

TEST REPORT

Applicant: MEIZU TECHNOLOGY CO., LTD.
Address: MEIZU Tech Bldg, Technology & Innovation Coast,
Zhuhai, 519085, Guangdong, China
Equipment Type: Mobile Phone
Model Name: M511H
Brand Name: MEIZU
FCC ID: 2ANQ6-M511H
Test Standard: FCC 47 CFR Part 2.1093
(refer section 3.1)
Maximum SAR: Head (1 g@0mm): 0.91 W/kg
Body-worn (1 g@15mm): 0.37 W/kg
Hotspot (1 g@10mm): 1.18 W/kg
Sample Arrival Date: Feb. 26, 2025
Test Date: Feb. 27, 2025 - Mar. 07, 2025
Date of Issue: Apr. 01, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Guo Guangwei**Checked by:** Xu Rui**Approved by:** Tolan Tu
(Testing Director)

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Apr. 01, 2025</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	M511H
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	V1.0
Software Version	Android 15
Dimensions (Approx.)	170.75mm*77.5mm*8.9mm
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	BA511H
	Serial No.	N/A
	Capacity	Rated Capacity:5000mAh/19.2Wh Typical Capacity:5070mAh/19.47Wh
	Rated Voltage	3.84V
	Limit Charge Voltage	4.45V
	Manufacturer	Tianjin Lishen Juyuan New Energy Technology Co., Ltd.

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/17/18/19/26/66 TDD LTE Band 38/41 Bluetooth (BR+EDR+BLE) WIFI 802.11b, 802.11g, 802.11n GPS, GLONASS, Galileo, BDS
Note: The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.	

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

Operating Mode	GSM, WCDMA, LTE, 2.4G WIFI, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 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 18	TX: 815 ~ 824 MHz	RX: 860 ~ 869 MHz
		TX: 824 ~ 830 MHz	RX: 869 ~ 875 MHz
	LTE Band 19	TX: 830 ~ 845 MHz	RX: 875 ~ 890 MHz
	LTE Band 26	TX: 814 ~ 824 MHz	RX: 859 ~ 869 MHz
		TX: 824 ~ 849 MHz	RX: 869 ~ 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		
Bluetooth	2402 ~ 2480 MHz		
Antenna Type	WWAN: PIFA Antenna WIFI: PIFA Antenna Bluetooth: PIFA Antenna		
DTM	N/A		
Hotspot Function	Support		
Power Reduction	Support		
Exposure	General Population/Uncontrolled exposure		

Category		
Product Type	Portable Device	
EUT Type	☒ Production unit	☐ Identical prototype

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	ANSI/IEEE 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)	Head (0mm)	Body-worn (15mm)	Hotspot (10mm)
		1g SAR			1g SAR		
PCE	GSM 850	0.25	0.24	0.41	0.91	0.37	1.18
	GSM 1900	0.18	0.33	0.75			
	WCDMA Band 2	0.27	0.36	1.18			
	WCDMA Band 4	0.09	0.21	1.17			
	WCDMA Band 5	0.17	0.17	0.36			
	LTE Band 2	0.18	0.21	1.18			
	LTE Band 4	0.09	0.15	1.16			
	LTE Band 5	0.26	0.31	0.41			
	LTE Band 7	0.43	0.37	1.04			
	LTE Band 12	0.15	0.31	0.32			
	LTE Band 17	0.16	0.32	0.34			
	LTE Band 18	0.20	0.24	0.41			
	LTE Band 19	0.23	0.30	0.49			
	LTE Band 26	0.21	0.28	0.60			
	LTE Band 66	0.09	0.14	1.17			
	LTE Band 38	0.31	0.24	0.56			
	LTE Band 41	0.31	0.22	0.53			
DTS	2.4G WIFI	0.91	0.13	0.30			
DSS	Bluetooth	0.15	0.02	0.06			
Limit (W/kg)		1.6			1.6		
Verdict		PASS					

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR (W/kg)		
	Head 1g (0mm)	Body-worn 1g (0mm)	Hotspot 1g (10mm)
PCE	1.342	0.495	1.342
DTS	1.342	0.495	1.342
DSS	0.578	0.390	1.184
Limit (W/Kg)	1.60	1.60	1.60
Verdict	Pass		
Note: The highest simultaneous SAR please refer section 12.2			

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 1.18 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

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

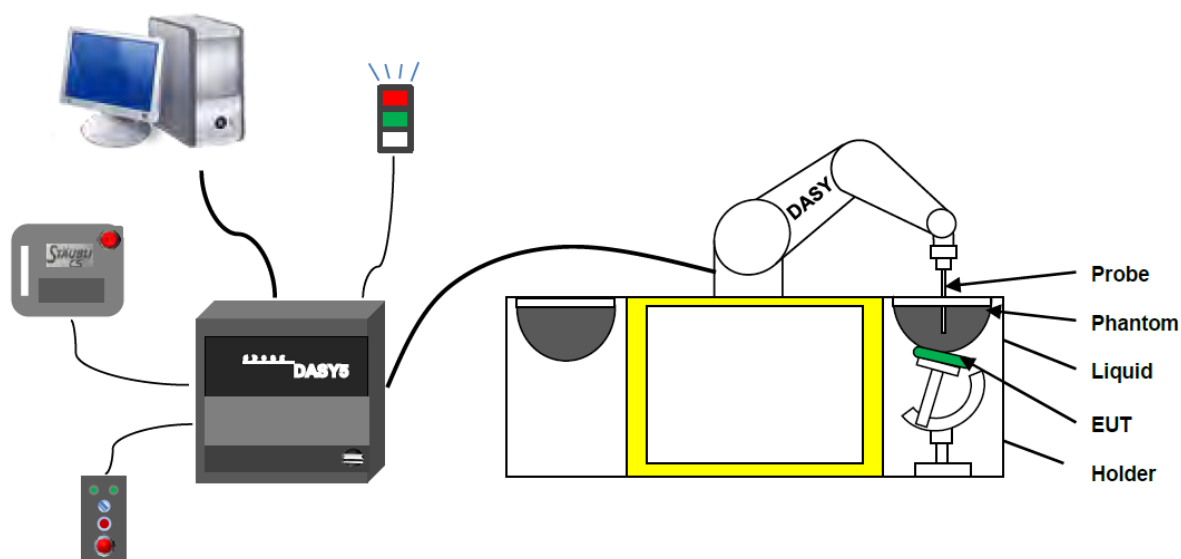
$$\text{SAR} = \frac{\sigma E^2}{\rho}$$

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 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., glycoether)
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 m
- The Inputs: Symmetrical and Floating
- Common Mode Rejection: Above 80dB

4.2.5 Phantoms

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



- Left head
- Right head
- Flat phantom

Photo of Phantom SN1576



Serial Number	Material	Length	Height
SN 1576 SAM1	Vinylester, glass fiber reinforced	1000	500

4.2.6 Device Holder

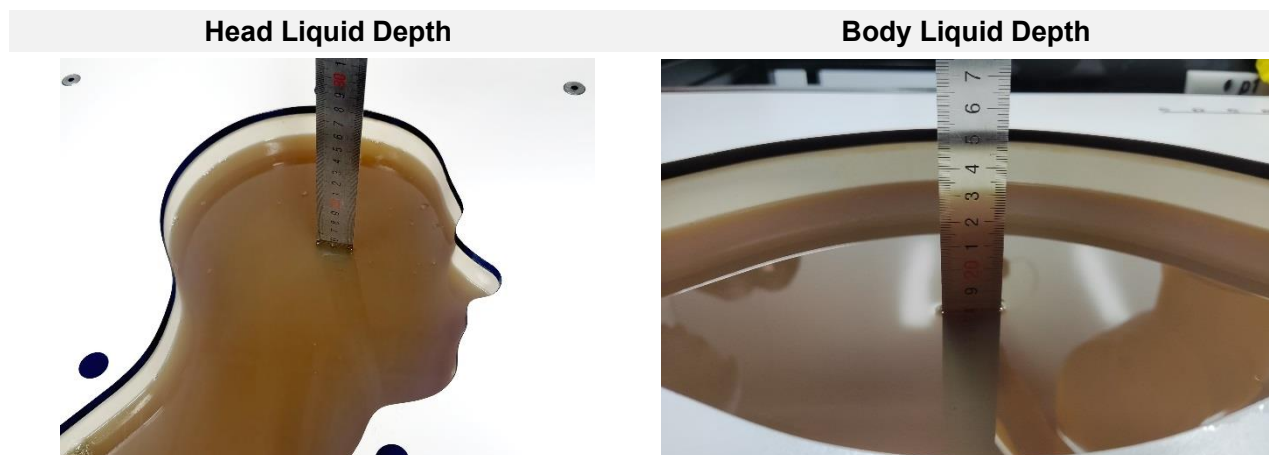
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for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



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

4.2.7 Simulating Liquid

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



The following table gives the recipes for tissue simulating liquid.

TSL	Manufacturer / Model	Freq Range (MHz)	Main Ingredients
Head WideBand	SPEAG HBBL600-10000V6	600-10000	Ethenediol, Sodium petroleum sulfonate, Hexylene Glycol / 2-Methyl-pentane-2.4-diol, Alkoxylated alcohol

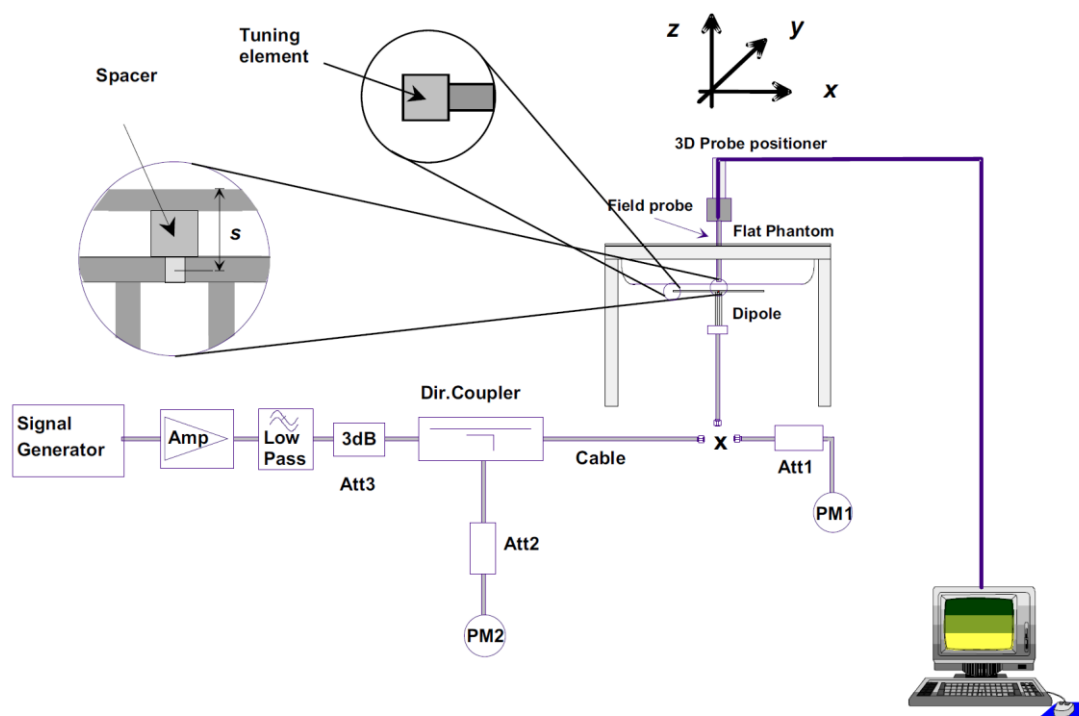
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

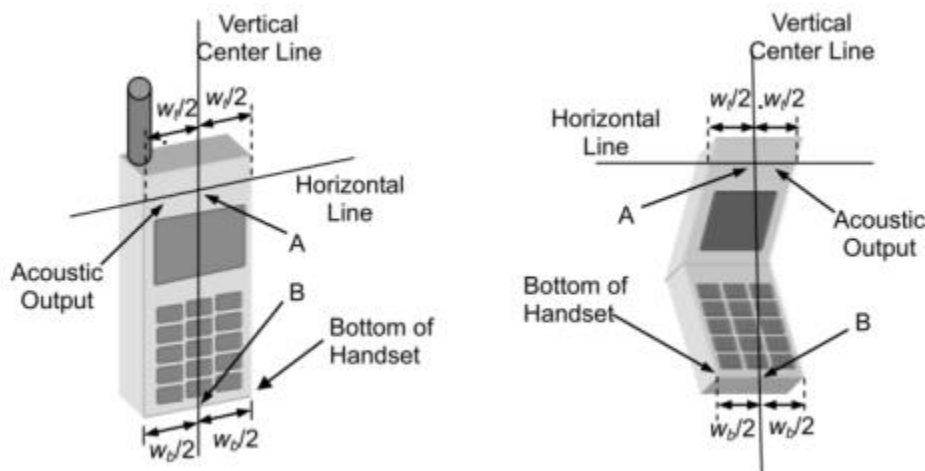
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

6.1 Head Exposure Conditions

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

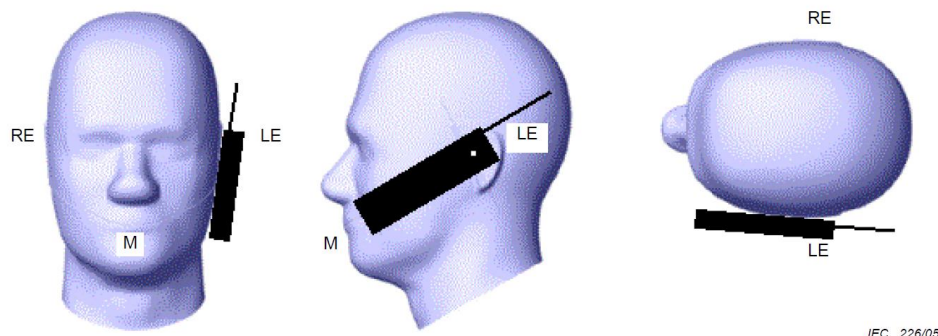
6.1.1 Two Imaginary Lines on the Handset

- The vertical center line passes through two points on the front side of the handset - the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the bottom of the handset.
- The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.
- The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.



6.1.2 Cheek Position

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



6.1.3 Tilted Position

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

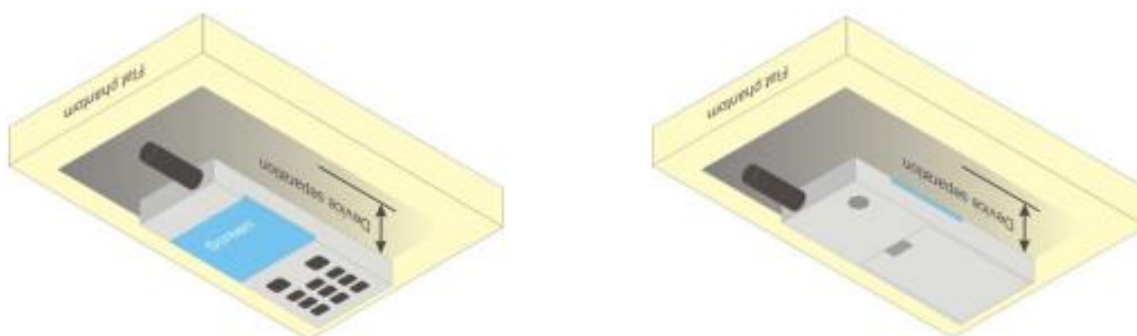


6.2 Body-worn Position Conditions

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

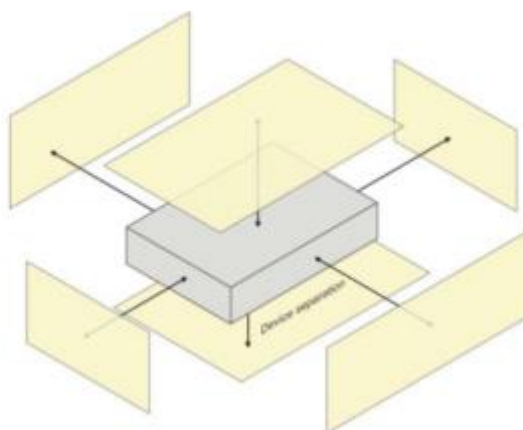
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



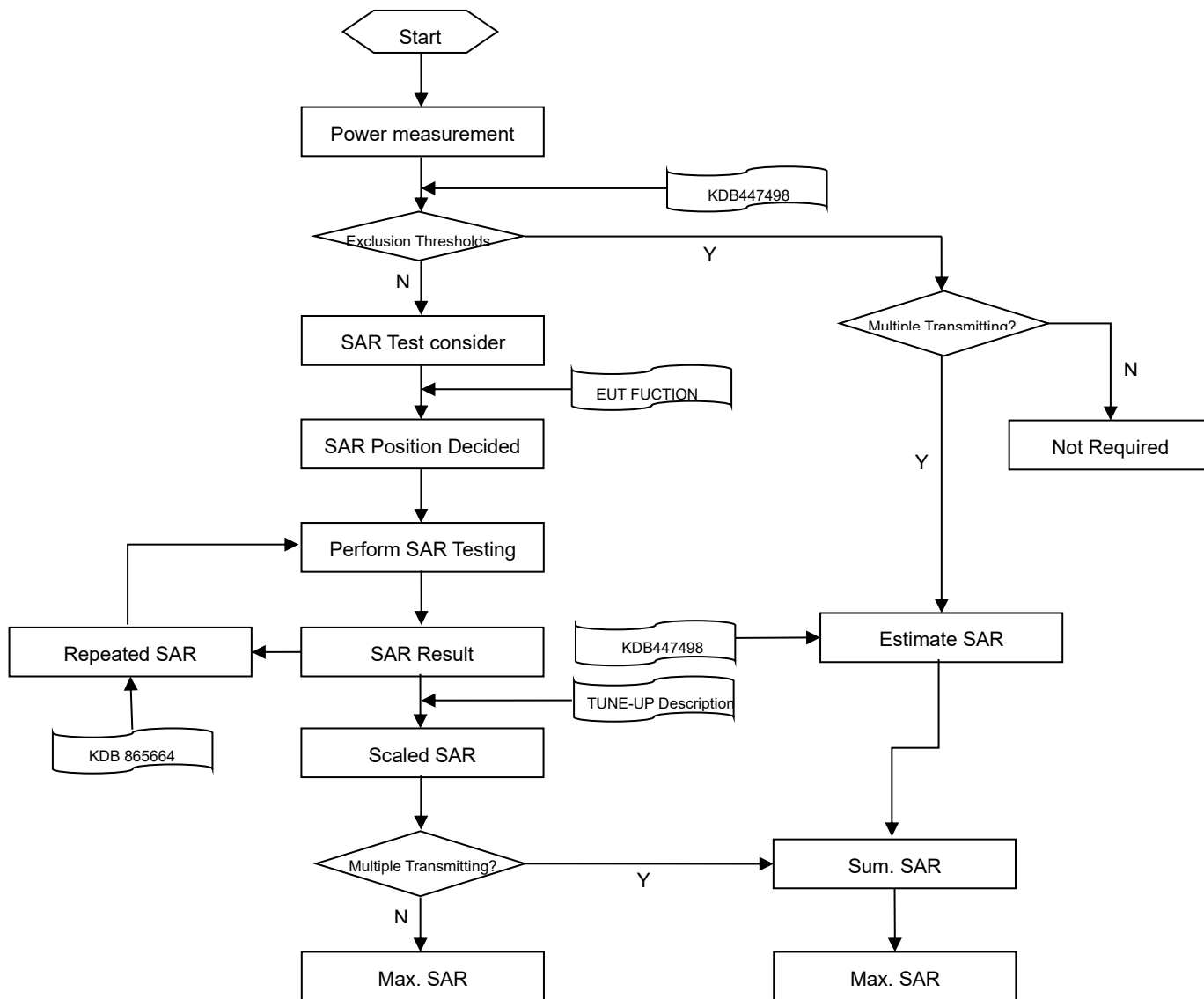
6.3 Hotspot Mode Exposure Position Conditions

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



7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

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

Note:

1. δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.
2. * When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

7.3 Measurement Procedure

The following steps are used for each test position

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

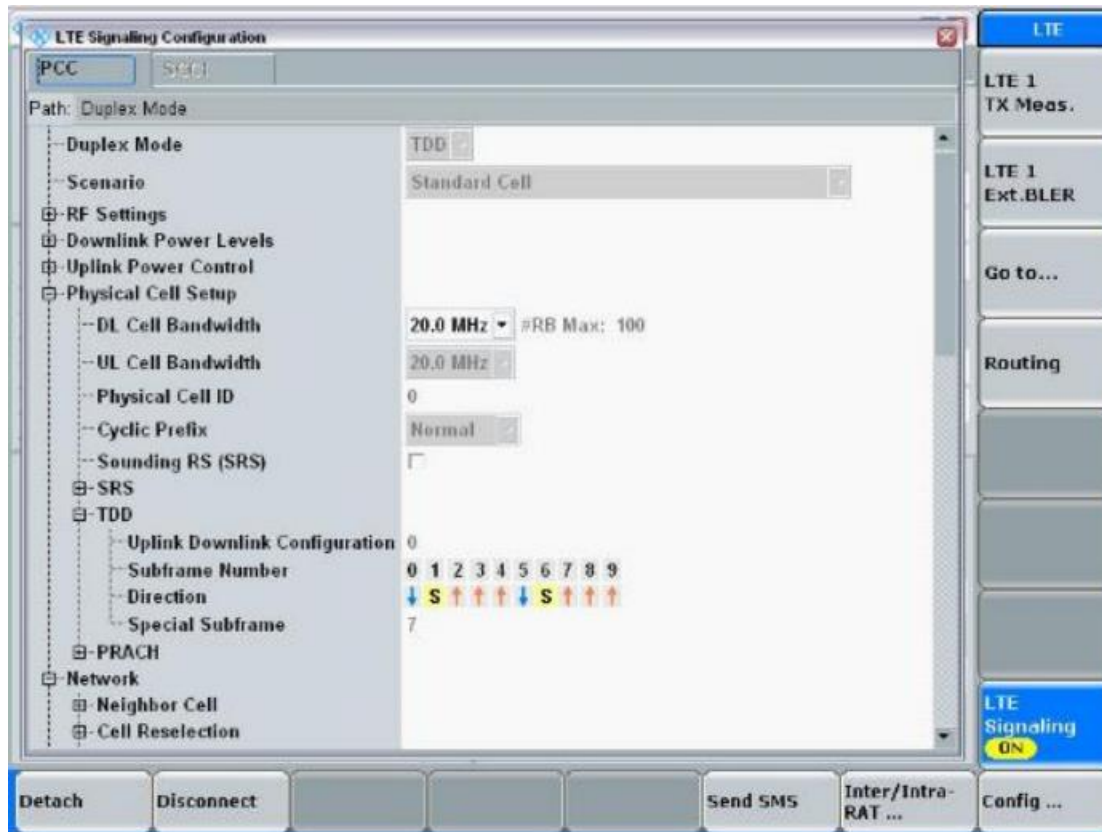
7.4 Area & Zoom Scan Procedure

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r04 quoted below.

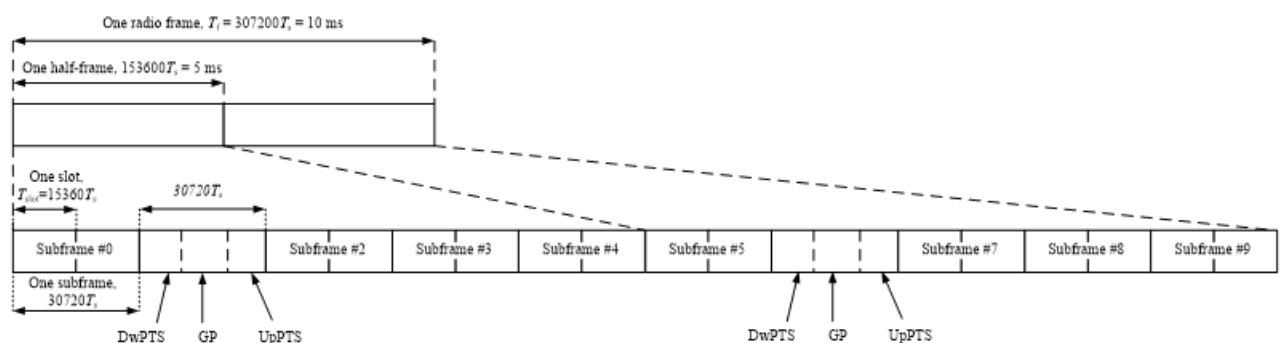
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

7.5 Area & Zoom Scan Procedure

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



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



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

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

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

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

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

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

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

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

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

8 CONDUCTED RF OUPUT POWER

8.1 GSM

Please refer the document “BL-SZ2520098-AP Power List.pdf”.

8.2 WCDMA

Please refer the document “BL-SZ2520098-AP Power List.pdf”.

8.3 LTE

Please refer the document “BL-SZ2520098-AP Power List.pdf”.

8.4 WIFI

8.4.1 2.4G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	AV Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4	802.11b	1	2412	17.70	18.00	Yes
		6	2437	13.75	14.00	Yes
		11	2462	16.73	17.00	Yes
	802.11g	1	2412	11.09	12.00	No
		6	2437	12.24	13.00	No
		11	2462	10.10	11.00	No
	802.11n(HT20)	1	2412	11.36	12.50	No
		6	2437	12.80	13.50	No
		11	2462	8.55	9.50	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 = $0.913 * (19.95\text{mW}/63.10\text{mW}) = 0.289$ W/Kg, so 2.4G OFDM SAR test is not required.

8.5 Bluetooth

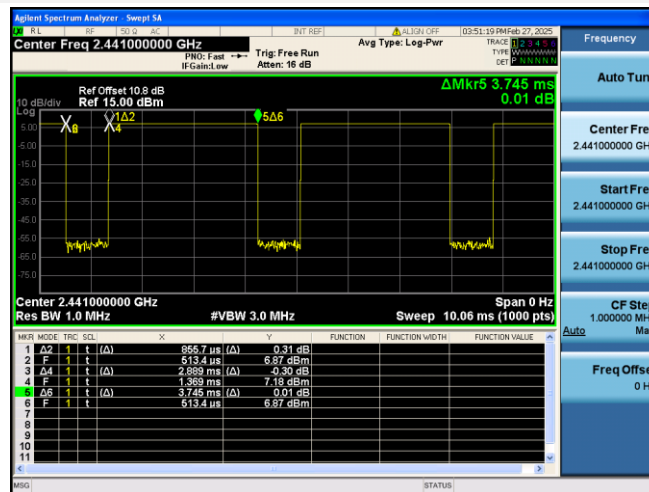
Mode	GFSK			$\pi/4$ -DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
AV Power (dBm)	7.76	7.13	6.71	0.56	2.19	1.91
Tune-Up Limit (dBm)	8.00	8.00	8.00	2.50	2.50	2.50
SAR Test Require	YES	NO	NO	NO	NO	NO
Mode	8-DPSK			BLE-1Mbps		
Channel	0	39	78	0	19	39
Frequency (MHz)	2402	2441	2480	2402	2440	2480
AV Power (dBm)	0.51	2.15	1.91	2.02	3.66	3.61
Tune-Up Limit (dBm)	2.50	2.50	2.50	4.00	4.00	4.00
SAR Test Require	NO	NO	NO	NO	NO	NO

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

Note: The Bluetooth duty cycle is 77.15 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle

GFSK



9 TEST EXCLUSION CONSIDERATION

For antenna location and support bands please refer the document “BL-SZ2520098-AI EUT internal photo.pdf”.

