153	0.634	0.631	0.161	0.787	0.945
LTE B38	Ant.13	Left Tilt	0.075	0.388	0.550	0.208	0.463	0.833
LTE B38	Ant.13	Right Cheek	0.324	0.389	0.321	0.087	0.713	0.732
LTE B38	Ant.13	Right Tilt	0.419	0.458	0.387	0.057	0.877	0.863
LTE B38	Ant.31	Left Cheek	0.179	0.634	0.631	0.161	0.813	0.971
LTE B38	Ant.31	Left Tilt	0.120	0.388	0.550	0.208	0.508	0.878
LTE B38	Ant.31	Right Cheek	0.098	0.389	0.321	0.087	0.487	0.506
LTE B38	Ant.31	Right Tilt	0.039	0.458	0.387	0.057	0.497	0.483
LTE B41	Ant.13	Left Cheek	0.304	0.634	0.631	0.161	0.938	1.096
LTE B41	Ant.13	Left Tilt	0.355	0.388	0.550	0.208	0.743	1.113
LTE B41	Ant.13	Right Cheek	0.290	0.389	0.321	0.087	0.679	0.698
LTE B41	Ant.13	Right Tilt	0.494	0.458	0.387	0.057	0.952	0.938
LTE B41	Ant.31	Left Cheek	0.069	0.634	0.631	0.161	0.703	0.861
LTE B41	Ant.31	Left Tilt	0.047	0.388	0.550	0.208	0.435	0.805
LTE B41	Ant.31	Right Cheek	0.135	0.389	0.321	0.087	0.524	0.543
LTE B41	Ant.31	Right Tilt	0.079	0.458	0.387	0.057	0.537	0.523
LTE B18	Ant.13	Left Cheek	0.384	0.634	0.631	0.161	1.018	1.176
LTE B18	Ant.13	Left Tilt	0.332	0.388	0.550	0.208	0.720	1.090
LTE B18	Ant.13	Right Cheek	0.573	0.389	0.321	0.087	0.962	0.981
LTE B18	Ant.13	Right Tilt	0.294	0.458	0.387	0.057	0.752	0.738
LTE B18	Ant.31	Left Cheek	0.101	0.634	0.631	0.161	0.735	0.893
LTE B18	Ant.31	Left Tilt	0.031	0.388	0.550	0.208	0.419	0.789
LTE B18	Ant.31	Right Cheek	0.075	0.389	0.321	0.087	0.464	0.483
LTE B18	Ant.31	Right Tilt	0.017	0.458	0.387	0.057	0.475	0.461
LTE B19	Ant.13	Left Cheek	0.458	0.634	0.631	0.161	1.092	1.250

LTE B19	Ant.13	Left Tilt	0.451	0.388	0.550	0.208	0.839	1.209
LTE B19	Ant.13	Right Cheek	0.640	0.389	0.321	0.087	1.029	1.048
LTE B19	Ant.13	Right Tilt	0.462	0.458	0.387	0.057	0.920	0.906
LTE B19	Ant.31	Left Cheek	0.191	0.634	0.631	0.161	0.825	0.983
LTE B19	Ant.31	Left Tilt	0.101	0.388	0.550	0.208	0.489	0.859
LTE B19	Ant.31	Right Cheek	0.091	0.389	0.321	0.087	0.480	0.499
LTE B19	Ant.31	Right Tilt	0.046	0.458	0.387	0.057	0.504	0.490

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 1.258 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-DSI6	2.4G WIFI	5G WIFI Max	Bluetooth	WWAN+2.4G WIFI	WWAN+5G WIFI+Bluetooth
GSM850	Ant.13	Front Side15mm	0.143	0.180	0.616	0.043	0.323	0.802
GSM850	Ant.13	Back Side15mm	0.196	0.193	0.968	0.079	0.389	1.243
GSM850	Ant.31	Front Side15mm	0.065	0.180	0.616	0.043	0.245	0.724
GSM850	Ant.31	Back Side15mm	0.076	0.193	0.968	0.079	0.269	1.123
GSM 1900	Ant.13	Front Side15mm	0.117	0.180	0.616	0.043	0.297	0.776
GSM 1900	Ant.13	Back Side15mm	0.207	0.193	0.968	0.079	0.400	1.254
GSM 1900	Ant.31	Front Side15mm	0.066	0.180	0.616	0.043	0.246	0.725
GSM 1900	Ant.31	Back Side15mm	0.104	0.193	0.968	0.079	0.297	1.151
WCDMA B2	Ant.13	Front Side15mm	0.084	0.180	0.616	0.043	0.264	0.743
WCDMA B2	Ant.13	Back Side15mm	0.179	0.193	0.968	0.079	0.372	1.226
WCDMA B2	Ant.31	Front Side15mm	0.071	0.180	0.616	0.043	0.251	0.730
WCDMA B2	Ant.31	Back Side15mm	0.108	0.193	0.968	0.079	0.301	1.155
WCDMA B4	Ant.13	Front Side15mm	0.141	0.180	0.616	0.043	0.321	0.800
WCDMA B4	Ant.13	Back Side15mm	0.219	0.193	0.968	0.079	0.412	1.266
WCDMA B4	Ant.31	Front Side15mm	0.104	0.180	0.616	0.043	0.284	0.763
WCDMA B4	Ant.31	Back Side15mm	0.160	0.193	0.968	0.079	0.353	1.207
WCDMA B5	Ant.13	Front Side15mm	0.199	0.180	0.616	0.043	0.379	0.858
WCDMA B5	Ant.13	Back Side15mm	0.252	0.193	0.968	0.079	0.445	1.299
WCDMA B5	Ant.31	Front Side15mm	0.153	0.180	0.616	0.043	0.333	0.812
WCDMA B5	Ant.31	Back Side15mm	0.143	0.193	0.968	0.079	0.336	1.190
LTE B2	Ant.13	Front Side15mm	0.069	0.180	0.616	0.043	0.249	0.728
LTE B2	Ant.13	Back Side15mm	0.152	0.193	0.968	0.079	0.345	1.199
LTE B2	Ant.31	Front Side15mm	0.108	0.180	0.616	0.043	0.288	0.767
LTE B2	Ant.31	Back Side15mm	0.205	0.193	0.968	0.079	0.398	1.252
LTE B4	Ant.13	Front Side15mm	0.138	0.180	0.616	0.043	0.318	0.797
LTE B4	Ant.13	Back Side15mm	0.172	0.193	0.968	0.079	0.365	1.219
LTE B4	Ant.31	Front Side15mm	0.137	0.180	0.616	0.043	0.317	0.796
LTE B4	Ant.31	Back Side15mm	0.246	0.193	0.968	0.079	0.439	1.293
LTE B5	Ant.13	Front Side15mm	0.163	0.180	0.616	0.043	0.343	0.822
LTE B5	Ant.13	Back Side15mm	0.251	0.193	0.968	0.079	0.444	1.298
LTE B5	Ant.31	Front Side15mm	0.035	0.180	0.616	0.043	0.215	0.694
LTE B5	Ant.31	Back Side15mm	0.134	0.193	0.968	0.079	0.327	1.181
LTE B7	Ant.13	Front Side15mm	0.071	0.180	0.616	0.043	0.251	0.730
LTE B7	Ant.13	Back Side15mm	0.146	0.193	0.968	0.079	0.339	1.193
LTE B7	Ant.31	Front Side15mm	0.194	0.180	0.616	0.043	0.374	0.853
LTE B7	Ant.31	Back Side15mm	0.134	0.193	0.968	0.079	0.327	1.181

LTE B13	Ant.13	Front Side15mm	0.108	0.180	0.616	0.043	0.288	0.767
LTE B13	Ant.13	Back Side15mm	0.158	0.193	0.968	0.079	0.351	1.205
LTE B13	Ant.31	Front Side15mm	0.092	0.180	0.616	0.043	0.272	0.751
LTE B13	Ant.31	Back Side15mm	0.143	0.193	0.968	0.079	0.336	1.190
LTE B26	Ant.13	Front Side15mm	0.082	0.180	0.616	0.043	0.262	0.741
LTE B26	Ant.13	Back Side15mm	0.185	0.193	0.968	0.079	0.378	1.232
LTE B26	Ant.31	Front Side15mm	0.066	0.180	0.616	0.043	0.246	0.725
LTE B26	Ant.31	Back Side15mm	0.079	0.193	0.968	0.079	0.272	1.126
LTE B66	Ant.13	Front Side15mm	0.056	0.180	0.616	0.043	0.250	0.715
LTE B66	Ant.13	Back Side15mm	0.94	0.193	0.968	0.079	0.236	1.141
LTE B66	Ant.31	Front Side15mm	0.102	0.180	0.616	0.043	0.287	0.761
LTE B66	Ant.31	Back Side15mm	0.130	0.193	0.968	0.079	0.323	1.177
LTE B38	Ant.13	Front Side15mm	0.053	0.180	0.616	0.043	0.233	0.712
LTE B38	Ant.13	Back Side15mm	0.127	0.193	0.968	0.079	0.320	1.174
LTE B38	Ant.31	Front Side15mm	0.062	0.180	0.616	0.043	0.242	0.721
LTE B38	Ant.31	Back Side15mm	0.098	0.193	0.968	0.079	0.291	1.145
LTE B41	Ant.13	Front Side15mm	0.058	0.180	0.616	0.043	0.238	0.717
LTE B41	Ant.13	Back Side15mm	0.131	0.193	0.968	0.079	0.324	1.178
LTE B41	Ant.31	Front Side15mm	0.030	0.180	0.616	0.043	0.210	0.689
LTE B41	Ant.31	Back Side15mm	0.021	0.193	0.968	0.079	0.214	1.068
LTE B18	Ant.13	Front Side15mm	0.068	0.180	0.616	0.043	0.248	0.727
LTE B18	Ant.13	Back Side15mm	0.118	0.193	0.968	0.079	0.311	1.165
LTE B18	Ant.31	Front Side15mm	0.088	0.180	0.616	0.043	0.268	0.747
LTE B18	Ant.31	Back Side15mm	0.112	0.193	0.968	0.079	0.305	1.159
LTE B19	Ant.13	Front Side15mm	0.170	0.180	0.616	0.043	0.350	0.829
LTE B19	Ant.13	Back Side15mm	0.251	0.193	0.968	0.079	0.444	1.298
LTE B19	Ant.31	Front Side15mm	0.103	0.180	0.616	0.043	0.283	0.762
LTE B19	Ant.31	Back Side15mm	0.137	0.193	0.968	0.079	0.330	1.184

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 1.299 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-DSI8	2.4G WIFI	5G WIFI Max	Bluetooth	WWAN+2.4G WIFI	WWAN+5G WIFI+Bluetooth
GSM850	Ant.13	Front Side 10mm	0.242	0.180	0.183	0.083	0.422	0.508
GSM850	Ant.13	Back Side 10mm	0.379	0.397	0.577	0.180	0.776	1.136
GSM850	Ant.13	Right Edge 10mm	0.110	0.000	0.000	0.000	0.110	0.110
GSM850	Ant.13	Top Edge 10mm	0.211	0.239	0.371	0.034	0.450	0.616
GSM850	Ant.31	Front Side 10mm	0.114	0.180	0.183	0.083	0.294	0.380
GSM850	Ant.31	Back Side 10mm	0.194	0.397	0.577	0.180	0.591	0.951
GSM850	Ant.31	Left Edge 10mm	0.110	0.164	0.575	0.043	0.274	0.728
GSM850	Ant.31	Right Edge 10mm	0.215	0.000	0.000	0.000	0.215	0.215
GSM850	Ant.31	Bottom Edge 10mm	0.118	0.000	0.000	0.000	0.118	0.118
GSM 1900	Ant.13	Front Side 10mm	0.061	0.180	0.183	0.083	0.241	0.327
GSM 1900	Ant.13	Back Side 10mm	0.411	0.397	0.577	0.180	0.808	1.168
GSM 1900	Ant.13	Right Edge 10mm	0.362	0.000	0.000	0.000	0.362	0.362
GSM 1900	Ant.13	Top Edge 10mm	0.436	0.239	0.371	0.034	0.675	0.841
GSM 1900	Ant.31	Front Side 10mm	0.133	0.180	0.183	0.083	0.313	0.399
GSM 1900	Ant.31	Back Side 10mm	0.243	0.397	0.577	0.180	0.640	1.000
GSM 1900	Ant.31	Left Edge 10mm	0.085	0.164	0.575	0.043	0.249	0.703
GSM 1900	Ant.31	Right Edge 10mm	0.028	0.000	0.000	0.000	0.028	0.028
GSM 1900	Ant.31	Bottom Edge 10mm	0.321	0.000	0.000	0.000	0.321	0.321
WCDMA B2	Ant.13	Front Side 10mm	0.182	0.180	0.183	0.083	0.362	0.448
WCDMA B2	Ant.13	Back Side 10mm	0.325	0.397	0.577	0.180	0.722	1.082
WCDMA B2	Ant.13	Right Edge 10mm	0.063	0.000	0.000	0.000	0.063	0.063
WCDMA B2	Ant.13	Top Edge 10mm	0.289	0.239	0.371	0.034	0.528	0.694
WCDMA B2	Ant.31	Front Side 10mm	0.187	0.180	0.183	0.083	0.367	0.453
WCDMA B2	Ant.31	Back Side 10mm	0.327	0.397	0.577	0.180	0.724	1.084
WCDMA B2	Ant.31	Left Edge 10mm	0.081	0.164	0.575	0.043	0.245	0.699
WCDMA B2	Ant.31	Right Edge 10mm	0.036	0.000	0.000	0.000	0.036	0.036
WCDMA B2	Ant.31	Bottom Edge 10mm	0.512	0.000	0.000	0.000	0.512	0.512
WCDMA B4	Ant.13	Front Side 10mm	0.043	0.180	0.183	0.083	0.223	0.309
WCDMA B4	Ant.13	Back Side 10mm	0.227	0.397	0.577	0.180	0.624	0.984
WCDMA B4	Ant.13	Right Edge 10mm	0.264	0.000	0.000	0.000	0.264	0.264
WCDMA B4	Ant.13	Top Edge 10mm	0.286	0.239	0.371	0.034	0.525	0.691
WCDMA B4	Ant.31	Front Side 10mm	0.089	0.180	0.183	0.083	0.269	0.355
WCDMA B4	Ant.31	Back Side 10mm	0.165	0.397	0.577	0.180	0.562	0.922
WCDMA B4	Ant.31	Left Edge 10mm	0.020	0.164	0.575	0.043	0.184	0.638
WCDMA B4	Ant.31	Right Edge 10mm	0.005	0.000	0.000	0.000	0.005	0.005
WCDMA B4	Ant.31	Bottom Edge 10mm	0.237	0.000	0.000	0.000	0.237	0.237

WCDMA B5	Ant.13	Front Side 10mm	0.169	0.180	0.183	0.083	0.349	0.435
WCDMA B5	Ant.13	Back Side 10mm	0.261	0.397	0.577	0.180	0.658	1.018
WCDMA B5	Ant.13	Right Edge 10mm	0.073	0.000	0.000	0.000	0.073	0.073
WCDMA B5	Ant.13	Top Edge 10mm	0.218	0.239	0.371	0.034	0.457	0.623
WCDMA B5	Ant.31	Front Side 10mm	0.106	0.180	0.183	0.083	0.286	0.372
WCDMA B5	Ant.31	Back Side 10mm	0.158	0.397	0.577	0.180	0.555	0.915
WCDMA B5	Ant.31	Left Edge 10mm	0.060	0.164	0.575	0.043	0.224	0.678
WCDMA B5	Ant.31	Right Edge 10mm	0.128	0.000	0.000	0.000	0.128	0.128
WCDMA B5	Ant.31	Bottom Edge 10mm	0.117	0.000	0.000	0.000	0.117	0.117
LTE B2	Ant.13	Front Side 10mm	0.086	0.180	0.183	0.083	0.266	0.352
LTE B2	Ant.13	Back Side 10mm	0.175	0.397	0.577	0.180	0.572	0.932
LTE B2	Ant.13	Right Edge 10mm	0.029	0.000	0.000	0.000	0.029	0.029
LTE B2	Ant.13	Top Edge 10mm	0.154	0.239	0.371	0.034	0.393	0.559
LTE B2	Ant.31	Front Side 10mm	0.140	0.180	0.183	0.083	0.320	0.406
LTE B2	Ant.31	Back Side 10mm	0.265	0.397	0.577	0.180	0.662	1.022
LTE B2	Ant.31	Left Edge 10mm	0.059	0.164	0.575	0.043	0.223	0.677
LTE B2	Ant.31	Right Edge 10mm	0.026	0.000	0.000	0.000	0.026	0.026
LTE B2	Ant.31	Bottom Edge 10mm	0.383	0.000	0.000	0.000	0.383	0.383
LTE B4	Ant.13	Front Side 10mm	0.197	0.180	0.183	0.083	0.377	0.463
LTE B4	Ant.13	Back Side 10mm	0.215	0.397	0.577	0.180	0.612	0.972
LTE B4	Ant.13	Right Edge 10mm	0.030	0.000	0.000	0.000	0.030	0.030
LTE B4	Ant.13	Top Edge 10mm	0.317	0.239	0.371	0.034	0.556	0.722
LTE B4	Ant.31	Front Side 10mm	0.155	0.180	0.183	0.083	0.335	0.421
LTE B4	Ant.31	Back Side 10mm	0.321	0.397	0.577	0.180	0.718	1.078
LTE B4	Ant.31	Left Edge 10mm	0.032	0.164	0.575	0.043	0.196	0.650
LTE B4	Ant.31	Right Edge 10mm	0.037	0.000	0.000	0.000	0.037	0.037
LTE B4	Ant.31	Bottom Edge 10mm	0.415	0.000	0.000	0.000	0.415	0.415
LTE B5	Ant.13	Front Side 10mm	0.290	0.180	0.183	0.083	0.470	0.556
LTE B5	Ant.13	Back Side 10mm	0.311	0.397	0.577	0.180	0.708	1.068
LTE B5	Ant.13	Right Edge 10mm	0.179	0.000	0.000	0.000	0.179	0.179
LTE B5	Ant.13	Top Edge 10mm	0.312	0.239	0.371	0.034	0.551	0.717
LTE B5	Ant.31	Front Side 10mm	0.144	0.180	0.183	0.083	0.324	0.410
LTE B5	Ant.31	Back Side 10mm	0.246	0.397	0.577	0.180	0.643	1.003
LTE B5	Ant.31	Left Edge 10mm	0.068	0.164	0.575	0.043	0.232	0.686
LTE B5	Ant.31	Right Edge 10mm	0.129	0.000	0.000	0.000	0.129	0.129
LTE B5	Ant.31	Bottom Edge 10mm	0.120	0.000	0.000	0.000	0.120	0.120
LTE B7	Ant.13	Front Side 10mm	0.030	0.180	0.183	0.083	0.210	0.296
LTE B7	Ant.13	Back Side 10mm	0.070	0.397	0.577	0.180	0.467	0.827
LTE B7	Ant.13	Right Edge 10mm	0.012	0.000	0.000	0.000	0.012	0.012
LTE B7	Ant.13	Top Edge 10mm	0.097	0.239	0.371	0.034	0.336	0.502
LTE B7	Ant.31	Front Side 10mm	0.161	0.180	0.183	0.083	0.341	0.427
LTE B7	Ant.31	Back Side 10mm	0.164	0.397	0.577	0.180	0.561	0.921

LTE B7	Ant.31	Left Edge 10mm	0.129	0.164	0.575	0.043	0.293	0.747
LTE B7	Ant.31	Right Edge 10mm	0.069	0.000	0.000	0.000	0.069	0.069
LTE B7	Ant.31	Bottom Edge 10mm	0.178	0.000	0.000	0.000	0.178	0.178
LTE B13	Ant.13	Front Side 10mm	0.142	0.180	0.183	0.083	0.322	0.408
LTE B13	Ant.13	Back Side 10mm	0.234	0.397	0.577	0.180	0.631	0.991
LTE B13	Ant.13	Right Edge 10mm	0.143	0.000	0.000	0.000	0.143	0.143
LTE B13	Ant.13	Top Edge 10mm	0.203	0.239	0.371	0.034	0.442	0.608
LTE B13	Ant.31	Front Side 10mm	0.176	0.180	0.183	0.083	0.356	0.442
LTE B13	Ant.31	Back Side 10mm	0.260	0.397	0.577	0.180	0.657	1.017
LTE B13	Ant.31	Left Edge 10mm	0.115	0.164	0.575	0.043	0.279	0.733
LTE B13	Ant.31	Right Edge 10mm	0.229	0.000	0.000	0.000	0.229	0.229
LTE B13	Ant.31	Bottom Edge 10mm	0.149	0.000	0.000	0.000	0.149	0.149
LTE B26	Ant.13	Front Side 10mm	0.149	0.180	0.183	0.083	0.329	0.415
LTE B26	Ant.13	Back Side 10mm	0.240	0.397	0.577	0.180	0.637	0.997
LTE B26	Ant.13	Right Edge 10mm	0.066	0.000	0.000	0.000	0.066	0.066
LTE B26	Ant.13	Top Edge 10mm	0.251	0.239	0.371	0.034	0.490	0.656
LTE B26	Ant.31	Front Side 10mm	0.102	0.180	0.183	0.083	0.282	0.368
LTE B26	Ant.31	Back Side 10mm	0.153	0.397	0.577	0.180	0.550	0.910
LTE B26	Ant.31	Left Edge 10mm	0.079	0.164	0.575	0.043	0.243	0.697
LTE B26	Ant.31	Right Edge 10mm	0.125	0.000	0.000	0.000	0.125	0.125
LTE B26	Ant.31	Bottom Edge 10mm	0.088	0.000	0.000	0.000	0.088	0.088
LTE B66	Ant.13	Front Side 10mm	0.070	0.180	0.183	0.083	0.250	0.336
LTE B66	Ant.13	Back Side 10mm	0.138	0.397	0.577	0.180	0.535	0.895
LTE B66	Ant.13	Right Edge 10mm	0.046	0.000	0.000	0.000	0.046	0.046
LTE B66	Ant.13	Top Edge 10mm	0.162	0.239	0.371	0.034	0.401	0.567
LTE B66	Ant.31	Front Side 10mm	0.103	0.180	0.183	0.083	0.283	0.369
LTE B66	Ant.31	Back Side 10mm	0.180	0.397	0.577	0.180	0.577	0.937
LTE B66	Ant.31	Left Edge 10mm	0.022	0.164	0.575	0.043	0.186	0.640
LTE B66	Ant.31	Right Edge 10mm	0.016	0.000	0.000	0.000	0.016	0.016
LTE B66	Ant.31	Bottom Edge 10mm	0.274	0.000	0.000	0.000	0.274	0.274
LTE B38	Ant.13	Front Side 10mm	0.054	0.180	0.183	0.083	0.234	0.320
LTE B38	Ant.13	Back Side 10mm	0.138	0.397	0.577	0.180	0.535	0.895
LTE B38	Ant.13	Right Edge 10mm	0.015	0.000	0.000	0.000	0.015	0.015
LTE B38	Ant.13	Top Edge 10mm	0.288	0.239	0.371	0.034	0.527	0.693
LTE B38	Ant.31	Front Side 10mm	0.271	0.180	0.183	0.083	0.451	0.537
LTE B38	Ant.31	Back Side 10mm	0.387	0.397	0.577	0.180	0.784	1.144
LTE B38	Ant.31	Left Edge 10mm	0.209	0.164	0.575	0.043	0.373	0.827
LTE B38	Ant.31	Right Edge 10mm	0.028	0.000	0.000	0.000	0.028	0.028
LTE B38	Ant.31	Bottom Edge 10mm	0.249	0.000	0.000	0.000	0.249	0.249
LTE B41	Ant.13	Front Side 10mm	0.043	0.180	0.183	0.083	0.223	0.309
LTE B41	Ant.13	Back Side 10mm	0.113	0.397	0.577	0.180	0.510	0.870
LTE B41	Ant.13	Right Edge 10mm	0.010	0.000	0.000	0.000	0.010	0.010

LTE B41	Ant.13	Top Edge 10mm	0.209	0.239	0.371	0.034	0.448	0.614
LTE B41	Ant.31	Front Side 10mm	0.194	0.180	0.183	0.083	0.374	0.460
LTE B41	Ant.31	Back Side 10mm	0.154	0.397	0.577	0.180	0.551	0.911
LTE B41	Ant.31	Left Edge 10mm	0.077	0.164	0.575	0.043	0.241	0.695
LTE B41	Ant.31	Right Edge 10mm	0.002	0.000	0.000	0.000	0.002	0.002
LTE B41	Ant.31	Bottom Edge 10mm	0.207	0.000	0.000	0.000	0.207	0.207
LTE B18	Ant.13	Front Side 10mm	0.090	0.180	0.183	0.083	0.270	0.356
LTE B18	Ant.13	Back Side 10mm	0.108	0.397	0.577	0.180	0.505	0.865
LTE B18	Ant.13	Right Edge 10mm	0.068	0.000	0.000	0.000	0.068	0.068
LTE B18	Ant.13	Top Edge 10mm	0.119	0.239	0.371	0.034	0.358	0.524
LTE B18	Ant.31	Front Side 10mm	0.107	0.180	0.183	0.083	0.287	0.373
LTE B18	Ant.31	Back Side 10mm	0.117	0.397	0.577	0.180	0.514	0.874
LTE B18	Ant.31	Left Edge 10mm	0.113	0.164	0.575	0.043	0.277	0.731
LTE B18	Ant.31	Right Edge 10mm	0.092	0.000	0.000	0.000	0.092	0.092
LTE B18	Ant.31	Bottom Edge 10mm	0.082	0.000	0.000	0.000	0.082	0.082
LTE B19	Ant.13	Front Side 10mm	0.299	0.180	0.183	0.083	0.479	0.565
LTE B19	Ant.13	Back Side 10mm	0.321	0.397	0.577	0.180	0.718	1.078
LTE B19	Ant.13	Right Edge 10mm	0.185	0.000	0.000	0.000	0.185	0.185
LTE B19	Ant.13	Top Edge 10mm	0.322	0.239	0.371	0.034	0.561	0.727
LTE B19	Ant.31	Front Side 10mm	0.148	0.180	0.183	0.083	0.328	0.414
LTE B19	Ant.31	Back Side 10mm	0.312	0.397	0.577	0.180	0.709	1.069
LTE B19	Ant.31	Left Edge 10mm	0.118	0.164	0.575	0.043	0.282	0.736
LTE B19	Ant.31	Right Edge 10mm	0.132	0.000	0.000	0.000	0.132	0.132
LTE B19	Ant.31	Bottom Edge 10mm	0.123	0.000	0.000	0.000	0.123	0.123

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

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1208	2024/08/19	2027/08/18
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2024/05/08	2027/05/07
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2024/05/08	2027/05/07
1950MHz Validation Dipole	Speag	D1950V3	SN: 1240	2024/08/22	2027/08/21
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2024/05/07	2027/05/06
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2024/05/08	2027/05/07
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2024/05/09	2027/05/08
Data Acquisition Electronicsr	Speag	DAE4	SN: 1711	2024/03/18	2025/03/17
E-Field Probe	Speag	EX3DV4	SN: 7510	2024/06/25	2025/06/24
Signal Generator	R&S	SMB100A	177746	2024/04/24	2025/04/23
Power Meter	R&S	NRVD-B2	835843/014	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z4	100381	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z2	100211	2024/08/08	2025/08/07
Wireless Communication Test Set	Anritsu	MT8820C	6201502974	2024/08/01	2025/07/31
Network Analyzer	Agilent	E5071C	MY46103472	2023/11/14	2024/11/13
Thermometer	Elitech	RC-4	EF5238001628	2023/10/09	2024/10/08
Thermometer	Elitech	RC-4HC	EF7239002652	2023/11/17	2024/11/16
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 1576	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

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

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

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

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

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ϵ)	Target Conductivity (σ) (S/m)	Target Permittivity (ϵ)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2024.08.31	Head	750	21.5	0.87	43.23	0.89	41.94	-2.25	3.08
2024.09.01	Head	835	21.3	0.91	42.09	0.90	41.50	1.11	1.42
2024.09.02	Head	835	21.5	0.90	41.32	0.90	41.50	0.00	-0.43
2024.09.03	Head	835	21.2	0.89	41.06	0.90	41.50	-1.11	-1.06
2024.09.04	Head	835	21.1	0.92	41.79	0.90	41.50	2.22	0.70
2024.09.10	Head	835	21.1	0.87	43.10	0.90	41.5	-1.11	1.42
2024.09.05	Head	1750	21.3	1.38	40.01	1.37	40.08	0.73	-0.17
2024.09.06	Head	1750	21.4	1.38	39.24	1.37	40.08	0.73	-2.10
2024.09.07	Head	1750	21.3	1.35	39.53	1.37	40.08	-1.46	-1.37
2024.09.08	Head	1950	21.5	1.44	39.16	1.40	40.00	2.86	-2.10
2024.09.09	Head	1950	21.2	1.41	39.01	1.40	40.00	0.71	-2.48
2024.09.05	Head	2450	21.3	1.83	38.84	1.80	39.20	1.67	-0.92
2024.09.11	Head	2600	21.5	2.01	38.30	1.96	39.01	2.55	-1.82
2024.09.12	Head	2600	21.7	1.98	39.31	1.96	39.01	1.02	0.77
2024.09.13	Head	2600	21.5	2.01	38.09	1.96	39.01	2.55	-2.36
2024.09.14	Head	5250	21.3	4.78	36.59	4.71	35.93	1.49	1.84
2024.09.15	Head	5600	21.3	5.15	35.89	5.07	35.53	1.58	1.01
2024.09.16	Head	5750	21.6	5.07	35.86	5.22	35.36	-2.87	1.41
2024.09.24	Head	2600	21.4	1.98	38.92	1.96	39.01	1.02	-0.23

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 (%)
2024.08.31	Head	750	100	0.85	8.48	8.46	0.24
2024.09.01	Head	835	100	0.99	9.88	9.74	1.44
2024.09.02	Head	835	100	0.98	9.83	9.74	0.92
2024.09.03	Head	835	100	0.98	9.78	9.74	0.41
2024.09.04	Head	835	100	0.99	9.85	9.74	1.13
2024.09.10	Head	835	100	0.97	9.68	9.74	-0.62
2024.09.05	Head	1750	100	3.72	37.20	37.00	0.54
2024.09.06	Head	1750	100	3.88	38.80	37.00	4.86
2024.09.07	Head	1750	100	3.74	37.40	37.00	1.08
2024.09.08	Head	1950	100	4.18	41.80	41.70	0.24
2024.09.09	Head	1950	100	4.15	41.50	41.70	-0.48
2024.09.05	Head	2450	100	5.25	52.50	52.60	-0.19
2024.09.11	Head	2600	100	5.61	56.10	55.90	0.36
2024.09.12	Head	2600	100	5.54	55.40	55.90	-0.89
2024.09.13	Head	2600	100	5.58	55.80	55.90	-0.18
2024.09.14	Head	5250	100	7.81	78.10	77.70	0.51
2024.09.15	Head	5600	100	8.19	81.90	81.30	0.74
2024.09.16	Head	5750	100	7.74	77.40	77.60	-0.26
2024.09.24	Head	2600	100	5.590	55.90	55.90	1.18
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 (%)
2024.09.14	5250	100	2.18	21.80	22.00	-0.91
2024.09.15	5600	100	2.24	22.40	23.10	-3.03

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

System Performance Check Data (750MHz)

Date: 2024.08.31

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

Medium parameters used (extrapolated): $f = 750$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 43.228$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.5°C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.804 W/kg

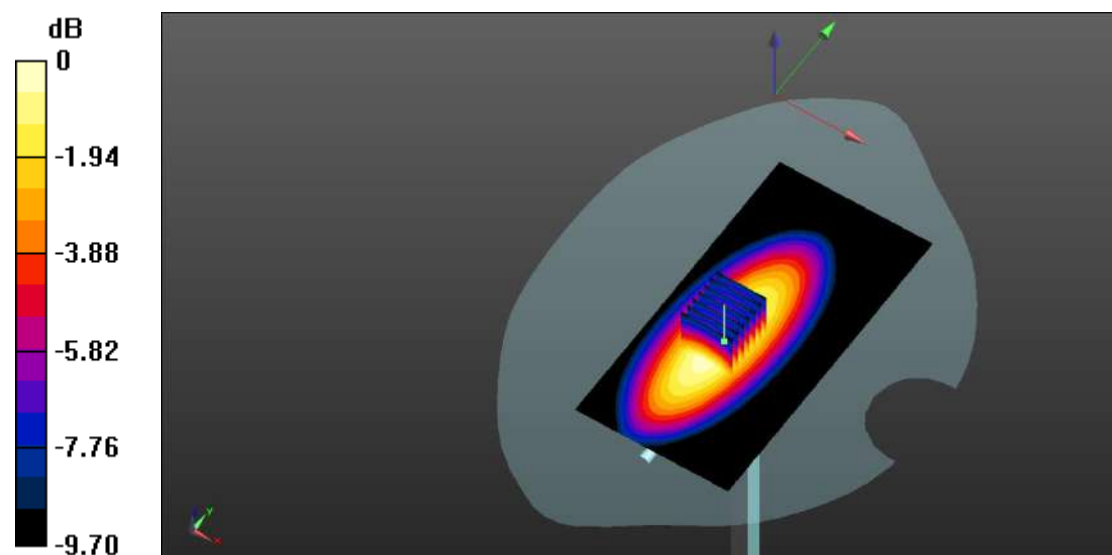
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.15 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.848 W/kg; SAR(10 g) = 0.552 W/kg

