TEST REPORT

Applicant:	Wuxi iData Technology Co., Ltd.
Address:	Floor 11, Building B1, No.999 Gaolang East Road, Wuxi City, P.R.C.
Equipment Type:	New Mobile Computer
Model Name:	iData K3 Pro(refer to section 2.3)
Brand Name:	iData
FCC ID:	2ADE3IDATAK3PRO
Test Standard:	FCC 47 CFR Part 2.1093 (refer to section 3.1)
Maximum SAR:	Head (1 g@0mm): 1.02 W/kg Body-worn (1 g@10mm): 1.06 W/kg Hotspot (1 g@10mm): 1.35 W/kg Extremity (10 g@0mm): 3.35 W/kg
Sample Arrival Date:	Feb. 10, 2025
Test Date：	Feb. 12, 2025 - Feb. 19, 2025
Date of Issue:	Mar. 11, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Xiong Lining **Checked by:** Xu Rui **Approved by:** Tolan Tu

(Testing Director)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Mar. 11, 2025	Initial Issue

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☑ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

1.3 Test Environment Condition

Ambient Temperature	18℃ to 25℃
Ambient Relative Humidity	30% to 70%

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Wuxi iData Technology Co., Ltd.
Address	Floor 11, Building B1, No.999 Gaolang East Road, Wuxi City, P.R.C.

2.2 Manufacturer Information

Manufacturer	Wuxi iData Technology Co., Ltd.
Address	Floor 11, Building B1, No.999 Gaolang East Road, Wuxi City, P.R.C.

2.3 Factory Information

Factory	Wuxi iData Technology Co., Ltd.
Address	Floor 11, Building B1, No.999 Gaolang East Road, Wuxi City, P.R.C.

2.4 General Description for Equipment under Test (EUT)

EUT Name	New Mobile Computer
Model Name Under Test	iData K3 Pro
Series Model Name	iData K3，iData K3W，iData K3S，iData K3V，iData K31，iData K32，iData K3X，iData K3 Strong，iData K3 Cold，iData K3 Grip，iData K3 UHF，iData K3 Wireless，iData K3 Plus，iData k3 Lite，iData K3 Max，iData K3 Ultra，iData K3 Premium，iData K3 Pro Edition，iData K3 Plus Edition，iData K3HC，K3，K3W，K3S，K3V，K31，K32，K3X，K3 5G，K3 Strong，K3 Cold，K3 Grip，K3 UHF，K3 Wireless，K3 Pro，K3 Plus，K3 Lite，K3 Max，K3 Ultra，K3 Premium，K3 Pro Edition，K3 Plus Edition，K3HC，K51，K52，F53，F55，C56，C57，M58，M59, MC005
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in model name (this information provided by the customer).
Hardware Version	Z231RQ_V25
Software Version	14.00.044
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	U914479PHV
	Serial No.	N/A
	Capacity	5000 mAh
	Rated Voltage	3.85 V
	Limit Charge Voltage	4.4 V
	Manufacturer	Shenzhen Utility Energy Co., Ltd.

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 3G Network WCDMAHSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/17/66/71 TDD LTE Band 41 Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) GNSS, NFC

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

Operating Mode	GSM, WCDMA, LTE, 2.4G WIFI, 5G WIFI, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	LTE Band 71	TX: 663 ~ 698 MHz	RX: 617 ~ 652 MHz
	LTE Band 41	TX: 2496~ 2690 MHz	RX: 2496~ 2690 MHz
	802.11b/g /n(HT20)	2412 ~ 2462 MHz	
	802.11a/ /n(HT20/HT40)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	

	/ac(VHT20/VHT40/ VHT80)	5470 ~ 5725 MHz
		5725 ~ 5850 MHz
	Bluetooth	2402 ~ 2480 MHz
Antenna Type	WWAN: PIFA Antenna WIFI: PIFA Antenna Bluetooth: PIFA Antenna	
DTM	N/A	
Hotspot Function	Support	
Power Reduction	N/A	
Exposure Category	General Population/Uncontrolled exposure	
Product Type	Portable Device	
EUT Type	☒ Production unit	☐ Identical prototype