10 TEST RESULT

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

10.1GSM 850

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head												
Ant. 1	2Slots	Left Cheek	0	128	824.2	0.07	0.172	30.62	32.00	1.374	0.236	/
		Left Tilt	0	128	824.2	-0.08	0.101	30.62	32.00	1.374	0.139	/
		Right Cheek	0	128	824.2	0.03	0.184	30.62	32.00	1.374	0.253	1#
		Right Tilt	0	128	824.2	0.15	0.140	30.62	32.00	1.374	0.192	/
Body-worn												
Ant. 1	2Slots	Front Side	15	128	824.2	0.03	0.132	30.62	32.00	1.374	0.181	/
		Back Side	15	128	824.2	0.05	0.174	30.62	32.00	1.374	0.239	2#
Hotspot												
Ant. 1	2Slots	Front Side	10	128	824.2	0.14	0.150	30.62	32.00	1.374	0.206	/
		Back Side	10	128	824.2	-0.01	0.295	30.62	32.00	1.374	0.405	3#
		Left Edge	10	128	824.2	0.16	0.162	30.62	32.00	1.374	0.223	/
		Right Edge	10	128	824.2	0.15	0.078	30.62	32.00	1.374	0.107	/
		Bottom Edge	10	128	824.2	0.10	0.168	30.62	32.00	1.374	0.231	/

10.2GSM 1900

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head												
Ant. 1	3Slots	Left Cheek	0	512	1850.2	0.04	0.120	25.85	27.50	1.462	0.175	4#
		Left Tilt	0	512	1850.2	0.10	0.052	25.85	27.50	1.462	0.076	/
		Right Cheek	0	512	1850.2	0.08	0.092	25.85	27.50	1.462	0.135	/
		Right Tilt	0	512	1850.2	-0.11	0.082	25.85	27.50	1.462	0.120	/
Body-worn												
Ant. 1	3Slots	Front Side	15	512	1850.2	0.00	0.141	25.85	27.50	1.462	0.206	/
		Back Side	15	512	1850.2	0.02	0.224	25.85	27.50	1.462	0.327	5#
Hotspot												
Ant. 1	3Slots	Front Side	10	512	1850.2	0.13	0.230	25.85	27.50	1.462	0.336	/
		Back Side	10	512	1850.2	-0.04	0.390	25.85	27.50	1.462	0.570	/
		Left Edge	10	512	1850.2	-0.02	0.057	25.85	27.50	1.462	0.083	/
		Right Edge	10	512	1850.2	0.18	0.133	25.85	27.50	1.462	0.194	/
		Bottom Edge	10	512	1850.2	0.02	0.512	25.85	27.50	1.462	0.749	6#

10.3WCDMA Band 2

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head												
Ant.1	RMC	Left Cheek	0	9400	1880	-0.09	0.202	23.80	25.00	1.318	0.266	7#
		Left Tilt	0	9400	1880	-0.11	0.124	23.80	25.00	1.318	0.163	/
		Right Cheek	0	9400	1880	-0.06	0.163	23.80	25.00	1.318	0.215	/
		Right Tilt	0	9400	1880	0.17	0.132	23.80	25.00	1.318	0.174	/
Body-worn												
Ant.1	RMC	Front Side	15	9400	1880	0.10	0.160	23.80	25.00	1.318	0.211	/
		Back Side	15	9400	1880	0.07	0.269	23.80	25.00	1.318	0.355	8#
Hotspot												
Ant.1	RMC	Front Side	10	9400	1880	0.12	0.368	23.80	25.00	1.318	0.485	/
		Back Side	10	9400	1880	-0.12	0.587	23.80	25.00	1.318	0.774	/
		Left Edge	10	9400	1880	0.12	0.112	23.80	25.00	1.318	0.148	/
		Right Edge	10	9400	1880	0.08	0.234	23.80	25.00	1.318	0.308	/
		Bottom Edge	10	9400	1880	-0.01	0.791	23.80	25.00	1.318	1.043	/
		Bottom Edge	10	9262	1852.4	0.15	0.890	23.76	25.00	1.330	1.184	9#
		Bottom Edge	10	9538	1907.6	-0.15	0.786	23.74	25.00	1.337	1.051	/
Hotspot-Repeated SAR												
Ant.1	RMC	Bottom Edge	10	9262	1852.4	0.15	0.867	23.76	25.00	1.330	1.153	/

10.4WCDMA Band 4

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head												
Ant.1	RMC	Left Cheek	0	1412	1732.4	0.11	0.061	23.63	25.00	1.371	0.084	/
		Left Tilt	0	1412	1732.4	-0.19	0.044	23.63	25.00	1.371	0.060	/
		Right Cheek	0	1412	1732.4	0.03	0.065	23.63	25.00	1.371	0.089	10#
		Right Tilt	0	1412	1732.4	0.03	0.045	23.63	25.00	1.371	0.062	/
Body-worn												
Ant.1	RMC	Front Side	15	1412	1732.4	-0.13	0.083	23.63	25.00	1.371	0.114	/
		Back Side	15	1412	1732.4	-0.10	0.155	23.63	25.00	1.371	0.213	11#
Hotspot												
Ant.1	RMC	Front Side	10	1412	1732.4	-0.18	0.258	23.63	25.00	1.371	0.354	/
		Back Side	10	1412	1732.4	0.18	0.522	23.63	25.00	1.371	0.716	/
		Left Edge	10	1412	1732.4	0.06	0.057	23.63	25.00	1.371	0.078	/
		Right Edge	10	1412	1732.4	-0.18	0.157	23.63	25.00	1.371	0.215	/
		Bottom Edge	10	1412	1732.4	0.10	0.787	23.63	25.00	1.371	1.079	/
		Bottom Edge	10	1312	1712.4	0.17	0.755	23.51	25.00	1.409	1.064	/
		Bottom Edge	10	1513	1752.6	0.05	0.843	23.56	25.00	1.393	1.174	12#
Hotspot-Repeated SAR												
Ant.1	RMC	Bottom Edge	10	1513	1752.6	0.05	0.822	23.56	25.00	1.393	1.145	/

10.5WCDMA Band 5

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head												
Ant.1	RMC	Left Cheek	0	4182	836.4	-0.09	0.076	23.14	25.00	1.535	0.117	/
		Left Tilt	0	4182	836.4	-0.01	0.045	23.14	25.00	1.535	0.069	/
		Right Cheek	0	4182	836.4	0.04	0.112	23.14	25.00	1.535	0.172	13#
		Right Tilt	0	4182	836.4	0.15	0.054	23.14	25.00	1.535	0.083	/
Body-worn												
Ant.1	RMC	Front Side	15	4182	836.4	-0.11	0.092	23.14	25.00	1.535	0.141	/
		Back Side	15	4182	836.4	0.05	0.113	23.14	25.00	1.535	0.173	14#
Hotspot												
Ant.1	RMC	Front Side	10	4182	836.4	0.11	0.164	23.14	25.00	1.535	0.252	/
		Back Side	10	4182	836.4	-0.14	0.235	23.14	25.00	1.535	0.361	15#
		Left Edge	10	4182	836.4	-0.14	0.199	23.14	25.00	1.535	0.305	/
		Right Edge	10	4182	836.4	0.12	0.113	23.14	25.00	1.535	0.173	/
		Bottom Edge	10	4182	836.4	-0.12	0.209	23.14	25.00	1.535	0.321	/

10.6LTE Band 2 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	19100	1900	1	Mid	0.13	0.148	24.16	25.00	1.213	0.180	16#
		Left Tilt	0	19100	1900	1	Mid	-0.12	0.117	24.16	25.00	1.213	0.142	/
		Right Cheek	0	19100	1900	1	Mid	-0.08	0.118	24.16	25.00	1.213	0.143	/
		Right Tilt	0	19100	1900	1	Mid	-0.15	0.095	24.16	25.00	1.213	0.115	/
		Left Cheek	0	19100	1900	50	Mid	0.13	0.144	23.12	24.00	1.225	0.176	/
		Left Tilt	0	19100	1900	50	Mid	0.10	0.099	23.12	24.00	1.225	0.121	/
		Right Cheek	0	19100	1900	50	Mid	0.19	0.102	23.12	24.00	1.225	0.125	/
		Right Tilt	0	19100	1900	50	Mid	-0.17	0.082	23.12	24.00	1.225	0.100	/
Body-worn														
Ant.1	QPSK	Front Side	15	19100	1900	1	Mid	-0.19	0.116	24.16	25.00	1.213	0.141	/
		Back Side	15	19100	1900	1	Mid	0.08	0.173	24.16	25.00	1.213	0.210	17#
		Front Side	15	19100	1900	50	Mid	0.17	0.097	23.12	24.00	1.225	0.119	/
		Back Side	15	19100	1900	50	Mid	-0.14	0.145	23.12	24.00	1.225	0.178	/
Hotspot														
Ant.1	QPSK	Front Side	10	19100	1900	1	Mid	-0.08	0.359	24.16	25.00	1.213	0.435	/
		Back Side	10	19100	1900	1	Mid	0.15	0.553	24.16	25.00	1.213	0.671	/
		Left Edge	10	19100	1900	1	Mid	0.09	0.091	24.16	25.00	1.213	0.110	/
		Right Edge	10	19100	1900	1	Mid	-0.05	0.253	24.16	25.00	1.213	0.307	/
		Bottom Edge	10	19100	1900	1	Mid	0.05	0.723	24.16	25.00	1.213	0.877	/
		Front Side	10	19100	1900	50	Mid	-0.04	0.305	23.12	24.00	1.225	0.374	/
		Back Side	10	19100	1900	50	Mid	0.18	0.463	23.12	24.00	1.225	0.567	/
		Left Edge	10	19100	1900	50	Mid	0.08	0.084	23.12	24.00	1.225	0.103	/
		Right Edge	10	19100	1900	50	Mid	0.11	0.199	23.12	24.00	1.225	0.244	/
		Bottom Edge	10	19100	1900	50	Mid	-0.02	0.685	23.12	24.00	1.225	0.839	/
		Bottom Edge	10	18700	1860	1	Low	0.06	0.969	24.13	25.00	1.222	1.184	18#
		Bottom Edge	10	18900	1880	1	High	0.12	0.833	24.11	25.00	1.227	1.022	/
		Bottom Edge	10	18700	1860	50	Low	-0.14	0.751	23.11	24.00	1.227	0.921	/
		Bottom Edge	10	18900	1880	50	Mid	0.03	0.702	23.09	24.00	1.233	0.866	/
		Bottom Edge	10	19100	1900	100	Low	0.07	0.634	22.99	24.00	1.262	0.800	/
		Hotspot-Repeated SAR												
Ant.1	QPSK	Bottom Edge	10	18700	1860	1	Low	0.06	0.922	24.13	25.00	1.222	1.127	/

10.7LTE Band 4 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	20175	1732.5	1	High	0.12	0.063	23.63	25.00	1.371	0.086	19#
		Left Tilt	0	20175	1732.5	1	High	0.11	0.051	23.63	25.00	1.371	0.070	/
		Right Cheek	0	20175	1732.5	1	High	0.14	0.055	23.63	25.00	1.371	0.075	/
		Right Tilt	0	20175	1732.5	1	High	0.09	0.061	23.63	25.00	1.371	0.084	/
		Left Cheek	0	20175	1732.5	50	Mid	0.10	0.052	22.57	24.00	1.390	0.072	/
		Left Tilt	0	20175	1732.5	50	Mid	-0.07	0.031	22.57	24.00	1.390	0.043	/
		Right Cheek	0	20175	1732.5	50	Mid	0.02	0.044	22.57	24.00	1.390	0.061	/
		Right Tilt	0	20175	1732.5	50	Mid	-0.04	0.030	22.57	24.00	1.390	0.042	/
Body-worn														
Ant.1	QPSK	Front Side	15	20175	1732.5	1	High	0.15	0.057	23.63	25.00	1.371	0.078	/
		Back Side	15	20175	1732.5	1	High	0.02	0.110	23.63	25.00	1.371	0.151	20#
		Front Side	15	20175	1732.5	50	Mid	-0.12	0.048	22.57	24.00	1.390	0.067	/
		Back Side	15	20175	1732.5	50	Mid	-0.09	0.087	22.57	24.00	1.390	0.121	/
Hotspot														
Ant.1	QPSK	Front Side	10	20175	1732.5	1	High	-0.14	0.271	23.63	25.00	1.371	0.372	/
		Back Side	10	20175	1732.5	1	High	0.06	0.529	23.63	25.00	1.371	0.725	/
		Left Edge	10	20175	1732.5	1	High	-0.19	0.067	23.63	25.00	1.371	0.092	/
		Right Edge	10	20175	1732.5	1	High	-0.13	0.213	23.63	25.00	1.371	0.292	/
		Bottom Edge	10	20175	1732.5	1	High	-0.10	0.697	23.63	25.00	1.371	0.956	/
		Front Side	10	20175	1732.5	50	Mid	0.05	0.239	22.57	24.00	1.390	0.332	/
		Back Side	10	20175	1732.5	50	Mid	-0.17	0.435	22.57	24.00	1.390	0.605	/
		Left Edge	10	20175	1732.5	50	Mid	-0.18	0.055	22.57	24.00	1.390	0.076	/
		Right Edge	10	20175	1732.5	50	Mid	-0.18	0.130	22.57	24.00	1.390	0.181	/
		Bottom Edge	10	20175	1732.5	50	Mid	0.00	0.647	22.57	24.00	1.390	0.899	/
		Bottom Edge	10	20050	1720	1	Low	-0.18	0.690	23.29	25.00	1.483	1.023	/
		Bottom Edge	10	20300	1745	1	Mid	0.02	0.835	23.58	25.00	1.387	1.158	21#
		Bottom Edge	10	20050	1720	50	Low	-0.09	0.602	22.36	24.00	1.459	0.878	/
		Bottom Edge	10	20300	1745	50	High	-0.02	0.729	22.49	24.00	1.416	1.032	/
		Bottom Edge	10	20175	1732.5	100	Mid	-0.18	0.617	22.53	24.00	1.403	0.866	/
		Hotspot-Repeated SAR												
Ant.1	QPSK	Bottom Edge	10	20300	1745	1	Mid	0.02	0.811	23.58	25.00	1.387	1.125	/

10.8LTE Band 5 (10MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	20525	836.5	1	Low	0.14	0.151	23.36	25.00	1.459	0.220	/
		Left Tilt	0	20525	836.5	1	Low	0.17	0.085	23.36	25.00	1.459	0.124	/
		Right Cheek	0	20525	836.5	1	Low	0.08	0.177	23.36	25.00	1.459	0.258	22#
		Right Tilt	0	20525	836.5	1	Low	0.00	0.100	23.36	25.00	1.459	0.146	/
		Left Cheek	0	20525	836.5	25	Low	-0.13	0.117	22.24	24.00	1.500	0.176	/
		Left Tilt	0	20525	836.5	25	Low	-0.03	0.067	22.24	24.00	1.500	0.101	/
		Right Cheek	0	20525	836.5	25	Low	0.17	0.138	22.24	24.00	1.500	0.207	/
		Right Tilt	0	20525	836.5	25	Low	-0.12	0.074	22.24	24.00	1.500	0.111	/
Body-worn														
Ant.1	QPSK	Front Side	15	20525	836.5	1	Mid	-0.15	0.197	23.36	25.00	1.459	0.287	/
		Back Side	15	20525	836.5	1	Mid	0.08	0.209	23.36	25.00	1.459	0.305	23#
		Front Side	15	20525	836.5	25	Mid	0.17	0.142	22.24	24.00	1.500	0.213	/
		Back Side	15	20525	836.5	25	Mid	-0.01	0.178	22.24	24.00	1.500	0.267	/
Hotspot														
Ant.1	QPSK	Front Side	10	20525	836.5	1	Mid	-0.07	0.154	23.36	25.00	1.459	0.225	/
		Back Side	10	20525	836.5	1	Mid	0.05	0.278	23.36	25.00	1.459	0.406	24#
		Left Edge	10	20525	836.5	1	Mid	0.13	0.184	23.36	25.00	1.459	0.268	/
		Right Edge	10	20525	836.5	1	Mid	-0.18	0.094	23.36	25.00	1.459	0.137	/
		Bottom Edge	10	20525	836.5	1	Mid	0.08	0.183	23.36	25.00	1.459	0.267	/
		Front Side	10	20525	836.5	25	Mid	-0.07	0.135	22.24	24.00	1.500	0.203	/
		Back Side	10	20525	836.5	25	Mid	0.17	0.236	22.24	24.00	1.500	0.354	/
		Left Edge	10	20525	836.5	25	Mid	0.05	0.135	22.24	24.00	1.500	0.203	/
		Right Edge	10	20525	836.5	25	Mid	0.06	0.079	22.24	24.00	1.500	0.119	/
		Bottom Edge	10	20525	836.5	25	Mid	-0.15	0.146	22.24	24.00	1.500	0.219	/

10.9LTE Band 7 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	21100	2535	1	High	0.04	0.286	23.24	25.00	1.500	0.429	25#
		Left Tilt	0	21100	2535	1	High	-0.14	0.169	23.24	25.00	1.500	0.254	/
		Right Cheek	0	21100	2535	1	High	-0.10	0.143	23.24	25.00	1.500	0.215	/
		Right Tilt	0	21100	2535	1	High	-0.12	0.166	23.24	25.00	1.500	0.249	/
		Left Cheek	0	21100	2535	50	Mid	0.01	0.227	22.23	24.00	1.503	0.341	/
		Left Tilt	0	21100	2535	50	Mid	-0.10	0.137	22.23	24.00	1.503	0.206	/
		Right Cheek	0	21100	2535	50	Mid	-0.10	0.114	22.23	24.00	1.503	0.171	/
		Right Tilt	0	21100	2535	50	Mid	-0.19	0.136	22.23	24.00	1.503	0.204	/
Body-worn														
Ant.1	QPSK	Front Side	15	21100	2535	1	High	0.19	0.167	23.24	25.00	1.500	0.251	/
		Back Side	15	21100	2535	1	High	0.06	0.246	23.24	25.00	1.500	0.369	26#
		Front Side	15	21100	2535	50	Mid	-0.10	0.137	22.23	24.00	1.503	0.206	/
		Back Side	15	21100	2535	50	Mid	-0.07	0.181	22.23	24.00	1.503	0.272	/
Hotspot														
Ant.1	QPSK	Front Side	10	21100	2535	1	High	-0.17	0.422	23.24	25.00	1.500	0.633	/
		Back Side	10	21100	2535	1	High	0.07	0.693	23.24	25.00	1.500	1.040	27#
		Left Edge	10	21100	2535	1	High	-0.17	0.012	23.24	25.00	1.500	0.018	/
		Right Edge	10	21100	2535	1	High	0.04	0.447	23.24	25.00	1.500	0.671	/
		Bottom Edge	10	21100	2535	1	High	0.07	0.423	23.24	25.00	1.500	0.635	/
		Front Side	10	21100	2535	50	Mid	0.00	0.344	22.23	24.00	1.503	0.517	/
		Back Side	10	21100	2535	50	Mid	0.10	0.522	22.23	24.00	1.503	0.785	/
		Left Edge	10	21100	2535	50	Mid	-0.03	0.009	22.23	24.00	1.503	0.014	/
		Right Edge	10	21100	2535	50	Mid	0.16	0.357	22.23	24.00	1.503	0.537	/
		Bottom Edge	10	21100	2535	50	Mid	0.01	0.388	22.23	24.00	1.503	0.583	/
		Back Side	10	20850	2510	1	Mid	0.19	0.623	23.21	25.00	1.510	0.941	/
		Back Side	10	21350	2560	1	High	0.12	0.653	23.24	25.00	1.500	0.980	/
		Back Side	10	20850	2510	50	Low	0.03	0.534	22.16	24.00	1.528	0.816	/
		Back Side	10	21350	2560	50	High	0.11	0.537	22.17	24.00	1.524	0.818	/
		Back Side	10	21100	2535	100	Low	0.09	0.512	22.17	24.00	1.524	0.780	/

10.10 LTE Band 12 (10MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	23095	707.5	1	Mid	0.17	0.101	23.40	25.00	1.445	0.146	/
		Left Tilt	0	23095	707.5	1	Mid	-0.15	0.057	23.40	25.00	1.445	0.082	/
		Right Cheek	0	23095	707.5	1	Mid	0.18	0.103	23.40	25.00	1.445	0.149	28#
		Right Tilt	0	23095	707.5	1	Mid	0.14	0.065	23.40	25.00	1.445	0.094	/
		Left Cheek	0	23095	707.5	25	Low	-0.14	0.086	22.45	24.00	1.429	0.123	/
		Left Tilt	0	23095	707.5	25	Low	-0.13	0.049	22.45	24.00	1.429	0.070	/
		Right Cheek	0	23095	707.5	25	Low	0.18	0.095	22.45	24.00	1.429	0.136	/
		Right Tilt	0	23095	707.5	25	Low	0.13	0.055	22.45	24.00	1.429	0.079	/
Body-worn														
Ant.1	QPSK	Front Side	15	23095	707.5	1	Mid	0.11	0.146	23.40	25.00	1.445	0.211	/
		Back Side	15	23095	707.5	1	Mid	-0.05	0.215	23.40	25.00	1.445	0.311	29#
		Front Side	15	23095	707.5	25	Low	0.14	0.117	22.45	24.00	1.429	0.167	/
		Back Side	15	23095	707.5	25	Low	-0.06	0.167	22.45	24.00	1.429	0.239	/
Hotspot														
Ant.1	QPSK	Front Side	10	23095	707.5	1	Mid	-0.07	0.140	23.40	25.00	1.445	0.202	/
		Back Side	10	23095	707.5	1	Mid	-0.18	0.221	23.40	25.00	1.445	0.319	30#
		Left Edge	10	23095	707.5	1	Mid	-0.11	0.170	23.40	25.00	1.445	0.246	/
		Right Edge	10	23095	707.5	1	Mid	-0.18	0.132	23.40	25.00	1.445	0.191	/
		Bottom Edge	10	23095	707.5	1	Mid	-0.11	0.099	23.40	25.00	1.445	0.143	/
		Front Side	10	23095	707.5	25	Low	0.11	0.109	22.45	24.00	1.429	0.156	/
		Back Side	10	23095	707.5	25	Low	-0.06	0.171	22.45	24.00	1.429	0.244	/
		Left Edge	10	23095	707.5	25	Low	-0.18	0.145	22.45	24.00	1.429	0.207	/
		Right Edge	10	23095	707.5	25	Low	-0.08	0.113	22.45	24.00	1.429	0.161	/
		Bottom Edge	10	23095	707.5	25	Low	-0.14	0.079	22.45	24.00	1.429	0.113	/

10.11 LTE Band 17 (10MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	23790	710	1	Mid	-0.12	0.090	23.42	25.00	1.439	0.130	/
		Left Tilt	0	23790	710	1	Mid	0.18	0.046	23.42	25.00	1.439	0.066	/
		Right Cheek	0	23790	710	1	Mid	0.14	0.110	23.42	25.00	1.439	0.158	28#
		Right Tilt	0	23790	710	1	Mid	0.13	0.054	23.42	25.00	1.439	0.078	/
		Left Cheek	0	23790	710	25	Low	-0.11	0.076	22.53	24.00	1.403	0.107	/
		Left Tilt	0	23790	710	25	Low	-0.17	0.040	22.53	24.00	1.403	0.056	/
		Right Cheek	0	23790	710	25	Low	-0.12	0.080	22.53	24.00	1.403	0.112	/
		Right Tilt	0	23790	710	25	Low	-0.03	0.047	22.53	24.00	1.403	0.066	/
Body-worn														
Ant.1	QPSK	Front Side	15	23790	710	1	Mid	-0.12	0.145	23.42	25.00	1.439	0.209	/
		Back Side	15	23790	710	1	Mid	-0.14	0.219	23.42	25.00	1.439	0.315	29#
		Front Side	15	23790	710	25	Low	0.14	0.115	22.53	24.00	1.403	0.161	/
		Back Side	15	23790	710	25	Low	0.12	0.167	22.53	24.00	1.403	0.234	/
Hotspot														
Ant.1	QPSK	Front Side	10	23790	710	1	Mid	-0.12	0.140	23.42	25.00	1.439	0.201	/
		Back Side	10	23790	710	1	Mid	-0.11	0.236	23.42	25.00	1.439	0.340	30#
		Left Edge	10	23790	710	1	Mid	-0.08	0.177	23.42	25.00	1.439	0.255	/
		Right Edge	10	23790	710	1	Mid	0.09	0.140	23.42	25.00	1.439	0.201	/
		Bottom Edge	10	23790	710	1	Mid	0.02	0.103	23.42	25.00	1.439	0.148	/
		Front Side	10	23790	710	25	Low	0.08	0.116	22.53	24.00	1.403	0.163	/
		Back Side	10	23790	710	25	Low	-0.14	0.173	22.53	24.00	1.403	0.243	/
		Left Edge	10	23790	710	25	Low	-0.18	0.117	22.53	24.00	1.403	0.164	/
		Right Edge	10	23790	710	25	Low	-0.16	0.143	22.53	24.00	1.403	0.201	/
		Bottom Edge	10	23790	710	25	Low	0.01	0.103	22.53	24.00	1.403	0.145	/

10.12 LTE Band 18 (15MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	23925	822.5	1	Low	-0.19	0.105	23.65	25.00	1.365	0.143	/
		Left Tilt	0	23925	822.5	1	Low	-0.14	0.055	23.65	25.00	1.365	0.075	/
		Right Cheek	0	23925	822.5	1	Low	0.14	0.148	23.65	25.00	1.365	0.202	34#
		Right Tilt	0	23925	822.5	1	Low	0.04	0.071	23.65	25.00	1.365	0.097	/
		Left Cheek	0	23925	822.5	36	Low	0.07	0.089	22.62	24.00	1.374	0.122	/
		Left Tilt	0	23925	822.5	36	Low	0.08	0.050	22.62	24.00	1.374	0.069	/
		Right Cheek	0	23925	822.5	36	Low	0.13	0.124	22.62	24.00	1.374	0.170	/
		Right Tilt	0	23925	822.5	36	Low	-0.02	0.062	22.62	24.00	1.374	0.085	/
Body-worn														
Ant.1	QPSK	Front Side	15	23925	822.5	1	Low	-0.03	0.153	23.65	25.00	1.365	0.209	/
		Back Side	15	23925	822.5	1	Low	-0.09	0.174	23.65	25.00	1.365	0.238	35#
		Front Side	15	23925	822.5	36	Low	0.00	0.123	22.62	24.00	1.374	0.169	/
		Back Side	15	23925	822.5	36	Low	0.13	0.141	22.62	24.00	1.374	0.194	/
Hotspot														
Ant.1	QPSK	Front Side	10	23925	822.5	1	Low	0.16	0.180	23.65	25.00	1.365	0.246	/
		Back Side	10	23925	822.5	1	Low	0.06	0.298	23.65	25.00	1.365	0.407	36#
		Left Edge	10	23925	822.5	1	Low	0.15	0.192	23.65	25.00	1.365	0.262	/
		Right Edge	10	23925	822.5	1	Low	0.02	0.115	23.65	25.00	1.365	0.157	/
		Bottom Edge	10	23925	822.5	1	Low	0.03	0.214	23.65	25.00	1.365	0.292	/
		Front Side	10	23925	822.5	36	Low	0.02	0.137	22.62	24.00	1.374	0.188	/
		Back Side	10	23925	822.5	36	Low	-0.11	0.239	22.62	24.00	1.374	0.328	/
		Left Edge	10	23925	822.5	36	Low	-0.06	0.151	22.62	24.00	1.374	0.207	/
		Right Edge	10	23925	822.5	36	Low	0.03	0.092	22.62	24.00	1.374	0.126	/
		Bottom Edge	10	23925	822.5	36	Low	-0.13	0.163	22.62	24.00	1.374	0.224	/

10.13 LTE Band 19 (15MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	24075	837.5	1	Low	0.15	0.124	23.67	25.00	1.358	0.168	/
		Left Tilt	0	24075	837.5	1	Low	-0.04	0.075	23.67	25.00	1.358	0.102	/
		Right Cheek	0	24075	837.5	1	Low	0.05	0.166	23.67	25.00	1.358	0.225	37#
		Right Tilt	0	24075	837.5	1	Low	0.16	0.093	23.67	25.00	1.358	0.126	/
		Left Cheek	0	24075	837.5	36	Low	0.16	0.102	22.53	24.00	1.403	0.143	/
		Left Tilt	0	24075	837.5	36	Low	0.12	0.062	22.53	24.00	1.403	0.087	/
		Right Cheek	0	24075	837.5	36	Low	0.11	0.138	22.53	24.00	1.403	0.194	/
		Right Tilt	0	24075	837.5	36	Low	-0.13	0.079	22.53	24.00	1.403	0.111	/
Body-worn														
Ant.1	QPSK	Front Side	15	24075	837.5	1	Low	-0.12	0.190	23.67	25.00	1.358	0.258	/
		Back Side	15	24075	837.5	1	Low	-0.09	0.218	23.67	25.00	1.358	0.296	38#
		Front Side	15	24075	837.5	36	Low	0.02	0.149	22.53	24.00	1.403	0.209	/
		Back Side	15	24075	837.5	36	Low	0.11	0.173	22.53	24.00	1.403	0.243	/
Hotspot														
Ant.1	QPSK	Front Side	10	24075	837.5	1	Low	-0.13	0.218	23.67	25.00	1.358	0.296	/
		Back Side	10	24075	837.5	1	Low	0.01	0.363	23.67	25.00	1.358	0.493	39#
		Left Edge	10	24075	837.5	1	Low	0.12	0.224	23.67	25.00	1.358	0.304	/
		Right Edge	10	24075	837.5	1	Low	0.07	0.108	23.67	25.00	1.358	0.147	/
		Bottom Edge	10	24075	837.5	1	Low	-0.15	0.246	23.67	25.00	1.358	0.334	/
		Front Side	10	24075	837.5	36	Low	-0.02	0.171	22.53	24.00	1.403	0.240	/
		Back Side	10	24075	837.5	36	Low	0.16	0.313	22.53	24.00	1.403	0.439	/
		Left Edge	10	24075	837.5	36	Low	-0.19	0.173	22.53	24.00	1.403	0.243	/
		Right Edge	10	24075	837.5	36	Low	0.09	0.090	22.53	24.00	1.403	0.126	/
		Bottom Edge	10	24075	837.5	36	Low	0.18	0.213	22.53	24.00	1.403	0.299	/

10.14 LTE Band 26 (15MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	26865	831.5	1	Low	0.02	0.123	23.49	25.00	1.416	0.174	/
		Left Tilt	0	26865	831.5	1	Low	0.12	0.071	23.49	25.00	1.416	0.101	/
		Right Cheek	0	26865	831.5	1	Low	0.15	0.151	23.49	25.00	1.416	0.214	40#
		Right Tilt	0	26865	831.5	1	Low	0.18	0.082	23.49	25.00	1.416	0.116	/
		Left Cheek	0	26865	831.5	36	Low	-0.19	0.107	22.42	24.00	1.439	0.154	/
		Left Tilt	0	26865	831.5	36	Low	-0.19	0.065	22.42	24.00	1.439	0.094	/
		Right Cheek	0	26865	831.5	36	Low	0.00	0.126	22.42	24.00	1.439	0.181	/
		Right Tilt	0	26865	831.5	36	Low	-0.10	0.075	22.42	24.00	1.439	0.108	/
Body-worn														
Ant.1	QPSK	Front Side	15	26865	831.5	1	Low	0.11	0.154	23.49	25.00	1.416	0.218	/
		Back Side	15	26865	831.5	1	Low	0.01	0.200	23.49	25.00	1.416	0.283	41#
		Front Side	15	26865	831.5	36	Low	-0.08	0.125	22.42	24.00	1.439	0.180	/
		Back Side	15	26865	831.5	36	Low	0.14	0.162	22.42	24.00	1.439	0.233	/
Hotspot														
Ant.1	QPSK	Front Side	10	26865	831.5	1	Low	0.15	0.204	23.49	25.00	1.416	0.289	/
		Back Side	10	26865	831.5	1	Low	0.01	0.424	23.49	25.00	1.416	0.600	42#
		Left Edge	10	26865	831.5	1	Low	-0.12	0.230	23.49	25.00	1.416	0.326	/
		Right Edge	10	26865	831.5	1	Low	0.07	0.125	23.49	25.00	1.416	0.177	/
		Bottom Edge	10	26865	831.5	1	Low	0.03	0.247	23.49	25.00	1.416	0.350	/
		Front Side	10	26865	831.5	36	Low	0.15	0.159	22.42	24.00	1.439	0.229	/
		Back Side	10	26865	831.5	36	Low	-0.12	0.289	22.42	24.00	1.439	0.416	/
		Left Edge	10	26865	831.5	36	Low	-0.09	0.179	22.42	24.00	1.439	0.258	/
		Right Edge	10	26865	831.5	36	Low	0.14	0.102	22.42	24.00	1.439	0.147	/
		Bottom Edge	10	26865	831.5	36	Low	-0.19	0.191	22.42	24.00	1.439	0.275	/

10.15 LTE Band 66 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	132322	1745	1	High	0.14	0.077	24.14	25.00	1.219	0.094	43#
		Left Tilt	0	132322	1745	1	High	0.17	0.047	24.14	25.00	1.219	0.057	/
		Right Cheek	0	132322	1745	1	High	-0.18	0.055	24.14	25.00	1.219	0.067	/
		Right Tilt	0	132322	1745	1	High	0.16	0.051	24.14	25.00	1.219	0.062	/
		Left Cheek	0	132322	1745	50	Mid	0.05	0.064	23.01	24.00	1.256	0.080	/
		Left Tilt	0	132322	1745	50	Mid	-0.07	0.042	23.01	24.00	1.256	0.053	/
		Right Cheek	0	132322	1745	50	Mid	-0.05	0.051	23.01	24.00	1.256	0.064	/
		Right Tilt	0	132322	1745	50	Mid	0.17	0.045	23.01	24.00	1.256	0.057	/
Body-worn														
Ant.1	QPSK	Front Side	15	132322	1745	1	High	0.13	0.066	24.14	25.00	1.219	0.080	/
		Back Side	15	132322	1745	1	High	0.09	0.113	24.14	25.00	1.219	0.138	44#
		Front Side	15	132322	1745	50	Mid	-0.18	0.050	23.01	24.00	1.256	0.063	/
		Back Side	15	132322	1745	50	Mid	-0.02	0.091	23.01	24.00	1.256	0.114	/
Hotspot														
Ant.1	QPSK	Front Side	10	132322	1745	1	High	0.07	0.304	24.14	25.00	1.219	0.371	/
		Back Side	10	132322	1745	1	High	-0.09	0.560	24.14	25.00	1.219	0.683	/
		Left Edge	10	132322	1745	1	High	0.03	0.084	24.14	25.00	1.219	0.102	/
		Right Edge	10	132322	1745	1	High	0.00	0.212	24.14	25.00	1.219	0.258	/
		Bottom Edge	10	132322	1745	1	High	-0.05	0.789	24.14	25.00	1.219	0.962	/
		Front Side	10	132322	1745	50	Mid	-0.14	0.242	23.01	24.00	1.256	0.304	/
		Back Side	10	132322	1745	50	Mid	-0.14	0.451	23.01	24.00	1.256	0.566	/
		Left Edge	10	132322	1745	50	Mid	-0.06	0.059	23.01	24.00	1.256	0.074	/
		Right Edge	10	132322	1745	50	Mid	0.09	0.157	23.01	24.00	1.256	0.197	/
		Bottom Edge	10	132322	1745	50	Mid	0.18	0.589	23.01	24.00	1.256	0.740	/
		Bottom Edge	10	132072	1720	1	High	-0.04	0.704	23.76	25.00	1.330	0.936	/
		Bottom Edge	10	132572	1770	1	High	0.02	0.950	24.11	25.00	1.227	1.166	45#
		Bottom Edge	10	132072	1720	50	Mid	0.07	0.596	22.67	24.00	1.358	0.809	/
		Bottom Edge	10	132572	1770	50	Low	0.01	0.787	22.90	24.00	1.288	1.014	/
		Bottom Edge	10	132322	1745	100	Low	0.16	0.702	22.99	24.00	1.262	0.886	/
Hotspot-Repeated SAR														
Ant.1	QPSK	Bottom Edge	10	132572	1770	1	Mid	0.02	0.921	24.11	25.00	1.227	1.130	/

