

TEST REPORT

Applicant: MEIZU TECHNOLOGY CO., LTD.
Address: MEIZU Tech Bldg, Technology & Innovation Coast,
Zhuhai, 519085, Guangdong, China
Equipment Type: Mobile Phone
Model Name: M412H
Brand Name: MEIZU
FCC ID: 2ANQ6-M412H
Test Standard: FCC 47 CFR Part 2.1093
(refer to section 3.1)
Maximum SAR: Head (1 g@0mm): 1.14 W/kg
Body-worn (1 g@15mm): 0.69 W/kg
Hotspot (1 g@10mm): 1.05 W/kg
Specific (10 g@0mm): 1.98 W/kg
Sample Arrival Date: May 07, 2024
Test Date: May 07, 2024 - Jun. 11, 2024
Date of Issue: Jun. 20, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Jun. 20, 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	MEIZU TECHNOLOGY CO., LTD.
Address	MEIZU Tech Bldg, Technology & Innovation Coast, Zhuhai, 519085, Guangdong, China

2.2 Manufacturer Information

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

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	M412H
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	V1.0
Software Version	Android 14
Dimensions (Approx.)	168.5*76.6*8.35mm
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	BA412
	Serial No.	N/A
	Capacity	Rated: 4850mAh/18.77Wh Typical: 4950mAh/19.16Wh
	Rated Voltage	3.87 V
	Limit Charge Voltage	4.45 V
	Manufacturer	Huizhou Highpower Technology Co., Ltd.

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/17/26/66 LTE TDD Band 38/41 Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20) 5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3, GPS, GLONASS, Galileo, BDS, NFC, FM Receiver
Note: The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.	

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

Operating Mode	GSM, WCDMA, LTE, 2.4G WLAN, 5G WLAN, Bluetooth; NFC		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 26	TX: 814 ~ 849 MHz	RX: 859 ~ 894 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	802.11b/g/n(HT20)	2412 ~ 2462 MHz	
	802.11a/ /n(HT20/HT40) /ac(VHT20/VHT40/ VHT80)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
Bluetooth	2402 ~ 2480 MHz		
NFC	13.56 MHz		
Antenna Type	WWAN: Loop Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna NFC: Coil 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	0.35	0.39	0.42	/	1.14	0.69	1.05	1.98
	GSM 1900	1.11	0.69	1.04	/				
	WCDMA Band 2	0.93	0.54	1.01	/				
	WCDMA Band 4	1.14	0.41	0.94	/				
	WCDMA Band 5	0.22	0.23	0.26	/				
	LTE Band 2	0.53	0.42	0.85	/				
	LTE Band 4	0.75	0.44	0.91	/				
	LTE Band 5	0.21	0.29	0.27	/				
	LTE Band 7	0.91	0.27	0.54	1.98				
	LTE Band 12	0.22	0.34	0.36	/				
	LTE Band 17	0.21	0.33	0.36	/				
	LTE Band 26	0.25	0.26	0.28	/				
	LTE Band 38	0.86	0.32	0.68	/				
	LTE Band 41	0.84	0.36	0.67	/				
	LTE Band 66	1.00	0.50	1.05	/				
DTS	2.4 G WIFI	0.99	0.15	0.28	/				
NII	5.2G WIFI	/	/	0.43	/				
	5.3G WIFI	1.09	0.32	/	1.01				
	5.6 G WIFI	1.10	0.38	/	1.06				
	5.8 G WIFI	0.74	0.32	0.37	/				
DSS	DH5	0.23	0.09	0.11	/				
Limit (W/kg)		1.60			4.00	1.60			4.00
Verdict		Pass							

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR (W/kg)			
	Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)
	1g SAR			10g SAR
PCE	1.59	1.16	1.41	2.45
DTS	1.57	0.83	1.34	1.98
NII	1.59	1.16	1.41	2.45
DSS	1.59	1.16	1.41	2.45
Limit (W/Kg)	1.60			4.00
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 13.2				

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 1.14 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 1.98 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:

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

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

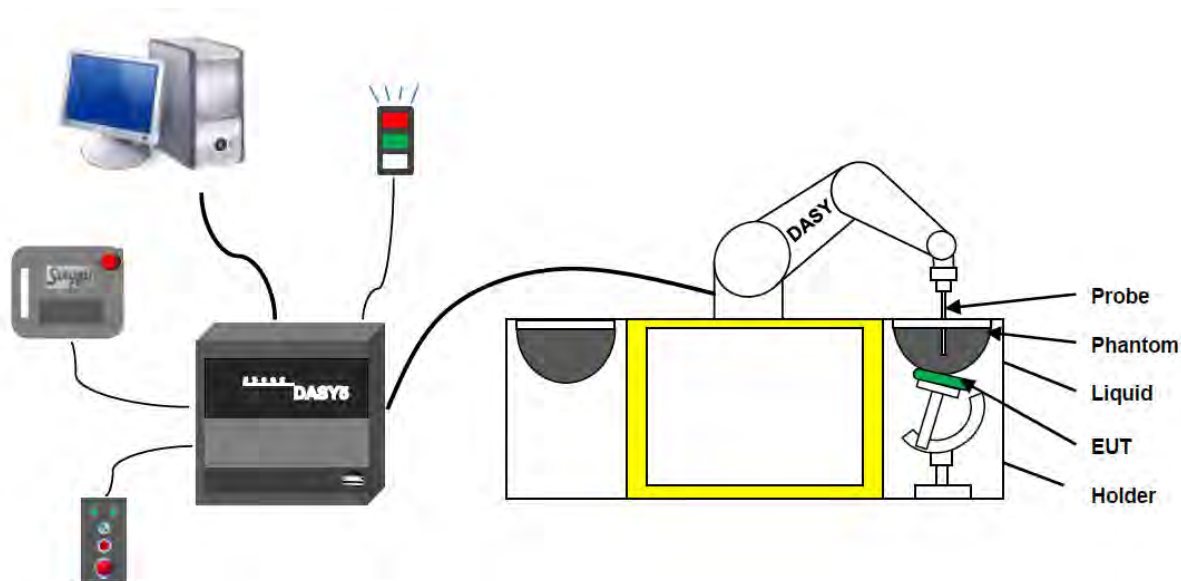
$$\text{SAR} = \frac{\sigma E^2}{\rho}$$

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: 7506 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

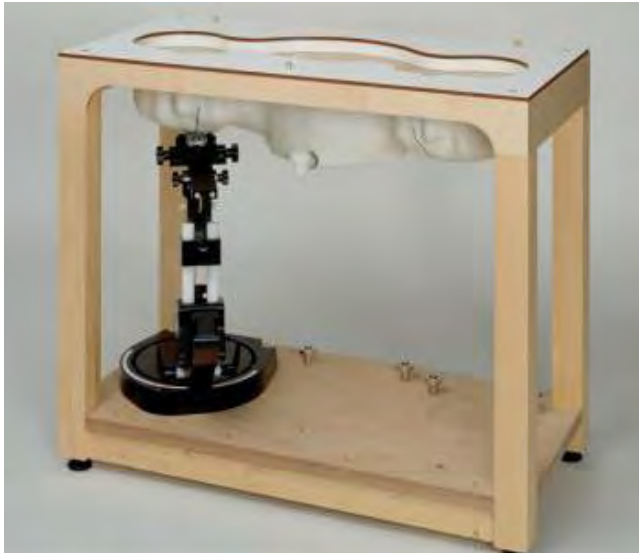
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through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



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

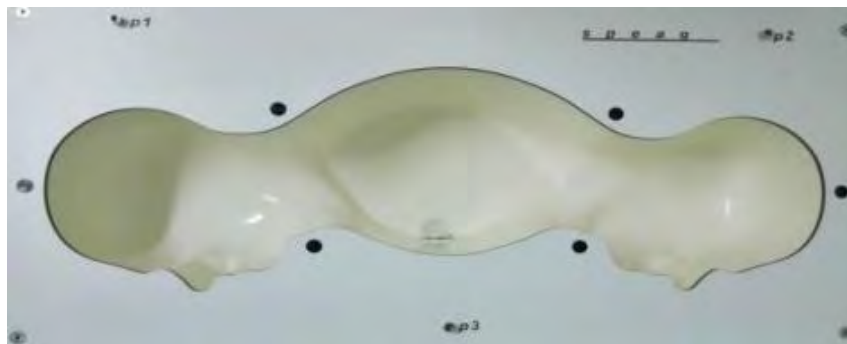
4.2.5 Phantoms

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 SN1857



Serial Number	Material	Length	Height
SN 1857 SAM	Vinylester, glass fiber reinforced	1000	500

4.2.6 Device Holder

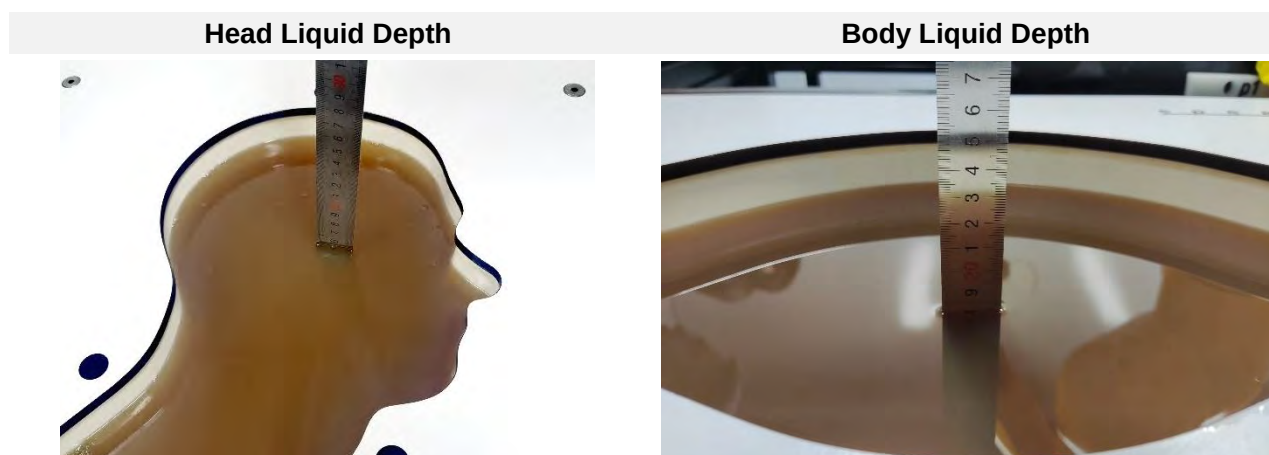
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. This device holder is used for standard mobile phones or PDA's only. If necessary an additional support of polystyrene material is used. Larger DUT's (e.g. notebooks) cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values. Therefore those devices are normally only tested at the flat part of the SAM.



The positioning system allows obtaining cheek and tilting position with a very good accuracy. Incompliance with CENELEC, the tilt angle uncertainty is lower than 1° .

4.2.7 Simulating Liquid

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5%.



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

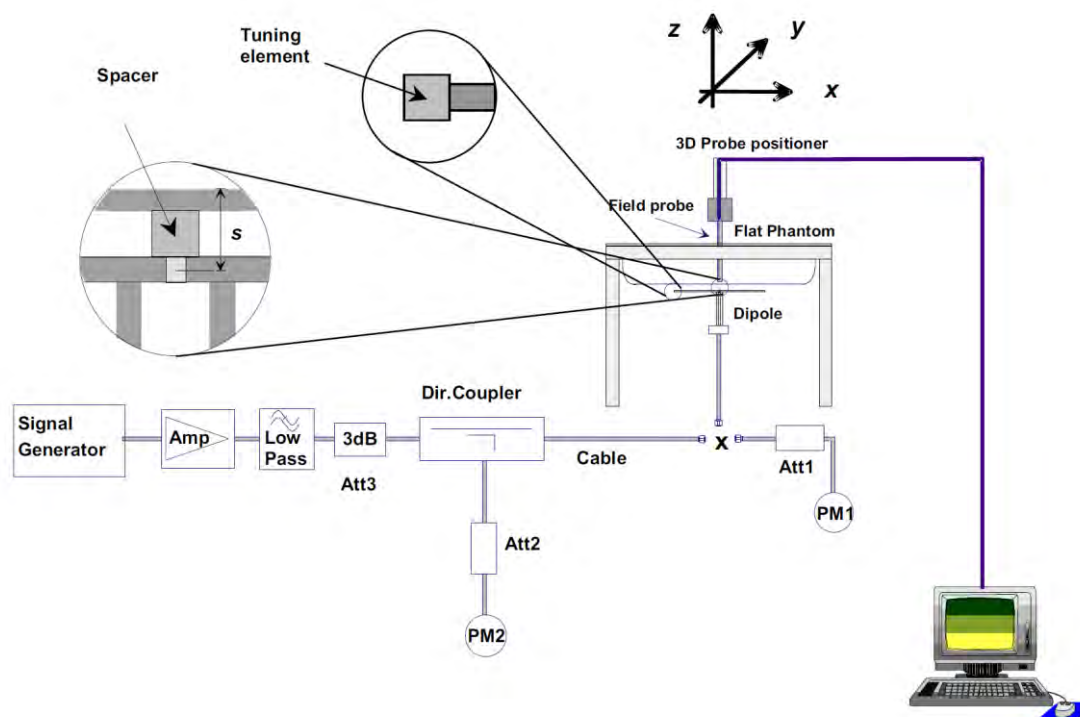
5 SYSTEM VERIFICATION

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

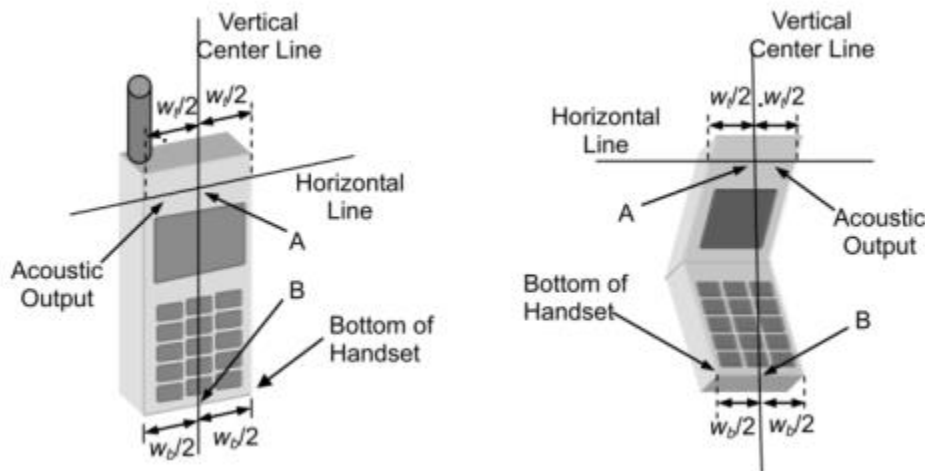
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

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.

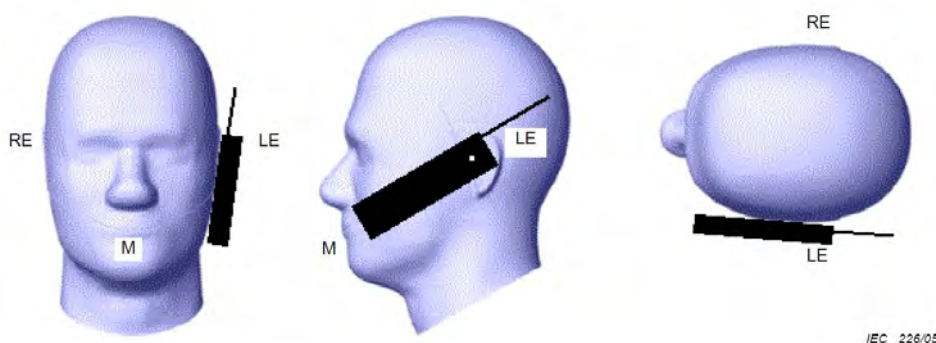
6.1.1 Two Imaginary Lines on the Handset

- 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

- (a) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.
- (b) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.



6.1.3 Tilted Position

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

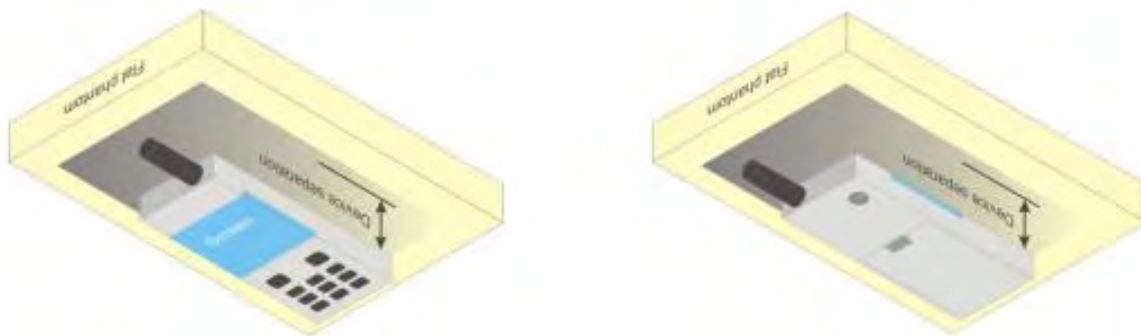


6.2 Body-worn Position Conditions

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

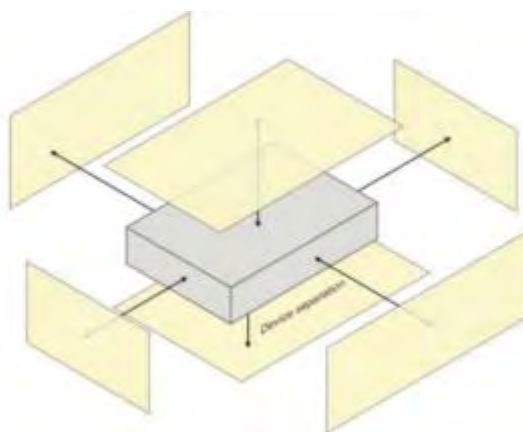
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



6.3 Hotspot Mode Exposure Position Conditions

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



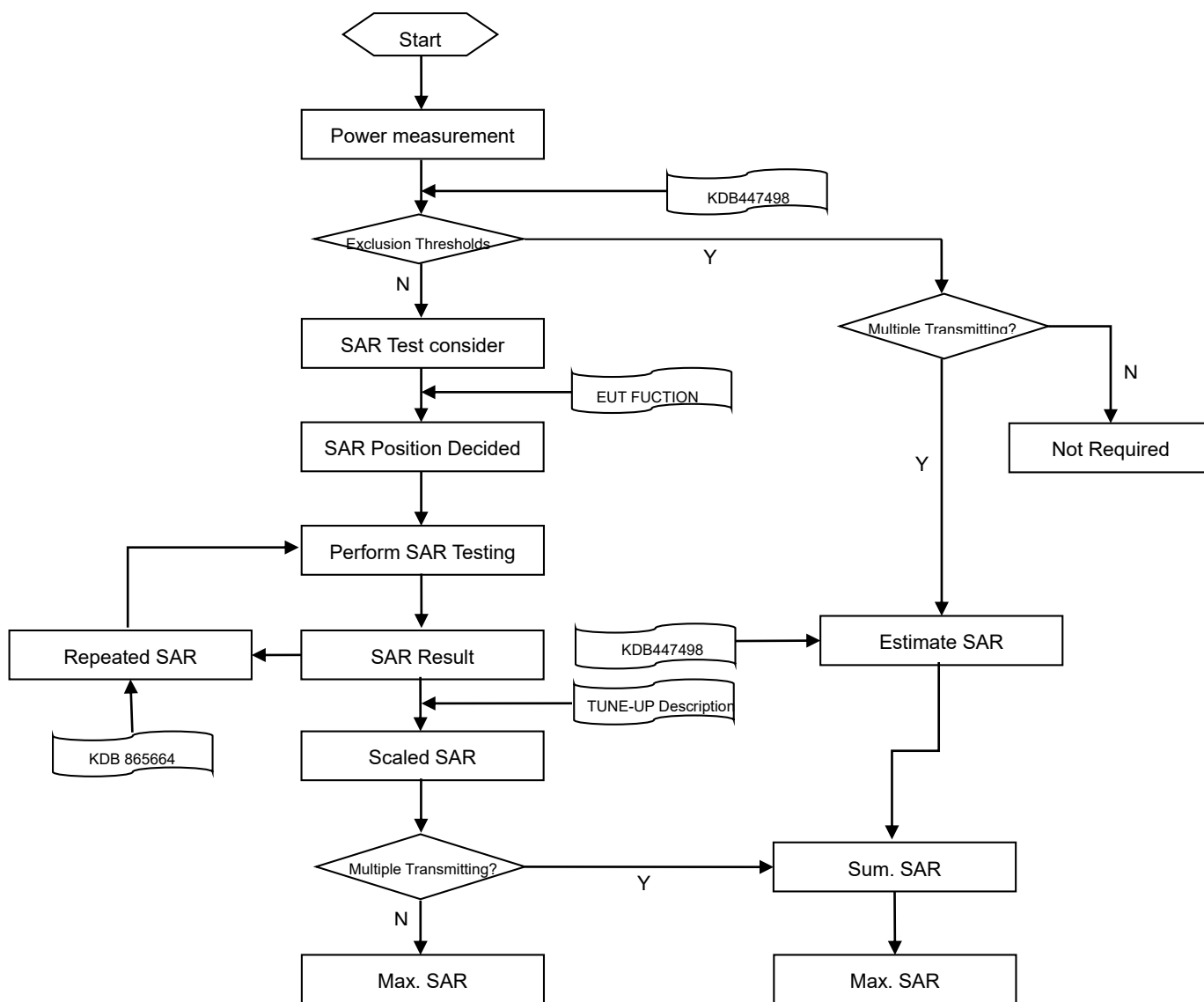
6.4 Product Specific 10g Exposure Consideration

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

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

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. 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.

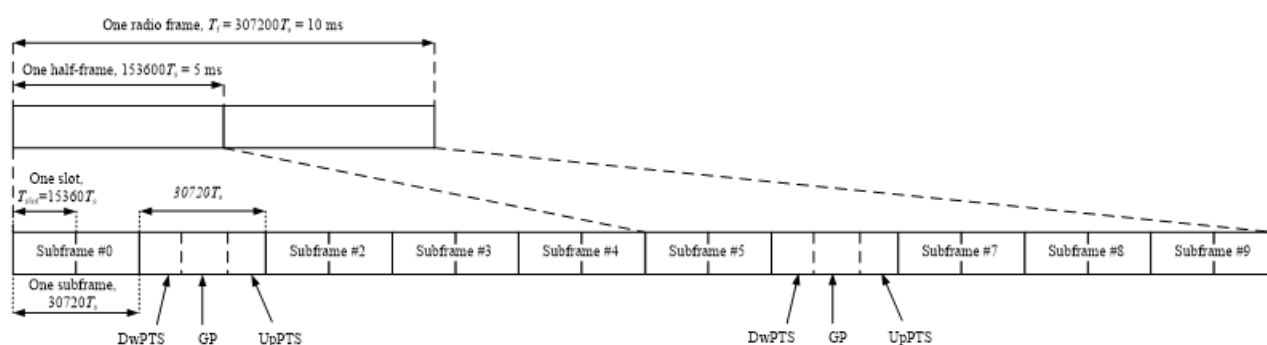
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

7.5 LTE(TDD) Considerations

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-SZ2450037-AP.pdf”.

8.2 WCDMA

Please refer the document “BL-SZ2450037-AP.pdf”.

8.3 LTE

Please refer the document “BL-SZ2450037-AP.pdf”.

8.4 WIFI

8.4.1 2.4G WIFI-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.50	17.50	Yes
		6	2437	16.73	17.50	Yes
		11	2462	16.87	17.50	Yes
	802.11g	1	2412	13.52	14.00	No
		6	2437	13.68	14.00	No
		11	2462	13.81	14.00	No
	802.11n(HT20)	1	2412	11.47	12.00	No
		6	2437	11.59	12.00	No
		11	2462	11.70	12.00	No

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.
Adjusted SAR = $0.988 * (25.12\text{mW}/56.23\text{mW}) = 0.441$ W/Kg, so 2.4G OFDM SAR test is not required.

8.4.2 2.4G WIFI-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.50	17.50	Yes
		6	2437	16.73	17.50	Yes
		11	2462	16.87	17.50	Yes
	802.11g	1	2412	13.52	14.00	No
		6	2437	13.68	14.00	No
		11	2462	13.81	14.00	No
	802.11n(HT20)	1	2412	11.47	12.00	No
		6	2437	11.59	12.00	No
		11	2462	11.70	12.00	No

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.
Adjusted SAR = $0.988 * (25.12\text{mW}/56.23\text{mW}) = 0.441$ W/Kg, so 2.4G OFDM SAR test is not required.

8.4.3 2.4G WIFI-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.50	17.50	No
		6	2437	16.73	17.50	No
		11	2462	16.87	17.50	Yes
	802.11g	1	2412	13.52	14.00	No
		6	2437	13.68	14.00	No
		11	2462	13.81	14.00	No
	802.11n(HT20)	1	2412	11.47	12.00	No
		6	2437	11.59	12.00	No
		11	2462	11.70	12.00	No

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.
Adjusted SAR = $0.282 * (25.12\text{mW}/56.23\text{mW}) = 0.126$ W/Kg, so 2.4G OFDM SAR test is not required.

8.4.4 5G WIFI-Full power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.31	13.50	Yes
		44	5220	13.13	13.50	No
		48	5240	13.21	13.50	No
	802.11n(HT20)	36	5180	11.62	12.00	No
		44	5220	11.44	12.00	No
		48	5240	11.44	12.00	No
	802.11n(HT40)	38	5190	11.66	12.00	No
		46	5230	11.37	12.00	No
	802.11ac(VHT20)	36	5180	10.64	11.00	No
		44	5220	10.45	11.00	No
		48	5240	10.41	11.00	No
	802.11ac(VHT40)	38	5190	10.64	11.00	No
		46	5230	10.37	11.00	No
	802.11ac(VHT80)	42	5210	10.35	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	13.24	13.50	Yes
		60	5300	13.13	13.50	Yes
		64	5320	13.00	13.50	Yes
	802.11n(HT20)	52	5260	11.52	12.00	No
		60	5300	11.51	12.00	No
		64	5320	11.31	12.00	No
	802.11n(HT40)	54	5270	11.55	12.00	No
		62	5310	11.42	12.00	No
	802.11ac(VHT20)	52	5260	10.58	11.00	No
		60	5300	10.58	11.00	No
		64	5320	10.42	11.00	No
	802.11ac(VHT40)	54	5270	10.65	11.00	No
		62	5310	10.52	11.00	No
	802.11ac(VHT80)	58	5290	10.61	11.00	No
5.6 (5.47~5.725)	802.11a	100	5500	13.19	13.50	Yes
		116	5580	13.22	13.50	Yes
		140	5700	13.35	13.50	Yes
	802.11n(HT20)	100	5500	11.55	12.00	No
		136	5680	11.88	12.00	No
		140	5700	11.66	12.00	No
	802.11n(HT40)	102	5510	11.79	12.00	No
		110	5550	11.70	12.00	No

		134	5670	11.65	12.00	No
	802.11ac(VHT20)	100	5500	10.55	11.00	No
		116	5580	10.57	11.00	No
		140	5700	10.74	11.00	No
	802.11ac(VHT40)	102	5510	10.55	11.00	No
		110	5550	10.43	11.00	No
		134	5670	10.81	11.00	No
	802.11ac(VHT80)	106	5530	10.75	11.00	No
		122	5610	10.66	11.00	No
	5.8 (5.725~5.850)	802.11a	149	5745	13.22	13.50
157			5785	13.31	13.50	Yes
165			5825	13.43	13.50	Yes
802.11n(HT20)		149	5745	11.74	12.00	No
		157	5785	11.84	12.00	No
		165	5825	11.95	12.00	No
802.11n(HT40)		151	5755	11.67	12.00	No
		159	5795	11.90	12.00	No
802.11ac(VHT20)		149	5745	10.79	11.00	No
		157	5785	10.89	11.00	No
		165	5825	10.45	11.00	No
802.11ac(VHT40)		151	5755	10.80	11.00	No
		159	5795	10.92	11.00	No
802.11ac(VHT80)		155	5775	10.50	11.00	No

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

8.4.5 5G WIFI-Level1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.31	13.50	No
		44	5220	13.13	13.50	No
		48	5240	13.21	13.50	No
	802.11n(HT20)	36	5180	11.62	12.00	No
		44	5220	11.44	12.00	No
		48	5240	11.44	12.00	No
	802.11n(HT40)	38	5190	11.66	12.00	No
		46	5230	11.37	12.00	No
	802.11ac(VHT20)	36	5180	10.64	11.00	No
		44	5220	10.45	11.00	No
		48	5240	10.41	11.00	No
	802.11ac(VHT40)	38	5190	10.64	11.00	No
		46	5230	10.37	11.00	No
	802.11ac(VHT80)	42	5210	10.35	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	13.24	13.50	Yes
		60	5300	13.13	13.50	Yes
		64	5320	13.00	13.50	Yes
	802.11n(HT20)	52	5260	11.52	12.00	No
		60	5300	11.51	12.00	No
		64	5320	11.31	12.00	No
	802.11n(HT40)	54	5270	11.55	12.00	No
		62	5310	11.42	12.00	No
	802.11ac(VHT20)	52	5260	10.58	11.00	No
		60	5300	10.58	11.00	No
		64	5320	10.42	11.00	No
	802.11ac(VHT40)	54	5270	10.65	11.00	No
		62	5310	10.52	11.00	No
	802.11ac(VHT80)	58	5290	10.61	11.00	No
5.6 (5.47~5.725)	802.11a	100	5500	13.19	13.50	Yes
		116	5580	13.22	13.50	Yes
		140	5700	13.35	13.50	Yes
	802.11n(HT20)	100	5500	11.55	12.00	No
		136	5680	11.88	12.00	No
		140	5700	11.66	12.00	No
	802.11n(HT40)	102	5510	11.79	12.00	No
		110	5550	11.70	12.00	No

		134	5670	11.65	12.00	No
	802.11ac(VHT20)	100	5500	10.55	11.00	No
		116	5580	10.57	11.00	No
		140	5700	10.74	11.00	No
	802.11ac(VHT40)	102	5510	10.55	11.00	No
		110	5550	10.43	11.00	No
		134	5670	10.81	11.00	No
	802.11ac(VHT80)	106	5530	10.75	11.00	No
		122	5610	10.66	11.00	No
	5.8 (5.725~5.850)	802.11a	149	5745	13.22	13.50
157			5785	13.31	13.50	Yes
165			5825	13.43	13.50	Yes
802.11n(HT20)		149	5745	11.74	12.00	No
		157	5785	11.84	12.00	No
		165	5825	11.95	12.00	No
802.11n(HT40)		151	5755	11.67	12.00	No
		159	5795	11.90	12.00	No
802.11ac(VHT20)		149	5745	10.79	11.00	No
		157	5785	10.89	11.00	No
		165	5825	10.45	11.00	No
802.11ac(VHT40)		151	5755	10.80	11.00	No
		159	5795	10.92	11.00	No
802.11ac(VHT80)		155	5775	10.50	11.00	No

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

8.4.6 5G WIFI-Level2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.31	13.50	Yes
		44	5220	13.13	13.50	No
		48	5240	13.21	13.50	No
	802.11n(HT20)	36	5180	11.62	12.00	No
		44	5220	11.44	12.00	No
		48	5240	11.44	12.00	No
	802.11n(HT40)	38	5190	11.66	12.00	No
		46	5230	11.37	12.00	No
	802.11ac(VHT20)	36	5180	10.64	11.00	No
		44	5220	10.45	11.00	No
		48	5240	10.41	11.00	No
	802.11ac(VHT40)	38	5190	10.64	11.00	No
		46	5230	10.37	11.00	No
	802.11ac(VHT80)	42	5210	10.35	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	13.24	13.50	Yes
		60	5300	13.13	13.50	No
		64	5320	13.00	13.50	No
	802.11n(HT20)	52	5260	11.52	12.00	No
		60	5300	11.51	12.00	No
		64	5320	11.31	12.00	No
	802.11n(HT40)	54	5270	11.55	12.00	No
		62	5310	11.42	12.00	No
	802.11ac(VHT20)	52	5260	10.58	11.00	No
		60	5300	10.58	11.00	No
		64	5320	10.42	11.00	No
	802.11ac(VHT40)	54	5270	10.65	11.00	No
		62	5310	10.52	11.00	No
	802.11ac(VHT80)	58	5290	10.61	11.00	No
5.6 (5.47~5.725)	802.11a	100	5500	13.19	13.50	No
		116	5580	13.22	13.50	No
		140	5700	13.35	13.50	Yes
	802.11n(HT20)	100	5500	11.55	12.00	No
		136	5680	11.88	12.00	No
		140	5700	11.66	12.00	No
	802.11n(HT40)	102	5510	11.79	12.00	No
		110	5550	11.70	12.00	No

	802.11ac(VHT20)	134	5670	11.65	12.00	No
		100	5500	10.55	11.00	No
		116	5580	10.57	11.00	No
		140	5700	10.74	11.00	No
	802.11ac(VHT40)	102	5510	10.55	11.00	No
		110	5550	10.43	11.00	No
		134	5670	10.81	11.00	No
	802.11ac(VHT80)	106	5530	10.75	11.00	No
		122	5610	10.66	11.00	No
	5.8 (5.725~5.850)	802.11a	149	5745	13.22	No
			157	5785	13.31	No
			165	5825	13.43	Yes
		802.11n(HT20)	149	5745	11.74	No
			157	5785	11.84	No
			165	5825	11.95	No
		802.11n(HT40)	151	5755	11.67	No
			159	5795	11.90	No
		802.11ac(VHT20)	149	5745	10.79	No
			157	5785	10.89	No
			165	5825	10.45	No
		802.11ac(VHT40)	151	5755	10.80	No
			159	5795	10.92	No
		802.11ac(VHT80)	155	5775	10.50	No

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

8.5 Bluetooth

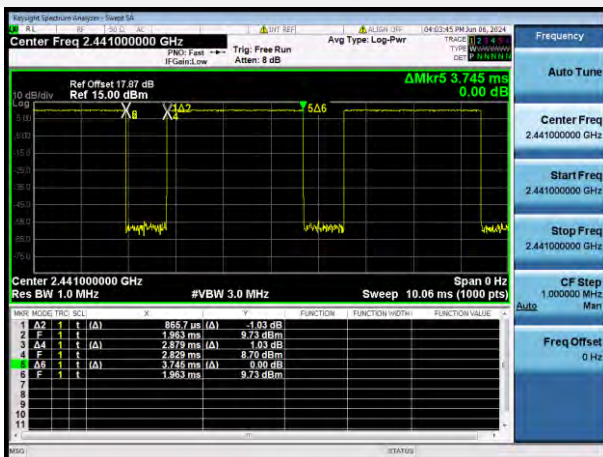
Mode	GFSK			$\pi/4$ -DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	10.50	10.51	11.00	8.92	8.25	8.02
Tune-Up Limit (dBm)	12.00	12.00	12.00	10.00	10.00	10.00
SAR Test Require	No	No	Yes	No	No	No
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	9.06	8.70	8.10	/	/	/
Tune-Up Limit (dBm)	10.00	10.00	10.00	/	/	/
SAR Test Require	No	No	No	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	1	19	38
Frequency (MHz)	2402	2440	2480	2404	2440	2478
Conducted Power (dBm)	0.54	0.66	-0.48	0.63	0.87	-0.36
Tune-Up Limit (dBm)	1.00	1.00	1.00	1.00	1.00	1.00
SAR Test Require	No	No	No	No	No	No

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

Note: The Bluetooth BT DH5 duty cycle is 76.88 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle

Bluetooth-GFSK



8.6 Power Reduction List

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

WWAN Reduced Power Level Table

Reduced Level	Sensor State	Receiver State	Transmitting Conditions	Antenna	Position
Level1	N/A	On (head scenario)	WWAN Use Only & WWAN + WLAN	Ant.0	Head
				Ant.1	
Level2	Sensor On	Off (Body scenario)	WWAN Use Only & WWAN + WLAN	Ant.0	Front Side; Back Side; Left Edge; Right Edge; Top Edge; Bottom Edge
				Ant.1	
Off	Sensor Off	Off (Body scenario)	WWAN Use Only & WWAN + WLAN	Ant.0	Front Side; Back Side; Left Edge; Right Edge; Top Edge; Bottom Edge
				Ant.1	
Note: The WWAN 2G/3G/4G up antenna includes antenna 1; The WWAN 2G/3G/4G down antenna includes antenna 0.					