Maximum value of SAR (measured) = 0.845 W/kg



0 dB = 0.845 W/kg

System Performance Check Data (835MHz)

Date: 2024.09.01

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.913$ S/m; $\epsilon_r = 42.085$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

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

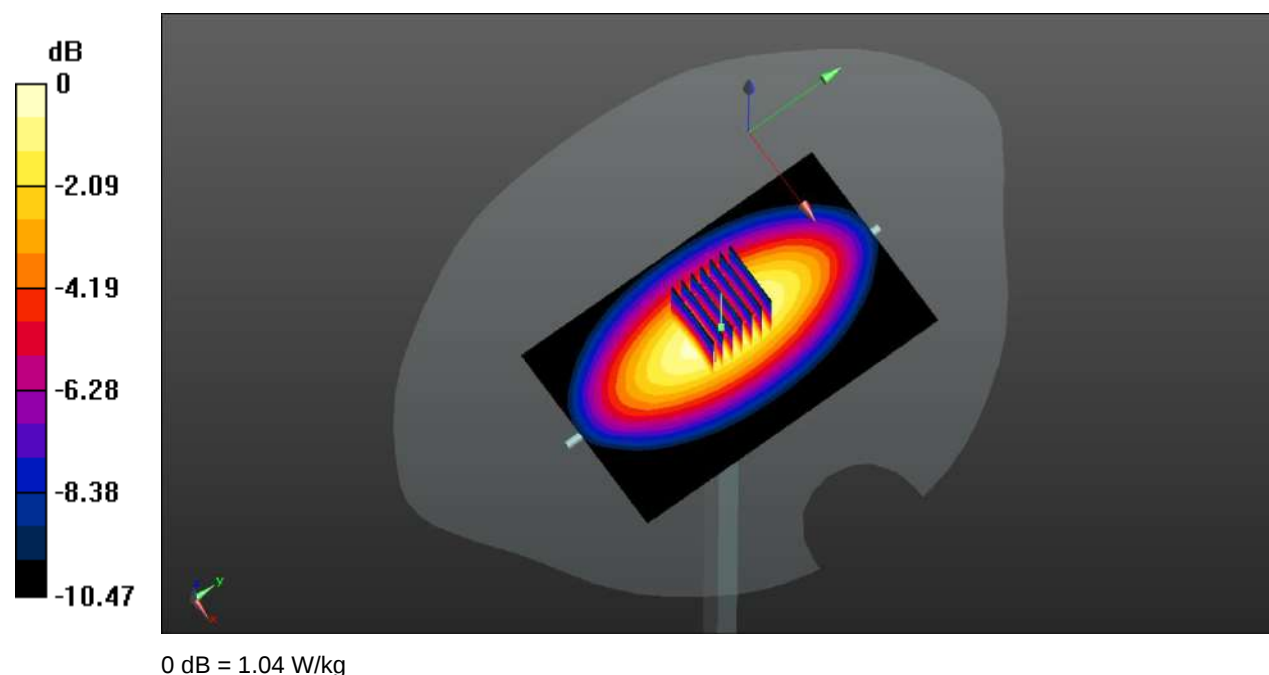
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 33.31 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.988 W/kg; SAR(10 g) = 0.635 W/kg

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



System Performance Check Data (835MHz)

Date: 2024.09.02

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; $\epsilon_r = 41.322$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

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

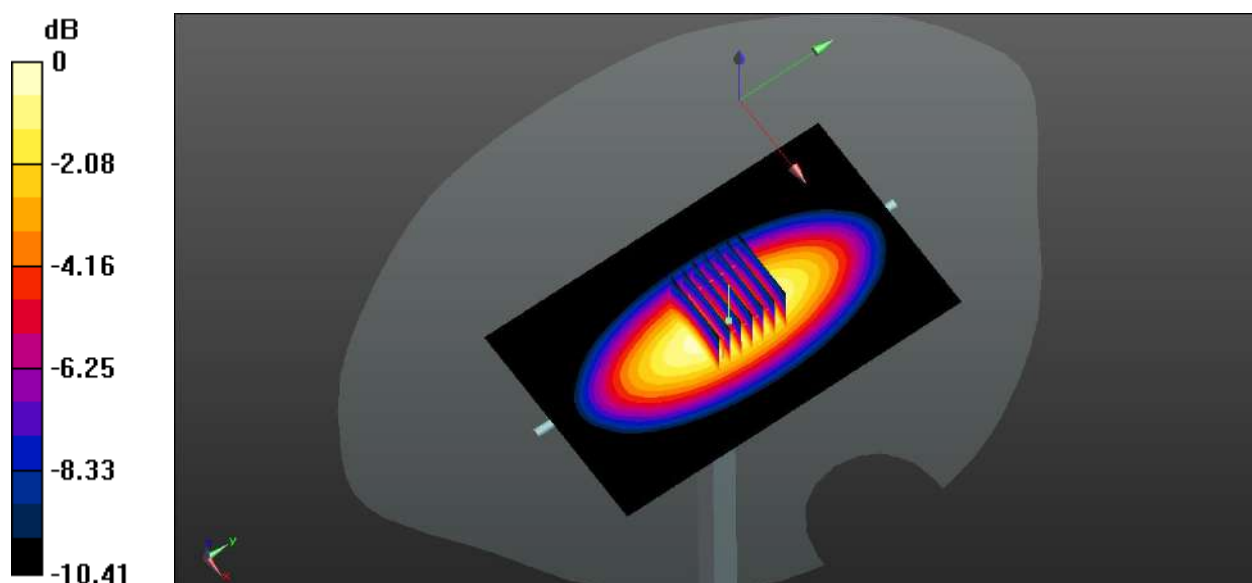
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.65 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.983 W/kg; SAR(10 g) = 0.632 W/kg

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



0 dB = 1.05 W/kg

System Performance Check Data (835MHz)

Date: 2024.09.03

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 41.064$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.2°C

DASY5 Configuration:

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

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

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

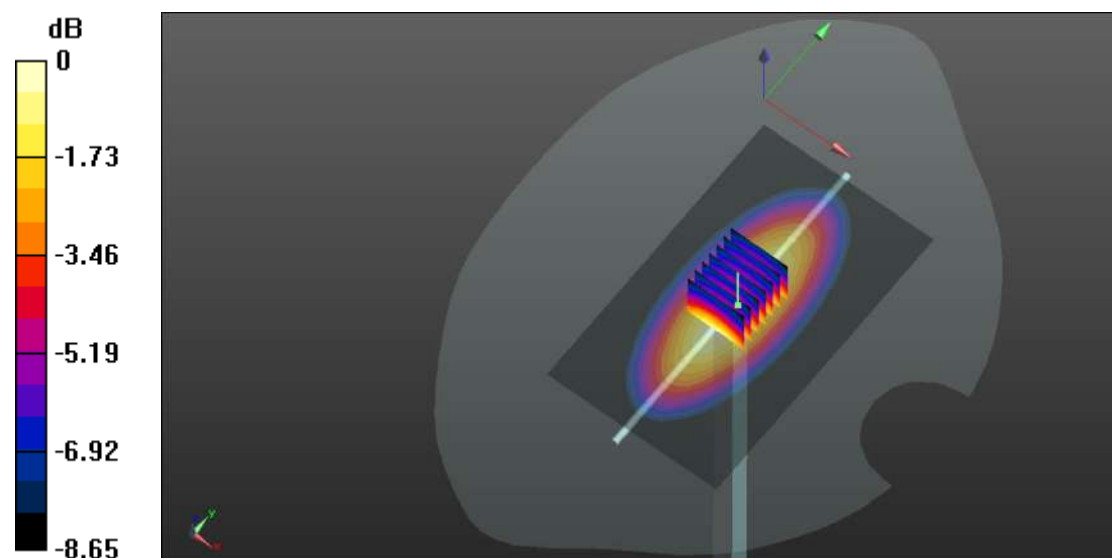
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 32.54 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.978 W/kg; SAR(10 g) = 0.628 W/kg

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



0 dB = 0.977 W/kg

System Performance Check Data (835MHz)

Date: 2024.09.04

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.921 \text{ S/m}$; $\epsilon_r = 41.791$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.1°C

DASY5 Configuration:

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

CW 835-Head-100mW/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

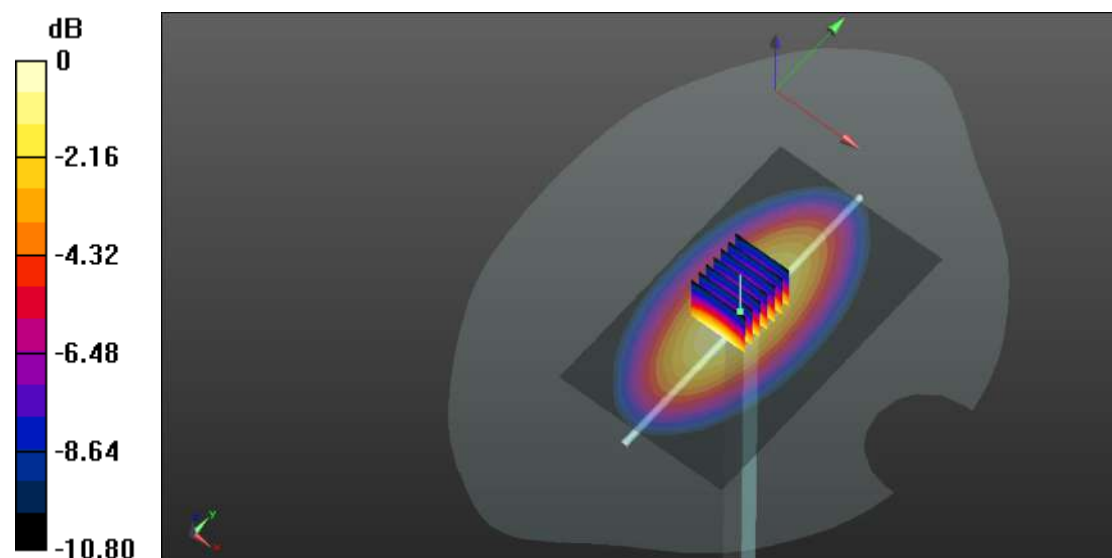
CW 835-Head-100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.66 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.985 W/kg; SAR(10 g) = 0.632 W/kg

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



0 dB = 1.04 W/kg

System Performance Check Data (835MHz)

Date: 2024.09.10

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.868 \text{ S/m}$; $\epsilon_r = 43.101$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

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

CW 835-Head-100mW/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.985 W/kg

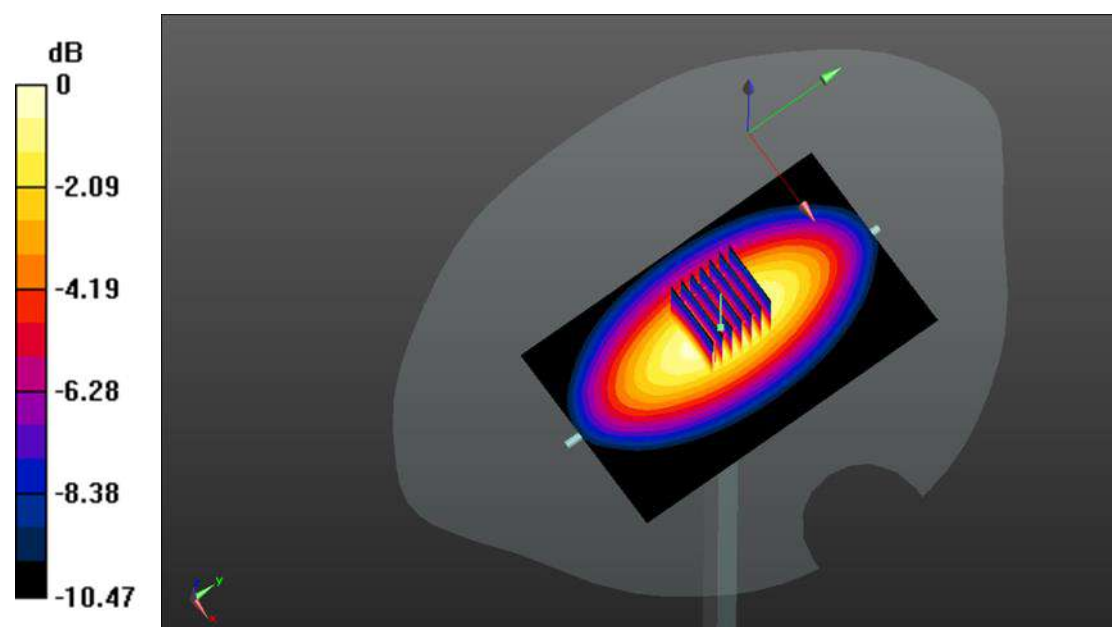
CW 835-Head-100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.71 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.621 W/kg

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



0 dB = 1.01 W/kg

System Performance Check Data (1750MHz)

Date: 2024.09.05

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

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 40.011$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

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

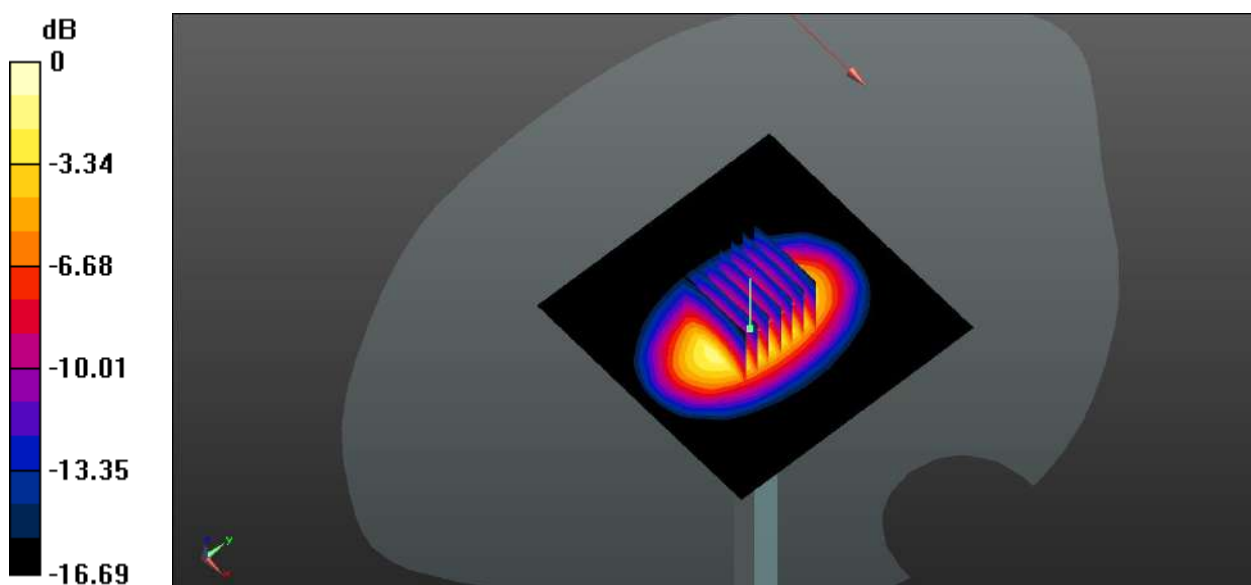
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.65 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 7.05 W/kg

SAR(1 g) = 3.72 W/kg; SAR(10 g) = 1.95 W/kg

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



0 dB = 4.28 W/kg

System Performance Check Data (1750MHz)

Date: 2024.09.06

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.382$ S/m; $\epsilon_r = 39.238$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

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

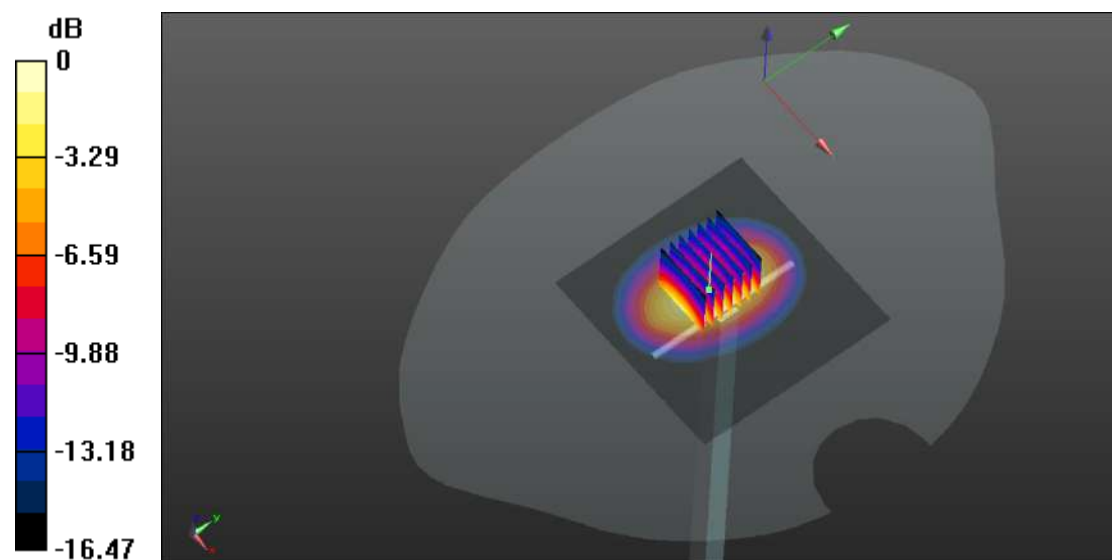
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.94 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 6.81 W/kg

SAR(1 g) = 3.88 W/kg; SAR(10 g) = 1.97 W/kg

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



0 dB = 4.23 W/kg

System Performance Check Data (1750MHz)

Date: 2024.09.07

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.352$ S/m; $\epsilon_r = 39.526$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.3°C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 4.15 W/kg

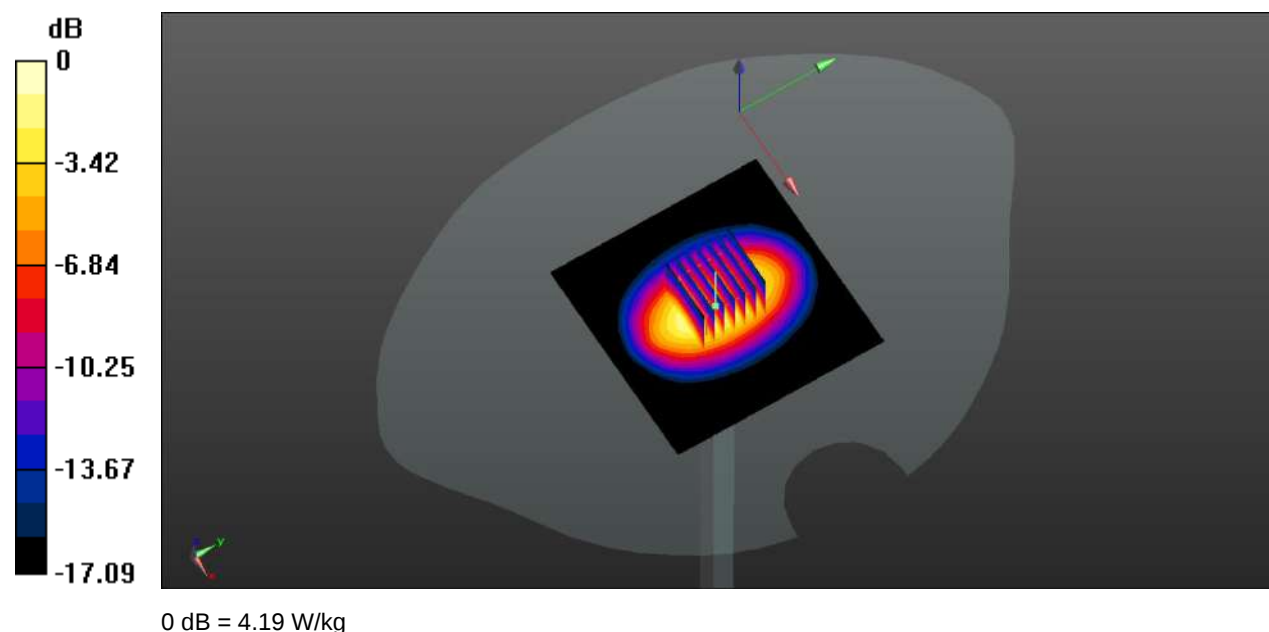
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.13 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 7.01 W/kg

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

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



System Performance Check Data (1950MHz)

Date: 2024.09.08

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

Medium parameters used: $f = 1950$ MHz; $\sigma = 1.44$ S/m; $\epsilon_r = 39.16$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.5°C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 4.53 W/kg

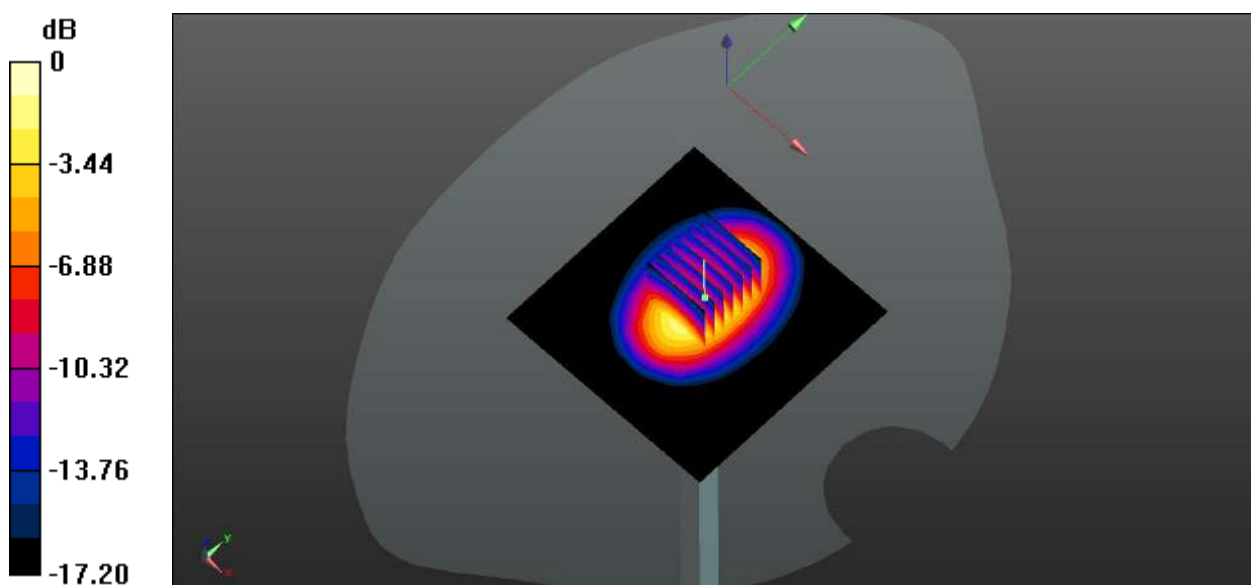
CW 1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.14V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 7.56 W/kg

SAR(1 g) = 4.18 W/kg; SAR(10 g) = 2.15 W/kg

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



System Performance Check Data (1950MHz)

Date: 2024.09.09

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

Medium parameters used: $f = 1950$ MHz; $\sigma = 1.409$ S/m; $\epsilon_r = 39.008$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

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

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

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

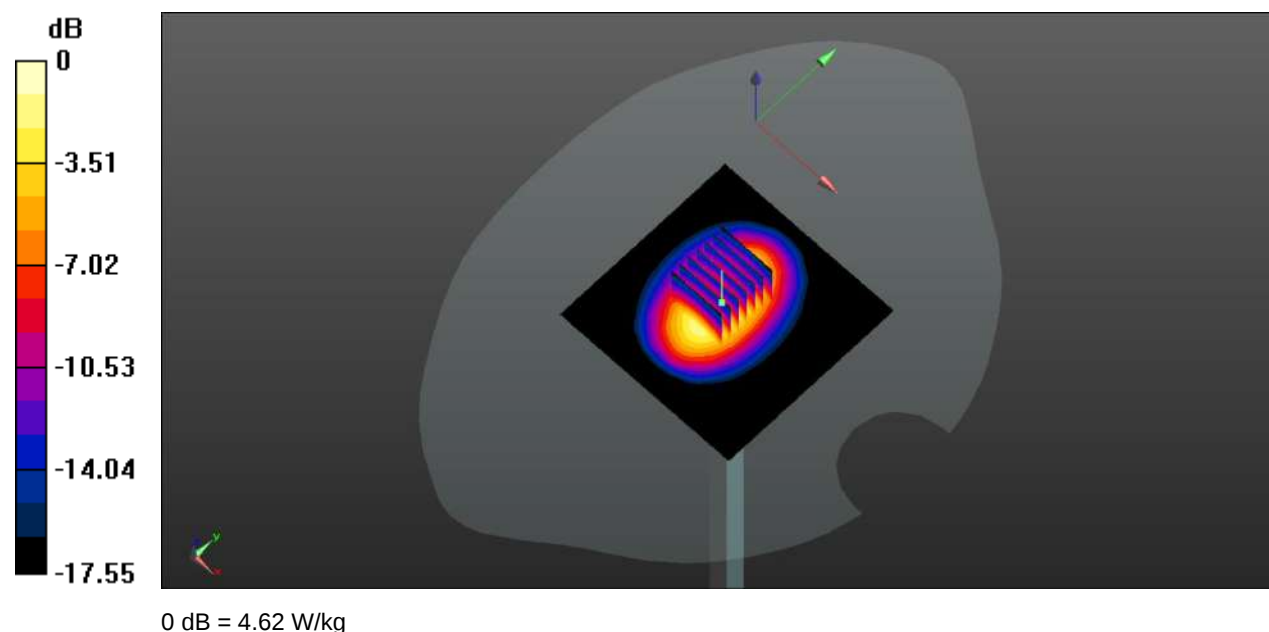
CW 1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.03 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 8.06 W/kg

SAR(1 g) = 4.15 W/kg; SAR(10 g) = 2.19 W/kg

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



System Performance Check Data (2450MHz)

Date: 2024.09.05

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.828$ S/m; $\epsilon_r = 38.841$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 6.15W/kg

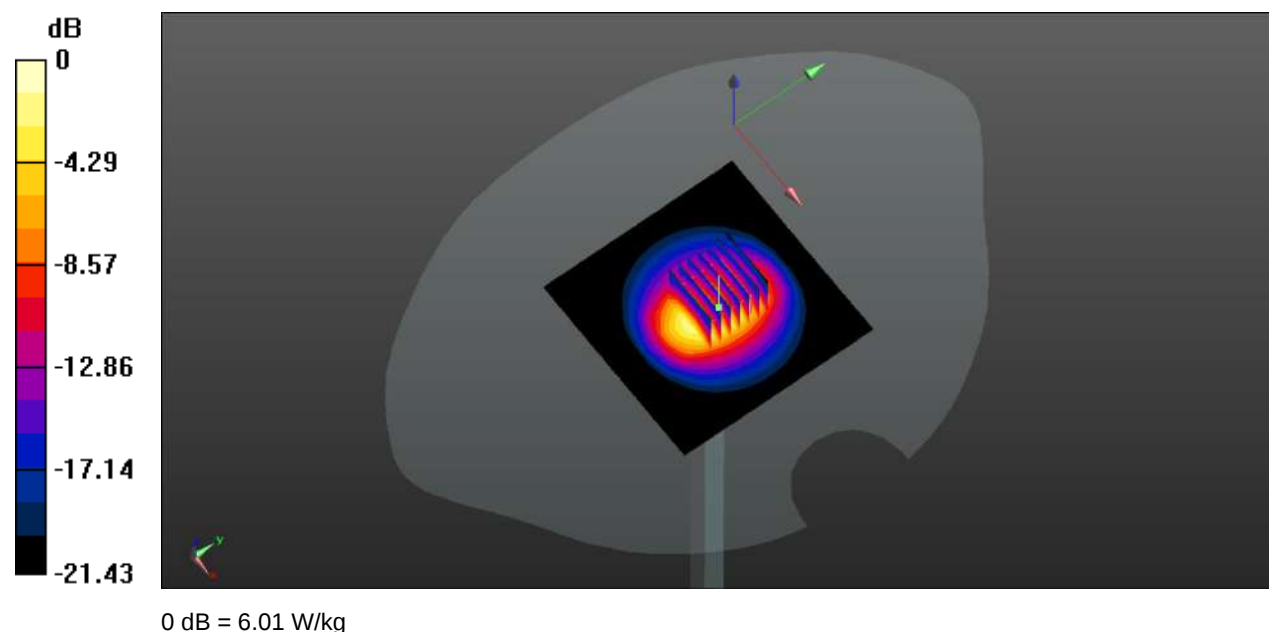
CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.87 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.25 W/kg; SAR(10 g) = 2.43 W/kg

Maximum value of SAR (measured) = 6.01 W/kg



System Performance Check Data (2600MHz)

Date: 2024.09.11

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

Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 2.011$ S/m; $\epsilon_r = 38.297$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

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

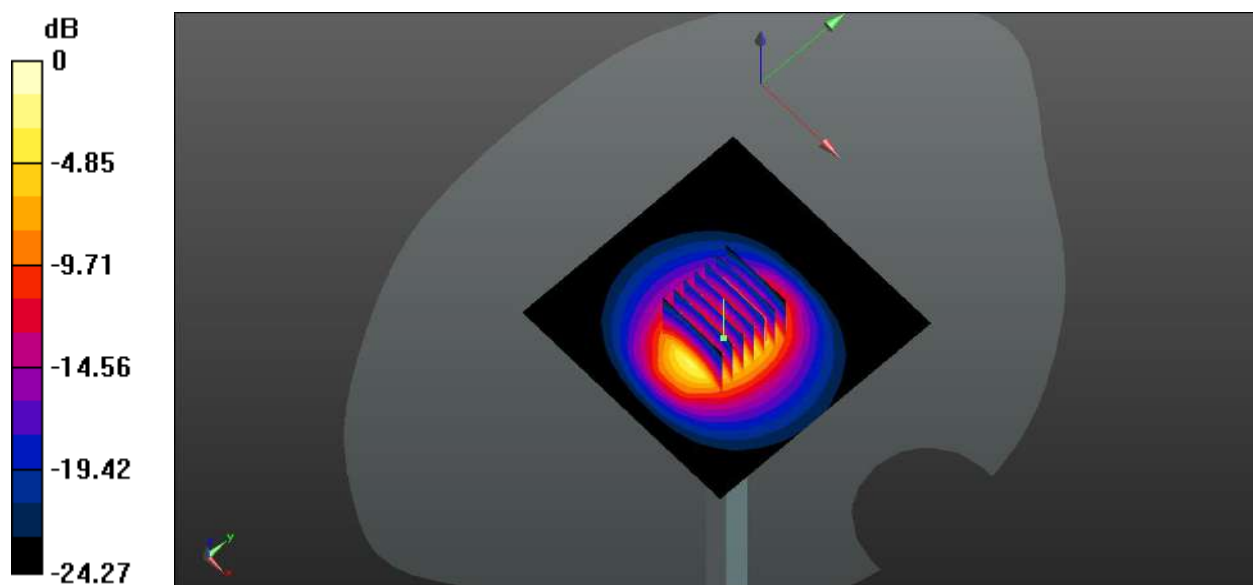
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.67 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 12.47 W/kg

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

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



0 dB = 6.43 W/kg

System Performance Check Data (2600MHz)

Date: 2024.09.12

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.982$ S/m; $\epsilon_r = 39.306$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.7°C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 6.23 W/kg

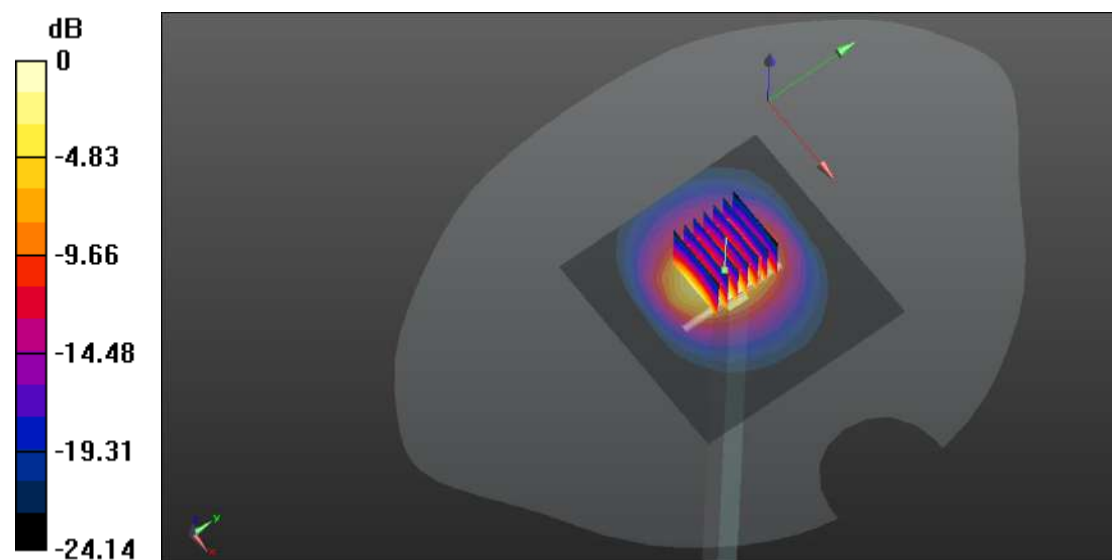
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 40.36 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 12.4 W/kg