10.16 LTE Band 38 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	38000	2595	1	Low	-0.12	0.218	23.52	25.00	1.406	0.307	46#
		Left Tilt	0	38000	2595	1	Low	-0.15	0.118	23.52	25.00	1.406	0.166	/
		Right Cheek	0	38000	2595	1	Low	0.19	0.103	23.52	25.00	1.406	0.145	/
		Right Tilt	0	38000	2595	1	Low	-0.09	0.135	23.52	25.00	1.406	0.190	/
		Left Cheek	0	38000	2595	50	High	-0.09	0.170	22.59	24.00	1.384	0.235	/
		Left Tilt	0	38000	2595	50	High	0.07	0.089	22.59	24.00	1.384	0.123	/
		Right Cheek	0	38000	2595	50	High	-0.15	0.098	22.59	24.00	1.384	0.136	/
		Right Tilt	0	38000	2595	50	High	-0.02	0.102	22.59	24.00	1.384	0.141	/
Body-worn														
Ant.1	QPSK	Front Side	15	38000	2595	1	Low	0.17	0.134	23.52	25.00	1.406	0.188	/
		Back Side	15	38000	2595	1	Low	0.05	0.167	23.52	25.00	1.406	0.235	47#
		Front Side	15	38000	2595	50	High	0.19	0.110	22.59	24.00	1.384	0.152	/
		Back Side	15	38000	2595	50	High	0.09	0.138	22.59	24.00	1.384	0.191	/
Hotspot														
Ant.1	QPSK	Front Side	10	38000	2595	1	Low	0.10	0.285	23.52	25.00	1.406	0.401	/
		Back Side	10	38000	2595	1	Low	0.04	0.396	23.52	25.00	1.406	0.557	48#
		Left Edge	10	38000	2595	1	Low	0.01	0.055	23.52	25.00	1.406	0.077	/
		Right Edge	10	38000	2595	1	Low	-0.06	0.332	23.52	25.00	1.406	0.467	/
		Bottom Edge	10	38000	2595	1	Low	0.05	0.350	23.52	25.00	1.406	0.492	/
		Front Side	10	38000	2595	50	High	-0.17	0.231	22.59	24.00	1.384	0.320	/
		Back Side	10	38000	2595	50	High	0.08	0.370	22.59	24.00	1.384	0.512	/
		Left Edge	10	38000	2595	50	High	0.17	0.042	22.59	24.00	1.384	0.058	/
		Right Edge	10	38000	2595	50	High	-0.12	0.273	22.59	24.00	1.384	0.378	/
		Bottom Edge	10	38000	2595	50	High	-0.08	0.271	22.59	24.00	1.384	0.375	/

10.17 LTE Band 41 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.1	QPSK	Left Cheek	0	40620	2593	1	Low	0.14	0.217	23.48	25.00	1.419	0.308	49#
		Left Tilt	0	40620	2593	1	Low	0.13	0.110	23.48	25.00	1.419	0.156	/
		Right Cheek	0	40620	2593	1	Low	0.04	0.094	23.48	25.00	1.419	0.133	/
		Right Tilt	0	40620	2593	1	Low	0.10	0.123	23.48	25.00	1.419	0.175	/
		Left Cheek	0	40620	2593	50	Mid	0.09	0.170	22.48	24.00	1.419	0.241	/
		Left Tilt	0	40620	2593	50	Mid	0.03	0.098	22.48	24.00	1.419	0.139	/
		Right Cheek	0	40620	2593	50	Mid	0.17	0.078	22.48	24.00	1.419	0.111	/
		Right Tilt	0	40620	2593	50	Mid	0.09	0.089	22.48	24.00	1.419	0.126	/
Body-worn														
Ant.1	QPSK	Front Side	15	40620	2593	1	Low	0.04	0.136	23.48	25.00	1.419	0.193	/
		Back Side	15	40620	2593	1	Low	0.14	0.154	23.48	25.00	1.419	0.219	50#
		Front Side	15	40620	2593	50	Mid	0.11	0.111	22.48	24.00	1.419	0.158	/
		Back Side	15	40620	2593	50	Mid	-0.15	0.140	22.48	24.00	1.419	0.199	/
Hotspot														
Ant.1	QPSK	Front Side	10	40620	2593	1	Low	-0.19	0.258	23.48	25.00	1.419	0.366	/
		Back Side	10	40620	2593	1	Low	0.01	0.370	23.48	25.00	1.419	0.525	51#
		Left Edge	10	40620	2593	1	Low	-0.10	0.012	23.48	25.00	1.419	0.017	/
		Right Edge	10	40620	2593	1	Low	-0.07	0.241	23.48	25.00	1.419	0.342	/
		Bottom Edge	10	40620	2593	1	Low	-0.10	0.283	23.48	25.00	1.419	0.402	/
		Front Side	10	40620	2593	50	Mid	-0.14	0.215	22.48	24.00	1.419	0.305	/
		Back Side	10	40620	2593	50	Mid	-0.19	0.305	22.48	24.00	1.419	0.433	/
		Left Edge	10	40620	2593	50	Mid	-0.08	0.008	22.48	24.00	1.419	0.011	/
		Right Edge	10	40620	2593	50	Mid	0.16	0.252	22.48	24.00	1.419	0.358	/
		Bottom Edge	10	40620	2593	50	Mid	-0.01	0.227	22.48	24.00	1.419	0.322	/

10.18 WIFI 2.4GHz

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	Duty Cycle(%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.2	802.11 b	Left Cheek	0	1	2412	-0.03	0.846	17.70	18.00	1.072	99.32	1.007	0.913	52#
		Left Tilt	0	1	2412	-0.09	0.611	17.70	18.00	1.072	99.32	1.007	0.660	/
		Right Cheek	0	1	2412	-0.1	0.374	17.70	18.00	1.072	99.32	1.007	0.404	/
		Right Tilt	0	1	2412	-0.05	0.156	17.70	18.00	1.072	99.32	1.007	0.168	/
		Left Cheek	0	6	2437	-0.03	0.257	13.75	14.00	1.059	99.32	1.007	0.274	/
		Left Cheek	0	11	2462	0.18	0.754	16.73	17.00	1.064	99.32	1.007	0.808	/
Head-Repeated SAR														
Ant.2	802.11 b	Left Cheek	0	1	2412	-0.01	0.821	17.70	18.00	1.072	99.32	1.007	0.886	/
Body-worn														
Ant.2	802.11 b	Front Side	15	1	2412	0.08	0.095	17.70	18.00	1.072	99.32	1.007	0.103	/
		Back Side	15	1	2412	0.05	0.117	17.70	18.00	1.072	99.32	1.007	0.126	53#
Hotspot														
Ant.2	802.11 b	Front Side	10	1	2412	0.18	0.185	17.70	18.00	1.072	99.32	1.007	0.200	/
		Back Side	10	1	2412	0.06	0.280	17.70	18.00	1.072	99.32	1.007	0.302	54#
		Left Edge	10	1	2412	-0.01	0.230	17.70	18.00	1.072	99.32	1.007	0.248	/
		Top Edge	10	1	2412	-0.13	0.102	17.70	18.00	1.072	99.32	1.007	0.110	/

10.20 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power(dBm)	Max. tune- power(dBm)	Scaling Factor	Duty Cycle(%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.2	DH5	Left Cheek	0	0	2402	0.14	0.109	7.76	8.00	1.057	77.15	1.296	0.149	55#
		Left Tilt	0	0	2402	-0.07	0.068	7.76	8.00	1.057	77.15	1.296	0.093	/
		Right Cheek	0	0	2402	0.00	0.039	7.76	8.00	1.057	77.15	1.296	0.053	/
		Right Tilt	0	0	2402	0.13	0.011	7.76	8.00	1.057	77.15	1.296	0.015	/
Body-worn														
Ant.2	DH5	Front Side	15	0	2402	-0.16	0.008	7.76	8.00	1.057	77.15	1.296	0.011	/
		Back Side	15	0	2402	0.09	0.015	7.76	8.00	1.057	77.15	1.296	0.021	56#
Hotspot														
Ant.2	DH5	Front Side	10	0	2402	-0.17	0.025	7.76	8.00	1.057	77.15	1.296	0.034	/
		Back Side	10	0	2402	0.06	0.040	7.76	8.00	1.057	77.15	1.296	0.055	57#
		Left Edge	10	0	2402	0.14	0.035	7.76	8.00	1.057	77.15	1.296	0.048	/
		Top Edge	10	0	2402	-0.06	0.021	7.76	8.00	1.057	77.15	1.296	0.029	/

11 SAR Measurement Variability

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

SAR repeated measurement procedure:

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

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated ^{1st} Measured SAR (W/kg)	Largest to Smallest SAR Ratio
1852.4	WCDMA band2	Hotspot	Bottom Edge	0.890	Yes	0.867	1.03
1752.6	WCDMA band4	Hotspot	Bottom Edge	0.843	Yes	0.822	1.03
1860	LTE band 2	Hotspot	Bottom Edge	0.969	Yes	0.922	1.05
1745	LTE band 4	Hotspot	Bottom Edge	0.835	Yes	0.811	1.03
1770	LTE band 66	Hotspot	Bottom Edge	0.950	Yes	0.921	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.

12 SIMULTANEOUS TRANSMISSION

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

12.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot
1	WWAN+WIFI2.4G	Yes	Yes	Yes
2	WWAN+BT	Yes	Yes	Yes

1. WiFi 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.

2. When stand-alone SAR is not required for a side of antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.

3. The maximum SAR summation is calculated based on the same configuration and test position.

12.2 Sum SAR of Simultaneous Transmission

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

Band	Position	Stand alone SAR			SUM SAR	
		1	2	3		
		WWAN	2.4GWIFI	Bluetooth	1+2	1+3
GSM850	Left Cheek	0.236	0.913	0.149	1.149	0.385
	Left Tilt	0.139	0.660	0.093	0.799	0.232
	Right Cheek	0.253	0.404	0.053	0.657	0.306
	Right Tilt	0.192	0.168	0.015	0.360	0.207
GSM1900	Left Cheek	0.175	0.913	0.149	1.088	0.324
	Left Tilt	0.076	0.660	0.093	0.736	0.169
	Right Cheek	0.135	0.404	0.053	0.539	0.188
	Right Tilt	0.120	0.168	0.015	0.288	0.135
WCDMA B2	Left Cheek	0.266	0.913	0.149	1.179	0.415
	Left Tilt	0.163	0.660	0.093	0.823	0.256
	Right Cheek	0.215	0.404	0.053	0.619	0.268
	Right Tilt	0.174	0.168	0.015	0.342	0.189
WCDMA B4	Left Cheek	0.084	0.913	0.149	0.997	0.233
	Left Tilt	0.060	0.660	0.093	0.720	0.153
	Right Cheek	0.089	0.404	0.053	0.493	0.142
	Right Tilt	0.062	0.168	0.015	0.230	0.077
WCDMA B5	Left Cheek	0.117	0.913	0.149	1.030	0.266
	Left Tilt	0.069	0.660	0.093	0.729	0.162
	Right Cheek	0.172	0.404	0.053	0.576	0.225
	Right Tilt	0.083	0.168	0.015	0.251	0.098
LTE B2	Left Cheek	0.180	0.913	0.149	1.093	0.329
	Left Tilt	0.142	0.660	0.093	0.802	0.235
	Right Cheek	0.143	0.404	0.053	0.547	0.196
	Right Tilt	0.115	0.168	0.015	0.283	0.130
LTE B4	Left Cheek	0.086	0.913	0.149	0.999	0.235
	Left Tilt	0.070	0.660	0.093	0.730	0.163
	Right Cheek	0.075	0.404	0.053	0.479	0.128
	Right Tilt	0.084	0.168	0.015	0.252	0.099
LTE B5	Left Cheek	0.220	0.913	0.149	1.133	0.369
	Left Tilt	0.124	0.660	0.093	0.784	0.217
	Right Cheek	0.258	0.404	0.053	0.662	0.311
	Right Tilt	0.146	0.168	0.015	0.314	0.161
LTE B7	Left Cheek	0.429	0.913	0.149	1.342	0.578
	Left Tilt	0.254	0.660	0.093	0.914	0.347
	Right Cheek	0.215	0.404	0.053	0.619	0.268
	Right Tilt	0.249	0.168	0.015	0.417	0.264

LTE B12	Left Cheek	0.146	0.913	0.149	1.059	0.295
	Left Tilt	0.082	0.660	0.093	0.742	0.175
	Right Cheek	0.149	0.404	0.053	0.553	0.202
	Right Tilt	0.094	0.168	0.015	0.262	0.109
LTE B17	Left Cheek	0.130	0.913	0.149	1.043	0.279
	Left Tilt	0.066	0.660	0.093	0.726	0.159
	Right Cheek	0.158	0.404	0.053	0.562	0.211
	Right Tilt	0.078	0.168	0.015	0.246	0.093
LTE B18	Left Cheek	0.143	0.913	0.149	1.056	0.292
	Left Tilt	0.075	0.660	0.093	0.735	0.168
	Right Cheek	0.202	0.404	0.053	0.606	0.255
	Right Tilt	0.097	0.168	0.015	0.265	0.112
LTE B19	Left Cheek	0.168	0.913	0.149	1.081	0.317
	Left Tilt	0.102	0.660	0.093	0.762	0.195
	Right Cheek	0.225	0.404	0.053	0.629	0.278
	Right Tilt	0.126	0.168	0.015	0.294	0.141
LTE B26	Left Cheek	0.174	0.913	0.149	1.087	0.323
	Left Tilt	0.101	0.660	0.093	0.761	0.194
	Right Cheek	0.214	0.404	0.053	0.618	0.267
	Right Tilt	0.116	0.168	0.015	0.284	0.131
LTE B66	Left Cheek	0.094	0.913	0.149	1.007	0.243
	Left Tilt	0.057	0.660	0.093	0.717	0.150
	Right Cheek	0.067	0.404	0.053	0.471	0.120
	Right Tilt	0.062	0.168	0.015	0.230	0.077
LTE B38	Left Cheek	0.307	0.913	0.149	1.220	0.456
	Left Tilt	0.166	0.660	0.093	0.826	0.259
	Right Cheek	0.145	0.404	0.053	0.549	0.198
	Right Tilt	0.190	0.168	0.015	0.358	0.205
LTE B40	Left Cheek	0.093	0.913	0.149	1.006	0.242
	Left Tilt	0.071	0.660	0.093	0.731	0.164
	Right Cheek	0.077	0.404	0.053	0.481	0.130
	Right Tilt	0.060	0.168	0.015	0.228	0.075
LTE B41	Left Cheek	0.308	0.913	0.149	1.221	0.457
	Left Tilt	0.156	0.660	0.093	0.816	0.249
	Right Cheek	0.133	0.404	0.053	0.537	0.186
	Right Tilt	0.175	0.168	0.015	0.343	0.190

Note: 1: The highest Summed 1g SAR is 1.342 W/Kg < 1.6 W/Kg, so Simultaneous Transmission SAR test is not required.

12.2.2 Body Worn Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Position	Stand alone SAR			SUM SAR	
		1	2	3	1+2	1+3
		WWAN	2.4GWIFI	Bluetooth		
GSM850	Front Side 15mm	0.181	0.103	0.011	0.284	0.192
	Back Side 15mm	0.239	0.126	0.021	0.365	0.260
GSM1900	Front Side 15mm	0.206	0.103	0.011	0.309	0.217
	Back Side 15mm	0.327	0.126	0.021	0.453	0.348
WCDMA B2	Front Side 15mm	0.211	0.103	0.011	0.314	0.222
	Back Side 15mm	0.355	0.126	0.021	0.481	0.376
WCDMA B4	Front Side 15mm	0.114	0.103	0.011	0.217	0.125
	Back Side 15mm	0.213	0.126	0.021	0.339	0.234
WCDMA B5	Front Side 15mm	0.141	0.103	0.011	0.244	0.152
	Back Side 15mm	0.173	0.126	0.021	0.299	0.194
LTE B2	Front Side 15mm	0.141	0.103	0.011	0.244	0.152
	Back Side 15mm	0.210	0.126	0.021	0.336	0.231
LTE B4	Front Side 15mm	0.078	0.103	0.011	0.181	0.089
	Back Side 15mm	0.151	0.126	0.021	0.277	0.172
LTE B5	Front Side 15mm	0.287	0.103	0.011	0.390	0.298
	Back Side 15mm	0.305	0.126	0.021	0.431	0.326
LTE B7	Front Side 15mm	0.251	0.103	0.011	0.354	0.262
	Back Side 15mm	0.369	0.126	0.021	0.495	0.390
LTE B12	Front Side 15mm	0.211	0.103	0.011	0.314	0.222
	Back Side 15mm	0.311	0.126	0.021	0.437	0.332
LTE B17	Front Side 15mm	0.209	0.103	0.011	0.312	0.220
	Back Side 15mm	0.315	0.126	0.021	0.441	0.336
LTE B18	Front Side 15mm	0.209	0.103	0.011	0.312	0.220
	Back Side 15mm	0.238	0.126	0.021	0.364	0.259
LTE B19	Front Side 15mm	0.258	0.103	0.011	0.361	0.269
	Back Side 15mm	0.296	0.126	0.021	0.422	0.317
LTE B26	Front Side 15mm	0.218	0.103	0.011	0.321	0.229
	Back Side 15mm	0.283	0.126	0.021	0.409	0.304
LTE B66	Front Side 15mm	0.080	0.103	0.011	0.183	0.091
	Back Side 15mm	0.138	0.126	0.021	0.264	0.159
LTE B38	Front Side 15mm	0.188	0.103	0.011	0.291	0.199
	Back Side 15mm	0.235	0.126	0.021	0.361	0.256
LTE B40	Front Side 15mm	0.072	0.103	0.011	0.175	0.083
	Back Side 15mm	0.095	0.126	0.021	0.221	0.116
LTE B41	Front Side 15mm	0.193	0.103	0.011	0.296	0.204
	Back Side 15mm	0.219	0.126	0.021	0.345	0.240

Note: 1: The highest Summed 1g SAR is 0.495 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.3 Hotspot Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Position	Stand alone SAR			SUM SAR	
		1	2	3	1+2	1+3
		WWAN	2.4GWIFI	Bluetooth		
GSM850	Front Side 10mm	0.206	0.200	0.034	0.406	0.240
	Back Side 10mm	0.405	0.302	0.055	0.707	0.460
	Left Edge 10mm	0.223	0.248	0.048	0.471	0.271
	Right Edge 10mm	0.107	0.000	0.000	0.107	0.107
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	0.231	0.000	0.000	0.231	0.231
GSM1900	Front Side 10mm	0.336	0.200	0.034	0.536	0.370
	Back Side 10mm	0.570	0.302	0.055	0.872	0.625
	Left Edge 10mm	0.083	0.248	0.048	0.331	0.131
	Right Edge 10mm	0.194	0.000	0.000	0.194	0.194
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	0.749	0.000	0.000	0.749	0.749
WCDMA B2	Front Side 10mm	0.485	0.200	0.034	0.685	0.519
	Back Side 10mm	0.774	0.302	0.055	1.076	0.829
	Left Edge 10mm	0.148	0.248	0.048	0.396	0.196
	Right Edge 10mm	0.308	0.000	0.000	0.308	0.308
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	1.184	0.000	0.000	1.184	1.184
WCDMA B4	Front Side 10mm	0.354	0.200	0.034	0.554	0.388
	Back Side 10mm	0.716	0.302	0.055	1.018	0.771
	Left Edge 10mm	0.078	0.248	0.048	0.326	0.126
	Right Edge 10mm	0.215	0.000	0.000	0.215	0.215
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	1.174	0.000	0.000	1.174	1.174
WCDMA B5	Front Side 10mm	0.252	0.200	0.034	0.452	0.286
	Back Side 10mm	0.361	0.302	0.055	0.663	0.416
	Left Edge 10mm	0.305	0.248	0.048	0.553	0.353
	Right Edge 10mm	0.173	0.000	0.000	0.173	0.173
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	0.321	0.000	0.000	0.321	0.321
LTE B2	Front Side 10mm	0.435	0.200	0.034	0.635	0.469
	Back Side 10mm	0.671	0.302	0.055	0.973	0.726
	Left Edge 10mm	0.110	0.248	0.048	0.358	0.158
	Right Edge 10mm	0.307	0.000	0.000	0.307	0.307
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029

	Bottom Edge 10mm	1.184	0.000	0.000	1.184	1.184
LTE B4	Front Side 10mm	0.372	0.200	0.034	0.572	0.406
	Back Side 10mm	0.725	0.302	0.055	1.027	0.780
	Left Edge 10mm	0.092	0.248	0.048	0.340	0.140
	Right Edge 10mm	0.292	0.000	0.000	0.292	0.292
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	1.158	0.000	0.000	1.158	1.158
LTE B5	Front Side 10mm	0.225	0.200	0.034	0.425	0.259
	Back Side 10mm	0.406	0.302	0.055	0.708	0.461
	Left Edge 10mm	0.268	0.248	0.048	0.516	0.316
	Right Edge 10mm	0.137	0.000	0.000	0.137	0.137
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	0.267	0.000	0.000	0.267	0.267
LTE B7	Front Side 10mm	0.633	0.200	0.034	0.833	0.667
	Back Side 10mm	1.040	0.302	0.055	1.342	1.095
	Left Edge 10mm	0.018	0.248	0.048	0.266	0.066
	Right Edge 10mm	0.671	0.000	0.000	0.671	0.671
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	0.635	0.000	0.000	0.635	0.635
LTE B12	Front Side 10mm	0.202	0.200	0.034	0.402	0.236
	Back Side 10mm	0.319	0.302	0.055	0.621	0.374
	Left Edge 10mm	0.246	0.248	0.048	0.494	0.294
	Right Edge 10mm	0.191	0.000	0.000	0.191	0.191
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	0.143	0.000	0.000	0.143	0.143
LTE B17	Front Side 10mm	0.201	0.200	0.034	0.401	0.235
	Back Side 10mm	0.340	0.302	0.055	0.642	0.395
	Left Edge 10mm	0.255	0.248	0.048	0.503	0.303
	Right Edge 10mm	0.201	0.000	0.000	0.201	0.201
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	0.148	0.000	0.000	0.148	0.148
LTE B18	Front Side 10mm	0.246	0.200	0.034	0.446	0.280
	Back Side 10mm	0.407	0.302	0.055	0.709	0.462
	Left Edge 10mm	0.262	0.248	0.048	0.510	0.310
	Right Edge 10mm	0.157	0.000	0.000	0.157	0.157
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	0.292	0.000	0.000	0.292	0.292
LTE B19	Front Side 10mm	0.296	0.200	0.034	0.496	0.330
	Back Side 10mm	0.493	0.302	0.055	0.795	0.548
	Left Edge 10mm	0.304	0.248	0.048	0.552	0.352
	Right Edge 10mm	0.147	0.000	0.000	0.147	0.147
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	0.334	0.000	0.000	0.334	0.334

LTE B26	Front Side 10mm	0.289	0.200	0.034	0.489	0.323
	Back Side 10mm	0.600	0.302	0.055	0.902	0.655
	Left Edge 10mm	0.326	0.248	0.048	0.574	0.374
	Right Edge 10mm	0.177	0.000	0.000	0.177	0.177
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	0.350	0.000	0.000	0.350	0.350
LTE B66	Front Side 10mm	0.371	0.200	0.034	0.571	0.405
	Back Side 10mm	0.683	0.302	0.055	0.985	0.738
	Left Edge 10mm	0.102	0.248	0.048	0.350	0.150
	Right Edge 10mm	0.258	0.000	0.000	0.258	0.258
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	1.166	0.000	0.000	1.166	1.166
LTE B38	Front Side 10mm	0.401	0.200	0.034	0.601	0.435
	Back Side 10mm	0.557	0.302	0.055	0.859	0.612
	Left Edge 10mm	0.077	0.248	0.048	0.325	0.125
	Right Edge 10mm	0.467	0.000	0.000	0.467	0.467
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	0.492	0.000	0.000	0.492	0.492
LTE B40	Front Side 10mm	0.196	0.200	0.034	0.396	0.230
	Back Side 10mm	0.297	0.302	0.055	0.599	0.352
	Left Edge 10mm	0.114	0.248	0.048	0.362	0.162
	Right Edge 10mm	0.220	0.000	0.000	0.220	0.220
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	0.458	0.000	0.000	0.458	0.458
LTE B41	Front Side 10mm	0.366	0.200	0.034	0.566	0.400
	Back Side 10mm	0.525	0.302	0.055	0.827	0.580
	Left Edge 10mm	0.017	0.248	0.048	0.265	0.065
	Right Edge 10mm	0.358	0.000	0.000	0.358	0.358
	Top Edge 10mm	0.000	0.110	0.029	0.110	0.029
	Bottom Edge 10mm	0.402	0.000	0.000	0.402	0.402
Note: 1: The highest Summed 1g SAR is 1.342 W/Kg < 1.6 W/Kg, so Simultaneous Transmission SAR test is not required.						

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1208	2024/08/19	2027/08/18
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2024/05/08	2027/05/07
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2024/05/08	2027/05/07
1950MHz Validation Dipole	Speag	D1950V3	SN: 1240	2024/08/22	2027/08/21
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2024/05/07	2027/05/06
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2024/05/08	2027/05/07
Data Acquisition Electronics	Speag	DAE4	SN: 1711	2024/03/18	2025/03/17
E-Field Probe	Speag	EX3DV4	SN: 7510	2024/06/25	2025/06/24
Signal Generator	R&S	SMB100A	177746	2024/04/24	2025/04/23
Power Meter	R&S	NRVD-B2	835843/014	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z4	100381	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z2	100211	2024/08/08	2025/08/07
Wireless Communication Test Set	Anritsu	MT8820C	6201144551	2024/05/14	2025/05/13
Network Analyzer	Agilent	E5071C	MY46103472	2024/09/11	2025/09/10
Thermometer	Elitech	RC-4HC	EF7216002985	2024/10/31	2025/10/30
Thermometer	Elitech	RC-4HC	EF720B004811	2024/10/31	2025/10/30
Power Amplifier	Mini-Circuits	ZVA-183W-S+	932502132	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 1576	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A
Note: For dipole antennas, BALUN has adopted 3 years as calibration intervals, and on annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria: 1. There is no physical damage on the dipole; 2. System validation with specific dipole is within 10% of calibrated value; 3. Return-loss in within 20% of calibrated measurement. 4. Impedance (real or imaginary parts) in within 5 Ohms of calibrated measurement.					

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

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

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ϵ)	Target Conductivity (σ) (S/m)	Target Permittivity (ϵ)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2025.02.27	Head	750	21.5	0.92	41.59	0.89	41.94	3.37	-0.83
2025.02.28	Head	835	21.3	0.91	40.97	0.90	41.50	1.11	-1.28
2025.03.01	Head	835	21.6	0.91	41.48	0.90	41.50	1.11	-0.05
2025.03.02	Head	1750	21.3	1.41	39.31	1.37	40.08	2.92	-1.92
2025.03.03	Head	1950	21.4	1.44	38.68	1.40	40.00	2.86	-3.30
2025.03.04	Head	2450	21.2	1.82	38.66	1.80	39.20	1.11	-1.38
2025.03.06	Head	2600	21.3	2.02	37.71	1.96	39.01	3.06	-3.33
2025.03.07	Head	2600	21.4	1.99	38.60	1.96	39.01	1.53	-1.05

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 (%)
2025.02.27	Head	750	100	0.84	8.44	8.46	-0.24
2025.02.28	Head	835	100	0.94	9.44	9.74	-3.08
2025.03.01	Head	835	100	1.03	10.30	9.74	5.75
2025.03.02	Head	1750	100	3.53	35.30	37.00	-4.59
2025.03.03	Head	1950	100	4.23	42.30	41.70	1.44
2025.03.04	Head	2450	100	5.25	52.50	52.60	-0.19
2025.03.06	Head	2600	100	5.33	53.30	55.90	-4.65
2025.03.07	Head	2600	100	5.82	58.20	55.90	4.11

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

System Performance Check Data (750MHz)

Date: 2025.02.27

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

Medium parameters used: $f = 750$ MHz; $\sigma = 0.923$ S/m; $\epsilon_r = 41.585$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

CW750/Area Scan (61x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.941 W/kg

CW750/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 34.69 V/m; Power Drift = -0.03 dB

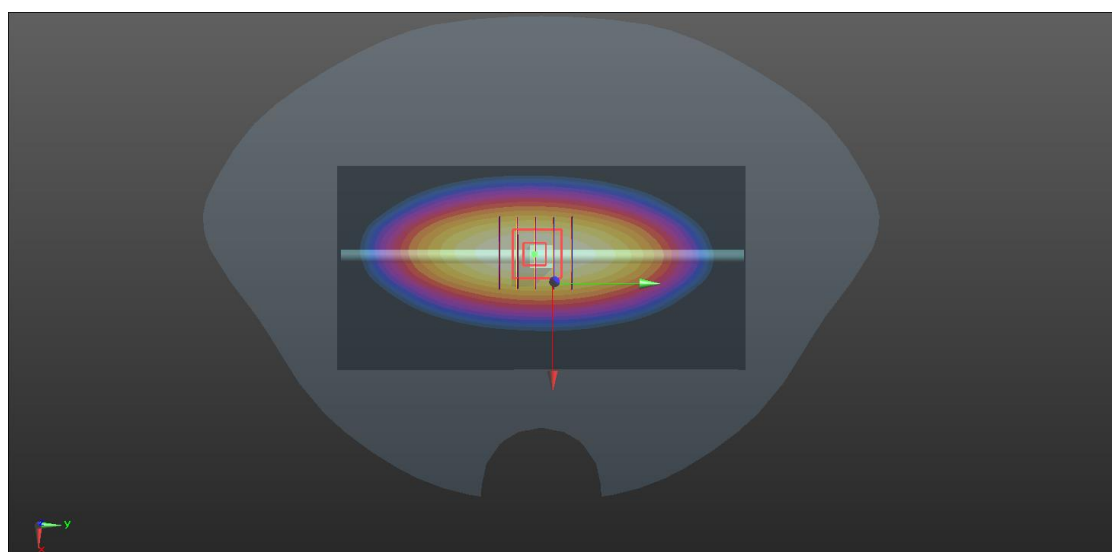
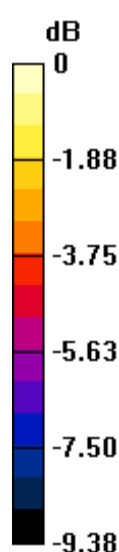
Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.844 W/kg; SAR(10 g) = 0.571 W/kg

Smallest distance from peaks to all points 3 dB below = 19.2 mm

Ratio of SAR at M2 to SAR at M1 = 69.1%

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



0 dB = 0.906 W/kg

System Performance Check Data (835MHz)

Date: 2025.02.28

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

Medium parameters used (interpolated): $f = 835$ MHz; $\sigma = 0.908$ S/m; $\epsilon_r = 40.969$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

CW835/Area Scan (61x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

CW835/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 35.20 V/m; Power Drift = -0.16 dB