WWAN Antenna Power Table

Mode	Antenna	WWAN Antenna							
		Full Power	Receiver on		Receiver off(Sensor On)				
			Head		Body-worn		Hotspot	Specific	
			Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Simultaneous transmission	Standalone	Simultaneous transmission
				+WLAN		+WLAN	+WLAN		+WLAN
		Off	Level1	Level1	Level2	Level2	Level2	Level2	Level2
GSM 850	Ant.0	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
GPRS850 1 Tx Slot	Ant.0	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
GPRS850 2 Tx Slot	Ant.0	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00
GPRS850 3 Tx Slot	Ant.0	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50
GPRS850 4 Tx Slot	Ant.0	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50
EGPRS850 1 Tx Slot	Ant.0	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 2 Tx Slot	Ant.0	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
EGPRS850 3 Tx Slot	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
EGPRS850 4 Tx Slot	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
GSM1900	Ant. 1	30.50	23.00	23.00	29.00	29.00	29.00	29.00	29.00
GPRS1900 1 Tx Slot	Ant. 1	30.50	23.00	23.00	29.00	29.00	29.00	29.00	29.00
GPRS1900 2 Tx Slot	Ant. 1	29.50	23.00	23.00	29.00	29.00	29.00	29.00	29.00
GPRS1900 3 Tx Slot	Ant. 1	27.50	23.00	23.00	27.50	27.50	27.50	27.50	27.50
GPRS1900 4 Tx Slot	Ant. 1	26.50	23.00	23.00	26.50	26.50	26.50	26.50	26.50
EGPRS1900 1 Tx Slot	Ant. 1	26.50	18.50	18.50	25.00	25.00	25.00	25.00	25.00
EGPRS1900 2 Tx Slot	Ant. 1	25.50	18.50	18.50	25.00	25.00	25.00	25.00	25.00
EGPRS1900 3 Tx Slot	Ant. 1	23.50	18.50	18.50	23.50	23.50	23.50	23.50	23.50
EGPRS1900 4 Tx Slot	Ant. 1	22.50	18.50	18.50	22.50	22.50	22.50	22.50	22.50
WCDMA Band2 RMC	Ant. 1	23.50	17.50	17.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-1	Ant. 1	22.50	16.50	16.50	22.50	22.50	22.50	22.50	22.50
HSDPA Subtest-2	Ant. 1	22.50	16.50	16.50	22.50	22.50	22.50	22.50	22.50
HSDPA Subtest-3	Ant. 1	22.50	16.50	16.50	22.50	22.50	22.50	22.50	22.50
HSDPA Subtest-4	Ant. 1	22.50	16.50	16.50	22.50	22.50	22.50	22.50	22.50
HSUPA Subtest-1	Ant. 1	20.50	14.50	14.50	20.50	20.50	20.50	20.50	20.50
HSUPA Subtest-2	Ant. 1	20.50	14.50	14.50	20.50	20.50	20.50	20.50	20.50
HSUPA Subtest-3	Ant. 1	21.50	15.50	15.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-4	Ant. 1	20.50	14.00	14.00	20.50	20.50	20.50	20.50	20.50
HSUPA Subtest-5	Ant. 1	21.50	15.50	15.50	21.50	21.50	21.50	21.50	21.50
WCDMA Band4 RMC	Ant. 1	23.50	18.50	18.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-1	Ant. 1	22.50	17.50	17.50	22.50	22.50	22.50	22.50	22.50

HSDPA Subtest-2	Ant. 1	22.50	17.50	17.50	22.50	22.50	22.50	22.50	22.50
HSDPA Subtest-3	Ant. 1	22.50	17.50	17.50	22.50	22.50	22.50	22.50	22.50
HSDPA Subtest-4	Ant. 1	22.50	17.50	17.50	22.50	22.50	22.50	22.50	22.50
HSUPA Subtest-1	Ant. 1	20.50	15.50	15.50	20.50	20.50	20.50	20.50	20.50
HSUPA Subtest-2	Ant. 1	20.50	15.50	15.50	20.50	20.50	20.50	20.50	20.50
HSUPA Subtest-3	Ant. 1	21.50	16.50	16.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-4	Ant. 1	20.50	15.00	15.00	20.50	20.50	20.50	20.50	20.50
HSUPA Subtest-5	Ant. 1	21.50	16.50	16.50	21.50	21.50	21.50	21.50	21.50
WCDMA Band5 RMC	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-1	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-2	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-3	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSDPA Subtest-4	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-1	Ant.0	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-2	Ant.0	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-3	Ant.0	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
HSUPA Subtest-4	Ant.0	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
HSUPA Subtest-5	Ant.0	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50
LTE Band2	Ant. 1	23.50	15.50	15.50	23.50	23.50	23.50	23.50	23.50
LTE Band4	Ant. 1	23.50	16.50	16.50	23.50	23.50	23.50	23.50	23.50
LTE Band5	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band7	Ant. 1	23.50	16.50	16.50	19.50	19.50	19.50	19.50	19.50
LTE Band12	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band17	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band26	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
LTE Band66	Ant. 1	23.50	17.50	17.50	23.50	23.50	23.50	23.50	23.50
LTE Band38	Ant. 1	23.50	18.50	18.50	23.50	23.50	23.50	23.50	23.50
LTE Band41	Ant. 1	23.50	18.50	18.50	23.50	23.50	23.50	23.50	23.50

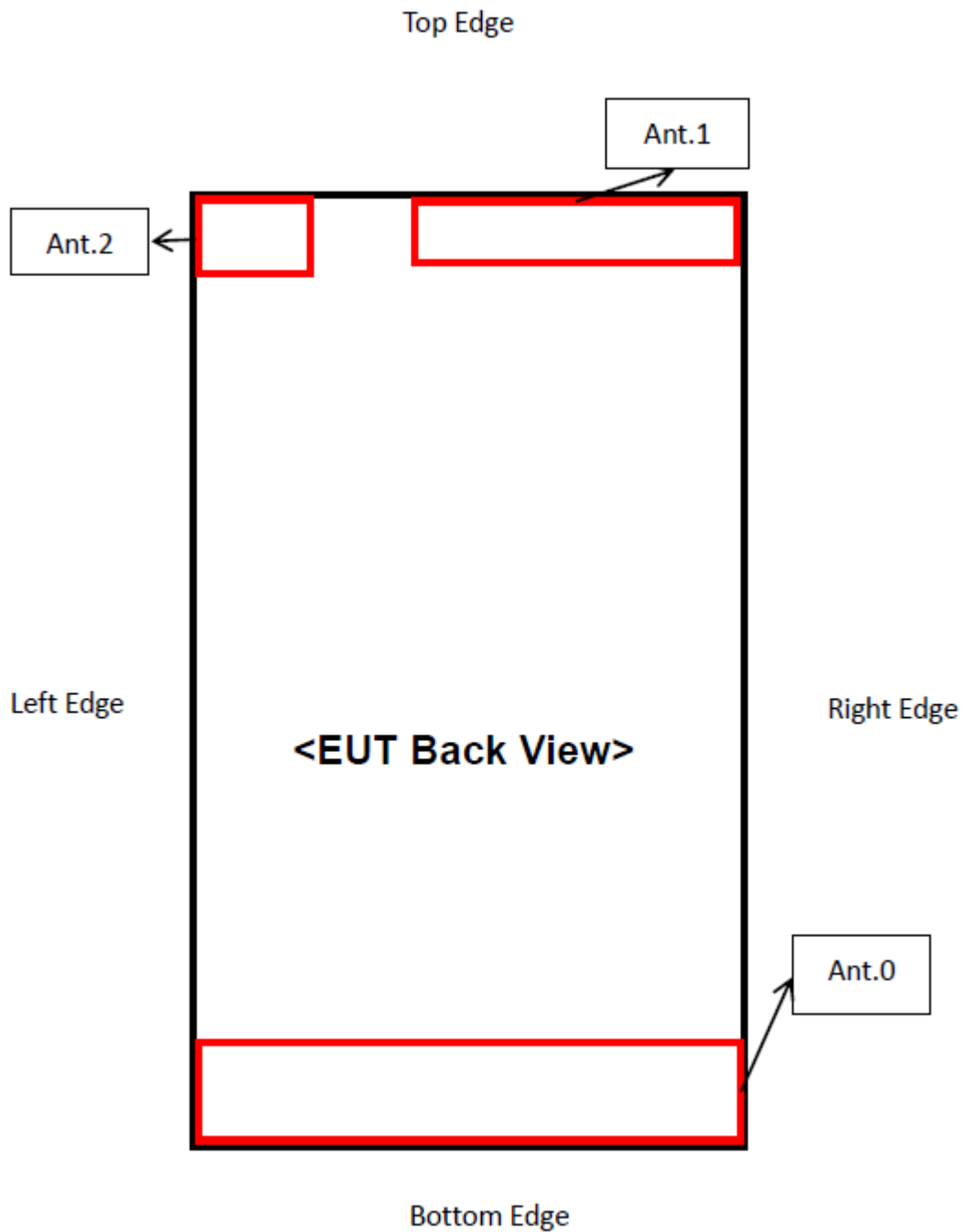
WLAN Reduced Power Level Table

Reduced Level	Receiver State	Transmitting Conditions	Antenna	Position
Level 1	On (head scenario)	WLAN & WWAN + WLAN	Ant.2	Head
Level 2	Off (Body scenario)	WLAN & WWAN + WLAN	Ant.2	Front Side; Back Side; Left Edge; Right Edge; Top Edge; Bottom Edge

WLAN Antenna Power Table

Mode	WLAN Antenna							
	Full Power	Receiver on		Receiver off				
		Head		Body-worn		Hotspot	Specific	
		Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Simultaneous transmission	Standalone	Simultaneous transmission
			+WWAN		+WWAN	+WWAN		+WWAN
	Off	Level1	Level1	Level2	Level2	Level2	Level2	Level2
2.4G WLAN 802.11b	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50
2.4G WLAN 802.11g	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
2.4G WLAN 802.11n20	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
5.2G WLAN 802.11a	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50
5.2G WLAN 802.11n20	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
5.2G WLAN 802.11n40	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
5.2G WLAN 802.11ac20	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
5.2G WLAN 802.11ac40	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
5.2G WLAN 802.11ac80	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
5.3G WLAN 802.11a	13.50	13.50	13.50	13.50	13.50	/	13.50	13.50
5.3G WLAN 802.11n20	12.00	12.00	12.00	12.00	12.00	/	12.00	12.00
5.3G WLAN 802.11n40	12.00	12.00	12.00	12.00	12.00	/	12.00	12.00
5.3G WLAN 802.11ac20	11.00	11.00	11.00	11.00	11.00	/	11.00	11.00
5.3G WLAN 802.11ac40	11.00	11.00	11.00	11.00	11.00	/	11.00	11.00
5.3G WLAN 802.11ac80	11.00	11.00	11.00	11.00	11.00	/	11.00	11.00
5.6G WLAN 802.11a	13.50	13.50	13.50	13.50	13.50	/	13.50	13.50
5.6G WLAN 802.11n20	12.00	12.00	12.00	12.00	12.00	/	12.00	12.00
5.6G WLAN 802.11n40	12.00	12.00	12.00	12.00	12.00	/	12.00	12.00
5.6G WLAN 802.11ac20	11.00	11.00	11.00	11.00	11.00	/	11.00	11.00
5.6G WLAN 802.11ac40	11.00	11.00	11.00	11.00	11.00	/	11.00	11.00
5.6G WLAN 802.11ac80	11.00	11.00	11.00	11.00	11.00	/	11.00	11.00
5.8G WLAN 802.11a	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50
5.8G WLAN 802.11n20	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
5.8G WLAN 802.11n40	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
5.8G WLAN 802.11ac20	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
5.8G WLAN 802.11ac40	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
5.8G LAN 802.11ac80	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
Bluetooth	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00

9 TEST EXCLUSION CONSIDERATION



Antenna	Description	Support Bands
Antenna 0	2/3/4G LB TX Antenna	GSM 850 WCDMA Band 5 LTE Band 5/12/17/26
Antenna 1	2/3/4G MHB TX Antenna	GSM 1900 WCDMA Band 2/4 LTE Band 2/4/7/66/38/41
Antenna 2	WLAN 2.4G TX Antenna WLAN 5G TX Antenna Bluetooth TX Antenna	2.4G WLAN 5G WLAN Bluetooth

Note 1: WWAN TX antennas for certain frequency band can switch automatically, but only one antenna can transmit at same time.

Note 2: Middle and High frequency Band (MHB).

Note 3: Low frequency Band (LB).

Antenna	Front Side (mm)	Back Side (mm)	Left Edge (mm)	Right Edge (mm)	Top Edge (mm)	Bottom Edge (mm)
Antenna 0	<25	<25	<25	<25	>25	<25
Antenna 1	<25	<25	<25	<25	<25	>25
Antenna 2	<25	<25	<25	>25	<25	>25

Note: Per KDB 941225 DO6, When the overall length and width of a device is > 9 cm *5 cm, a test separation distance of 10 mm is required for hotspot mode SAR measurements and hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.

9.1 SAR Test Exclusion Consideration Table

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

Antenna 0

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Front Side	Back Side	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	Voice	34.00	2511.89	Yes	Yes	Yes	Yes	No	Yes
	Data	34.00	2511.89	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 5	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 5	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 12	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 17	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 26	Distance to User			<25mm	<25mm	<25mm	<25mm	>25mm	<25mm
	QPSK	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes

Antenna 1

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Front Side	Back Side	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 1900	Distance to User			<25mm	<25mm	<25mm	<25mm	<25mm	>25mm
	Voice	30.50	1122.02	Yes	Yes	Yes	Yes	Yes	No
	Data	30.50	1122.02	Yes	Yes	Yes	Yes	Yes	No
WCDMA Band 2	Distance to User			<25mm	<25mm	<25mm	<25mm	<25mm	>25mm
	RMC	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
WCDMA Band 4	Distance to User			<25mm	<25mm	<25mm	<25mm	<25mm	>25mm
	RMC	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 2	Distance to User			<25mm	<25mm	<25mm	<25mm	<25mm	>25mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 4	Distance to User			<25mm	<25mm	<25mm	<25mm	<25mm	>25mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 7	Distance to User			<25mm	<25mm	<25mm	<25mm	<25mm	>25mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 66	Distance to User			<25mm	<25mm	<25mm	<25mm	<25mm	>25mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 38	Distance to User			<25mm	<25mm	<25mm	<25mm	<25mm	>25mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 41	Distance to User			<25mm	<25mm	<25mm	<25mm	<25mm	>25mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No

Antenna 2

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Front Side	Back Side	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 2.4 G	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11b	17.50	56.23	Yes	Yes	Yes	No	Yes	No
	802.11g	14.00	25.12	No	No	No	No	No	No
	802.11n(HT20)	12.00	15.85	No	No	No	No	No	No
WLAN 5.2 G	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11a	13.50	22.39	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	12.00	15.85	No	No	No	No	No	No
	802.11n(HT40)	12.00	15.85	No	No	No	No	No	No
	802.11ac(VHT20)	11.00	12.59	No	No	No	No	No	No
	802.11ac(VHT40)	11.00	12.59	No	No	No	No	No	No
	802.11ac(VHT80)	11.00	12.59	No	No	No	No	No	No
WLAN 5.3 G	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11a	13.50	22.39	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	12.00	15.85	No	No	No	No	No	No
	802.11n(HT40)	12.00	15.85	No	No	No	No	No	No
	802.11ac(VHT20)	11.00	12.59	No	No	No	No	No	No
	802.11ac(VHT40)	11.00	12.59	No	No	No	No	No	No
	802.11ac(VHT80)	11.00	12.59	No	No	No	No	No	No
WLAN 5.6 G	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11a	13.50	22.39	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	12.00	15.85	No	No	No	No	No	No
	802.11n(HT40)	12.00	15.85	No	No	No	No	No	No
	802.11ac(VHT20)	11.00	12.59	No	No	No	No	No	No
	802.11ac(VHT40)	11.00	12.59	No	No	No	No	No	No
	802.11ac(VHT80)	11.00	12.59	No	No	No	No	No	No
WLAN 5.8 G	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	802.11a	13.50	22.39	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	12.00	15.85	No	No	No	No	No	No
	802.11n(HT40)	12.00	15.85	No	No	No	No	No	No
	802.11ac(VHT20)	11.00	12.59	No	No	No	No	No	No
	802.11ac(VHT40)	11.00	12.59	No	No	No	No	No	No
	802.11ac(VHT80)	11.00	12.59	No	No	No	No	No	No
Bluetooth	Distance to User			<25mm	<25mm	<25mm	>25mm	<25mm	>25mm
	BR+EDR	12.00	15.85	Yes	Yes	Yes	No	Yes	No
	BLE	1.00	1.26	No	No	No	No	No	No

Note:

1. Maximum power is the source-based time-average power and represents the maximum RF output power including tune-up tolerance among production units
2. Per KDB 447498 D04, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
3. Per KDB 447498 D04, standalone SAR test exclusion threshold is applied; If the distance of the antenna to the user is < 5mm, 5mm is used to determine SAR exclusion threshold
4. Per KDB 447498 D04, for separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive), the threshold Pth (mW) is given by Following:

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

where

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

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

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

5. Per KDB 941225 D01, RMC 12.2kbps setting is used to evaluate SAR. If HSDPA /HSUPA /DC-HSDPA output power is < 0.25dB higher than RMC12.2Kbps, or reported SAR with RMC 12.2kbps setting is $\leq 1.2W/kg$, HSDPA/HSUPA/DC-HSDPA SAR evaluation can be excluded.
6. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion.8. For each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of these configurations is less than 1/4dB higher than those measured at the lowest data rate
7. Per KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions.
 - a. When KDB Publication 447498 D04 SAR test exclusion applies to the OFDM configuration.
 - b. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is $\leq 1.2 W/kg$.
8. Per KDB 248227 D01 SAR is not required for the following U-NII-1 and U-NII-2A bands conditions.
 - a. When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is $\leq 1.2 W/kg$, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.
 - b. When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is $\leq 1.2 W/kg$, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, each band is tested independently for SAR.

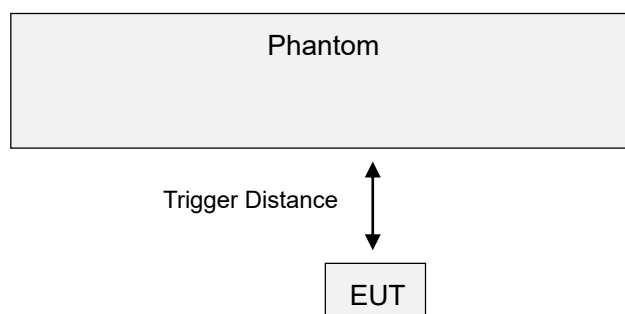
10 PROXIMITY SENSOR TRIGGERING TEST

10.1 Procedures for determining proximity sensor distance

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

Proximity sensor triggering distance testing was performed, EUT moving further away from the phantom and EUT moving toward the phantom were both assessed, and the shortest triggering distances were reported and used for SAR assessment. Note that while sensor is failed and it sets the output power to the lowest one in the sensor trigger state ,to make sure the SAR requirements can still be satisfied.

10.1.1 proximity sensor



EUT moving toward Phantom

Distance in mm	1~25	26	27	28	29	30	31	32	33	34	35~40
Front Side	On	On	On	On	On	On	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	Off	Off	Off	Off	Off
Right Edge	On	On	On	On	On	On	Off	Off	Off	Off	Off
Top Edge	On	On	On	On	On	On	Off	Off	Off	Off	Off

Note: Power reduction is only applicable for ANT1.

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

ANT1 of proximity sensor

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

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

The influence of EUT tilt angles to proximity sensor triggering was determined by positioning each EUT edge that contains a transmitting antenna 1, perpendicular to the flat phantom, at 30 mm separation for the front side, at 30 mm separation for the back side, at 30 mm separation for the right edge and 30 mm separation for the top edge.

Rotating the EUT around the edge next to the phantom in $\leq 10^\circ$ increments until the EUT is $\pm 45^\circ$ from the vertical position at 0° , and the maximum output power remains in the reduced mode.

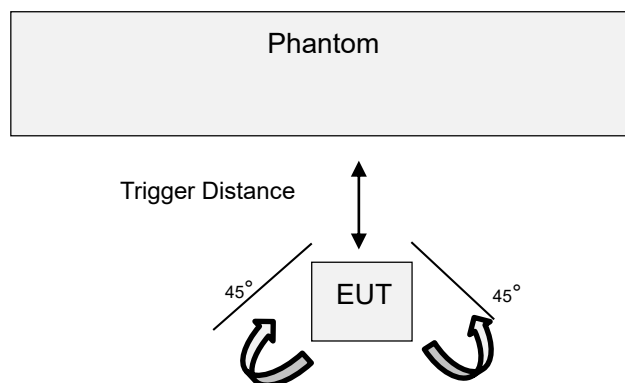


Table: Summary of Phone Tilt Angle Influence to Proximity Sensor Triggering(Left/Right/Top/Bottom edge)

Antenna	Position	Minimum trigger distance at which power reduction was maintained over $\pm 45^\circ$	Power Reduction Status										
			-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
ANT1	Right Edge	30mm	on	on	on	on	on	on	on	on	on	on	on
ANT1	Top Edge	30mm	on	on	on	on	on	on	on	on	on	on	on

11 TEST RESULT

11.1 GSM 850

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head													
Ant.0	Level1	GPRS 2slots	Left Cheek	0	128	824.2	0.06	0.256	31.97	33.00	1.268	0.325	/
	Level1		Left Tilt	0	128	824.2	0.06	0.170	31.97	33.00	1.268	0.216	/
	Level1		Right Cheek	0	128	824.2	-0.09	0.278	31.97	33.00	1.268	0.353	1#
	Level1		Right Tilt	0	128	824.2	0.06	0.165	31.97	33.00	1.268	0.209	/
Body-Worn													
Ant.0	Level2	GPRS 2slots	Front Side	15	128	824.2	0.03	0.260	31.97	33.00	1.268	0.330	/
	Level2		Back Side	15	128	824.2	-0.02	0.308	31.97	33.00	1.268	0.391	2#
Hotspot													
Ant.0	Level2	GPRS 2slots	Front Side	10	128	824.2	-0.10	0.265	31.97	33.00	1.268	0.336	/
	Level2		Back Side	10	128	824.2	-0.01	0.328	31.97	33.00	1.268	0.416	3#
	Level2		Left Edge	10	128	824.2	-0.06	0.285	31.97	33.00	1.268	0.361	/
	Level2		Right Edge	10	128	824.2	-0.03	0.290	31.97	33.00	1.268	0.368	/
	Level2		Bottom Edge	10	128	824.2	0.08	0.079	31.97	33.00	1.268	0.100	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.2 GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head													
Ant.1	Level1	GPRS 4slots	Left Cheek	0	512	1850.2	0.03	0.334	22.26	23.00	1.186	0.396	/
	Level1		Left Tilt	0	512	1850.2	-0.11	0.228	22.26	23.00	1.186	0.270	/
	Level1		Right Cheek	0	512	1850.2	-0.02	0.937	22.26	23.00	1.186	1.111	4#
	Level1		Right Tilt	0	512	1850.2	-0.02	0.646	22.26	23.00	1.186	0.766	/
	Level1		Right Cheek	0	661	1880	0.15	0.886	22.05	23.00	1.245	1.103	/
	Level1		Right Cheek	0	810	1909.8	0.03	0.874	22.05	23.00	1.245	1.088	/
Body-Worn													
Ant.1	Level2	GPRS	Front Side	15	512	1850.2	-0.04	0.229	25.78	26.50	1.180	0.270	/
	Level2	4slots	Back Side	15	512	1850.2	-0.03	0.583	25.78	26.50	1.180	0.688	5#
Hotspot													
Ant.1	Level2	GPRS	Front Side	10	512	1850.2	-0.08	0.615	25.78	26.50	1.180	0.726	/
	Level2	4slots	Back Side	10	512	1850.2	-0.06	0.877	25.78	26.50	1.180	1.035	6#
	Off	GPRS 2slots	Left Edge	10	512	1850.2	0.11	0.065	28.74	29.50	1.191	0.077	/
	Level2	GPRS 4slots	Right Edge	10	512	1850.2	0.08	0.580	25.78	26.50	1.180	0.684	/
	Level2		Top Edge	10	512	1850.2	0.10	0.439	25.78	26.50	1.180	0.518	/
	Level2		Back Side	10	661	1880	0.04	0.713	25.53	26.50	1.250	0.891	/
	Level2		Back Side	10	810	1909.8	0.12	0.785	25.76	26.50	1.186	0.931	/
Body(Sensor Off)													
Ant.1	Off	GPRS 2slots	Front Side	29	512	1850.2	0.11	0.089	28.74	29.50	1.191	0.106	/
	Off		Back Side	29	512	1850.2	0.06	0.116	28.74	29.50	1.191	0.138	/
	Off		Right Edge	29	512	1850.2	0.01	0.077	28.74	29.50	1.191	0.092	/
	Off		Top Edge	29	512	1850.2	-0.02	0.076	28.74	29.50	1.191	0.091	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.3WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head													
Ant.1	Level1	RMC	Left Cheek	0	9538	1907.6	0.00	0.241	17.24	17.50	1.062	0.256	/
	Level1		Left Tilt	0	9538	1907.6	-0.09	0.195	17.24	17.50	1.062	0.207	/
	Level1		Right Cheek	0	9538	1907.6	-0.04	0.877	17.24	17.50	1.062	0.931	7#
	Level1		Right Tilt	0	9538	1907.6	-0.01	0.624	17.24	17.50	1.062	0.663	/
	Level1		Right Cheek	0	9262	1852.4	-0.02	0.779	16.80	17.50	1.175	0.915	/
	Level1		Right Cheek	0	9400	1880	0.13	0.750	16.71	17.50	1.199	0.899	/
Body-Worn													
Ant.1	Level2	RMC	Front Side	15	9538	1907.6	0.06	0.300	23.01	23.50	1.119	0.336	/
	Level2		Back Side	15	9538	1907.6	0.01	0.478	23.01	23.50	1.119	0.535	8#
Hotspot													
Ant.1	Level2	RMC	Front Side	10	9400	1880	-0.10	0.564	23.01	23.50	1.119	0.631	/
	Level2		Back Side	10	9400	1880	0.05	0.903	23.01	23.50	1.119	1.010	9#
	Level2		Left Edge	10	9400	1880	0.05	0.085	23.01	23.50	1.119	0.095	/
	Level2		Right Edge	10	9400	1880	0.03	0.405	23.01	23.50	1.119	0.453	/
	Level2		Top Edge	10	9400	1880	0.14	0.385	23.01	23.50	1.119	0.431	/
	Level2		Back Side	10	9262	1852.4	0.03	0.776	23.56	23.50	0.986	0.765	/
	Level2		Back Side	10	9538	1907.6	-0.02	0.800	22.62	23.50	1.225	0.980	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.4WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head													
Ant.1	Level1	RMC	Left Cheek	0	1312	1712.4	0.16	0.311	17.94	18.50	1.138	0.354	/
	Level1		Left Tilt	0	1312	1712.4	0.04	0.232	17.94	18.50	1.138	0.264	/
	Level1		Right Cheek	0	1312	1712.4	-0.13	0.923	17.94	18.50	1.138	1.050	/
	Level1		Right Tilt	0	1312	1712.4	0.11	0.801	17.94	18.50	1.138	0.912	/
	Level1		Right Cheek	0	1412	1732.4	-0.03	0.956	17.73	18.50	1.194	1.141	10#
	Level1		Right Cheek	0	1513	1752.6	-0.11	0.875	17.46	18.50	1.271	1.112	/
	Level1		Right Tilt	0	1412	1732.4	-0.01	0.807	17.73	18.50	1.194	0.964	/
	Level1		Right Tilt	0	1513	1752.6	0.12	0.756	17.46	18.50	1.271	0.961	/
Body-Worn													
Ant.1	Level2	RMC	Front Side	15	1412	1732.4	0.14	0.209	22.59	23.50	1.233	0.258	/
	Level2		Back Side	15	1412	1732.4	-0.16	0.332	22.59	23.50	1.233	0.409	11#
Hotspot													
Ant.1	Level2	RMC	Front Side	10	1412	1732.4	-0.02	0.448	22.59	23.50	1.233	0.552	/
	Level2		Back Side	10	1412	1732.4	-0.07	0.758	22.59	23.50	1.233	0.935	12#
	Level2		Left Edge	10	1412	1732.4	-0.07	0.115	22.59	23.50	1.233	0.142	/
	Level2		Right Edge	10	1412	1732.4	0.04	0.317	22.59	23.50	1.233	0.391	/
	Level2		Top Edge	10	1412	1732.4	0.07	0.394	22.59	23.50	1.233	0.486	/
	Level2		Back Side	10	1312	1712.4	0.00	0.632	22.58	23.50	1.236	0.781	/
	Level2		Back Side	10	1513	1752.6	-0.02	0.629	22.17	23.50	1.358	0.854	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.5WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head													
Ant.0	Level1	RMC	Left Cheek	0	4132	826.4	-0.01	0.187	23.88	24.50	1.153	0.216	/
	Level1		Left Tilt	0	4132	826.4	-0.11	0.116	23.88	24.50	1.153	0.134	/
	Level1		Right Cheek	0	4132	826.4	0.06	0.193	23.88	24.50	1.153	0.223	13#
	Level1		Right Tilt	0	4132	826.4	0.14	0.106	23.88	24.50	1.153	0.122	/
Body-Worn													
Ant.0	Level2	RMC	Front Side	15	4132	826.4	0.12	0.178	23.88	24.50	1.153	0.205	/
	Level2		Back Side	15	4132	826.4	-0.01	0.198	23.88	24.50	1.153	0.228	14#
Hotspot													
Ant.0	Level2	RMC	Front Side	10	4132	826.4	0.07	0.191	23.88	24.50	1.153	0.220	/
	Level2		Back Side	10	4132	826.4	-0.01	0.224	23.88	24.50	1.153	0.258	15#
	Level2		Left Edge	10	4132	826.4	-0.02	0.188	23.88	24.50	1.153	0.217	/
	Level2		Right Edge	10	4132	826.4	-0.11	0.188	23.88	24.50	1.153	0.217	/
	Level2		Bottom Edge	10	4132	826.4	-0.12	0.065	23.88	24.50	1.153	0.075	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11.6LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reductio n	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	19100	1900	1	High	0.10	0.160	15.17	15.50	1.079	0.173	/
	Level1		Left Tilt	0	19100	1900	1	High	0.10	0.130	15.17	15.50	1.079	0.140	/
	Level1		Right Cheek	0	19100	1900	1	High	0.14	0.488	15.17	15.50	1.079	0.527	16#
	Level1		Right Tilt	0	19100	1900	1	High	-0.04	0.428	15.17	15.50	1.079	0.462	/
	Level1		Left Cheek	0	19100	1900	50	Mid	0.06	0.157	15.16	15.50	1.081	0.170	/
	Level1		Left Tilt	0	19100	1900	50	Mid	-0.11	0.129	15.16	15.50	1.081	0.139	/
	Level1		Right Cheek	0	19100	1900	50	Mid	0.00	0.480	15.16	15.50	1.081	0.519	/
	Level1		Right Tilt	0	19100	1900	50	Mid	0.13	0.425	15.16	15.50	1.081	0.459	/
Body-Worn															
Ant.1	Level2	QPSK	Front Side	15	19100	1900	1	High	0.04	0.256	23.12	23.50	1.091	0.279	/
	Level2		Back Side	15	19100	1900	1	High	-0.11	0.389	23.12	23.50	1.091	0.424	17#
	Level2		Front Side	15	19100	1900	50	High	0.13	0.204	22.09	22.50	1.099	0.224	/
	Level2		Back Side	15	19100	1900	50	High	-0.03	0.311	22.09	22.50	1.099	0.342	/
Hotspot															
Ant.1	Level2	QPSK	Front Side	10	19100	1900	1	High	-0.09	0.530	23.12	23.50	1.091	0.578	/
	Level2		Back Side	10	19100	1900	1	High	-0.06	0.775	23.12	23.50	1.091	0.846	18#
	Level2		Left Edge	10	19100	1900	1	High	0.14	0.057	23.12	23.50	1.091	0.062	/
	Level2		Right Edge	10	19100	1900	1	High	0.02	0.417	23.12	23.50	1.091	0.455	/
	Level2		Top Edge	10	19100	1900	1	High	0.06	0.395	23.12	23.50	1.091	0.431	/
	Level2		Front Side	10	19100	1900	50	High	-0.12	0.436	22.09	22.50	1.099	0.479	/
	Level2		Back Side	10	19100	1900	50	High	0.16	0.592	22.09	22.50	1.099	0.651	/
	Level2		Left Edge	10	19100	1900	50	High	-0.04	0.048	22.09	22.50	1.099	0.053	/
	Level2		Right Edge	10	19100	1900	50	High	-0.03	0.370	22.09	22.50	1.099	0.407	/
	Level2		Top Edge	10	19100	1900	50	High	0.12	0.325	22.09	22.50	1.099	0.357	/
	Level2		Back Side	10	18700	1860	1	Mid	0.12	0.700	22.71	23.50	1.199	0.839	/
	Level2		Back Side	10	18900	1880	1	High	-0.04	0.713	22.88	23.50	1.153	0.822	/
	Level2		Back Side	10	19100	1900	100	Low	0.02	0.568	21.99	22.50	1.125	0.639	/
	Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.7LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reductio n	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	20300	1745	1	Mid	0.05	0.288	15.86	16.50	1.159	0.334	/
	Level1		Left Tilt	0	20300	1745	1	Mid	0.14	0.217	15.86	16.50	1.159	0.252	/
	Level1		Right Cheek	0	20300	1745	1	Mid	-0.05	0.645	15.86	16.50	1.159	0.748	19#
	Level1		Right Tilt	0	20300	1745	1	Mid	-0.07	0.326	15.86	16.50	1.159	0.378	/
	Level1		Left Cheek	0	20175	1732.5	50	Mid	0.03	0.272	15.85	16.50	1.161	0.316	/
	Level1		Left Tilt	0	20175	1732.5	50	Mid	-0.06	0.207	15.85	16.50	1.161	0.240	/
	Level1		Right Cheek	0	20175	1732.5	50	Mid	0.01	0.605	15.85	16.50	1.161	0.702	/
	Level1		Right Tilt	0	20175	1732.5	50	Mid	-0.04	0.325	15.85	16.50	1.161	0.377	/
Body-Worn															
Ant.1	Level2	QPSK	Front Side	15	20300	1745	1	Mid	-0.04	0.244	22.98	23.50	1.127	0.275	/
	Level2		Back Side	15	20300	1745	1	Mid	-0.03	0.389	22.98	23.50	1.127	0.438	20#
	Level2		Front Side	15	20175	1732.5	50	Mid	0.13	0.194	22.02	22.50	1.117	0.217	/
	Level2		Back Side	15	20175	1732.5	50	Mid	-0.04	0.286	22.02	22.50	1.117	0.319	/
Hotspot															
Ant.1	Level2	QPSK	Front Side	10	20300	1745	1	Mid	0.00	0.417	22.98	23.50	1.127	0.470	/
	Level2		Back Side	10	20300	1745	1	Mid	-0.02	0.811	22.98	23.50	1.127	0.914	21#
	Level2		Left Edge	10	20300	1745	1	Mid	0.01	0.091	22.98	23.50	1.127	0.103	/
	Level2		Right Edge	10	20300	1745	1	Mid	-0.10	0.320	22.98	23.50	1.127	0.361	/
	Level2		Top Edge	10	20300	1745	1	Mid	-0.01	0.457	22.98	23.50	1.127	0.515	/
	Level2		Front Side	10	20175	1732.5	50	Mid	0.13	0.397	22.02	22.50	1.117	0.443	/
	Level2		Back Side	10	20175	1732.5	50	Mid	0.10	0.691	22.02	22.50	1.117	0.772	/
	Level2		Left Edge	10	20175	1732.5	50	Mid	0.07	0.073	22.02	22.50	1.117	0.082	/
	Level2		Right Edge	10	20175	1732.5	50	Mid	-0.05	0.274	22.02	22.50	1.117	0.306	/
	Level2		Top Edge	10	20175	1732.5	50	Mid	0.04	0.388	22.02	22.50	1.117	0.433	/
	Level2		Back Side	10	20050	1720	1	Mid	0.12	0.719	22.95	23.50	1.135	0.816	/
	Level2		Back Side	10	20300	1745	1	Mid	0.14	0.752	22.95	23.50	1.135	0.854	/
	Level2		Back Side	10	20175	1732.5	100	Low	0.03	0.637	21.90	22.50	1.148	0.731	/
	Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.8LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reductio n	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head															
Ant.0	Level1	QPSK	Left Cheek	0	20450	829	1	Mid	-0.14	0.164	24.22	25.00	1.197	0.196	/
	Level1		Left Tilt	0	20450	829	1	Mid	-0.14	0.102	24.22	25.00	1.197	0.122	/
	Level1		Right Cheek	0	20450	829	1	Mid	0.03	0.173	24.22	25.00	1.197	0.207	22#
	Level1		Right Tilt	0	20450	829	1	Mid	0.03	0.098	24.22	25.00	1.197	0.117	/
	Level1		Left Cheek	0	20450	829	25	Mid	-0.13	0.128	23.18	24.00	1.208	0.155	/
	Level1		Left Tilt	0	20450	829	25	Mid	-0.11	0.086	23.18	24.00	1.208	0.104	/
	Level1		Right Cheek	0	20450	829	25	Mid	-0.05	0.132	23.18	24.00	1.208	0.159	/
	Level1		Right Tilt	0	20450	829	25	Mid	-0.09	0.075	23.18	24.00	1.208	0.091	/
Body-Worn															
Ant.0	Level2	QPSK	Front Side	15	20450	829	1	Mid	0.11	0.185	24.22	25.00	1.197	0.221	/
	Level2		Back Side	15	20450	829	1	Mid	0.15	0.245	24.22	25.00	1.197	0.293	23#
	Level2		Front Side	15	20450	829	25	Mid	-0.02	0.146	23.18	24.00	1.208	0.176	/
	Level2		Back Side	15	20450	829	25	Mid	0.01	0.159	23.18	24.00	1.208	0.192	/
Hotspot															
Ant.0	Level2	QPSK	Front Side	10	20450	829	1	Mid	-0.01	0.164	24.22	25.00	1.197	0.196	/
	Level2		Back Side	10	20450	829	1	Mid	0.01	0.225	24.22	25.00	1.197	0.269	24#
	Level2		Left Edge	10	20450	829	1	Mid	0.00	0.151	24.22	25.00	1.197	0.181	/
	Level2		Right Edge	10	20450	829	1	Mid	0.12	0.169	24.22	25.00	1.197	0.202	/
	Level2		Bottom Edge	10	20450	829	1	Mid	0.12	0.073	24.22	25.00	1.197	0.087	/
	Level2		Front Side	10	20450	829	25	Mid	-0.10	0.131	23.18	24.00	1.208	0.158	/
	Level2		Back Side	10	20450	829	25	Mid	0.04	0.171	23.18	24.00	1.208	0.207	/
	Level2		Left Edge	10	20450	829	25	Mid	0.02	0.117	23.18	24.00	1.208	0.141	/
	Level2		Right Edge	10	20450	829	25	Mid	0.14	0.129	23.18	24.00	1.208	0.156	/
	Level2		Bottom Edge	10	20450	829	25	Mid	-0.11	0.052	23.18	24.00	1.208	0.063	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.9LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reductio n	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	21350	2560	1	Mid	-0.09	0.265	15.98	16.50	1.127	0.299	/
	Level1		Left Tilt	0	21350	2560	1	Mid	-0.11	0.234	15.98	16.50	1.127	0.264	/
	Level1		Right Cheek	0	21350	2560	1	Mid	0.09	0.762	15.98	16.50	1.127	0.859	/
	Level1		Right Tilt	0	21350	2560	1	Mid	0.01	0.646	15.98	16.50	1.127	0.728	/
	Level1		Left Cheek	0	21350	2560	50	Low	0.10	0.295	15.93	16.50	1.140	0.336	/
	Level1		Left Tilt	0	21350	2560	50	Low	0.12	0.230	15.93	16.50	1.140	0.262	/
	Level1		Right Cheek	0	21350	2560	50	Low	-0.04	0.781	15.93	16.50	1.140	0.890	/
	Level1		Right Tilt	0	21350	2560	50	Low	0.16	0.674	15.93	16.50	1.140	0.768	/
	Level1		Right Cheek	0	20850	2510	1	Mid	0.04	0.768	15.84	16.50	1.164	0.894	/
	Level1		Right Cheek	0	21100	2535	1	Mid	-0.08	0.785	15.86	16.50	1.159	0.910	25#
	Level1		Right Cheek	0	20850	2510	50	Mid	-0.06	0.738	15.70	16.50	1.202	0.887	/
	Level1		Right Cheek	0	21100	2535	50	High	0.04	0.762	15.79	16.50	1.178	0.898	/
	Level1		Right Cheek	0	21350	2560	100	Low	0.10	0.745	15.77	16.50	1.183	0.881	/
Body-Worn															
Ant.1	Level2	QPSK	Front Side	15	21350	2560	1	Mid	0.11	0.224	18.90	19.50	1.148	0.257	/
	Level2		Back Side	15	21350	2560	1	Mid	-0.11	0.237	18.90	19.50	1.148	0.272	26#
	Level2		Front Side	15	21350	2560	50	Low	-0.05	0.215	18.84	19.50	1.164	0.250	/
	Level2		Back Side	15	21350	2560	50	Low	-0.09	0.229	18.84	19.50	1.164	0.267	/
Hotspot															
Ant.1	Level2	QPSK	Front Side	10	21350	2560	1	Mid	-0.07	0.382	18.90	19.50	1.148	0.439	/
	Level2		Back Side	10	21350	2560	1	Mid	-0.14	0.474	18.90	19.50	1.148	0.544	27#
	Off		Left Edge	10	20850	2510	1	Mid	0.04	0.030	22.84	23.50	1.164	0.035	/
	Level2		Right Edge	10	21350	2560	1	Mid	0.13	0.448	18.90	19.50	1.148	0.514	/
	Level2		Top Edge	10	21350	2560	1	Mid	0.11	0.301	18.90	19.50	1.148	0.346	/
	Level2		Front Side	10	21350	2560	50	Low	0.14	0.381	18.84	19.50	1.164	0.443	/
	Level2		Back Side	10	21350	2560	50	Low	0.00	0.463	18.84	19.50	1.164	0.539	/
	Off		Left Edge	10	20850	2510	50	Mid	-0.13	0.028	21.83	22.50	1.167	0.033	/
	Level2		Right Edge	10	21350	2560	50	Low	0.00	0.445	18.84	19.50	1.164	0.518	/
	Level2		Top Edge	10	21350	2560	50	Low	0.00	0.313	18.84	19.50	1.164	0.364	/
Body(Sensor Off)															
Ant.1	Off	QPSK	Front Side	29	20850	2510	1	Mid	-0.08	0.059	22.84	23.50	1.164	0.069	/
	Off		Back Side	29	20850	2510	1	Mid	0.10	0.052	22.84	23.50	1.164	0.061	/
	Off		Right Edge	29	20850	2510	1	Mid	0.04	0.067	22.84	23.50	1.164	0.078	/
	Off		Top Edge	29	20850	2510	1	Mid	0.12	0.010	22.84	23.50	1.164	0.012	/
	Off		Front Side	29	20850	2510	50	Mid	0.14	0.046	21.83	22.50	1.167	0.054	/
	Off		Back Side	29	20850	2510	50	Mid	0.11	0.042	21.83	22.50	1.167	0.049	/