SAR(1 g) = 5.54 W/kg; SAR(10 g) = 2.67 W/kg

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



0 dB = 6.39 W/kg

System Performance Check Data (2600MHz)

Date: 2024.09.13

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 2.012$ S/m; $\epsilon_r = 38.093$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.5°C

DASY5 Configuration:

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

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

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

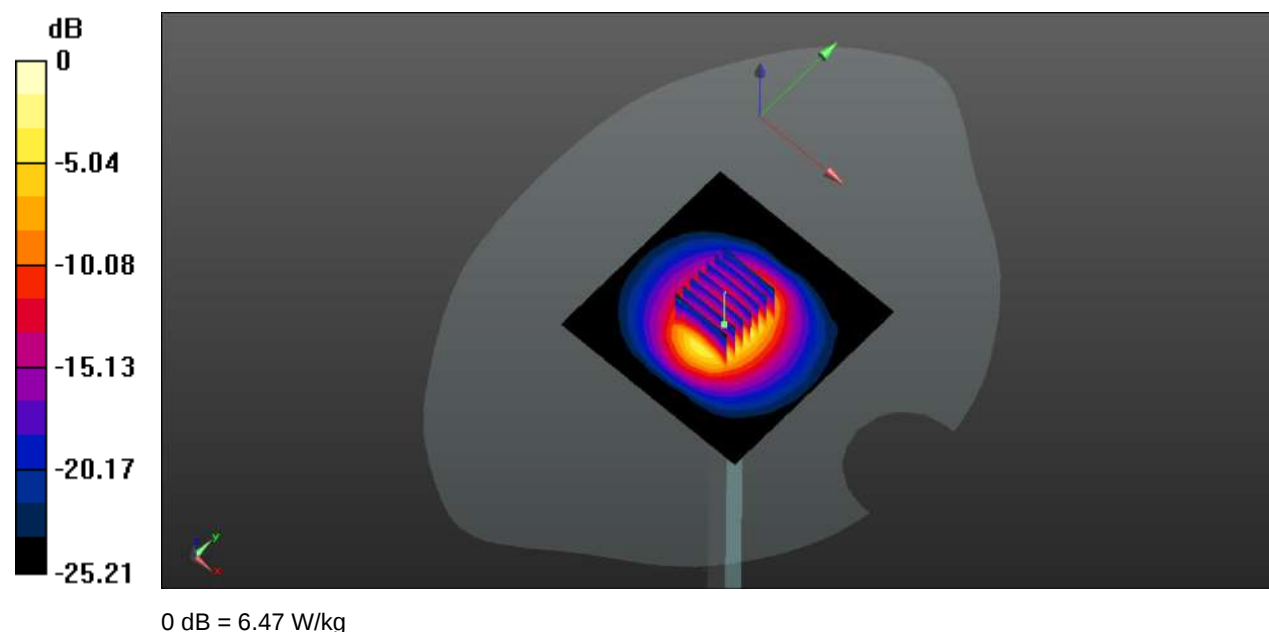
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.57 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.58 W/kg; SAR(10 g) = 2.65 W/kg

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



System Performance Check Data (5250MHz)

Date: 2024.09.14

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

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.822$ S/m; $\epsilon_r = 35.298$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.3°C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 8.47 W/kg

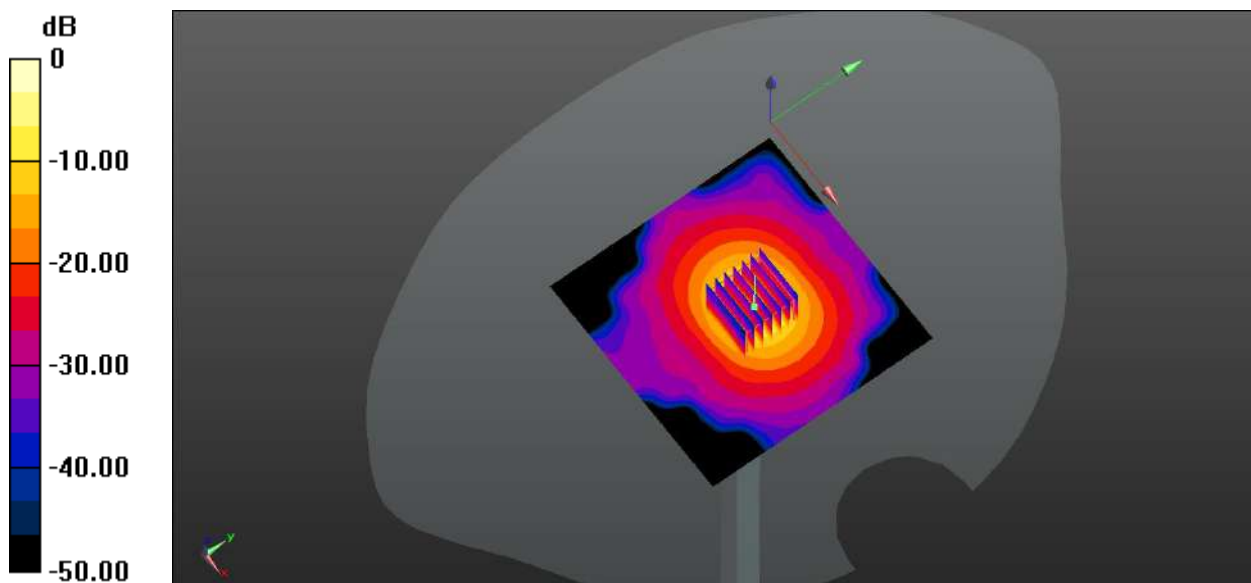
CW 5250/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 37.15 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 33.26 W/kg

SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.18 W/kg

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



0 dB = 19.93 W/kg

System Performance Check Data (5600MHz)

Date: 2024.09.15

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.163$ S/m; $\epsilon_r = 35.175$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 8.48 W/kg

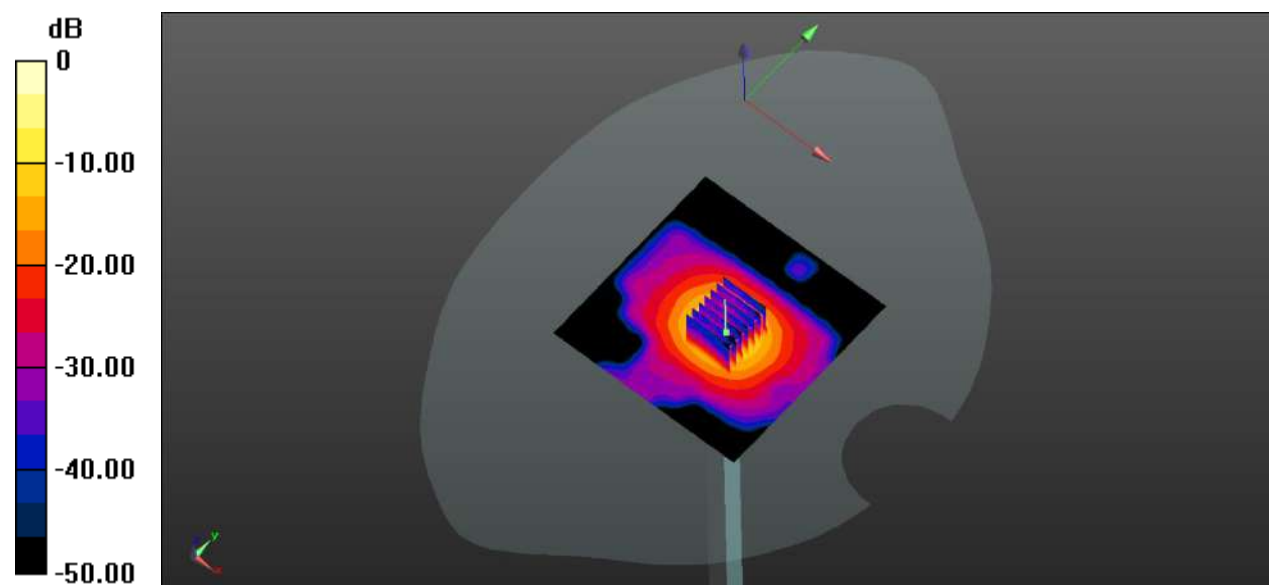
CW 5600/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 34.77 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 38.57 W/kg

SAR(1 g) = 8.19 W/kg; SAR(10 g) = 2.24 W/kg

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



0 dB = 21.61 W/kg

System Performance Check Data (5750MHz)

Date: 2024.09.16

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

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.224$ S/m; $\epsilon_r = 36.233$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 8.97 W/kg

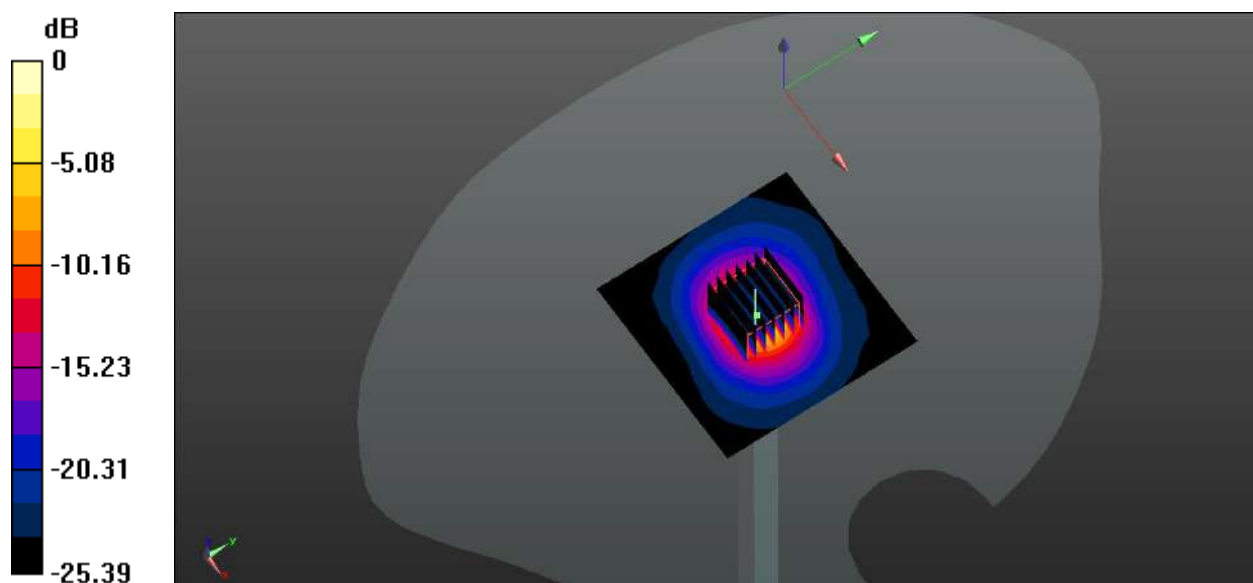
CW 5750/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 40.25 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 36.76 W/kg

SAR(1 g) = 7.74 W/kg; SAR(10 g) = 2.19 W/kg

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



0 dB = 15.47 W/kg

System Performance Check Data (2600MHz)

Date: 2024.09.24

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

Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.976$ S/m; $\epsilon_r = 38.921$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 6.65 W/kg

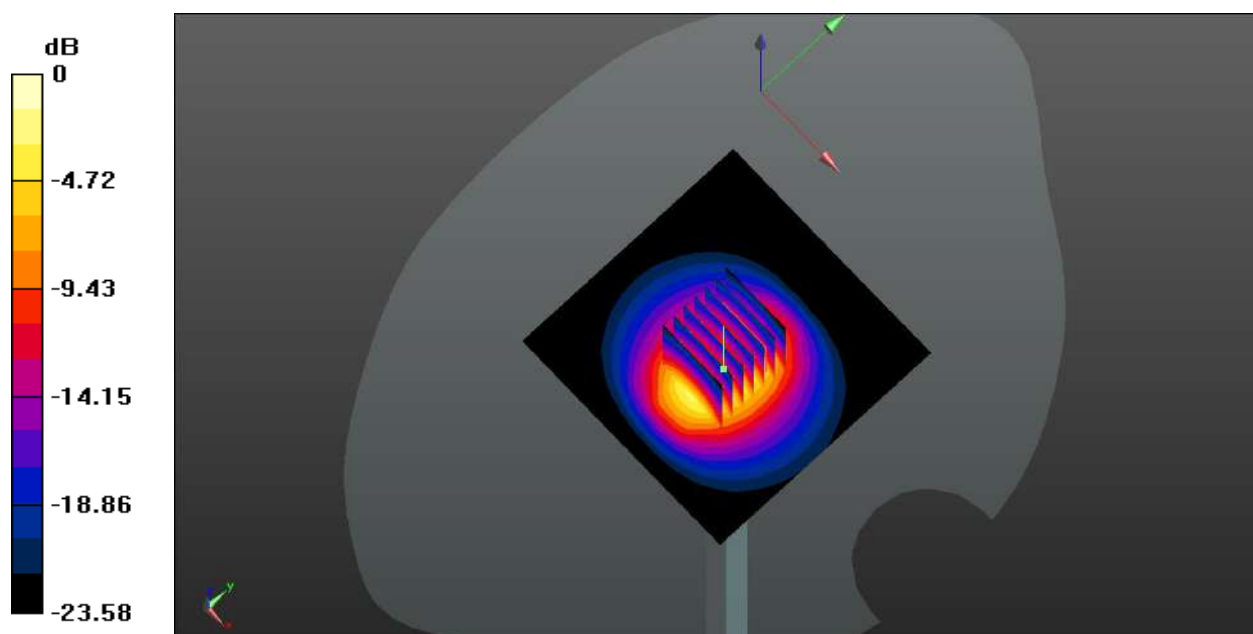
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.67 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 12.3 W/kg

SAR(1 g) = 5.59 W/kg; SAR(10 g) = 2.57 W/kg

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



0 dB = 6.44 W/kg

ANNEX C TEST DATA

Meas.1 Right Head with Cheek on High Channel in GSM 850 2slots mode with Antenna 13

Date: 2024.09.01

Communication System Band: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.944$ S/m; $\epsilon_r = 42.010$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.406 W/kg

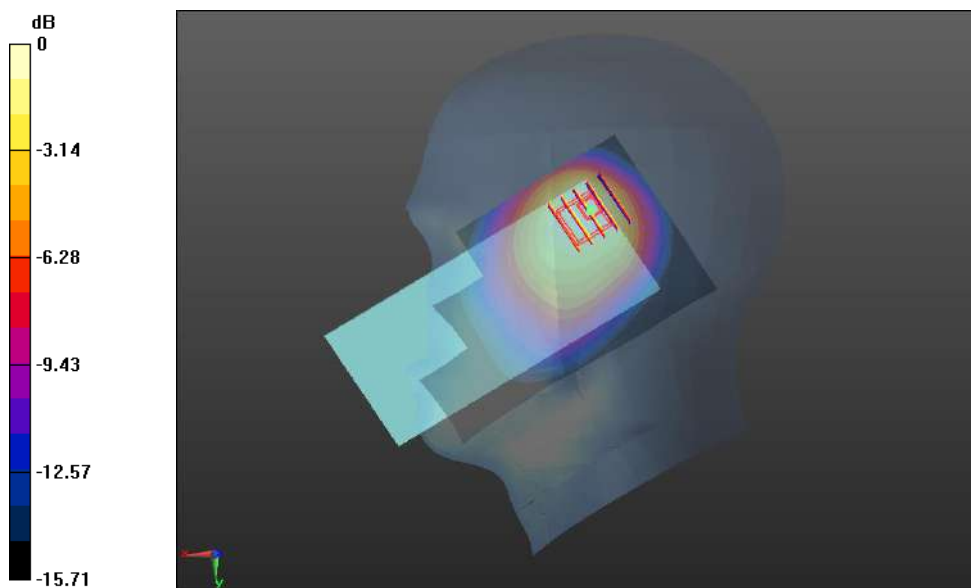
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.43 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.588 W/kg

SAR(1 g) = 0.334 W/kg; SAR(10 g) = 0.215 W/kg

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



0 dB = 0.350 W/kg

Meas.2 Body Plane with Back Side 15mm on Middle Channel in GSM 850 2slots mode with Antenna 13

Date: 2024.09.01

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

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.922$ S/m; $\epsilon_r = 41.322$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

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

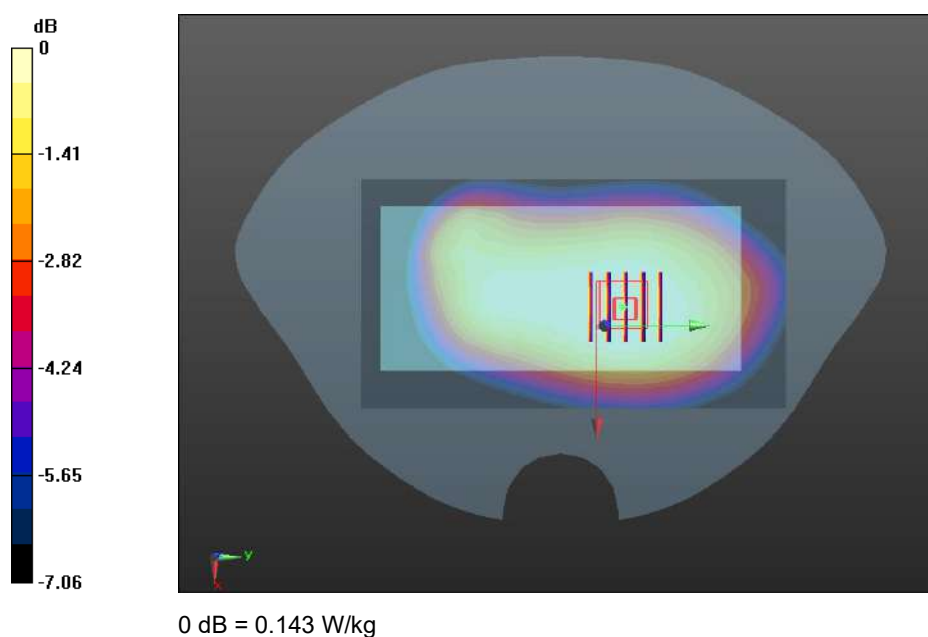
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 12.30 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.176 W/kg

SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.106 W/kg

Maximum value of SAR (measured) = 0.143 W/kg



Meas.3 Body Plane with Back Side 10mm on Middle Channel in GSM 850 2slots mode with Antenna 13

Date: 2024.09.01

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

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.922$ S/m; $\epsilon_r = 41.322$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.320 W/kg

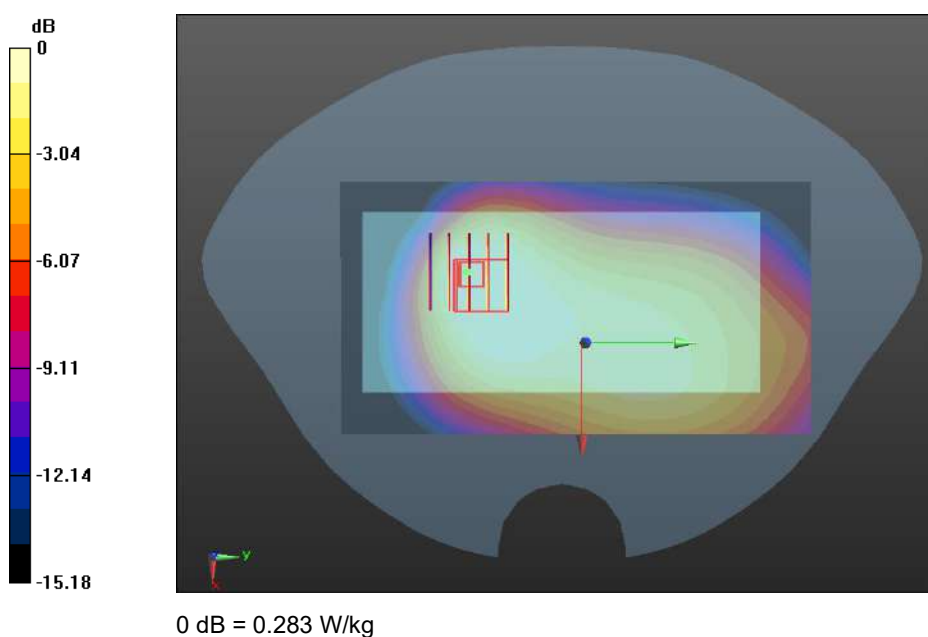
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.15 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.427 W/kg

SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.177 W/kg

Maximum value of SAR (measured) = 0.283 W/kg



Meas.4 Right Head with Tilt on High Channel in GSM 1900 2slots mode with Antenna 13

Date: 2024.09.08

Communication System Band: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.419$ S/m; $\epsilon_r = 39.192$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.5°C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.492 W/kg

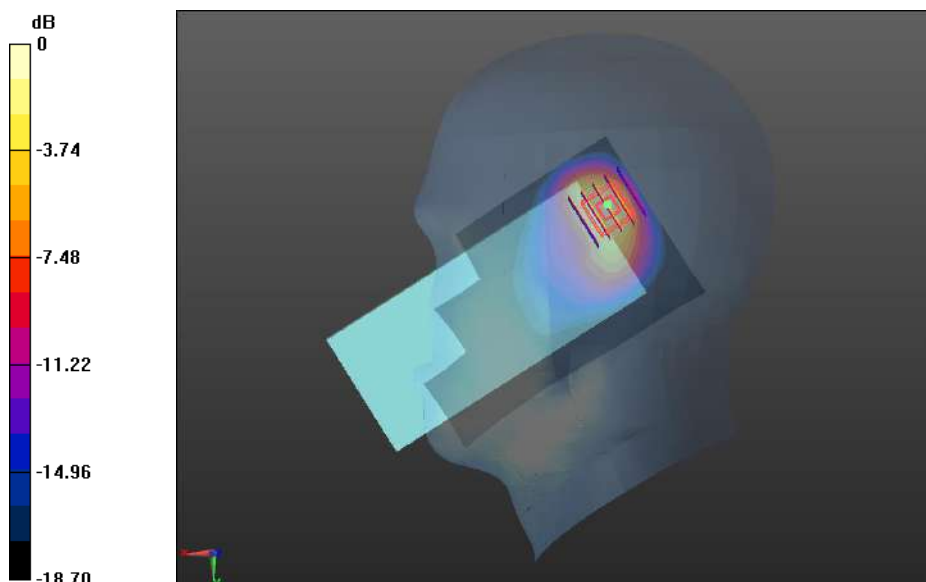
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.29 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.939 W/kg

SAR(1 g) = 0.487 W/kg; SAR(10 g) = 0.227 W/kg

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



0 dB = 0.561 W/kg

Meas.5 Body Plane with Back Side 15mm on Middle Channel in GSM 1900 2slots mode with Antenna 13

Date: 2024.09.08

Communication System Band: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.385$ S/m; $\epsilon_r = 40.516$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.5°C

DASY5 Configuration:

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

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

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

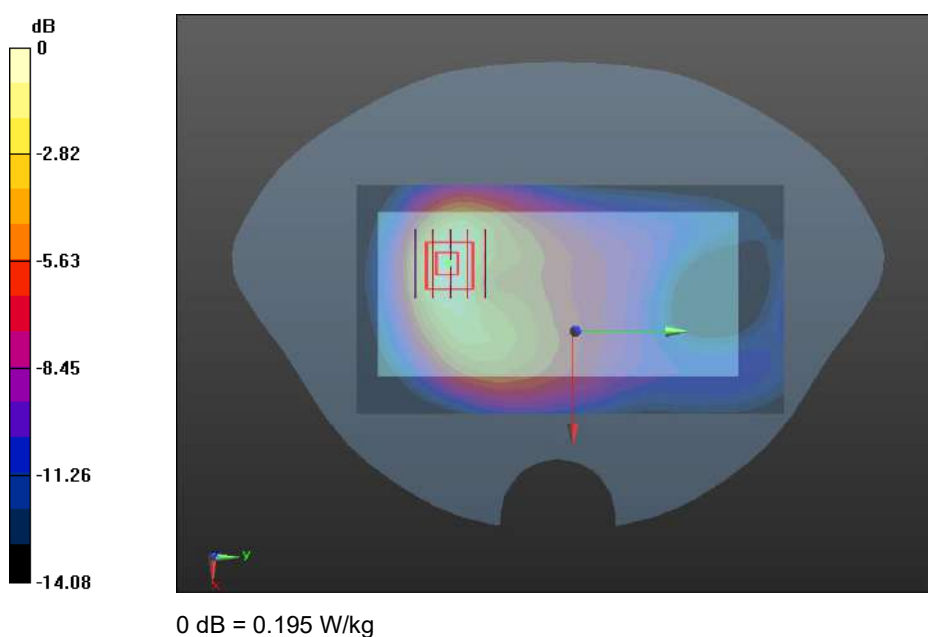
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.198 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.265 W/kg

SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.102 W/kg

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



Meas.6 Body Plane with Top Edge 10mm on Middle Channel in GSM 1900 2slots mode with Antenna 13

Date: 2024.09.08

Communication System Band: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.385$ S/m; $\epsilon_r = 40.516$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.5°C

DASY5 Configuration:

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

CH661/Area Scan (51x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.417 W/kg

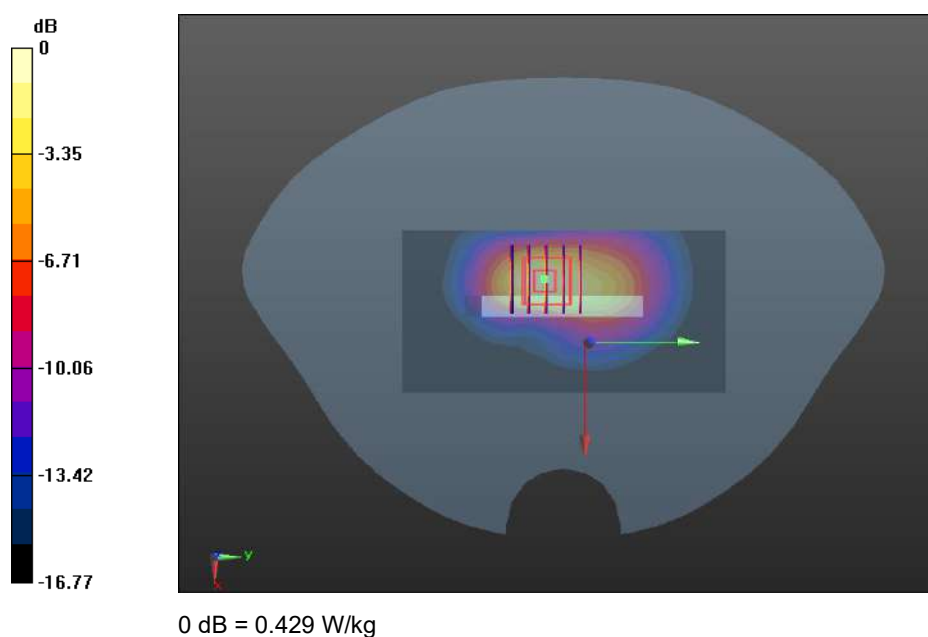
CH661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.745 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.666 W/kg

SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.189 W/kg

Maximum value of SAR (measured) = 0.429 W/kg



Meas.7 Right Head with Tilte on Middle Channel in WCDMA Band2 mode with Antenna 13

Date: 2024.09.08

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.385$ S/m; $\epsilon_r = 40.516$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.7℃ Liquid Temperature:21.5℃

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.607 W/kg

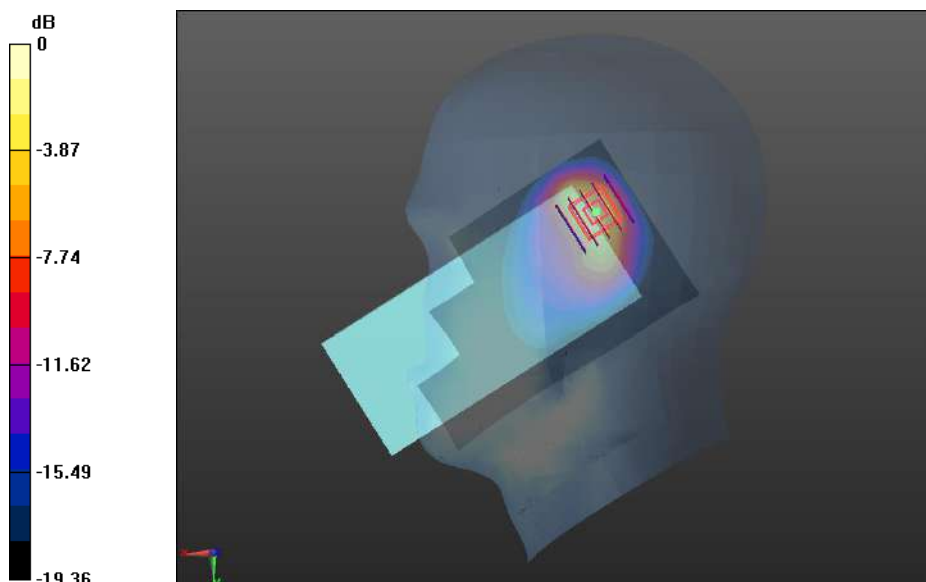
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.91 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.607 W/kg; SAR(10 g) = 0.273 W/kg

Maximum value of SAR (measured) = 0.753 W/kg



0 dB = 0.753 W/kg

Meas.8 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band2 mode with Antenna 13

Date: 2024.09.08

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.385$ S/m; $\epsilon_r = 40.516$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.5°C

DASY5 Configuration:

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

Ch9400/Area Scan (71x141x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.193 W/kg

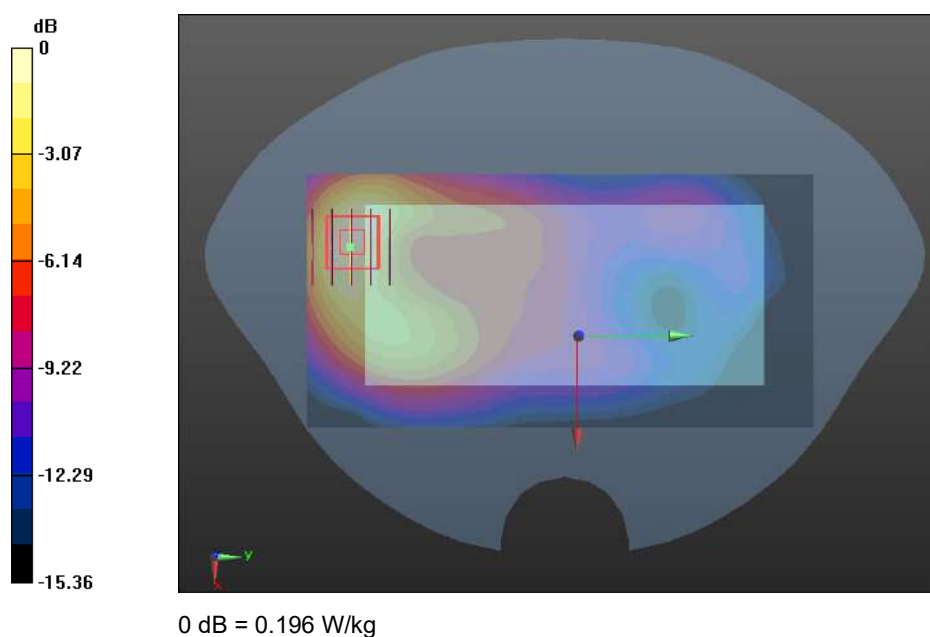
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.972 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.284 W/kg

SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.102 W/kg

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



Meas.9 Body Plane with Bottom Edge 10mm on Middle Channel in WCDMA Band2 mode with Antenna 31

Date: 2024.09.08

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.385$ S/m; $\epsilon_r = 40.516$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.5°C

DASY5 Configuration:

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

CH9400/Area Scan (51x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

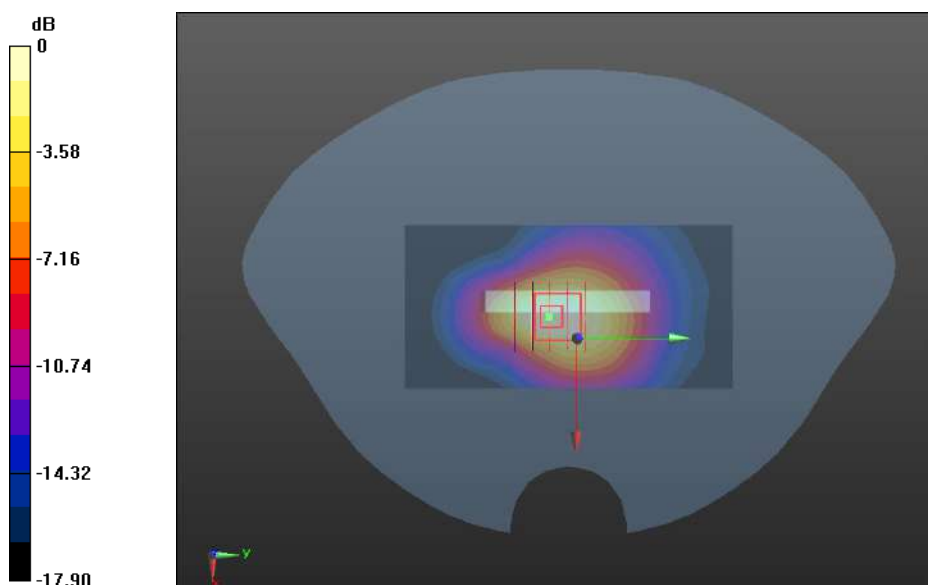
CH9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.67 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.792 W/kg