3 SUMMARY OF TEST RESULT

3.1 Test Standards

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

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR Values

Equipment Class	Band	Maximum Scaled SAR (W/kg)				Maximum Report SAR (W/kg)			
		Head (0mm)	Body-worn (10mm)	Hotspot (10mm)	Specific (0mm)	Head (0mm)	Body-worn (10mm)	Hotspot (10mm)	Specific (0mm)
		1g SAR			10g SAR	1g SAR			10g SAR
PCE	GSM 850	1.02	0.81	0.81	/	1.02	1.06	1.35	3.35
	GSM 1900	0.23	0.92	1.35	3.01				
	WCDMA Band 2	0.17	0.92	1.22	2.99				
	WCDMA Band 4	0.12	1.04	1.05	/				
	WCDMA Band 5	0.62	0.63	0.63	/				
	LTE Band 2	0.18	0.95	1.27	3.35				
	LTE Band 5	0.58	0.52	0.52	/				
	LTE Band 7	0.31	0.90	1.10	/				
	LTE Band 12	0.25	0.50	0.50	/				
	LTE Band 66	0.17	1.06	1.18	/				
	LTE Band 71	0.41	0.55	0.55	/				
	LTE Band 41	0.13	0.57	0.66	/				
DTS	2.4G WIFI	0.57	0.22	0.22	/				
NII	5G WIFI	0.33	0.15	0.23	0.42				
DSS	Bluetooth	0.09	0.06	0.06	/				
Limit (W/kg)		1.6			4.0	1.6			4.0
Verdict		PASS							

Note: This device supports LTE B4/B17 and LTE B66/B12. Since the supported frequency span for LTE B4/B17 falls completely within the supports freguency span for LTE B66/B12, these LTE bands share the same transmission path, and LTE B4/B17 have lower or the same target power as LTE B66/B12; Therefore, SAR was only assessed for LTE B66/B12.

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)	Specific 10g (0mm)
PCE	**1.59**	**1.28**	**1.35**	**3.35**
DTS	**1.59**	**1.28**	**1.35**	/
NII	1.44	1.27	**1.35**	**3.35**
DSS	1.44	1.27	**1.35**	/
Limit (W/Kg)	1.6			4.0
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 1.35 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.
The maximum 10 g SAR for the EUT in this report is 3.35 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

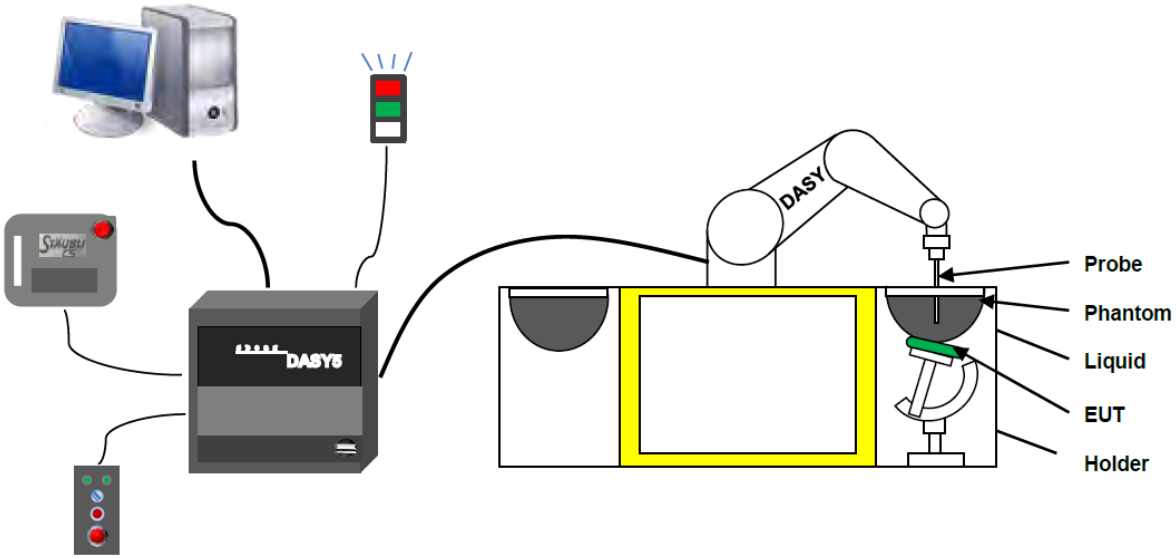
$$\mathbf{SAR} = \frac{\sigma \mathrm{E}^2}{\rho}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



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

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

4.2.2 Robot

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

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

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN:7893 with following specifications is used.