	Off		Right Edge	29	20850	2510	50	Mid	-0.04	0.054	21.83	22.50	1.167	0.063	/
	Off		Top Edge	29	20850	2510	50	Mid	-0.05	0.008	21.83	22.50	1.167	0.009	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Report SAR (W/kg)	Meas. No.
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Specific

Ant. 1	Level2	QPSK	Back Side	0	21350	2560	1	Mid	-0.09	1.720	18.90	19.50	1.148	1.975	28#
	Level2		Right Edge	0	21350	2560	1	Mid	-0.14	1.050	18.90	19.50	1.148	1.205	/
	Level2		Back Side	0	21350	2560	50	Low	0.00	1.060	18.84	19.50	1.164	1.234	/
	Level2		Right Edge	0	21350	2560	50	Low	-0.13	1.010	18.84	19.50	1.164	1.176	/

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

11.10 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reductio n	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head															
Ant.0	Level1	QPSK	Left Cheek	0	23130	711	1	Mid	0.02	0.179	24.29	25.00	1.178	0.211	/
	Level1		Left Tilt	0	23130	711	1	Mid	0.00	0.112	24.29	25.00	1.178	0.132	/
	Level1		Right Cheek	0	23130	711	1	Mid	0.08	0.183	24.29	25.00	1.178	0.216	29#
	Level1		Right Tilt	0	23130	711	1	Mid	0.08	0.119	24.29	25.00	1.178	0.140	/
	Level1		Left Cheek	0	23130	711	25	Mid	-0.01	0.157	23.34	24.00	1.164	0.183	/
	Level1		Left Tilt	0	23130	711	25	Mid	-0.02	0.104	23.34	24.00	1.164	0.121	/
	Level1		Right Cheek	0	23130	711	25	Mid	-0.01	0.177	23.34	24.00	1.164	0.206	/
	Level1		Right Tilt	0	23130	711	25	Mid	-0.08	0.102	23.34	24.00	1.164	0.119	/
Body-Worn															
Ant.0	Level2	QPSK	Front Side	15	23130	711	1	Mid	0.12	0.267	24.29	25.00	1.178	0.315	/
	Level2		Back Side	15	23130	711	1	Mid	0.04	0.288	24.29	25.00	1.178	0.339	30#
	Level2		Front Side	15	23130	711	25	Mid	-0.10	0.207	23.34	24.00	1.164	0.241	/
	Level2		Back Side	15	23130	711	25	Mid	0.16	0.230	23.34	24.00	1.164	0.268	/
Hotspot															
Ant.0	Level2	QPSK	Front Side	10	23130	711	1	Mid	-0.05	0.234	24.29	25.00	1.178	0.276	/
	Level2		Back Side	10	23130	711	1	Mid	-0.02	0.306	24.29	25.00	1.178	0.360	31#
	Level2		Left Edge	10	23130	711	1	Mid	-0.13	0.296	24.29	25.00	1.178	0.349	/
	Level2		Right Edge	10	23130	711	1	Mid	-0.07	0.289	24.29	25.00	1.178	0.340	/
	Level2		Bottom Edge	10	23130	711	1	Mid	-0.08	0.046	24.29	25.00	1.178	0.054	/
	Level2		Front Side	10	23130	711	25	Mid	-0.09	0.190	23.34	24.00	1.164	0.221	/
	Level2		Back Side	10	23130	711	25	Mid	0.16	0.265	23.34	24.00	1.164	0.308	/
	Level2		Left Edge	10	23130	711	25	Mid	0.11	0.235	23.34	24.00	1.164	0.274	/
	Level2		Right Edge	10	23130	711	25	Mid	0.01	0.204	23.34	24.00	1.164	0.237	/
	Level2		Top Edge	10	23130	711	25	Mid	0.05	0.000	23.34	24.00	1.164	0.000	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.11 LTE Band 17 (10MHz Bandwidth)

Antenna	Power Reductio n	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head															
Ant.0	Level1	QPSK	Left Cheek	0	23800	711	1	Mid	-0.02	0.171	24.39	25.00	1.151	0.197	/
	Level1		Left Tilt	0	23800	711	1	Mid	-0.03	0.110	24.39	25.00	1.151	0.127	/
	Level1		Right Cheek	0	23800	711	1	Mid	0.07	0.184	24.39	25.00	1.151	0.212	32#
	Level1		Right Tilt	0	23800	711	1	Mid	0.02	0.105	24.39	25.00	1.151	0.121	/
	Level1		Left Cheek	0	23800	711	25	Mid	-0.13	0.145	23.38	24.00	1.153	0.167	/
	Level1		Left Tilt	0	23800	711	25	Mid	0.11	0.095	23.38	24.00	1.153	0.110	/
	Level1		Right Cheek	0	23800	711	25	Mid	-0.12	0.146	23.38	24.00	1.153	0.168	/
	Level1		Right Tilt	0	23800	711	25	Mid	0.15	0.089	23.38	24.00	1.153	0.103	/
Body-Worn															
Ant.0	Level2	QPSK	Front Side	15	23800	711	1	Mid	0.13	0.265	24.39	25.00	1.151	0.305	/
	Level2		Back Side	15	23800	711	1	Mid	-0.07	0.286	24.39	25.00	1.151	0.329	33#
	Level2		Front Side	15	23800	711	25	Mid	0.12	0.202	23.38	24.00	1.153	0.233	/
	Level2		Back Side	15	23800	711	25	Mid	-0.09	0.236	23.38	24.00	1.153	0.272	/
Hotspot															
Ant.0	Level2	QPSK	Front Side	10	23800	711	1	Mid	-0.10	0.246	24.39	25.00	1.151	0.283	/
	Level2		Back Side	10	23800	711	1	Mid	-0.13	0.310	24.39	25.00	1.151	0.357	34#
	Level2		Left Edge	10	23800	711	1	Mid	0.08	0.284	24.39	25.00	1.151	0.327	/
	Level2		Right Edge	10	23800	711	1	Mid	-0.13	0.294	24.39	25.00	1.151	0.338	/
	Level2		Bottom Edge	10	23800	711	1	Mid	-0.11	0.049	24.39	25.00	1.151	0.056	/
	Level2		Front Side	10	23800	711	25	Mid	0.16	0.193	23.38	24.00	1.153	0.223	/
	Level2		Back Side	10	23800	711	25	Mid	-0.07	0.236	23.38	24.00	1.153	0.272	/
	Level2		Left Edge	10	23800	711	25	Mid	-0.13	0.222	23.38	24.00	1.153	0.256	/
	Level2		Right Edge	10	23800	711	25	Mid	0.16	0.231	23.38	24.00	1.153	0.266	/
	Level2		Bottom Edge	10	23800	711	25	Mid	0.02	0.000	23.38	24.00	1.153	0.000	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.12 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reductio n	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head															
Ant.0	Level1	QPSK	Left Cheek	0	26765	821.5	1	Mid	0.02	0.203	24.29	25.00	1.178	0.239	/
	Level1		Left Tilt	0	26765	821.5	1	Mid	-0.04	0.150	24.29	25.00	1.178	0.177	/
	Level1		Right Cheek	0	26765	821.5	1	Mid	0.06	0.215	24.29	25.00	1.178	0.253	35#
	Level1		Right Tilt	0	26765	821.5	1	Mid	0.10	0.140	24.29	25.00	1.178	0.165	/
	Level1		Left Cheek	0	26765	821.5	36	Mid	0.08	0.178	23.25	24.00	1.189	0.212	/
	Level1		Left Tilt	0	26765	821.5	36	Mid	-0.06	0.083	23.25	24.00	1.189	0.099	/
	Level1		Right Cheek	0	26765	821.5	36	Mid	-0.01	0.120	23.25	24.00	1.189	0.143	/
	Level1		Right Tilt	0	26765	821.5	36	Mid	0.13	0.071	23.25	24.00	1.189	0.084	/
Body-Worn															
Ant.0	Level2	QPSK	Front Side	15	26765	821.5	1	Mid	-0.07	0.184	24.29	25.00	1.178	0.217	/
	Level2		Back Side	15	26765	821.5	1	Mid	0.04	0.218	24.29	25.00	1.178	0.257	36#
	Level2		Front Side	15	26765	821.5	36	Mid	-0.11	0.132	23.25	24.00	1.189	0.157	/
	Level2		Back Side	15	26765	821.5	36	Mid	0.11	0.152	23.25	24.00	1.189	0.181	/
Hotspot															
Ant.0	Level2	QPSK	Front Side	10	26765	821.5	1	Mid	0.14	0.176	24.29	25.00	1.178	0.207	/
	Level2		Back Side	10	26765	821.5	1	Mid	-0.13	0.234	24.29	25.00	1.178	0.276	37#
	Level2		Left Edge	10	26765	821.5	1	Mid	-0.06	0.175	24.29	25.00	1.178	0.206	/
	Level2		Right Edge	10	26765	821.5	1	Mid	-0.08	0.166	24.29	25.00	1.178	0.196	/
	Level2		Bottom Edge	10	26765	821.5	1	Mid	-0.05	0.069	24.29	25.00	1.178	0.081	/
	Level2		Front Side	10	26765	821.5	36	Mid	-0.14	0.133	23.25	24.00	1.189	0.158	/
	Level2		Back Side	10	26765	821.5	36	Mid	-0.10	0.171	23.25	24.00	1.189	0.203	/
	Level2		Left Edge	10	26765	821.5	36	Mid	0.14	0.125	23.25	24.00	1.189	0.149	/
	Level2		Right Edge	10	26765	821.5	36	Mid	0.04	0.124	23.25	24.00	1.189	0.147	/
	Level2		Bottom Edge	10	26765	821.5	36	Mid	0.02	0.068	23.25	24.00	1.189	0.081	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.13 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reductio n	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	132072	1720	1	Mid	-0.07	0.280	16.73	17.50	1.194	0.334	/
	Level1		Left Tilt	0	132072	1720	1	Mid	-0.12	0.218	16.73	17.50	1.194	0.260	/
	Level1		Right Cheek	0	132072	1720	1	Mid	0.02	0.710	16.73	17.50	1.194	0.848	/
	Level1		Right Tilt	0	132072	1720	1	Mid	-0.12	0.531	16.73	17.50	1.194	0.634	/
	Level1		Left Cheek	0	132072	1720	50	Mid	0.03	0.283	16.66	17.50	1.213	0.343	/
	Level1		Left Tilt	0	132072	1720	50	Mid	0.14	0.221	16.66	17.50	1.213	0.268	/
	Level1		Right Cheek	0	132072	1720	50	Mid	0.07	0.780	16.66	17.50	1.213	0.946	/
	Level1		Right Tilt	0	132072	1720	50	Mid	0.03	0.558	16.66	17.50	1.213	0.677	/
	Level1		Right Cheek	0	132322	1745	1	Mid	0.06	0.765	16.53	17.50	1.250	0.956	/
	Level1		Right Cheek	0	132572	1770	1	Mid	-0.07	0.724	16.22	17.50	1.343	0.972	/
	Level1		Right Cheek	0	132322	1745	50	High	-0.06	0.799	16.54	17.50	1.247	0.996	38#
	Level1		Right Cheek	0	132572	1770	50	High	-0.03	0.731	16.25	17.50	1.334	0.975	/
	Level1		Right Cheek	0	132322	1745	100	Low	0.04	0.728	16.47	17.50	1.268	0.923	/
Body-Worn															
Ant.1	Level2	QPSK	Front Side	15	132572	1770	1	Mid	-0.09	0.303	22.97	23.50	1.130	0.342	/
	Level2		Back Side	15	132572	1770	1	Mid	-0.03	0.442	22.97	23.50	1.130	0.499	39#
	Level2		Front Side	15	132322	1745	50	Mid	0.16	0.232	21.95	22.50	1.135	0.263	/
	Level2		Back Side	15	132322	1745	50	Mid	-0.14	0.350	21.95	22.50	1.135	0.397	/
Hotspot															
Ant.1	Level2	QPSK	Front Side	10	132572	1770	1	Mid	0.13	0.505	22.97	23.50	1.130	0.571	/
	Level2		Back Side	10	132572	1770	1	Mid	-0.01	0.933	22.97	23.50	1.130	1.054	40#
	Level2		Left Edge	10	132572	1770	1	Mid	0.04	0.091	22.97	23.50	1.130	0.103	/
	Level2		Right Edge	10	132572	1770	1	Mid	0.13	0.370	22.97	23.50	1.130	0.418	/
	Level2		Top Edge	10	132572	1770	1	Mid	0.06	0.484	22.97	23.50	1.130	0.547	/
	Level2		Front Side	10	132322	1745	50	Mid	-0.11	0.382	21.95	22.50	1.135	0.434	/
	Level2		Back Side	10	132322	1745	50	Mid	0.02	0.699	21.95	22.50	1.135	0.793	/
	Level2		Left Edge	10	132322	1745	50	Mid	-0.06	0.075	21.95	22.50	1.135	0.085	/
	Level2		Right Edge	10	132322	1745	50	Mid	-0.03	0.325	21.95	22.50	1.135	0.369	/
	Level2		Top Edge	10	132322	1745	50	Mid	0.13	0.340	21.95	22.50	1.135	0.386	/
	Level2		Back Side	10	132072	1720	1	High	-0.05	0.774	22.90	23.50	1.148	0.889	/
	Level2		Back Side	10	132322	1745	1	Mid	0.11	0.880	22.94	23.50	1.138	1.001	/
	Level2		Back Side	10	132072	1720	100	Low	-0.05	0.684	21.83	22.50	1.167	0.798	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.14 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reductio n	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	37850	2580	1	Mid	0.16	0.224	18.18	18.50	1.076	0.241	/
	Level1		Left Tilt	0	37850	2580	1	Mid	-0.11	0.201	18.18	18.50	1.076	0.216	/
	Level1		Right Cheek	0	37850	2580	1	Mid	-0.01	0.789	18.18	18.50	1.076	0.849	/
	Level1		Right Tilt	0	37850	2580	1	Mid	-0.10	0.694	18.18	18.50	1.076	0.747	/
	Level1		Left Cheek	0	38150	2610	50	Mid	-0.02	0.216	18.20	18.50	1.072	0.232	/
	Level1		Left Tilt	0	38150	2610	50	Mid	0.11	0.192	18.20	18.50	1.072	0.206	/
	Level1		Right Cheek	0	38150	2610	50	Mid	-0.05	0.798	18.20	18.50	1.072	0.855	41#
	Level1		Right Tilt	0	38150	2610	50	Mid	-0.03	0.691	18.20	18.50	1.072	0.741	/
	Level1		Right Cheek	0	38000	2595	1	High	0.12	0.760	18.14	18.50	1.086	0.825	/
	Level1		Right Cheek	0	38150	2610	1	Low	0.02	0.753	18.17	18.50	1.079	0.812	/
	Level1		Right Cheek	0	37850	2580	50	Mid	-0.01	0.753	18.12	18.50	1.091	0.822	/
	Level1		Right Cheek	0	38000	2595	50	Low	-0.13	0.732	18.11	18.50	1.094	0.801	/
	Level1		Right Cheek	0	38150	2610	100	Low	0.12	0.729	18.12	18.50	1.091	0.795	/
Body-Worn															
Ant.1	Level2	QPSK	Front Side	15	37850	2580	1	Mid	0.04	0.235	23.29	23.50	1.050	0.247	/
	Level2		Back Side	15	37850	2580	1	Mid	0.04	0.308	23.29	23.50	1.050	0.323	42#
	Level2		Front Side	15	38000	2595	50	Mid	0.07	0.187	22.22	22.50	1.067	0.200	/
	Level2		Back Side	15	38000	2595	50	Mid	0.14	0.248	22.22	22.50	1.067	0.265	/
Hotspot															
Ant.1	Level2	QPSK	Front Side	10	37850	2580	1	Mid	0.06	0.429	23.29	23.50	1.050	0.450	/
	Level2		Back Side	10	37850	2580	1	Mid	0.07	0.650	23.29	23.50	1.050	0.683	43#
	Level2		Left Edge	10	37850	2580	1	Mid	0.08	0.049	23.29	23.50	1.050	0.051	/
	Level2		Right Edge	10	37850	2580	1	Mid	-0.08	0.477	23.29	23.50	1.050	0.501	/
	Level2		Top Edge	10	37850	2580	1	Mid	-0.09	0.344	23.29	23.50	1.050	0.361	/
	Level2		Front Side	10	38000	2595	50	Mid	-0.06	0.345	22.22	22.50	1.067	0.368	/
	Level2		Back Side	10	38000	2595	50	Mid	-0.03	0.484	22.22	22.50	1.067	0.516	/
	Level2		Left Edge	10	38000	2595	50	Mid	0.05	0.041	22.22	22.50	1.067	0.044	/
	Level2		Right Edge	10	38000	2595	50	Mid	0.14	0.363	22.22	22.50	1.067	0.387	/
	Level2		Top Edge	10	38000	2595	50	Mid	0.03	0.278	22.22	22.50	1.067	0.297	/
	Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.15 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reductio n	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Report SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	41490	2680	1	High	0.11	0.243	18.47	18.50	1.007	0.245	/
	Level1		Left Tilt	0	41490	2680	1	High	0.06	0.240	18.47	18.50	1.007	0.242	/
	Level1		Right Cheek	0	41490	2680	1	High	-0.03	0.790	18.47	18.50	1.007	0.796	/
	Level1		Right Tilt	0	41490	2680	1	High	-0.12	0.676	18.47	18.50	1.007	0.681	/
	Level1		Left Cheek	0	41490	2680	50	Mid	-0.07	0.265	18.35	18.50	1.035	0.274	/
	Level1		Left Tilt	0	41490	2680	50	Mid	0.14	0.220	18.35	18.50	1.035	0.228	/
	Level1		Right Cheek	0	41490	2680	50	Mid	-0.07	0.810	18.35	18.50	1.035	0.838	44#
	Level1		Right Tilt	0	41490	2680	50	Mid	-0.06	0.666	18.35	18.50	1.035	0.689	/
	Level1		Right Cheek	0	39750	2506	50	High	0.11	0.715	17.98	18.50	1.127	0.806	/
	Level1		Right Cheek	0	40185	2549.5	50	High	0.10	0.720	18.07	18.50	1.104	0.795	/
	Level1		Right Cheek	0	40620	2593	50	Mid	0.01	0.689	17.95	18.50	1.135	0.782	/
	Level1		Right Cheek	0	41055	2636.5	50	Mid	-0.09	0.707	17.95	18.50	1.135	0.802	/
	Level1		Right Cheek	0	41490	2680	100	Low	0.04	0.759	18.29	18.50	1.050	0.797	/
Body-Worn															
Ant.1	Level2	QPSK	Front Side	15	41490	2680	1	High	0.07	0.267	23.20	23.50	1.072	0.286	/
	Level2		Back Side	15	41490	2680	1	High	-0.13	0.337	23.20	23.50	1.072	0.361	45#
	Level2		Front Side	15	41490	2680	50	Mid	-0.01	0.209	22.07	22.50	1.104	0.231	/
	Level2		Back Side	15	41490	2680	50	Mid	0.11	0.266	22.07	22.50	1.104	0.294	/
Hotspot															
Ant.1	Level2	QPSK	Front Side	10	41490	2680	1	High	0.00	0.400	23.20	23.50	1.072	0.429	/
	Level2		Back Side	10	41490	2680	1	High	0.04	0.620	23.20	23.50	1.072	0.665	46#
	Level2		Left Edge	10	41490	2680	1	High	-0.01	0.041	23.20	23.50	1.072	0.044	/
	Level2		Right Edge	10	41490	2680	1	High	0.03	0.430	23.20	23.50	1.072	0.461	/
	Level2		Top Edge	10	41490	2680	1	High	-0.12	0.352	23.20	23.50	1.072	0.377	/
	Level2		Front Side	10	41490	2680	50	Mid	0.16	0.320	22.07	22.50	1.104	0.353	/
	Level2		Back Side	10	41490	2680	50	Mid	-0.02	0.441	22.07	22.50	1.104	0.487	/
	Level2		Left Edge	10	41490	2680	50	Mid	0.03	0.028	22.07	22.50	1.104	0.031	/
	Level2		Right Edge	10	41490	2680	50	Mid	-0.08	0.298	22.07	22.50	1.104	0.329	/
	Level2		Top Edge	10	41490	2680	50	Mid	0.14	0.278	22.07	22.50	1.104	0.307	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.16 WIFI 2.4GHz

Antenna	Power Reductio n	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.2	Level1	802.11b	Left Cheek	0	11	2462	-0.07	0.850	16.87	17.50	1.156	99.47	1.005	0.988	47#
	Level1		Left Tilt	0	11	2462	-0.10	0.740	16.87	17.50	1.156	99.47	1.005	0.860	/
	Level1		Right Cheek	0	11	2462	0.09	0.370	16.87	17.50	1.156	99.47	1.005	0.430	/
	Level1		Right Tilt	0	11	2462	-0.08	0.314	16.87	17.50	1.156	99.47	1.005	0.365	/
	Level1		Left Cheek	0	1	2412	0.15	0.716	16.50	17.50	1.259	99.47	1.005	0.906	/
	Level1		Left Cheek	0	6	2437	0.05	0.791	16.73	17.50	1.194	99.47	1.005	0.949	/
	Level1		Left Tilt	0	1	2412	-0.11	0.631	16.50	17.50	1.259	99.47	1.005	0.798	/
	Level1		Left Tilt	0	6	2437	-0.03	0.701	16.73	17.50	1.194	99.47	1.005	0.841	/
Body-Worn															
Ant.2	Level2	802.11b	Front Side	15	11	2462	-0.02	0.075	16.87	17.50	1.156	99.47	1.005	0.087	/
	Level2		Back Side	15	11	2462	0.03	0.125	16.87	17.50	1.156	99.47	1.005	0.145	48#
Hotspot															
Ant.2	Level2	802.11b	Front Side	10	11	2462	0.11	0.174	16.87	17.50	1.156	99.47	1.005	0.202	/
	Level2		Back Side	10	11	2462	-0.03	0.243	16.87	17.50	1.156	99.47	1.005	0.282	49#
	Level2		Left Edge	10	11	2462	0.14	0.173	16.87	17.50	1.156	99.47	1.005	0.201	/
	Level2		Right Edge	10	11	2462	0.10	0.005	16.87	17.50	1.156	99.47	1.005	0.006	/
	Level2		Top Edge	10	11	2462	0.12	0.155	16.87	17.50	1.156	99.47	1.005	0.180	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

11.17 WIFI 5GHz

Antenna	Fre. Band	Power Reducti on	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.2	5.3G	Level1	802.11a	Left Cheek	0	52	5260	0.04	0.726	13.24	13.50	1.062	96.64	1.035	0.798	/
		Level1		Left Tilt	0	52	5260	0.16	0.961	13.24	13.50	1.062	96.64	1.035	1.056	/
		Level1		Right Cheek	0	52	5260	0.11	0.264	13.24	13.50	1.062	96.64	1.035	0.290	/
		Level1		Right Tilt	0	52	5260	0.02	0.310	13.24	13.50	1.062	96.64	1.035	0.341	/
		Level1		Left Tilt	0	60	5300	-0.02	0.966	13.13	13.50	1.089	96.64	1.035	1.089	50#
		Level1		Left Tilt	0	64	5320	0.10	0.858	13.00	13.50	1.122	96.64	1.035	0.996	/
Ant.2	5.6G	Level1	802.11a	Left Cheek	0	140	5700	-0.05	0.653	13.35	13.50	1.035	96.64	1.035	0.700	/
		Level1		Left Tilt	0	140	5700	-0.04	0.892	13.35	13.50	1.035	96.64	1.035	0.956	/
		Level1		Right Cheek	0	140	5700	0.01	0.271	13.35	13.50	1.035	96.64	1.035	0.290	/
		Level1		Right Tilt	0	140	5700	0.15	0.336	13.35	13.50	1.035	96.64	1.035	0.360	/
		Level1		Left Tilt	0	100	5500	-0.03	0.990	13.19	13.50	1.074	96.64	1.035	1.100	51#
		Level1		Left Tilt	0	116	5580	0.13	0.910	13.22	13.50	1.067	96.64	1.035	1.005	/
Ant.2	5.8G	Level1	802.11a	Left Cheek	0	165	5825	-0.04	0.620	13.43	13.50	1.016	96.64	1.035	0.652	/
		Level1		Left Tilt	0	165	5825	-0.13	0.700	13.43	13.50	1.016	96.64	1.035	0.736	52#
		Level1		Right Cheek	0	165	5825	-0.05	0.234	13.43	13.50	1.016	96.64	1.035	0.246	/
		Level1		Right Tilt	0	165	5825	0.11	0.271	13.43	13.50	1.016	96.64	1.035	0.285	/
Body-worn																
Ant.2	5.3G	Level2	802.11a	Front Side	15	52	5260	0.16	0.204	13.24	13.50	1.062	96.64	1.035	0.224	/
		Level2		Back Side	15	52	5260	-0.05	0.290	13.24	13.50	1.062	96.64	1.035	0.319	53#
Ant.2	5.6G	Level2	802.11a	Front Side	15	140	5700	-0.05	0.242	13.35	13.50	1.035	96.64	1.035	0.259	/
		Level2		Back Side	15	140	5700	-0.01	0.356	13.35	13.50	1.035	96.64	1.035	0.381	54#
Ant.2	5.8G	Level2	802.11a	Front Side	15	165	5825	-0.13	0.182	13.43	13.50	1.016	96.64	1.035	0.191	/
		Level2		Back Side	15	165	5825	-0.15	0.300	13.43	13.50	1.016	96.64	1.035	0.315	55#
Hotspot																
Ant.2	5.2G	Level2	802.11a	Front Side	10	36	5180	-0.05	0.171	13.31	13.50	1.045	96.64	1.035	0.185	/
		Level2		Back Side	10	36	5180	0.01	0.234	13.31	13.50	1.045	96.64	1.035	0.253	/
		Level2		Left Edge	10	36	5180	0.01	0.128	13.31	13.50	1.045	96.64	1.035	0.138	/
		Level2		Right Edge	10	36	5180	0.08	0.010	13.31	13.50	1.045	96.64	1.035	0.011	/
		Level2		Top Edge	10	36	5180	-0.13	0.394	13.31	13.50	1.045	96.64	1.035	0.426	56#
Ant.2	5.8G	Level2	802.11a	Front Side	10	165	5825	0.14	0.130	13.43	13.50	1.016	96.64	1.035	0.137	/
		Level2		Back Side	10	165	5825	-0.13	0.221	13.43	13.50	1.016	96.64	1.035	0.232	/
		Level2		Left Edge	10	165	5825	-0.02	0.108	13.43	13.50	1.016	96.64	1.035	0.114	/
		Level2		Right Edge	10	165	5825	0.00	0.015	13.43	13.50	1.016	96.64	1.035	0.016	/
		Level2		Top Edge	10	165	5825	0.13	0.351	13.43	13.50	1.016	96.64	1.035	0.369	57#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Fre. Band	Power Reducti on	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.2	5.3G	Level2	802.11a	Front Side	0	64	5320	0.14	0.354	13.24	13.50	1.062	96.64	1.035	0.389	/
		Level2		Back Side	0	64	5320	0.13	0.339	13.24	13.50	1.062	96.64	1.035	0.373	/
		Level2		Left Edge	0	64	5320	0.08	0.338	13.24	13.50	1.062	96.64	1.035	0.372	/
		Level2		Right Edge	0	64	5320	0.08	0.033	13.24	13.50	1.062	96.64	1.035	0.036	/
		Level2		Top Edge	0	64	5320	-0.17	0.915	13.24	13.50	1.062	96.64	1.035	1.006	58#
Ant.2	5.6G	Level2	802.11a	Front Side	0	140	5700	-0.03	0.461	13.35	13.50	1.035	96.64	1.035	0.494	/
		Level2		Back Side	0	140	5700	0.12	0.447	13.35	13.50	1.035	96.64	1.035	0.479	/
		Level2		Left Edge	0	140	5700	-0.02	0.326	13.35	13.50	1.035	96.64	1.035	0.349	/
		Level2		Right Edge	0	140	5700	0.08	0.038	13.35	13.50	1.035	96.64	1.035	0.041	/
		Level2		Top Edge	0	140	5700	0.04	0.988	13.35	13.50	1.035	96.64	1.035	1.058	59#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.18 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune- power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.2	DH5	Left Cheek	0	78	2480	-0.05	0.141	11.00	12.00	1.259	76.88	1.301	0.231	60#
		Left Tilt	0	78	2480	0.03	0.132	11.00	12.00	1.259	76.88	1.301	0.216	/
		Right Cheek	0	78	2480	0.05	0.069	11.00	12.00	1.259	76.88	1.301	0.113	/
		Right Tilt	0	78	2480	0.09	0.070	11.00	12.00	1.259	76.88	1.301	0.115	/
Body-Worn														
Ant.2	DH5	Front Side	15	78	2480	-0.02	0.029	11.00	12.00	1.259	76.88	1.301	0.048	/
		Back Side	15	78	2480	-0.05	0.053	11.00	12.00	1.259	76.88	1.301	0.087	61#
Hotspot														
Ant.2	DH5	Front Side	10	78	2480	0.05	0.035	11.00	12.00	1.259	76.88	1.301	0.057	/
		Back Side	10	78	2480	-0.01	0.064	11.00	12.00	1.259	76.88	1.301	0.105	62#
		Left Edge	10	78	2480	0.03	0.038	11.00	12.00	1.259	76.88	1.301	0.062	/
		Right Edge	10	78	2480	0.05	0.003	11.00	12.00	1.259	76.88	1.301	0.005	/
		Top Edge	10	78	2480	0.06	0.040	11.00	12.00	1.259	76.88	1.301	0.066	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.19 NFC SAR

1. According to the 2022.04 TCBC Workshop meeting, the power threshold is $\leq 100\text{MHz}$, refer to P6s.

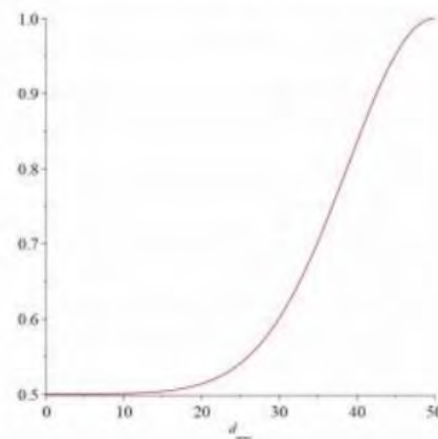
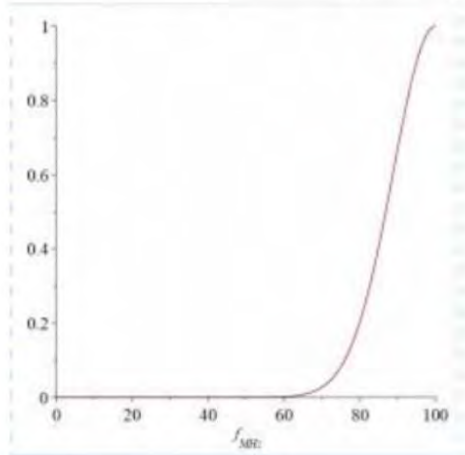
$$P_{7X}(d_{mm}, f_{MHz}) := \begin{cases} P_{6S}(d_{mm}, f_{MHz}) & f_{MHz} \leq 100 \\ P_{6to7}(d_{mm}, f_{MHz}) & 100 < f_{MHz} \leq 300 \\ P_7(d_{mm}, f_{MHz}) & 300 < f_{MHz} \end{cases}$$

2. For portable products, when using a distance of $\leq 50\text{mm}$, such as mobile phone NFC, P6s is calculated with the following formula calculate.

$$S_f(f_{MHz}) \cdot P_{431a}(d_{mm}, f_{MHz}) + (1 - S_f(f_{MHz})) \cdot S_d(d_{mm}) \cdot P_{431b1}(50., 100.) \cdot \left(1 + \log_{10}\left(\frac{100.}{f_{MHz}}\right)\right) \quad d_{mm} \leq 50 \text{ and } f_{MHz} \leq 100$$

3. The smoothing functions S_f and S_d in P6s calculate the limits based on KDB 447498 V06 and are calculated as follows.

$$S_f(f_{MHz}) := \exp\left(-10 \frac{(f_{MHz} - f_{max})^2}{\Delta f^2}\right) \quad S_d(d_{mm}) := 0.5 + 0.5 \cdot \exp\left(-10 \frac{(d_{mm} - d_{max})^2}{\Delta d^2}\right)$$



d≤50mm				
f Max(MHz)	100		d Max(mm)	50
f MHz	13.56		d(mm)	5
△f(MHz)	100		△d	50
S _f (f _{MHz})	0.000568861		S _d (dmm)	0.50015177
P6s(mW)	443.1257378			
Note: SAR testing is required when the distance is 5mm and the power is greater than 443.13mW.				

4. According to the ANSI C63.10 clause 11.12.2.2:

The value of maximum peak output power is according to the method described in ANSI C63.10 clause 11.12.2.2 General procedure for conducted measurements in restricted bands:

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)
- c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies $\leq$ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies $>$ 1000 MHz).
- d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship: $E = \text{EIRP} - 20\log D + 104.8$

where:

E = electric field strength in dB μ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

Mode	f (MHz)	Max. E-Field strength (dB μ V/m)	D (m)	Ground reflection factor (dB)	ERP (dBm)
NFC (13.56MHz)	13.56	52.20	10	6	-26.60

Note:

1. Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies $\leq$ 30 MHz).
2. ERP = $52.20 + 20 \cdot \log(10) - 104.8 + 6 = -26.60$ (dBm)

According to the FCC KDB 447498 D04

Estimated SAR: SAR test = $1.6 \cdot P_{\text{ant}} / P_{\text{th}}$ [W/kg]

Estimated SAR	$1.6 \cdot P_{\text{ant}} / P_{\text{th}}$ [W/kg]		
Pmeas.(dBm)	-26.60	Pmeas.(mW)	0.00219
Pth.(mW)	443.13		
NFC Estimated 1g SAR [W/kg]	<0.001		

5. Highest Total Exposure Ratio of Simultaneous Transmission

NFC multi-transmit requires the use of the TER formula:

$$TER = \sum_{k=1}^{N_s} \left(\frac{SAR_k}{SAR_{lim}} \right) + \sum_{k=1}^{N_f} \left(\frac{MPE_{field, k}}{MPE_{field, lim}} \right)^2 + \sum_{k=1}^{N_{PD}} \left(\frac{MPE_{PD, k}}{MPE_{PD, lim}} \right)$$

The maximum SAR value for Simultaneous Transmission is 1.586 [W/kg]. Therefore, the worst TER = (1.586+0.001)/1.6 = 0.992 < 1, the NFC SAR transmit simultaneously Pass.

12 SAR Measurement Variability

According to KDB 865664 D01, SAR measurement variability was assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. Alternatively, if the highest measured SAR for both head and body tissue-equivalent media are ≤ 1.45 W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is ≤ 1.10 , the highest SAR configuration for either head or body tissue-equivalent medium may be used to perform the repeated measurement. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR repeated measurement procedure:

1. When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
2. When the highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
3. If the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 , or when the original or repeated measurement is ≥ 1.45 W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 , and the original, first or second repeated measurement is ≥ 1.5 W/kg, perform a third repeated measurement.

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 Ratio
1850.2	GSM 1900	Head	Right Cheek	0.937	Yes	0.917	1.02
1850.2	GSM 1900	Hotspot	Back Side	0.877	Yes	0.843	1.04
1907.6	WCDMA Band 2	Head	Right Cheek	0.877	Yes	0.846	1.04
1880	WCDMA Band 2	Body-Worn	Back Side	0.903	Yes	0.881	1.02
1732.4	WCDMA Band 4	Head	Right Cheek	0.956	Yes	0.919	1.04
1745	LTE Band 4	Hotspot	Back Side	0.811	Yes	0.794	1.02
1770	LTE Band 66	Hotspot	Back Side	0.933	Yes	0.894	1.04
2680	LTE Band 41	Head	Right Cheek	0.810	Yes	0.780	1.04
2462	WIFI 2.4GHz	Head	Left Cheek	0.850	Yes	0.814	1.04
5300	WIFI 5GHz	Head	Left Tilt	0.966	Yes	0.939	1.03
5500	WIFI 5GHz	Head	Left Tilt	0.990	Yes	0.964	1.03
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.							

13 SIMULTANEOUS TRANSMISSION

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. When the sum of SAR 1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR 1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR 1g is greater than the SAR limit (SAR 1g 1.6 W/kg), SAR test exclusion is determined by the SAR to Peak Location Ratio (SPLSR).