SAR(1 g) = 0.467 W/kg; SAR(10 g) = 0.267 W/kg

Maximum value of SAR (measured) = 0.521 W/kg



0 dB = 0.521 W/kg

Meas.10 Right Head with Tilted on High Channel in WCDMA Band4 mode with Antenna 13

Date: 2024.09.05

Communication System Band: BAND 5; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.391$ S/m; $\epsilon_r = 39.844$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.349 W/kg

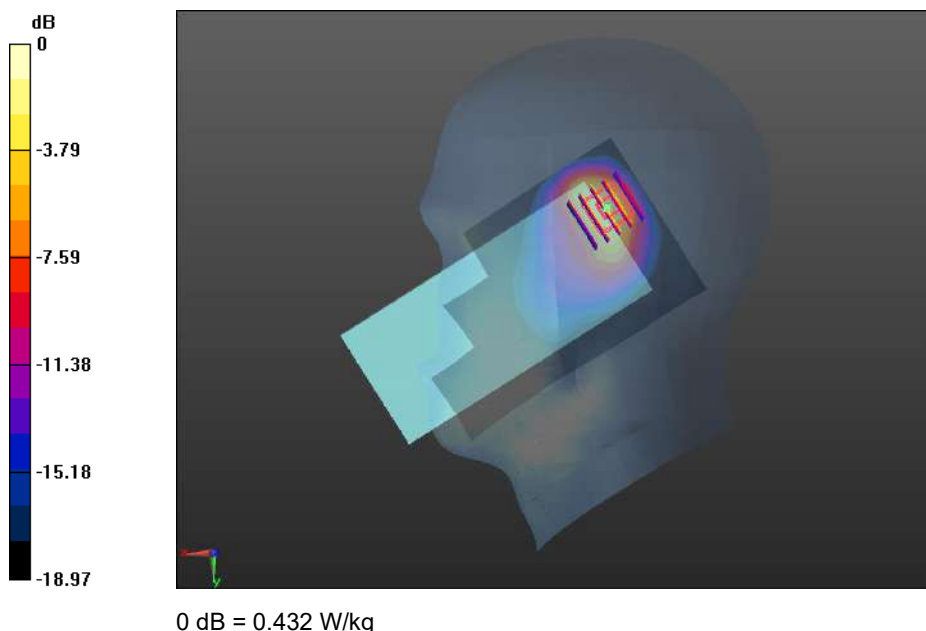
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 13.12 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.681 W/kg

SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.160 W/kg

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



Meas.11 Body Plane with Back Side 15mm on Low Channel in WCDMA Band4 mode with Antenna 13

Date: 2024.09.05

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

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.319$ S/m; $\epsilon_r = 40.907$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.255 W/kg

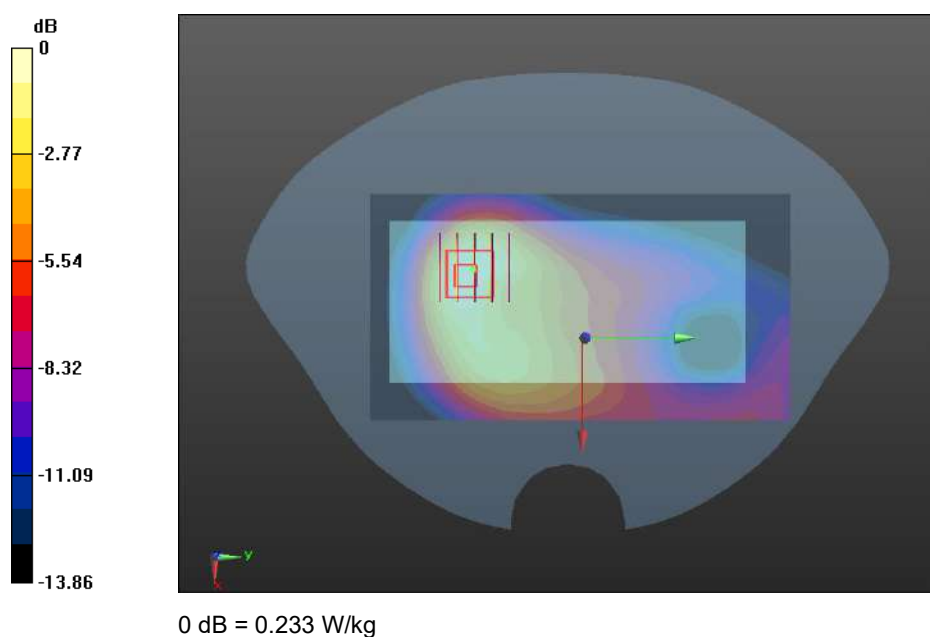
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.684 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.131 W/kg

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



Meas.12 Body Plane with Top Edge 10mm on Low Channel in WCDMA Band4 with Antenna 13

Date: 2024.09.05

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

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.319$ S/m; $\epsilon_r = 40.907$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

CH1312/Area Scan (51x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

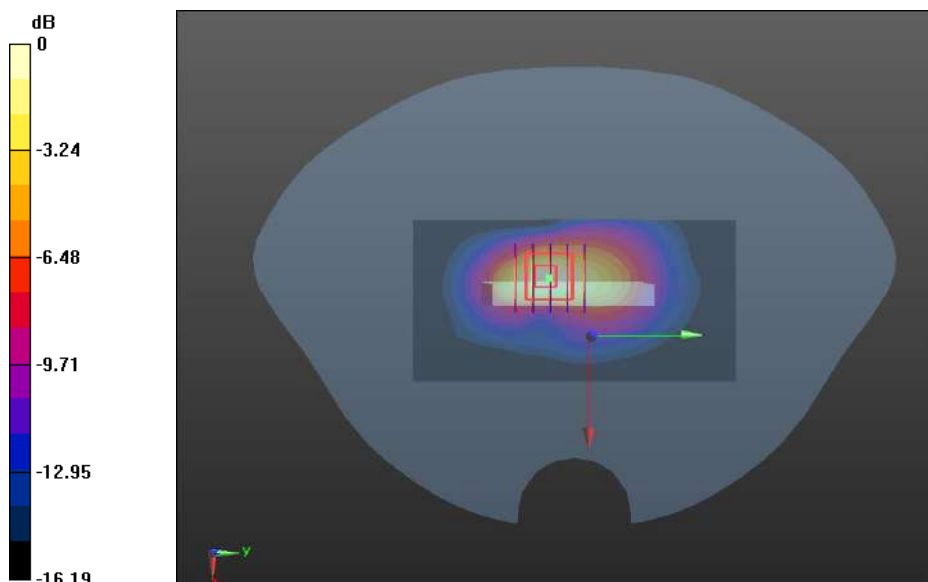
CH1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.630 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.523 W/kg

SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.142 W/kg

Maximum value of SAR (measured) = 0.321 W/kg



0 dB = 0.321 W/kg

Meas.13 Right Head with Tilt on Middle Channel in WCDMA Band5 mode with Antenna 13

Date: 2024.09.01

Communication System Band: BAND 5; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 41.376$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3 Liquid Temperature: 21.4

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.616 W/kg

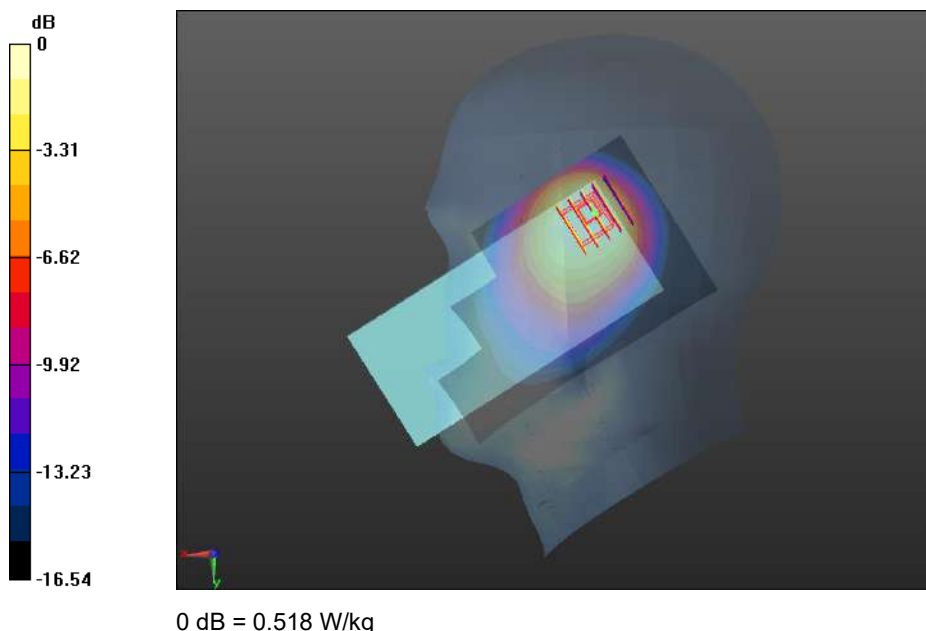
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 16.08 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.842 W/kg

SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.316 W/kg

Maximum value of SAR (measured) = 0.518 W/kg



Meas.14 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band5 mode with Antenna 13

Date: 2024.09.01

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 41.376$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.4

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.235 W/kg

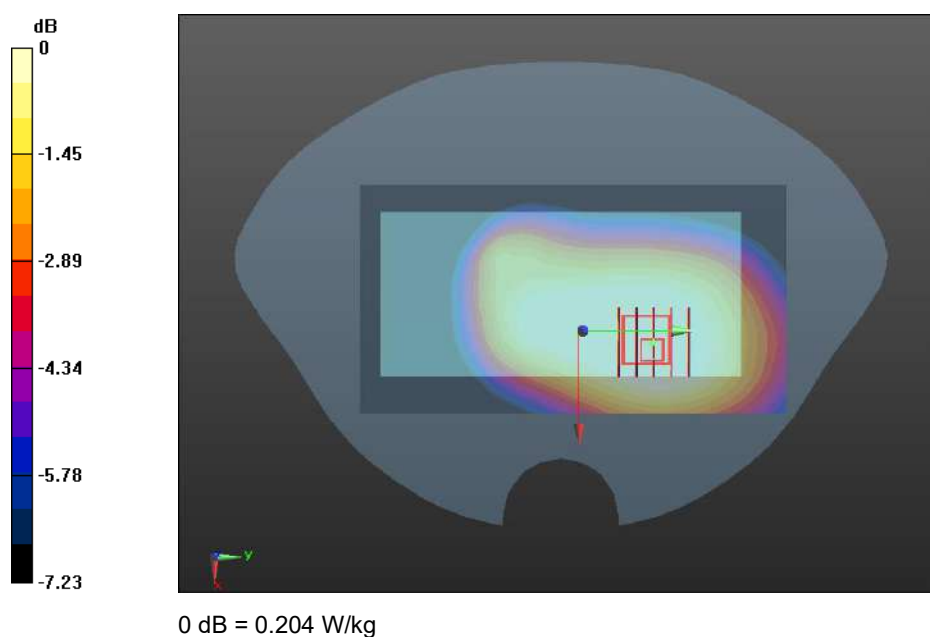
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.24 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.247 W/kg

SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.153 W/kg

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



Meas.15 Body Plane with Back Side 10mm on Middle Channel in WCDMA Band5 mode with Antenna 13

Date: 2024.09.01

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 41.376$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.4

DASY5 Configuration:

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

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

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

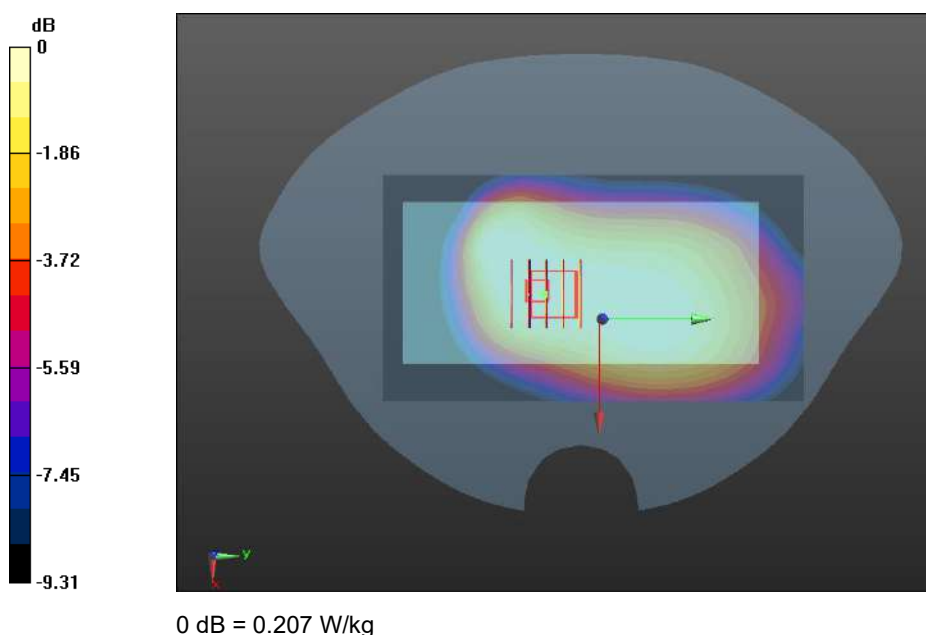
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.68 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.259 W/kg

SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.148 W/kg

Maximum value of SAR (measured) = 0.207 W/kg



Meas.16 Right Head with Tilt on Middle Channel in LTE Band2 mode with Antenna 13

Date: 2024.09.09

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.354$ S/m; $\epsilon_r = 39.252$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.439 W/kg

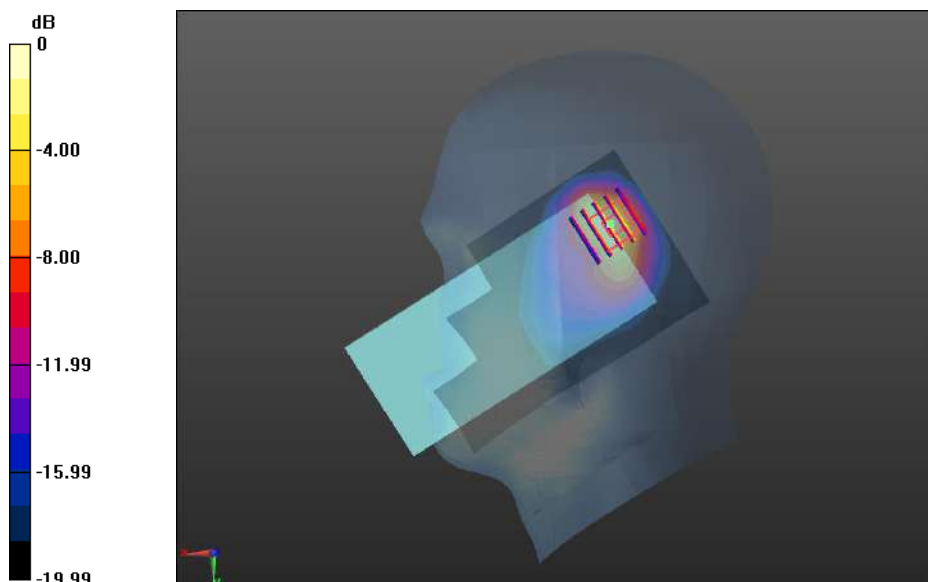
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 11.72 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.849 W/kg

SAR(1 g) = 0.418 W/kg; SAR(10 g) = 0.186 W/kg

Maximum value of SAR (measured) = 0.494 W/kg



0 dB = 0.494 W/kg

Meas.17 Body Plane with Back Side 15mm on High Channel in LTE Band2 mode with Antenna 31

Date: 2024.09.09

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 39.036$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.2°C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.179 W/kg

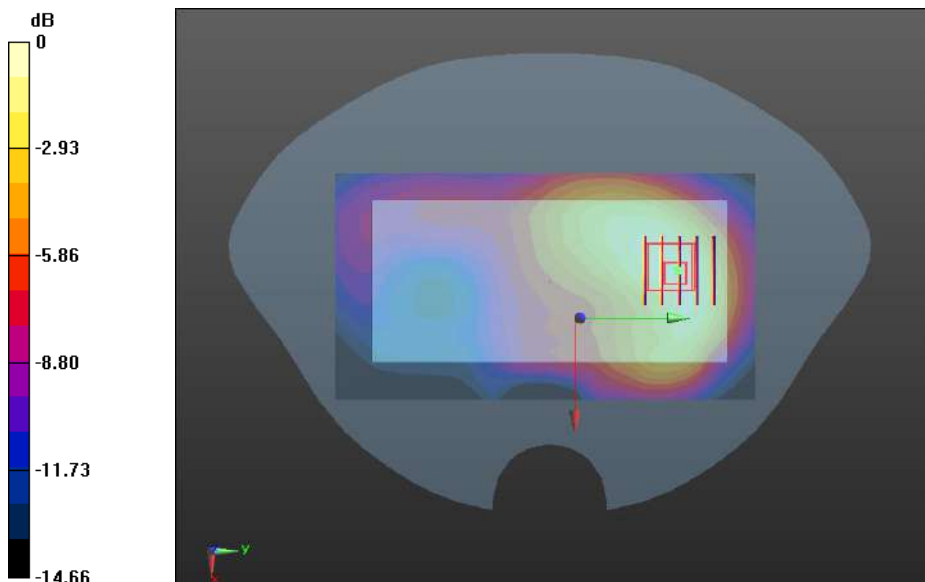
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.702 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.254 W/kg

SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.104 W/kg

Maximum value of SAR (measured) = 0.179 W/kg



0 dB = 0.179 W/kg

Meas.18 Body Plane with Bottom Edge 10mm on High Channel in LTE Band2 mode with Antenna 31

Date: 2024.09.09

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 39.036$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 °C Liquid Temperature: 21.2 °C

DASY5 Configuration:

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

CH19100 2/Area Scan (51x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.392 W/kg

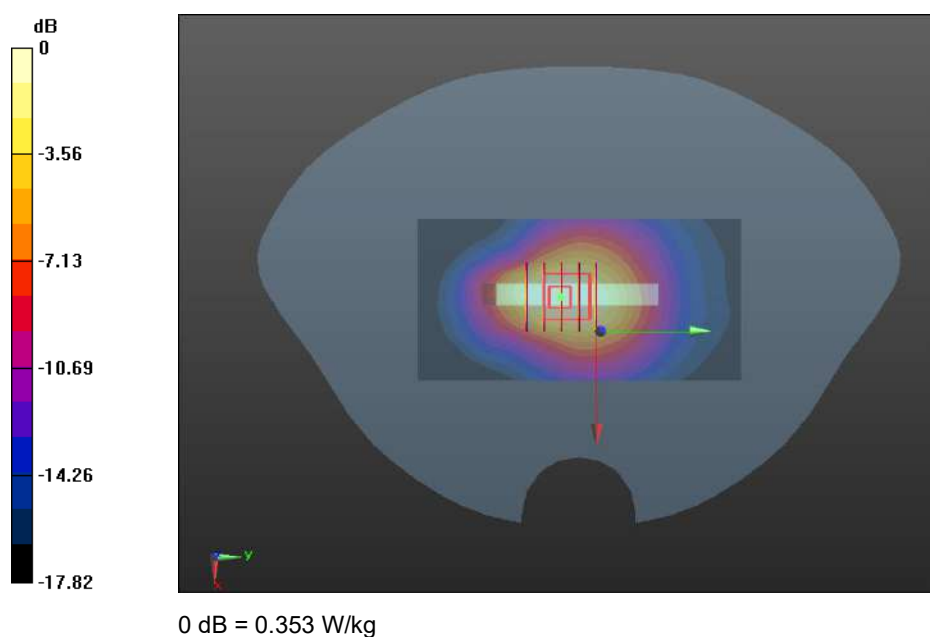
CH19100 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.35 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.515 W/kg

SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.183 W/kg

Maximum value of SAR (measured) = 0.353 W/kg



Meas.19 Right Head with Tilt on Middle Channel in LTE Band4 mode with Antenna 13

Date: 2024.09.06

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.388$ S/m; $\epsilon_r = 39.189$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.651 W/kg

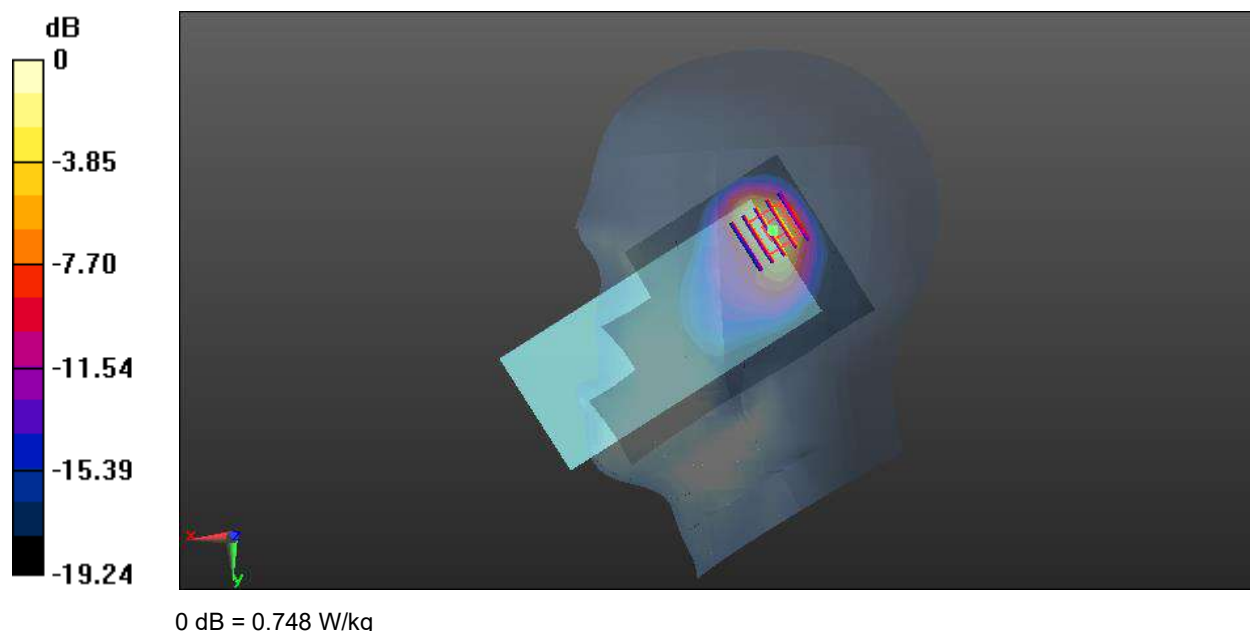
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.73 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.274 W/kg

Maximum value of SAR (measured) = 0.748 W/kg



Meas.20 Body Plane with Back Side 15mm on Middle Channel in LTE Band4 mode with Antenna 31

Date: 2024.09.06

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.388$ S/m; $\epsilon_r = 39.189$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

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

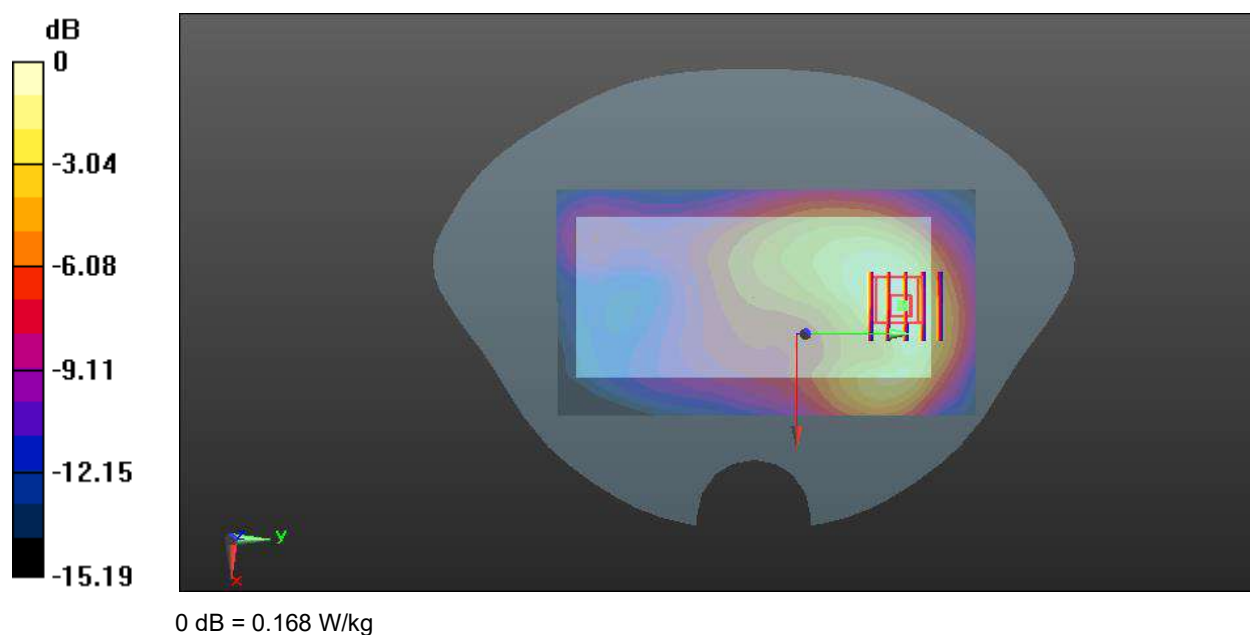
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.639 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.232 W/kg

SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.123 W/kg

Maximum value of SAR (measured) = 0.168 W/kg



Meas.21Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band4 mode with Antenna 31

Date: 2024.09.06

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.388$ S/m; $\epsilon_r = 39.189$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

CH20175/Area Scan (51x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.450 W/kg

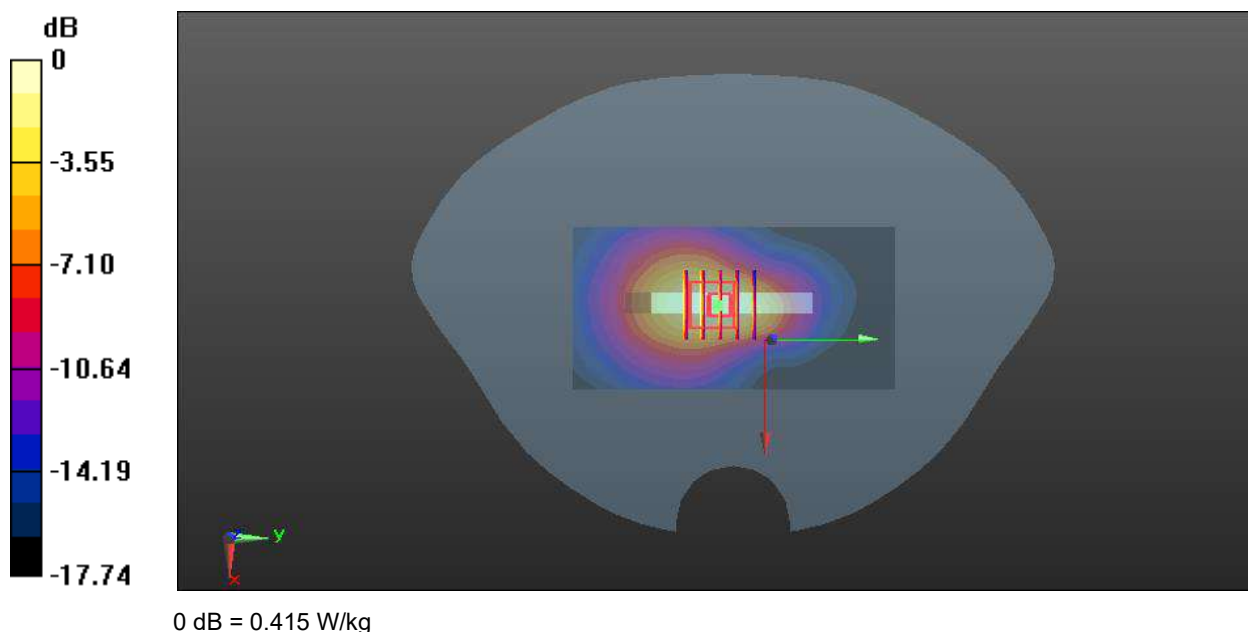
CH20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.72 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.615 W/kg

SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 0.415 W/kg



Meas.22 Right Head with Cheek on Low Channel in LTE Band5 mode with Antenna 13

Date: 2024.09.10

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

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.868$ S/m; $\epsilon_r = 43.101$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.814 W/kg

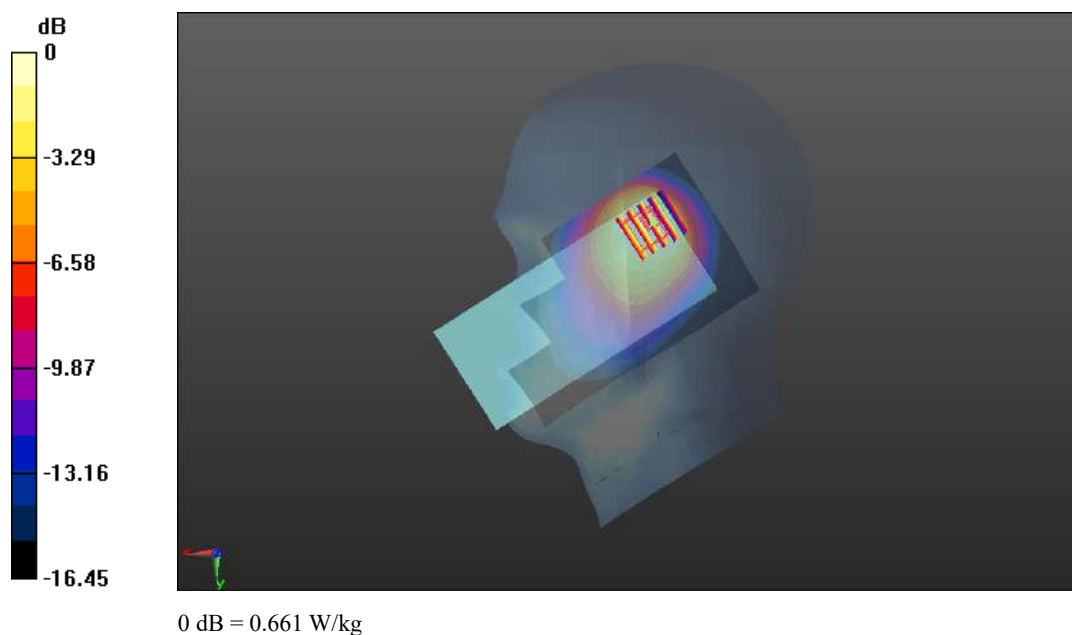
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.16 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.531 W/kg; SAR(10 g) = 0.296 W/kg

Maximum value of SAR (measured) = 0.661 W/kg



Meas.23 Body Plane with Back Side 15mm on High Channel in LTE Band5 mode with Antenna 13

Date: 2024.09.10

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

Medium parameters used (interpolated): $f = 844$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 40.625$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.180 W/kg

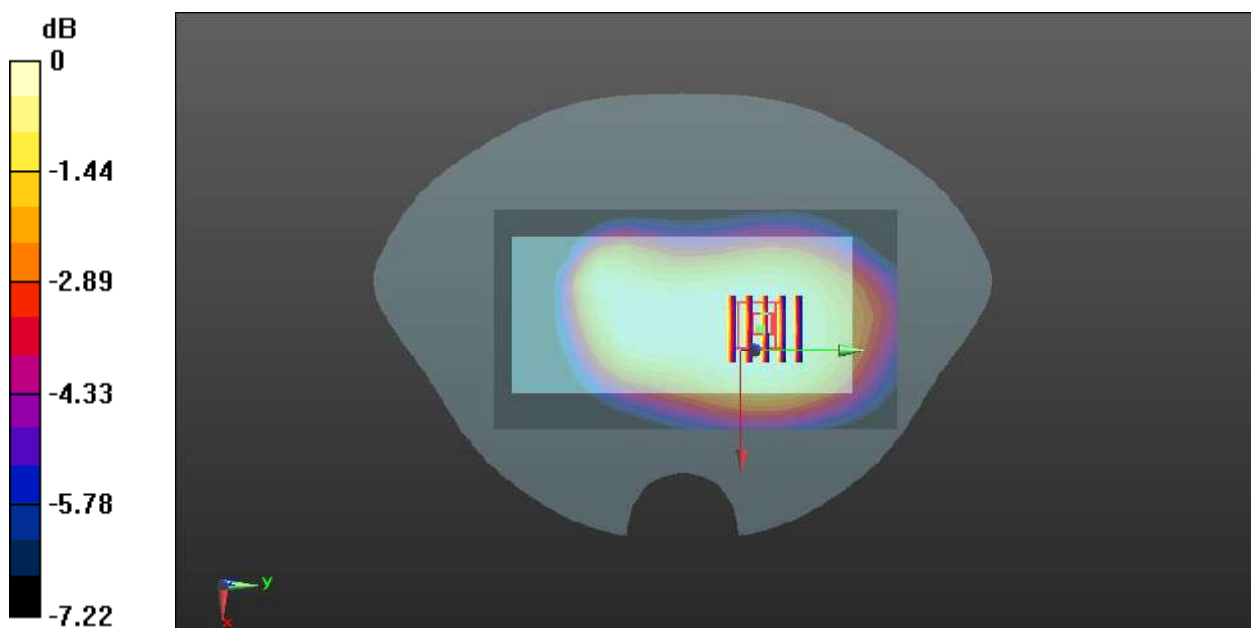
Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.29 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.207 W/kg

SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.126 W/kg

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



0 dB = 0.169 W/kg

Meas.24 Body Plane with Top Edge 10mm on High Channel in LTE Band5 with Antenna 13

Date: 2024.09.10

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

Medium parameters used (interpolated): $f = 844$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 40.625$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

CH20600/Area Scan (61x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.257 W/kg

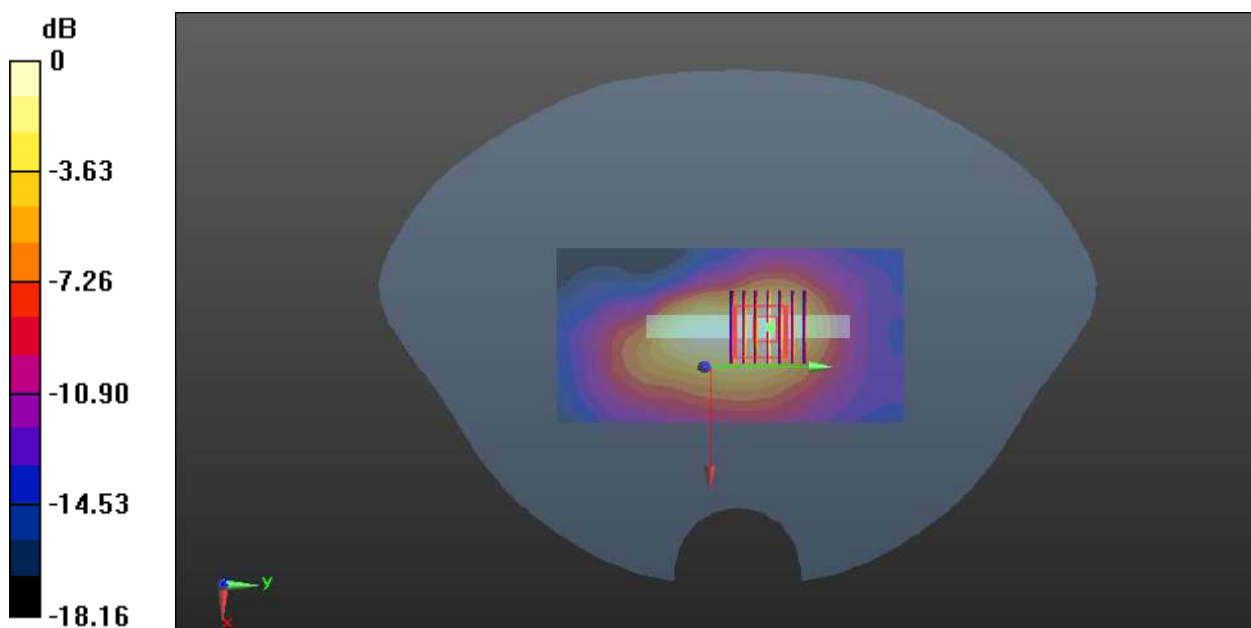
CH20600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.57 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0820 W/kg

SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.140 W/kg

Maximum value of SAR (measured) = 0.246 W/kg



0 dB = 0.246 W/kg

Meas.25 Right Head with Tilt on High Channel in LTE Band7 mode with Antenna 13

Date: 2024.09.11

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

Medium parameters used (interpolated): $f = 2560$ MHz; $\sigma = 1.948$ S/m; $\epsilon_r = 38.767$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

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

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

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

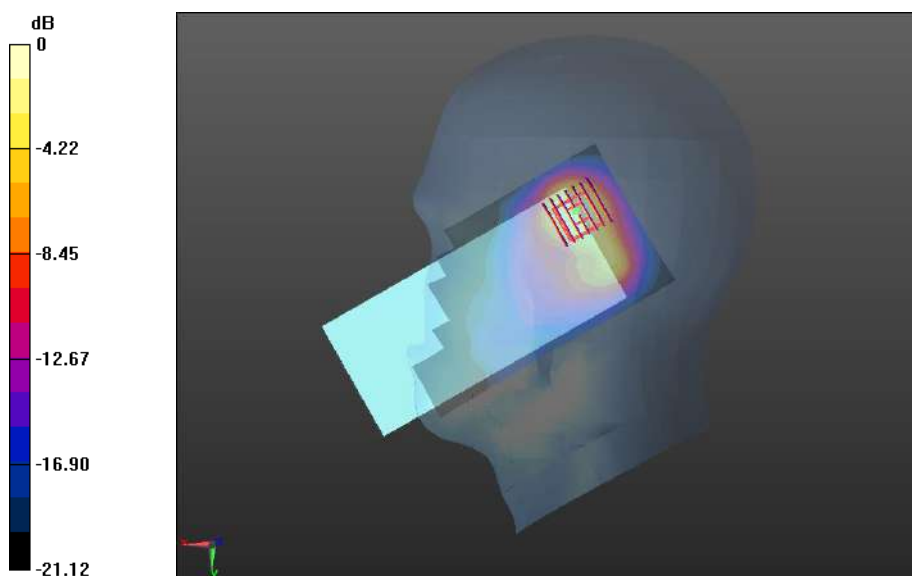
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.886 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.943 W/kg

SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.213 W/kg

Maximum value of SAR (measured) = 0.492 W/kg



0 dB = 0.492 W/kg

Meas.26 Body Plane with Back Side 15mm on Middle Channel in LTE Band7 mode with Antenna 13

Date: 2024.09.11

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.909$ S/m; $\epsilon_r = 40.141$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch21100/Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

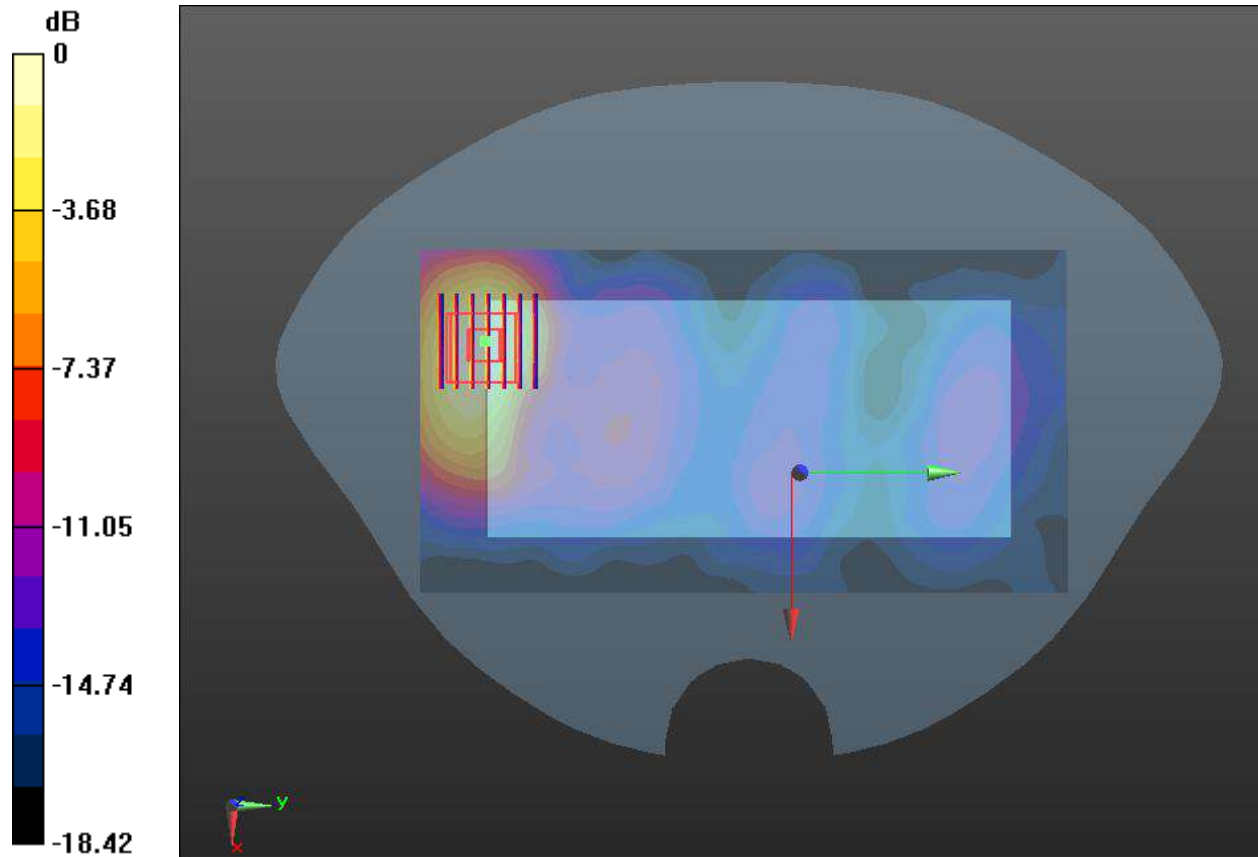
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.4100 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.209 W/kg

SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.059 W/kg

Maximum value of SAR (measured) = 0.125 W/kg



Meas.27 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band7 mode with Antenna 31

Date: 2024.09.11

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.909$ S/m; $\epsilon_r = 40.141$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

CH21100/Area Scan (61x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

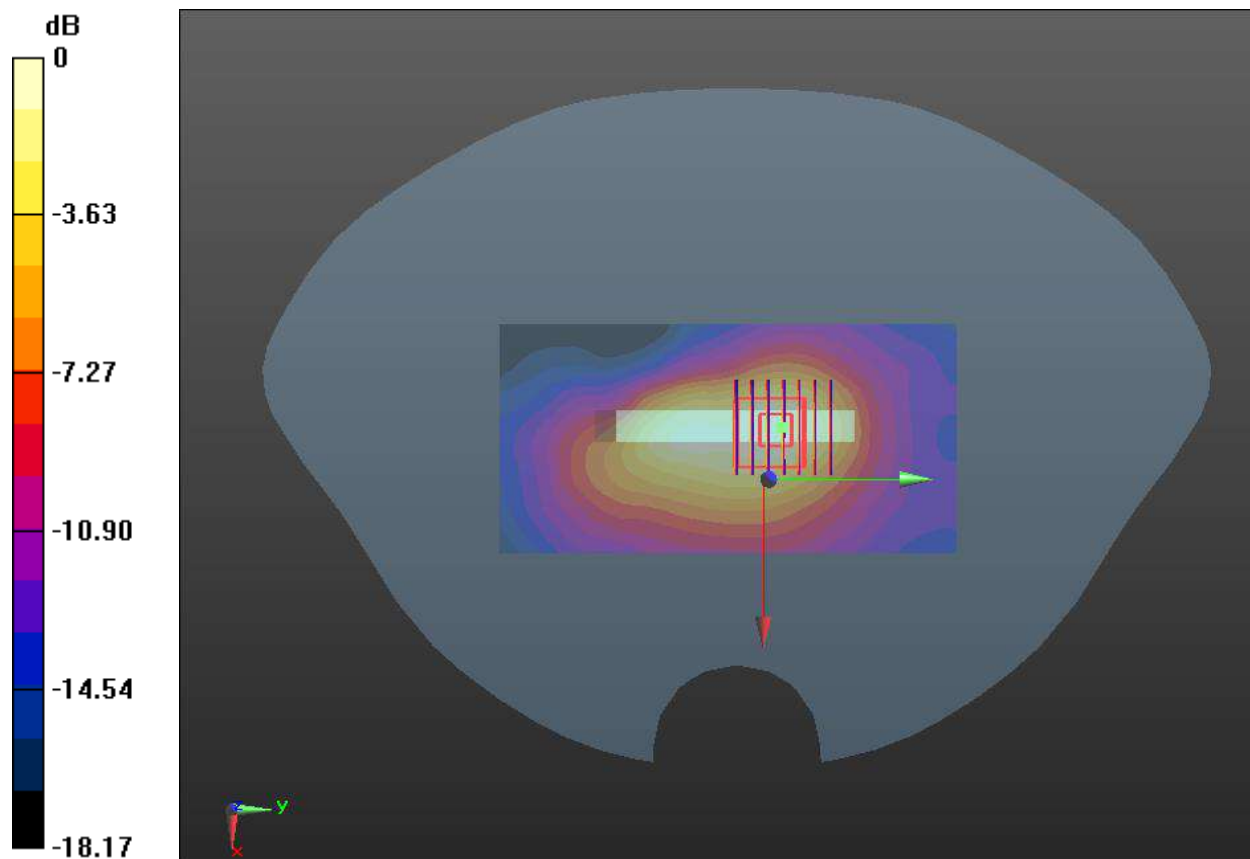
CH21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.694 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.228 W/kg

SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.066 W/kg

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



Meas.28 Right Head with Tilt on Middle Channel in LTE Band13 mode with Antenna 13

Date: 2024.08.31

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

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.888 \text{ S/m}$; $\epsilon_r = 42.622$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.5°C

DASY5 Configuration:

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

Ch23230/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

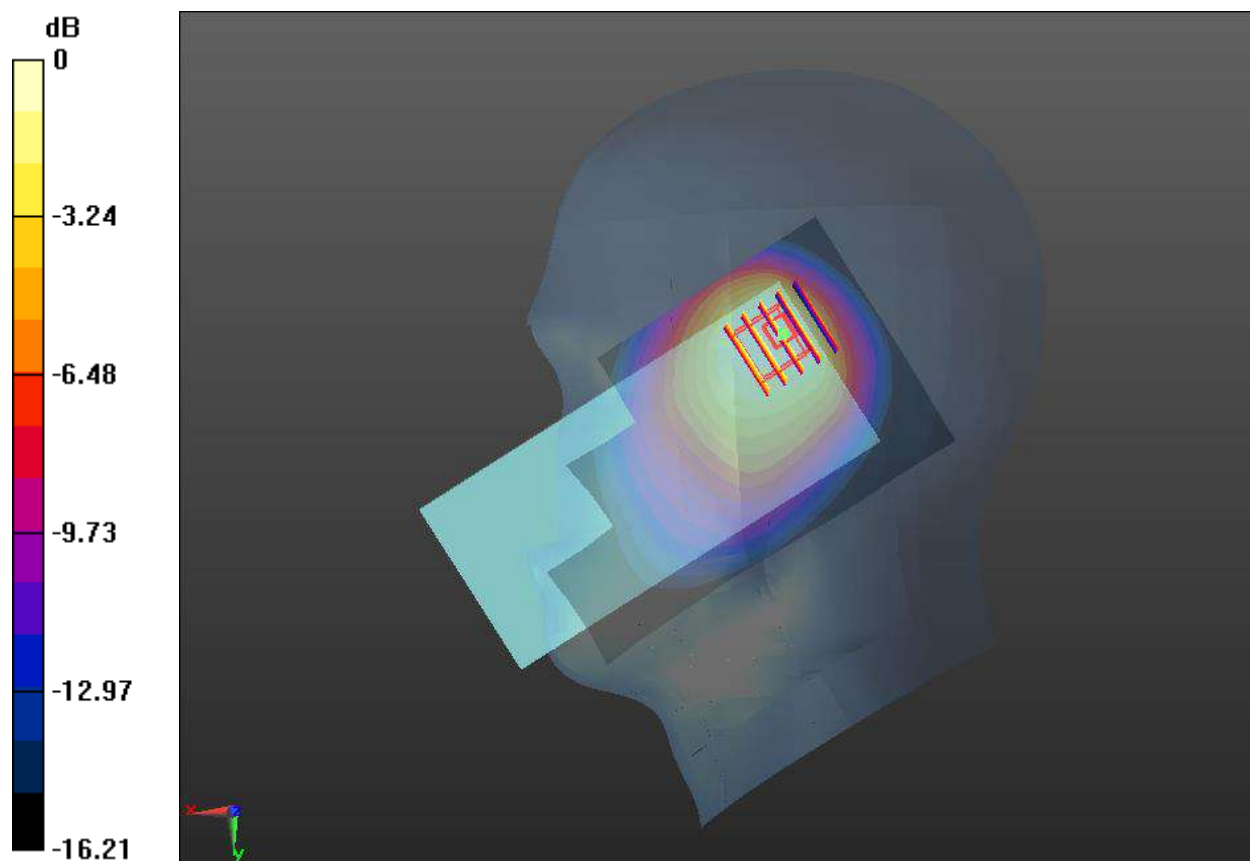
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.73 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.938 W/kg

SAR(1 g) = 0.515 W/kg; SAR(10 g) = 0.328 W/kg

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



0 dB = 0.539 W/kg

Meas.29 Body Plane with Back Side 15mm on Middle Channel in LTE Band13 mode with Antenna 13

Date: 2024.08.31

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

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.888 \text{ S/m}$; $\epsilon_r = 42.622$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.5°C

DASY5 Configuration:

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

Ch23230/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

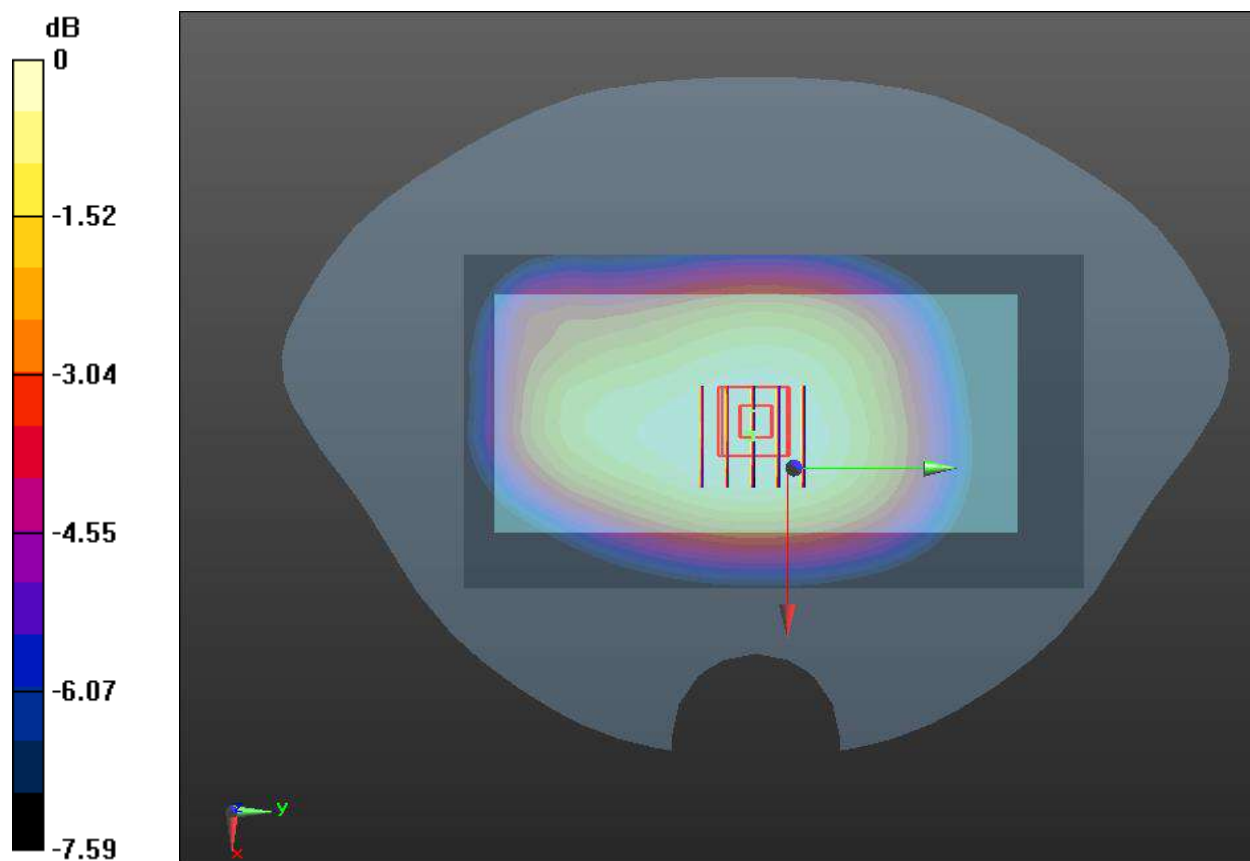
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.33 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.143 W/kg

SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.092 W/kg

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



Meas.30 Body Plane with Back Side 15mm on Middle Channel in LTE Band13 mode with Antenna 31

Date: 2024.08.31

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

Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.888 \text{ S/m}$; $\epsilon_r = 42.622$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.5°C

DASY5 Configuration:

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

Ch23230/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

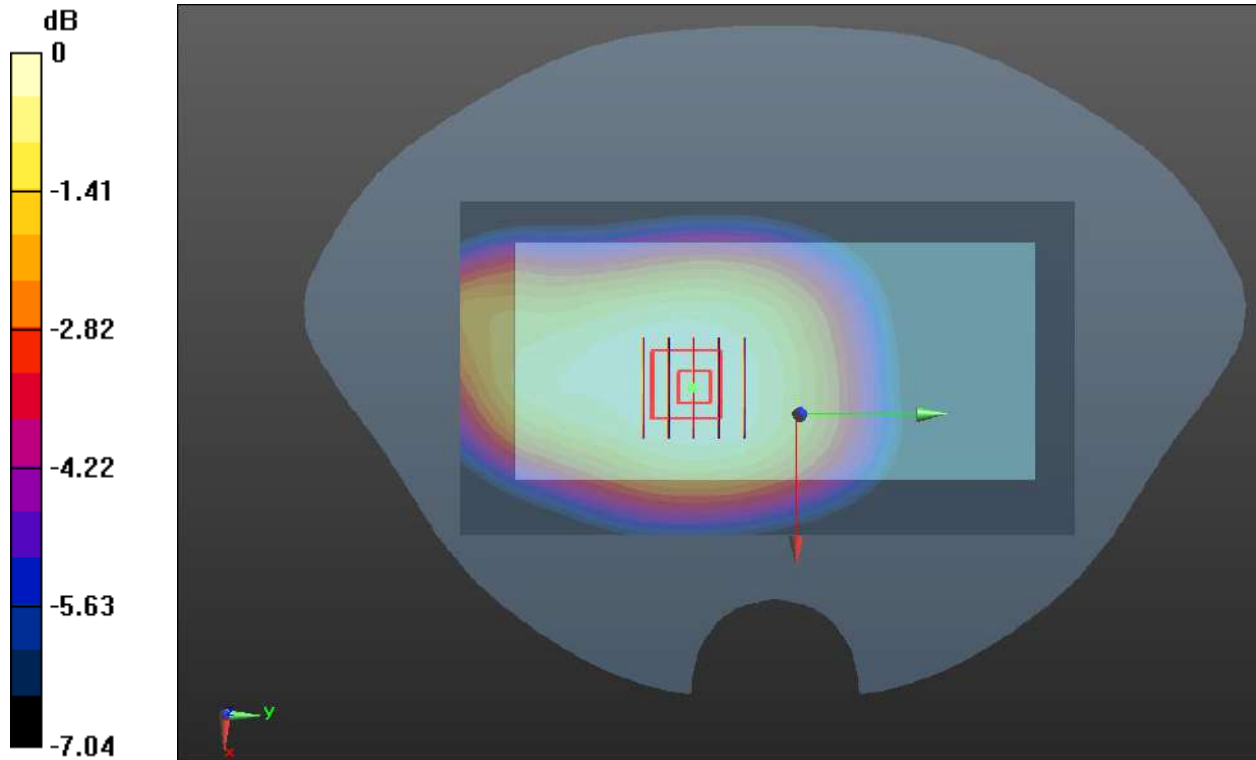
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.99 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.218 W/kg

SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.184 W/kg



0 dB = 0.184 W/kg

Meas.31 Right Head with Cheek on Middle Channel in LTE Band26 mode with Antenna 13

Date: 2024.09.04

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

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 42.753$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.1 °C Liquid Temperature: 21.1 °C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.589 W/kg

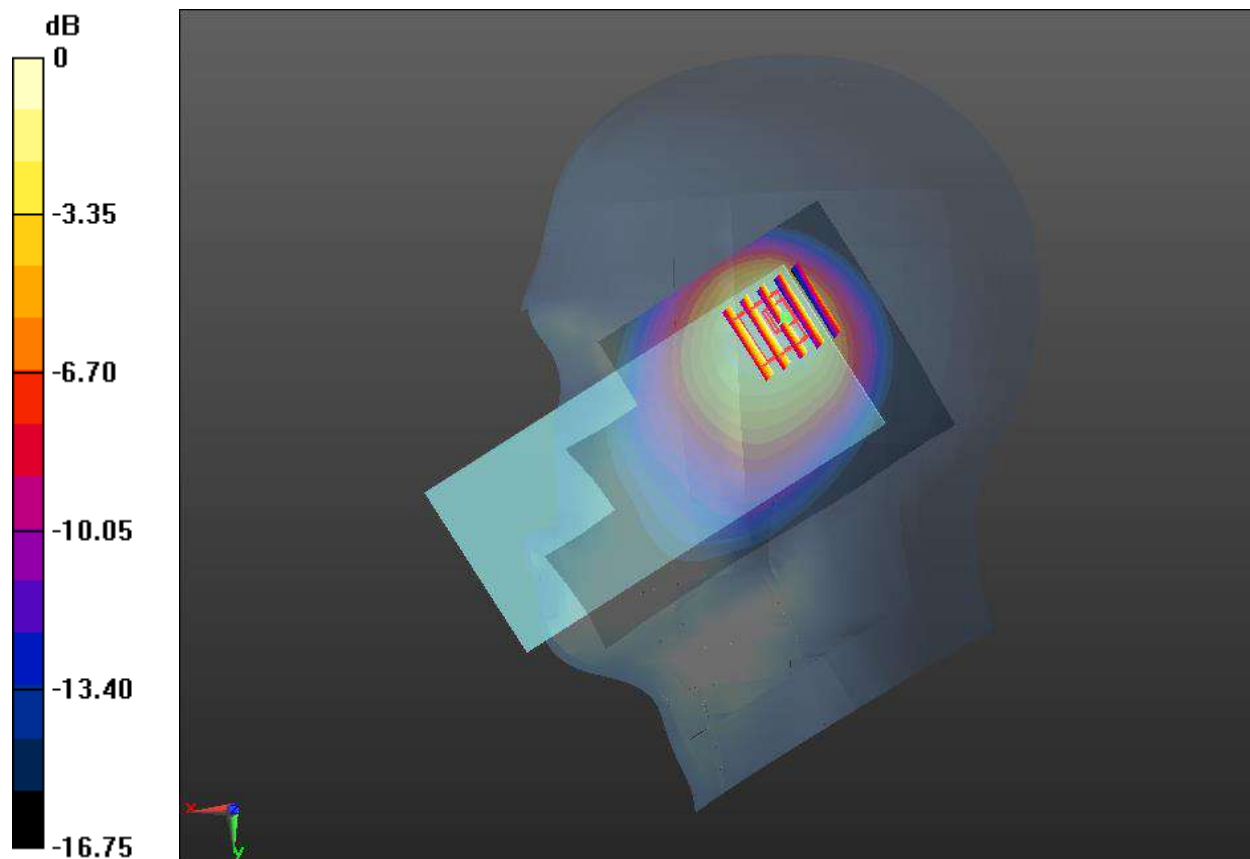
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.15 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.796 W/kg

SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.287 W/kg

Maximum value of SAR (measured) = 0.472 W/kg



0 dB = 0.472 W/kg

Meas.32 Body Plane with Back Side 15mm on Middle Channel in LTE Band26 mode with Antenna 13

Date: 2024.09.04

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

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 42.753$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.1°C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.128 W/kg

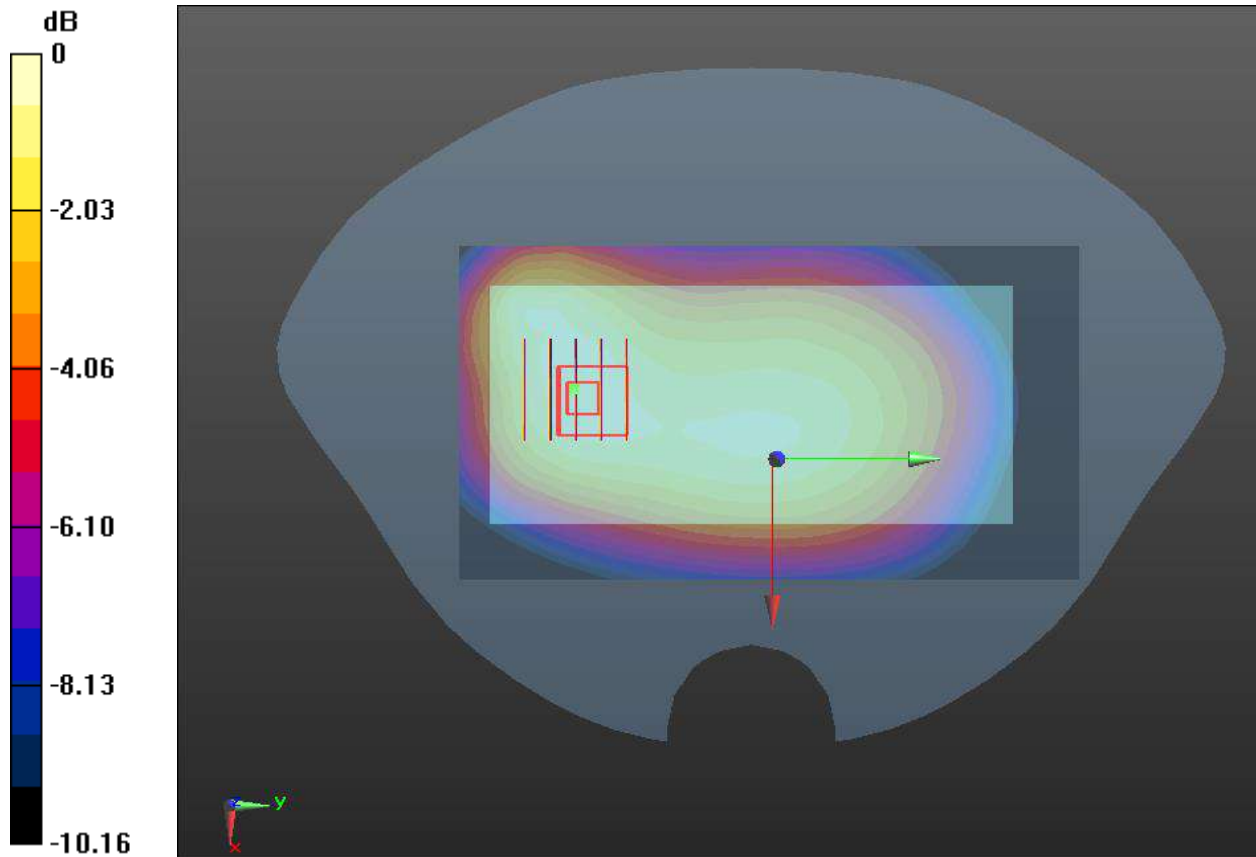
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.82 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.168 W/kg

SAR(1 g) = 0.128 W/kg; SAR(10 g) = 0.093 W/kg

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



0 dB = 0.134 W/kg

Meas.33 Body Plane with Top Edge 10mm on Middle Channel in LTE Band26 mode with Antenna 13

Date: 2024.09.04

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

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 42.753$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.1°C

DASY5 Configuration:

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

CH26865/Area Scan (51x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.203 W/kg

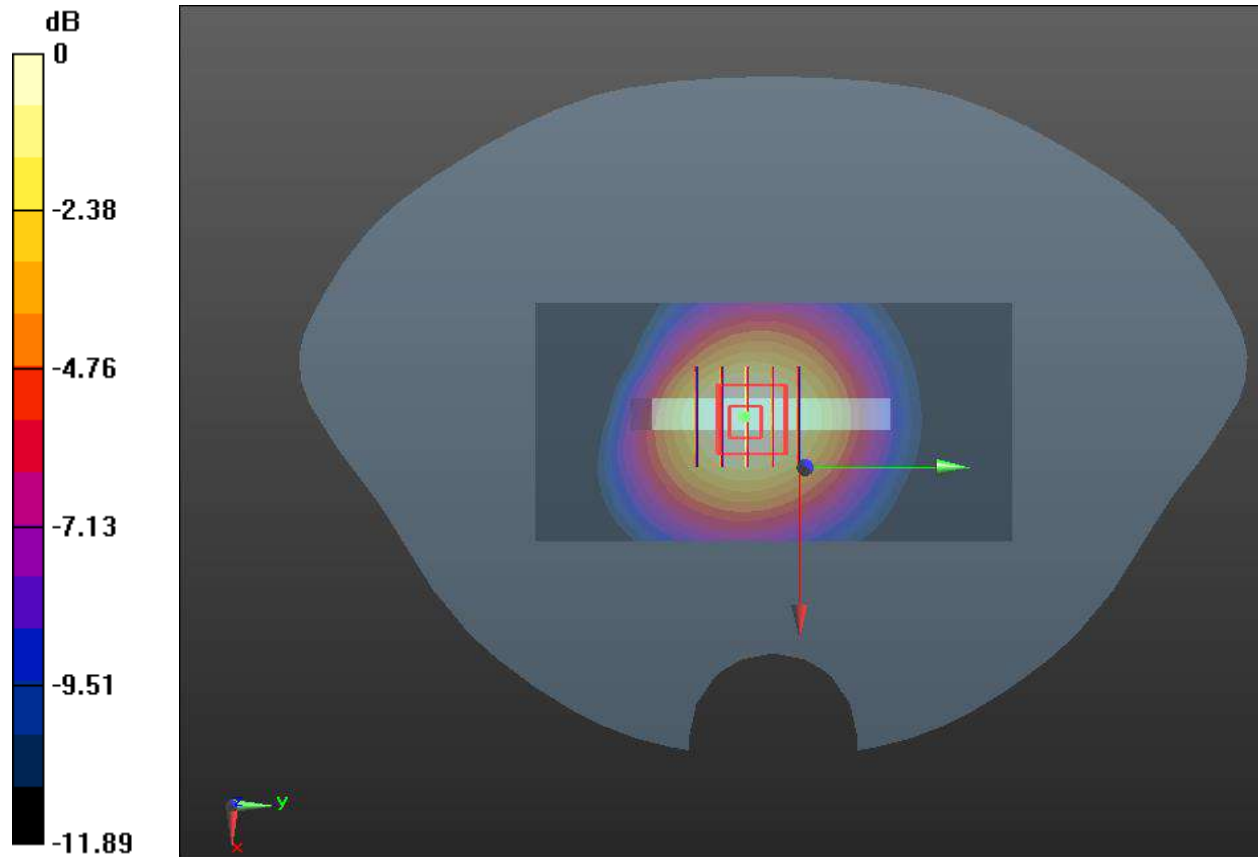
CH26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.54 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.188 W/kg