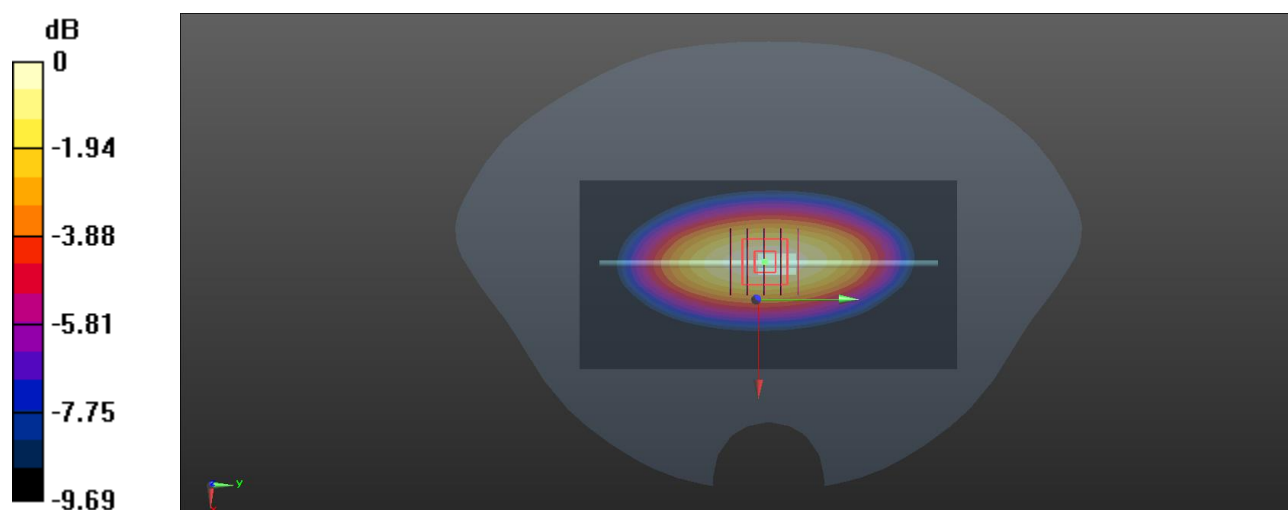
Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.944 W/kg; SAR(10 g) = 0.632 W/kg

Smallest distance from peaks to all points 3 dB below = 20.3 mm

Ratio of SAR at M2 to SAR at M1 = 69.3%

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



0 dB = 0.983 W/kg

System Performance Check Data (835MHz)

Date: 2025.03.01

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

Medium parameters used (interpolated): $f = 835$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 41.479$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.6°C

DASY5 Configuration:

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

CW835/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

CW835/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.36 V/m; Power Drift = -0.12 dB

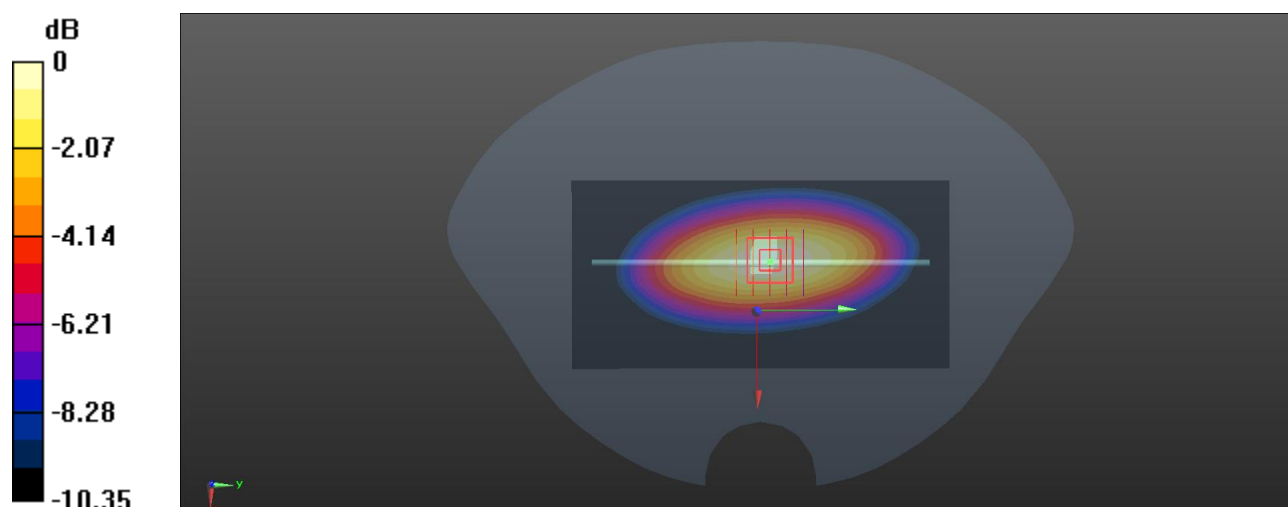
Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.661 W/kg

Smallest distance from peaks to all points 3 dB below = 16.3 mm

Ratio of SAR at M2 to SAR at M1 = 68%

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



0 dB = 1.10 W/kg

System Performance Check Data (1750MHz)

Date: 2025.03.02

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.406$ S/m; $\epsilon_r = 39.31$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

CW1750/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.30 W/kg

CW1750/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.69 V/m; Power Drift = -0.13 dB

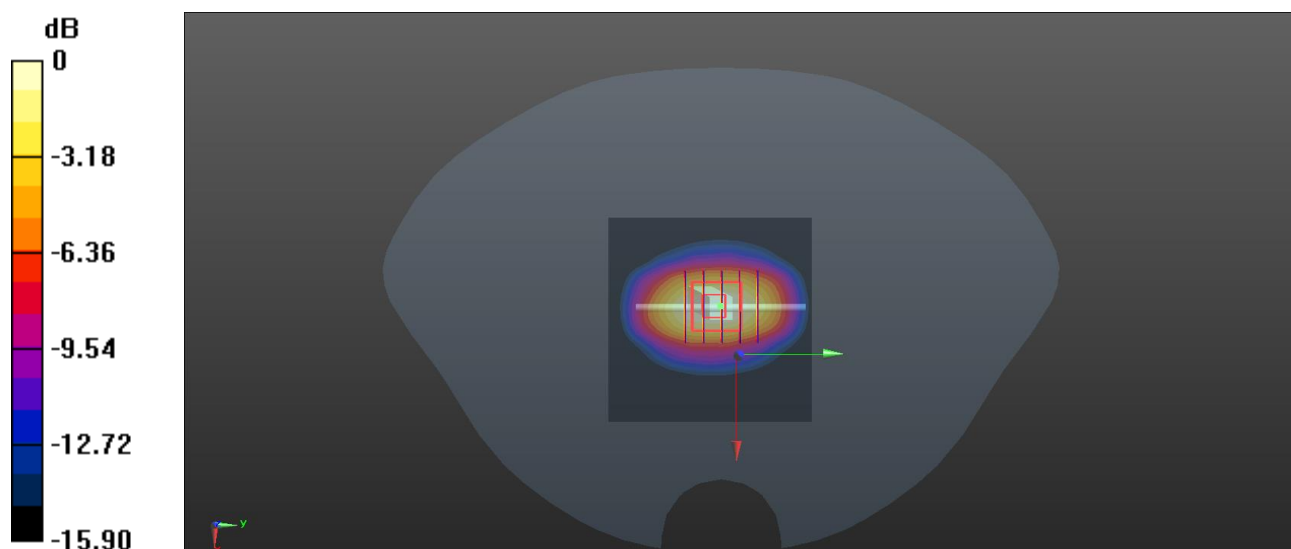
Peak SAR (extrapolated) = 6.15 W/kg

SAR(1 g) = 3.53 W/kg; SAR(10 g) = 1.92 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 59.2%

Maximum value of SAR (measured) = 3.92 W/kg



0 dB = 3.92 W/kg

System Performance Check Data (1950MHz)

Date: 2025.03.03

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

Medium parameters used: $f = 1950$ MHz; $\sigma = 1.444$ S/m; $\epsilon_r = 38.68$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.4°C

DASY5 Configuration:

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

CW1950/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 5.38 W/kg

CW1950/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 61.74 V/m; Power Drift = -0.05 dB

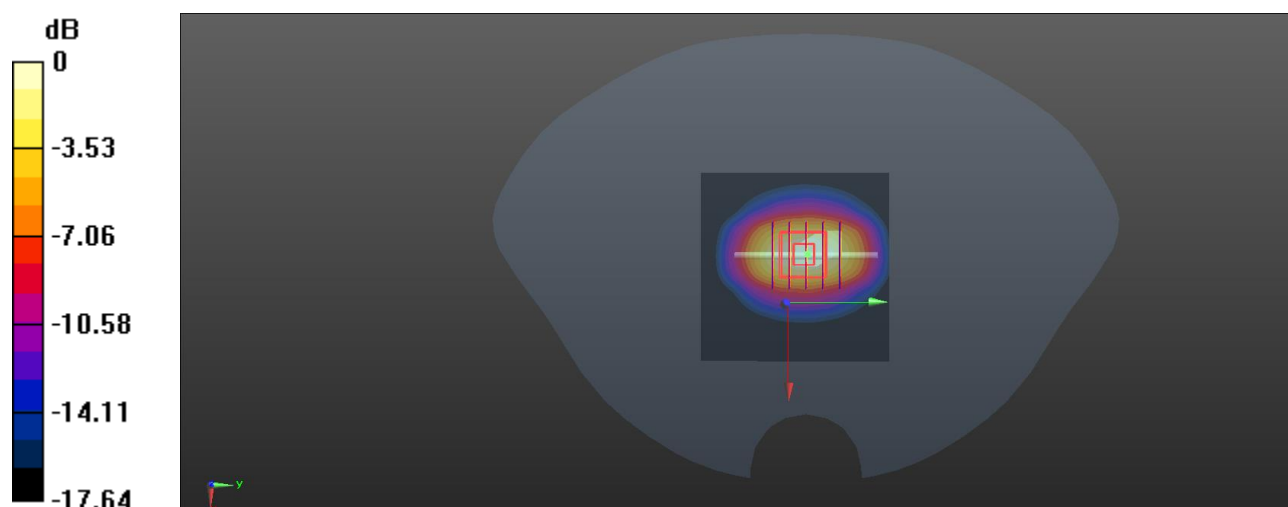
Peak SAR (extrapolated) = 7.81 W/kg

SAR(1 g) = 4.23 W/kg; SAR(10 g) = 2.21 W/kg

Smallest distance from peaks to all points 3 dB below = 11.3 mm

Ratio of SAR at M2 to SAR at M1 = 55.6%

Maximum value of SAR (measured) = 4.79 W/kg



0 dB = 4.79 W/kg

System Performance Check Data (2450MHz)

Date: 2025.03.04

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

Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.823$ S/m; $\epsilon_r = 38.664$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

CW2450/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.25 W/kg

CW2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.11 V/m; Power Drift = -0.13 dB

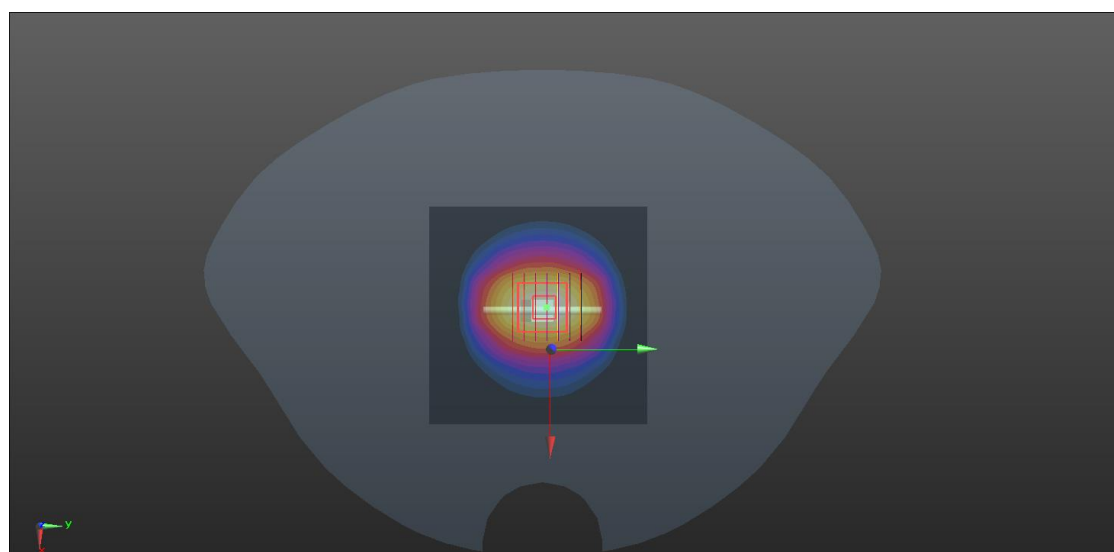
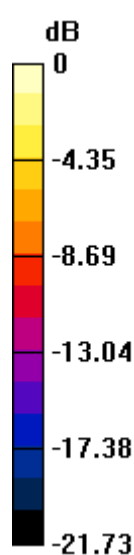
Peak SAR (extrapolated) = 10.9 W/kg

SAR(1 g) = 5.25 W/kg; SAR(10 g) = 2.47 W/kg

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 50.8%.

Maximum value of SAR (measured) = 6.02 W/kg



0 dB = 6.02 W/kg

System Performance Check Data (2600MHz)

Date: 2025.03.06

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.024$ S/m; $\epsilon_r = 37.71$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

CW2600/Area Scan (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 6.33 W/kg

CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 56.07 V/m; Power Drift = -0.07 dB

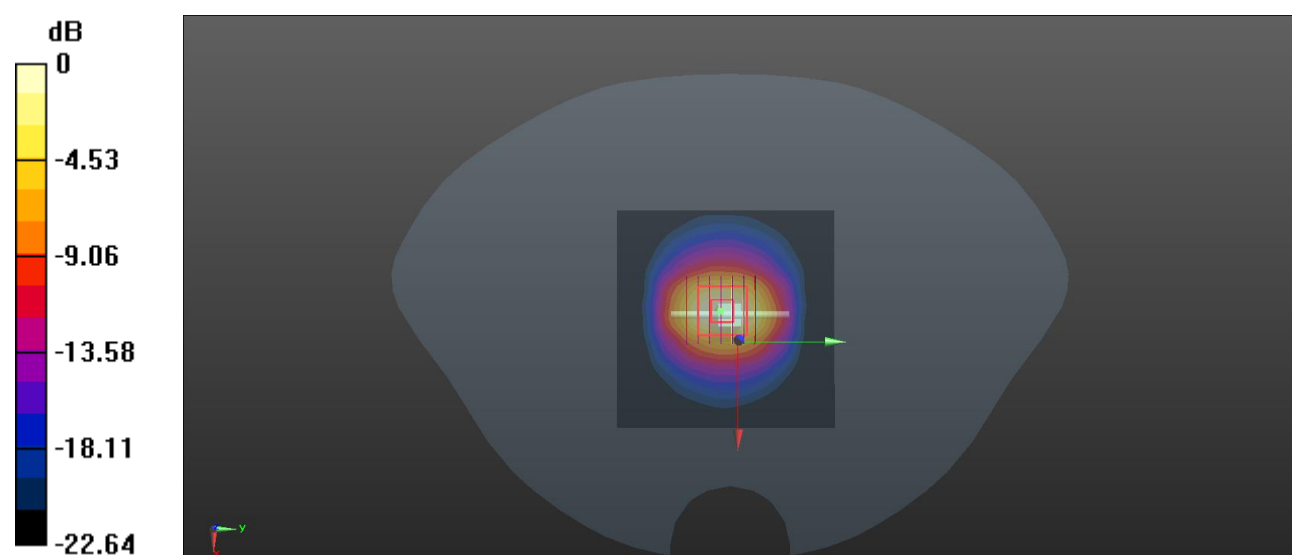
Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.33 W/kg; SAR(10 g) = 2.38 W/kg

Smallest distance from peaks to all points 3 dB below = 9.5 mm

Ratio of SAR at M2 to SAR at M1 = 48.7%

Maximum value of SAR (measured) = 6.14 W/kg



0 dB = 6.14 W/kg

System Performance Check Data (2600MHz)

Date: 2025.03.07

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.993$ S/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

CW2600/Area Scan (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 6.41 W/kg

CW2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 56.07 V/m; Power Drift = -0.04 dB

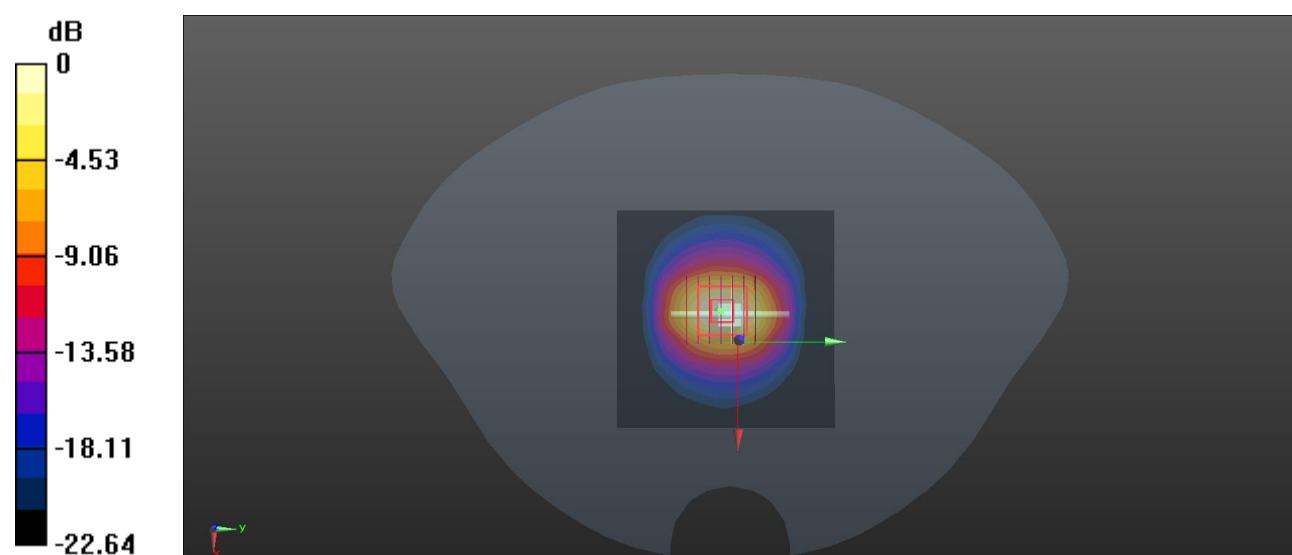
Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.82 W/kg; SAR(10 g) = 2.56 W/kg

Smallest distance from peaks to all points 3 dB below = 9.5 mm

Ratio of SAR at M2 to SAR at M1 = 48.7%

Maximum value of SAR (measured) = 6.42 W/kg



0 dB = 6.02 W/kg

ANNEX C TEST DATA

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

Date: 2025.02.28

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

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 41.67$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.197 W/kg

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

Reference Value = 2.699 V/m; Power Drift = 0.03 dB

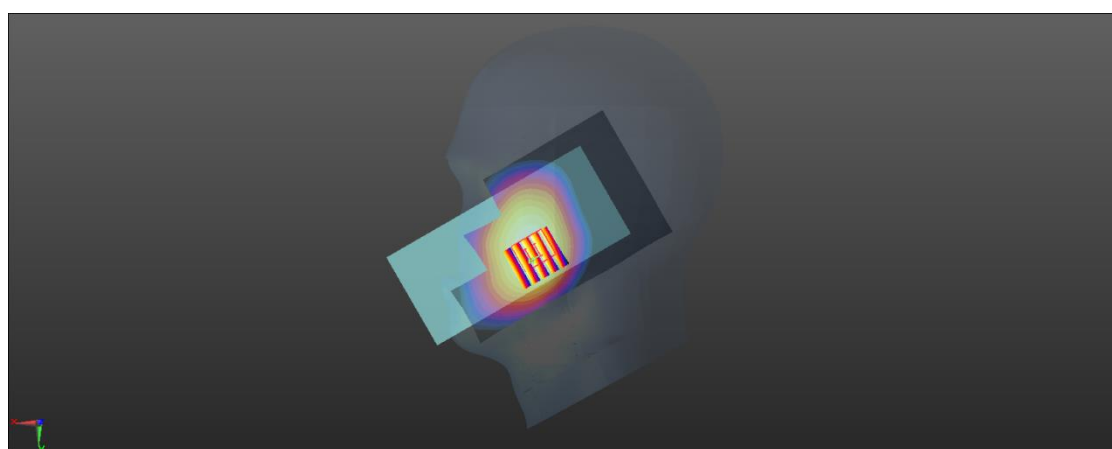
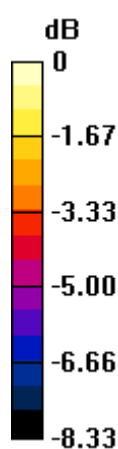
Peak SAR (extrapolated) = 0.226 W/kg

SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.148 W/kg

Smallest distance from peaks to all points 3 dB below = 21.6 mm

Ratio of SAR at M2 to SAR at M1 = 82.3%

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



0 dB = 0.190 W/kg

Meas.2 Body Plane with Back Side 15mm on Low Channel in GPRS850 2Slots mode with Antenna 1

Date: 2025.02.28

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

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 41.67$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch128/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 11.67 V/m; Power Drift = 0.05 dB

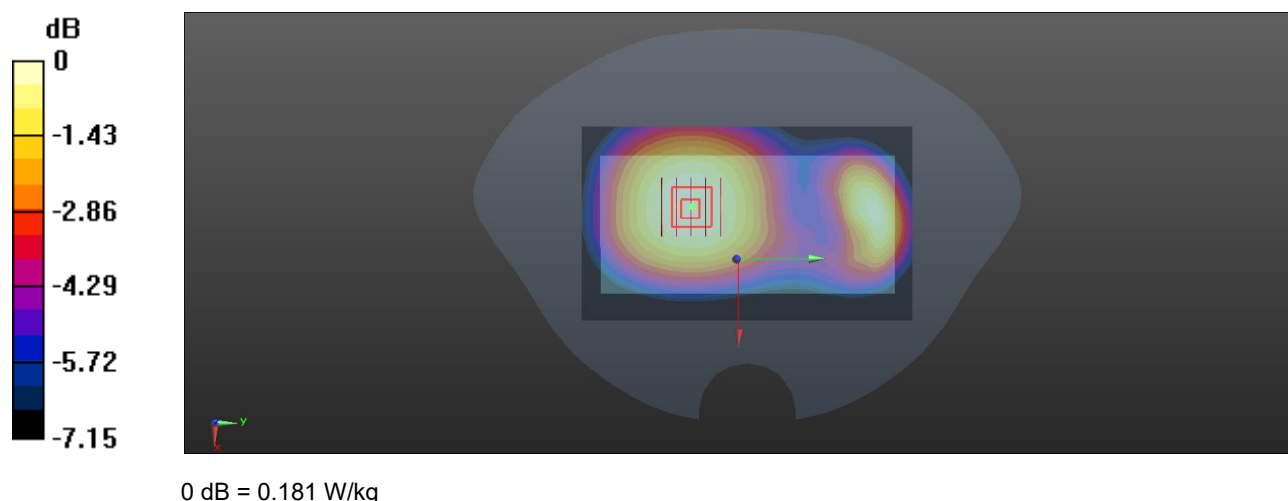
Peak SAR (extrapolated) = 0.211 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.136 W/kg

Smallest distance from peaks to all points 3 dB below = 22.1 mm

Ratio of SAR at M2 to SAR at M1 = 81.4%

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



Meas.3 Body Plane with Back Side 10mm on Low Channel in GPRS850 2Slots mode with Antenna 1

Date: 2025.02.28

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

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 41.67$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch128/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 13.33 V/m; Power Drift = -0.01 dB

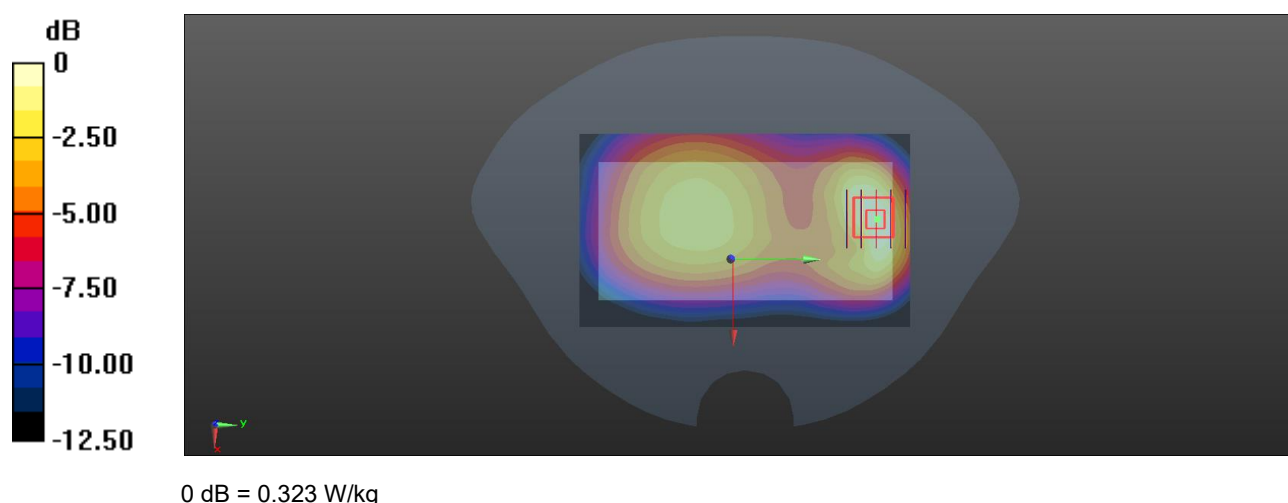
Peak SAR (extrapolated) = 0.499 W/kg

SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.176 W/kg

Smallest distance from peaks to all points 3 dB below = 14.8 mm

Ratio of SAR at M2 to SAR at M1 = 61%

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



Meas.4 Left Head with Cheek on Low Channel in GPRS1900 3Slots mode with Antenna 1

Date: 2025.03.03

Communication System Band: GPRS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.77

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.36$ S/m; $\epsilon_r = 40.512$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.4°C

DASY5 Configuration:

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

Ch512/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.135 W/kg

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

Reference Value = 4.473 V/m; Power Drift = 0.04 dB

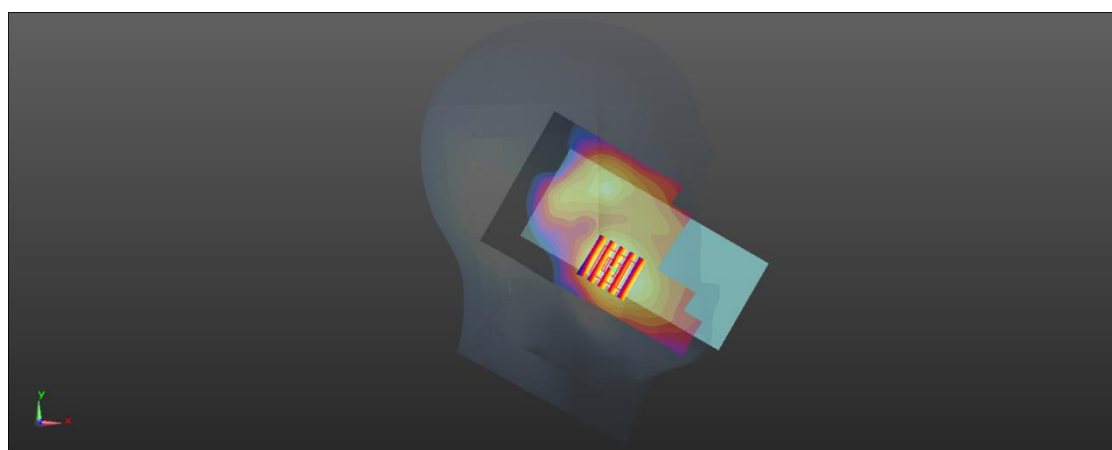
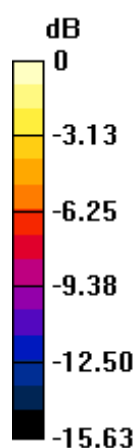
Peak SAR (extrapolated) = 0.180 W/kg

SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.080 W/kg

Smallest distance from peaks to all points 3 dB below = 15.9 mm

Ratio of SAR at M2 to SAR at M1 = 67.4%

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



0 dB = 0.128 W/kg

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

Date: 2025.03.03

Communication System Band: GPRS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.77

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.36$ S/m; $\epsilon_r = 40.512$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.4°C

DASY5 Configuration:

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

Ch512/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.241 W/kg

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

Reference Value = 8.138 V/m; Power Drift = 0.02 dB

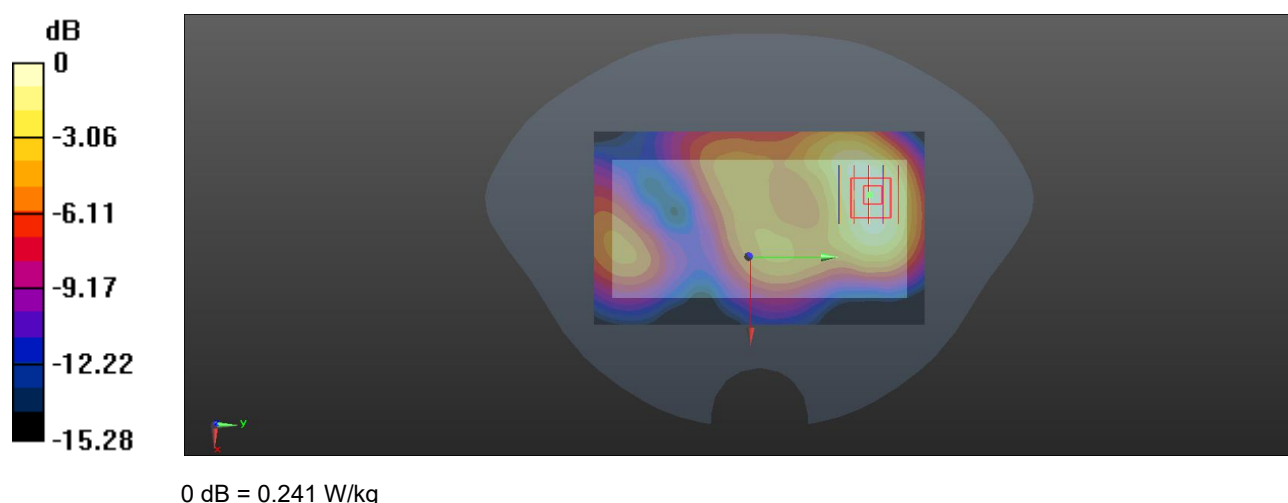
Peak SAR (extrapolated) = 0.335 W/kg

SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.142 W/kg

Smallest distance from peaks to all points 3 dB below = 19.3 mm

Ratio of SAR at M2 to SAR at M1 = 66.6%

Maximum value of SAR (measured) = 0.241 W/kg



Meas.6 Body Plane with Bottom Edge 10mm on Low Channel in GPRS1900 3Slots mode with Antenna 1

Date: 2025.03.03

Communication System Band: GPRS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.77

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.36$ S/m; $\epsilon_r = 40.512$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.4°C

DASY5 Configuration:

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

Ch512/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.585 W/kg

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

Reference Value = 18.49 V/m; Power Drift = 0.02 dB

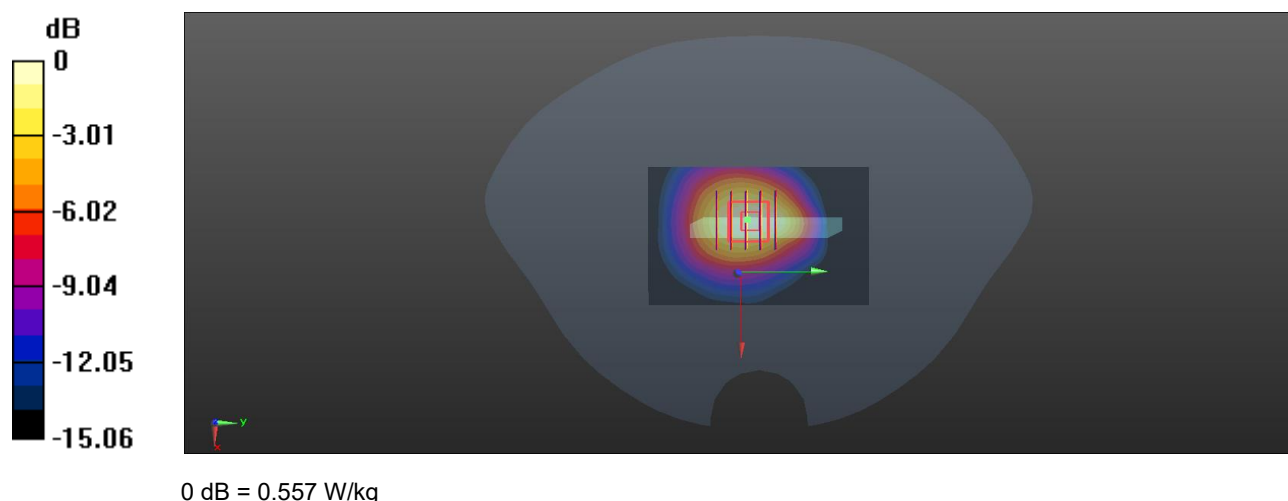
Peak SAR (extrapolated) = 0.812 W/kg

SAR(1 g) = 0.512 W/kg; SAR(10 g) = 0.304 W/kg

Smallest distance from peaks to all points 3 dB below = 13.7 mm

Ratio of SAR at M2 to SAR at M1 = 64.1%

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



Meas.7 Left Head with Cheek on Middle Channel in WCDMA Band2 mode with Antenna 1

Date: 2025.03.03

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.385$ S/m; $\epsilon_r = 39.792$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.4℃ Liquid Temperature:21.4℃