13.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-Worn	Hotspot	Specific
1	WLAN 5GHz + BT	Yes	Yes	Yes	Yes
2	WWAN + WLAN 2.4GHz	Yes	Yes	Yes	Yes
3	WWAN + WLAN 5GHz	Yes	Yes	Yes	Yes
4	WWAN + BT	Yes	Yes	Yes	Yes
5	WWAN + WLAN 5GHz + BT	Yes	Yes	Yes	Yes

Note:

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

13.2 Sum SAR of Simultaneous Transmission

13.2.1 Head Simultaneous Transmission SAR Evaluation for WWAN and WLAN

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI	Bluetooth	1+2	1+3+4
GSM850	Ant.0	Left Cheek	0.325	0.988	0.798	0.231	1.313	1.354
		Left Tilt	0.216	0.860	1.100	0.216	1.076	1.532
		Right Cheek	0.353	0.430	0.290	0.113	0.783	0.756
		Right Tilt	0.209	0.365	0.360	0.115	0.574	0.684
GSM1900	Ant.1	Left Cheek	0.396	0.988	0.798	0.231	1.384	1.425
		Left Tilt	0.270	0.860	1.100	0.216	1.130	1.586
		Right Cheek	1.111	0.430	0.290	0.113	1.541	1.514
		Right Tilt	0.766	0.365	0.360	0.115	1.131	1.241
WCDMA B2	Ant.1	Left Cheek	0.256	0.988	0.798	0.231	1.244	1.285
		Left Tilt	0.207	0.860	1.100	0.216	1.067	1.523
		Right Cheek	0.931	0.430	0.290	0.113	1.361	1.334
		Right Tilt	0.662	0.365	0.360	0.115	1.027	1.137
WCDMA B4	Ant.1	Left Cheek	0.354	0.988	0.798	0.231	1.342	1.383
		Left Tilt	0.264	0.860	1.100	0.216	1.124	1.580
		Right Cheek	1.141	0.430	0.290	0.113	1.571	1.544
		Right Tilt	0.964	0.365	0.360	0.115	1.329	1.439
WCDMA B5	Ant.0	Left Cheek	0.216	0.988	0.798	0.231	1.204	1.245
		Left Tilt	0.134	0.860	1.100	0.216	0.994	1.450
		Right Cheek	0.223	0.430	0.290	0.113	0.653	0.626
		Right Tilt	0.122	0.365	0.360	0.115	0.487	0.597
LTE B2	Ant.1	Left Cheek	0.173	0.988	0.798	0.231	1.161	1.202
		Left Tilt	0.140	0.860	1.100	0.216	1.000	1.456
		Right Cheek	0.527	0.430	0.290	0.113	0.957	0.930
		Right Tilt	0.462	0.365	0.360	0.115	0.827	0.937
LTE B4	Ant.1	Left Cheek	0.334	0.988	0.798	0.231	1.322	1.363
		Left Tilt	0.251	0.860	1.100	0.216	1.111	1.567
		Right Cheek	0.747	0.430	0.290	0.113	1.177	1.150
		Right Tilt	0.378	0.365	0.360	0.115	0.743	0.853
LTE B5	Ant.0	Left Cheek	0.196	0.988	0.798	0.231	1.184	1.225
		Left Tilt	0.122	0.860	1.100	0.216	0.982	1.438
		Right Cheek	0.207	0.430	0.290	0.113	0.637	0.610
		Right Tilt	0.117	0.365	0.360	0.115	0.482	0.592
LTE B7	Ant.1	Left Cheek	0.336	0.988	0.798	0.231	1.324	1.365
		Left Tilt	0.264	0.860	1.100	0.216	1.124	1.580
		Right Cheek	0.910	0.430	0.290	0.113	1.340	1.313
		Right Tilt	0.769	0.365	0.360	0.115	1.134	1.244
LTE B12	Ant.0	Left Cheek	0.211	0.988	0.798	0.231	1.199	1.240

		Left Tilt	0.132	0.860	1.100	0.216	0.992	1.448
		Right Cheek	0.216	0.430	0.290	0.113	0.646	0.619
		Right Tilt	0.140	0.365	0.360	0.115	0.505	0.615
LTE B17	Ant.0	Left Cheek	0.197	0.988	0.798	0.231	1.185	1.226
		Left Tilt	0.127	0.860	1.100	0.216	0.987	1.443
		Right Cheek	0.212	0.430	0.290	0.113	0.642	0.615
		Right Tilt	0.121	0.365	0.360	0.115	0.486	0.596
LTE B26	Ant.0	Left Cheek	0.239	0.988	0.798	0.231	1.227	1.268
		Left Tilt	0.177	0.860	1.100	0.216	1.037	1.493
		Right Cheek	0.253	0.430	0.290	0.113	0.683	0.656
		Right Tilt	0.165	0.365	0.360	0.115	0.530	0.640
LTE B66	Ant.1	Left Cheek	0.343	0.988	0.798	0.231	1.331	1.372
		Left Tilt	0.268	0.860	1.100	0.216	1.128	1.584
		Right Cheek	0.997	0.430	0.290	0.113	1.427	1.400
		Right Tilt	0.677	0.365	0.360	0.115	1.042	1.152
LTE B38	Ant.1	Left Cheek	0.241	0.988	0.798	0.231	1.229	1.270
		Left Tilt	0.216	0.860	1.100	0.216	1.076	1.532
		Right Cheek	0.855	0.430	0.290	0.113	1.285	1.258
		Right Tilt	0.747	0.365	0.360	0.115	1.112	1.222
LTE B41	Ant.1	Left Cheek	0.274	0.988	0.798	0.231	1.262	1.303
		Left Tilt	0.242	0.860	1.100	0.216	1.102	1.558
		Right Cheek	0.838	0.430	0.290	0.113	1.268	1.241
		Right Tilt	0.689	0.365	0.360	0.115	1.054	1.164

Note:

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

2: The highest Summed 1g SAR is 1.586 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

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

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI	Bluetooth	1+2	1+3+4
GSM850	Ant.0	Front Side 15mm	0.330	0.087	0.259	0.048	0.417	0.637
		Back Side 15mm	0.391	0.145	0.381	0.087	0.536	0.859
GSM1900	Ant.1	Front Side 15mm	0.270	0.087	0.259	0.048	0.357	0.577
		Back Side 15mm	0.688	0.145	0.381	0.087	0.833	1.156
WCDMA B2	Ant.1	Front Side 15mm	0.336	0.087	0.259	0.048	0.423	0.643
		Back Side 15mm	0.535	0.145	0.381	0.087	0.680	1.003
WCDMA B4	Ant.1	Front Side 15mm	0.258	0.087	0.259	0.048	0.345	0.565
		Back Side 15mm	0.409	0.145	0.381	0.087	0.554	0.877
WCDMA B5	Ant.0	Front Side 15mm	0.205	0.087	0.259	0.048	0.292	0.512
		Back Side 15mm	0.228	0.145	0.381	0.087	0.373	0.696
LTE B2	Ant.1	Front Side 15mm	0.279	0.087	0.259	0.048	0.366	0.586
		Back Side 15mm	0.424	0.145	0.381	0.087	0.569	0.892
LTE B4	Ant.1	Front Side 15mm	0.275	0.087	0.259	0.048	0.362	0.582
		Back Side 15mm	0.438	0.145	0.381	0.087	0.583	0.906
LTE B5	Ant.0	Front Side 15mm	0.221	0.087	0.259	0.048	0.308	0.528
		Back Side 15mm	0.293	0.145	0.381	0.087	0.438	0.761
LTE B7	Ant.1	Front Side 15mm	0.257	0.087	0.259	0.048	0.344	0.564
		Back Side 15mm	0.272	0.145	0.381	0.087	0.417	0.740
LTE B12	Ant.0	Front Side 15mm	0.315	0.087	0.259	0.048	0.402	0.622
		Back Side 15mm	0.339	0.145	0.381	0.087	0.484	0.807
LTE B17	Ant.0	Front Side 15mm	0.305	0.087	0.259	0.048	0.392	0.612
		Back Side 15mm	0.329	0.145	0.381	0.087	0.474	0.797
LTE B26	Ant.0	Front Side 15mm	0.217	0.087	0.259	0.048	0.304	0.524
		Back Side 15mm	0.257	0.145	0.381	0.087	0.402	0.725
LTE B66	Ant.1	Front Side 15mm	0.342	0.087	0.259	0.048	0.429	0.649
		Back Side 15mm	0.499	0.145	0.381	0.087	0.644	0.967
LTE B38	Ant.1	Front Side 15mm	0.247	0.087	0.259	0.048	0.334	0.554
		Back Side 15mm	0.323	0.145	0.381	0.087	0.468	0.791
LTE B41	Ant.1	Front Side 15mm	0.286	0.087	0.259	0.048	0.373	0.593
		Back Side 15mm	0.361	0.145	0.381	0.087	0.506	0.829

Note:

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

2: The highest Summed 1g SAR is 1.156 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.3 Hotspot Simultaneous Transmission SAR Evaluation for WWAN and WLAN

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI	Bluetooth	1+2	1+3+4
GSM850	Ant.0	Front Side 10mm	0.336	0.202	0.185	0.057	0.538	0.578
		Back Side 10mm	0.416	0.282	0.253	0.105	0.698	0.774
		Left Edge 10mm	0.362	0.208	0.138	0.062	0.570	0.562
		Right Edge 10mm	0.368	0.006	0.016	0.005	0.374	0.389
		Top Edge 10mm	0.000	0.186	0.426	0.066	0.186	0.492
		Bottom Edge 10mm	0.100	0.000	0.000	0.000	0.100	0.100
GSM1900	Ant.1	Front Side 10mm	0.726	0.202	0.185	0.057	0.928	0.968
		Back Side 10mm	1.035	0.282	0.253	0.105	1.317	1.393
		Left Edge 10mm	0.077	0.208	0.138	0.062	0.285	0.277
		Right Edge 10mm	0.684	0.006	0.016	0.005	0.690	0.705
		Top Edge 10mm	0.518	0.186	0.426	0.066	0.704	1.010
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B2	Ant.1	Front Side 10mm	0.631	0.202	0.185	0.057	0.833	0.873
		Back Side 10mm	1.011	0.282	0.253	0.105	1.293	1.369
		Left Edge 10mm	0.095	0.208	0.138	0.062	0.303	0.295
		Right Edge 10mm	0.453	0.006	0.016	0.005	0.459	0.474
		Top Edge 10mm	0.431	0.186	0.426	0.066	0.617	0.923
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B4	Ant.1	Front Side 10mm	0.552	0.202	0.185	0.057	0.754	0.794
		Back Side 10mm	0.935	0.282	0.253	0.105	1.217	1.293
		Left Edge 10mm	0.142	0.208	0.138	0.062	0.350	0.342
		Right Edge 10mm	0.391	0.006	0.016	0.005	0.397	0.412
		Top Edge 10mm	0.486	0.186	0.426	0.066	0.672	0.978
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B5	Ant.0	Front Side 10mm	0.220	0.202	0.185	0.057	0.422	0.462
		Back Side 10mm	0.258	0.282	0.253	0.105	0.540	0.616
		Left Edge 10mm	0.217	0.208	0.138	0.062	0.425	0.417
		Right Edge 10mm	0.217	0.006	0.016	0.005	0.223	0.238
		Top Edge 10mm	0.000	0.186	0.426	0.066	0.186	0.492
		Bottom Edge 10mm	0.075	0.000	0.000	0.000	0.075	0.075
LTE B2	Ant.1	Front Side 10mm	0.578	0.202	0.185	0.057	0.780	0.820
		Back Side 10mm	0.846	0.282	0.253	0.105	1.128	1.204
		Left Edge 10mm	0.062	0.208	0.138	0.062	0.270	0.262
		Right Edge 10mm	0.455	0.006	0.016	0.005	0.461	0.476
		Top Edge 10mm	0.431	0.186	0.426	0.066	0.617	0.923
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B4	Ant.1	Front Side 10mm	0.470	0.202	0.185	0.057	0.672	0.712
		Back Side 10mm	0.914	0.282	0.253	0.105	1.196	1.272

		Left Edge 10mm	0.103	0.208	0.138	0.062	0.311	0.303
		Right Edge 10mm	0.361	0.006	0.016	0.005	0.367	0.382
		Top Edge 10mm	0.515	0.186	0.426	0.066	0.701	1.007
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B5	Ant.0	Front Side 10mm	0.196	0.202	0.185	0.057	0.398	0.438
		Back Side 10mm	0.269	0.282	0.253	0.105	0.551	0.627
		Left Edge 10mm	0.181	0.208	0.138	0.062	0.389	0.381
		Right Edge 10mm	0.202	0.006	0.016	0.005	0.208	0.223
		Top Edge 10mm	0.000	0.186	0.426	0.066	0.186	0.492
		Bottom Edge 10mm	0.087	0.000	0.000	0.000	0.087	0.087
LTE B7	Ant.1	Front Side 10mm	0.444	0.202	0.185	0.057	0.646	0.686
		Back Side 10mm	0.544	0.282	0.253	0.105	0.826	0.902
		Left Edge 10mm	0.035	0.208	0.138	0.062	0.243	0.235
		Right Edge 10mm	0.518	0.006	0.016	0.005	0.524	0.539
		Top Edge 10mm	0.364	0.186	0.426	0.066	0.550	0.856
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B12	Ant.0	Front Side 10mm	0.276	0.202	0.185	0.057	0.478	0.518
		Back Side 10mm	0.360	0.282	0.253	0.105	0.642	0.718
		Left Edge 10mm	0.349	0.208	0.138	0.062	0.557	0.549
		Right Edge 10mm	0.340	0.006	0.016	0.005	0.346	0.361
		Top Edge 10mm	0.000	0.186	0.426	0.066	0.186	0.492
		Bottom Edge 10mm	0.054	0.000	0.000	0.000	0.054	0.054
LTE B17	Ant.0	Front Side 10mm	0.283	0.202	0.185	0.057	0.485	0.525
		Back Side 10mm	0.357	0.282	0.253	0.105	0.639	0.715
		Left Edge 10mm	0.327	0.208	0.138	0.062	0.535	0.527
		Right Edge 10mm	0.338	0.006	0.016	0.005	0.344	0.359
		Top Edge 10mm	0.000	0.186	0.426	0.066	0.186	0.492
		Bottom Edge 10mm	0.056	0.000	0.000	0.000	0.056	0.056
LTE B26	Ant.0	Front Side 10mm	0.207	0.202	0.185	0.057	0.409	0.449
		Back Side 10mm	0.276	0.282	0.253	0.105	0.558	0.634
		Left Edge 10mm	0.206	0.208	0.138	0.062	0.414	0.406
		Right Edge 10mm	0.196	0.006	0.016	0.005	0.202	0.217
		Top Edge 10mm	0.000	0.186	0.426	0.066	0.186	0.492
		Bottom Edge 10mm	0.081	0.000	0.000	0.000	0.081	0.081
LTE B66	Ant.1	Front Side 10mm	0.571	0.202	0.185	0.057	0.773	0.813
		Back Side 10mm	1.054	0.282	0.253	0.105	1.336	1.412
		Left Edge 10mm	0.103	0.208	0.138	0.062	0.311	0.303
		Right Edge 10mm	0.418	0.006	0.016	0.005	0.424	0.439
		Top Edge 10mm	0.547	0.186	0.426	0.066	0.733	1.039
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B38	Ant.1	Front Side 10mm	0.450	0.202	0.185	0.057	0.652	0.692
		Back Side 10mm	0.682	0.282	0.253	0.105	0.964	1.040
		Left Edge 10mm	0.051	0.208	0.138	0.062	0.259	0.251

		Right Edge 10mm	0.501	0.006	0.016	0.005	0.507	0.522
		Top Edge 10mm	0.361	0.186	0.426	0.066	0.547	0.853
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B41	Ant.1	Front Side 10mm	0.429	0.202	0.185	0.057	0.631	0.671
		Back Side 10mm	0.664	0.282	0.253	0.105	0.946	1.022
		Left Edge 10mm	0.044	0.208	0.138	0.062	0.252	0.244
		Right Edge 10mm	0.461	0.006	0.016	0.005	0.467	0.482
		Top Edge 10mm	0.377	0.186	0.426	0.066	0.563	0.869
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000

Note:

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

2: The highest Summed 1g SAR is 1.412 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.4 Specific Simultaneous Transmission SAR Evaluation for WWAN and WLAN

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI	Bluetooth	1+2	1+3+4
LTE B7	Ant.1	Back Side 0mm	1.975	0.000	0.479	0.000	1.975	2.454
		Right Edge 0mm	1.205	0.000	0.041	0.000	1.205	1.246
Note: 1: The simultaneous transmission combinations of the antennas antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table. 2: The highest Summed 10g SAR is 2.454 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.								

14 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1208	2021/07/05	2024/07/05
835MHz Validation Dipole	Speag	D835V2	SN: 4d277	2021/09/09	2024/09/09
1750MHz Validation Dipole	Speag	D1750V2	SN: 1183	2021/07/06	2024/07/06
1950MHz Validation Dipole	Speag	D1950V2	SN: 1240	2021/09/13	2024/09/13
2450MHz Validation Dipole	Speag	D2450V2	SN: 1062	2021/07/05	2024/07/05
2600MHz Validation Dipole	Speag	D2600V2	SN: 1184	2021/07/05	2024/07/05
5GHz Validation Dipole	Speag	D5GHZV2	SN: 1333	2021/09/14	2024/09/14
Data Acquisition Electronicsr	Speag	DAE4	SN: 1711	2024/03/18	2025/03/18
E-Field Probe	Speag	EX3DV4	SN: 7506	2023/06/29	2024/06/29
Signal Generator	R&S	SMB100A	177746	2024/04/24	2025/04/24
Power Meter	R&S	NRVD-B2	835843/014	2023/09/05	2024/09/05
Power Sensor	R&S	NRV-Z4	100381	2023/09/05	2024/09/05
Power Sensor	R&S	NRV-Z2	100211	2023/09/05	2024/09/05
Wireless Communication Test Set	Anritsu	MT8820C	6201144551	2023/06/29	2024/06/29
Network Analyzer	Agilent	E5071C	MY46103472	2023/11/14	2024/11/14
Thermometer	Elitech	RC-4	EF5238001629	2023/10/09	2024/10/09
Thermometer	Elitech	RC-4HC	EF7239002655	2023/11/17	2024/11/17
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 1576	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

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

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

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

The dielectric parameters of the liquids were verified prior to the SAR evaluation using an SCLMP 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 (%)
2024.05.20	Head	750	21.1	0.92	41.06	0.89	41.94	3.37	-2.10
2024.05.07	Head	835	21.2	0.89	42.34	0.90	41.50	-1.11	2.02
2024.05.08	Head	835	21.3	0.88	42.48	0.90	41.50	-2.22	2.36
2024.06.07	Head	1750	21.5	1.39	39.89	1.37	40.08	1.46	-0.47
2024.06.10	Head	1750	21.3	1.39	39.95	1.37	40.08	1.46	-0.32
2024.06.08	Head	1950	21.2	1.42	39.61	1.40	40.00	1.43	-0.98
2024.06.09	Head	1950	21.1	1.42	39.62	1.40	40.00	1.43	-0.95
2024.05.11	Head	2450	21.5	1.82	38.82	1.80	39.20	1.11	-0.97
2024.06.11	Head	2600	21.4	1.99	38.96	1.96	39.01	1.53	-0.13
2024.05.13	Head	2600	21.1	1.96	39.16	1.96	39.01	0.00	0.38
2024.05.14	Head	5200	21.3	4.62	36.75	4.66	35.99	-0.86	2.11
2024.05.14	Head	5300	21.3	4.81	35.63	4.76	35.87	0.95	-0.66
2024.05.15	Head	5600	21.6	5.11	35.78	5.07	35.53	0.79	0.70
2024.05.16	Head	5800	21.4	5.26	35.27	5.27	35.30	-0.19	-0.09

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 (%)
2024.05.20	Head	750	100	0.846	8.46	8.51	-0.59
2024.05.07	Head	835	100	0.975	9.75	9.72	0.31
2024.05.08	Head	835	100	0.972	9.72	9.72	0.00
2024.06.07	Head	1750	100	3.670	36.70	36.50	0.55
2024.06.10	Head	1750	100	3.610	36.10	36.50	-1.10
2024.06.08	Head	1950	100	4.120	41.20	41.40	-0.48
2024.06.09	Head	1950	100	4.160	41.60	41.40	0.48
2024.05.11	Head	2450	100	5.340	53.40	54.20	-1.48
2024.06.11	Head	2600	100	5.720	57.20	57.20	0.00
2024.05.13	Head	2600	100	5.680	56.80	57.20	-0.70
2024.05.14	Head	5200	100	8.120	81.20	80.10	1.37
2024.05.14	Head	5300	100	8.230	82.30	81.80	0.61
2024.05.15	Head	5600	100	8.340	83.40	83.60	-0.24
2024.05.16	Head	5800	100	8.230	82.30	82.30	0.00
Note: The tolerance limit of System validation $\pm 10\%$.							

Head liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.06.11	Head	2600	100	2.590	25.90	25.50	1.57
2024.05.14	Head	5300	100	2.360	23.60	23.40	0.85
2024.05.15	Head	5600	100	2.360	23.60	23.80	-0.84
Note: The tolerance limit of System validation $\pm 10\%$.							

System Performance Check Data (750MHz)

Date: 2024.05.20

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

Medium parameters used (extrapolated): $f = 750$ MHz; $\sigma = 0.919$ S/m; $\epsilon_r = 41.055$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.54, 10.54, 10.54); Calibrated: 2023.06.29;
- 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) = 0.922 W/kg

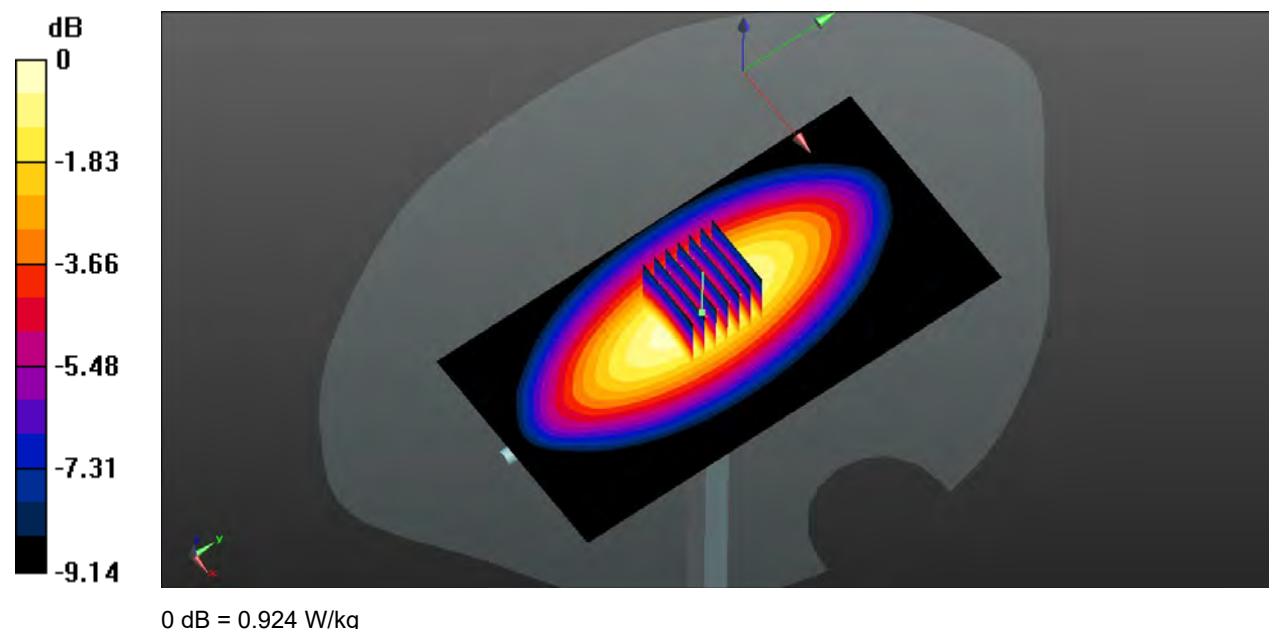
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 28.74 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.846 W/kg; SAR(10 g) = 0.551 W/kg

Maximum value of SAR (measured) = 0.924 W/kg



System Performance Check Data (835MHz)

Date: 2024.05.07

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.892$ S/m; $\epsilon_r = 42.336$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- 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) = 1.01 W/kg

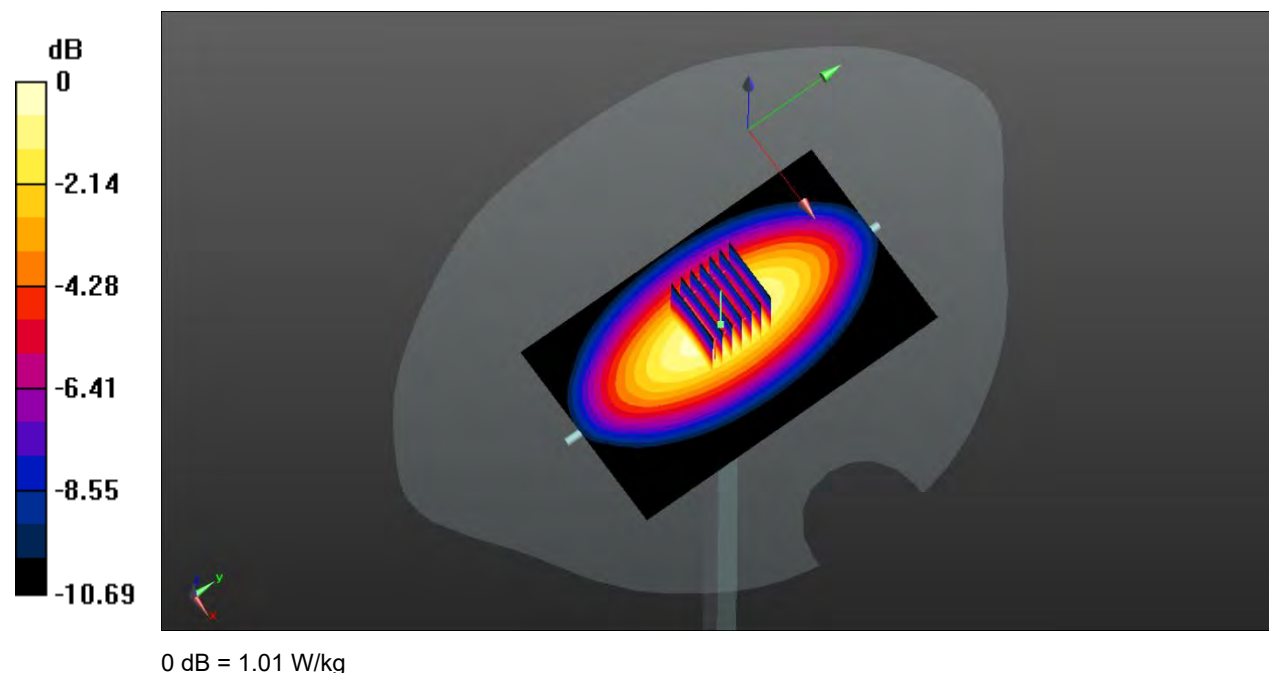
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 33.02 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.975 W/kg; SAR(10 g) = 0.629 W/kg

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



System Performance Check Data (835MHz)

System Check: Head 835 MHz

Date: 2024.05.08

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 42.479$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- 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) = 1.04 W/kg

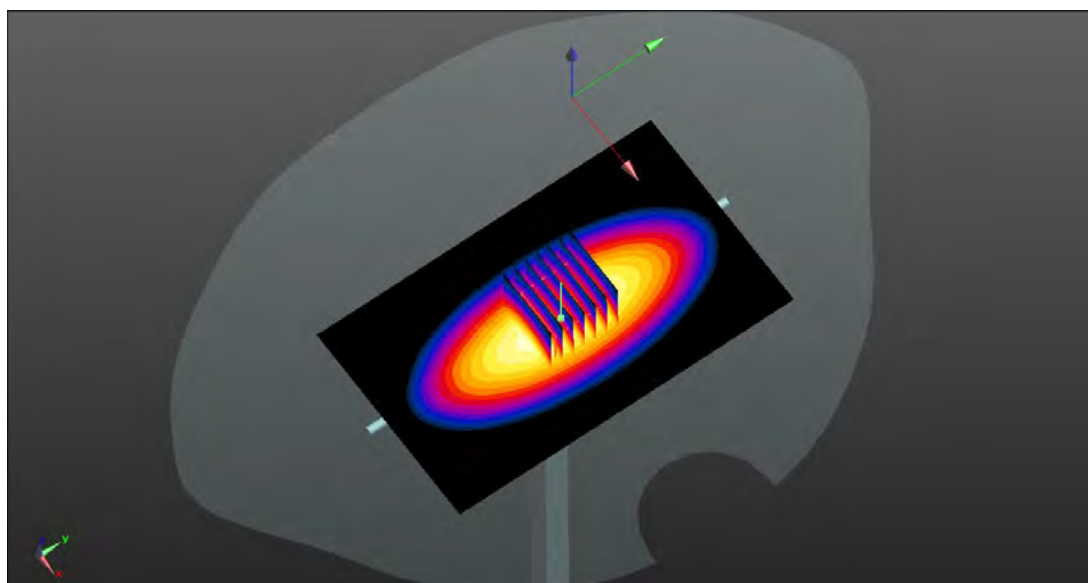
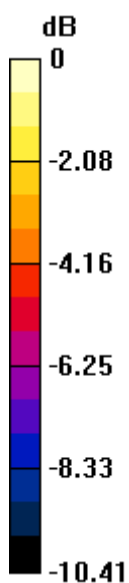
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 34.61 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.972 W/kg; SAR(10 g) = 0.624 W/kg

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



0 dB = 1.02 W/kg

System Performance Check Data (1750MHz)

Date: 2024.06.07

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

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.391$ S/m; $\epsilon_r = 39.891$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- 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) = 4.28 W/kg

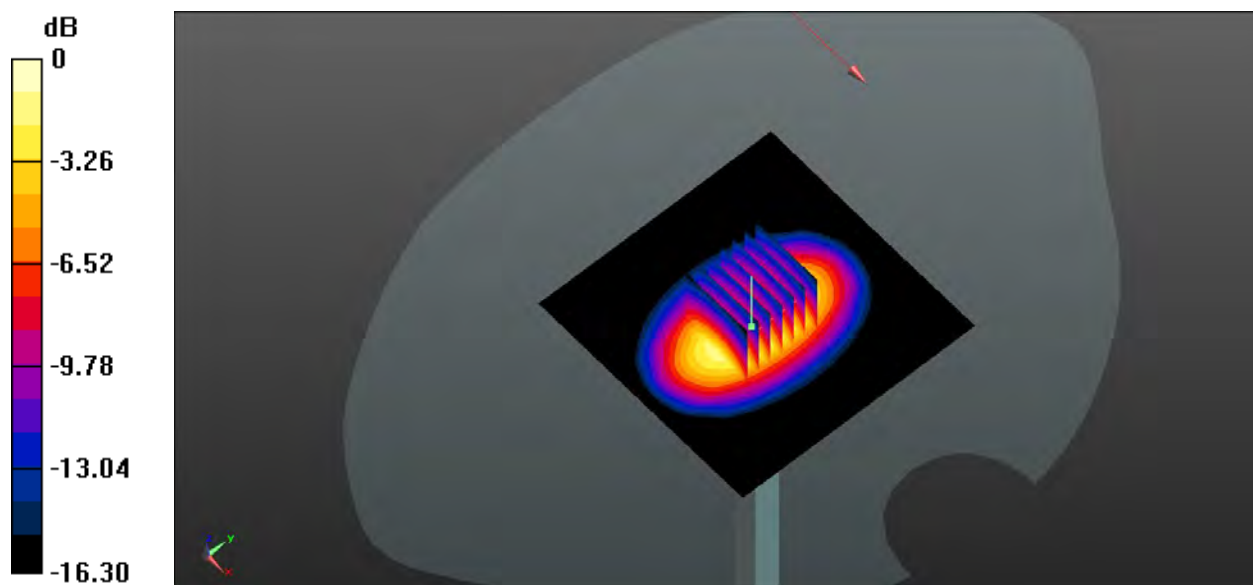
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 54.36 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 6.96 W/kg

SAR(1 g) = 3.67 W/kg; SAR(10 g) = 1.93 W/kg

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



0 dB = 4.21 W/kg

System Performance Check Data (1750MHz)

Date: 2024.06.10

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.389$ S/m; $\epsilon_r = 39.951$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- 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) = 4.11 W/kg

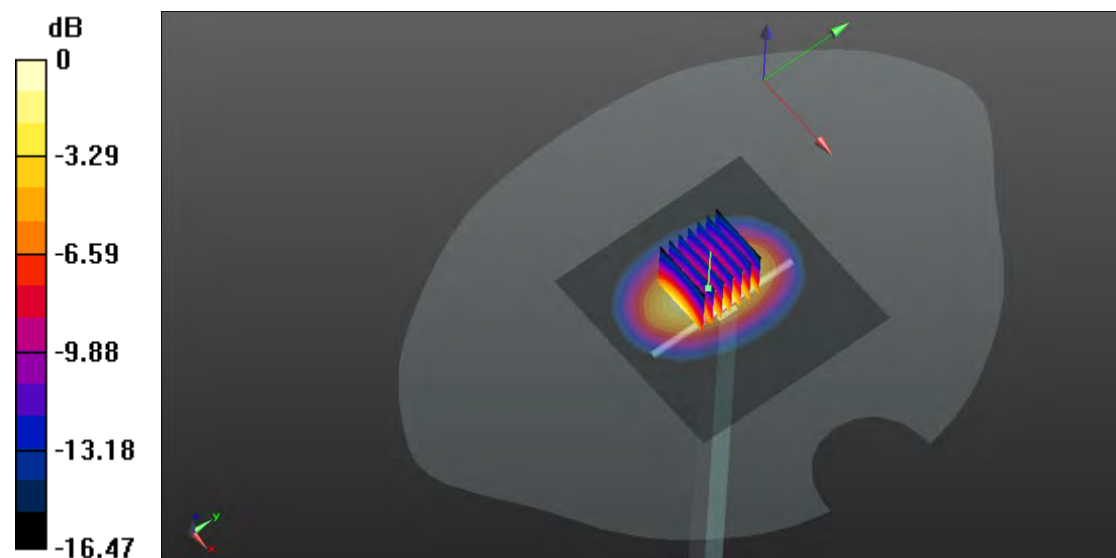
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 46.91 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 6.65 W/kg

SAR(1 g) = 3.61 W/kg; SAR(10 g) = 1.89 W/kg

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



0 dB = 4.15 W/kg

System Performance Check Data (1950MHz)

Date: 2024.06.08

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

Medium parameters used: $f = 1950$ MHz; $\sigma = 1.424$ S/m; $\epsilon_r = 39.612$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.31, 8.31, 8.31); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1950/Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 4.54 W/kg

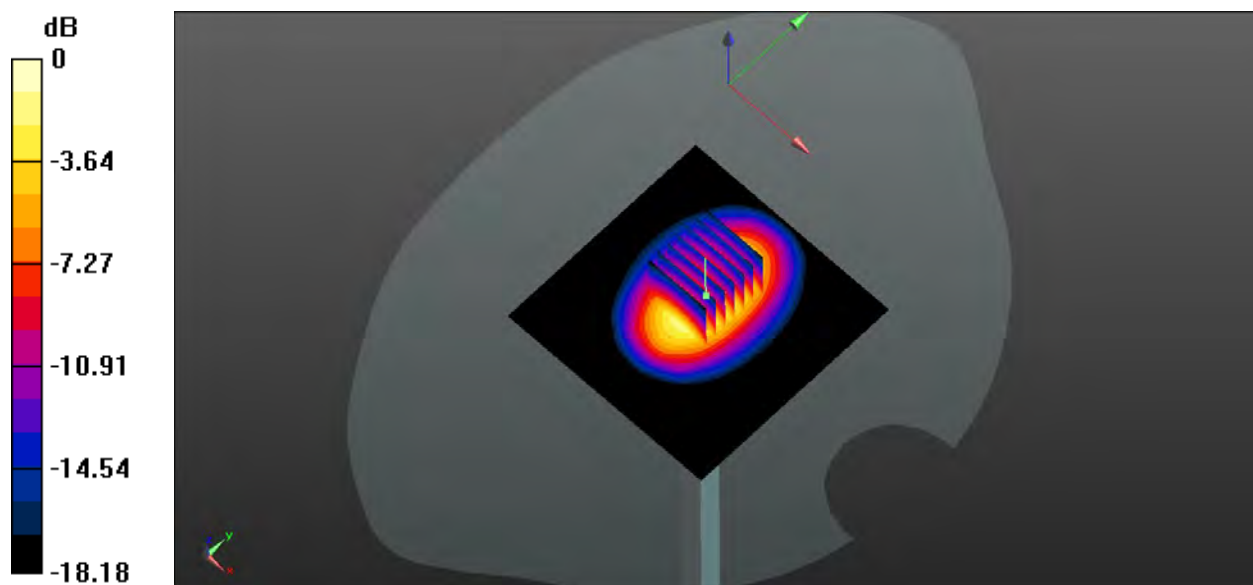
CW 1950/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 53.05 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 7.48 W/kg

SAR(1 g) = 4.12 W/kg; SAR(10 g) = 2.11 W/kg

Maximum value of SAR (measured) = 4.49 W/kg



0 dB = 4.49 W/kg

System Performance Check Data (1950MHz)

Date: 2024.06.09

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

Medium parameters used: $f = 1950$ MHz; $\sigma = 1.415$ S/m; $\epsilon_r = 39.616$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.31, 8.31, 8.31); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1950/Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 4.72 W/kg

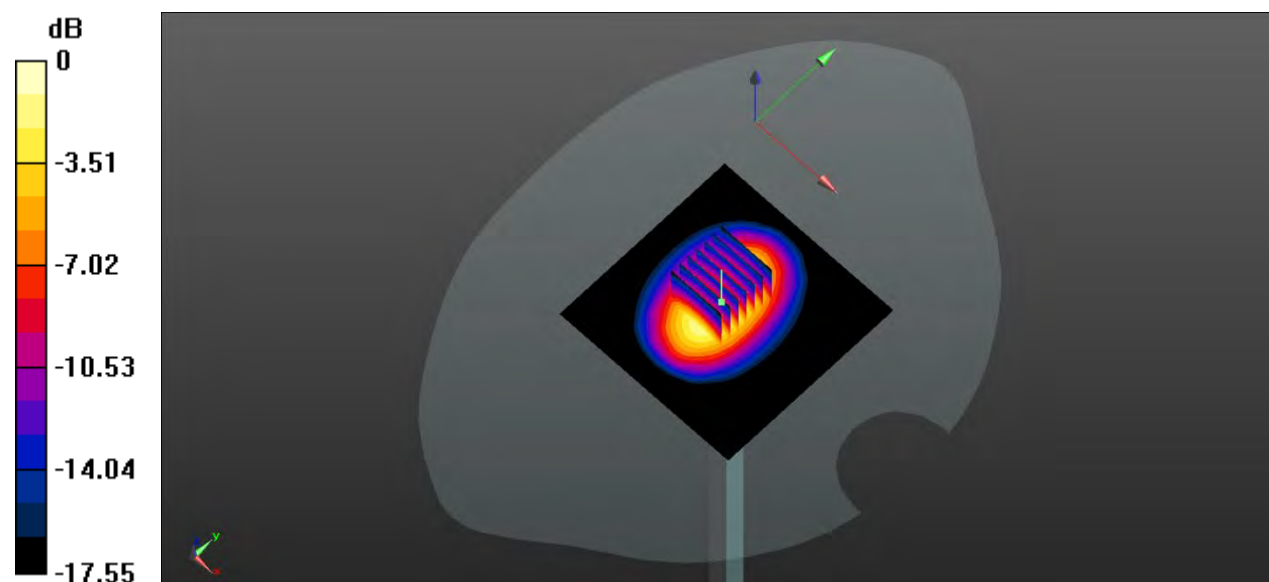
CW 1950/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 55.15 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 8.12 W/kg

SAR(1 g) = 4.16 W/kg; SAR(10 g) = 2.14 W/kg

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



0 dB = 4.64 W/kg

System Performance Check Data (2450MHz)

Date: 2024.05.11

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.816$ S/m; $\epsilon_r = 38.821$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98); Calibrated: 2023.06.29;
- 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) = 6.18 W/kg

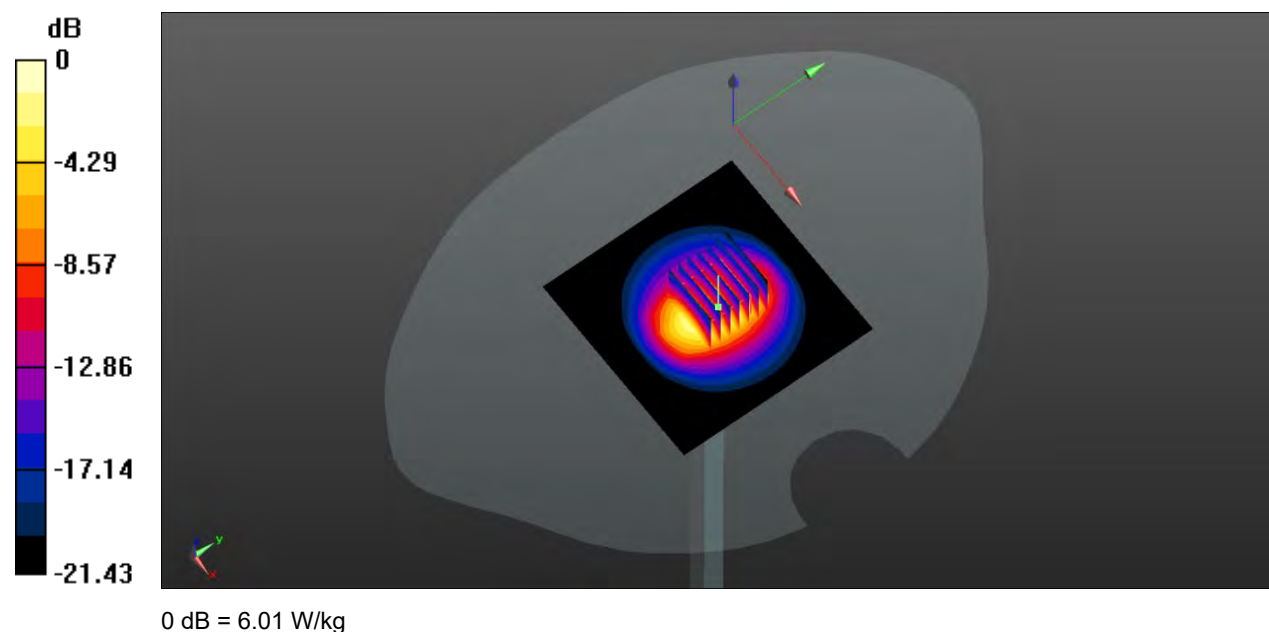
CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 57.85 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.34 W/kg; SAR(10 g) = 2.53 W/kg