Meas.34 Right Head with Tilt on High Channel in LTE Band66 mode with Antenna 13

Date: 2024.09.07

Communication System Band: BAND 66; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1770$ MHz; $\sigma = 1.366$ S/m; $\epsilon_r = 38.974$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.3°C

DASY5 Configuration:

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

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

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

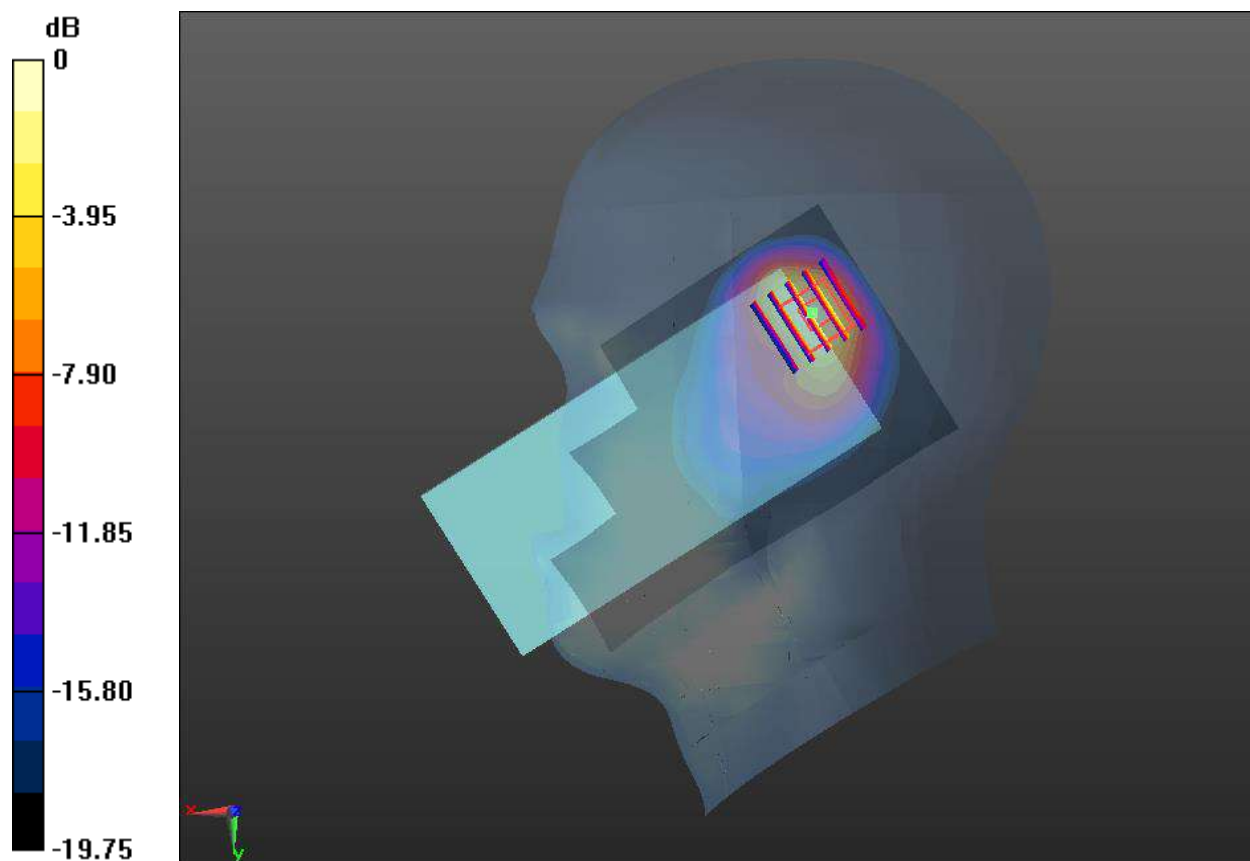
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.72 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.783 W/kg; SAR(10 g) = 0.355 W/kg

Maximum value of SAR (measured) = 0.936 W/kg



0 dB = 0.936 W/kg

Meas.35 Body Plane with Back Side 15mm on Middle Channel in LTE Band66 mode with Antenna 31

Date: 2024.09.07

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

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.348$ S/m; $\epsilon_r = 39.948$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.3°C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.109 W/kg

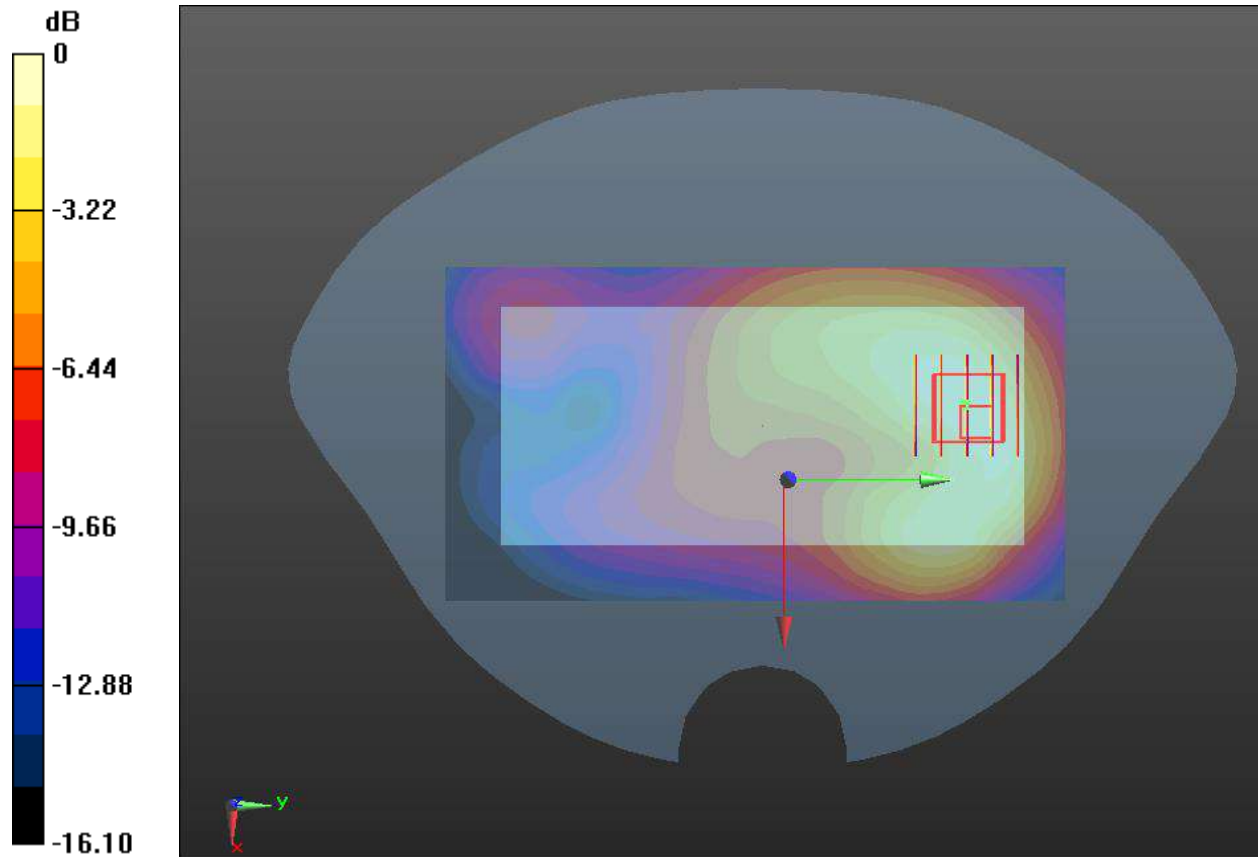
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.296 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.064 W/kg

Maximum value of SAR (measured) = 0.107 W/kg



Meas.36 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band66 mode with Antenna 31

Date: 2024.09.07

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

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.348$ S/m; $\epsilon_r = 39.948$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.3°C

DASY5 Configuration:

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

CH132322/Area Scan (51x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

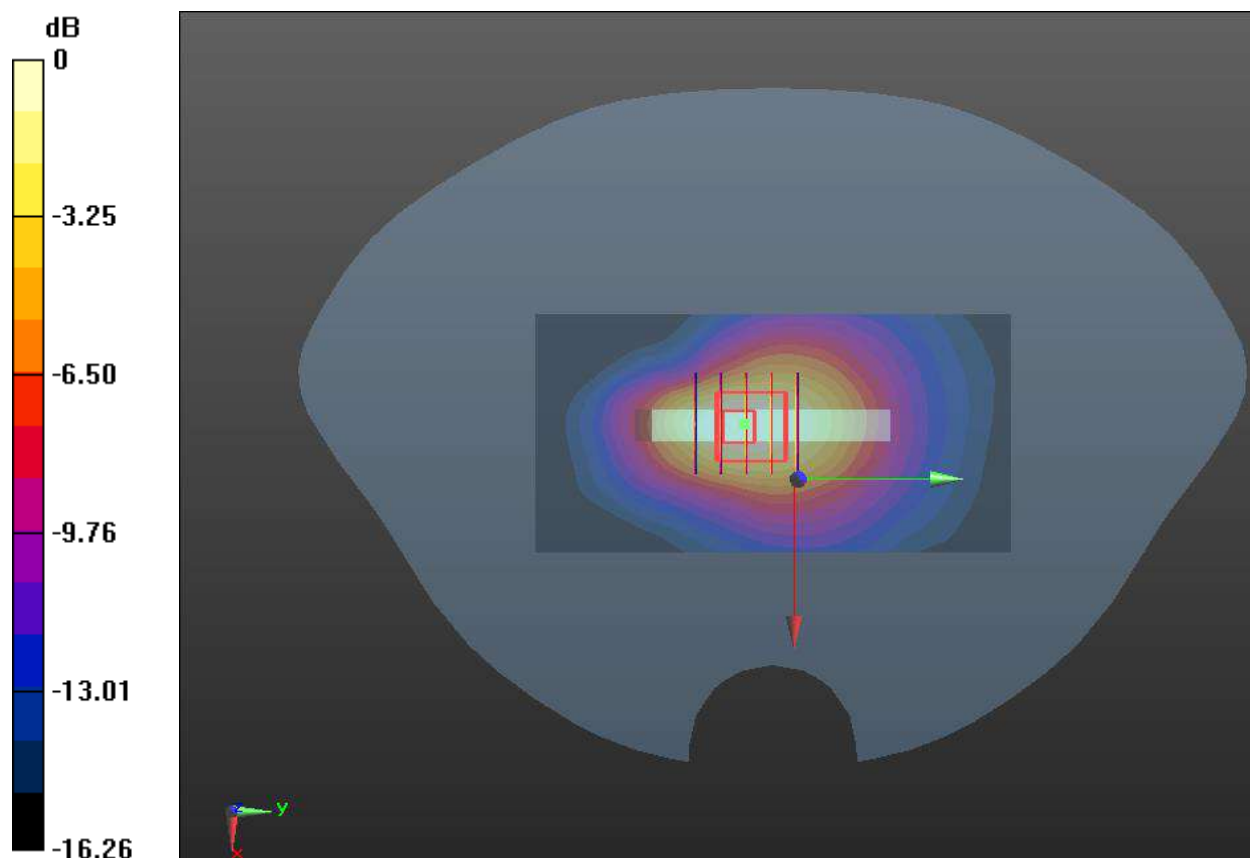
CH132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.03 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.365 W/kg

SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.129 W/kg

Maximum value of SAR (measured) = 0.248 W/kg



Meas.37 Right Head with Tilt on Low Channel in LTE Band38 mode with Antenna 13

Date: 2024.09.25

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

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.916$ S/m; $\epsilon_r = 40.16$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.565 W/kg

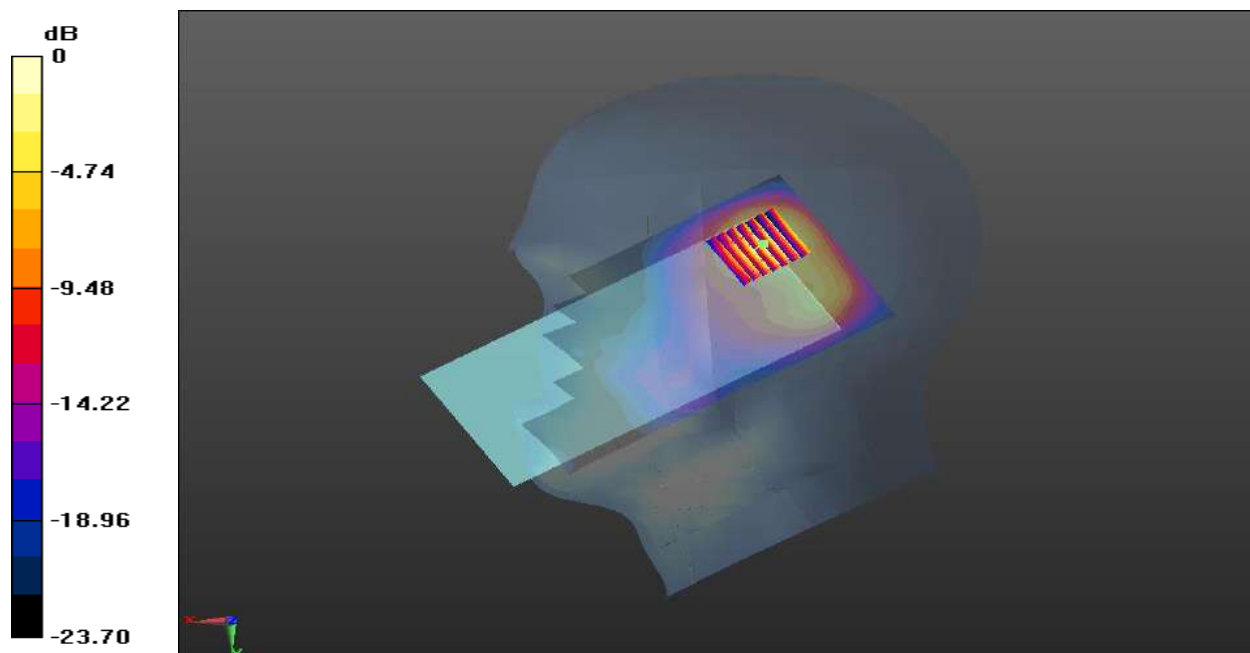
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.997 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.211 W/kg

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



0 dB = 0.603 W/kg

Meas.38 Body Plane with Back Side 15mm on Low Channel in LTE Band38 mode with Antenna 13

Date: 2024.09.12

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

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.944$ S/m; $\epsilon_r = 39.956$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.7°C

DASY5 Configuration:

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

Ch37850/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

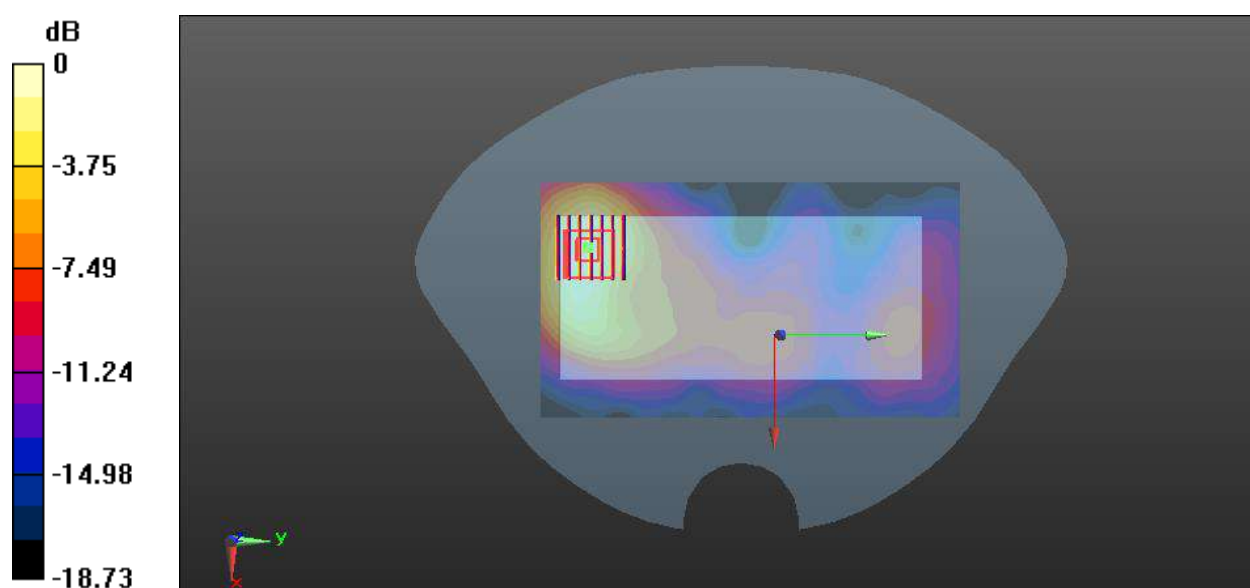
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.8110 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.170 W/kg

SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.053 W/kg

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



0 dB = 0.105 W/kg

Meas.39 Body Plane with Back Side 10mm on Middle Channel in LTE Band38 mode with Antenna 31

Date: 2024.09.12

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

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.955$ S/m; $\epsilon_r = 40.093$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.7°C

DASY5 Configuration:

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

Ch38000/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.424 W/kg

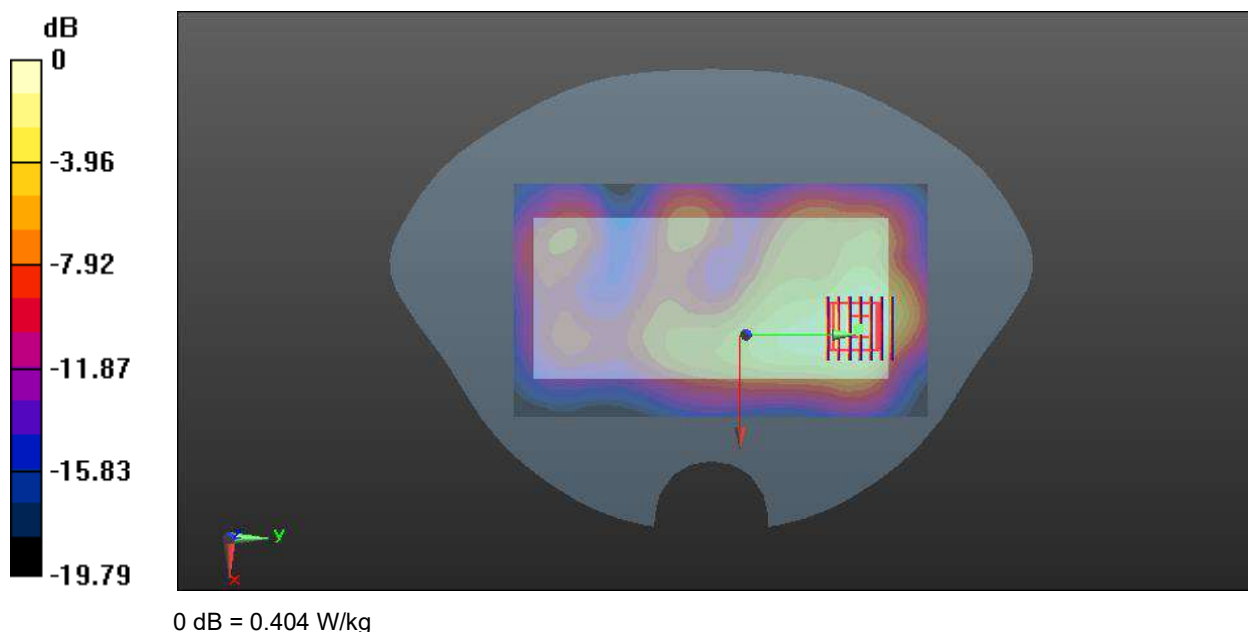
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.197 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.651 W/kg

SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.189 W/kg

Maximum value of SAR (measured) = 0.404 W/kg



Meas.40 Right Head with Tilt on Middle Channel in LTE Band41 mode with Antenna 13

Date: 2024.09.13

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

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.898$ S/m; $\epsilon_r = 40.366$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.5°C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.888 W/kg

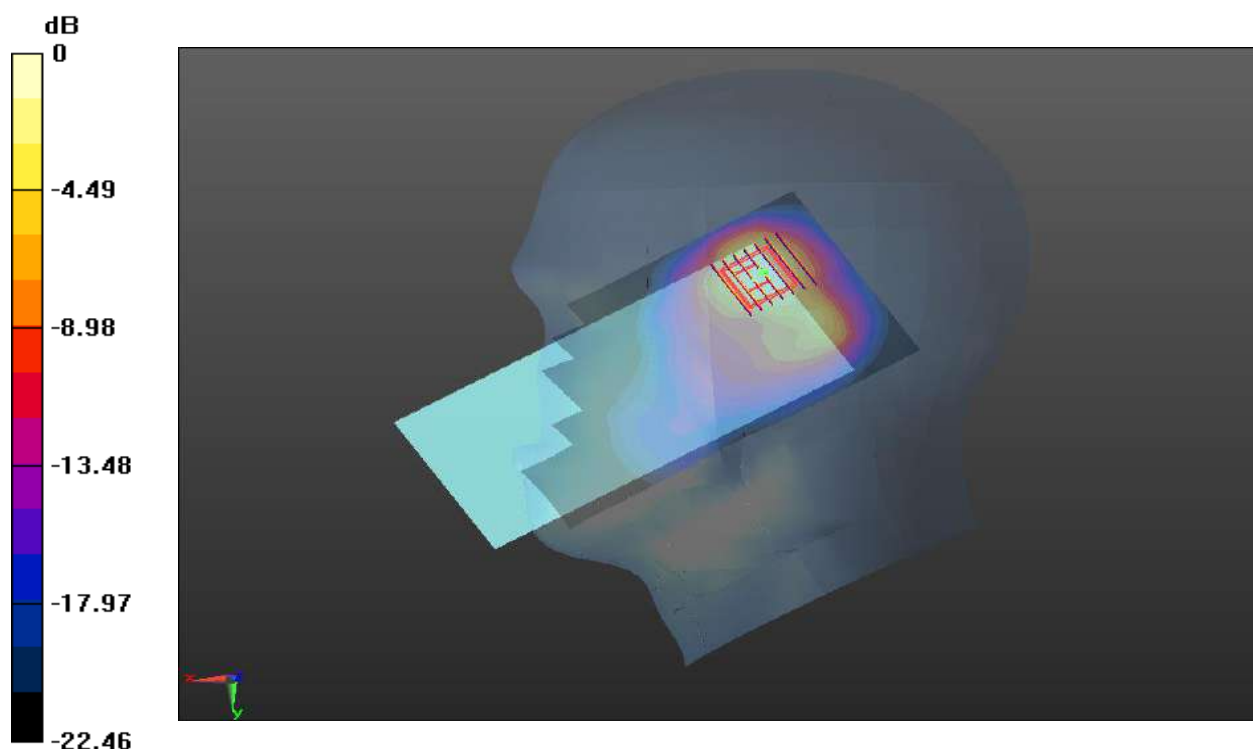
Ch40640/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.54 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.672 W/kg; SAR(10 g) = 0.322 W/kg

Maximum value of SAR (measured) = 0.791 W/kg



0 dB = 0.791 W/kg

Meas.41 Body Plane with Back Side 15mm on Middle Channel in LTE Band41 mode with Antenna 13

Date: 2024.09.13

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

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.898$ S/m; $\epsilon_r = 40.366$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.5°C

DASY5 Configuration:

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

Ch40640/Area Scan (91x171x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

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

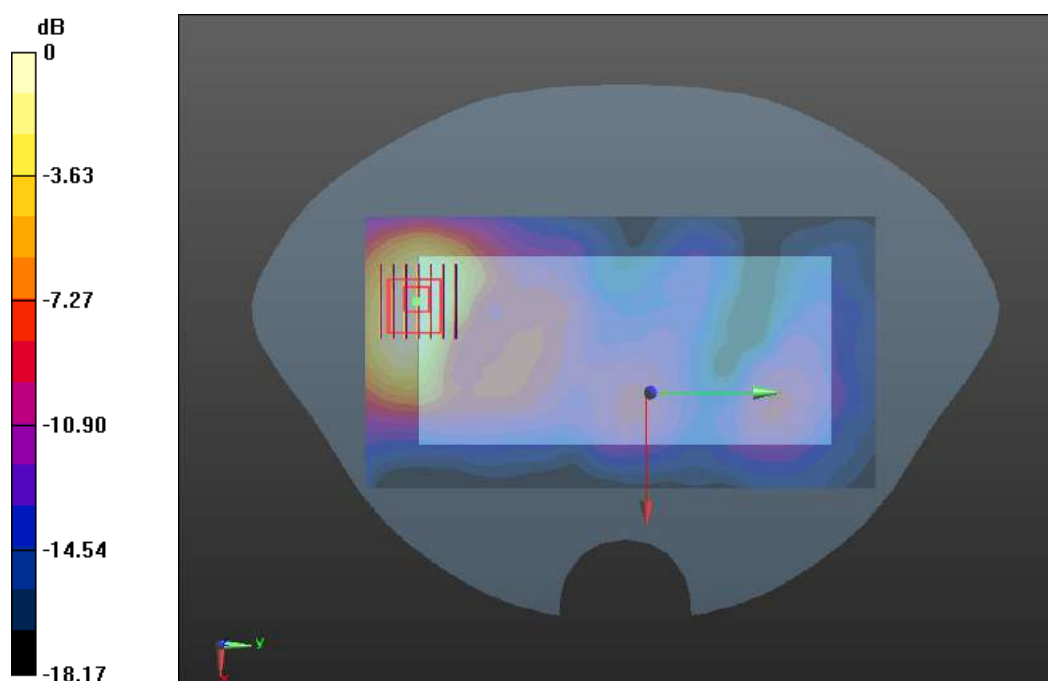
Ch40640/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.631 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.058 W/kg

Maximum value of SAR (measured) = 0.118 W/kg



0 dB = 0.118 W/kg

Meas.42 Body Plane with Top Edge 10mm on Middle Channel in LTE Band41 with Antenna 13

Date: 2024.09.13

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

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.898$ S/m; $\epsilon_r = 40.366$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.5°C

DASY5 Configuration:

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

CH40640/Area Scan (61x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.257 W/kg

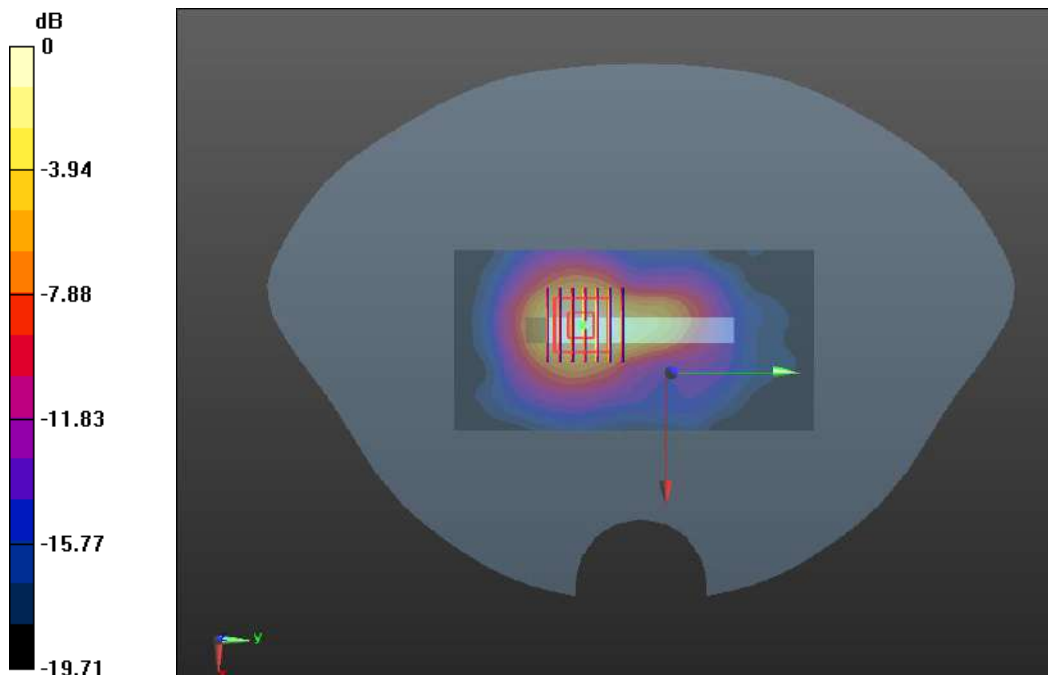
CH40640/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.767 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.399 W/kg

SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.099 W/kg

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



0 dB = 0.229 W/kg

Meas.43 Left Head with Tilt on 78 Channel in Bluetooth mode with Antenna 22

Date: 2024.09.05

Communication System Band: BT; Frequency: 2480 MHz; Duty Cycle: 1:1.287

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.866$ S/m; $\epsilon_r = 37.930$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.133 W/kg

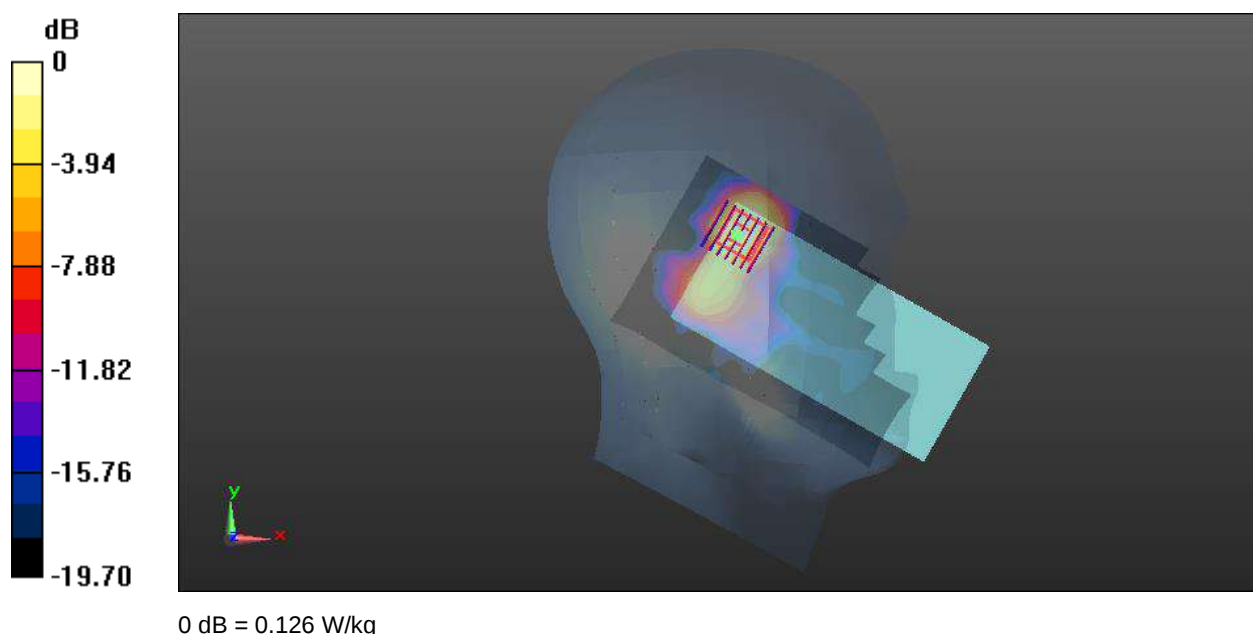
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.094 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.213 W/kg

SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.052 W/kg

Maximum value of SAR (measured) = 0.126 W/kg



Meas.44 Body Plane with Back Side 15mm on 78 Channel in Bluetooth mode with Antenna 22