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.223 W/kg

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

Reference Value = 4.586 V/m; Power Drift = -0.09 dB

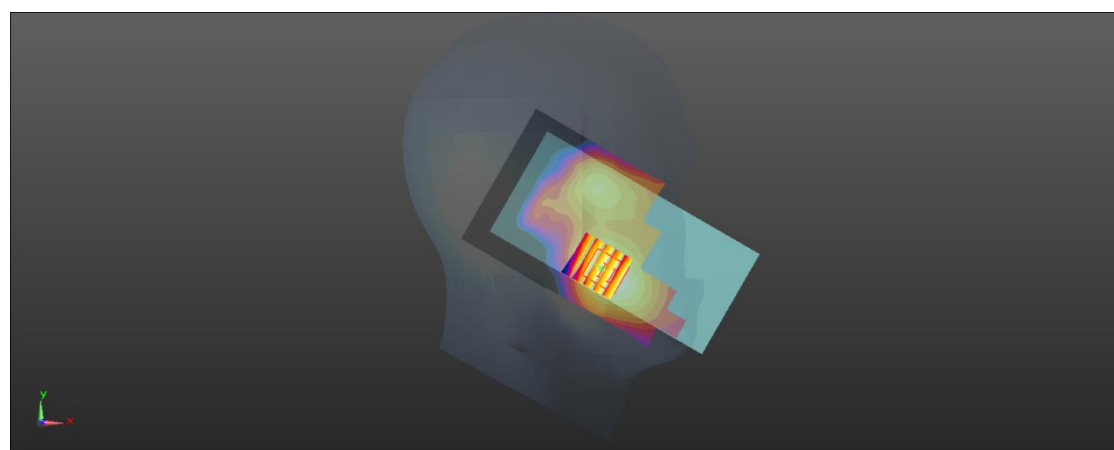
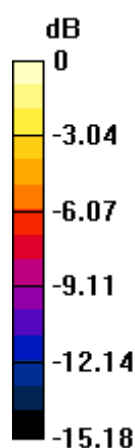
Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.147 W/kg

Smallest distance from peaks to all points 3 dB below = 15.9 mm

Ratio of SAR at M2 to SAR at M1 = 78.5%

Maximum value of SAR (measured) = 0.212 W/kg



0 dB = 0.212 W/kg

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

Date: 2025.03.03

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.385$ S/m; $\epsilon_r = 39.792$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.4℃

DASY5 Configuration:

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

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

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

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

Reference Value = 8.877 V/m; Power Drift = 0.07 dB

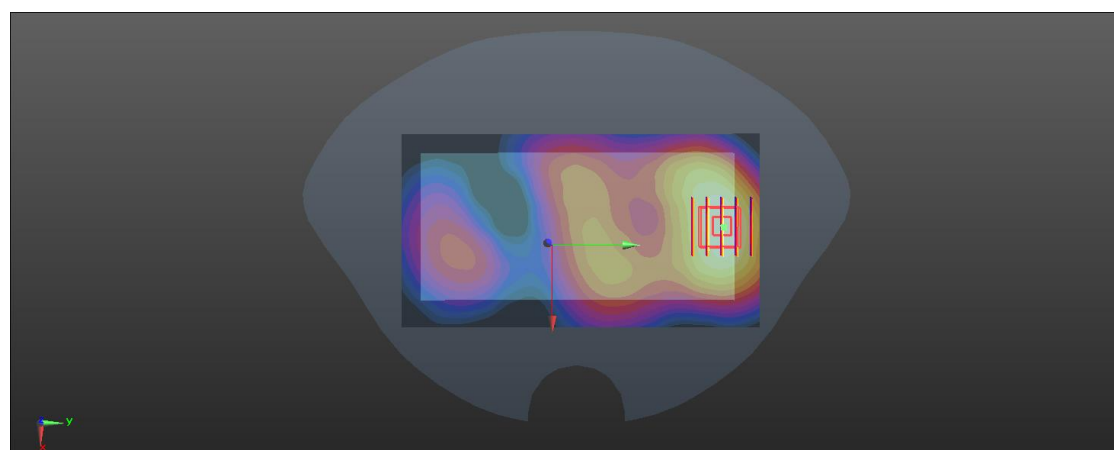
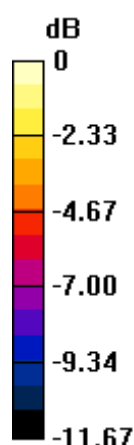
Peak SAR (extrapolated) = 0.374 W/kg

SAR(1 g) = 0.269 W/kg; SAR(10 g) = 0.189 W/kg

Smallest distance from peaks to all points 3 dB below = 21.8 mm

Ratio of SAR at M2 to SAR at M1 = 74.4%

Maximum value of SAR (measured) = 0.286 W/kg



0 dB = 0.286 W/kg

Meas.9 Body Plane with Bottom Edge 10mm on Low Channel in WCDMA Band2 mode with Antenna 1

Date: 2025.03.03

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

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.368$ S/m; $\epsilon_r = 40.444$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.4℃

DASY5 Configuration:

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

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

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

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

Reference Value = 23.77 V/m; Power Drift = 0.15 dB

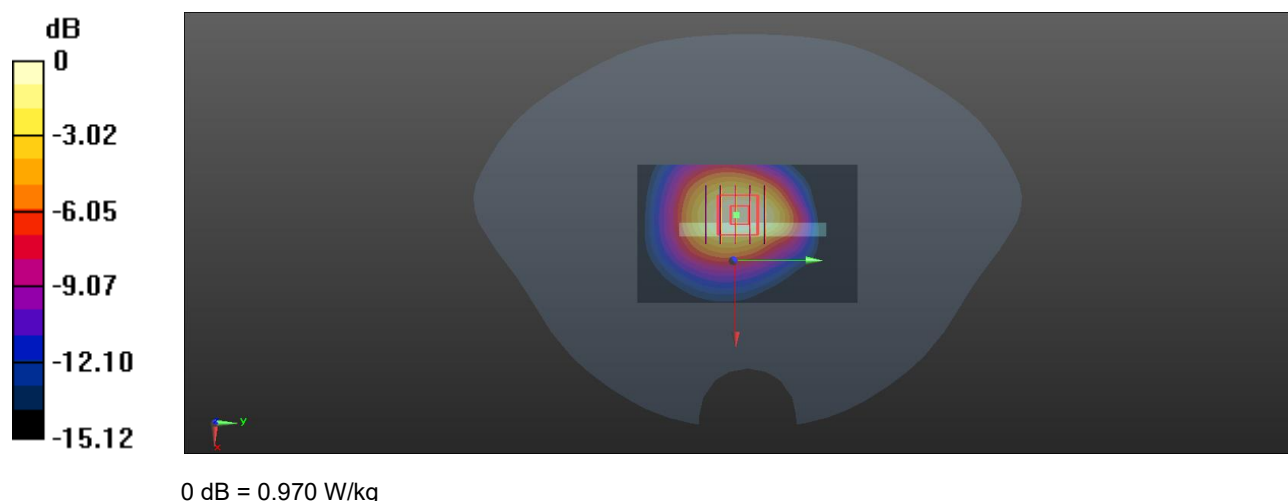
Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.890 W/kg; SAR(10 g) = 0.530 W/kg

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 64.1%

Maximum value of SAR (measured) = 0.970 W/kg



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

Date: 2025.03.02

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

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.374$ S/m; $\epsilon_r = 39.82$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.2℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.0730 W/kg

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

Reference Value = 2.905 V/m; Power Drift = 0.03 dB

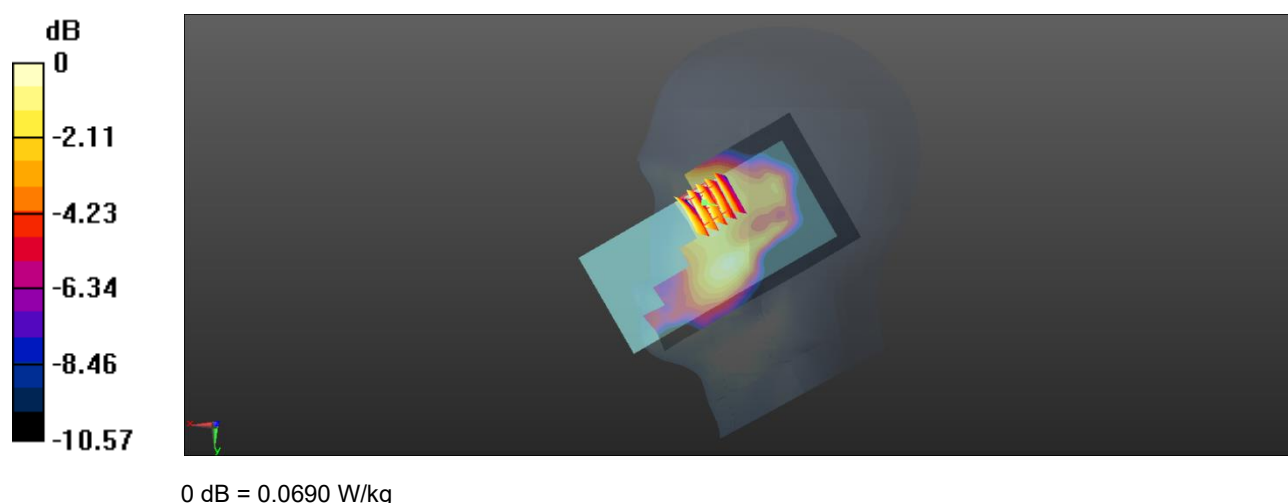
Peak SAR (extrapolated) = 0.0850 W/kg

SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.049 W/kg

Smallest distance from peaks to all points 3 dB below = 15.1 mm

Ratio of SAR at M2 to SAR at M1 = 79.6%

Maximum value of SAR (measured) = 0.0690 W/kg



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

Date: 2025.03.02

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

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.374$ S/m; $\epsilon_r = 39.82$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

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

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

Reference Value = 5.345 V/m; Power Drift = -0.10 dB

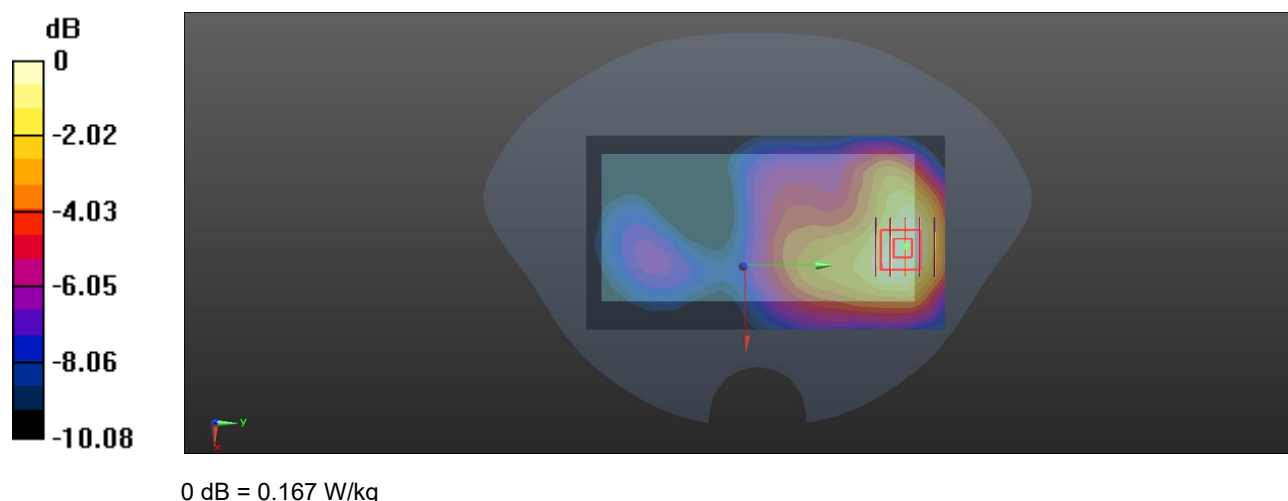
Peak SAR (extrapolated) = 0.190 W/kg

SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.111 W/kg

Smallest distance from peaks to all points 3 dB below = 22.7 mm

Ratio of SAR at M2 to SAR at M1 = 76.9%

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



Meas.12 Body Plane with Bottom Edge 10mm on High Channel in WCDMA Band4 mode with Antenna 1

Date: 2025.03.02

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

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.407$ S/m; $\epsilon_r = 38.781$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.2℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.946 W/kg

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

Reference Value = 21.74 V/m; Power Drift = 0.05 dB

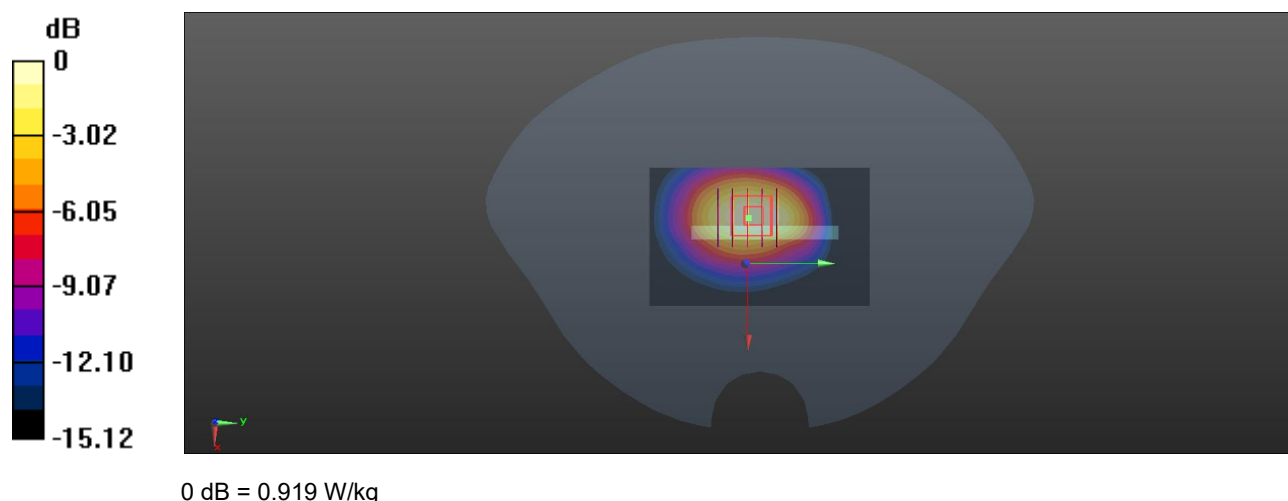
Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.843 W/kg; SAR(10 g) = 0.503 W/kg

Smallest distance from peaks to all points 3 dB below = 12.8 mm

Ratio of SAR at M2 to SAR at M1 = 65.7%

Maximum value of SAR (measured) = 0.919 W/kg



Meas.13 Right Head with Cheek on Middle Channel in WCDMA Band5 mode with Antenna 1

Date: 2025.02.28

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 40.917$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

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

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

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

Reference Value = 0.8750 V/m; Power Drift = 0.04 dB

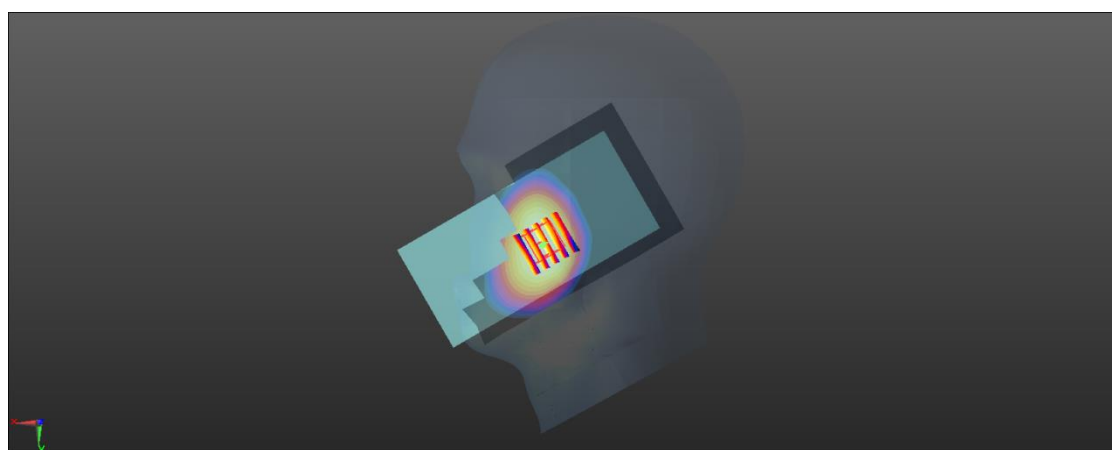
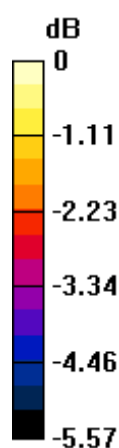
Peak SAR (extrapolated) = 0.134 W/kg

SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.094 W/kg

Smallest distance from peaks to all points 3 dB below = 22.9 mm

Ratio of SAR at M2 to SAR at M1 = 89.6%

Maximum value of SAR (measured) = 0.116 W/kg



0 dB = 0.116 W/kg

Meas.14 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band5 mode with Antenna 1

Date: 2025.02.28

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 40.917$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.115 W/kg

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

Reference Value = 10.93 V/m; Power Drift = 0.05 dB

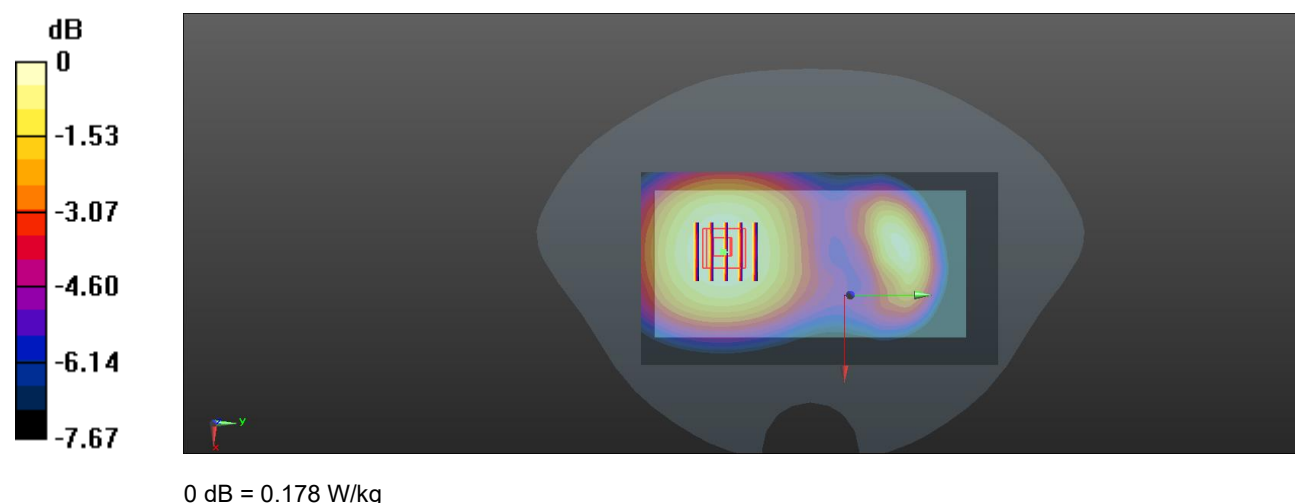
Peak SAR (extrapolated) = 0.130 W/kg

SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.075 W/kg

Smallest distance from peaks to all points 3 dB below = 17.6 mm

Ratio of SAR at M2 to SAR at M1 = 85.6%

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



Meas.15 Body Plane with Back Side 10mm on Middle Channel in WCDMA Band5 mode with Antenna 1

Date: 2025.02.28

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

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 40.917$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

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

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

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

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

Reference Value = 16.41 V/m; Power Drift = -0.14 dB

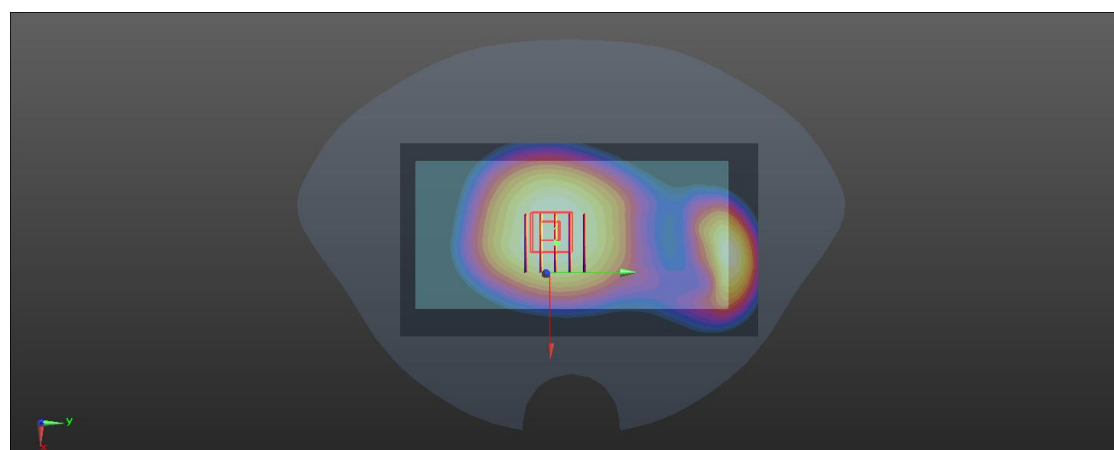
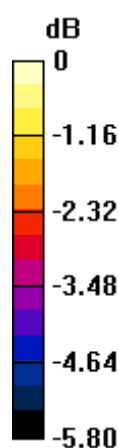
Peak SAR (extrapolated) = 0.245 W/kg

SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.194 W/kg

Smallest distance from peaks to all points 3 dB below = 18.4 mm

Ratio of SAR at M2 to SAR at M1 = 90.3%

Maximum value of SAR (measured) = 0.242 W/kg



0 dB = 0.242 W/kg

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

Date: 2025.03.03

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.399$ S/m; $\epsilon_r = 39.292$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.4°C

DASY5 Configuration:

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

Ch19100/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 4.652 V/m; Power Drift = 0.13 dB

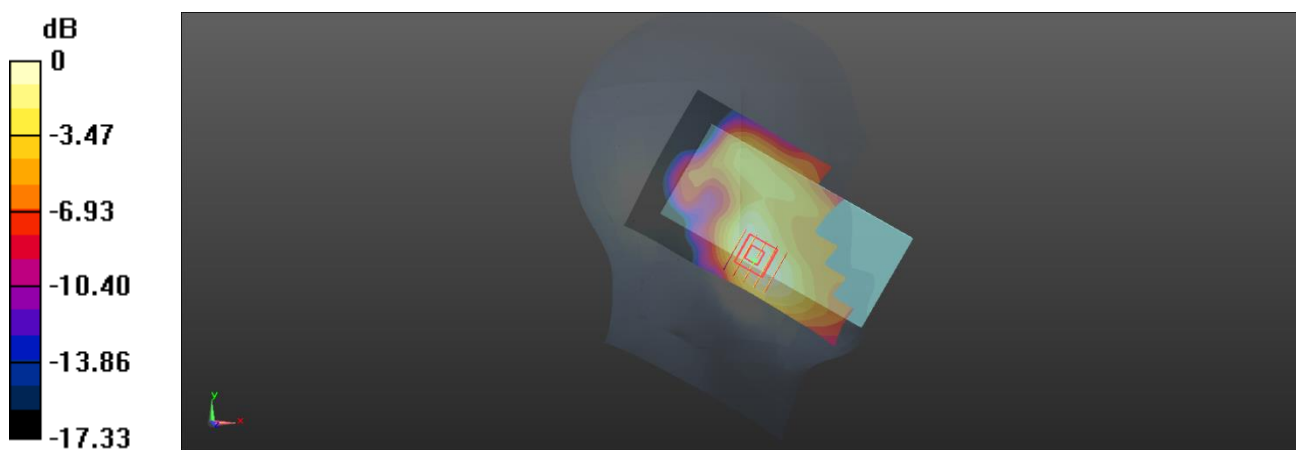
Peak SAR (extrapolated) = 0.211 W/kg

SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.100 W/kg

Smallest distance from peaks to all points 3 dB below = 16 mm

Ratio of SAR at M2 to SAR at M1 = 70.1%

Maximum value of SAR (measured) = 0.157 W/kg



0 dB = 0.157 W/kg

Meas.17 Body Plane with Back Side 10mm on High Channel in LTE Band2 mode with Antenna 1

Date: 2025.03.03

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.399$ S/m; $\epsilon_r = 39.292$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.4°C

DASY5 Configuration:

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

Ch19100/Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 7.073 V/m; Power Drift = 0.08 dB

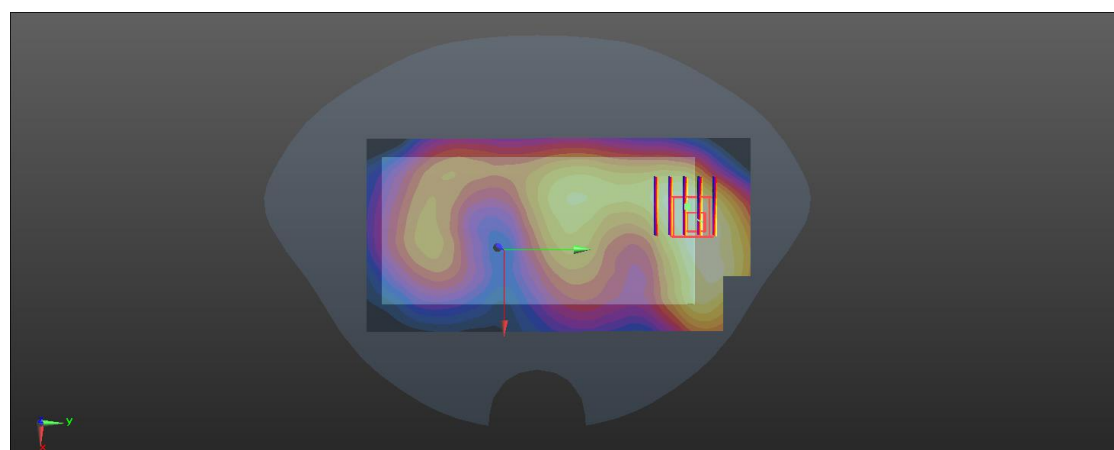
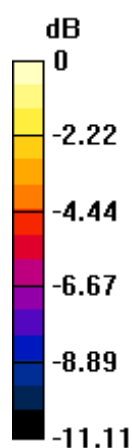
Peak SAR (extrapolated) = 0.284 W/kg

SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.117 W/kg

Smallest distance from peaks to all points 3 dB below = 20.9 mm

Ratio of SAR at M2 to SAR at M1 = 69.4%

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



0 dB = 0.179 W/kg

Meas.18 Body Plane with Bottom Edge 10mm on Low Channel in LTE Band2 mode with Antenna 1

Date: 2025.03.03

Communication System Band: Band 2; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 40.428$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.4°C

DASY5 Configuration:

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

Ch18700/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.13 W/kg

Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.15 V/m; Power Drift = 0.06 dB

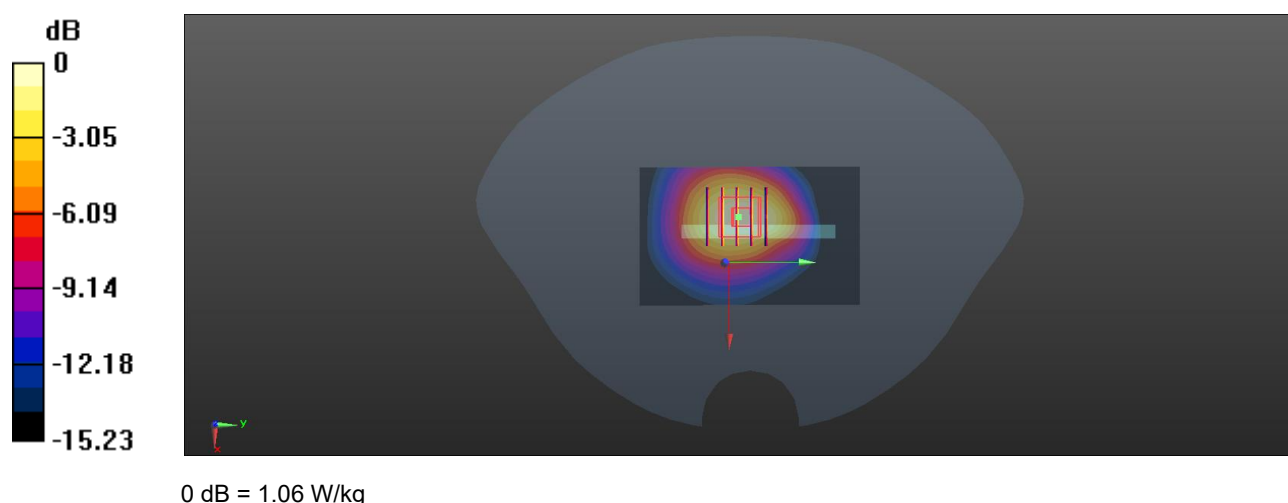
Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.969 W/kg; SAR(10 g) = 0.577 W/kg

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 64.1%

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



Meas.19 Left Head with Cheek on Middle Channel in LTE Band4 mode with Antenna 1

Date: 2025.03.02

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.388$ S/m; $\epsilon_r = 39.698$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

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

Ch20175/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0833 W/kg

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

Reference Value = 2.841 V/m; Power Drift = 0.12 dB

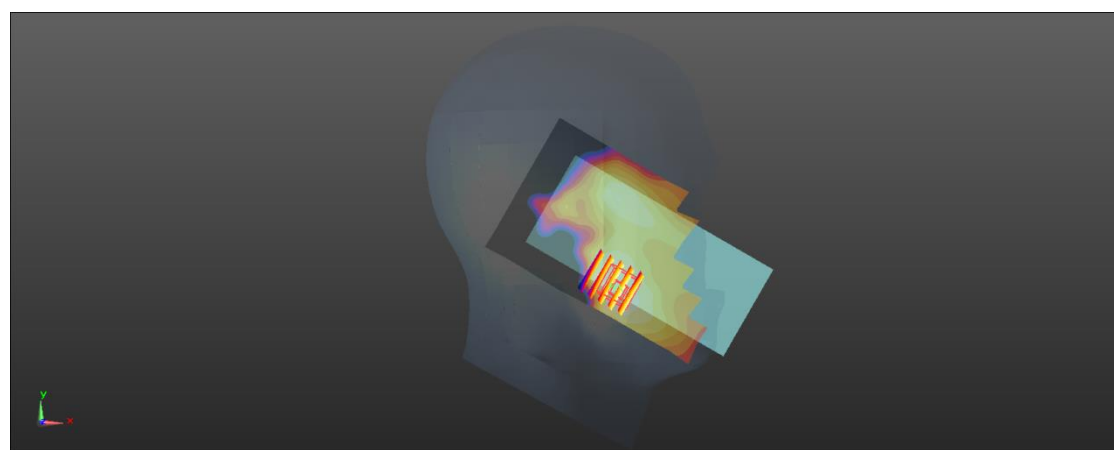
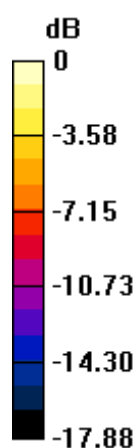
Peak SAR (extrapolated) = 0.0870 W/kg

SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.044 W/kg

Smallest distance from peaks to all points 3 dB below = 16.2 mm

Ratio of SAR at M2 to SAR at M1 = 73.1%

Maximum value of SAR (measured) = 0.0663 W/kg



0 dB = 0.0663 W/kg

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

Date: 2025.03.02

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.388$ S/m; $\epsilon_r = 39.698$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

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

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

Reference Value = 4.546 V/m; Power Drift = 0.02 dB

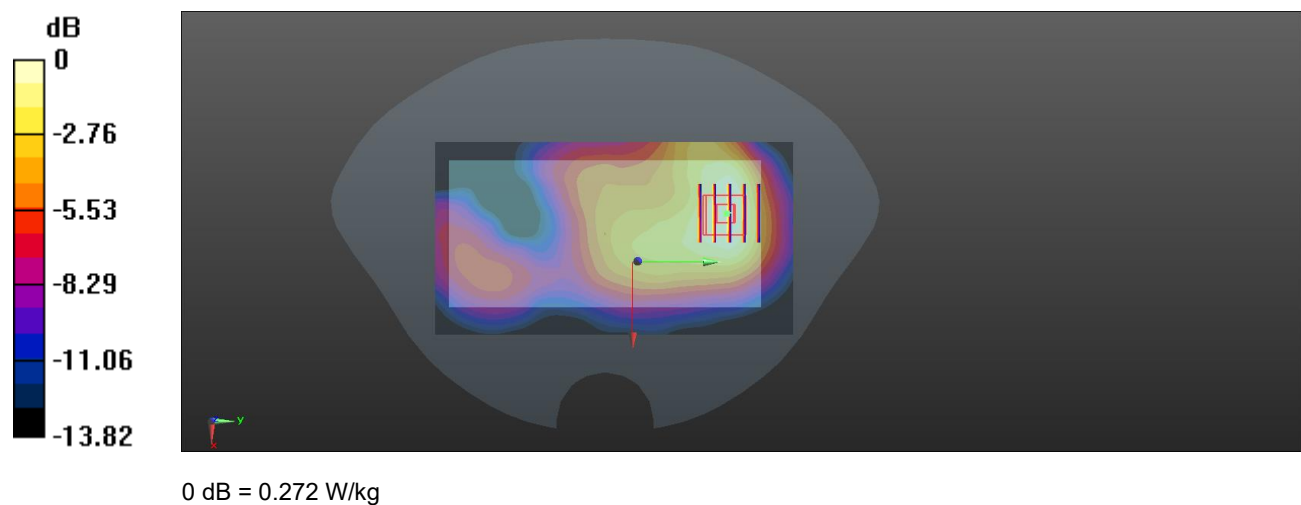
Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.083 W/kg

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 76.7%

Maximum value of SAR (measured) = 0.113 W/kg



Meas.21 Body Plane with Bottom Edge 10mm on High Channel in LTE Band4 mode with Antenna 1

Date: 2025.03.02

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

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 39.502$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch20300/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.965 W/kg

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

Reference Value = 22.10 V/m; Power Drift = 0.02 dB

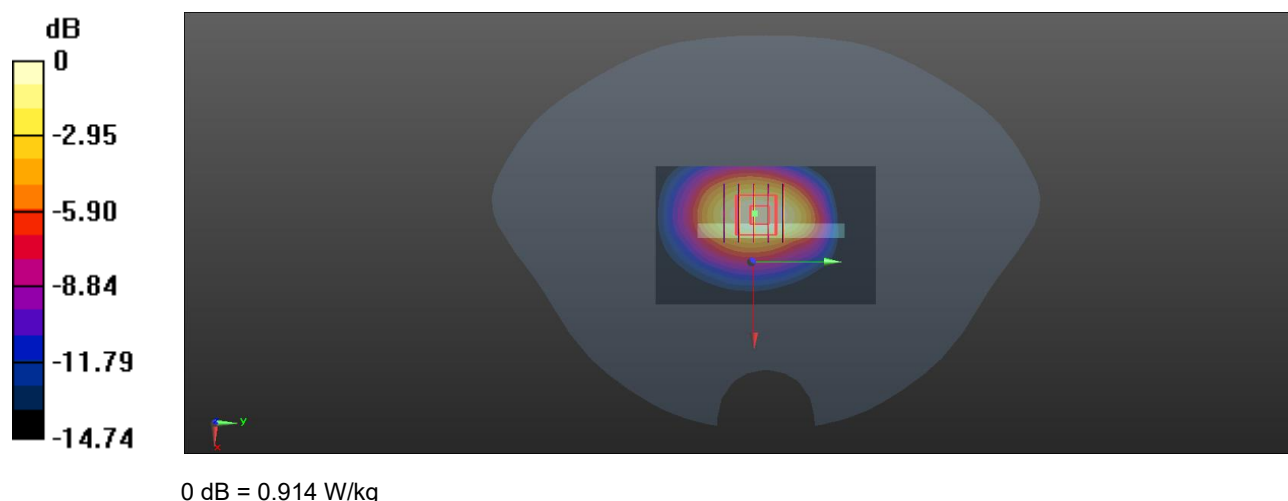
Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.835 W/kg; SAR(10 g) = 0.500 W/kg

Smallest distance from peaks to all points 3 dB below = 12.8 mm

Ratio of SAR at M2 to SAR at M1 = 65.8%

Maximum value of SAR (measured) = 0.914 W/kg



Meas.22 Right Head with Cheek on Middle Channel in LTE Band5 mode with Antenna 1

Date: 2025.02.28

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

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.923$ S/m; $\epsilon_r = 40.487$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

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

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

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

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

Reference Value = 2.807 V/m; Power Drift = 0.08 dB

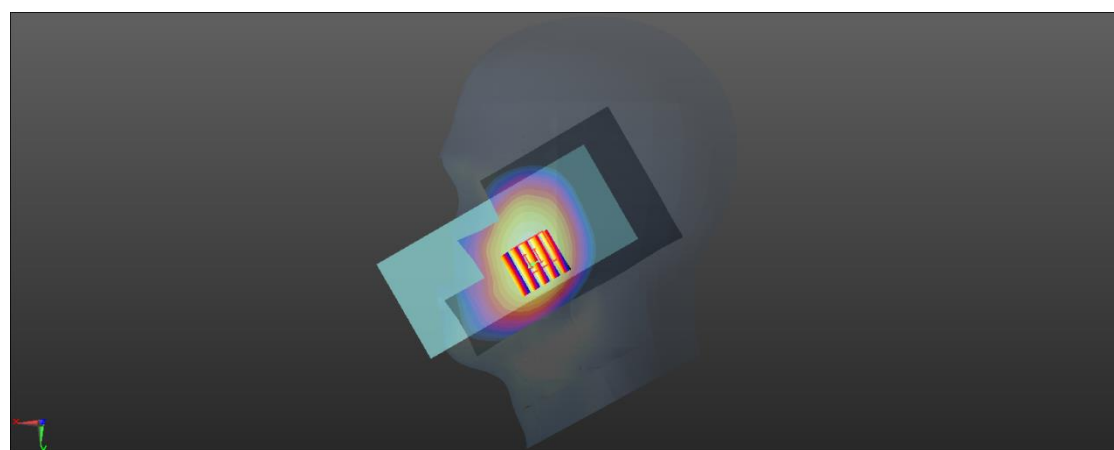
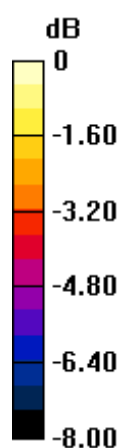
Peak SAR (extrapolated) = 0.219 W/kg

SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.142 W/kg

Smallest distance from peaks to all points 3 dB below = 22.1 mm

Ratio of SAR at M2 to SAR at M1 = 81.7%

Maximum value of SAR (measured) = 0.183 W/kg



0 dB = 0.183 W/kg

Meas.23 Body Plane with Back Side 15mm on Middle Channel in LTE Band5 mode with Antenna 1

Date: 2025.02.28

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

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.923$ S/m; $\epsilon_r = 40.487$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.225 W/kg

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

Reference Value = 15.32 V/m; Power Drift = 0.08 dB

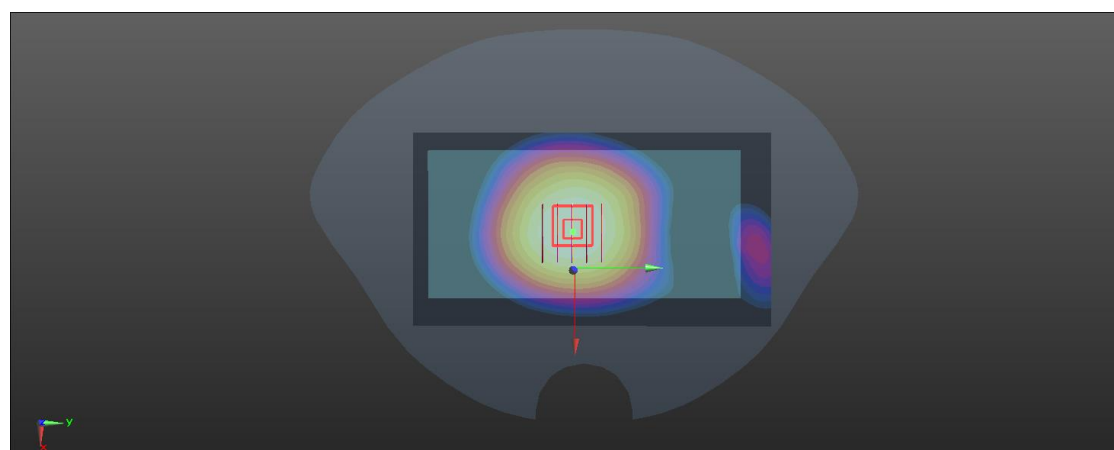
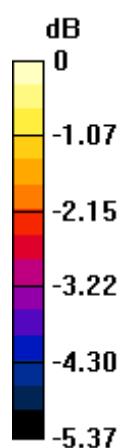
Peak SAR (extrapolated) = 0.219 W/kg

SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.173 W/kg

Smallest distance from peaks to all points 3 dB below = 18.5 mm

Ratio of SAR at M2 to SAR at M1 = 89.2%

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



0 dB = 0.218 W/kg

Meas.24 Body Plane with Back Side 10mm on Middle Channel in LTE Band5 mode with Antenna 1

Date: 2025.02.28

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

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.923$ S/m; $\epsilon_r = 40.487$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.299 W/kg

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

Reference Value = 17.70 V/m; Power Drift = 0.05 dB

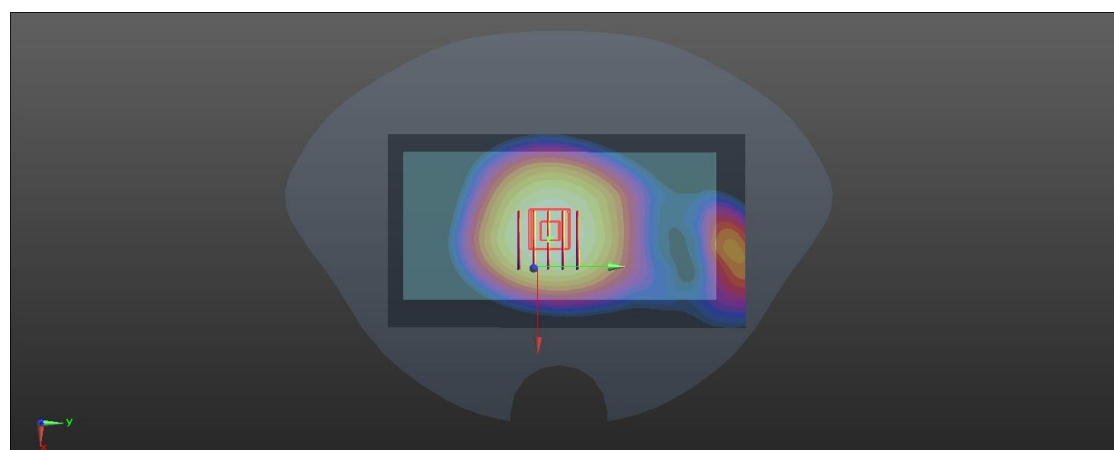
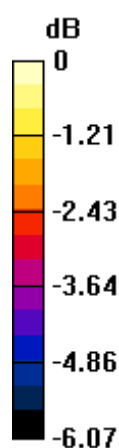
Peak SAR (extrapolated) = 0.291 W/kg

SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.231 W/kg

Smallest distance from peaks to all points 3 dB below = 18.3 mm

Ratio of SAR at M2 to SAR at M1 = 88.9%

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



0 dB = 0.289 W/kg

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

Date: 2025.03.06

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.923$ S/m; $\epsilon_r = 38.561$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

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

Ch21100/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

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

Reference Value = 4.253 V/m; Power Drift = 0.04 dB

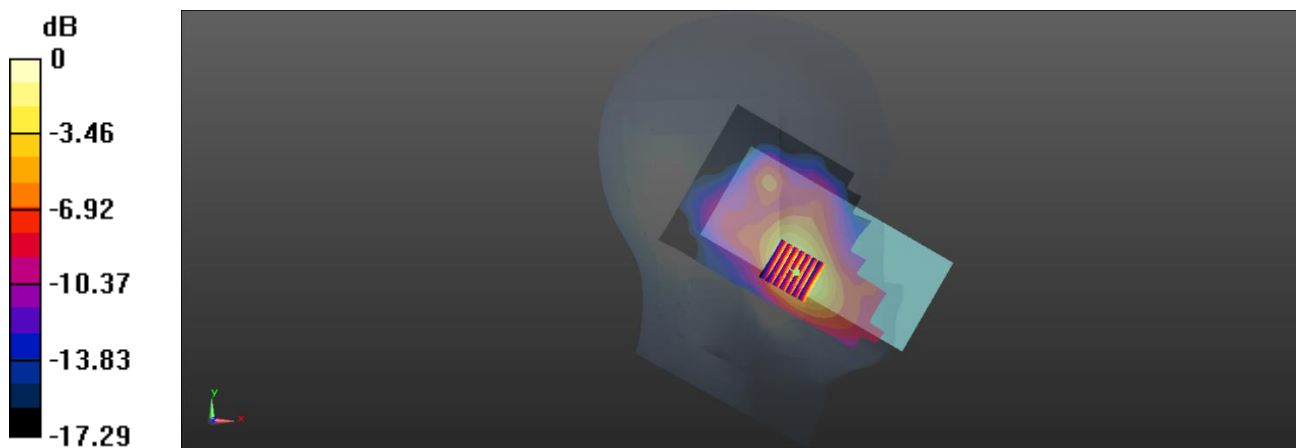
Peak SAR (extrapolated) = 0.499 W/kg

SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.161 W/kg

Smallest distance from peaks to all points 3 dB below = 13 mm

Ratio of SAR at M2 to SAR at M1 = 57.8%

Maximum value of SAR (measured) = 0.391 W/kg



0 dB = 0.391 W/kg

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

Date: 2025.03.06

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.923$ S/m; $\epsilon_r = 38.561$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch21100/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.269 W/kg

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

Reference Value = 2.944 V/m; Power Drift = 0.06 dB

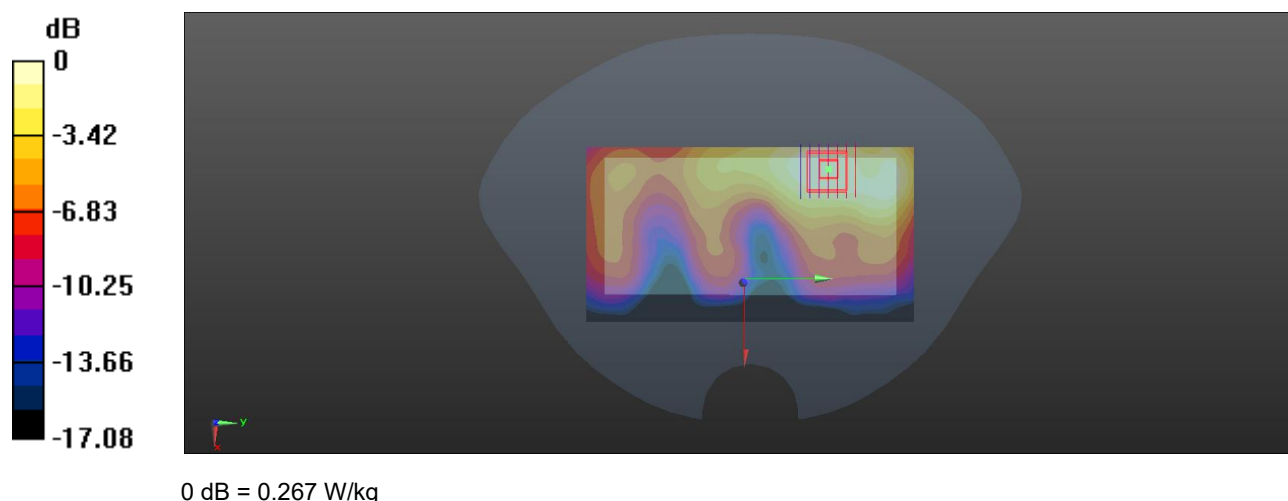
Peak SAR (extrapolated) = 0.418 W/kg

SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.146 W/kg

Smallest distance from peaks to all points 3 dB below = 19.8 mm

Ratio of SAR at M2 to SAR at M1 = 58.4%

Maximum value of SAR (measured) = 0.267 W/kg



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

Date: 2025.03.06

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

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.923$ S/m; $\epsilon_r = 38.561$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch21100/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.852 W/kg

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

Reference Value = 5.460 V/m; Power Drift = 0.07 dB

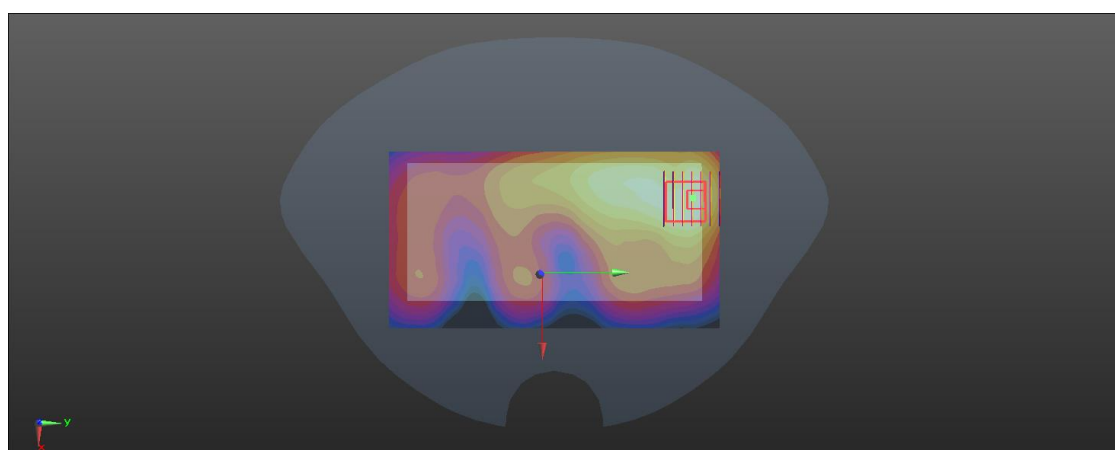
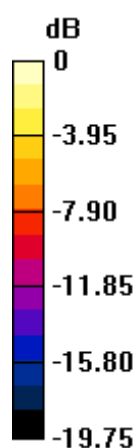
Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.693 W/kg; SAR(10 g) = 0.361 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 52%

Maximum value of SAR (measured) = 0.765 W/kg



0 dB = 0.765 W/kg

Meas.28 Right Head with Cheek on Middle Channel in LTE Band12 mode with Antenna 1

Date: 2025.02.27

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

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.859$ S/m; $\epsilon_r = 42.15$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

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

Ch23095/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.104 W/kg

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

Reference Value = 2.624 V/m; Power Drift = 0.18 dB

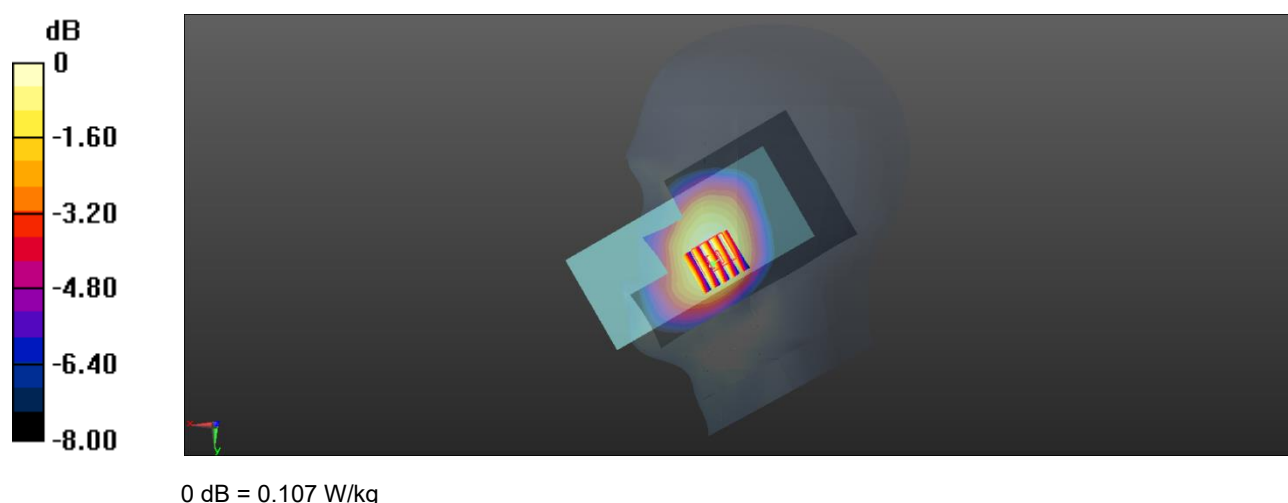
Peak SAR (extrapolated) = 0.126 W/kg

SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.083 W/kg

Smallest distance from peaks to all points 3 dB below = 21.2 mm

Ratio of SAR at M2 to SAR at M1 = 82.7%

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



Meas.29 Body Plane with Back Side 15mm on Middle Channel in LTE Band12 mode with Antenna 1

Date: 2025.02.27

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

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.859$ S/m; $\epsilon_r = 42.15$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch23095/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.216 W/kg

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

Reference Value = 15.65 V/m; Power Drift = -0.05 dB

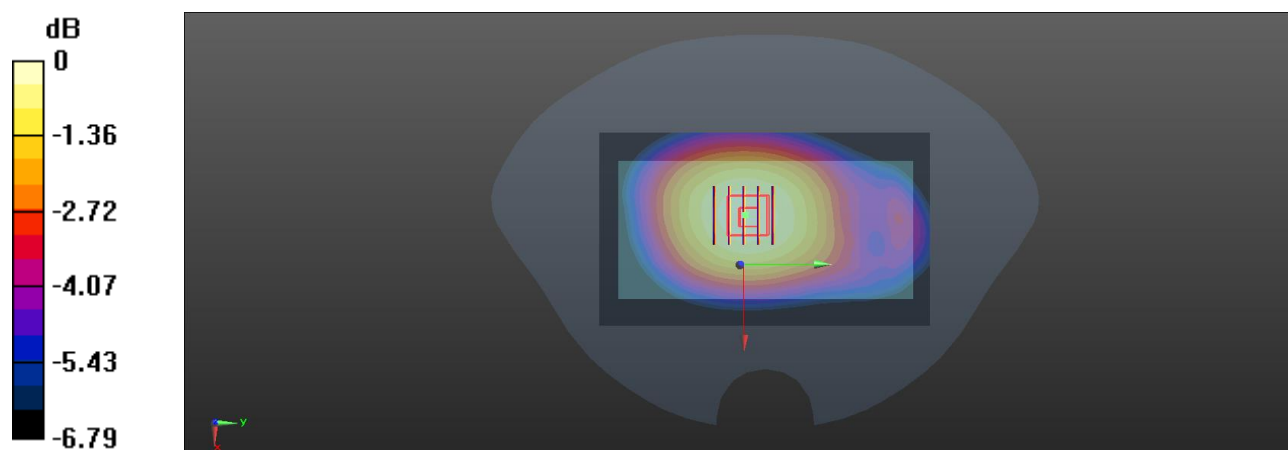
Peak SAR (extrapolated) = 0.258 W/kg

SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.170 W/kg

Smallest distance from peaks to all points 3 dB below = 17.4 mm

Ratio of SAR at M2 to SAR at M1 = 82.2%

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



0 dB = 0.224 W/kg

Meas.30 Body Plane with Back Side 10mm on Middle Channel in LTE Band12 mode with Antenna 1

Date: 2025.02.27

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

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.859$ S/m; $\epsilon_r = 42.15$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch23095/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 16.03 V/m; Power Drift = -0.18 dB

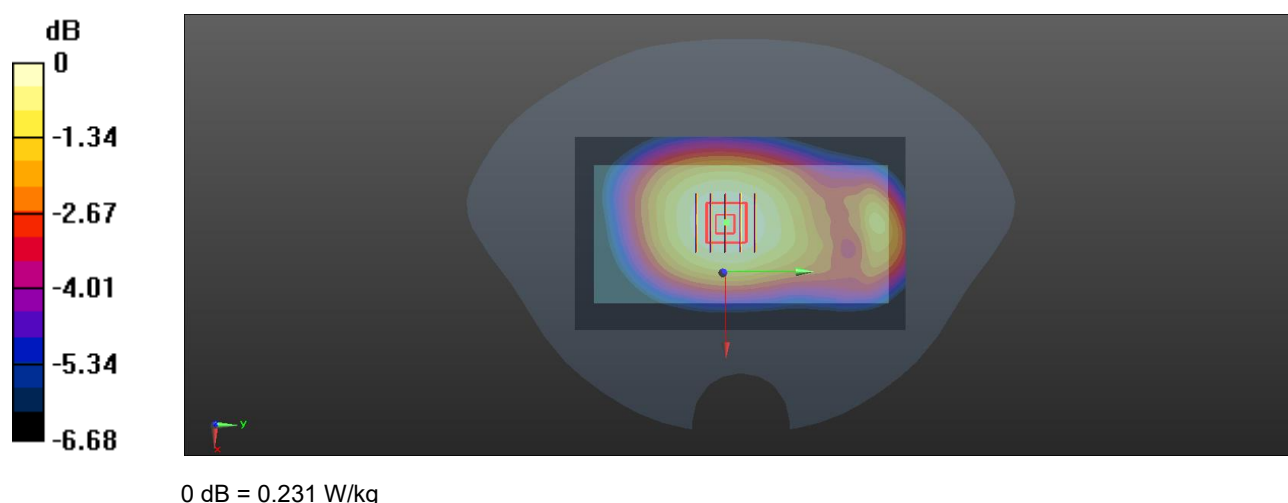
Peak SAR (extrapolated) = 0.263 W/kg

SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.176 W/kg

Smallest distance from peaks to all points 3 dB below = 17.2 mm

Ratio of SAR at M2 to SAR at M1 = 82.5%

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



Meas.31 Right Head with Cheek on Middle Channel in LTE Band17 mode with Antenna 1

Date: 2025.02.27

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

Medium parameters used (interpolated): $f = 710 \text{ MHz}$; $\sigma = 0.865 \text{ S/m}$; $\epsilon_r = 41.823$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

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

DASY5 Configuration:

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

Ch23790/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.116 W/kg

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

Reference Value = 2.834 V/m; Power Drift = 0.14 dB

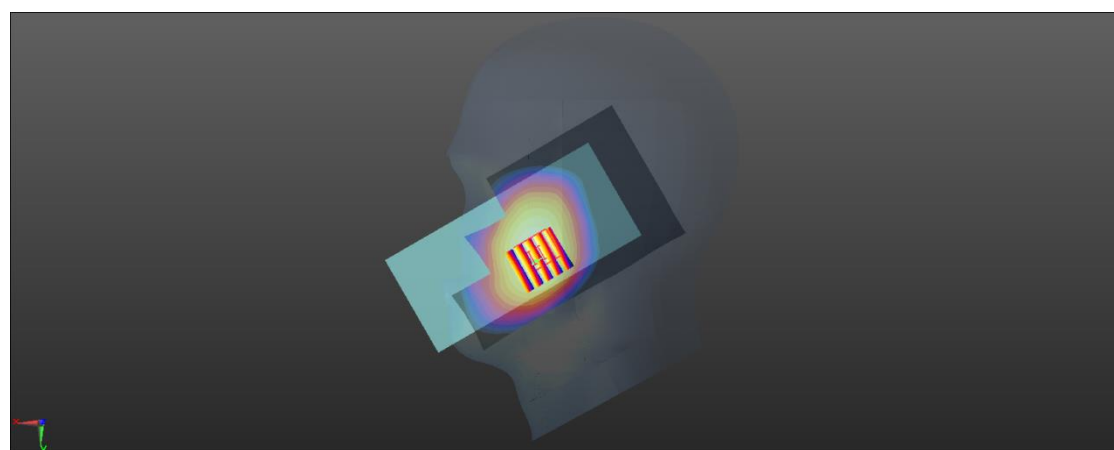
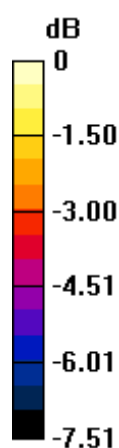
Peak SAR (extrapolated) = 0.131 W/kg

SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.090 W/kg

Smallest distance from peaks to all points 3 dB below = 21.6 mm

Ratio of SAR at M2 to SAR at M1 = 83.7%

Maximum value of SAR (measured) = 0.113 W/kg



0 dB = 0.113 W/kg

Meas.32 Body Plane with Back Side 15mm on Middle Channel in LTE Band17 mode with Antenna 1

Date: 2025.02.27

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

Medium parameters used (interpolated): $f = 710$ MHz; $\sigma = 0.865$ S/m; $\epsilon_r = 41.823$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch23790/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 16.01 V/m; Power Drift = -0.14 dB

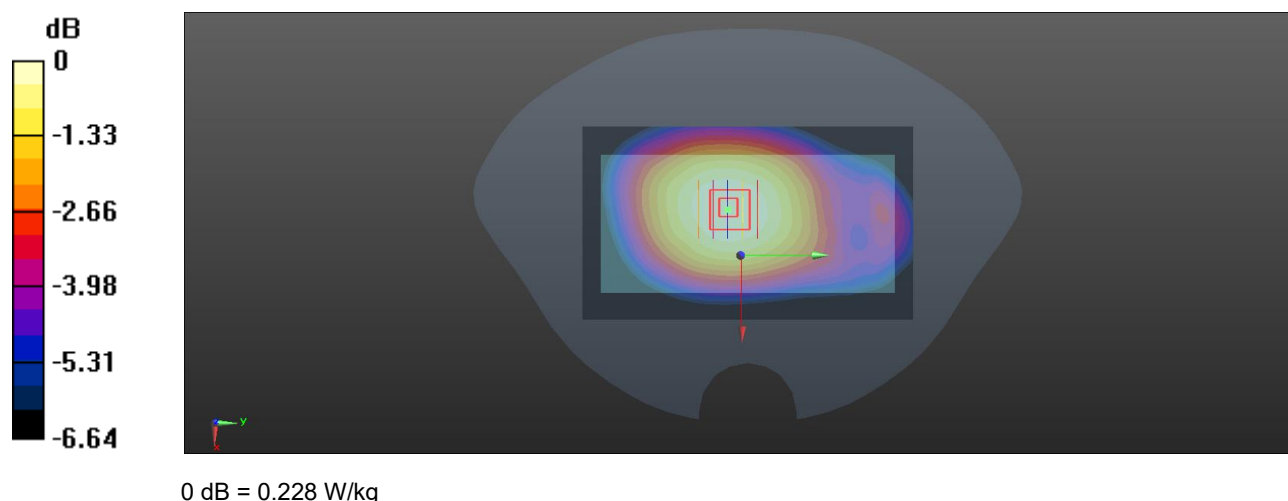
Peak SAR (extrapolated) = 0.261 W/kg

SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.174 W/kg

Smallest distance from peaks to all points 3 dB below = 16.8 mm

Ratio of SAR at M2 to SAR at M1 = 82%

Maximum value of SAR (measured) = 0.228 W/kg



Meas.33 Body Plane with Back Side 10mm on Middle Channel in LTE Band17 mode with Antenna 1