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



System Performance Check Data (2600MHz)

Date: 2024.06.11

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

Medium parameters used (interpolated): $f = 2600$ MHz; $\sigma = 1.985$ S/m; $\epsilon_r = 38.961$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- 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) = 6.57 W/kg

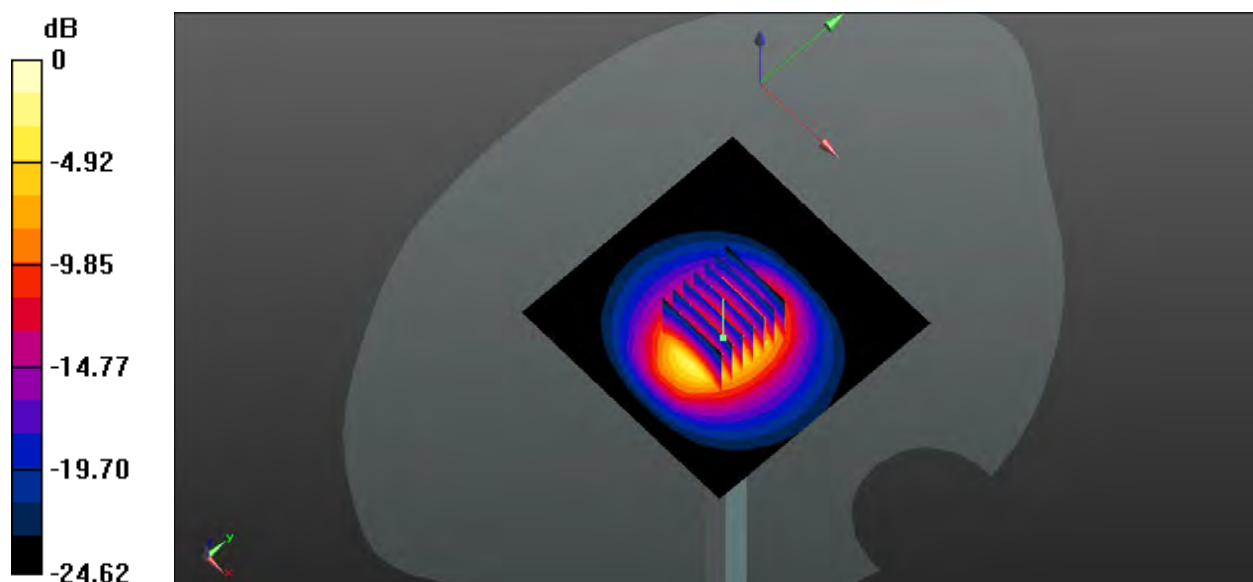
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 45.82 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 12.2 W/kg

SAR(1 g) = 5.72 W/kg; SAR(10 g) = 2.59 W/kg

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



0 dB = 6.39 W/kg

System Performance Check Data (2600MHz)

Date: 2024.05.13

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.962$ S/m; $\epsilon_r = 39.157$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- 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) = 6.14 W/kg

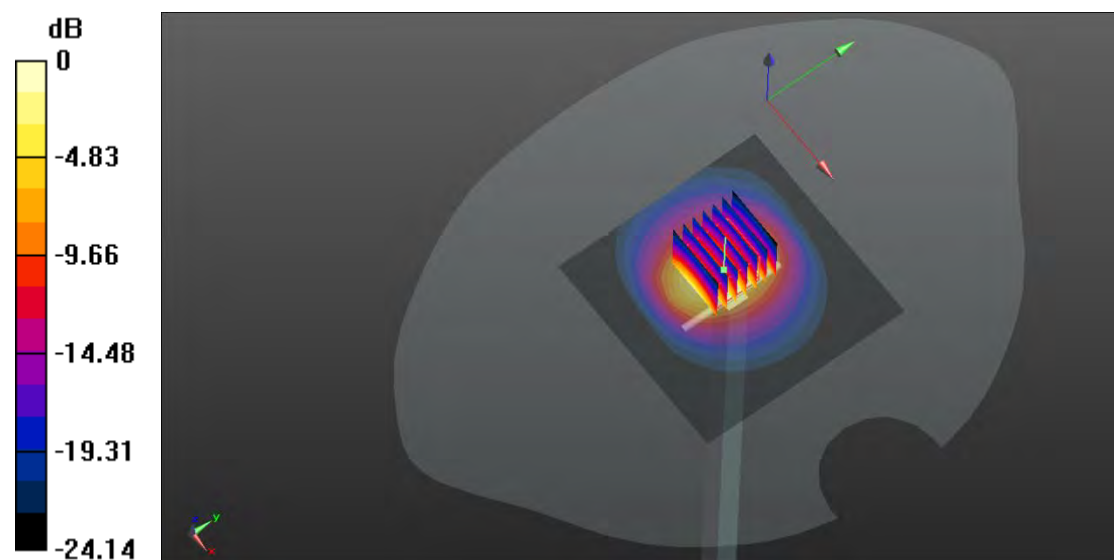
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 40.22 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 12.4 W/kg

SAR(1 g) = 5.68 W/kg; SAR(10 g) = 2.57 W/kg

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



0 dB = 6.31 W/kg

System Performance Check Data (5200MHz)

Date: 2024.05.14

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

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.616$ S/m; $\epsilon_r = 36.748$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(5.48, 5.48, 5.48); Calibrated: 2023.06.29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5200/Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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

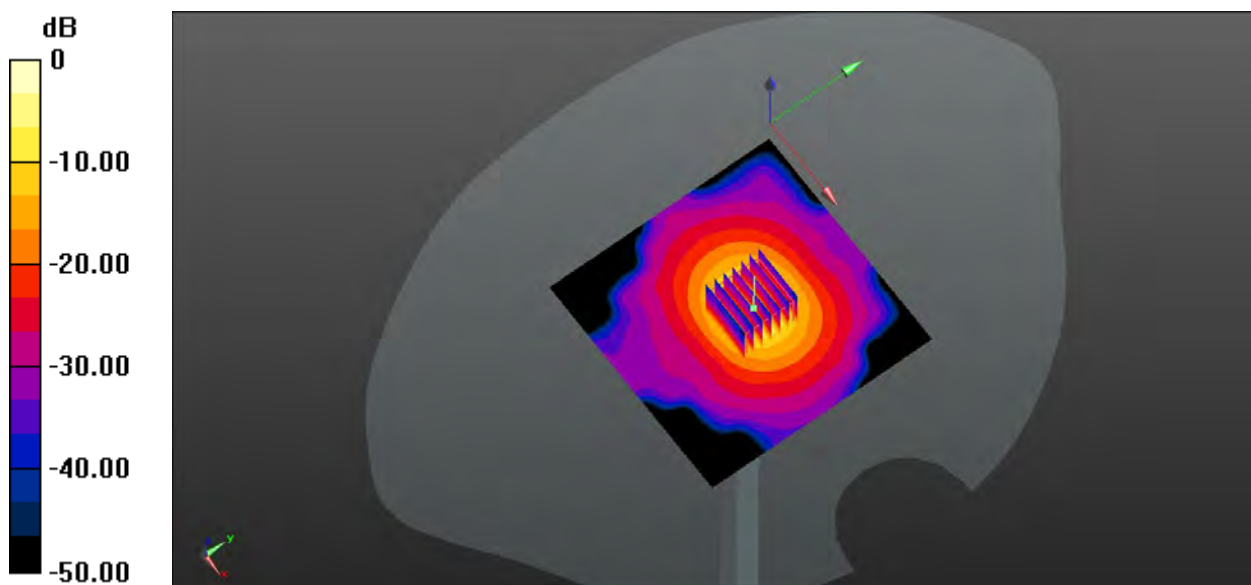
CW 5200/Zoom Scan (7x7x21)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 37.14 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 33.1 W/kg

SAR(1 g) = 8.12 W/kg; SAR(10 g) = 2.31 W/kg

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



0 dB = 19.4 W/kg

System Performance Check Data (5300MHz)

Date: 2024.05.14

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

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.805$ S/m; $\epsilon_r = 35.632$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(5.48, 5.48, 5.48); Calibrated: 2023.06.29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5300/Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 8.51 W/kg

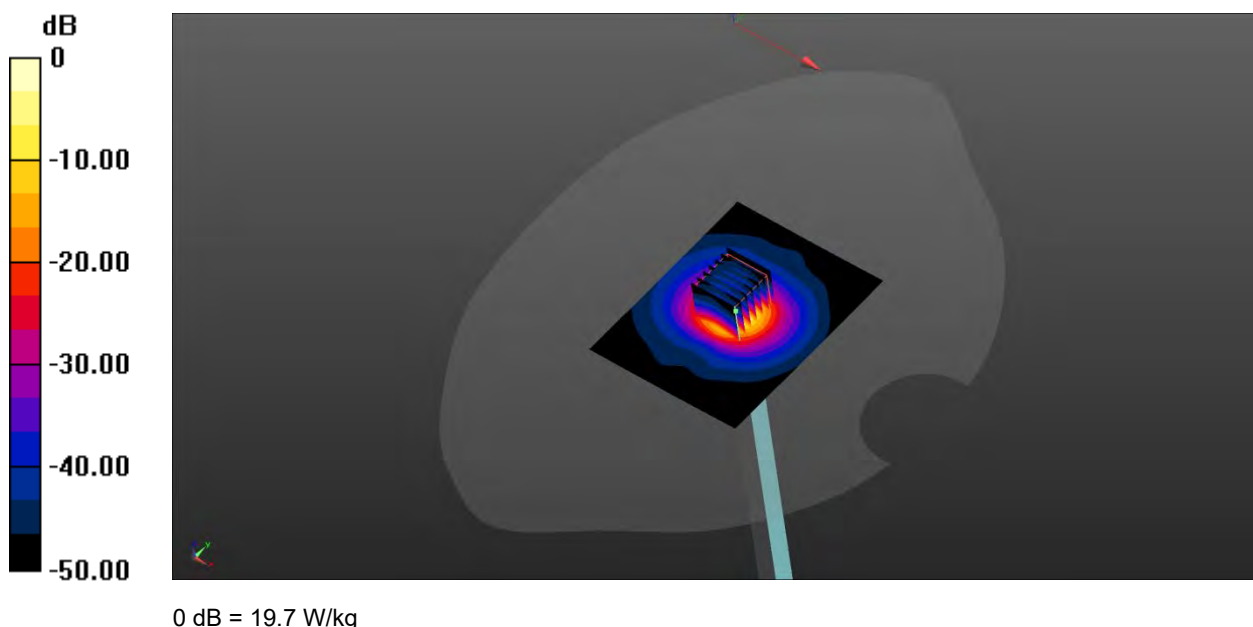
CW 5300/Zoom Scan (7x7x21)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 33.4 W/kg

SAR(1 g) = 8.23 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 19.7 W/kg



System Performance Check Data (5600MHz)

Date: 2024.05.15

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.107$ S/m; $\epsilon_r = 35.783$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.99, 4.99, 4.99); Calibrated: 2023.06.29;
- 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) = 8.37 W/kg

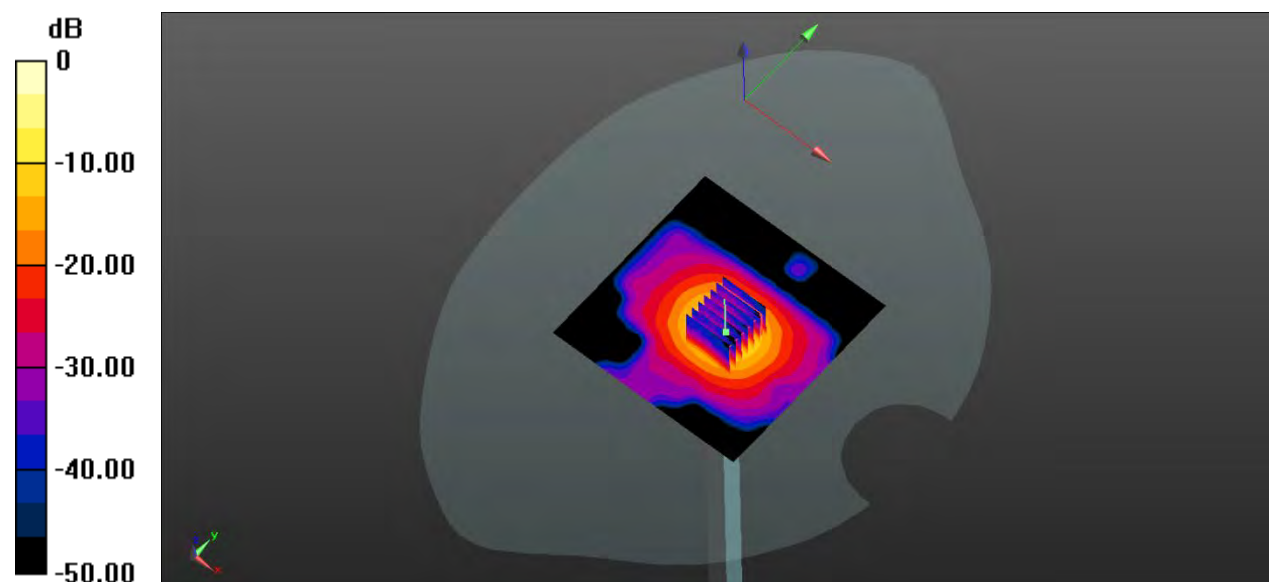
CW 5600/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 34.62 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 38.53 W/kg

SAR(1 g) = 8.34 W/kg; SAR(10 g) = 2.36 W/kg

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



0 dB = 21.6 W/kg

System Performance Check Data (5800MHz)

Date: 2024.05.16

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

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.262$ S/m; $\epsilon_r = 35.268$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.95, 4.95, 4.95); Calibrated: 2023.06.29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 8.92 W/kg

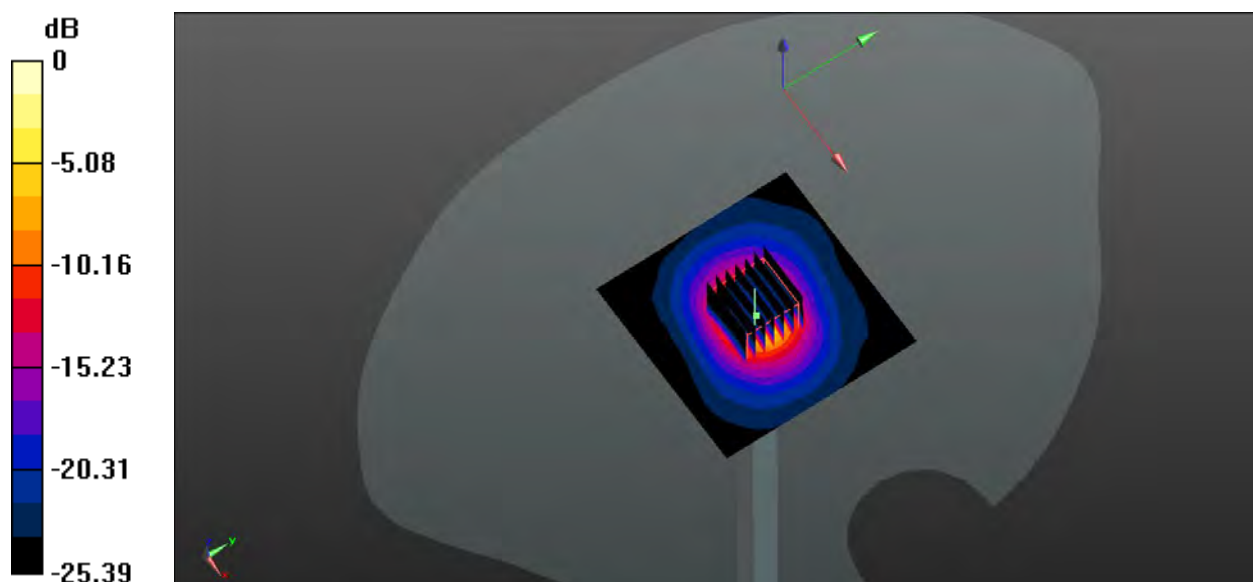
CW 5800/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 40.25 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 36.7 W/kg

SAR(1 g) = 8.23 W/kg; SAR(10 g) = 2.28 W/kg

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



0 dB = 15.6 W/kg

ANNEX C TEST DATA

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

Date: 2024.05.07

Communication System Band: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 42.607$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- 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)

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

Maximum value of SAR (interpolated) = 0.294 W/kg

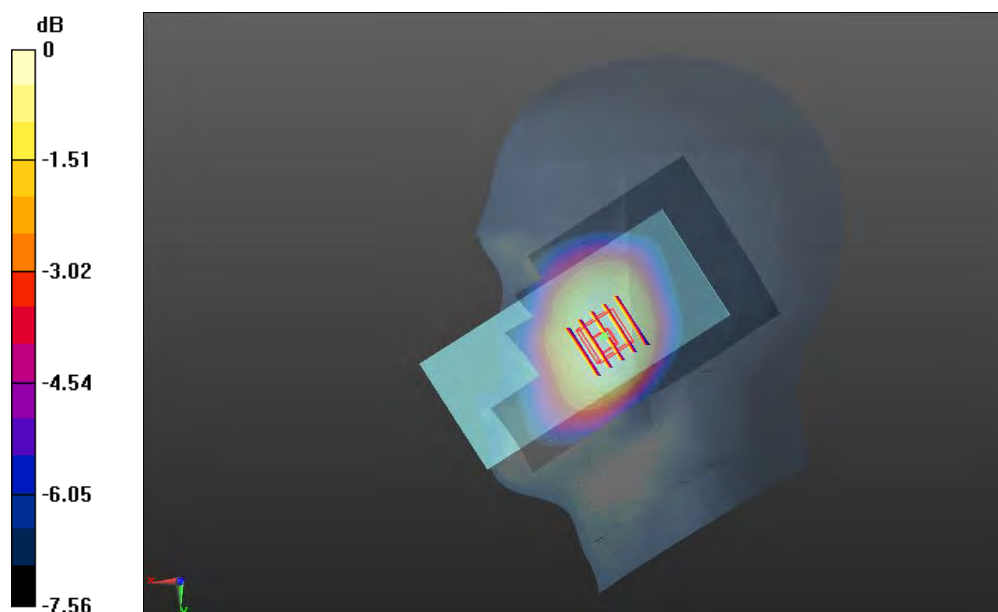
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.196 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.329 W/kg

SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.225 W/kg

Maximum value of SAR (measured) = 0.289 W/kg



0 dB = 0.289 W/kg

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

Date: 2024.05.07

Communication System Band: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 42.607$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- 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)

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

Maximum value of SAR (interpolated) = 0.322 W/kg

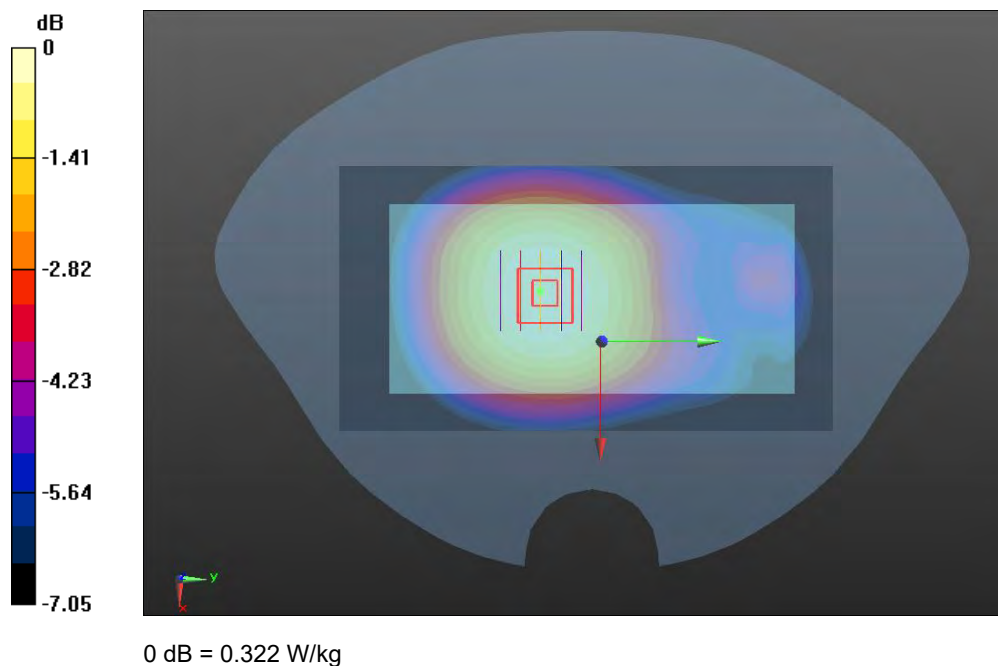
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.96 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.374 W/kg

SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 0.322 W/kg



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

Date: 2024.05.07

Communication System Band: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 42.607$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- 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)

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

Maximum value of SAR (interpolated) = 0.345 W/kg

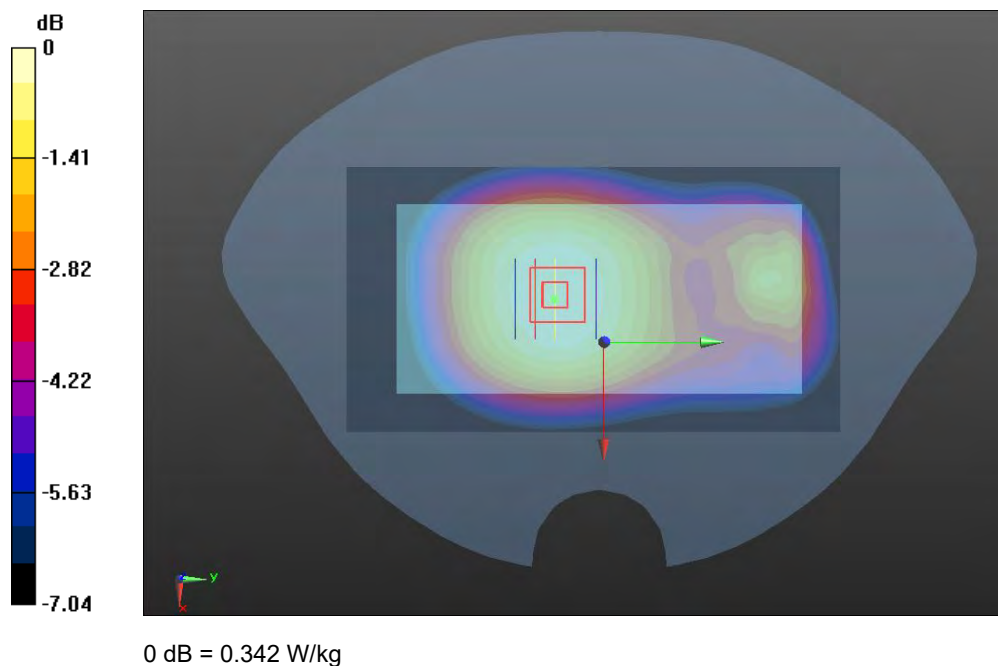
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.76 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.397 W/kg

SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.259 W/kg

Maximum value of SAR (measured) = 0.342 W/kg



Meas.4 Right Head with Cheek on Low Channel in GPRS1900 4Slots mode with Antenna 1

Date: 2024.06.08

Communication System Band: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.08

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 40.756$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- 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)

Ch512/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.17 W/kg

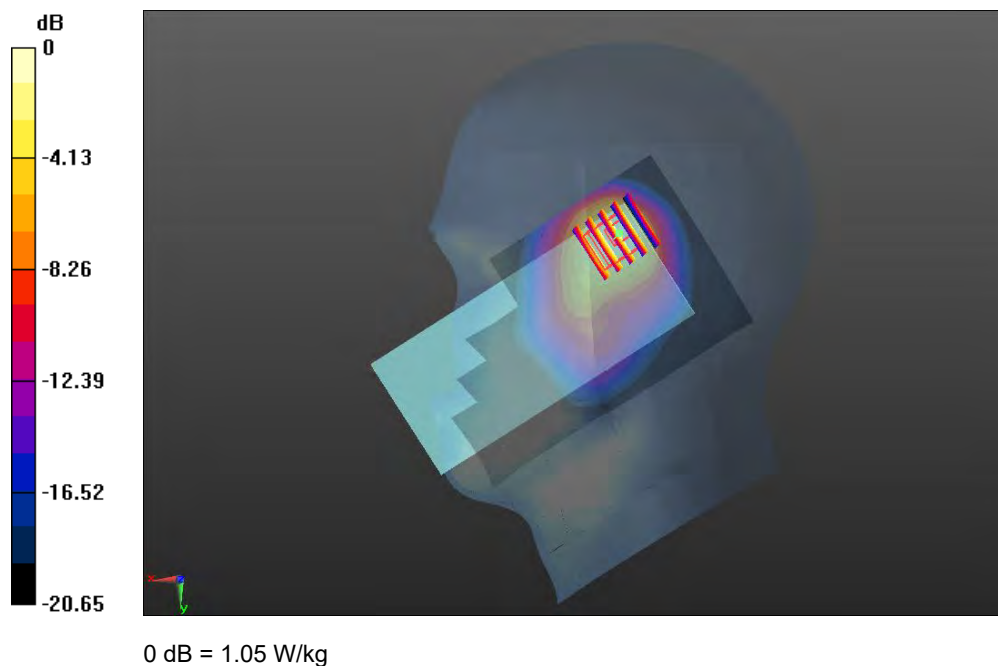
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.86 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 0.937 W/kg; SAR(10 g) = 0.540 W/kg

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



Meas.5 Body Plane with Back Side 15mm on Low Channel in GPRS1900 4Slots mode with Antenna 1

Date: 2024.06.08

Communication System Band: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.08

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 40.756$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- 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)

Ch512/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.677 W/kg

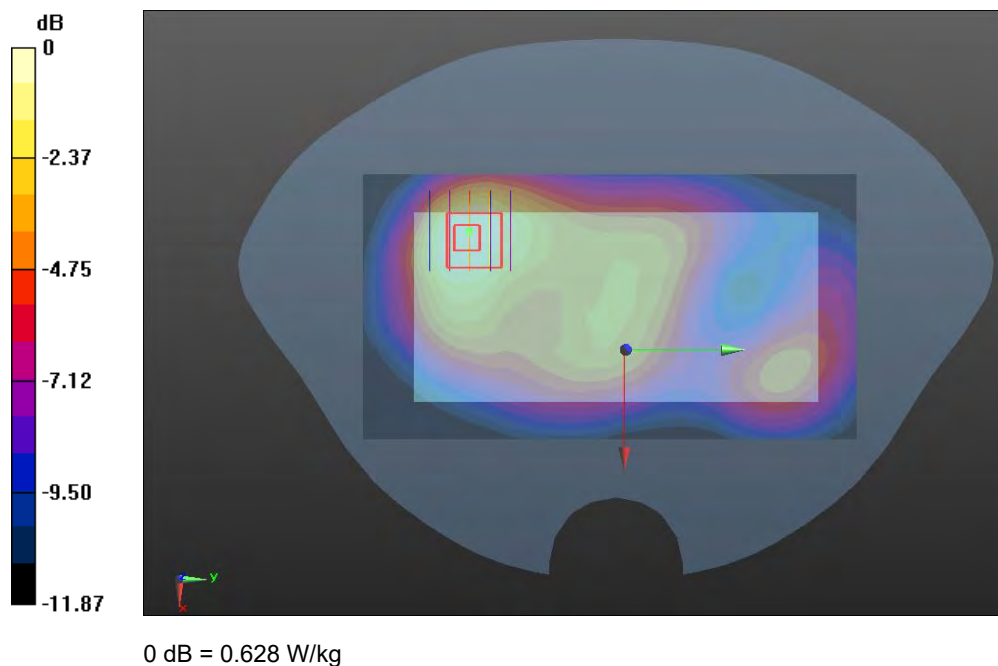
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.34 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.909 W/kg

SAR(1 g) = 0.583 W/kg; SAR(10 g) = 0.363 W/kg

Maximum value of SAR (measured) = 0.628 W/kg



Meas.6 Body Plane with Back Side 10mm on Low Channel in GPRS1900 4Slots mode with Antenna 1

Date: 2024.06.08

Communication System Band: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.08

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 40.756$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- 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)

Ch512/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

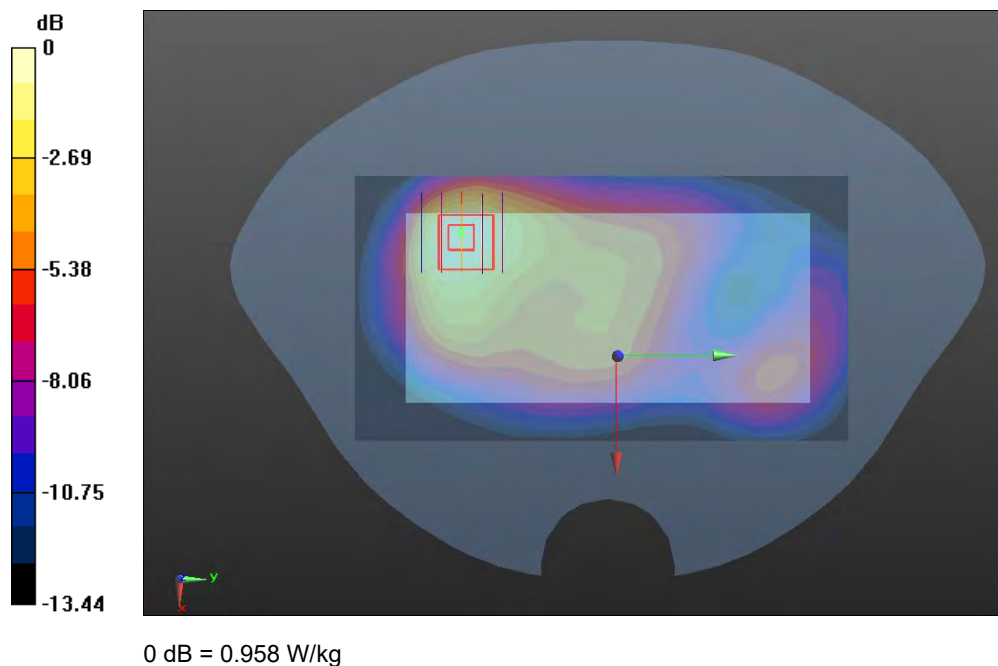
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.39 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.877 W/kg; SAR(10 g) = 0.523 W/kg

Maximum value of SAR (measured) = 0.958 W/kg



Meas.7 Right Head with Cheek on High Channel in WCDMA Band2 mode with Antenna 1

Date: 2024.06.08

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

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.405$ S/m; $\epsilon_r = 40.252$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

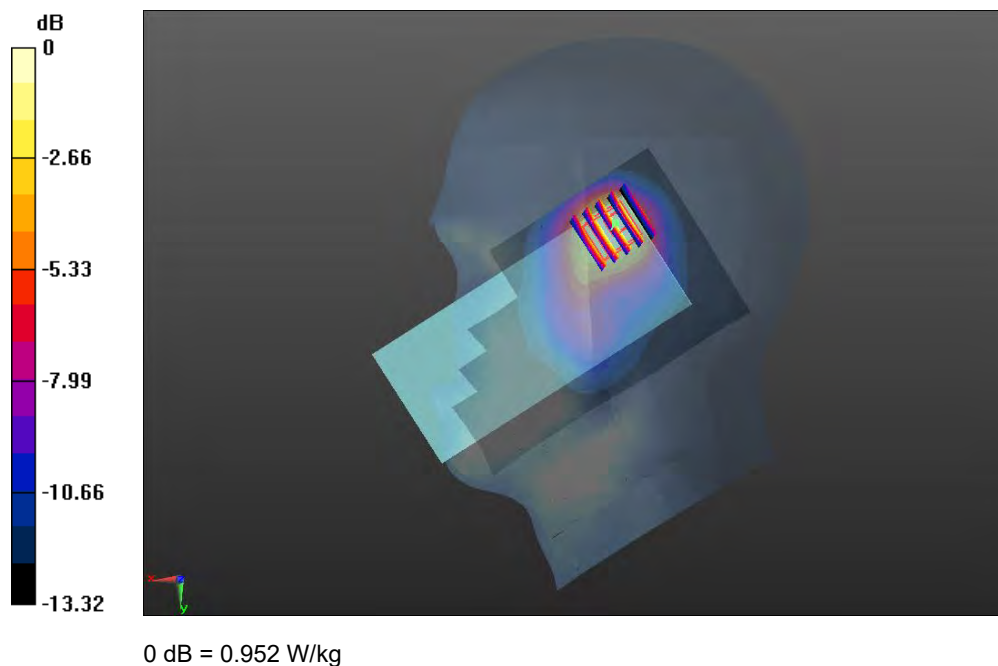
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.44 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.877 W/kg; SAR(10 g) = 0.505 W/kg

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



Meas.8 Body Plane with Back Side 15mm on High Channel in WCDMA Band2 mode with Antenna 1

Date: 2024.06.08

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

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.405$ S/m; $\epsilon_r = 40.252$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

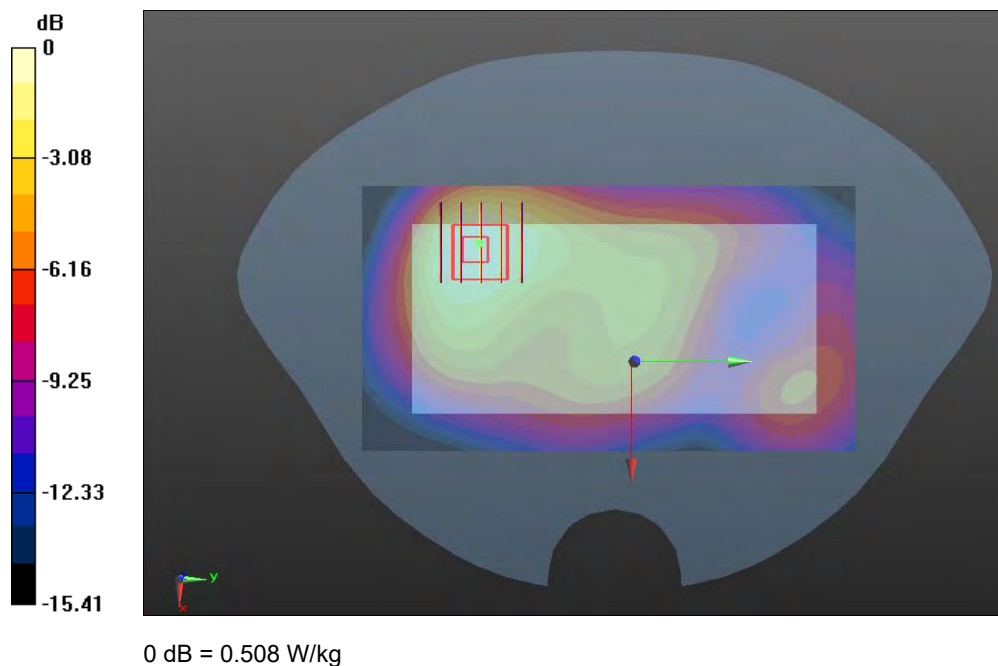
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 12.16 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.770 W/kg

SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.292 W/kg

Maximum value of SAR (measured) = 0.508 W/kg



Meas.9 Body Plane with Back Side 10mm on High Channel in WCDMA Band2 mode with Antenna 1

Date: 2024.06.08

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

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.405$ S/m; $\epsilon_r = 40.252$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.988 W/kg

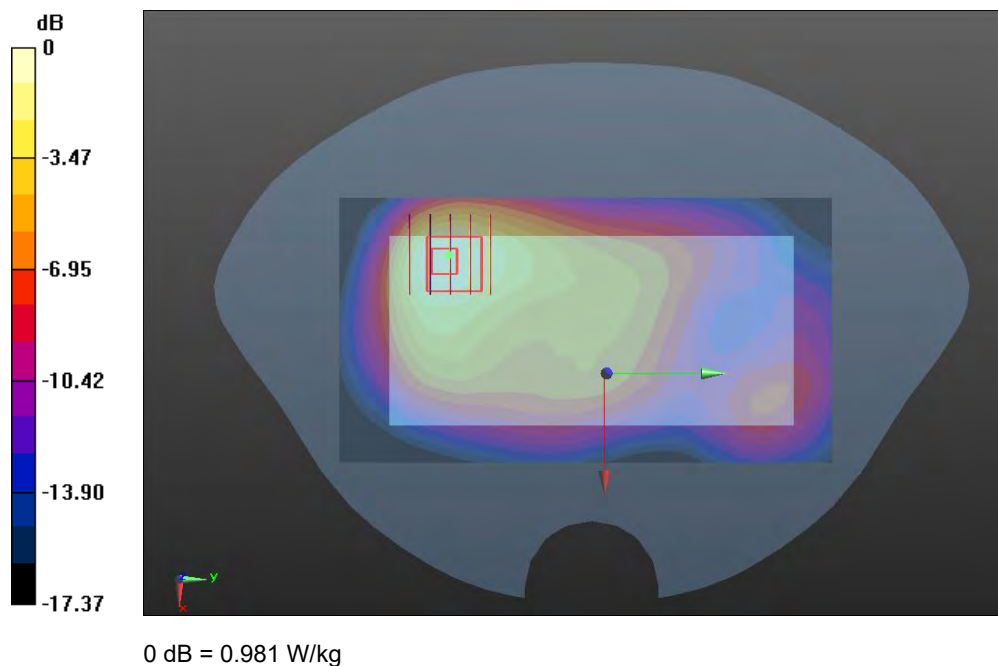
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.09 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.903 W/kg; SAR(10 g) = 0.523 W/kg

Maximum value of SAR (measured) = 0.981 W/kg



Meas.10 Right Head with Cheek on Middle Channel in WCDMA Band4 mode with Antenna 1

Date: 2024.06.07

Communication System Band: BAND 4; Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.354$ S/m; $\epsilon_r = 40.745$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- 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)

Ch1412/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.31 W/kg

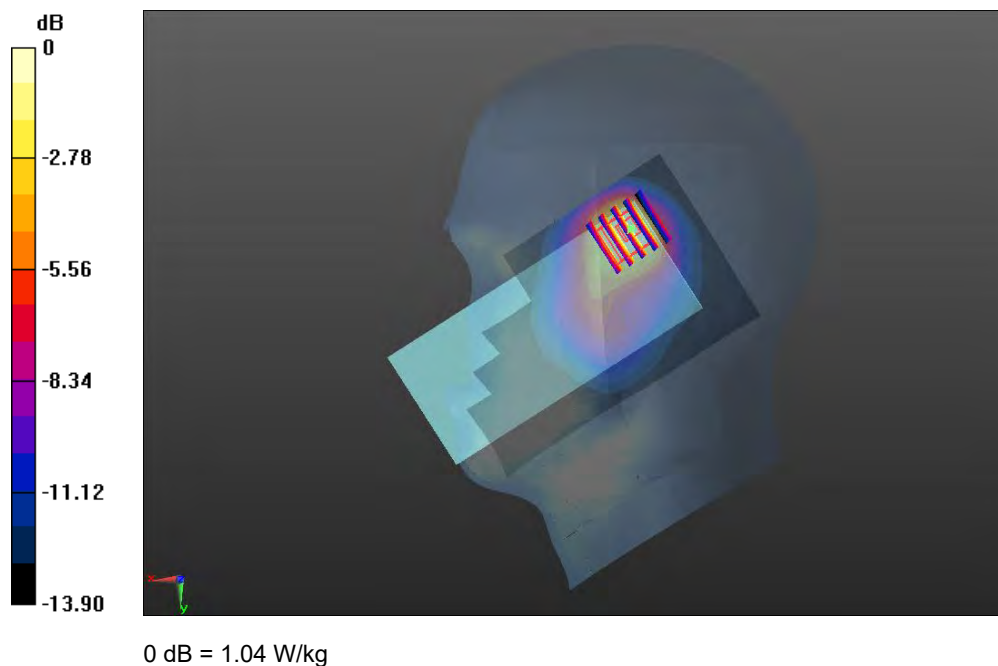
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.19 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.956 W/kg; SAR(10 g) = 0.552 W/kg