Date: 2024.09.05

Communication System Band: BT; Frequency: 2480 MHz; Duty Cycle: 1:1.287

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.866$ S/m; $\epsilon_r = 37.930$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.0287 W/kg

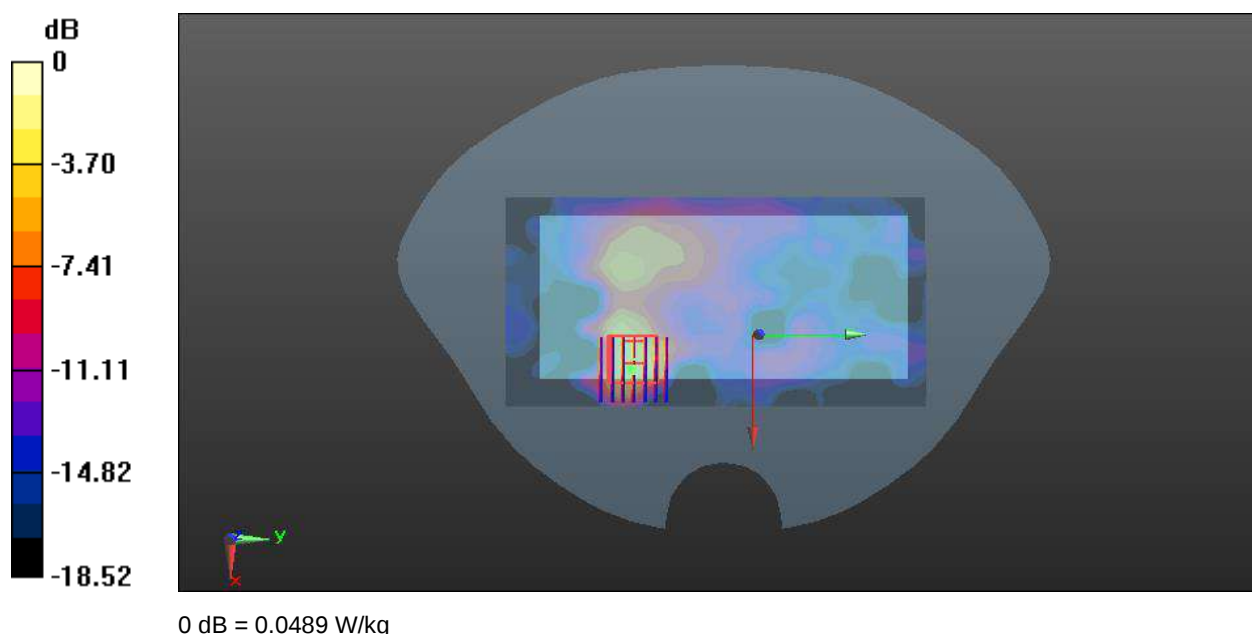
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.3890 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.0920 W/kg

SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.018 W/kg

Maximum value of SAR (measured) = 0.0489 W/kg



Meas.45 Body Plane with Back Side 10mm on 78 Channel in Bluetooth mode with Antenna 22

Date: 2024.09.05

Communication System Band: BT; Frequency: 2480 MHz; Duty Cycle: 1:1.287

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.866$ S/m; $\epsilon_r = 37.930$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.129 W/kg

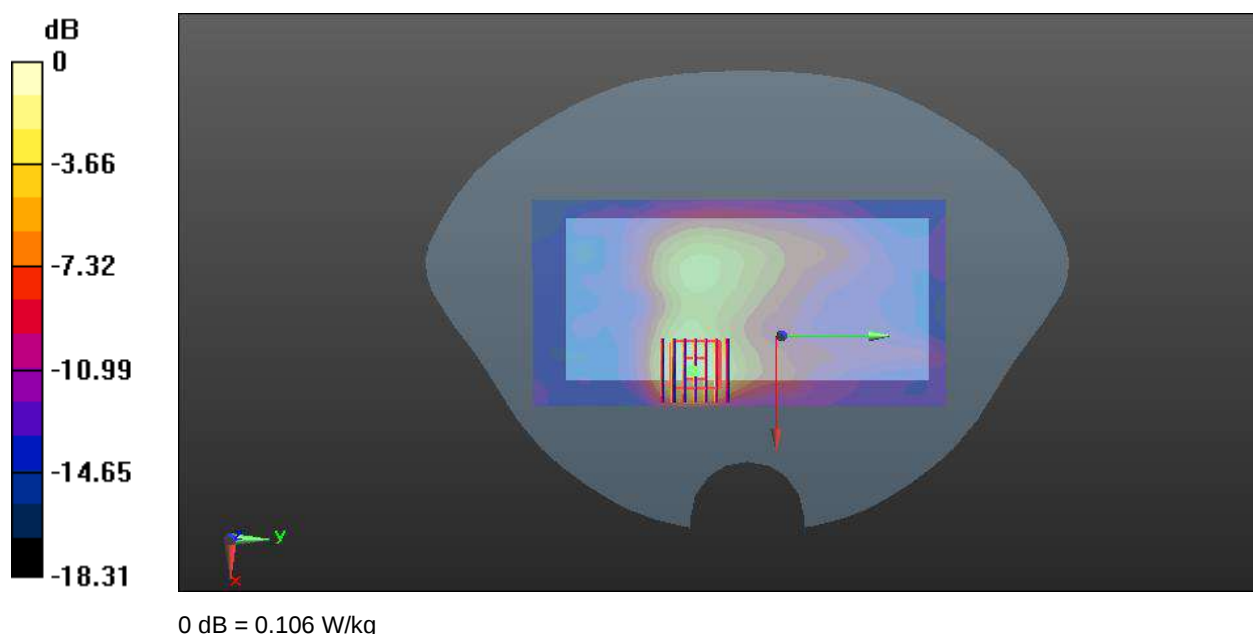
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.735 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.202 W/kg

SAR(1 g) = 0.095 W/kg; SAR(10 g) = 0.047 W/kg

Maximum value of SAR (measured) = 0.106 W/kg



Meas.46 Left Head with Cheek on 6 Channel in IEEE802.11b mode with Antenna 22

Date: 2024.09.05

Communication System Band: 2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1.017

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.815$ S/m; $\epsilon_r = 38.91$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

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

Ch1/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.856 W/kg

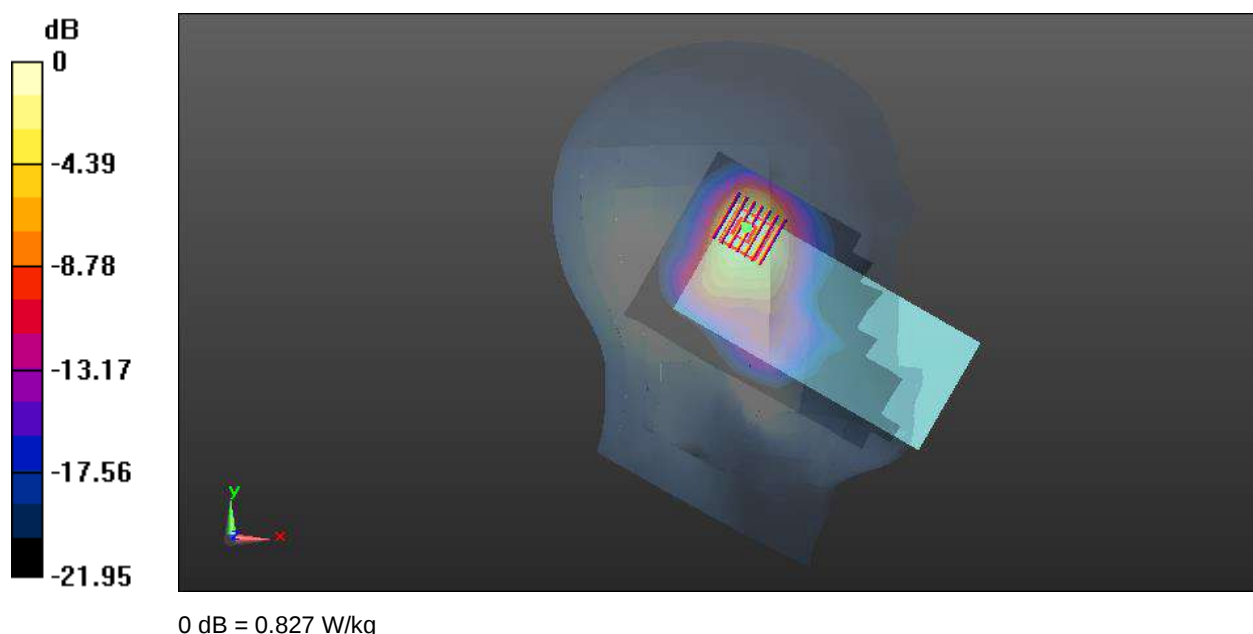
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.105 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.358 W/kg

Maximum value of SAR (measured) = 0.827 W/kg



Meas.47 Body Plane with Back Side 15mm on 11 Channel in IEEE802.11b mode with Antenna 22

Date: 2024.09.05

Communication System Band: 2.4G; Frequency: 2462 MHz; Duty Cycle: 1:1.017

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.845$ S/m; $\epsilon_r = 38.444$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch11/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.143 W/kg

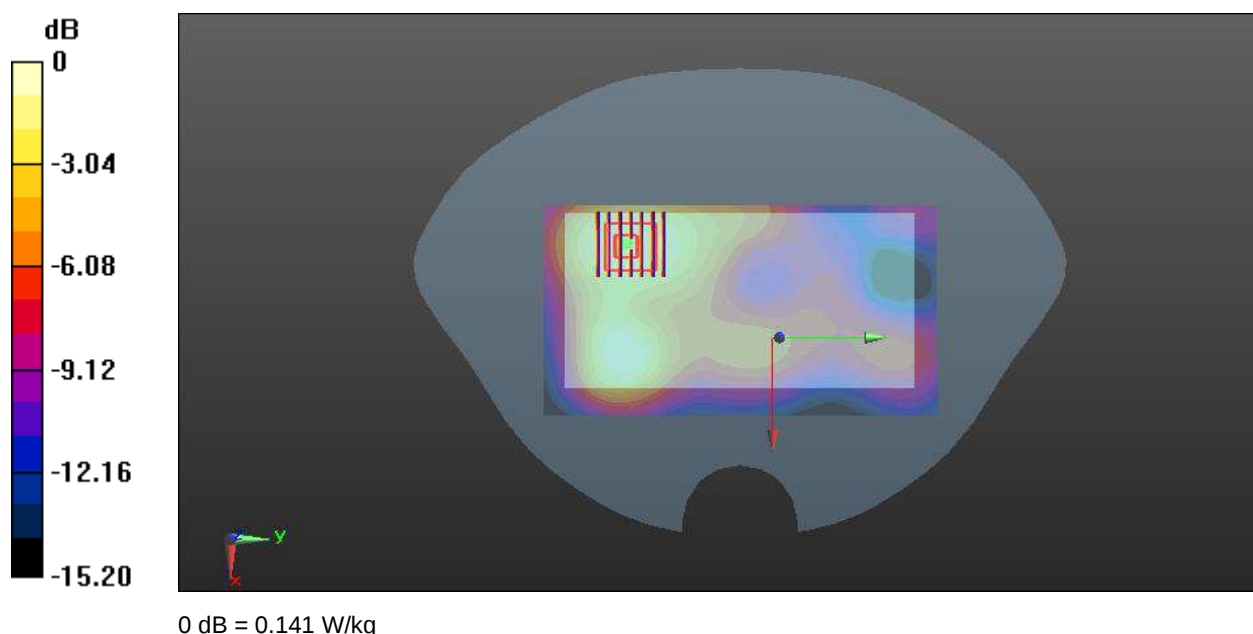
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.365 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.078 W/kg

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



Meas.48 Body Plane with Back Side 10mm on 11 Channel in IEEE802.11b mode with Antenna 22

Date: 2024.09.05

Communication System Band: 2.4G; Frequency: 2462 MHz; Duty Cycle: 1:1.017

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.845$ S/m; $\epsilon_r = 38.444$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch11/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.310 W/kg

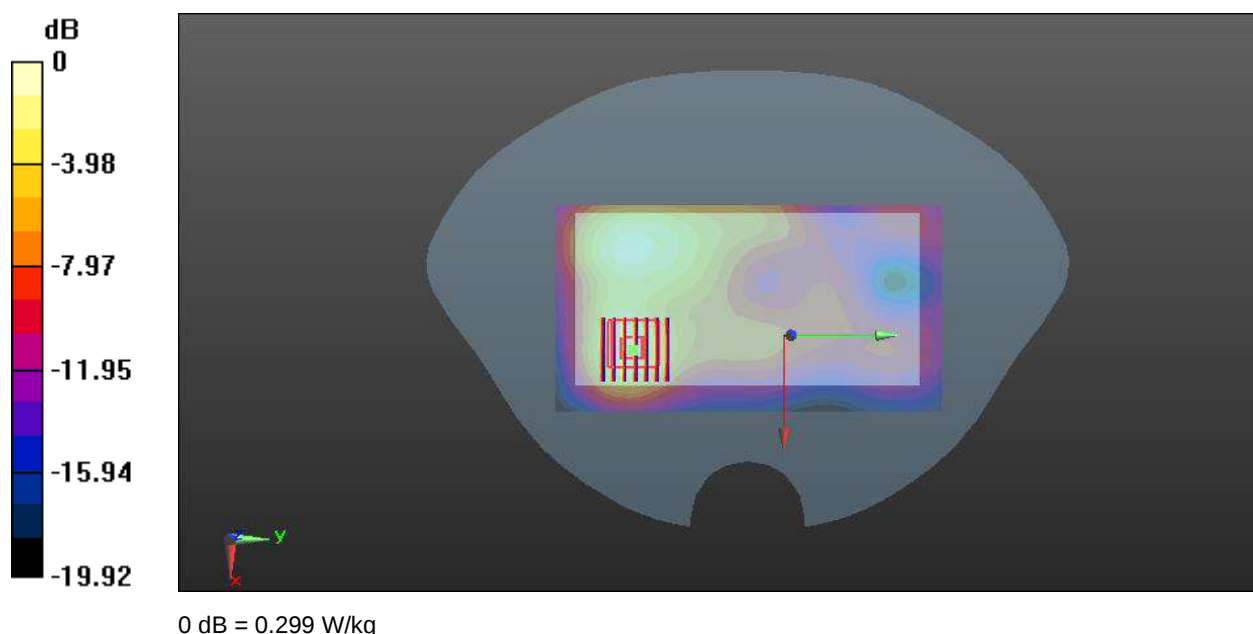
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.200 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.532 W/kg

SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.299 W/kg



Meas.49 Left Head with Cheek on 54 Channel in IEEE802.11n40 mode with Antenna 22

Date: 2024.09.14

Communication System Band: 5.3G; Frequency: 5270 MHz; Duty Cycle: 1:1.124

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.801$ S/m; $\epsilon_r = 36.514$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

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

Ch64/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

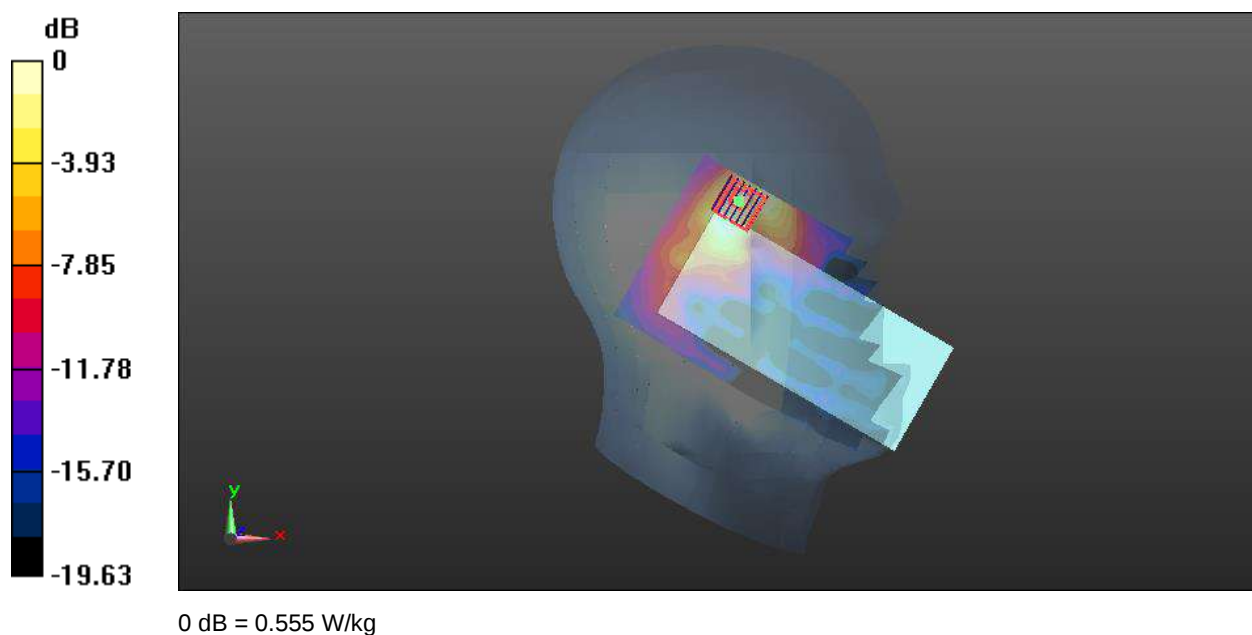
Ch64/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.433 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.124 W/kg

Maximum value of SAR (measured) = 0.555 W/kg



Meas.50 Left Head with Cheek on 134 Channel in IEEE802.11n40 mode with Antenna 22

Date: 2024.09.15

Communication System Band: 5.6G; Frequency: 5670 MHz; Duty Cycle: 1:1.124

Medium parameters used: $f = 5670$ MHz; $\sigma = 5.227$ S/m; $\epsilon_r = 35.682$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

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

Ch140/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.33 W/kg

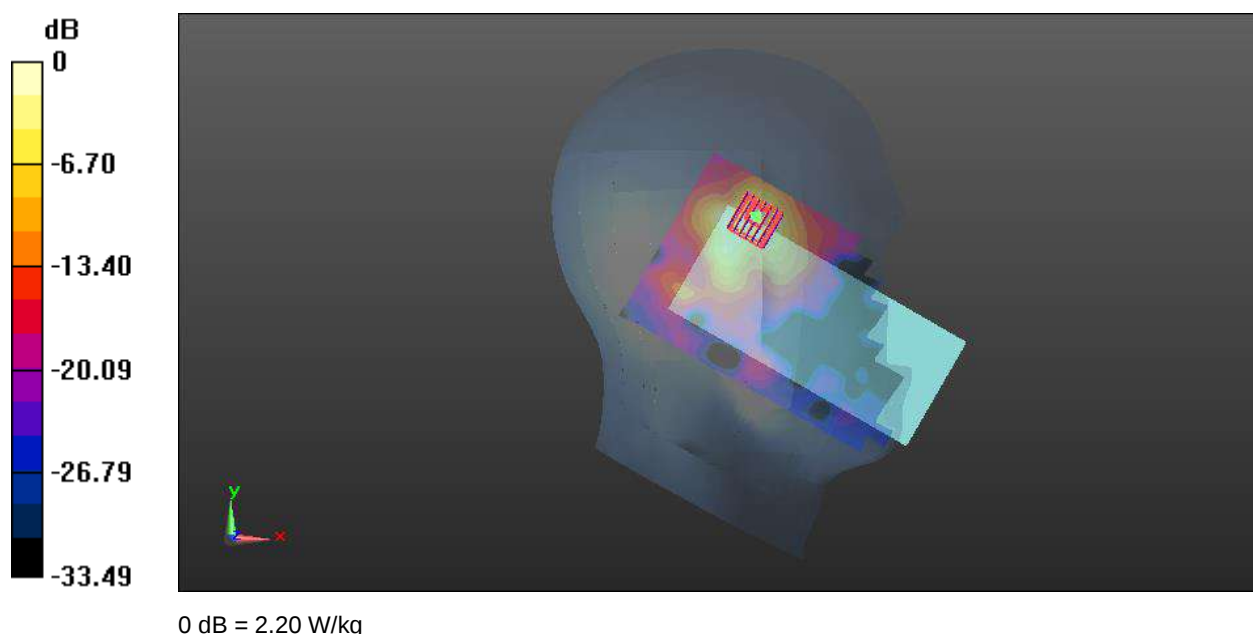
Ch140/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.662 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 5.34 W/kg

SAR(1 g) = 0.752 W/kg; SAR(10 g) = 0.322 W/kg

Maximum value of SAR (measured) = 2.20 W/kg



Meas.51 Left Head with Cheek on 151 Channel in IEEE802.11n40 mode with Antenna 22

Date: 2024.09.16

Communication System Band: 5.8G; Frequency: 5755 MHz; Duty Cycle: 1:1.124

Medium parameters used: $f = 5755$ MHz; $\sigma = 5.162$ S/m; $\epsilon_r = 35.708$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

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

Ch157/Area Scan (121x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

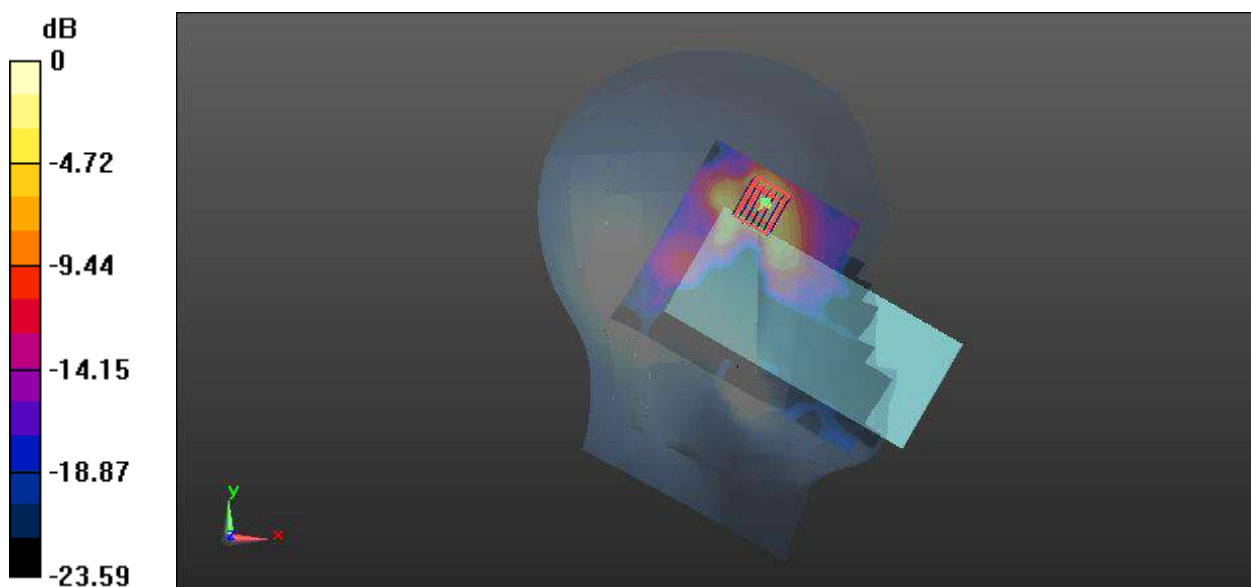
Ch157/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.232 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.08 W/kg

SAR(1 g) = 0.669 W/kg; SAR(10 g) = 0.201 W/kg

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



0 dB = 1.34 W/kg

Meas.52 Body Plane with Back Side 15mm on 64 Channel in IEEE802.11a mode with Antenna 22

Date: 2024.09.14

Communication System Band: 5.3G; Frequency: 5320 MHz; Duty Cycle: 1:1.094

Medium parameters used (interpolated): $f = 5320$ MHz; $\sigma = 4.8621$ S/m; $\epsilon_r = 34.671$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.3°C

DASY5 Configuration:

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

Ch64/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.963 W/kg

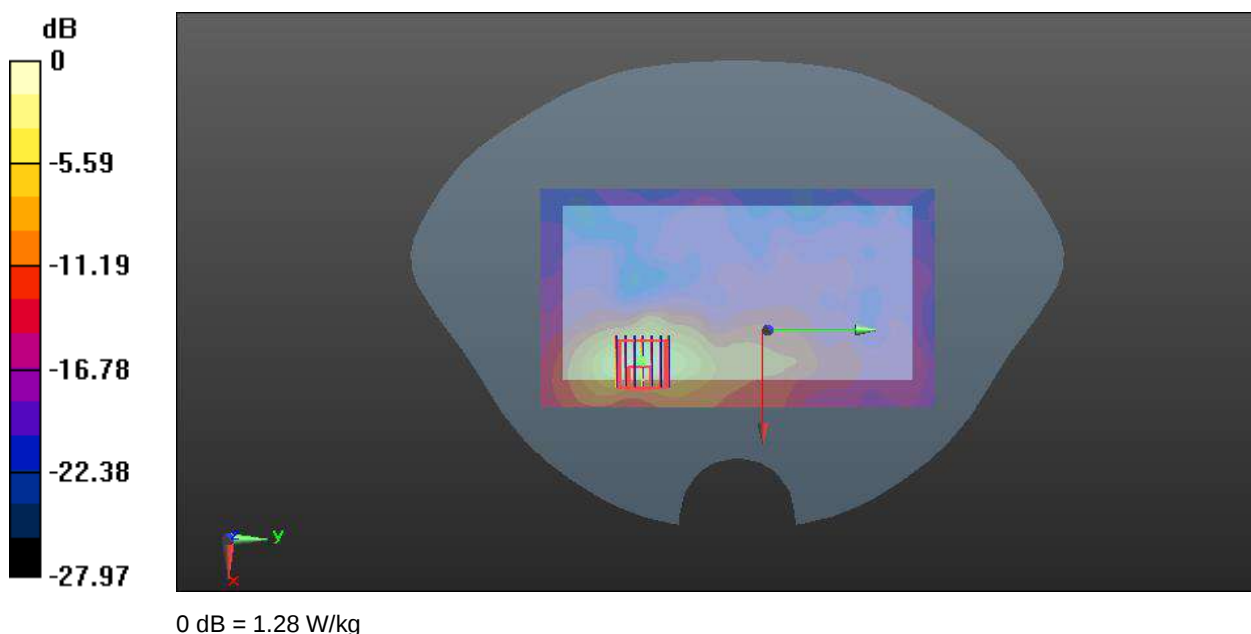
Ch64/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.65 W/kg

SAR(1 g) = 0.679 W/kg; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 1.28 W/kg



Meas.53 Body Plane with Back Side 15mm on 134 Channel in 802.11n40 mode with Antenna 22

Date: 2024.09.15

Communication System Band: 5.6G; Frequency: 5670 MHz; Duty Cycle: 1:1.124

Medium parameters used: $f = 5670$ MHz; $\sigma = 5.227$ S/m; $\epsilon_r = 35.682$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

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

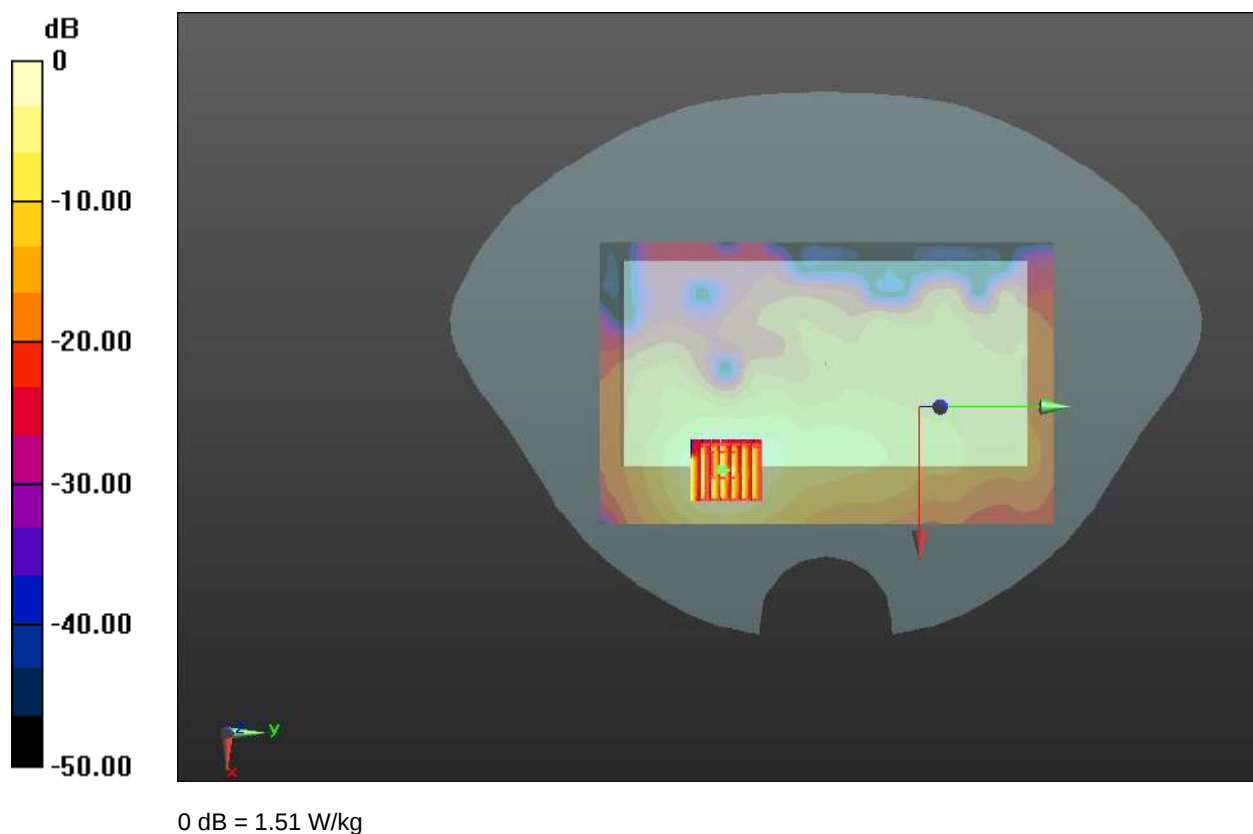
Ch134/Area Scan (111x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mmMaximum value of SAR (interpolated) = 1.42 W/kg **Ch134/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.456 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 4.39 W/kg

SAR(1 g) = 0.636 W/kg; SAR(10 g) = 0.315 W/kg

Maximum value of SAR (measured) = 1.51 W/kg



Meas.54 Body Plane with Back Side 15mm on 151 Channel in IEEE802.11n40 mode with Antenna 22

Date: 2024.09.16

Communication System Band: 5.8G; Frequency: 5755 MHz; Duty Cycle: 1:1.124

Medium parameters used (interpolated): $f = 5755$ MHz; $\sigma = 5.162$ S/m; $\epsilon_r = 35.708$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

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

Ch157/Area Scan (101x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.29 W/kg

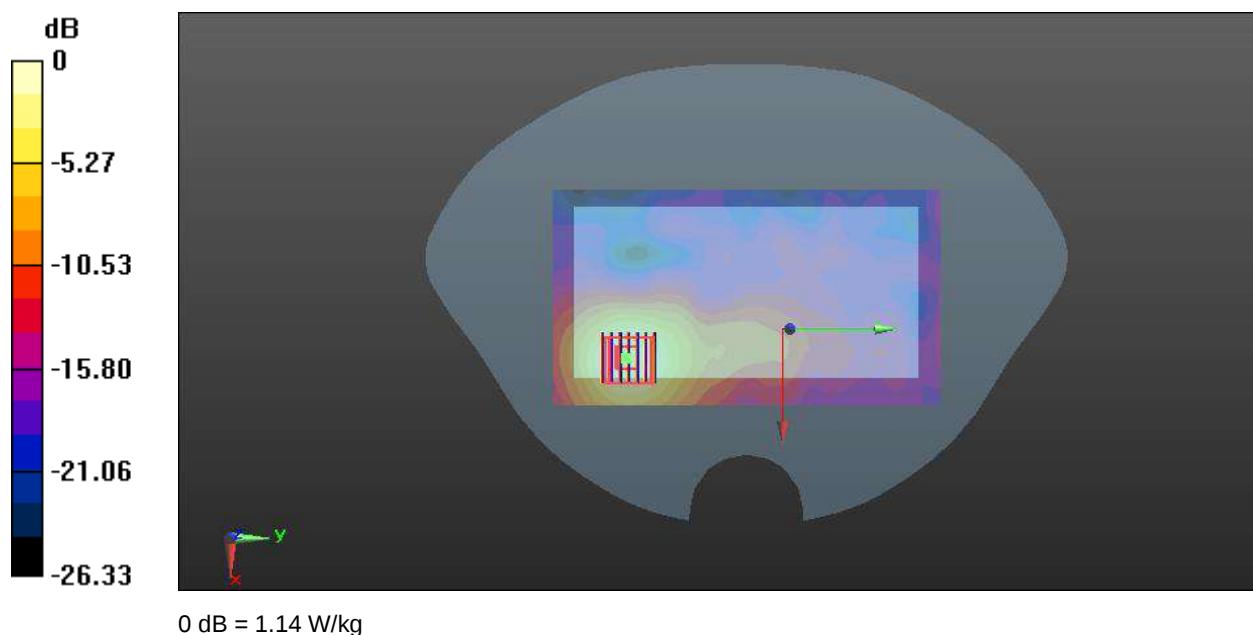
Ch157/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 2.25 W/kg