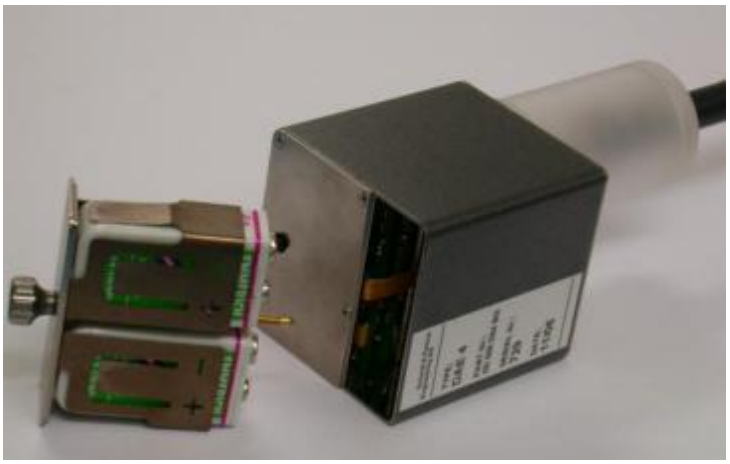
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz;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

E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

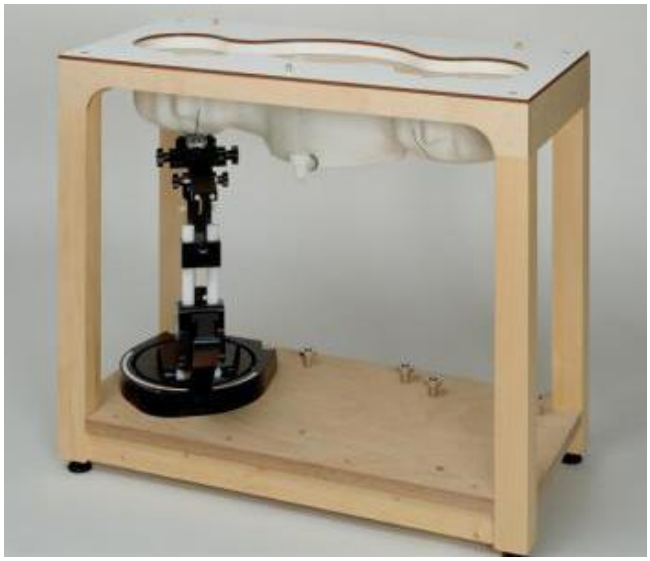
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

4.2.5 Phantoms

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



- Left head
- Right head
- Flat phantom

Photo of Phantom SN1857

Serial Number	Material	Length	Height
SN 1857 SAM1	Vinylester, glass fiber reinforced	1000	500

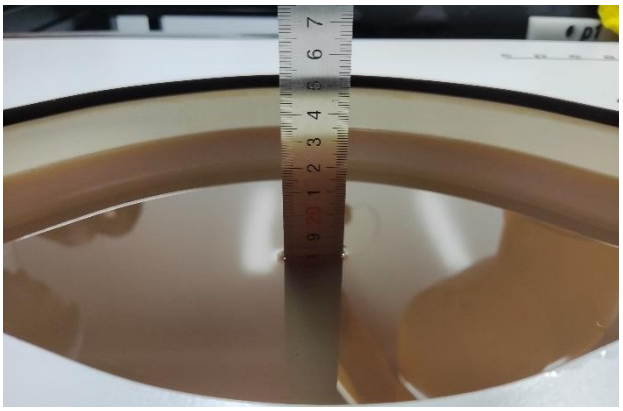
4.2.6 Device Holder

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

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

4.2.7 Simulating Liquid

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

Head Liquid Depth	Body Liquid Depth
	

The following table gives the recipes for tissue simulating liquid.