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



Meas.11 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band4 mode with Antenna 1

Date: 2024.06.07

Communication System Band: BAND 4; Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.354$ S/m; $\epsilon_r = 40.745$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- 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)

Ch1412/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.360 W/kg

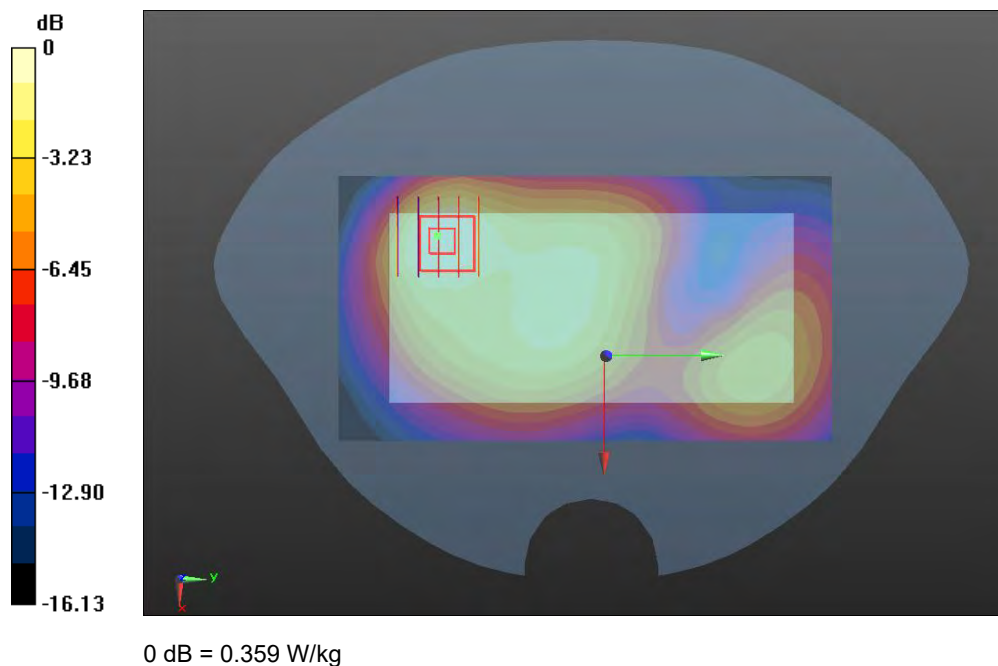
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.91 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.537 W/kg

SAR(1 g) = 0.332 W/kg; SAR(10 g) = 0.200 W/kg

Maximum value of SAR (measured) = 0.359 W/kg



Meas.12 Body Plane with Back Side 10mm on Middle Channel in WCDMA Band4 mode with Antenna 1

Date: 2024.06.07

Communication System Band: BAND 4; Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.354$ S/m; $\epsilon_r = 40.745$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- 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)

Ch1412/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.831 W/kg

Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.08 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.758 W/kg; SAR(10 g) = 0.435 W/kg

Maximum value of SAR (measured) = 0.828 W/kg



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

Date: 2024.05.07

Communication System Band: BAND 5; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 42.574$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- 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)

Ch4132/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

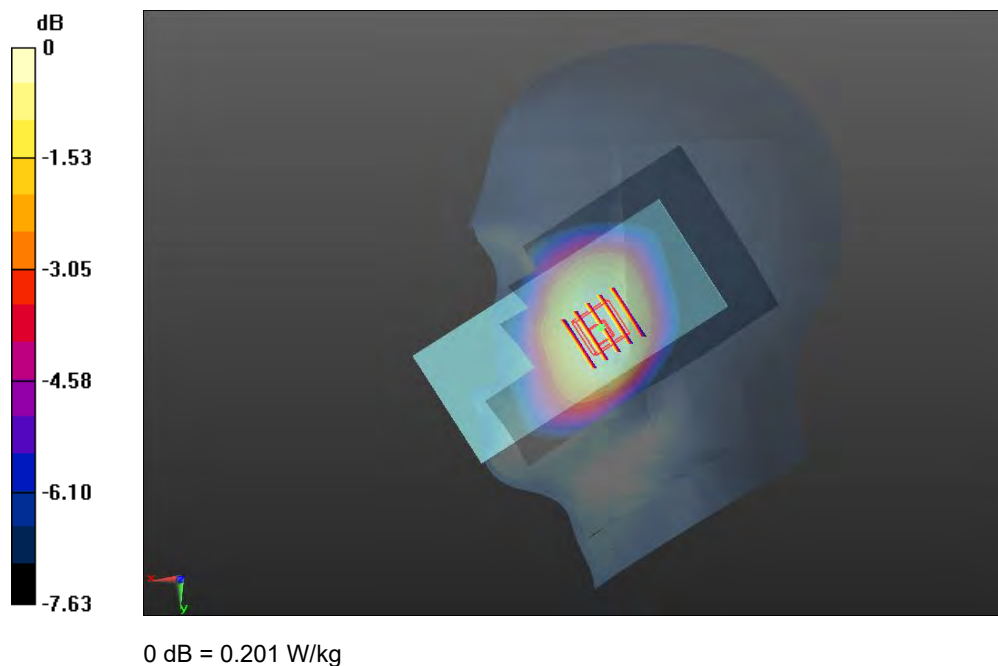
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.047 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.228 W/kg

SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.155 W/kg

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



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

Date: 2024.05.07

Communication System Band: BAND 5; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 42.574$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- 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)

Ch4132/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

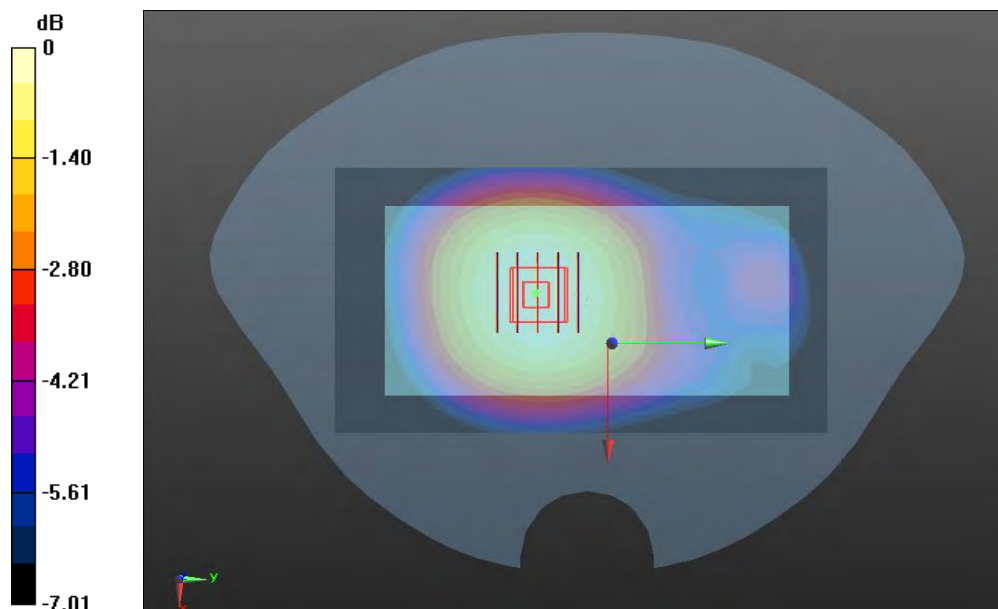
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.49 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.241 W/kg

SAR(1 g) = 0.198 W/kg; SAR(10 g) = 0.155 W/kg

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



0 dB = 0.207 W/kg

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

Date: 2024.05.07

Communication System Band: BAND 5; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 42.574$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- 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)

Ch4132/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

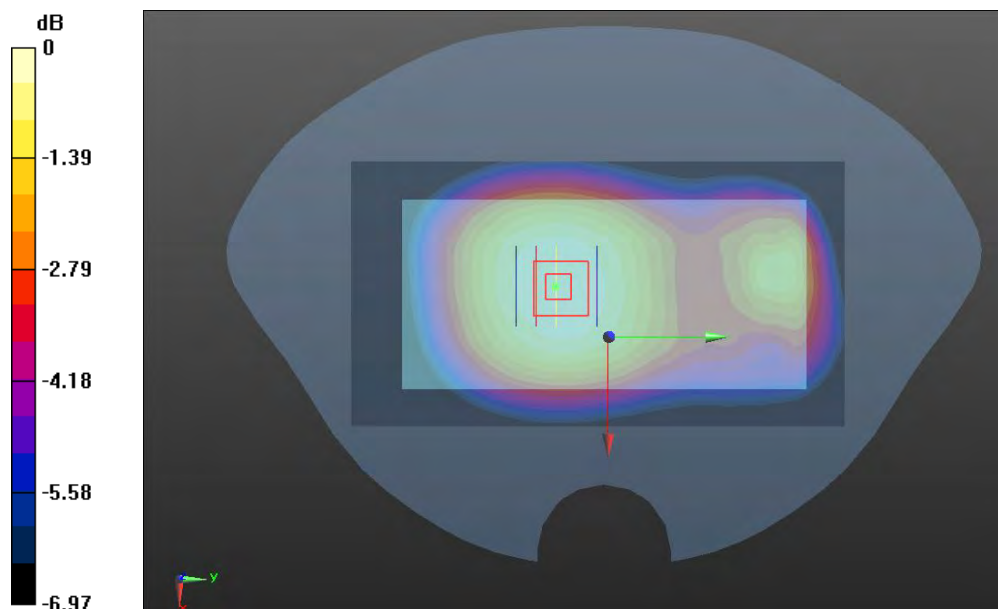
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.09 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.176 W/kg

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



0 dB = 0.233 W/kg

Meas.16 Right Head with Cheek on High Channel in LTE Band2 mode with Antenna 1

Date: 2024.06.09

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 40.368$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- 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) = 0.698 W/kg

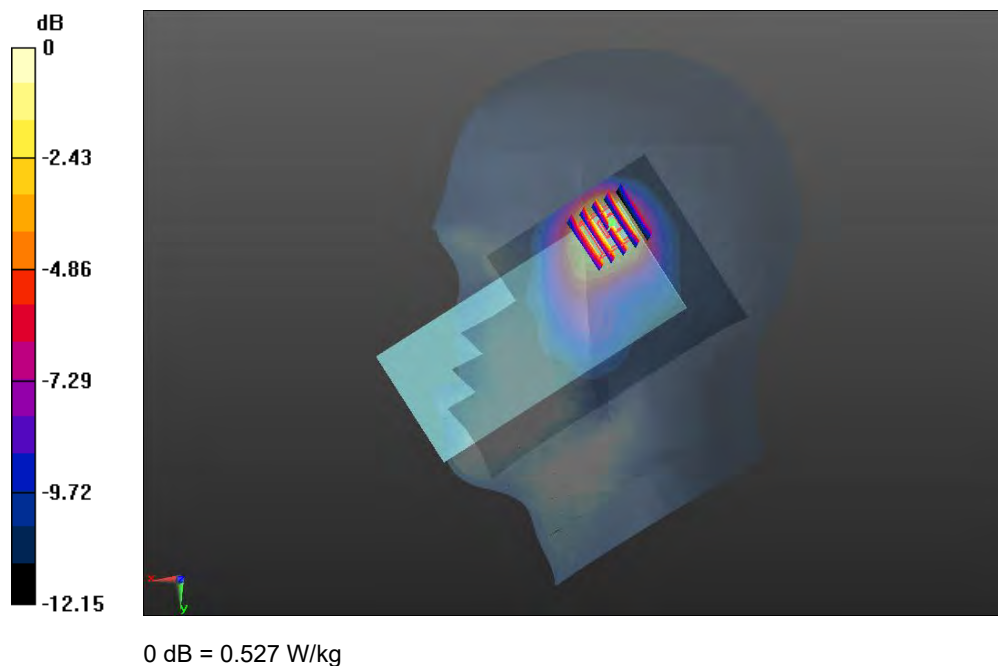
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.286 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.827 W/kg

SAR(1 g) = 0.488 W/kg; SAR(10 g) = 0.290 W/kg

Maximum value of SAR (measured) = 0.527 W/kg



Meas.17 Body Plane with Back Side 15mm on High Channel in LTE Band2 mode with Antenna 1

Date: 2024.06.09

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 40.368$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- 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) = 0.446 W/kg

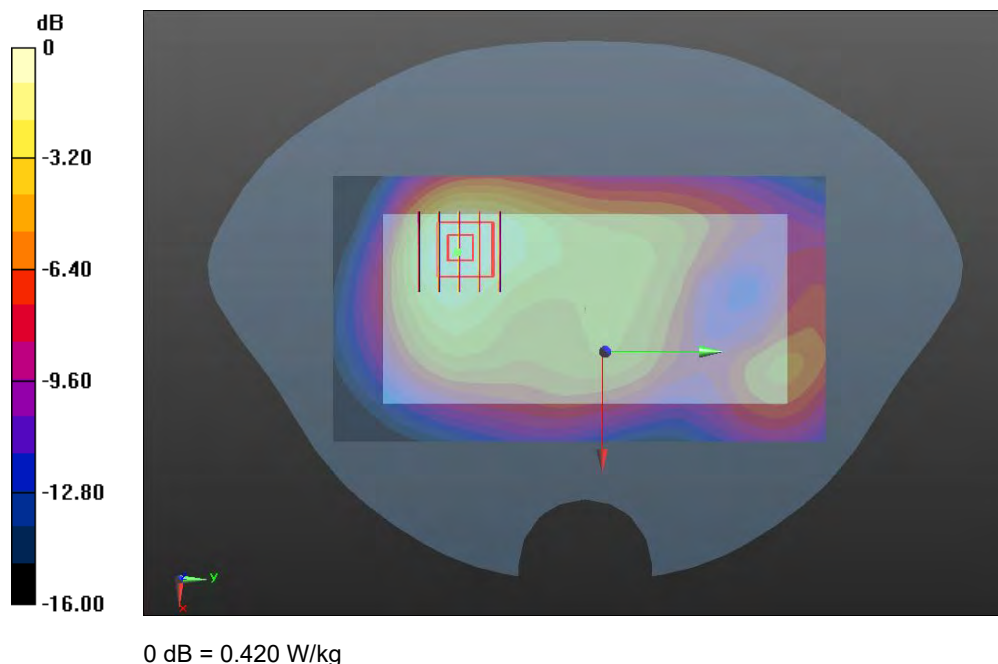
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.91 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.650 W/kg

SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.231 W/kg

Maximum value of SAR (measured) = 0.420 W/kg



Meas.18 Body Plane with Back Side 10mm on High Channel in LTE Band2 mode with Antenna 1

Date: 2024.06.09

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 40.368$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- 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) = 0.877 W/kg

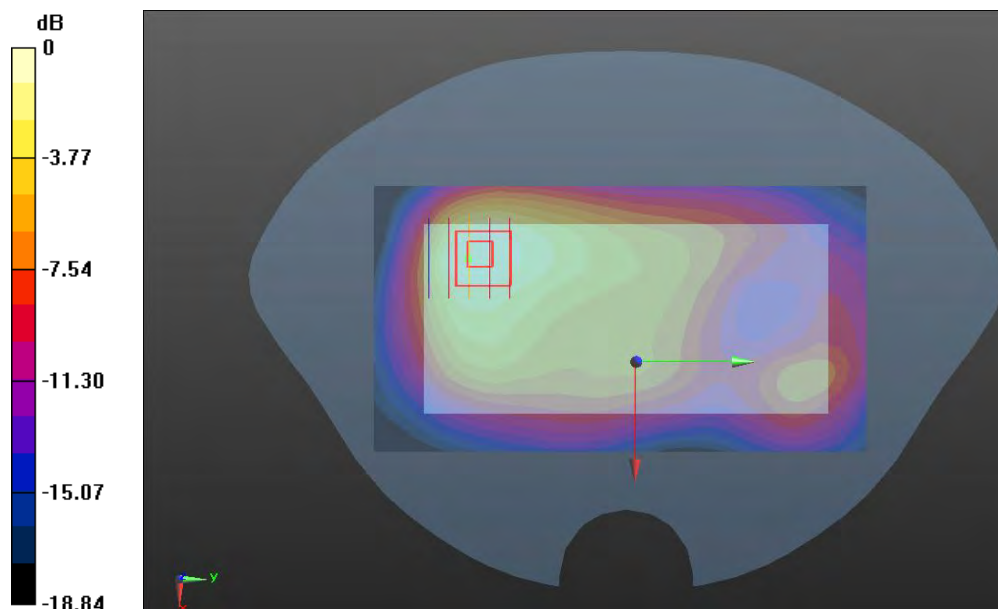
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.44 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.775 W/kg; SAR(10 g) = 0.439 W/kg

Maximum value of SAR (measured) = 0.827 W/kg



0 dB = 0.827 W/kg

Meas.19 Right Head with Cheek on High Channel in LTE Band4 mode with Antenna 1

Date: 2024.06.07

Communication System Band: BAND 4; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 40.482$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- 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)

Ch20300/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.927 W/kg

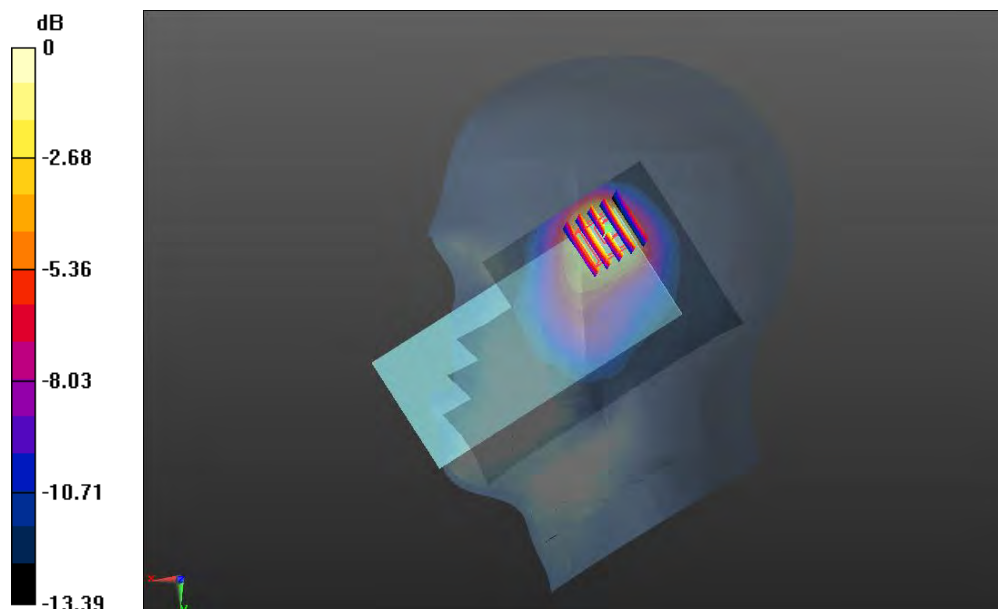
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 11.74 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.645 W/kg; SAR(10 g) = 0.384 W/kg

Maximum value of SAR (measured) = 0.696 W/kg



Meas.20 Body Plane with Back Side 15mm on High Channel in LTE Band4 mode With Antenna 1

Date: 2024.06.07

Communication System Band: BAND 4; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 40.482$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- 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)

Ch20300/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.436 W/kg

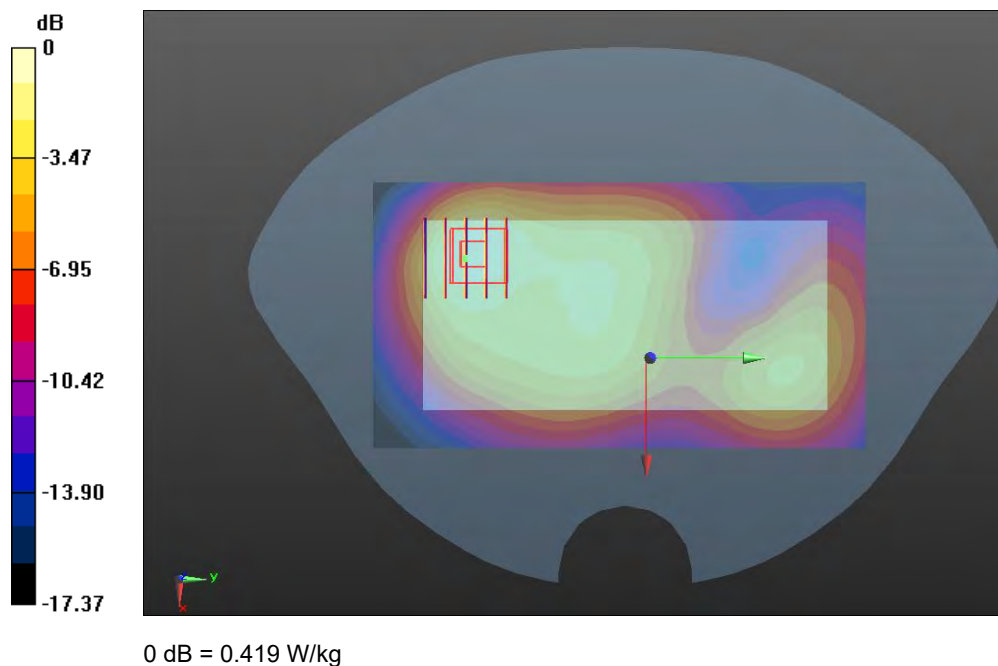
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.47 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.651 W/kg

SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.229 W/kg

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



Meas.21 Body Plane with Back Side 10mm on High Channel in LTE Band4 mode With Antenna 1

Date: 2024.06.07

Communication System Band: BAND 4; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 40.482$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.6°C Liquid Temperature:21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- 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)

Ch20300/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.932 W/kg

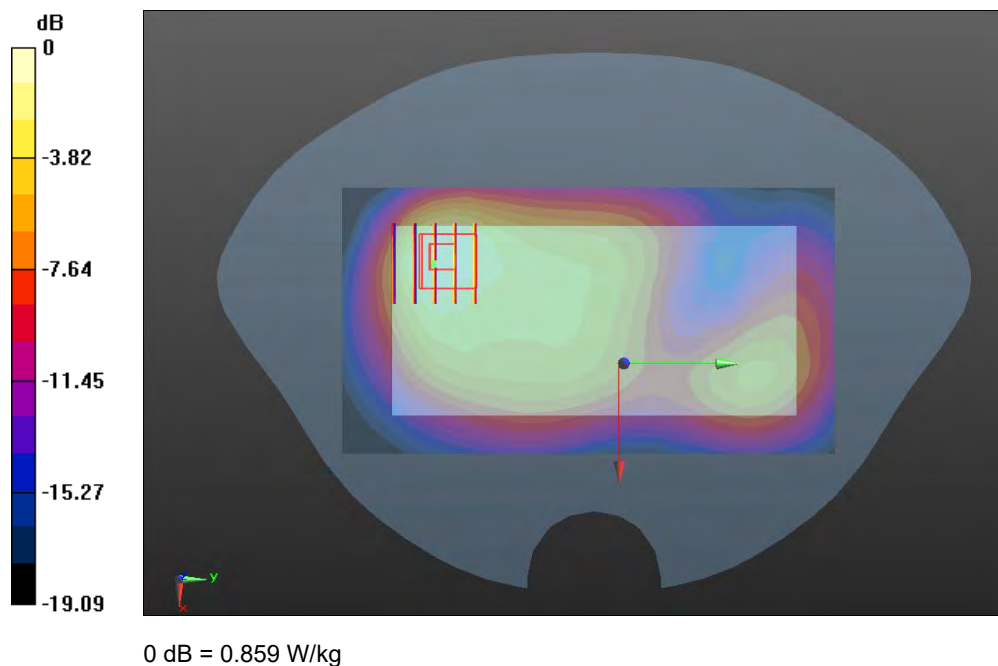
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.74 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.454 W/kg

Maximum value of SAR (measured) = 0.859 W/kg



Meas.22 Right Head with Cheek on Low Channel in LTE Band5 mode with Antenna 0

Date: 2024.05.08

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

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 42.86$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- 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) = 0.182 W/kg

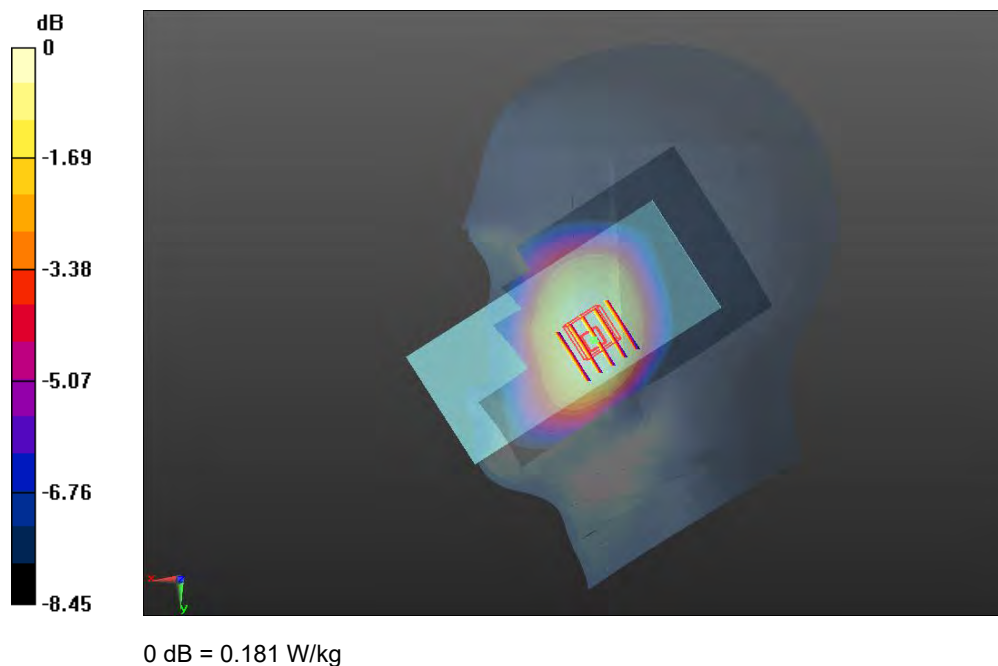
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.487 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.207 W/kg

SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.138 W/kg

Maximum value of SAR (measured) = 0.181 W/kg



Meas.23 Body Plane with Back Side 15mm on Low Channel in LTE Band5 mode With Antenna 0

Date: 2024.05.08

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

Medium parameters used (interpolated): $f = 829 \text{ MHz}$; $\sigma = 0.879 \text{ S/m}$; $\epsilon_r = 42.86$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

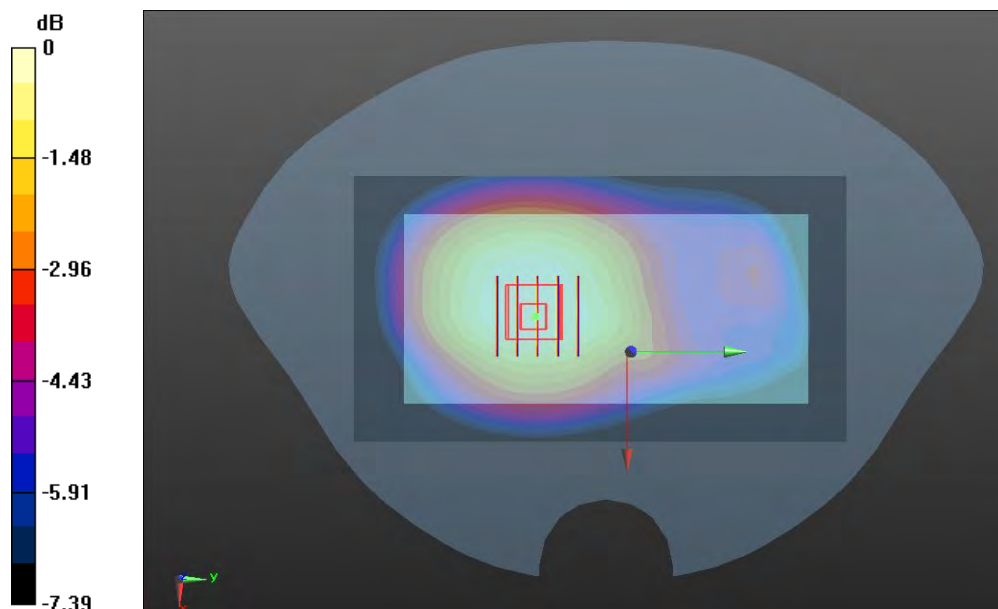
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.36 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.311 W/kg

SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.191 W/kg

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



0 dB = 0.258 W/kg

Meas.24 Body Plane with Back Side 10mm on Low Channel in LTE Band5 mode With Antenna 0

Date: 2024.05.08

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

Medium parameters used (interpolated): $f = 829 \text{ MHz}$; $\sigma = 0.879 \text{ S/m}$; $\epsilon_r = 42.86$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

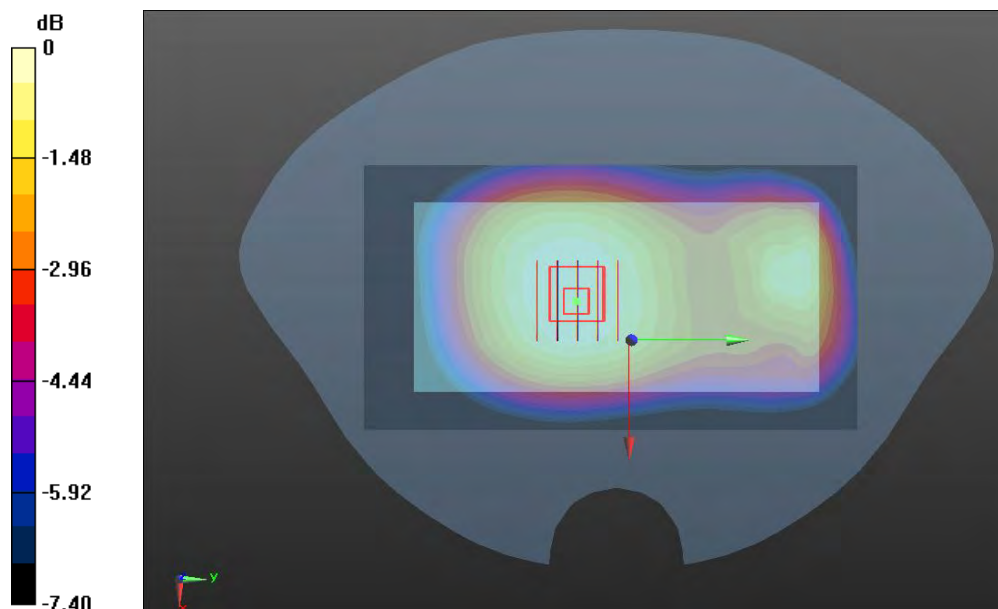
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.31 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.279 W/kg

SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.176 W/kg

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



0 dB = 0.235 W/kg

Meas.25 Right Head with Cheek on Middle Channel in LTE Band7 mode with Antenna 1

Date: 2024.06.11

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.897$ S/m; $\epsilon_r = 39.889$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- 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 (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

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

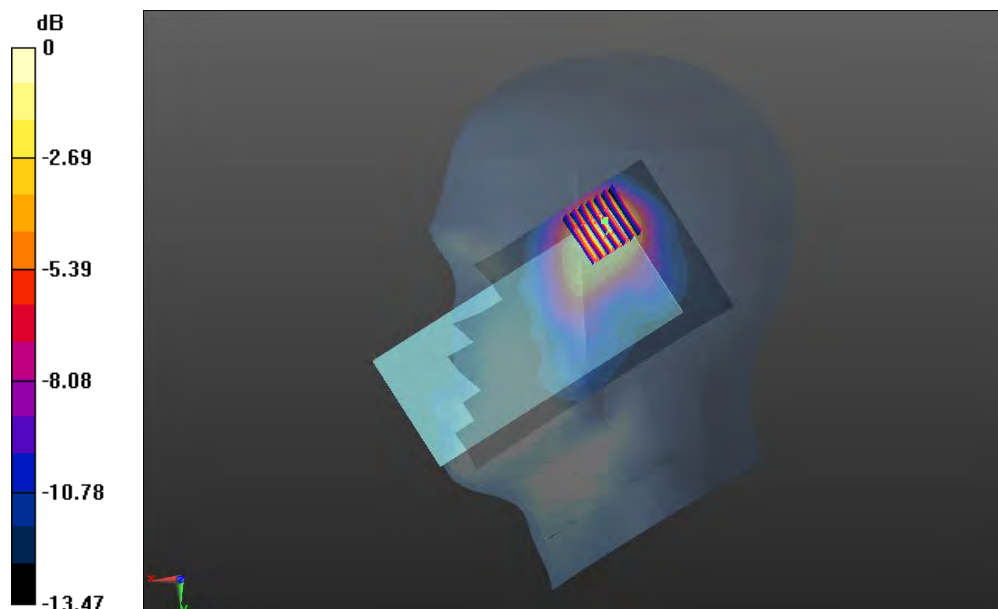
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.16 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.785 W/kg; SAR(10 g) = 0.429 W/kg

Maximum value of SAR (measured) = 0.862 W/kg



0 dB = 0.862 W/kg

Meas.26 Body Plane with Back Side 15mm on High Channel in LTE Band7 mode with Antenna 1

Date: 2024.06.11

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

Medium parameters used (interpolated): $f = 2560$ MHz; $\sigma = 1.933$ S/m; $\epsilon_r = 39.675$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- 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) = 0.265 W/kg

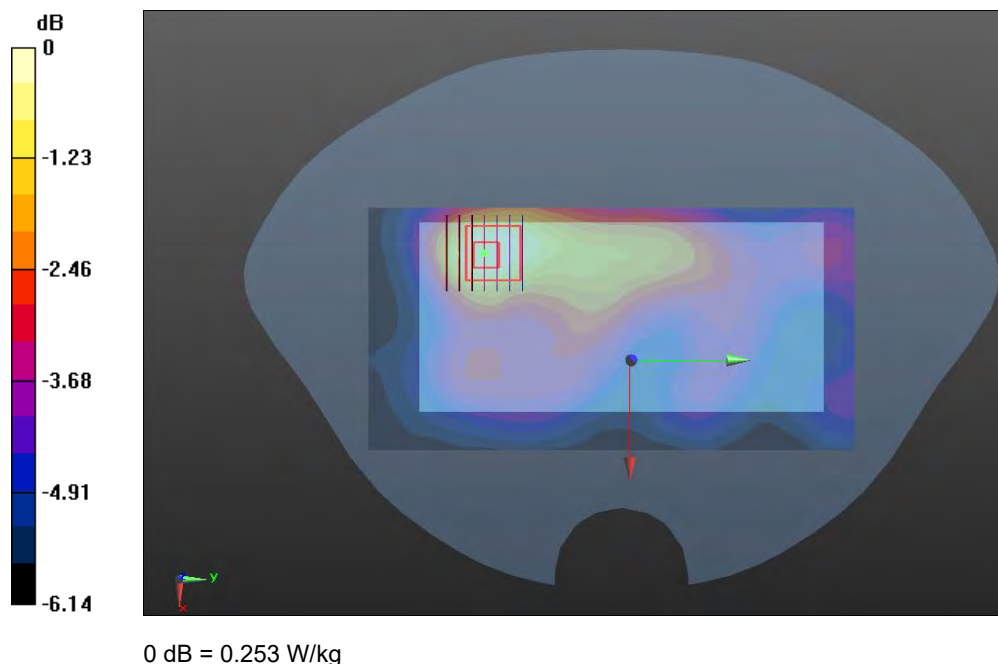
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.031 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.391 W/kg

SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.157 W/kg

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



Meas.27 Body Plane with Back Side 10mm on High Channel in LTE Band7 mode with Antenna 1

Date: 2024.06.11

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

Medium parameters used (interpolated): $f = 2560$ MHz; $\sigma = 1.933$ S/m; $\epsilon_r = 39.675$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- 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) = 0.548 W/kg

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

Reference Value = 9.335 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.913 W/kg

SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.268 W/kg

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



Meas.28 Body Plane with Back Side 0mm on High Channel in LTE Band7 mode with Antenna 1

Date: 2024.06.11

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

Medium parameters used (interpolated): $f = 2560$ MHz; $\sigma = 1.933$ S/m; $\epsilon_r = 39.675$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- 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) = 3.29 W/kg

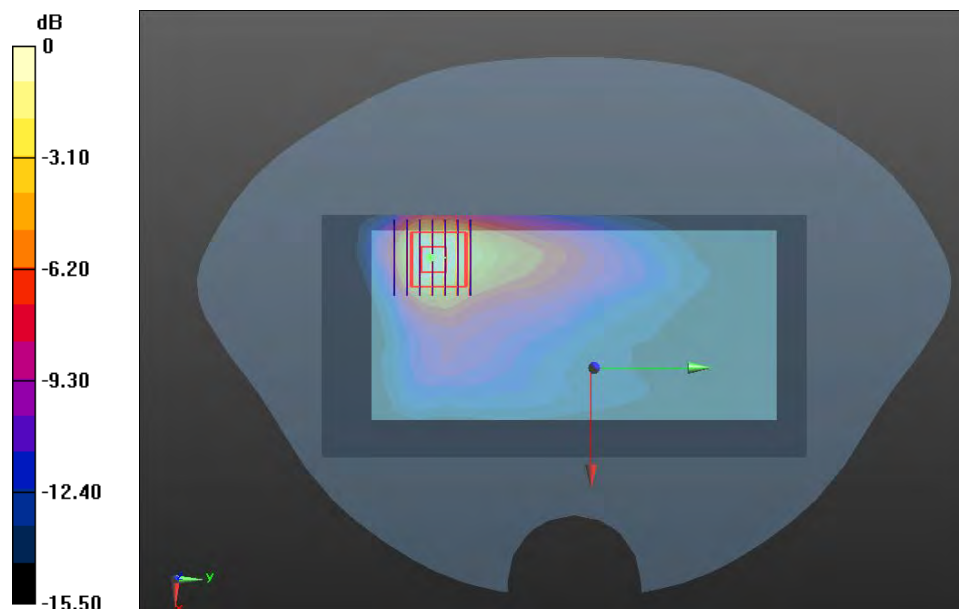
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.534 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 5.66 W/kg

SAR(1 g) = 2.86 W/kg; SAR(10 g) = 1.72 W/kg

Maximum value of SAR (measured) = 3.36 W/kg



0 dB = 3.36 W/kg

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

Date: 2024.05.20

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

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 42.093$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.54, 10.54, 10.54); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