SAR(1 g) = 0.626 W/kg; SAR(10 g) = 0.248 W/kg

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



Meas.55 Body Plane with Back Side 10mm on 38 Channel in IEEE802.11n40 mode with Antenna 22

Date: 2024.09.14

Communication System Band: 5.2G; Frequency: 5190 MHz; Duty Cycle: 1:1.094

Medium parameters used (interpolated): $f = 5190$ MHz; $\sigma = 4.546$ S/m; $\epsilon_r = 37.013$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.3°C

DASY5 Configuration:

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

Ch36/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.826 W/kg

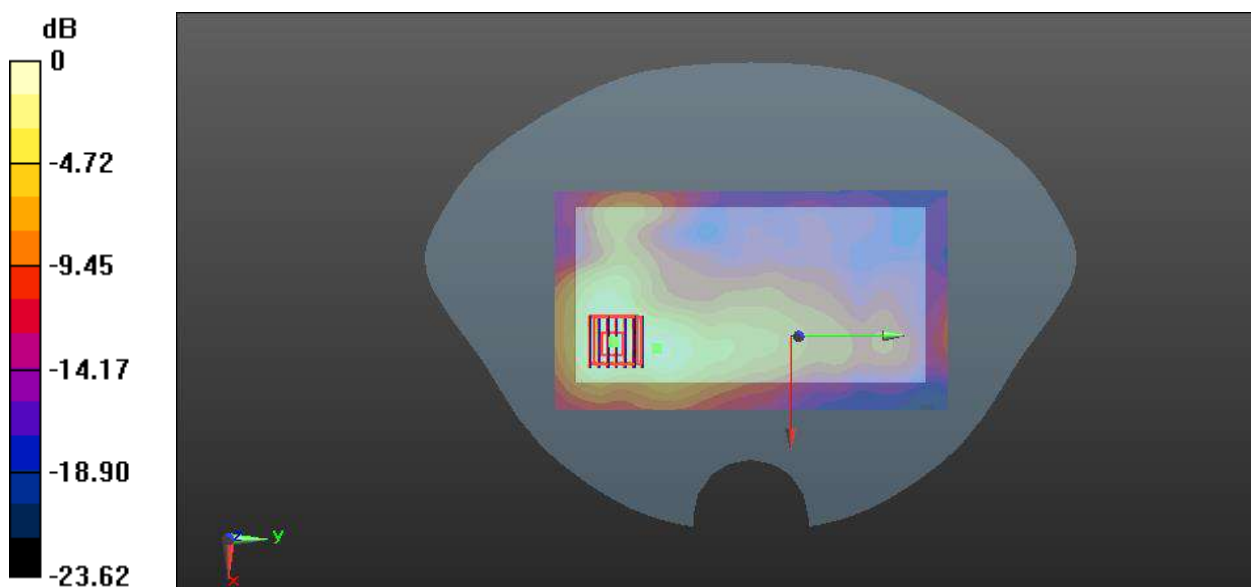
Ch36/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.538 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.456 W/kg; SAR(10 g) = 0.185 W/kg

Maximum value of SAR (measured) = 0.790 W/kg



0 dB = 0.790 W/kg

Meas.56 Body Plane with Left Edge 10mm on 155 Channel in IEEE802.11ac80 mode with Antenna 22

Date: 2024.09.18

Communication System Band: 5.8G; Frequency: 5775 MHz; Duty Cycle: 1:1.248

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 5.257$ S/m; $\epsilon_r = 35.445$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

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

Ch157/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.654 W/kg

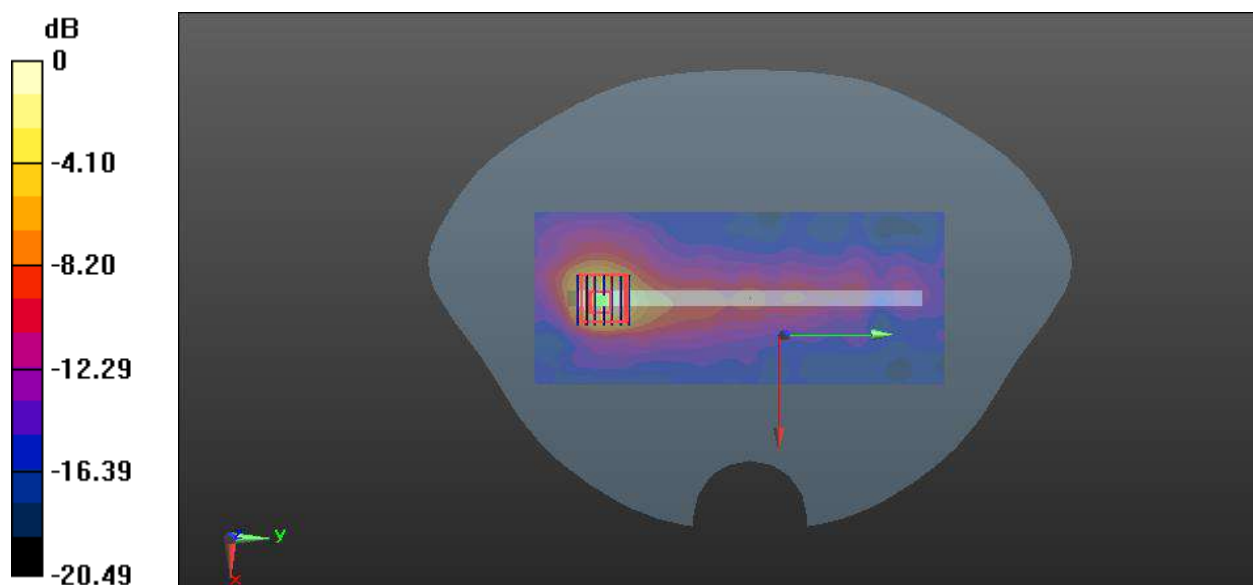
Ch157/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.209 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.116 W/kg

Maximum value of SAR (measured) = 0.656 W/kg



0 dB = 0.656 W/kg

Meas.57 Body Plane with Left Edge 0mm on 64 Channel in IEEE802.11a mode with Antenna 22

Date: 2024.09.14

Communication System Band: 5.3G; Frequency: 5320 MHz; Duty Cycle: 1:1.094

Medium parameters used (interpolated): $f = 5320$ MHz; $\sigma = 4.862$ S/m; $\epsilon_r = 34.671$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.3°C

DASY5 Configuration:

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

Ch64/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 10.2 W/kg

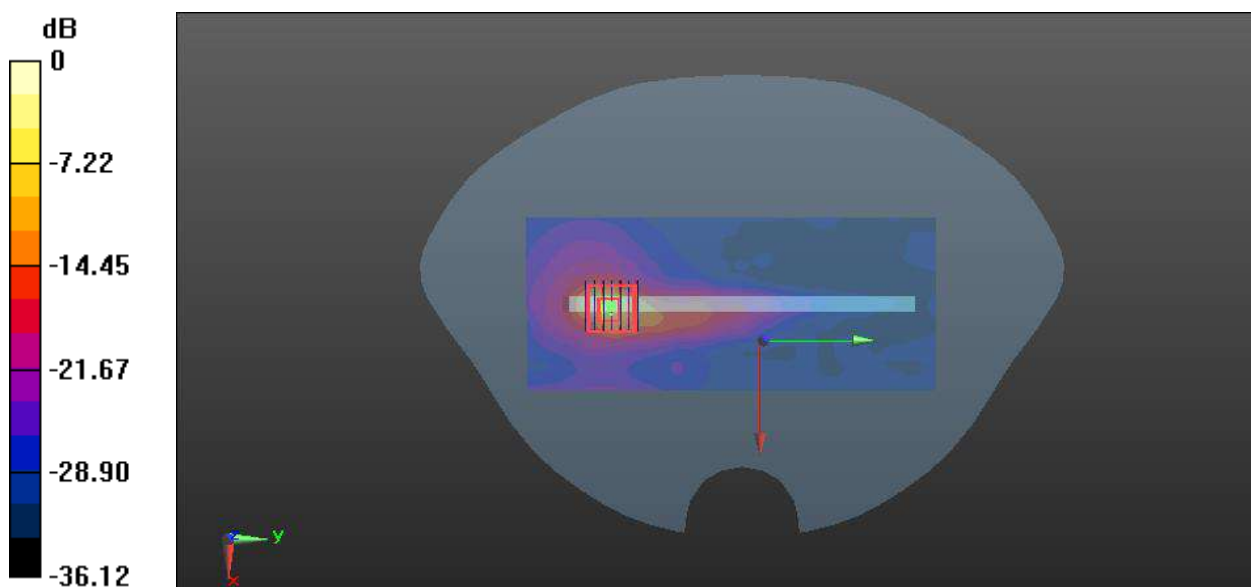
Ch64/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.289 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 52.1 W/kg

SAR(1 g) = 6.38 W/kg; SAR(10 g) = 1.1 W/kg

Maximum value of SAR (measured) = 16.4 W/kg



0 dB = 16.4 W/kg

Meas.58 Body Plane with Left Edge 0mm on 134 Channel in IEEE802.11n40 mode with Antenna 22

Date: 2024.09.13

Communication System Band: 5.6G; Frequency: 5670 MHz; Duty Cycle: 1:1.124

Medium parameters used: $f = 5670$ MHz; $\sigma = 5.146$ S/m; $\epsilon_r = 34.103$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.3°C

DASY5 Configuration:

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

Ch140/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 5.94 W/kg

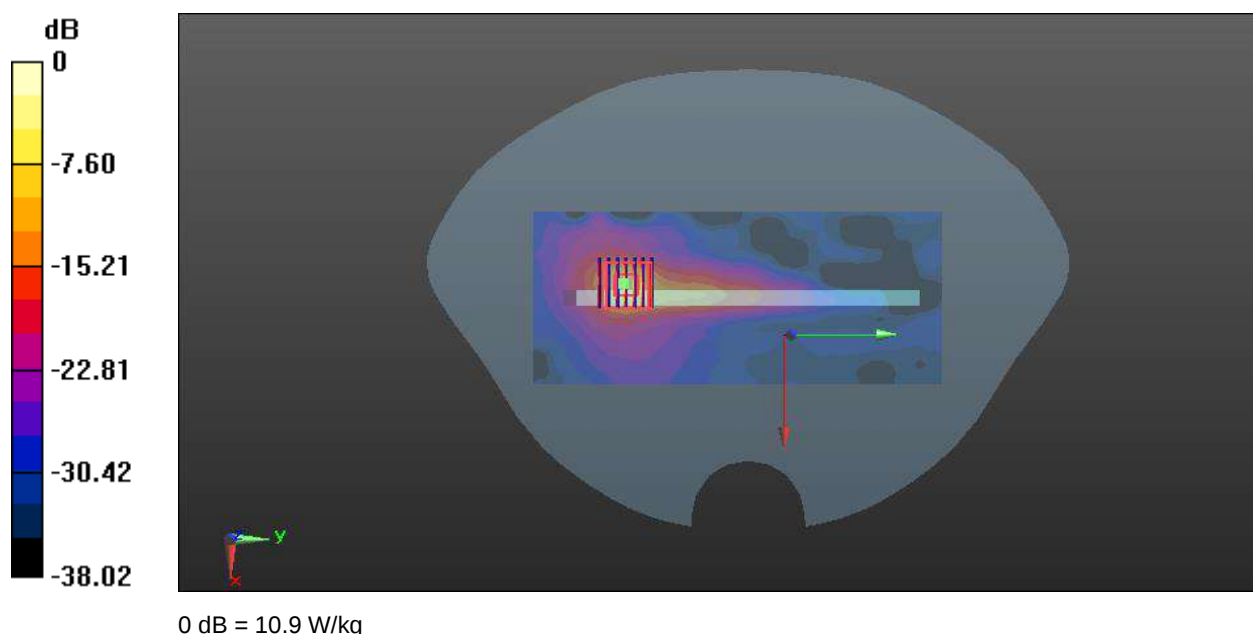
Ch140/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.159 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 33.0 W/kg

SAR(1 g) = 4.18 W/kg; SAR(10 g) = 0.718 W/kg

Maximum value of SAR (measured) = 10.9 W/kg



Meas.59 Body Plane with Left Edge 0mm on 151 Channel in IEEE802.11n40 mode with Antenna 22

Date: 2024.09.16

Communication System Band: 5.8G; Frequency: 5755 MHz; Duty Cycle: 1:1.124

Medium parameters used (interpolated): $f = 5755$ MHz; $\sigma = 5.162$ S/m; $\epsilon_r = 35.708$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

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

Ch151/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.24 W/kg

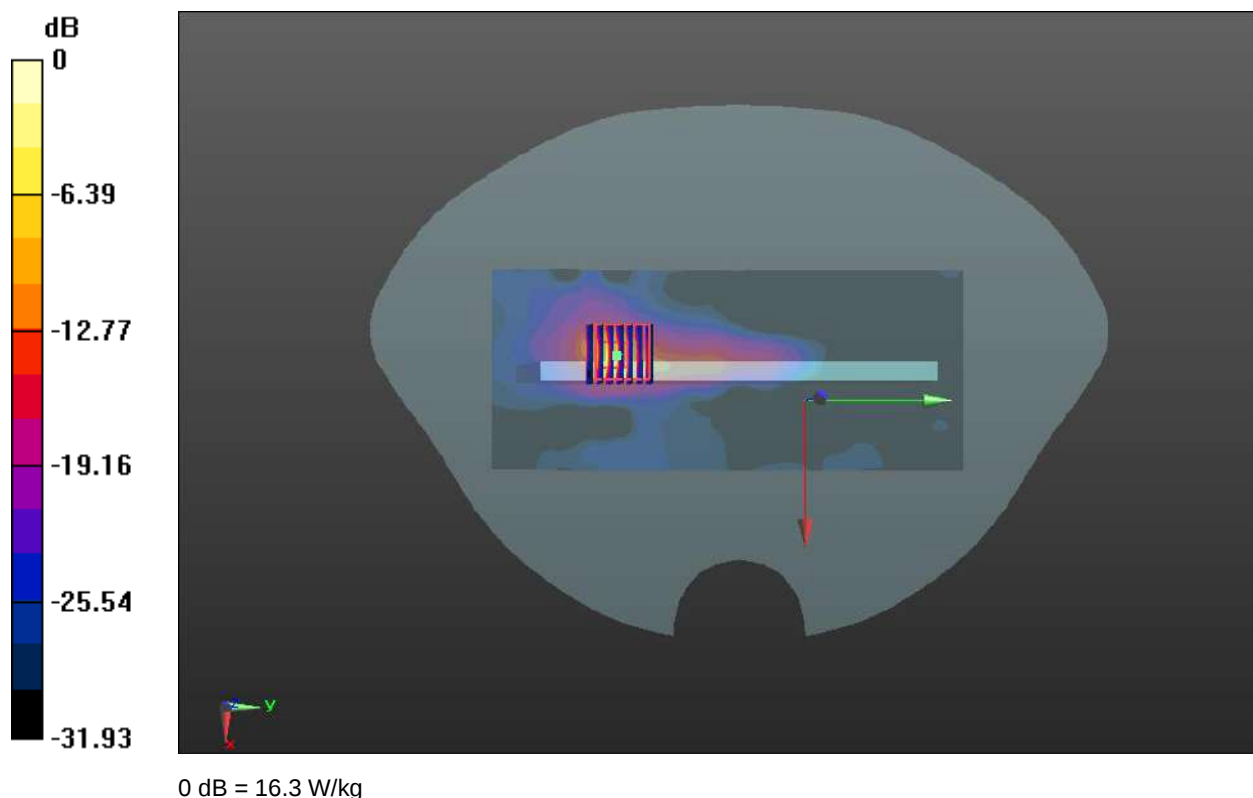
Ch151/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.450 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 49.4 W/kg

SAR(1 g) = 6.06 W/kg; SAR(10 g) = 1.05 W/kg

Maximum value of SAR (measured) = 16.3 W/kg



Meas.60 Right Head with Cheek on Middle Channel in LTE Band18 mode with Antenna 13

Date: 2024.09.02

Communication System Band: BAND 18; Frequency: 822.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 822.5$ MHz; $\sigma = 0.870$ S/m; $\epsilon_r = 41.836$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

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

Ch23925/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.823 W/kg

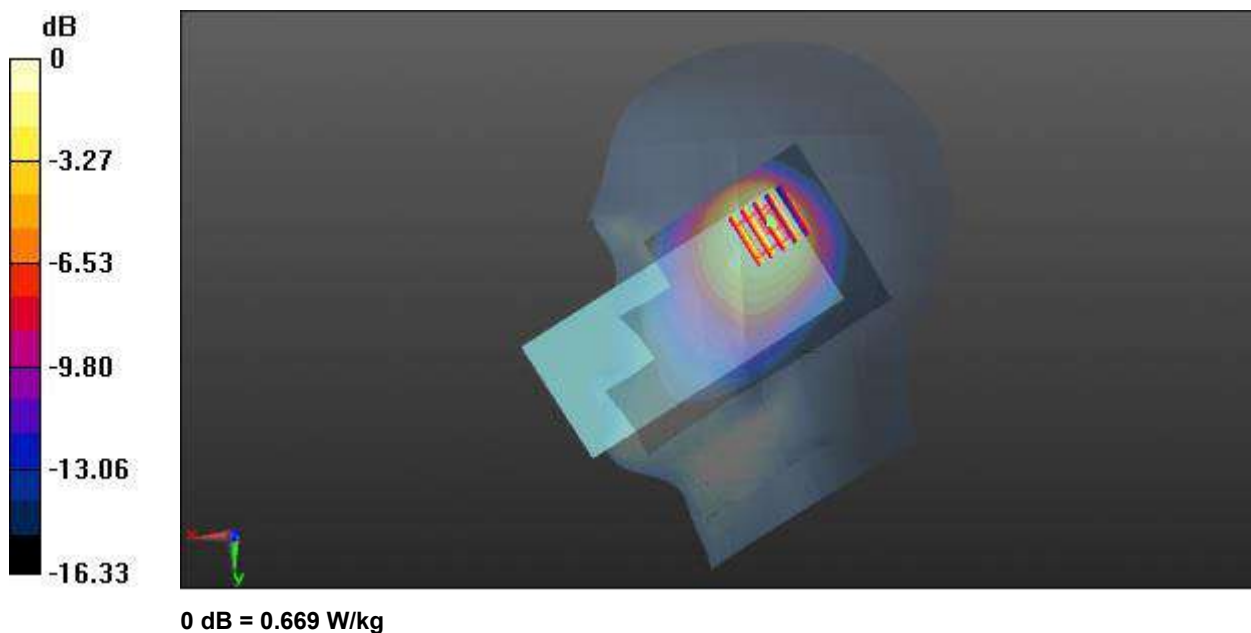
Ch23925/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.07 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.637 W/kg; SAR(10 g) = 0.404 W/kg

Maximum value of SAR (measured) = 0.669 W/kg



Meas.61 Body Plane with Back Side 15mm on Middle Channel in LTE Band18 mode with Antenna 13

Date: 2024.09.02

Communication System Band: BAND 18; Frequency: 822.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 822.5$ MHz; $\sigma = 0.870$ S/m; $\epsilon_r = 41.836$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch23925/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.128 W/kg

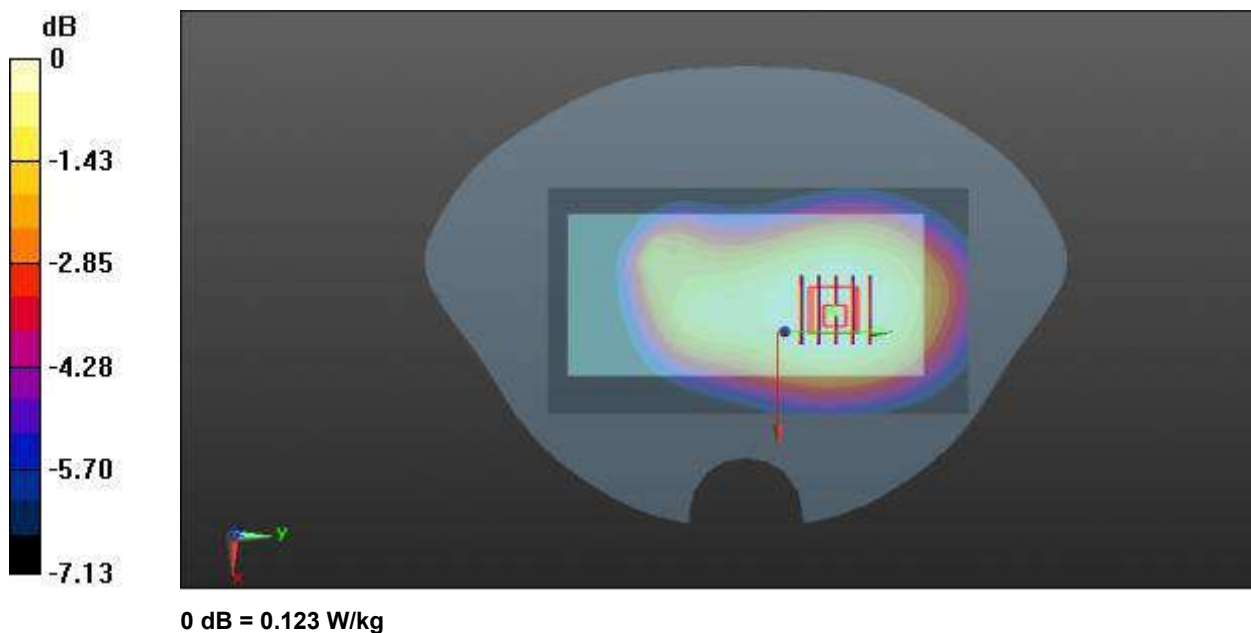
Ch23925/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.68 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.152 W/kg

SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.092 W/kg

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



Meas.62 Body Plane with Top Edge 10mm on Middle Channel in LTE Band18 mode with Antenna 13

Date: 2024.09.02

Communication System Band: BAND 18; Frequency: 822.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 822.5$ MHz; $\sigma = 0.870$ S/m; $\epsilon_r = 41.836$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

CH23925/Area Scan (51x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

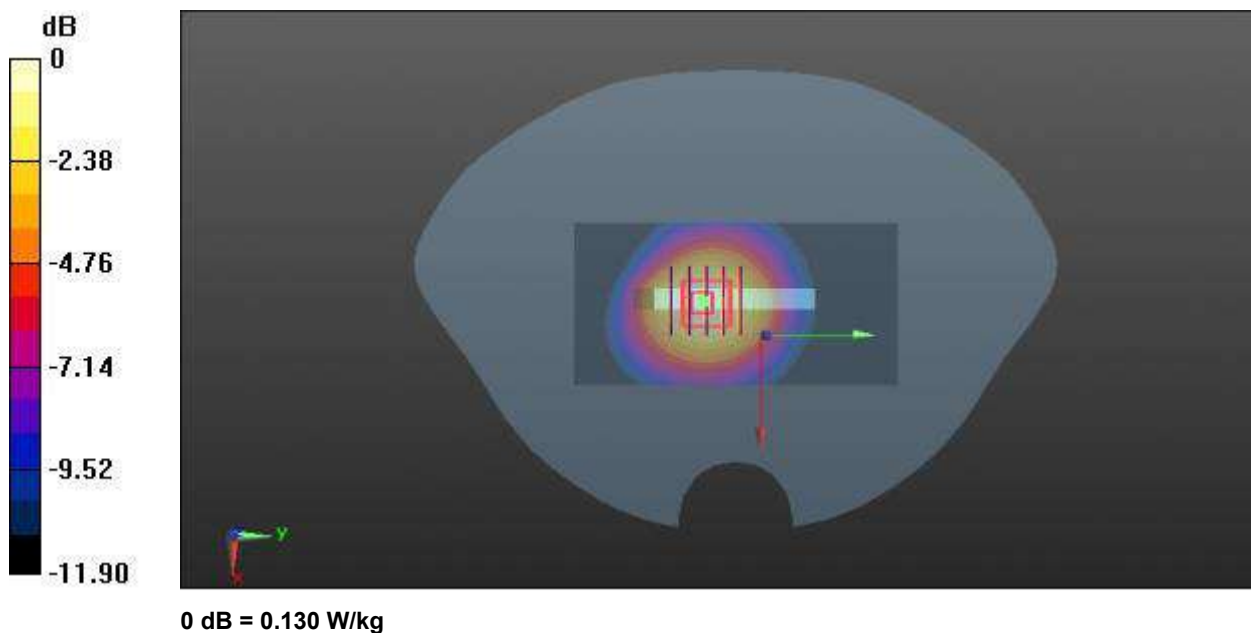
CH23925/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.22 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.188 W/kg

SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.077 W/kg

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



Meas.63 Right Head with Cheek on Middle Channel in LTE Band19 mode with Antenna 13

Date: 2024.09.03

Communication System Band: BAND 19; Frequency: 837.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 837.5$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 40.255$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.2°C

DASY5 Configuration:

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

Ch24075/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.819 W/kg

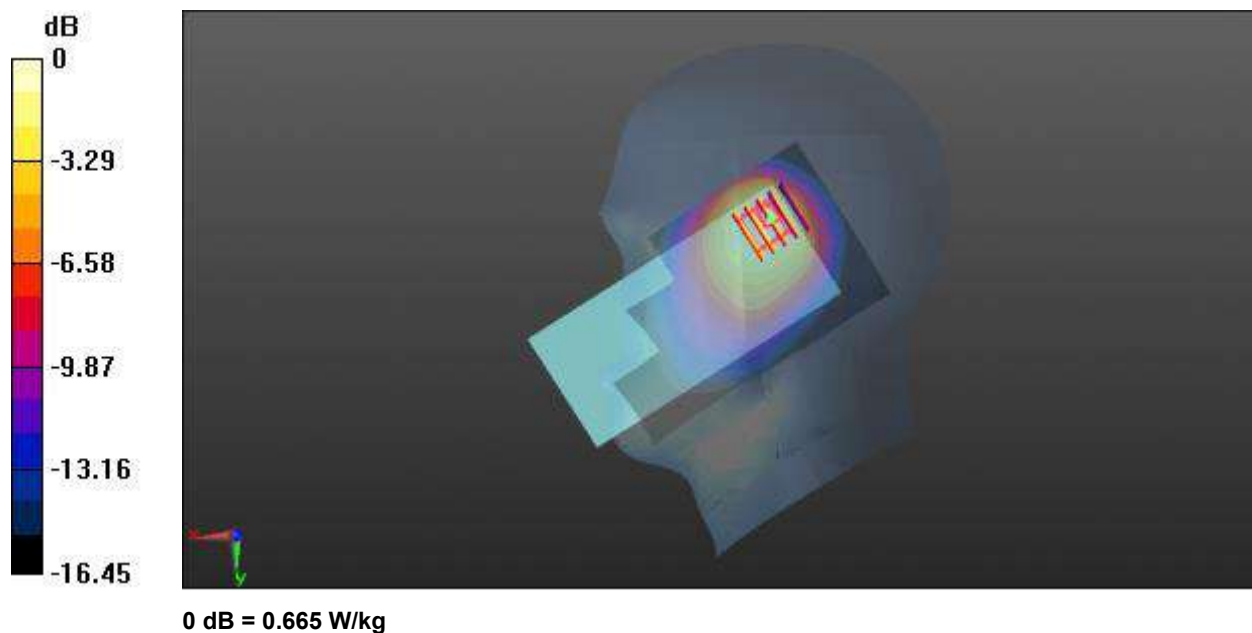
Ch24075/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.18 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.634 W/kg; SAR(10 g) = 0.398 W/kg

Maximum value of SAR (measured) = 0.665 W/kg



Meas.64 Body Plane with Back Side 15mm on Middle Channel in LTE Band19 mode with Antenna 13

Date: 2024.09.03

Communication System Band: BAND 19; Frequency: 837.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 837.5$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 40.255$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.2°C

DASY5 Configuration:

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

Ch24075/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.179 W/kg

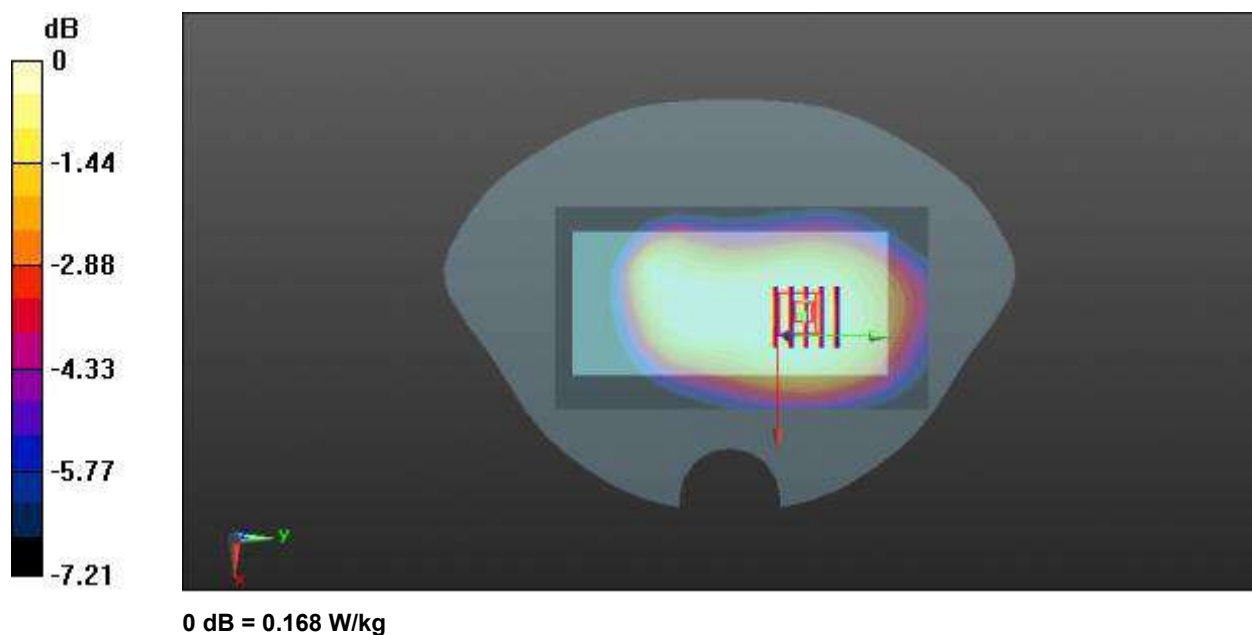
Ch24075/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.28 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.126 W/kg

Maximum value of SAR (measured) = 0.168 W/kg



Meas.65 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band19 mode with Antenna 13

Date: 2024.09.03

Communication System Band: BAND 19; Frequency: 837.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 837.5$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 40.255$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.2°C

DASY5 Configuration:

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

CH24075/Area Scan (51x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.257 W/kg

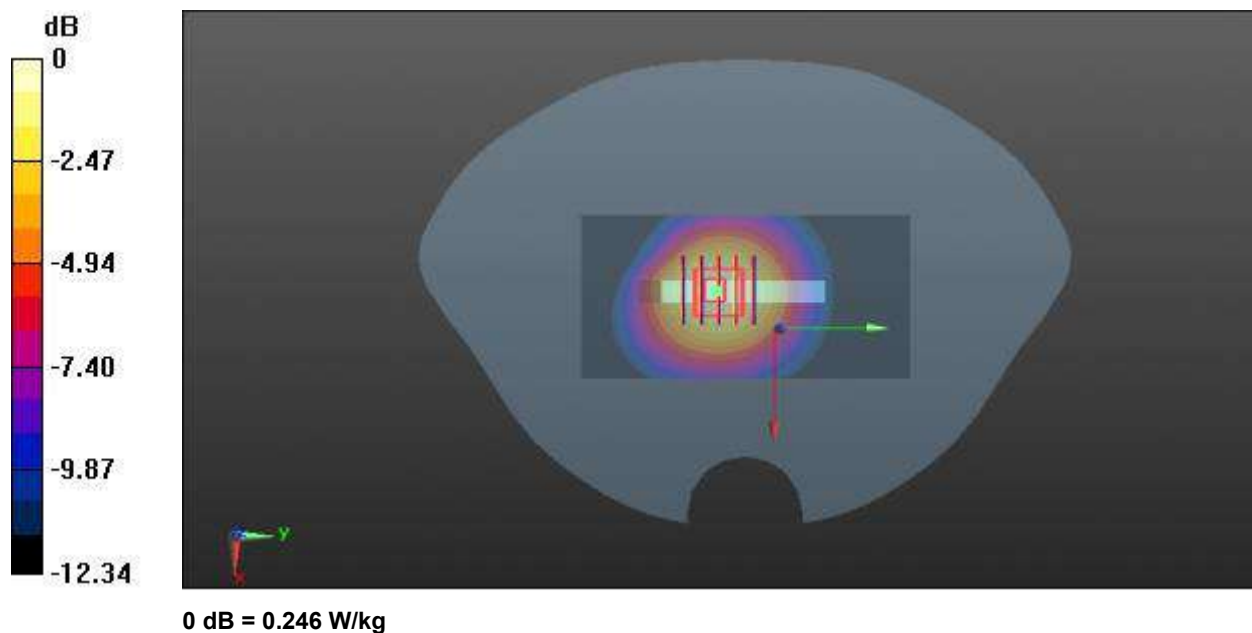
CH24075/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.57 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.140 W/kg

Maximum value of SAR (measured) = 0.246 W/kg



ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2481209-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2481209-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2481209-AC.pdf”.

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--END OF REPORT--