Date: 2025.02.27

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

Medium parameters used (interpolated): $f = 710 \text{ MHz}$; $\sigma = 0.865 \text{ S/m}$; $\epsilon_r = 41.823$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch23790/Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

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

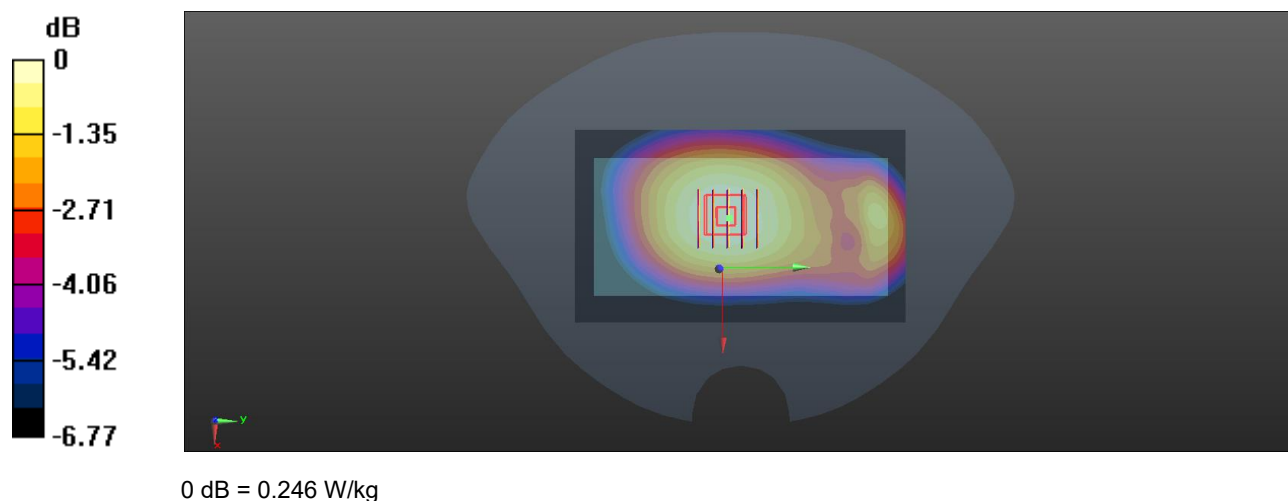
Reference Value = 16.53 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.282 W/kg

SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.188 W/kg

Ratio of SAR at M2 to SAR at M1 = 82%

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



Meas.34 Right Head with Cheek on Middle Channel in LTE Band18 mode with Antenna 1

Date: 2025.03.01

Communication System Band: Band 18; Frequency: 822.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 822.5$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 42.95$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.6°C

DASY5 Configuration:

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

Ch23925/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.155 W/kg

Ch23925/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.690 V/m; Power Drift = 0.14 dB

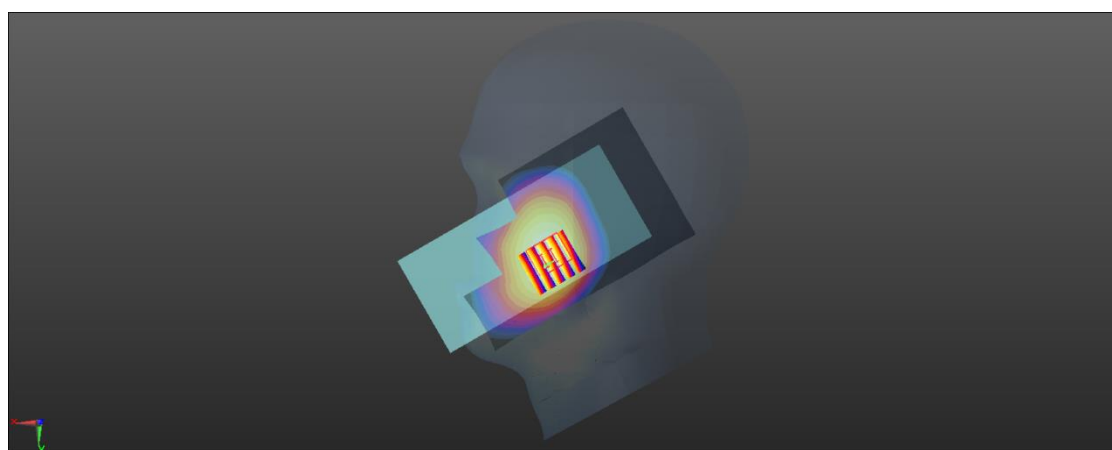
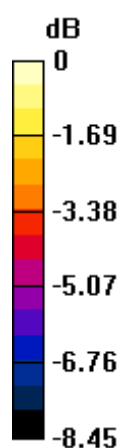
Peak SAR (extrapolated) = 0.178 W/kg

SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.117 W/kg

Smallest distance from peaks to all points 3 dB below = 21.1 mm

Ratio of SAR at M2 to SAR at M1 = 82%

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



0 dB = 0.153 W/kg

Meas.35 Body Plane with Back Side 15mm on Middle Channel in LTE Band18 mode with Antenna 1

Date: 2025.03.01

Communication System Band: Band 18; Frequency: 822.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 822.5$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 42.95$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.6°C

DASY5 Configuration:

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

Ch23925/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Ch23925/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.60 V/m; Power Drift = -0.09 dB

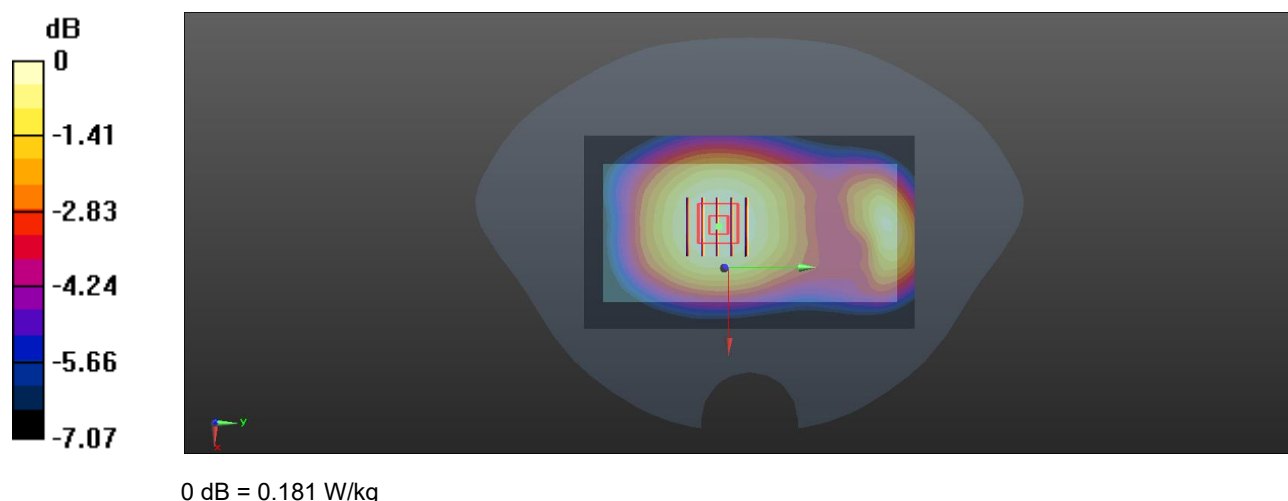
Peak SAR (extrapolated) = 0.211 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.136 W/kg

Smallest distance from peaks to all points 3 dB below = 17.5 mm

Ratio of SAR at M2 to SAR at M1 = 80.8%

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



Meas.36 Body Plane with Back Side 10mm on Middle Channel in LTE Band18 mode with Antenna 1

Date: 2025.03.01

Communication System Band: Band 18; Frequency: 822.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 822.5$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 42.95$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.6°C

DASY5 Configuration:

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

Ch23925/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Ch23925/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.76 V/m; Power Drift = 0.06 dB

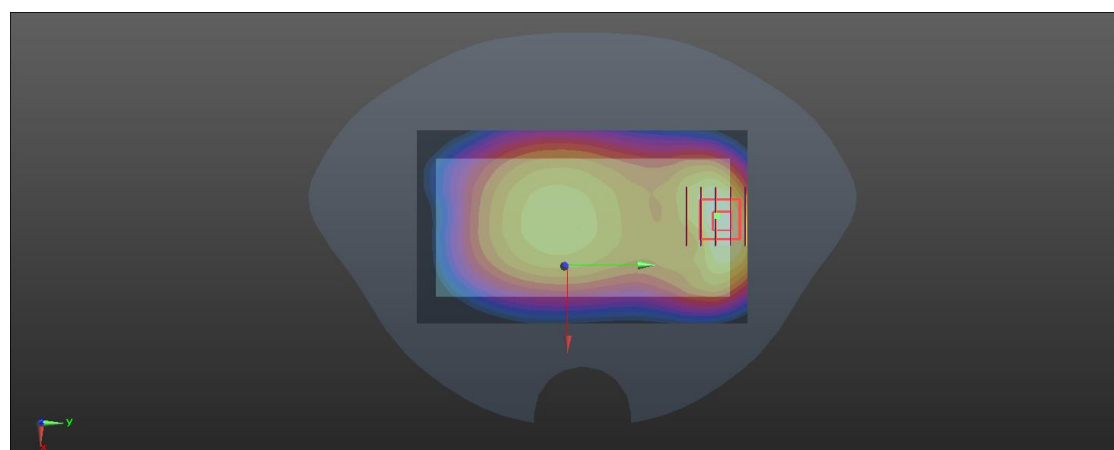
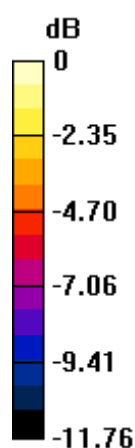
Peak SAR (extrapolated) = 0.493 W/kg

SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.180 W/kg

Smallest distance from peaks to all points 3 dB below = 15.1 mm

Ratio of SAR at M2 to SAR at M1 = 62.5%

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



0 dB = 0.320 W/kg

Meas.37 Right Head with Cheek on Middle Channel in LTE Band19 mode with Antenna 1

Date: 2025.03.01

Communication System Band: Band 19; Frequency: 837.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 837.5$ MHz; $\sigma = 0.908$ S/m; $\epsilon_r = 41.019$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.6°C

DASY5 Configuration:

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

Ch24075/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.172 W/kg

Ch24075/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.161 V/m; Power Drift = 0.05 dB

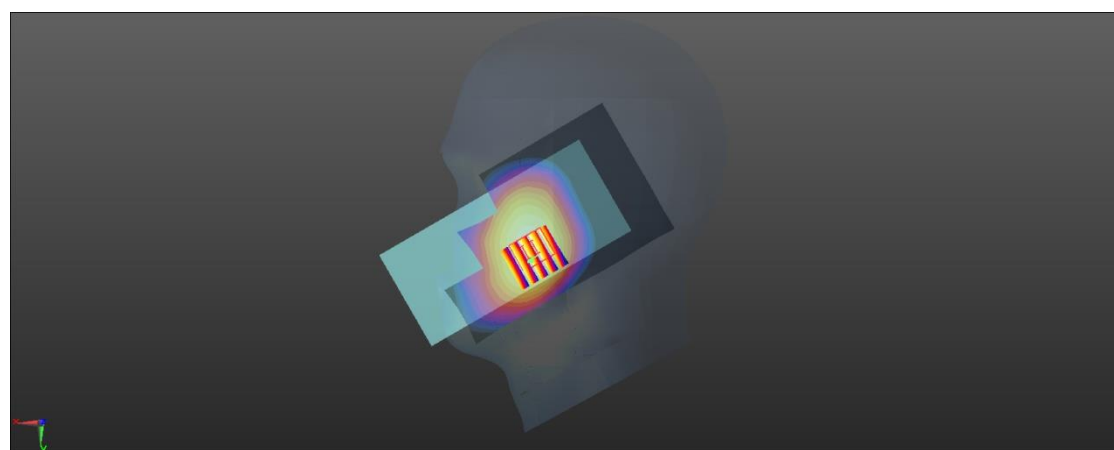
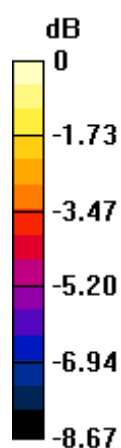
Peak SAR (extrapolated) = 0.203 W/kg

SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.133 W/kg

Smallest distance from peaks to all points 3 dB below = 20.8 mm

Ratio of SAR at M2 to SAR at M1 = 81.2%

Maximum value of SAR (measured) = 0.172 W/kg



0 dB = 0.172 W/kg

Meas.38 Body Plane with Back Side 15mm on Middle Channel in LTE Band19 mode with Antenna 1

Date: 2025.03.01

Communication System Band: Band 19; Frequency: 837.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 837.5$ MHz; $\sigma = 0.908$ S/m; $\epsilon_r = 41.019$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.6°C

DASY5 Configuration:

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

Ch24075/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Ch24075/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.76 V/m; Power Drift = -0.09 dB

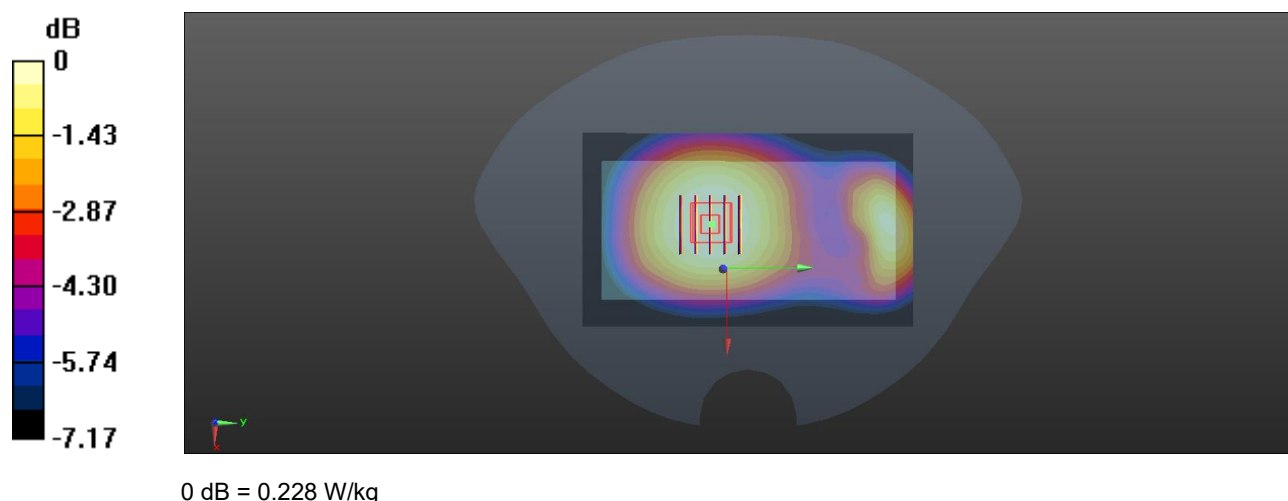
Peak SAR (extrapolated) = 0.267 W/kg

SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.170 W/kg

Smallest distance from peaks to all points 3 dB below = 17.7 mm

Ratio of SAR at M2 to SAR at M1 = 80.5%

Maximum value of SAR (measured) = 0.228 W/kg



Meas.39 Body Plane with Back Side 10mm on Middle Channel in LTE Band19 mode with Antenna 1

Date: 2025.03.01

Communication System Band: Band 19; Frequency: 837.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 837.5$ MHz; $\sigma = 0.908$ S/m; $\epsilon_r = 41.019$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.6°C

DASY5 Configuration:

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

Ch24075/Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.400 W/kg

Ch24075/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.61 V/m; Power Drift = 0.01 dB

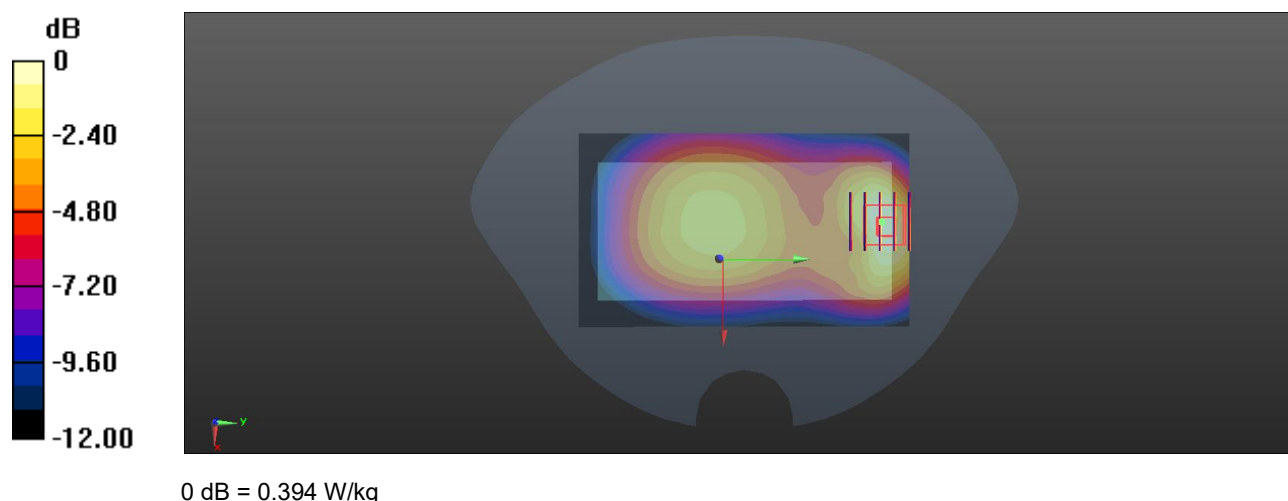
Peak SAR (extrapolated) = 0.602 W/kg

SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.216 W/kg

Smallest distance from peaks to all points 3 dB below = 13.7 mm

Ratio of SAR at M2 to SAR at M1 = 61.5%

Maximum value of SAR (measured) = 0.394 W/kg



Meas.40 Right Head with Cheek on Middle Channel in LTE Band26 mode with Antenna 1

Date: 2025.03.01

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

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 42.346$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.6°C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.161 W/kg

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

Reference Value = 2.158 V/m; Power Drift = 0.15 dB

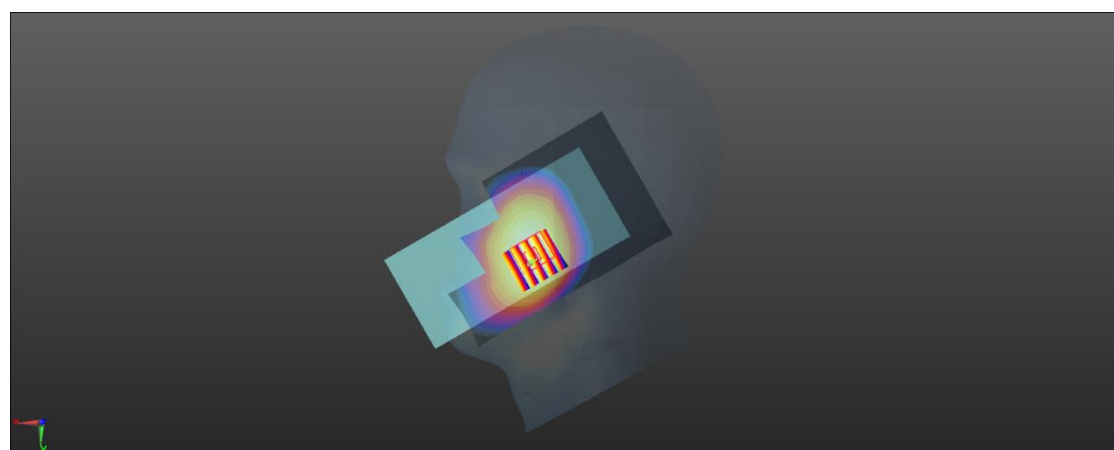
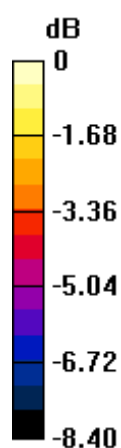
Peak SAR (extrapolated) = 0.184 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.121 W/kg

Smallest distance from peaks to all points 3 dB below = 21.2 mm

Ratio of SAR at M2 to SAR at M1 = 82.5%

Maximum value of SAR (measured) = 0.157 W/kg



0 dB = 0.157 W/kg

Meas.41 Body Plane with Back Side 15mm on Middle Channel in LTE Band26 mode with Antenna 1

Date: 2025.03.01

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

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 42.346$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.6°C

DASY5 Configuration:

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

Ch26865/Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 12.30 V/m; Power Drift = 0.01 dB

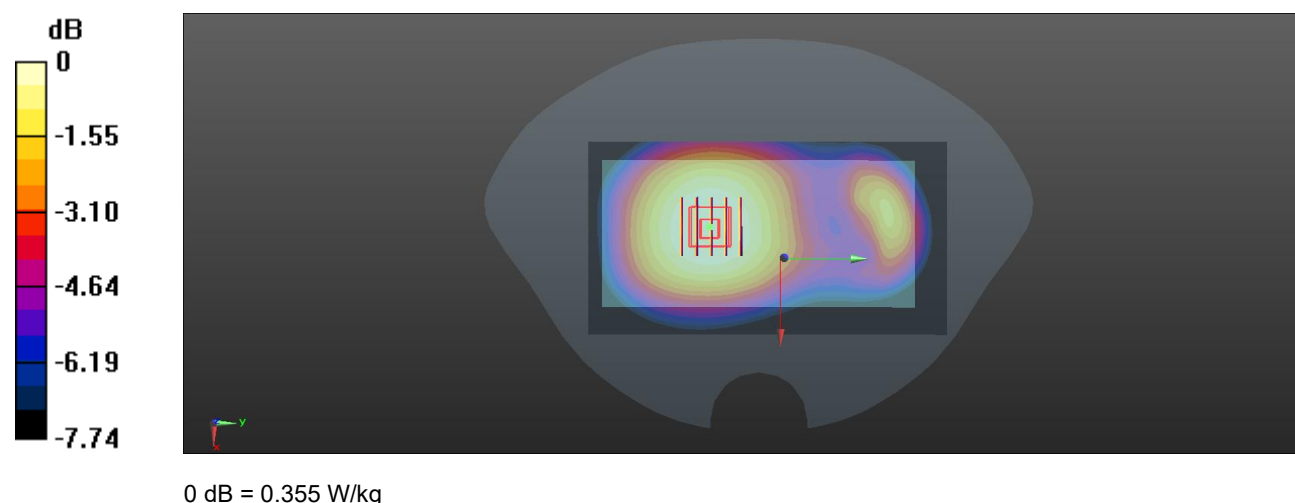
Peak SAR (extrapolated) = 0.257 W/kg

SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.144 W/kg

Smallest distance from peaks to all points 3 dB below = 20.4 mm

Ratio of SAR at M2 to SAR at M1 = 78%

Maximum value of SAR (measured) = 0.216 W/kg



Meas.42 Body Plane with Back Side 10mm on Middle Channel in LTE Band26 mode with Antenna 1

Date: 2025.03.01

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

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 42.346$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.6°C

DASY5 Configuration:

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

Ch26865/Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 13.94 V/m; Power Drift = 0.01 dB

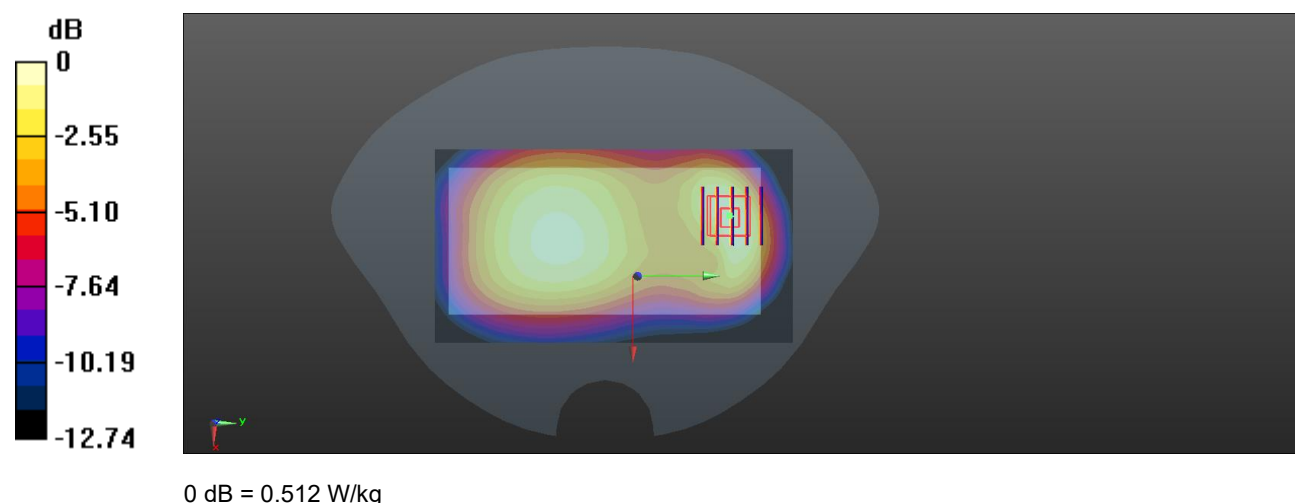
Peak SAR (extrapolated) = 0.611 W/kg

SAR(1 g) = 0.424 W/kg; SAR(10 g) = 0.276 W/kg

Smallest distance from peaks to all points 3 dB below = 16 mm

Ratio of SAR at M2 to SAR at M1 = 68.1%

Maximum value of SAR (measured) = 0.465 W/kg



Meas.43 Left Head with Cheek on Middle Channel in LTE Band66 mode with Antenna 1

Date: 2025.03.02

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

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 39.502$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

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

Ch132322/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0952 W/kg

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

Reference Value = 3.602 V/m; Power Drift = 0.14 dB

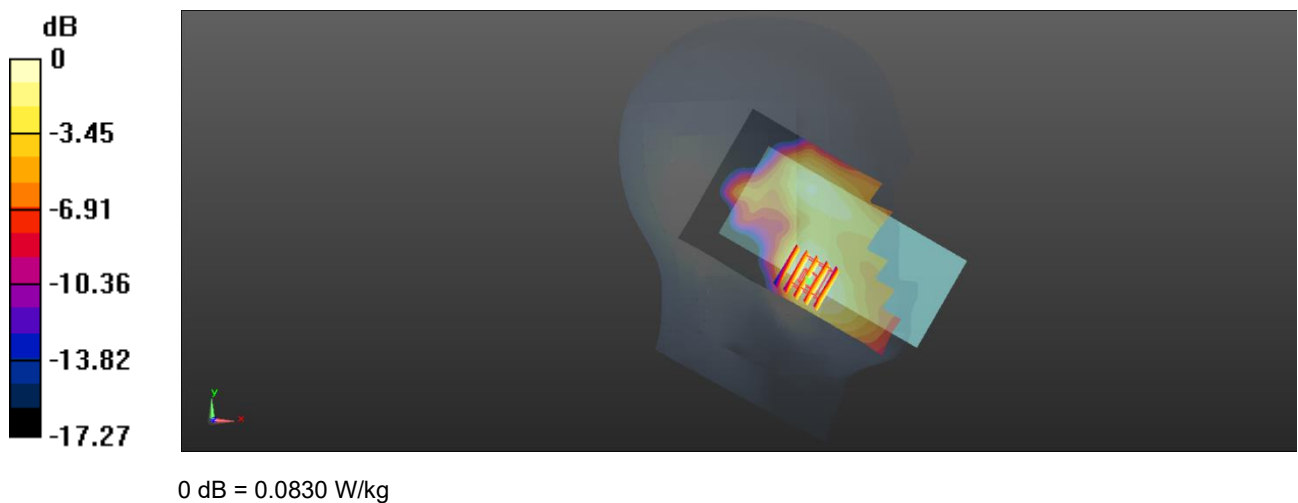
Peak SAR (extrapolated) = 0.107 W/kg

SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.053 W/kg

Smallest distance from peaks to all points 3 dB below = 16.3 mm

Ratio of SAR at M2 to SAR at M1 = 73.3%

Maximum value of SAR (measured) = 0.0830 W/kg



Meas.44 Body Plane with Back Side 15mm on Middle Channel in LTE Band66 mode with Antenna 1

Date: 2025.03.02

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

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 39.502$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.115 W/kg

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

Reference Value = 4.902 V/m; Power Drift = 0.09 dB

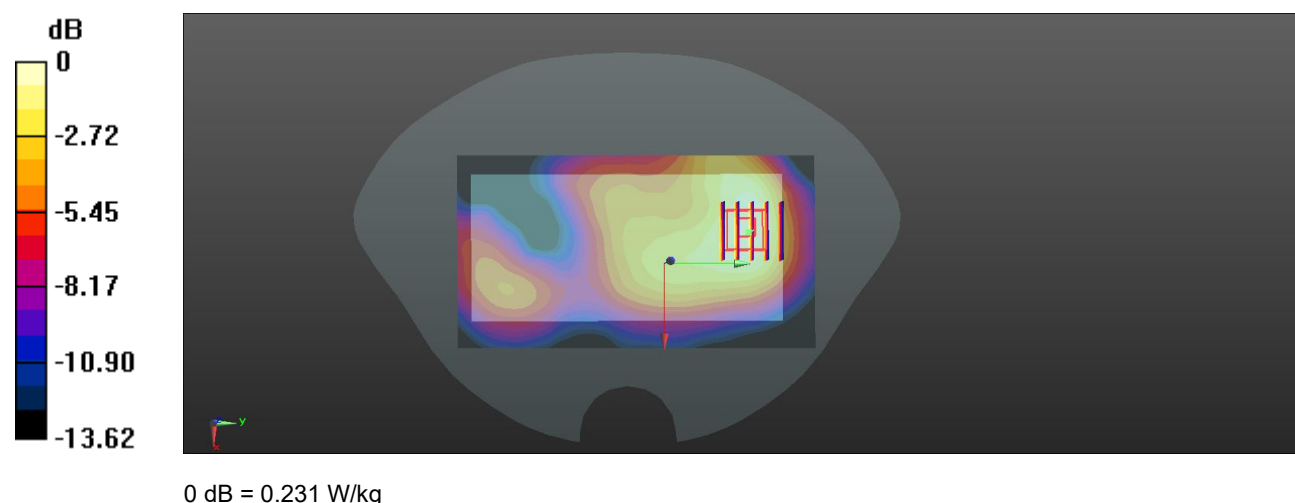
Peak SAR (extrapolated) = 0.171 W/kg

SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.086 W/kg

Smallest distance from peaks to all points 3 dB below = 14.8 mm

Ratio of SAR at M2 to SAR at M1 = 73.8%

Maximum value of SAR (measured) = 0.117 W/kg



Meas.45 Body Plane with Bottom Edge 10mm on High Channel in LTE Band66 mode with Antenna 1

Date: 2025.03.02

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

Medium parameters used (interpolated): $f = 1770$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 38.753$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch132572/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 23.71 V/m; Power Drift = 0.02 dB