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

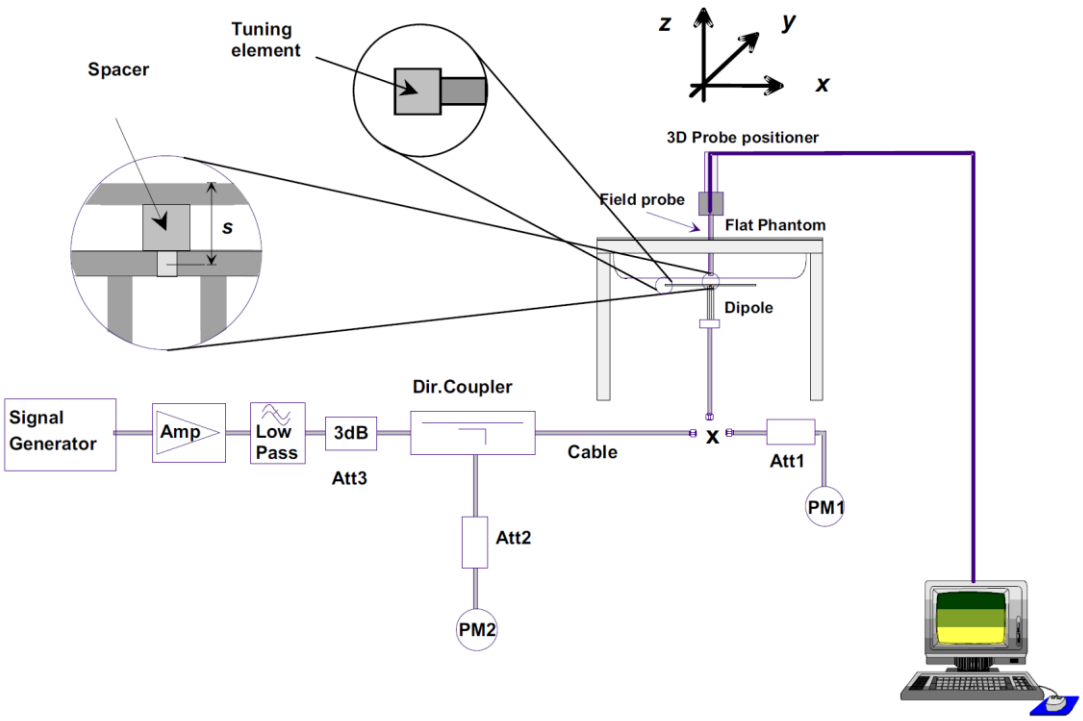
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

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

6.1 Head Exposure Conditions

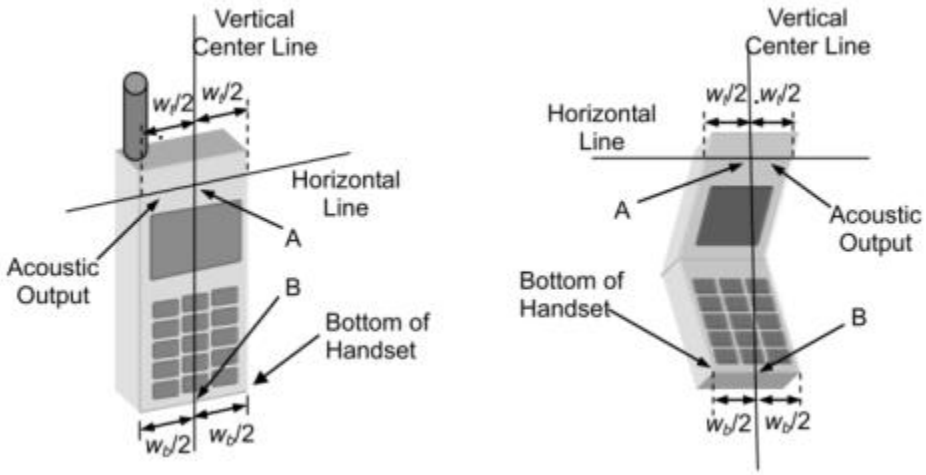
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

(a) The vertical center line passes through two points on the front side of the handset - the midpoint of the width w t of the handset at the level of the acoustic output, and the midpoint of the width w b of the bottom of the handset.

(b) The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.

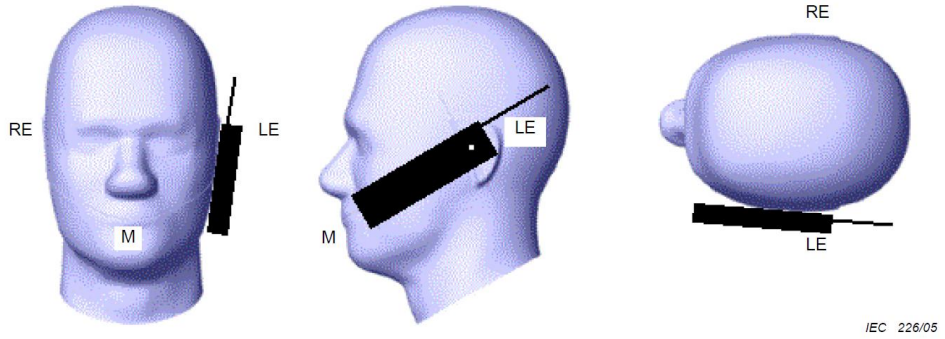
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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



6.1.2 Cheek Position

(a) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.