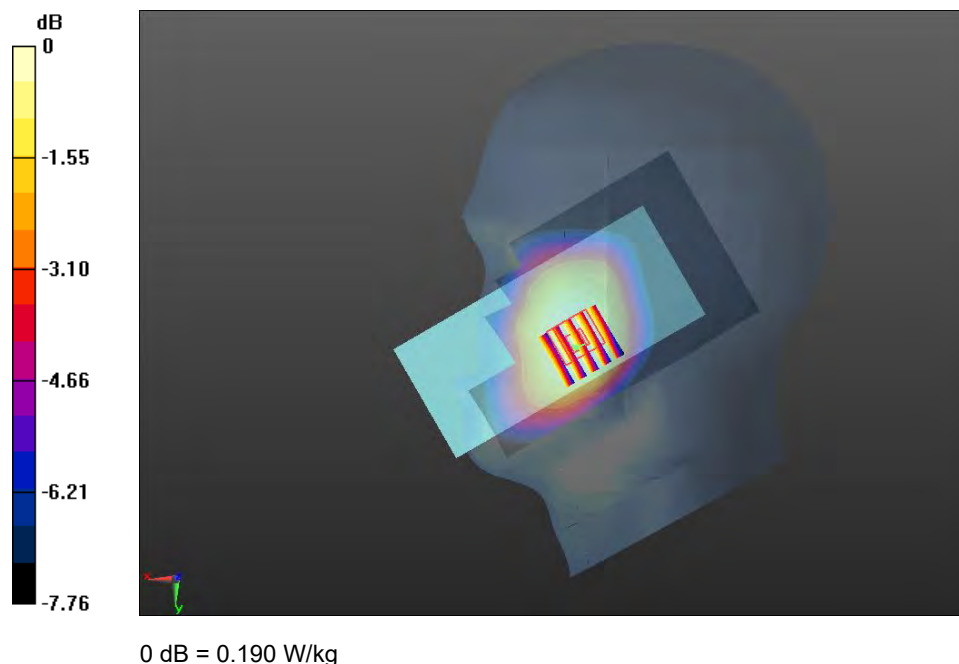
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.538 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.218 W/kg

SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.149 W/kg

Maximum value of SAR (measured) = 0.190 W/kg



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

Date: 2024.05.20

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

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 42.093$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.54, 10.54, 10.54); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.300 W/kg

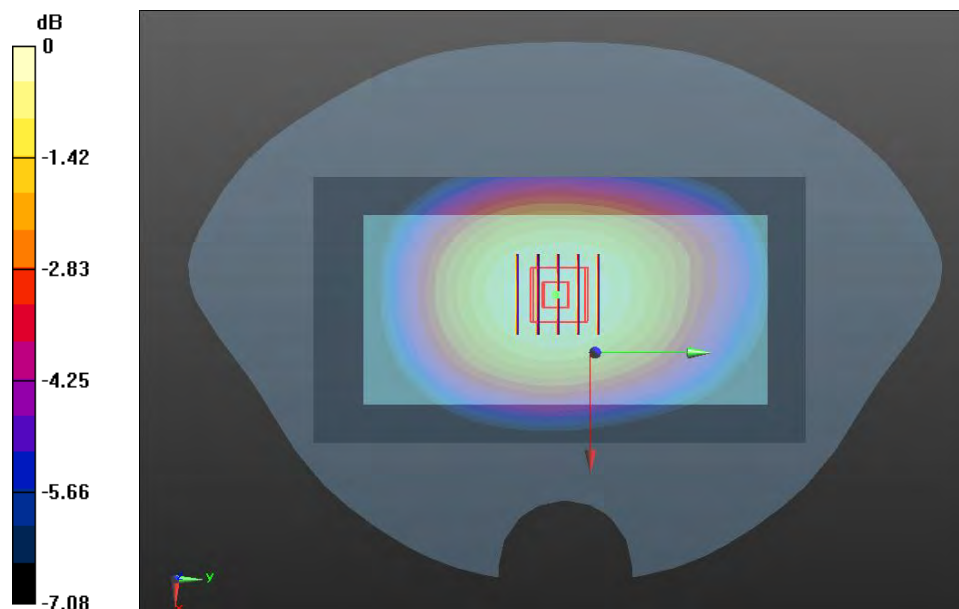
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.00 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.370 W/kg

SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.223 W/kg

Maximum value of SAR (measured) = 0.301 W/kg



0 dB = 0.301 W/kg

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

Date: 2024.05.20

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

Medium parameters used (interpolated): $f = 711 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 42.093$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.54, 10.54, 10.54); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23130/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.314 W/kg

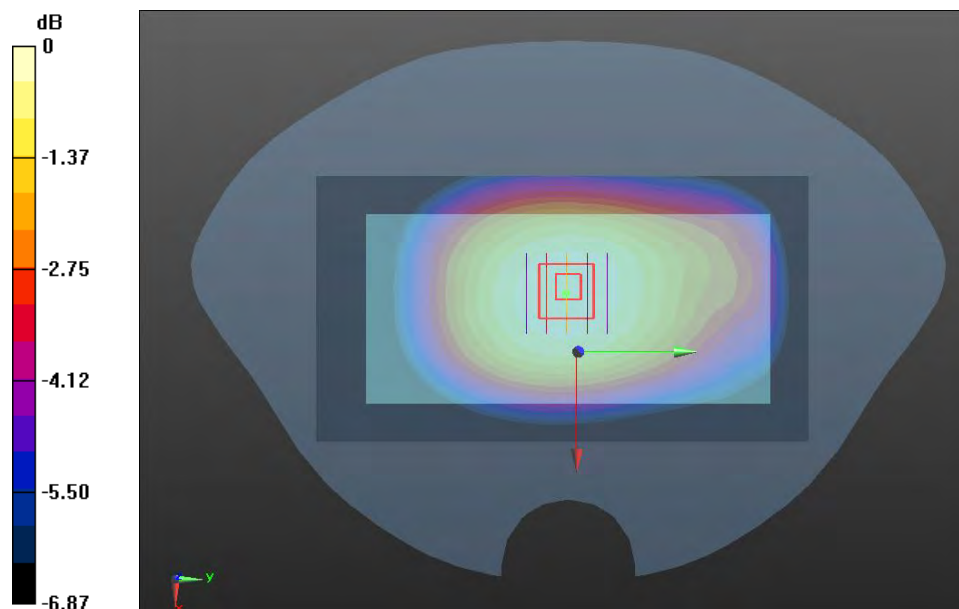
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.66 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.370 W/kg

SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.240 W/kg

Maximum value of SAR (measured) = 0.318 W/kg



0 dB = 0.318 W/kg

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

Date: 2024.05.20

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

Medium parameters used (interpolated): $f = 711 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 42.093$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.54, 10.54, 10.54); Calibrated: 2023.06.29;
- 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)

Ch23800/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

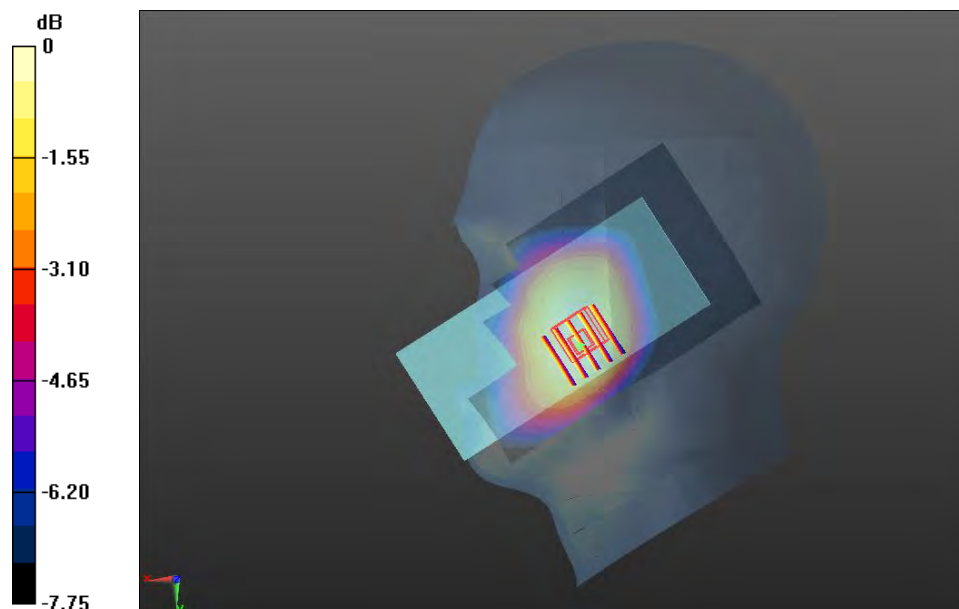
Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.676 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.221 W/kg

SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.149 W/kg

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



0 dB = 0.191 W/kg

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

Date: 2024.05.20

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

Medium parameters used (interpolated): $f = 711 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 42.093$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.54, 10.54, 10.54); Calibrated: 2023.06.29;
- 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)

Ch23800/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.298 W/kg

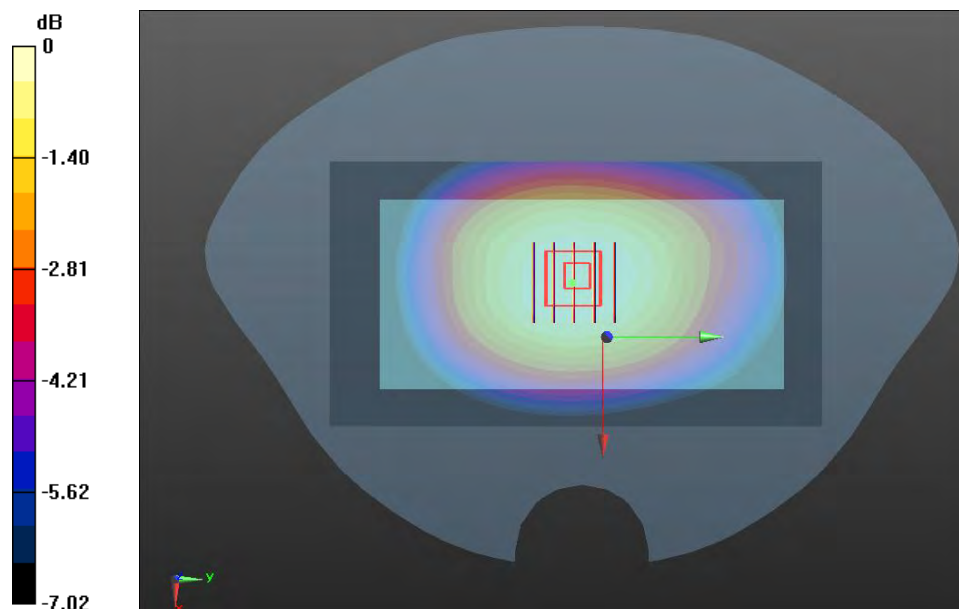
Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.24 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.350 W/kg

SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.224 W/kg

Maximum value of SAR (measured) = 0.296 W/kg



0 dB = 0.296 W/kg

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

Date: 2024.05.20

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

Medium parameters used (interpolated): $f = 711 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 42.093$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.54, 10.54, 10.54); Calibrated: 2023.06.29;
- 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)

Ch23800/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

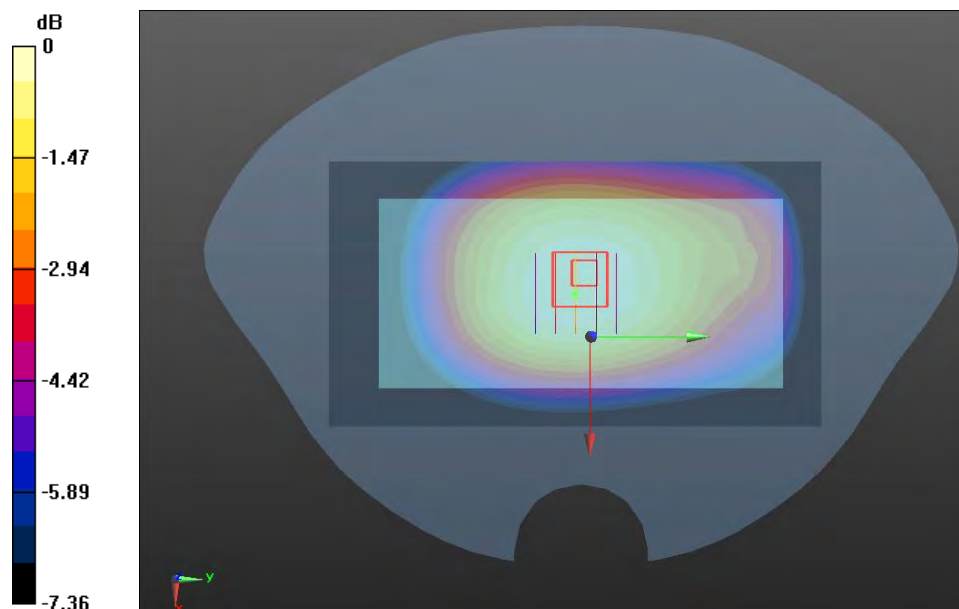
Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.05 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.374 W/kg

SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.244 W/kg

Maximum value of SAR (measured) = 0.322 W/kg



0 dB = 0.322 W/kg

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

Date: 2024.05.08

Communication System Band: BAND 26; Frequency: 821.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 821.5$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 42.902$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- 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)

Ch26765/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.231 W/kg

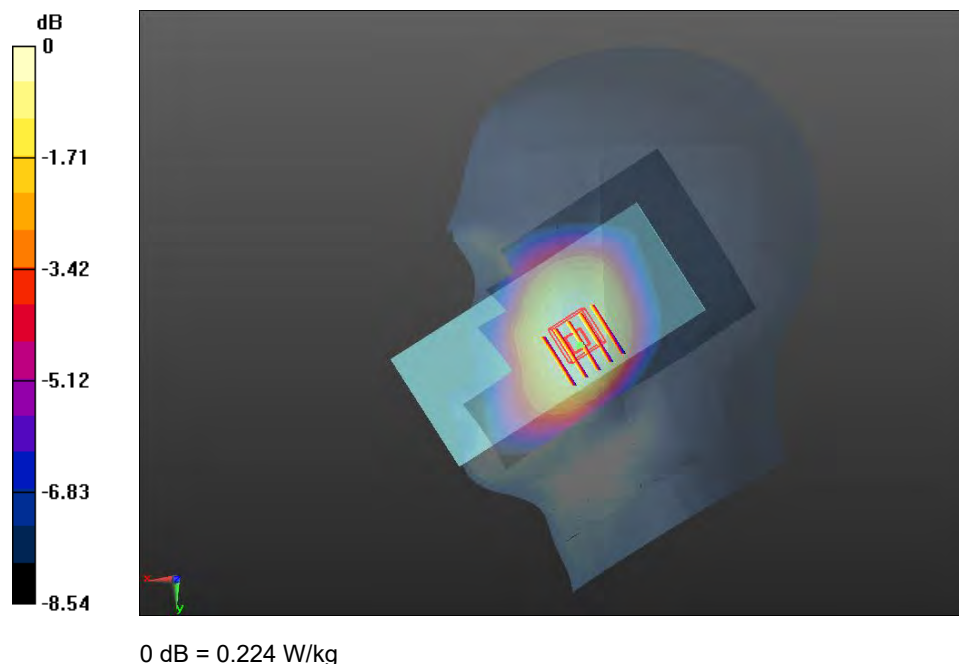
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.182 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.172 W/kg

Maximum value of SAR (measured) = 0.224 W/kg



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

Date: 2024.05.08

Communication System Band: BAND 26; Frequency: 821.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 821.5$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 42.902$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- 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)

Ch26765/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.222 W/kg

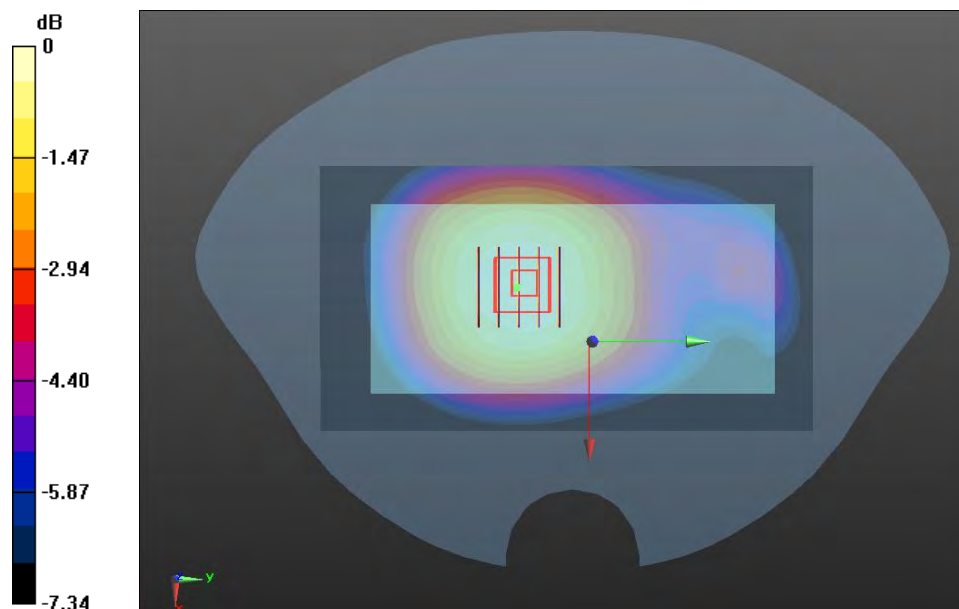
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.55 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.269 W/kg

SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.169 W/kg

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



0 dB = 0.227 W/kg

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

Date: 2024.05.08

Communication System Band: BAND 26; Frequency: 821.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 821.5$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 42.902$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- 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)

Ch26765/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

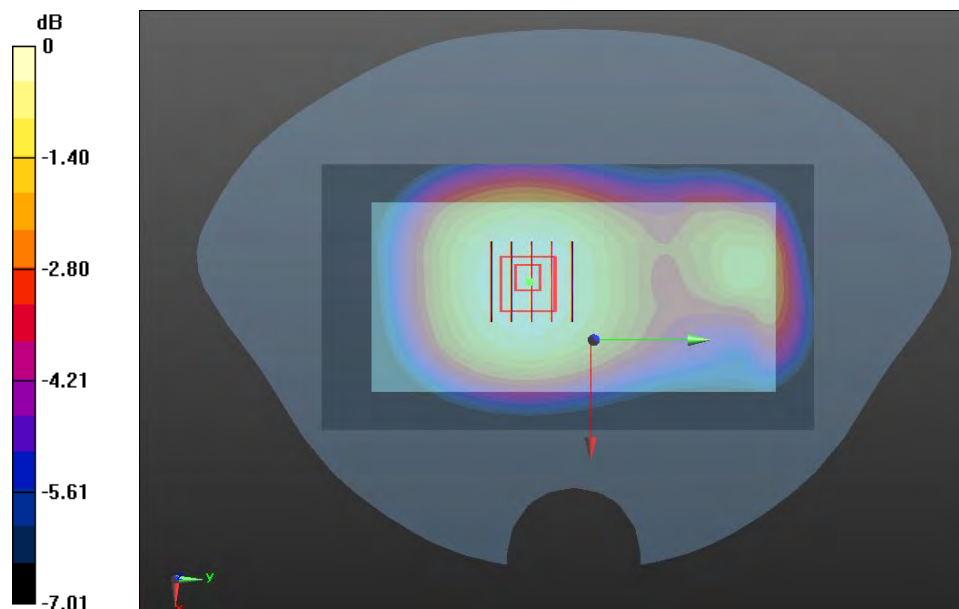
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.55 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.288 W/kg

SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.183 W/kg

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



0 dB = 0.244 W/kg

Meas.38 Right Head with Cheek on Middle Channel in LTE Band66 mode with Antenna 1

Date: 2024.06.10

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

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.364$ S/m; $\epsilon_r = 40.521$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- 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) = 1.13 W/kg

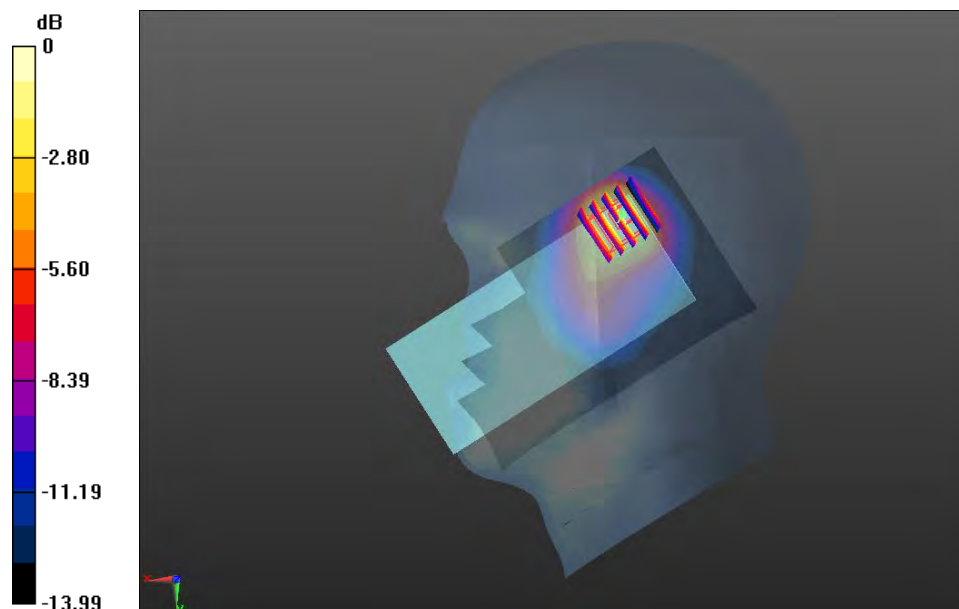
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.82 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.799 W/kg; SAR(10 g) = 0.474 W/kg

Maximum value of SAR (measured) = 0.864 W/kg



0 dB = 0.864 W/kg

Meas.39 Body Plane with Back Side 15mm on High Channel in LTE Band66 mode with Antenna 1

Date: 2024.06.10

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

Medium parameters used (interpolated): $f = 1770$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 39.154$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- 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)

Ch132572/Area Scan (71x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

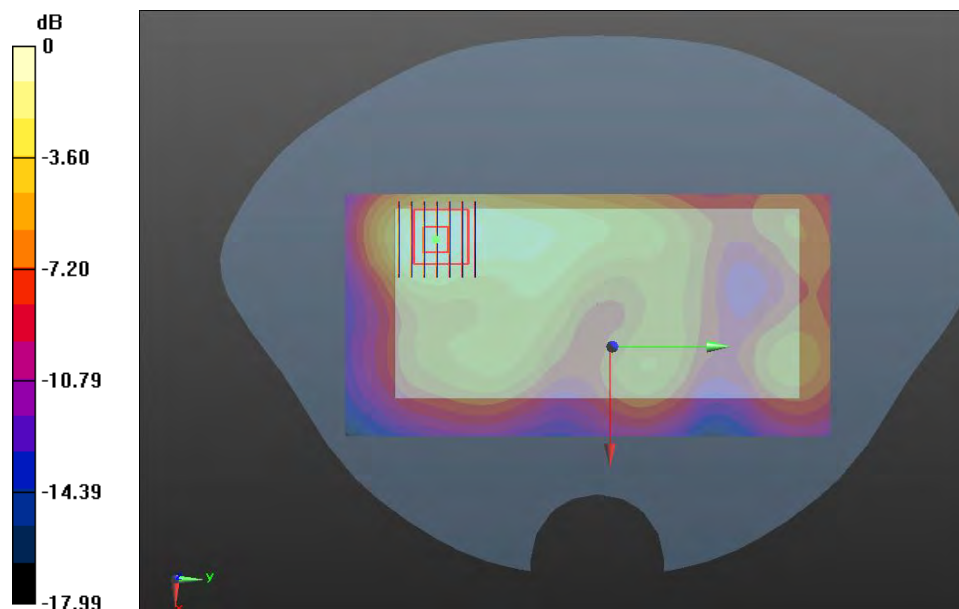
Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.270 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.865 W/kg

SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.259 W/kg

Maximum value of SAR (measured) = 0.496 W/kg



0 dB = 0.496 W/kg

Meas.40 Body Plane with Back Side 10mm on High Channel in LTE Band66 mode with Antenna 1

Date: 2024.06.10

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

Medium parameters used (interpolated): $f = 1770$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 39.154$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- 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)

Ch132572/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

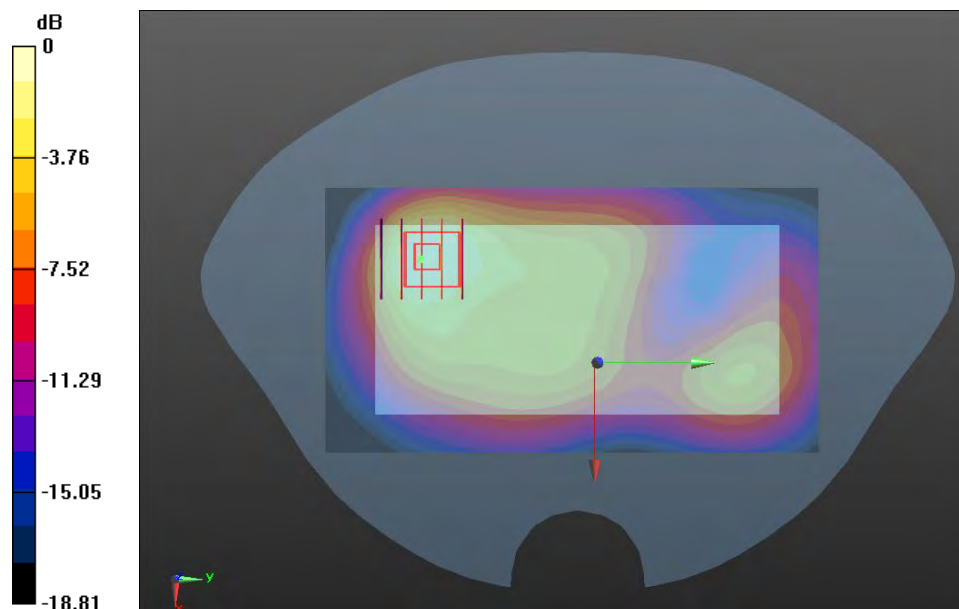
Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.25 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.521 W/kg

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



0 dB = 1.02 W/kg

Meas.41 Right Head with Cheek on High Channel in LTE Band38 mode with Antenna 1

Date: 2024.06.11

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

Medium parameters used (interpolated): $f = 2610$ MHz; $\sigma = 2.01$ S/m; $\epsilon_r = 38.828$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- 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)

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

Maximum value of SAR (interpolated) = 0.966 W/kg

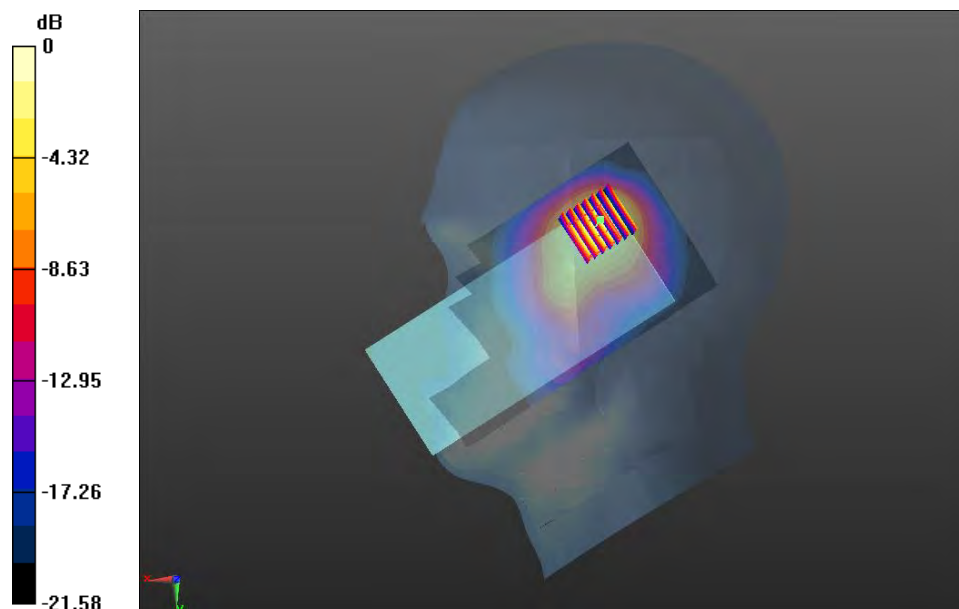
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.936 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.798 W/kg; SAR(10 g) = 0.403 W/kg

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



0 dB = 0.906 W/kg

Meas.42 Body Plane with Back Side 15mm on Low Channel in LTE Band38 mode with Antenna 1

Date: 2024.06.11

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

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.957$ S/m; $\epsilon_r = 39.508$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- 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) = 0.335 W/kg

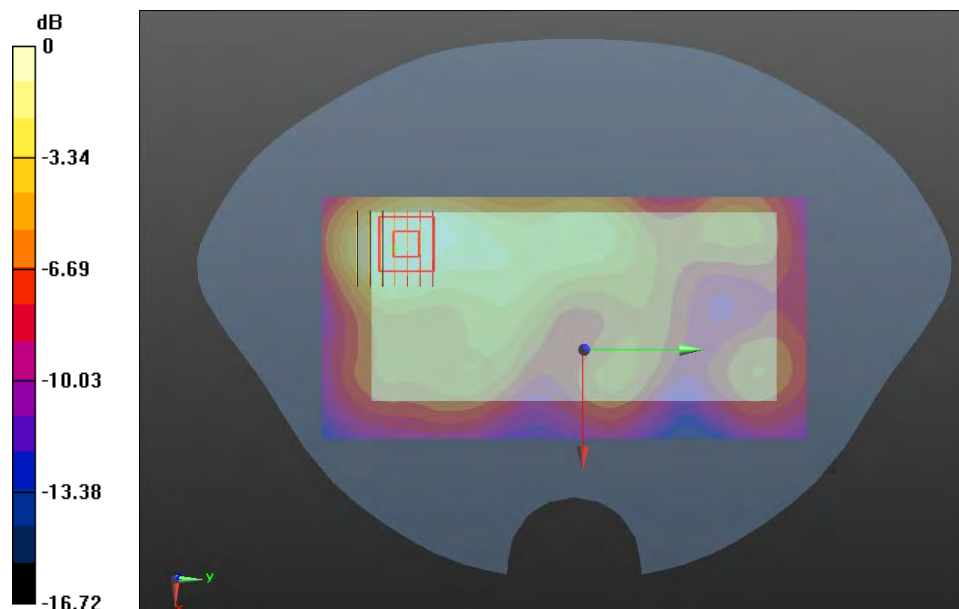
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.127 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.576 W/kg

SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.170 W/kg

Maximum value of SAR (measured) = 0.331 W/kg



0 dB = 0.331 W/kg

Meas.43 Body Plane with Back Side 10mm on Low Channel in LTE Band38 mode with Antenna 1

Date: 2024.06.11

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

Medium parameters used (interpolated): $f = 2580$ MHz; $\sigma = 1.957$ S/m; $\epsilon_r = 39.508$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- 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) = 0.732 W/kg

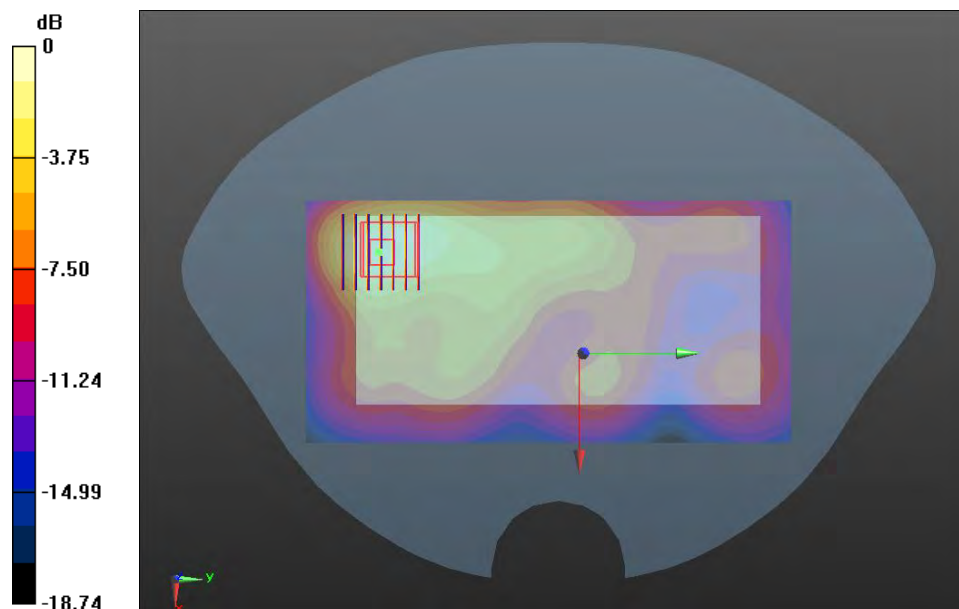
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.135 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.337 W/kg

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



0 dB = 0.716 W/kg

Meas.44 Right Head with Cheek on High Channel in LTE Band41 mode with Antenna 1

Date: 2024.05.13

Communication System Band: BAND41; Frequency: 2680 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2680$ MHz; $\sigma = 2.08$ S/m; $\epsilon_r = 38.73$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- 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)

Ch41490/Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

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

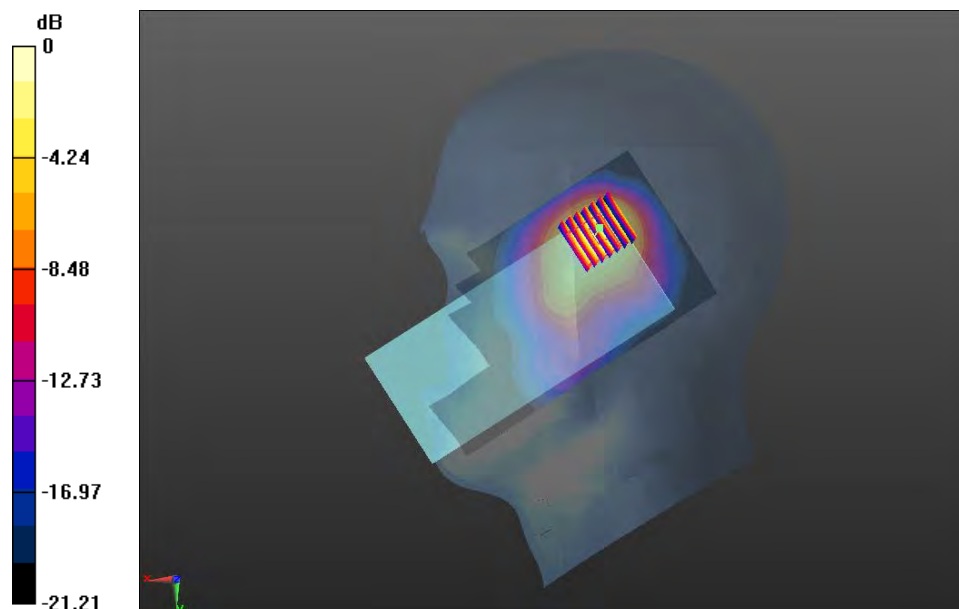
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.350 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 0.810 W/kg; SAR(10 g) = 0.409 W/kg

Maximum value of SAR (measured) = 0.922 W/kg



0 dB = 0.922 W/kg

Meas.45 Body Plane with Back Side 15mm on High Channel in LTE Band41 mode with Antenna 1

Date: 2024.05.13

Communication System Band: BAND41; Frequency: 2680 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2680$ MHz; $\sigma = 2.08$ S/m; $\epsilon_r = 38.73$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- 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)

Ch41490/Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

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

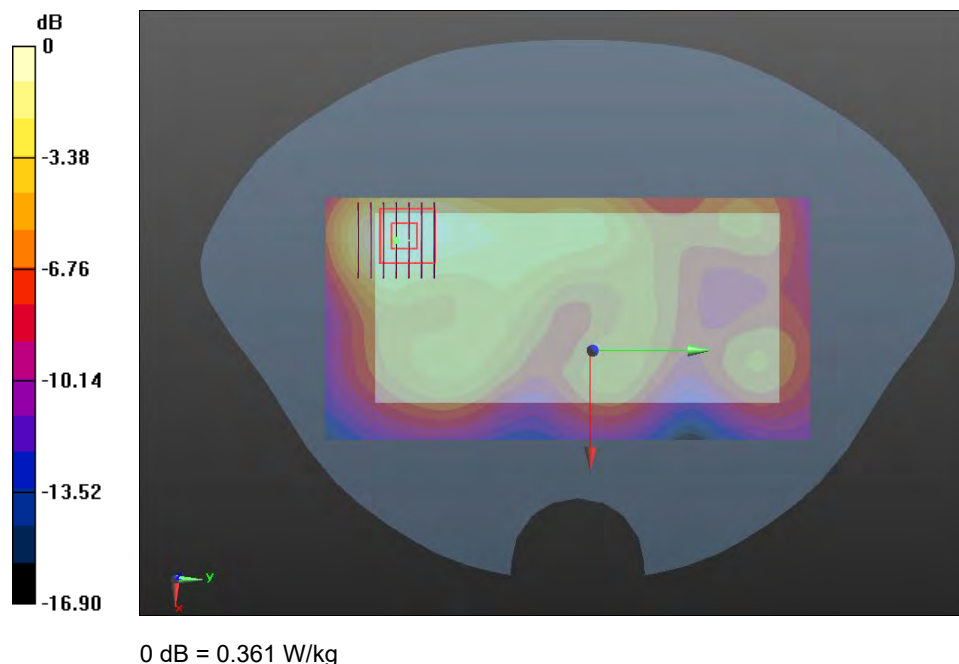
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.255 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.635 W/kg

SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.187 W/kg

Maximum value of SAR (measured) = 0.361 W/kg



Meas.46 Body Plane with Back Side 10mm on High Channel in LTE Band41 mode with Antenna 1

Date: 2024.05.13

Communication System Band: BAND41; Frequency: 2680 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2680$ MHz; $\sigma = 2.08$ S/m; $\epsilon_r = 38.73$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- 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)

Ch41490/Area Scan (81x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

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

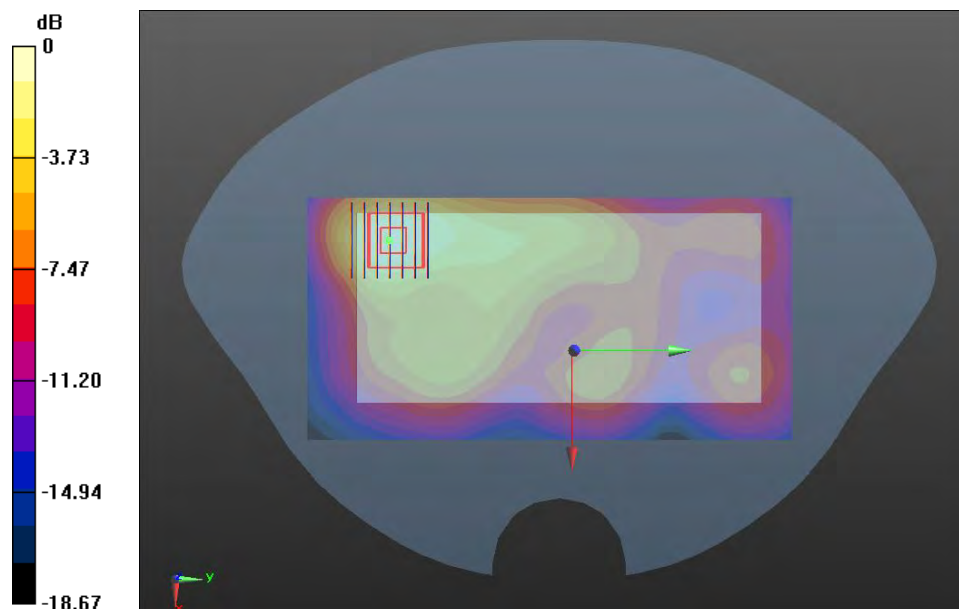
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.199 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.620 W/kg; SAR(10 g) = 0.327 W/kg

Maximum value of SAR (measured) = 0.684 W/kg



0 dB = 0.684 W/kg

Meas.47 Left Head with Cheek on 11 Channel in IEEE802.11b mode with Antenna 2

Date: 2024.05.11

Communication System Band: 2.4G; Frequency: 2462 MHz; Duty Cycle: 1:1.005

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.834$ S/m; $\epsilon_r = 38.757$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