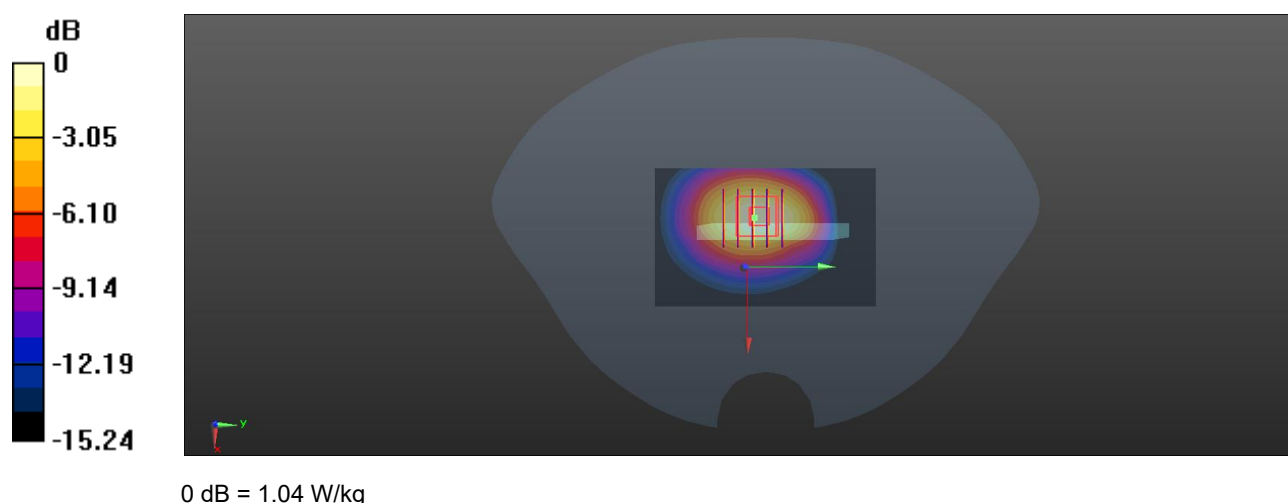
Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.950 W/kg; SAR(10 g) = 0.565 W/kg

Smallest distance from peaks to all points 3 dB below = 12.8 mm

Ratio of SAR at M2 to SAR at M1 = 65.5%

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



Meas.46 Left Head with Cheek on Middle Channel in LTE Band38 mode with Antenna 1

Date: 2025.03.06

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

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.995$ S/m; $\epsilon_r = 38.169$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

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

Ch38000/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

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

Reference Value = 4.920 V/m; Power Drift = -0.12 dB

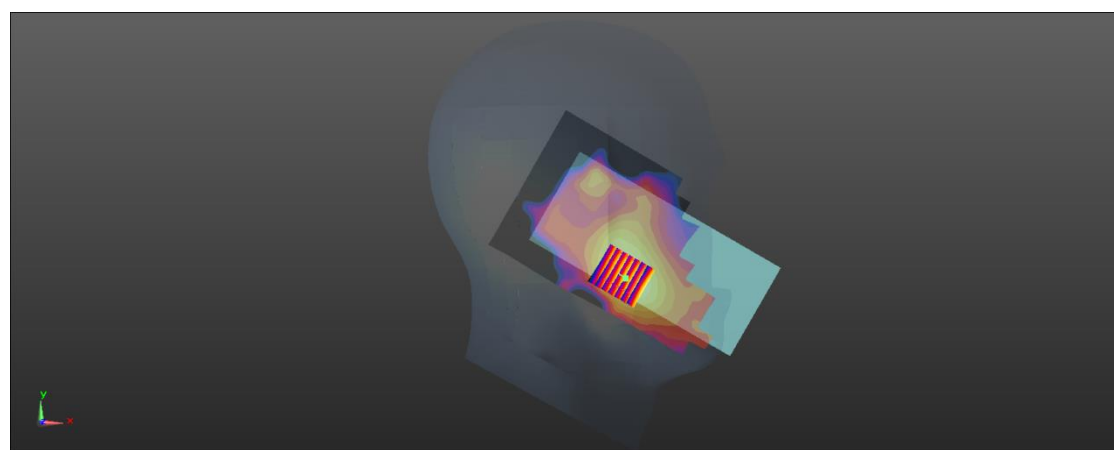
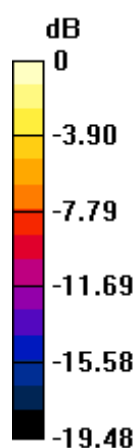
Peak SAR (extrapolated) = 0.390 W/kg

SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.120 W/kg

Smallest distance from peaks to all points 3 dB below = 13 mm

Ratio of SAR at M2 to SAR at M1 = 56.8%

Maximum value of SAR (measured) = 0.238 W/kg



0 dB = 0.238 W/kg

Meas.47 Body Plane with Back Side 15mm on Middle Channel in LTE Band38 mode with Antenna 1

Date: 2025.03.06

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

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.995$ S/m; $\epsilon_r = 38.169$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch38000/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

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

Reference Value = 1.174 V/m; Power Drift = 0.05 dB

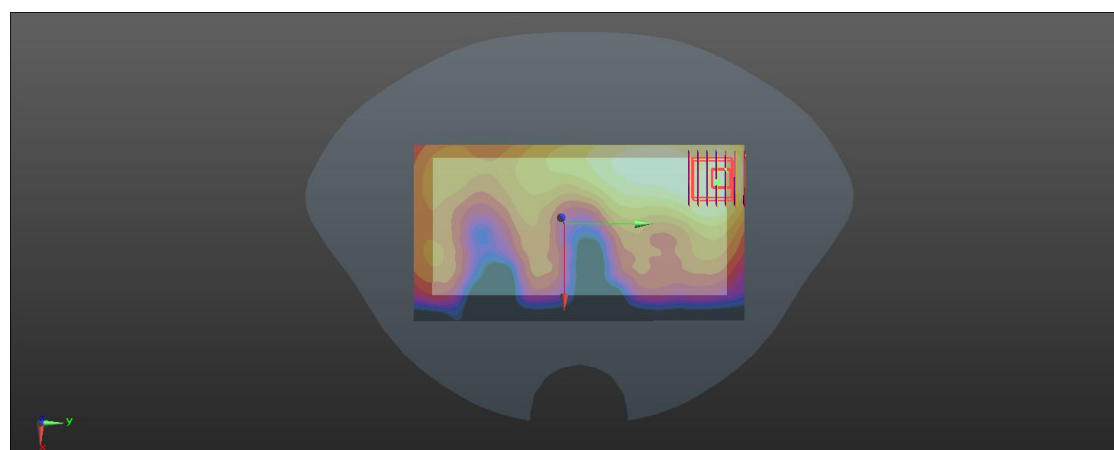
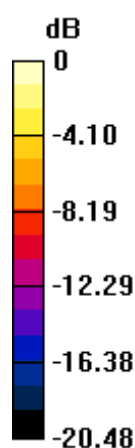
Peak SAR (extrapolated) = 0.316 W/kg

SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.090 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 53.7%

Maximum value of SAR (measured) = 0.182 W/kg



0 dB = 0.182 W/kg

Meas.48 Body Plane with Back Side 10mm on Middle Channel in LTE Band38 mode with Antenna 1

Date: 2025.03.06

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

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.995$ S/m; $\epsilon_r = 38.169$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch38000/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.469 W/kg

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

Reference Value = 2.539 V/m; Power Drift = 0.04 dB

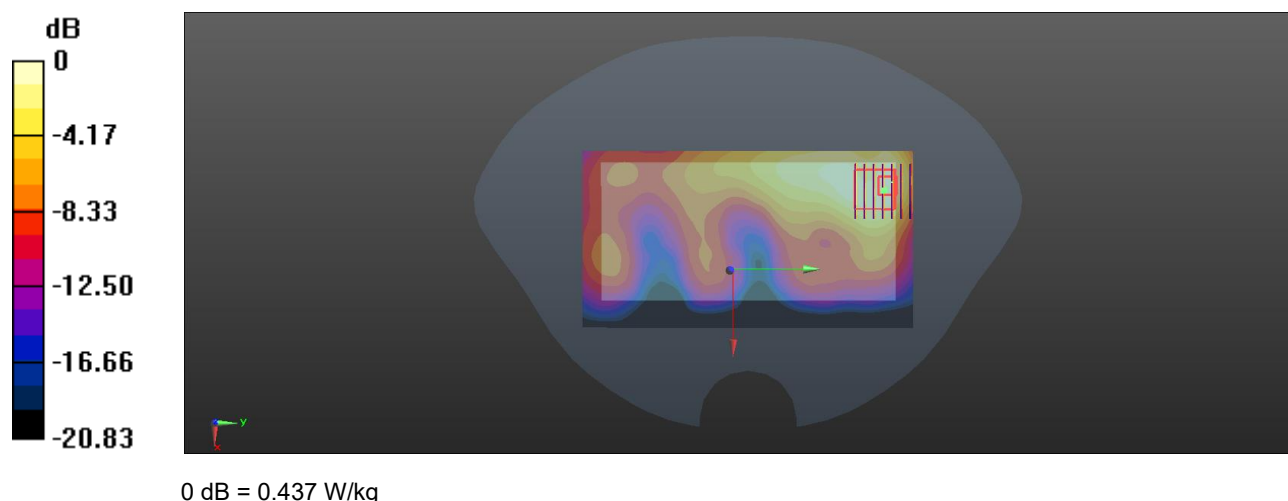
Peak SAR (extrapolated) = 0.794 W/kg

SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.209 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 52.3%

Maximum value of SAR (measured) = 0.437 W/kg



Meas.49 Left Head with Cheek on Middle Channel in LTE Band41 mode with Antenna 1

Date: 2025.03.07

Communication System Band: Band41; Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.974$ S/m; $\epsilon_r = 40.251$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

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

Ch40620/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.241 W/kg

Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.981 V/m; Power Drift = 0.14 dB

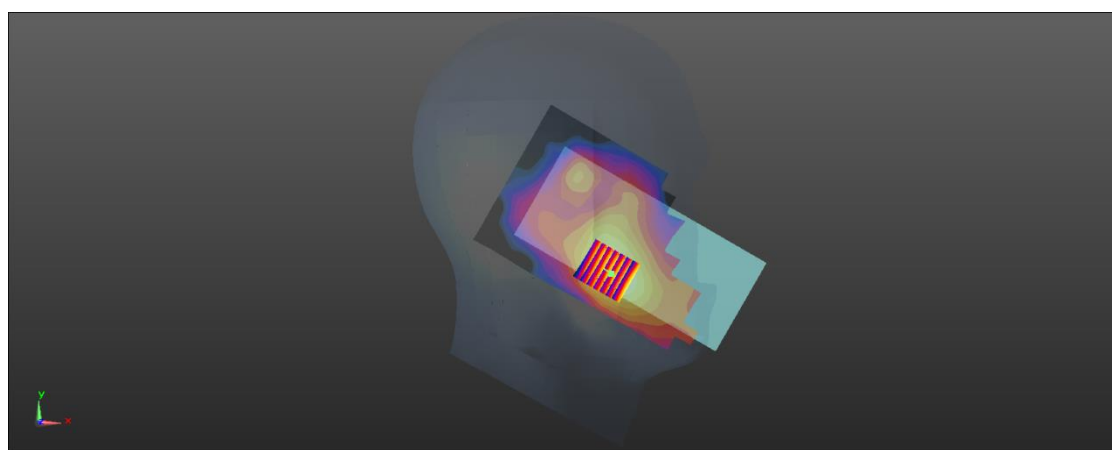
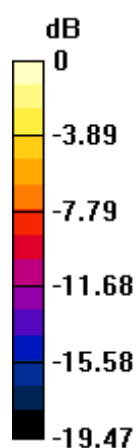
Peak SAR (extrapolated) = 0.388 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.120 W/kg

Smallest distance from peaks to all points 3 dB below = 13 mm

Ratio of SAR at M2 to SAR at M1 = 57%

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



0 dB = 0.237 W/kg

Meas.50 Body Plane with Back Side 15mm on Middle Channel in LTE Band41 mode with Antenna 1

Date: 2025.03.07

Communication System Band: Band41; Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.974$ S/m; $\epsilon_r = 40.251$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch40620/Area Scan (81x151x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.165 W/kg

Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.613 V/m; Power Drift = 0.14 dB

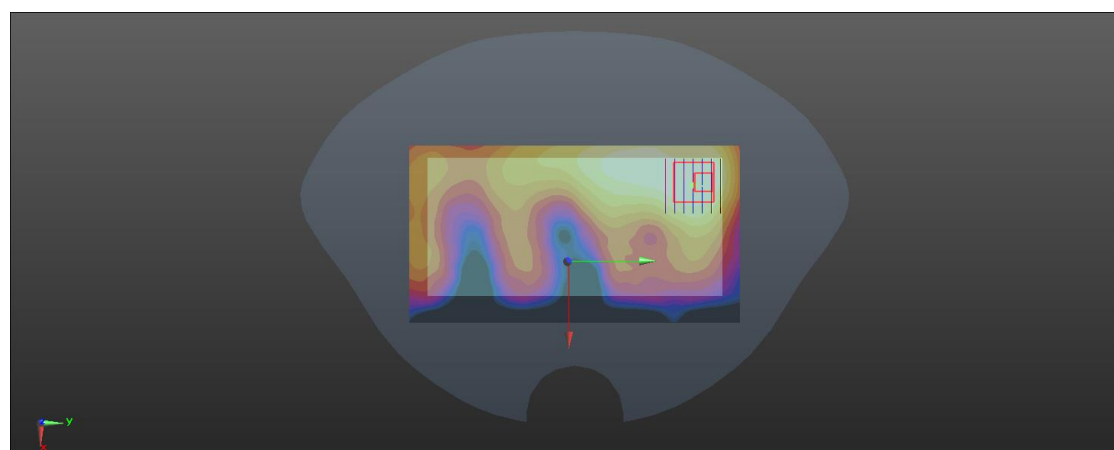
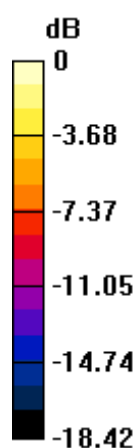
Peak SAR (extrapolated) = 0.287 W/kg

SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.086 W/kg

Smallest distance from peaks to all points 3 dB below = 14.4 mm

Ratio of SAR at M2 to SAR at M1 = 52.7%

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



0 dB = 0.169 W/kg

Meas.51 Body Plane with Back Side 10mm on Middle Channel in LTE Band41 mode with Antenna 1

Date: 2025.03.07

Communication System Band: Band41; Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.974$ S/m; $\epsilon_r = 40.251$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch40620/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.272 V/m; Power Drift = 0.01 dB

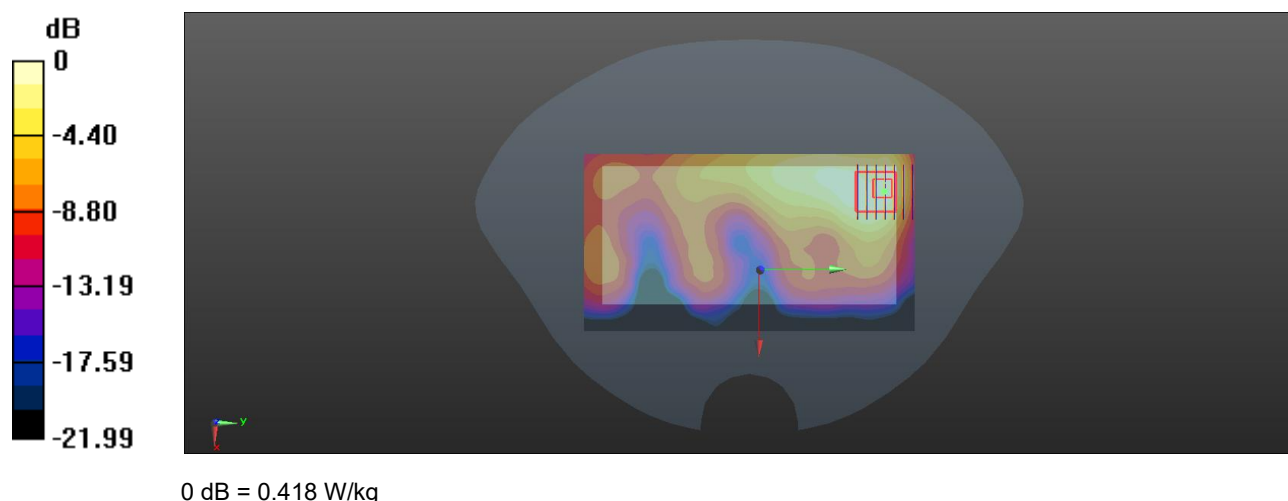
Peak SAR (extrapolated) = 0.744 W/kg

SAR(1 g) = 0.370 W/kg; SAR(10 g) = 0.193 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 51.7%

Maximum value of SAR (measured) = 0.418 W/kg



Meas.52 Left Head with Cheek on 1 Channel in IEEE802.11b mode with Antenna 2

Date: 2025.03.04

Communication System Band: WLAN(b); Frequency: 2412 MHz; Duty Cycle: 1:1.007

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.773$ S/m; $\epsilon_r = 39.51$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

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

Ch1/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.46 V/m; Power Drift = -0.03 dB

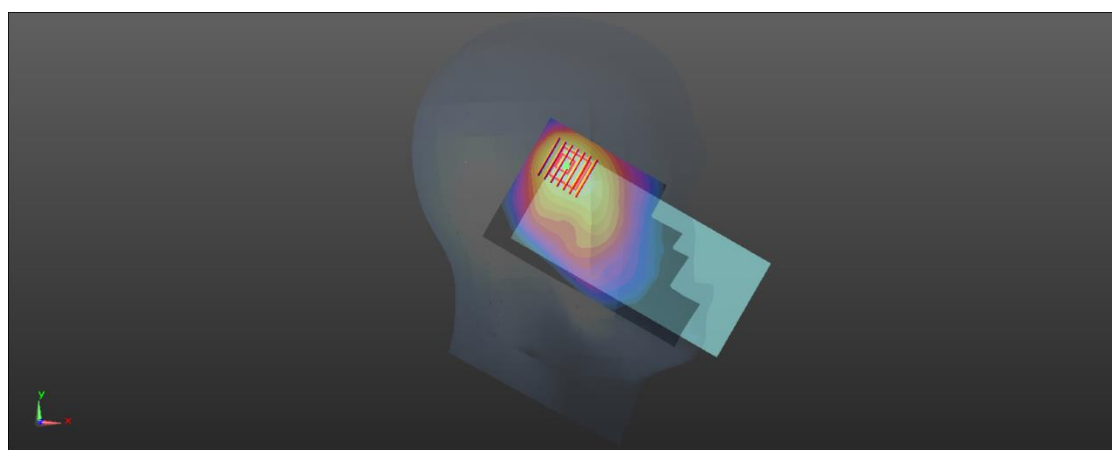
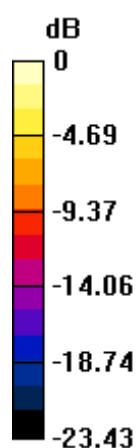
Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.846 W/kg; SAR(10 g) = 0.440 W/kg

Smallest distance from peaks to all points 3 dB below = 12.2 mm

Ratio of SAR at M2 to SAR at M1 = 56.5%

Maximum value of SAR (measured) = 0.938 W/kg



0 dB = 0.938 W/kg

Meas.53 Body Plane with Back Side 15mm on 1 Channel in IEEE802.11b mode with Antenna 2

Date: 2025.03.04

Communication System Band: WLAN(b); Frequency: 2412 MHz; Duty Cycle: 1:1.007

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.773$ S/m; $\epsilon_r = 39.51$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch1/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.397 V/m; Power Drift = 0.05 dB

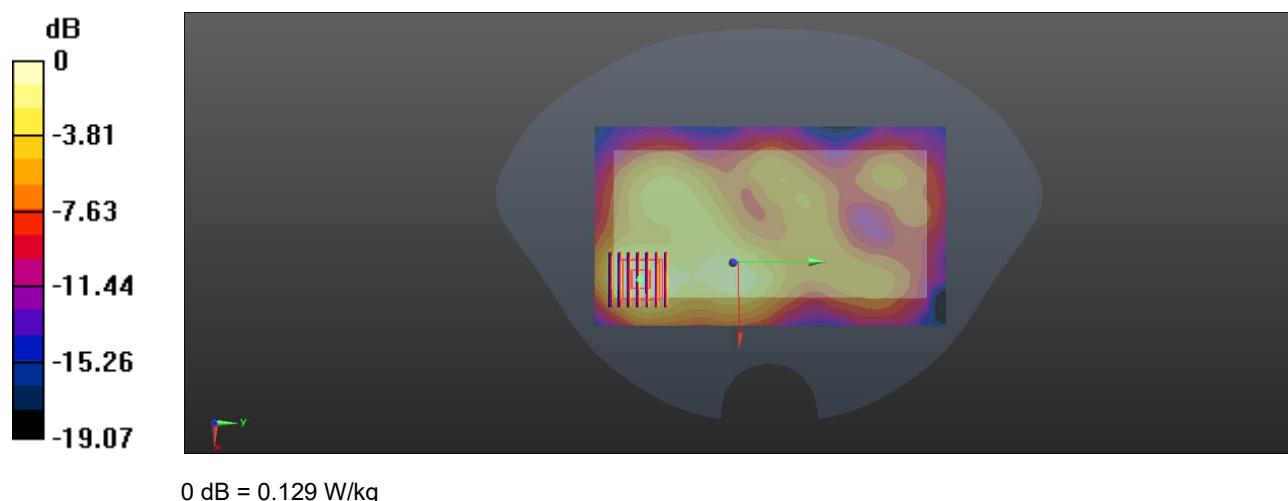
Peak SAR (extrapolated) = 0.215 W/kg

SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.062 W/kg

Smallest distance from peaks to all points 3 dB below = 14.2 mm

Ratio of SAR at M2 to SAR at M1 = 54.5%

Maximum value of SAR (measured) = 0.129 W/kg



Meas.54 Body Plane with Back Side 10mm on 1 Channel in IEEE802.11b mode with Antenna 2

Date: 2025.03.04

Communication System Band: WLAN(b); Frequency: 2412 MHz; Duty Cycle: 1:1.007

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.773$ S/m; $\epsilon_r = 39.51$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

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

Ch1/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.340 W/kg

Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.728 V/m; Power Drift = 0.06 dB

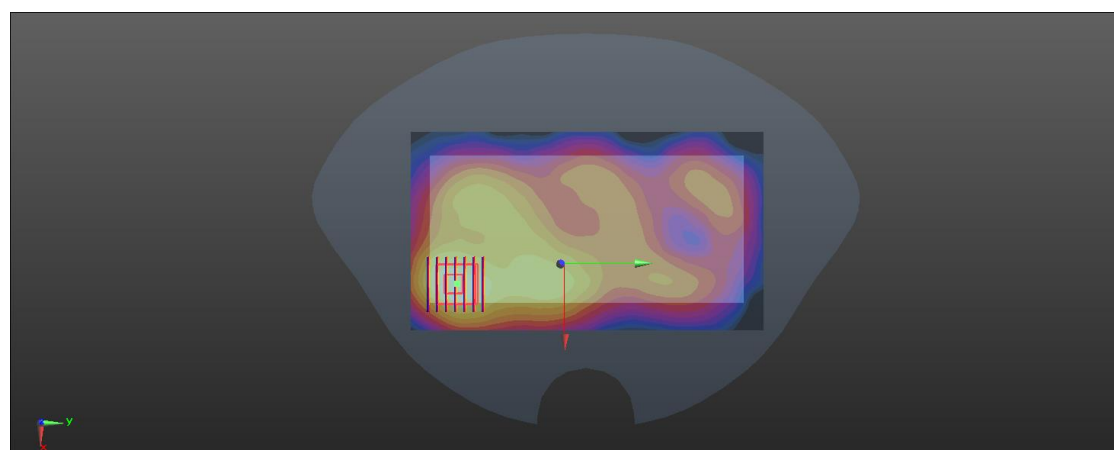
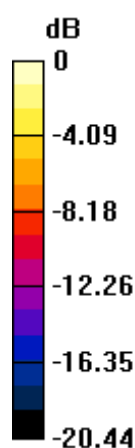
Peak SAR (extrapolated) = 0.549 W/kg

SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.140 W/kg

Smallest distance from peaks to all points 3 dB below = 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 53.3%

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



0 dB = 0.312 W/kg

Meas.55 Left Head with Cheek on 0 Channel in Bluetooth mode with Antenna 2

Date: 2025.03.04

Communication System Band:Bluetooth; Frequency: 2402 MHz;Duty Cycle: 1:1.296

Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.759$ S/m; $\epsilon_r = 40.065$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.1℃ Liquid Temperature:21.2℃

DASY5 Configuration:

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

Ch0/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.917 V/m; Power Drift = 0.14 dB

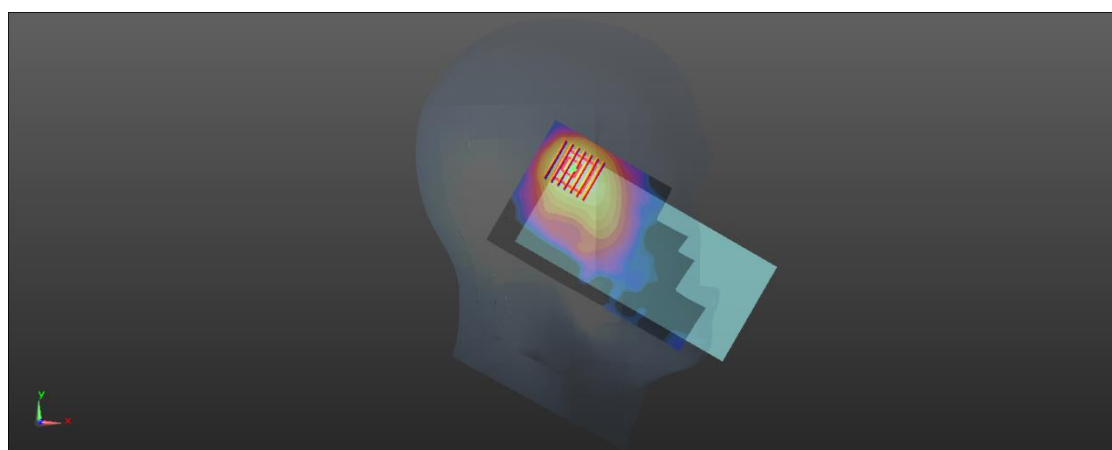
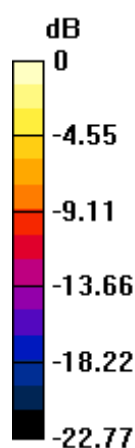
Peak SAR (extrapolated) = 0.211 W/kg

SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.056 W/kg

Smallest distance from peaks to all points 3 dB below = 12 mm

Ratio of SAR at M2 to SAR at M1 = 57.4%

Maximum value of SAR (measured) = 0.120 W/kg



0 dB = 0.120 W/kg

Meas.56 Body Plane with Back Side 15mm on 0 Channel in Bluetooth mode with Antenna 2

Date: 2025.03.04

Communication System Band:Bluetooth; Frequency: 2402 MHz;Duty Cycle: 1:1.296

Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.759$ S/m; $\epsilon_r = 40.065$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.2℃

DASY5 Configuration:

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

Ch0/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0187 W/kg

Ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.09 dB

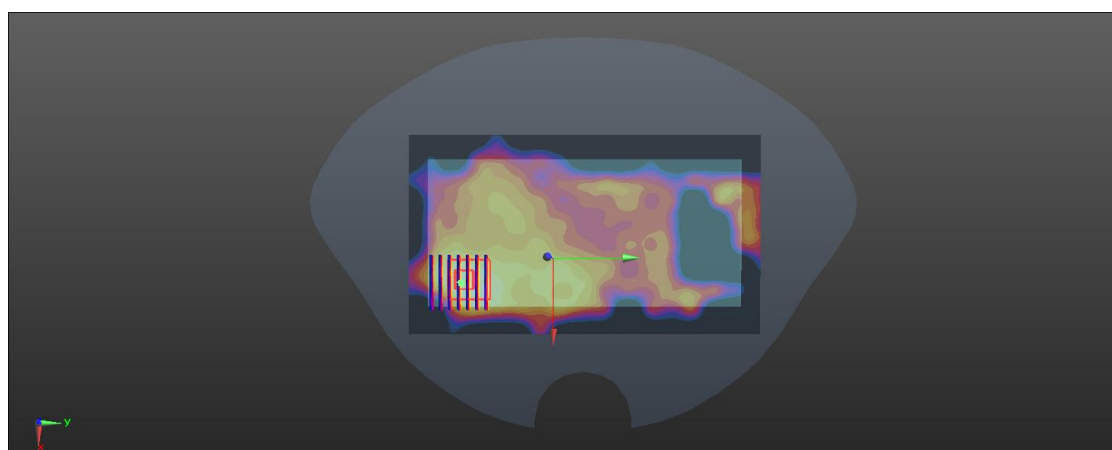
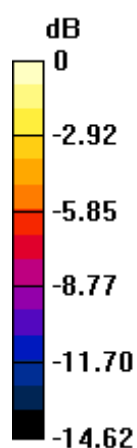
Peak SAR (extrapolated) = 0.0290 W/kg

SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00817 W/kg

Smallest distance from peaks to all points 3 dB below = 11.5 mm

Ratio of SAR at M2 to SAR at M1 = 53.7%

Maximum value of SAR (measured) = 0.0167 W/kg



0 dB = 0.0167 W/kg

Meas.57 Body Plane with Back Side 10mm on 0 Channel in Bluetooth mode with Antenna 2

Date: 2025.03.04

Communication System Band:Bluetooth; Frequency: 2402 MHz;Duty Cycle: 1:1.296

Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.759$ S/m; $\epsilon_r = 40.065$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.2℃

DASY5 Configuration:

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

Ch0/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0489 W/kg

Ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

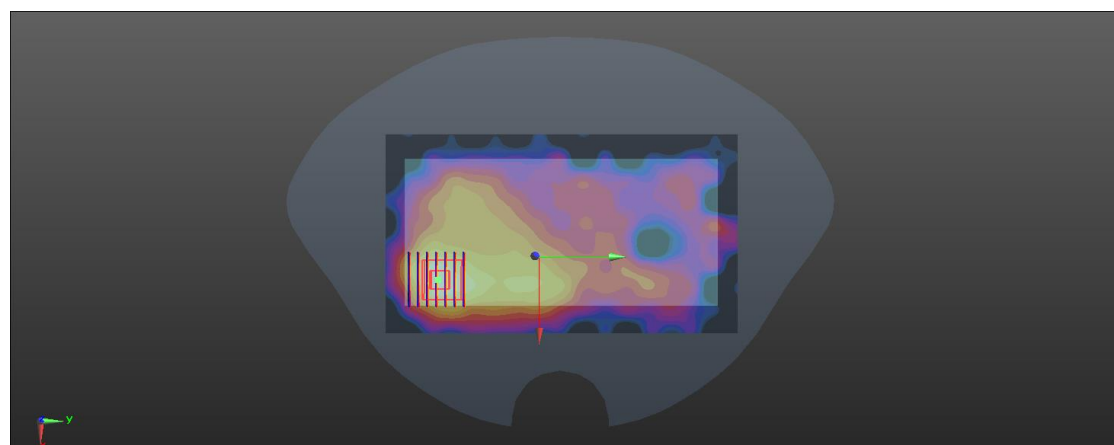
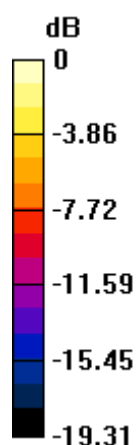
Reference Value = 0.8160 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0780 W/kg

SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.020 W/kg

Ratio of SAR at M2 to SAR at M1 = 51.3%

Maximum value of SAR (measured) = 0.0459 W/kg



0 dB = 0.0459 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2520098-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2520098-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2520098-AC.pdf”.

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