(b) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.



6.1.3 Tilted Position

(a) To position the device in the “cheek” position described above.

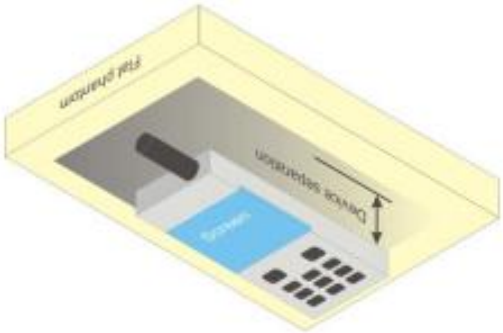
(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

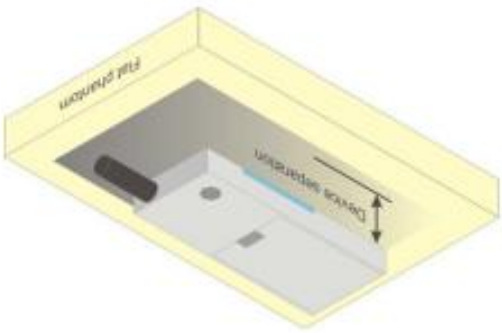
6.2 Body-worn Position Conditions

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

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

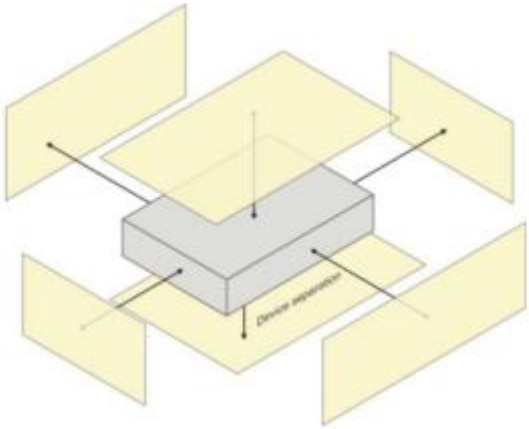
Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice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