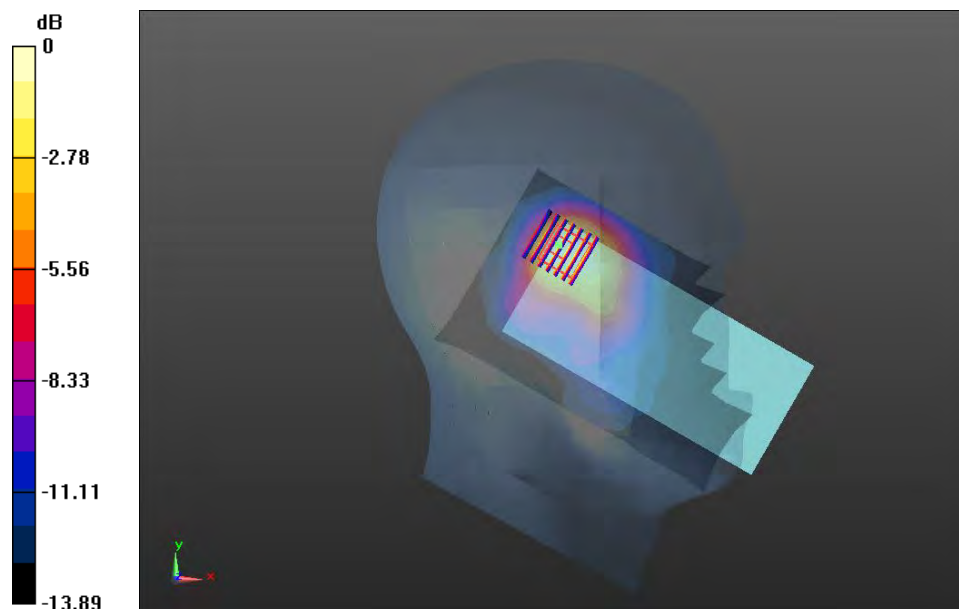
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.46 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.850 W/kg; SAR(10 g) = 0.459 W/kg

Maximum value of SAR (measured) = 0.937 W/kg



0 dB = 0.937 W/kg

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

Date: 2024.05.11

Communication System Band: 2.4G; Frequency: 2462 MHz; Duty Cycle: 1:1.005

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.834$ S/m; $\epsilon_r = 38.757$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.144 W/kg

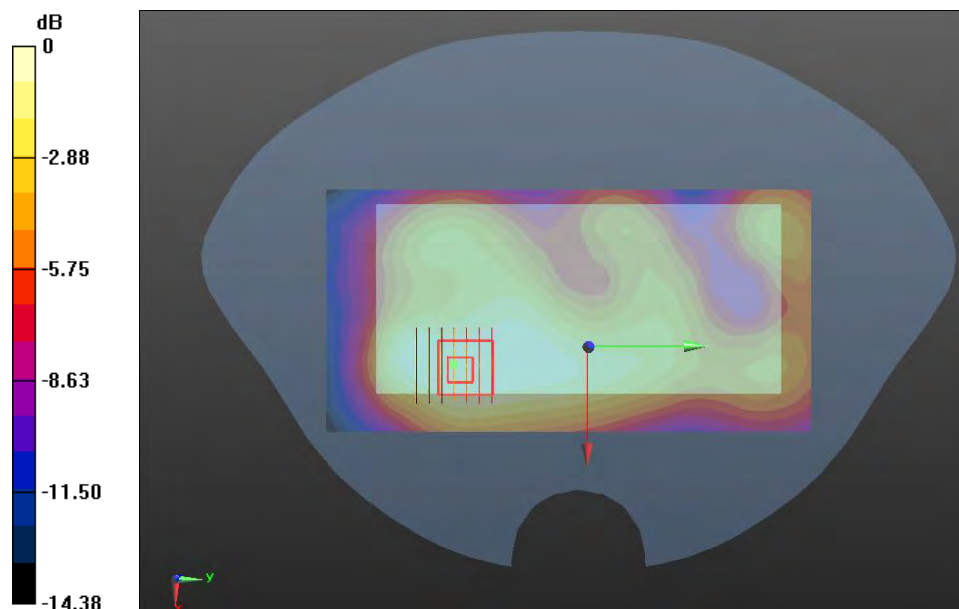
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.463 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.227 W/kg

SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.074 W/kg

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



0 dB = 0.134 W/kg

Meas.49 Body Plane with Back Side 10mm on 11 Channel in IEEE802.11b mode with Antenna 2

Date: 2024.05.11

Communication System Band: 2.4G; Frequency: 2462 MHz; Duty Cycle: 1:1.005

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.834$ S/m; $\epsilon_r = 38.757$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1711; Calibrated: 2024.03.18
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.292 W/kg

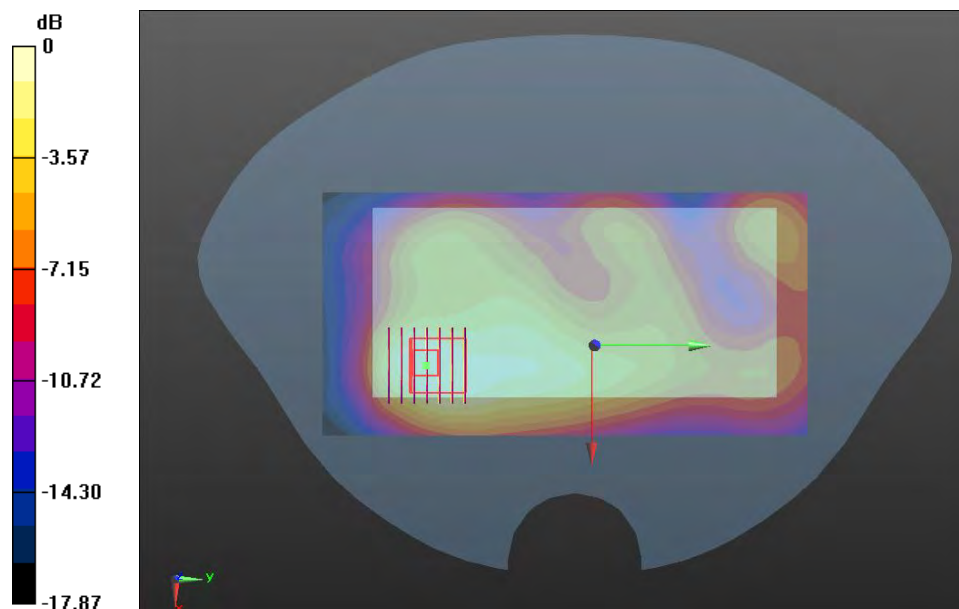
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.665 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.500 W/kg

SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.132 W/kg

Maximum value of SAR (measured) = 0.265 W/kg



0 dB = 0.265 W/kg

Meas.50 Left Head with Tilt on 60 Channel in IEEE802.11a mode with Antenna 2

Date: 2024.05.14

Communication System Band: 5.3G; Frequency: 5300 MHz; Duty Cycle: 1:1.035

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.805$ S/m; $\epsilon_r = 35.632$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(5.48, 5.48, 5.48); Calibrated: 2023.06.29;
- 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)

Ch60/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.73 W/kg

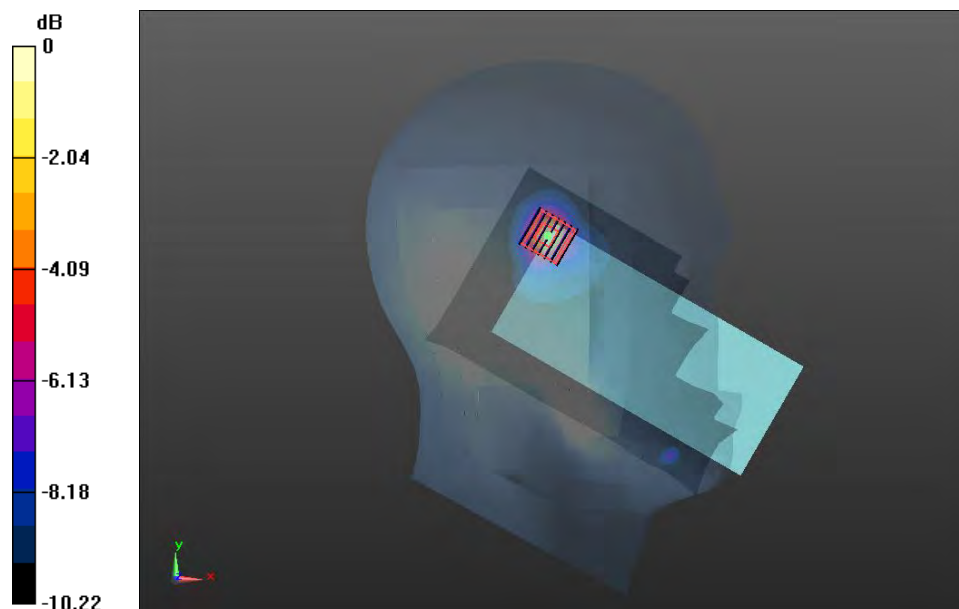
Ch60/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.552 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.76 W/kg

SAR(1 g) = 0.966 W/kg; SAR(10 g) = 0.394 W/kg

Maximum value of SAR (measured) = 1.83 W/kg



0 dB = 1.83 W/kg

Meas.51 Left Head with Tilt on 100 Channel in IEEE802.11a mode with Antenna 2

Date: 2024.05.15

Communication System Band: 5.6G; Frequency: 5500 MHz; Duty Cycle: 1:1.035

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.895$ S/m; $\epsilon_r = 36.289$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.99, 4.99, 4.99); Calibrated: 2023.06.29;
- 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)

Ch100/Area Scan (111x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 2.25 W/kg

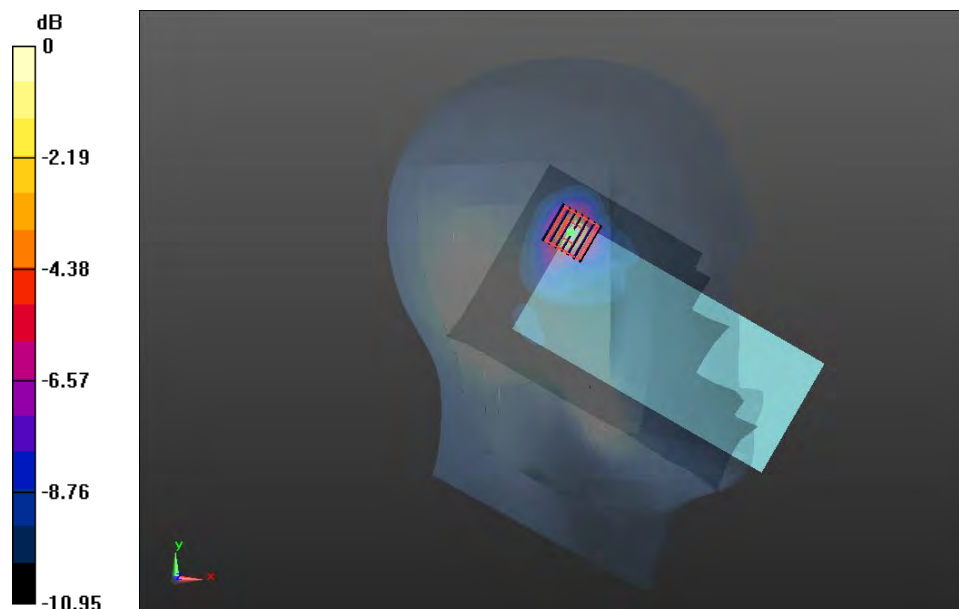
Ch100/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 8.028 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.79 W/kg

SAR(1 g) = 0.990 W/kg; SAR(10 g) = 0.399 W/kg

Maximum value of SAR (measured) = 2.35 W/kg



0 dB = 2.35 W/kg

Meas.52 Left Head with Tilt on 165 Channel in IEEE802.11a mode with Antenna 2

Date: 2024.05.16

Communication System Band: 5.8G; Frequency: 5825 MHz; Duty Cycle: 1:1.035

Medium parameters used (interpolated): $f = 5825$ MHz; $\sigma = 5.299$ S/m; $\epsilon_r = 35.16$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.95, 4.95, 4.95); Calibrated: 2023.06.29;
- 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)

Ch165/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.20 W/kg

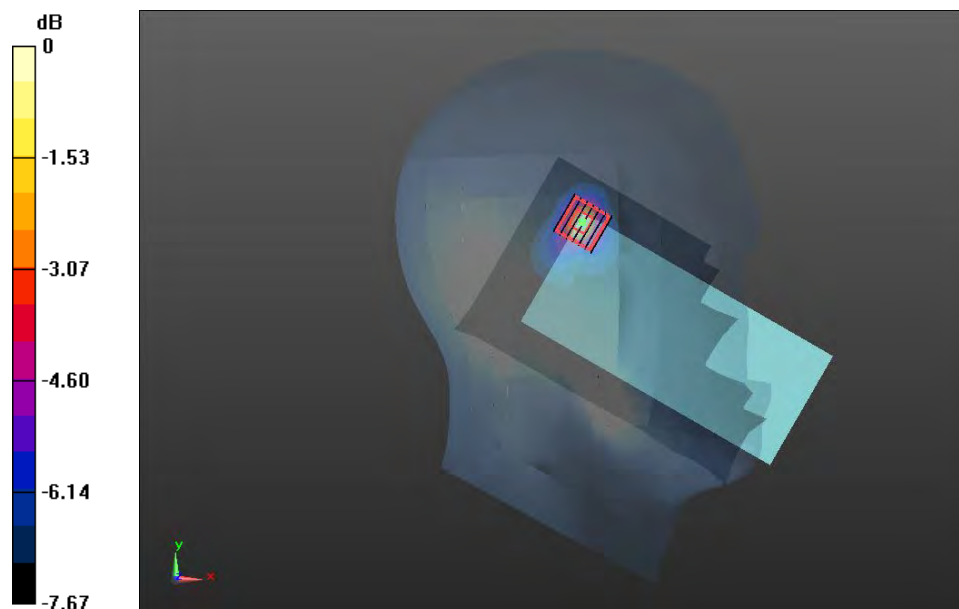
Ch165/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.857 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.70 W/kg

SAR(1 g) = 0.700 W/kg; SAR(10 g) = 0.352 W/kg

Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg

Meas.53 Body Plane with Back Side 15mm on 52 Channel in IEEE802.11a mode with Antenna 2

Date: 2024.05.14

Communication System Band: 5.3G; Frequency: 5260 MHz; Duty Cycle: 1:1.035

Medium parameters used: $f = 5260$ MHz; $\sigma = 4.756$ S/m; $\epsilon_r = 36.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(5.48, 5.48, 5.48); Calibrated: 2023.06.29;
- 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)

Ch52/Area Scan (101x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.390 W/kg

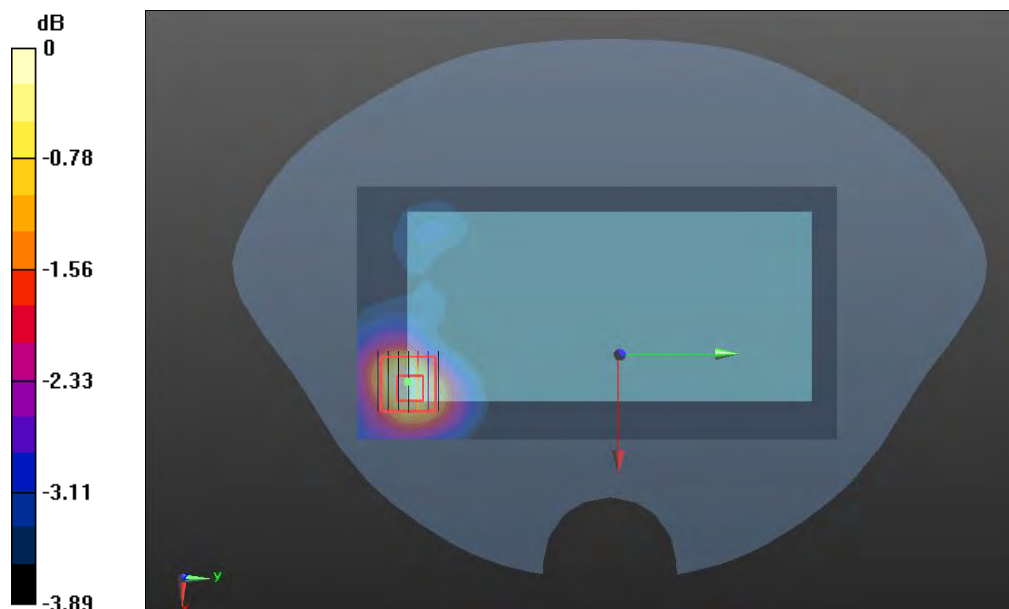
Ch52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 6.373 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.548 W/kg

SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.215 W/kg

Maximum value of SAR (measured) = 0.383 W/kg



Meas.54 Body Plane with Back Side 15mm on 140 Channel in IEEE802.11a mode with Antenna 2

Date: 2024.05.15

Communication System Band: 5.6G; Frequency: 5700 MHz; Duty Cycle: 1:1.035

Medium parameters used: $f = 5700$ MHz; $\sigma = 5.224$ S/m; $\epsilon_r = 35.343$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.95, 4.95, 4.95); Calibrated: 2023.06.29;
- 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 (101x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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

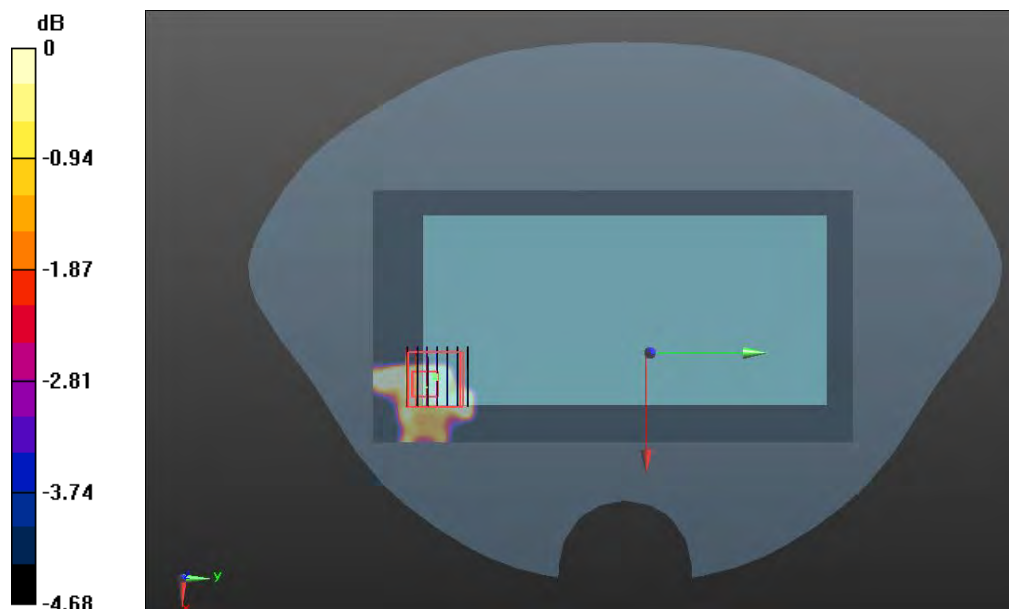
Ch140/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 6.066 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.798 W/kg

SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.242 W/kg

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



0 dB = 0.495 W/kg

Meas.55 Body Plane with Back Side 15mm on 165 Channel in IEEE802.11a mode with Antenna 2

Date: 2024.05.16

Communication System Band: 5.8G; Frequency: 5825 MHz; Duty Cycle: 1:1.035

Medium parameters used (interpolated): $f = 5825$ MHz; $\sigma = 5.299$ S/m; $\epsilon_r = 35.16$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.95, 4.95, 4.95); Calibrated: 2023.06.29;
- 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)

Ch165/Area Scan (101x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.394 W/kg

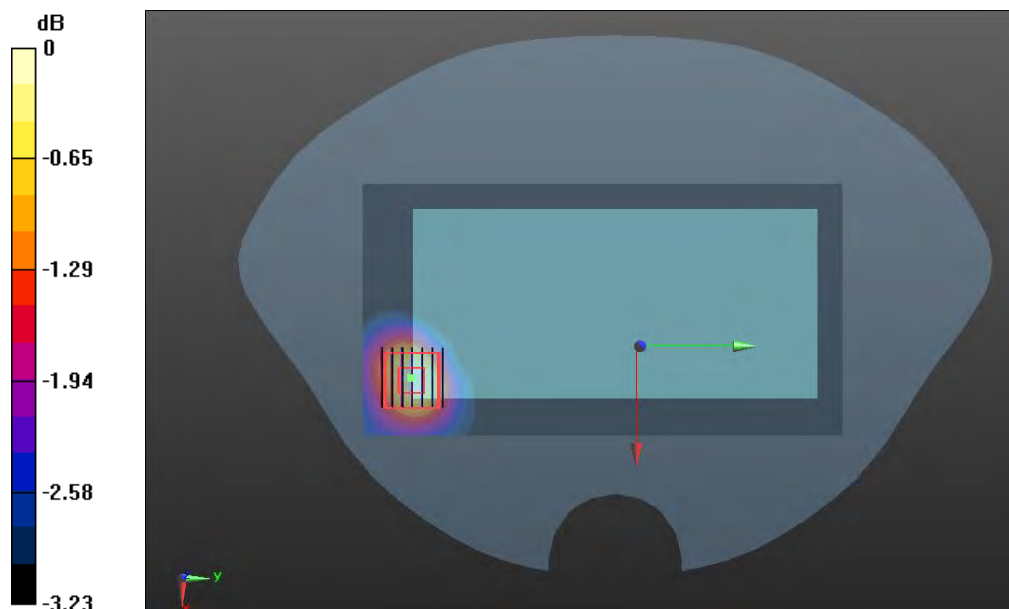
Ch165/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 6.045 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.686 W/kg

SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.232 W/kg

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



Meas.56 Body Plane with Top Edge 10mm on 36 Channel in IEEE802.11a mode with Antenna 2

Date: 2024.05.14

Communication System Band: 5.2G; Frequency: 5180 MHz; Duty Cycle: 1:1.035

Medium parameters used (interpolated): $f = 5180$ MHz; $\sigma = 4.588$ S/m; $\epsilon_r = 36.818$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(5.48, 5.48, 5.48); Calibrated: 2023.06.29;
- 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 (61x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.671 W/kg

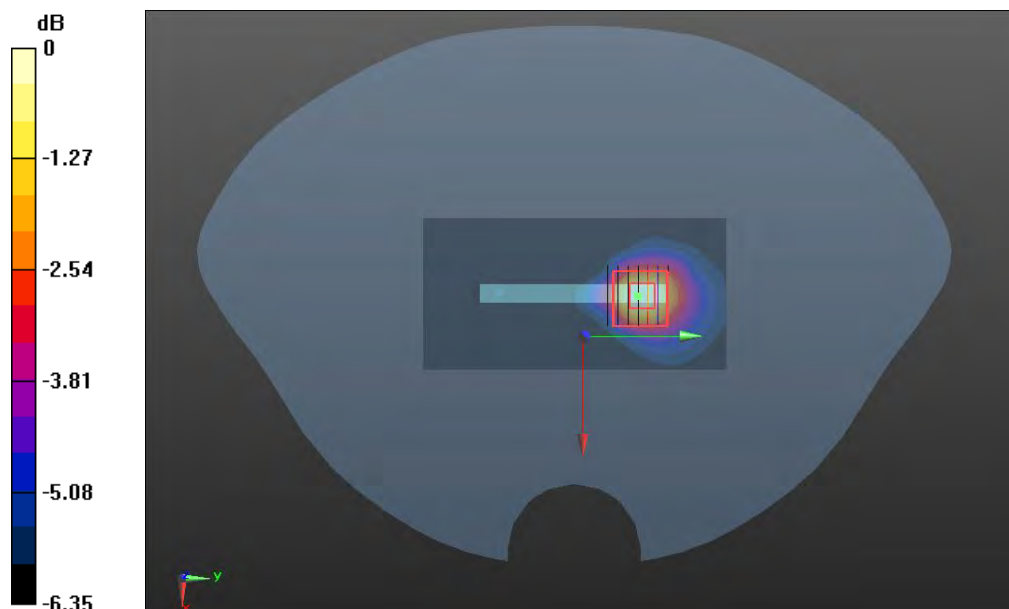
Ch36/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.881 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.394 W/kg; SAR(10 g) = 0.230 W/kg

Maximum value of SAR (measured) = 0.613 W/kg



0 dB = 0.613 W/kg

Meas.57 Body Plane with Top Edge 10mm on 165 Channel in IEEE802.11a mode with Antenna 2

Date: 2024.05.16

Communication System Band: 5.8G; Frequency: 5825 MHz; Duty Cycle: 1:1.035

Medium parameters used (interpolated): $f = 5825$ MHz; $\sigma = 5.299$ S/m; $\epsilon_r = 35.16$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.95, 4.95, 4.95); Calibrated: 2023.06.29;
- 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)

Ch165/Area Scan (61x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.532 W/kg

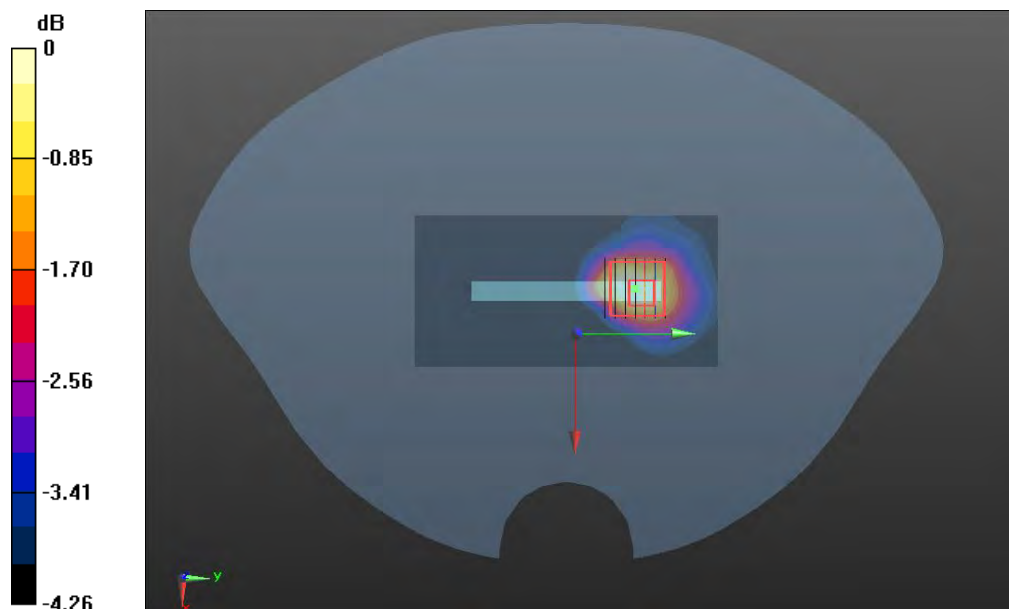
Ch165/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.059 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.826 W/kg

SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.250 W/kg

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



0 dB = 0.492 W/kg

Meas.58 Body Plane with Top Edge 0mm on 64 Channel in IEEE802.11a mode with Antenna 2

Date: 2024.05.14

Communication System Band: 5.3G; Frequency: 5320 MHz; Duty Cycle: 1:1.035

Medium parameters used: $f = 5320$ MHz; $\sigma = 4.839$ S/m; $\epsilon_r = 35.492$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(5.48, 5.48, 5.48); Calibrated: 2023.06.29;
- 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 (61x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.14 W/kg

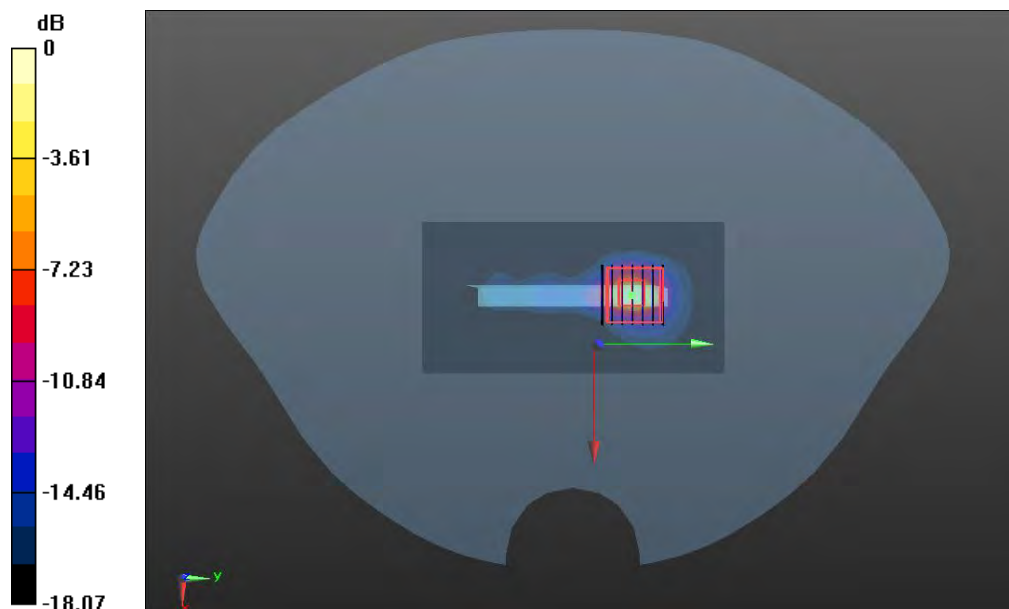
Ch64/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.016 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 21.5 W/kg

SAR(1 g) = 3.87 W/kg; SAR(10 g) = 0.915 W/kg

Maximum value of SAR (measured) = 9.63 W/kg



0 dB = 9.63 W/kg

Meas.59 Body Plane with Top Edge 0mm on 140 Channel in IEEE802.11a mode with Antenna 2

Date: 2024.05.15

Communication System Band: 5.6G; Frequency: 5700 MHz; Duty Cycle: 1:1.035

Medium parameters used: $f = 5700$ MHz; $\sigma = 5.224$ S/m; $\epsilon_r = 35.343$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.95, 4.95, 4.95); Calibrated: 2023.06.29;
- 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 (61x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.49 W/kg

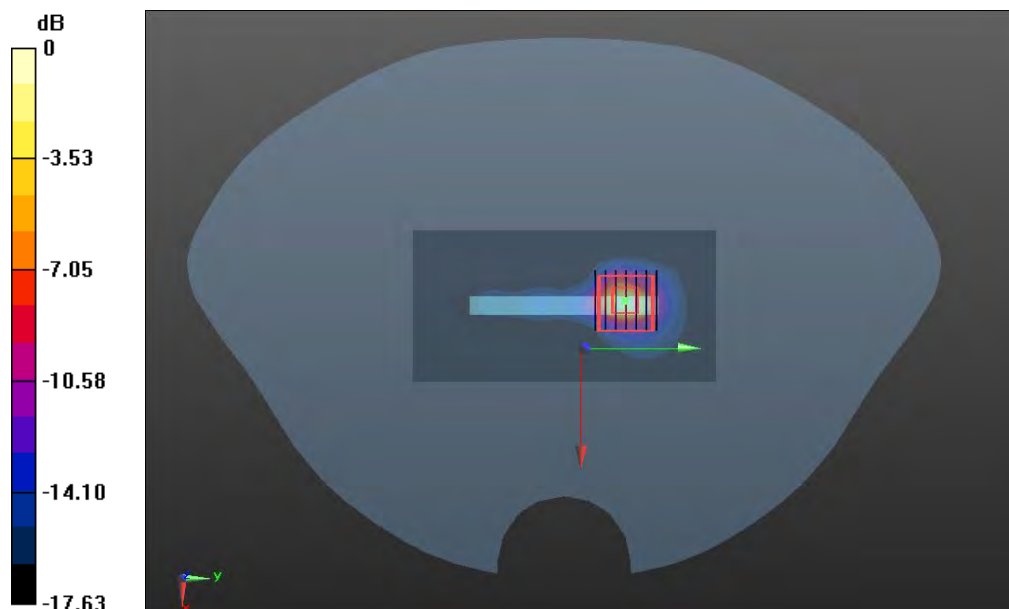
Ch140/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.471 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 21.9 W/kg

SAR(1 g) = 3.98 W/kg; SAR(10 g) = 0.988 W/kg

Maximum value of SAR (measured) = 9.72 W/kg



0 dB = 9.72 W/kg

Meas.60 Left Head with Cheek on 78 Channel in Bluetooth mode with Antenna 2

Date: 2024.05.11

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

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.859$ S/m; $\epsilon_r = 38.547$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98); Calibrated: 2023.06.29;
- 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) = 0.216 W/kg

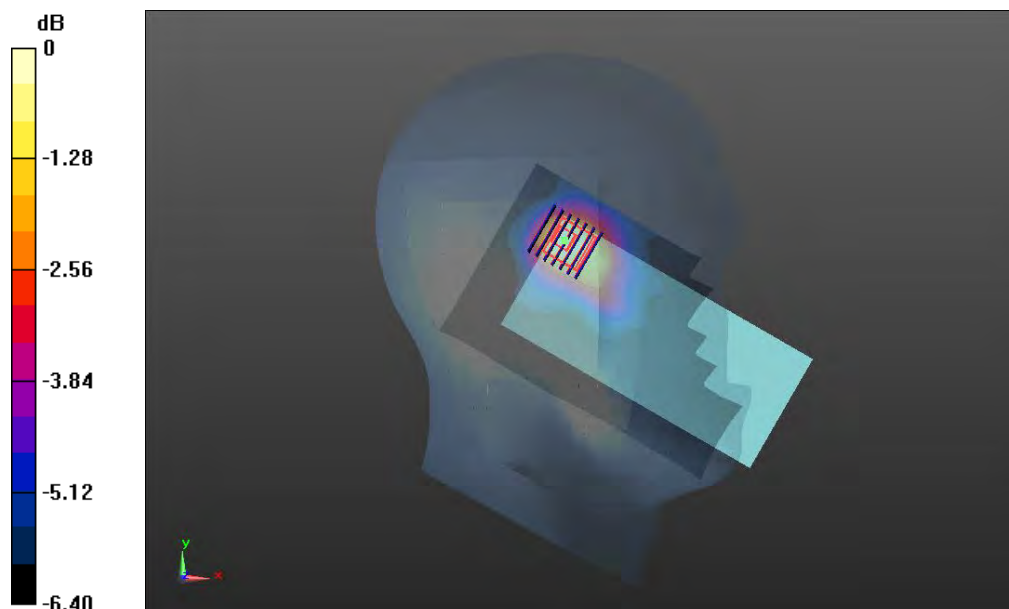
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.709 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.325 W/kg

SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.088 W/kg

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



0 dB = 0.201 W/kg

Meas.61 Body Plane with Back Side 15mm on 78 Channel in Bluetooth mode with Antenna 2

Date: 2024.05.11

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

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.859$ S/m; $\epsilon_r = 38.547$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98); Calibrated: 2023.06.29;
- 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) = 0.0913 W/kg

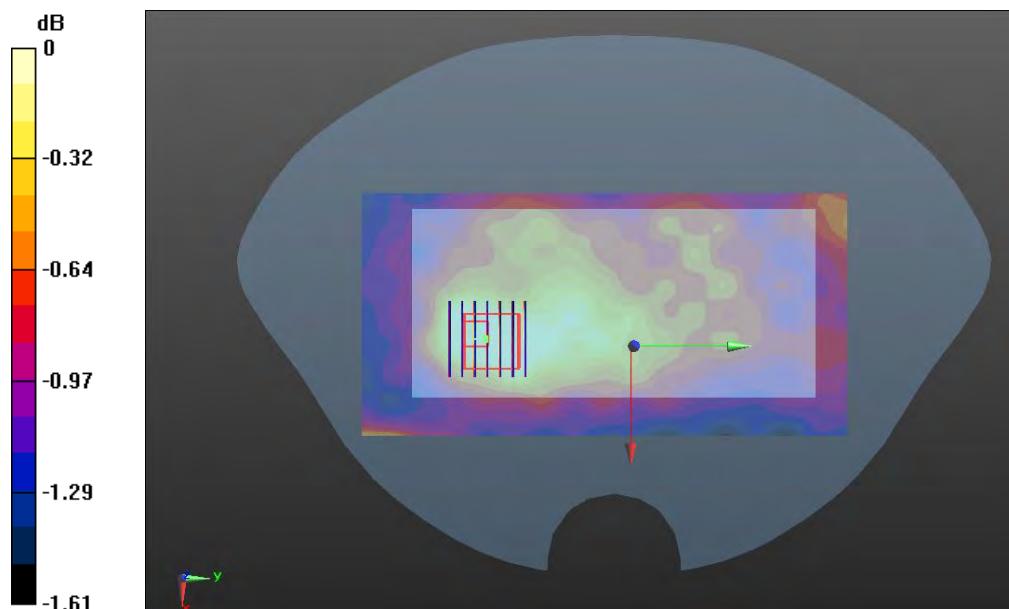
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.841 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.109 W/kg

SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.039 W/kg

Maximum value of SAR (measured) = 0.0848 W/kg



0 dB = 0.0848 W/kg

Meas.62 Body Plane with Back Side 10mm on 78 Channel in Bluetooth mode with Antenna 2

Date: 2024.05.11

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

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.859$ S/m; $\epsilon_r = 38.547$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98); Calibrated: 2023.06.29;
- 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) = 0.107 W/kg

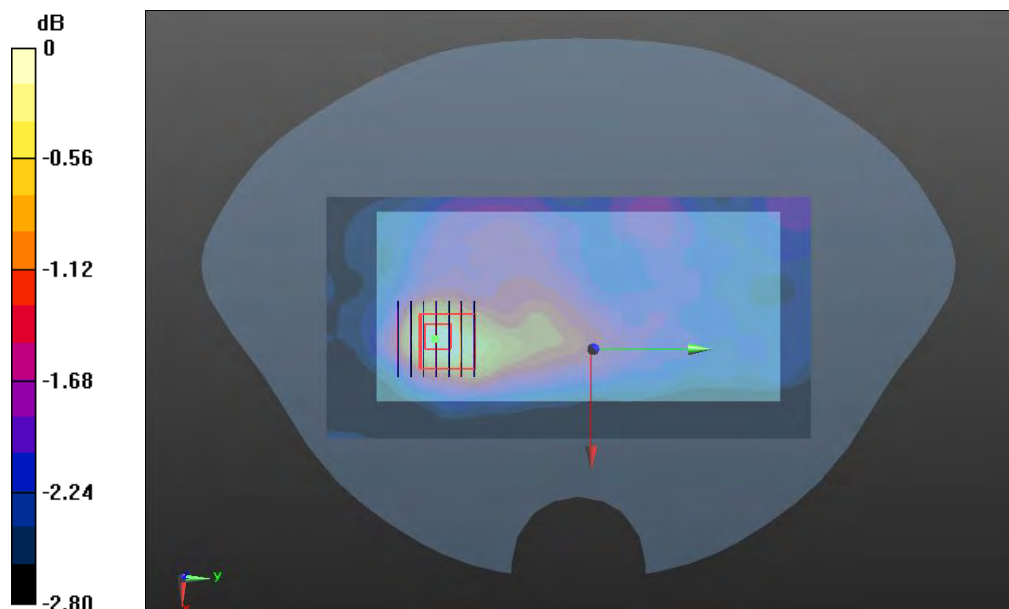
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.905 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.159 W/kg

SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.049 W/kg

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



0 dB = 0.105 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2450037-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2450037-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2450037-AC.pdf”.

ANNEX G TUNE-UP PROCEDURE

Please refer the document “BL-SZ2450037-AT.pdf”.

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