6.3 Hotspot Mode Exposure Position Conditions

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



6.4 Product Specific 10g Exposure Consideration

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

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

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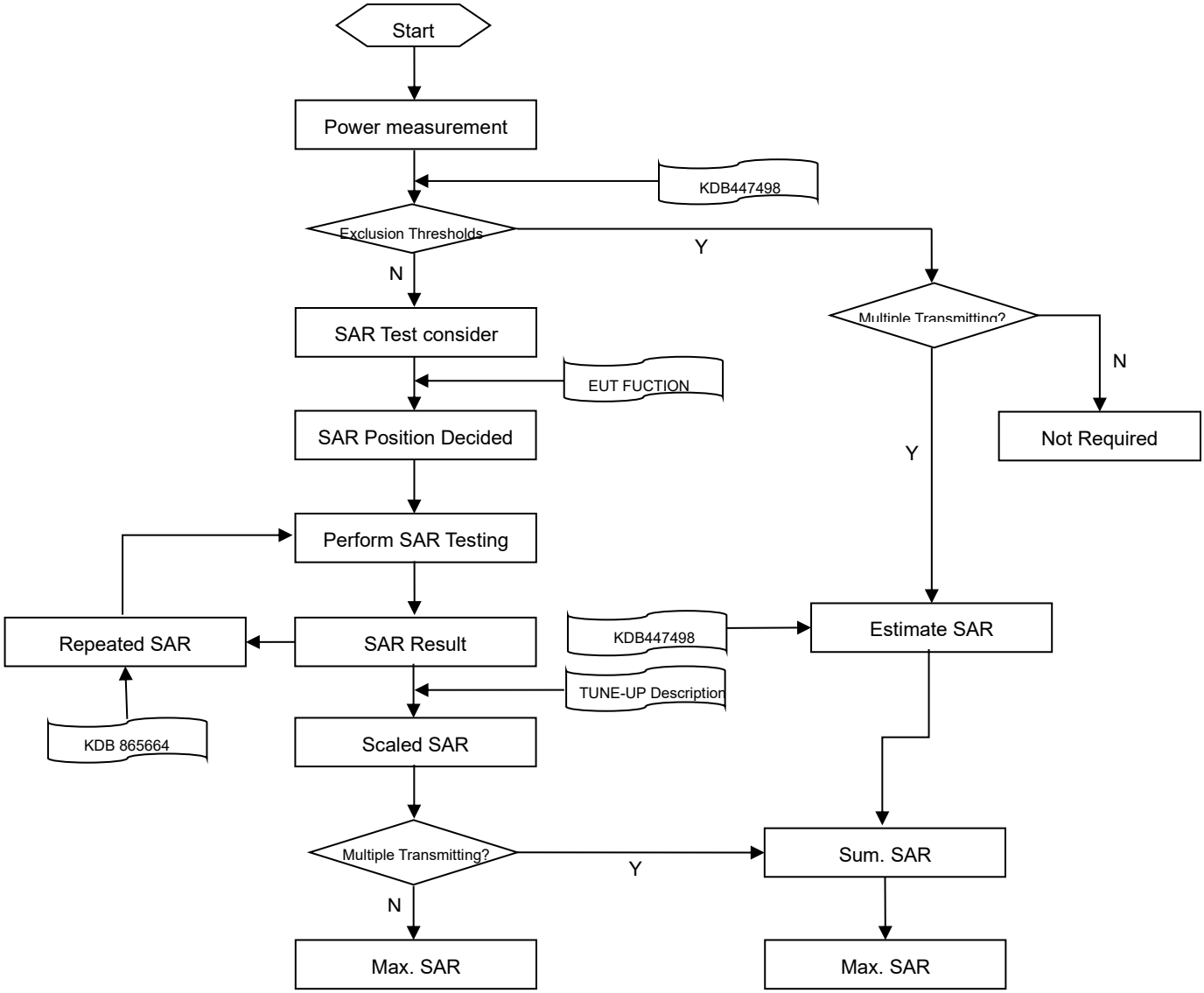
7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

<table>
<tr><th colspan="3"></th><th>≤3GHz</th><th>>3GHz</th></tr>
<tr><td colspan="3">Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface</td><td>5±1 mm</td><td>½·δ·ln(2)±0.5 mm</td></tr>
<tr><td colspan="3">Maximum probe angle from probe axis to phantom surface normal at the measurement location</td><td>30°±1°</td><td>20°±1°</td></tr>
<tr><td colspan="3" rowspan="2">Maximum area scan spatial resolution: Δx Area , Δy Area</td><td>≤ 2 GHz: ≤ 15 mm
2 – 3 GHz: ≤ 12 mm</td><td>3–4 GHz: ≤ 12 mm
4 – 6 GHz: ≤ 10 mm</td></tr>
<tr><td colspan="2">When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.</td></tr>
<tr><td colspan="3">Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom</td><td>≤ 2 GHz: ≤ 8 mm
2 –3 GHz: ≤ 5 mm*</td><td>3–4 GHz: ≤ 5 mm*
4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="6">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2" rowspan="3">uniform grid: Δz Zoom (n)</td><td rowspan="3">≤ 5 mm</td><td>3–4 GHz: ≤ 4 mm</td></tr>
<tr><td>4–5 GHz: ≤ 3 mm</td></tr>
<tr><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td rowspan="3">graded grid</td><td rowspan="2">Δz Zoom (1): between 1st two points closest to phantom surface</td><td rowspan="2">≤ 4 mm</td><td>3–4 GHz: ≤ 3 mm</td></tr>
<tr><td>4–5 GHz: ≤ 2.5 mm</td></tr>
<tr><td>Δz Zoom (1): between 1st two points closest to phantom surface</td><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td>Δz Zoom (n>1): between subsequent points</td><td colspan="2">≤ 1.5·Δz Zoom (n-1)</td></tr>
<tr><td rowspan="3">Minimum zoom scan volume</td><td colspan="2" rowspan="3">x, y, z</td><td rowspan="3">≥30 mm</td><td>3–4 GHz: ≥ 28 mm</td></tr>
<tr><td>4–5 GHz: ≥ 25 mm</td></tr>
<tr><td>5–6 GHz: ≥ 22 mm</td></tr>
</table>

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

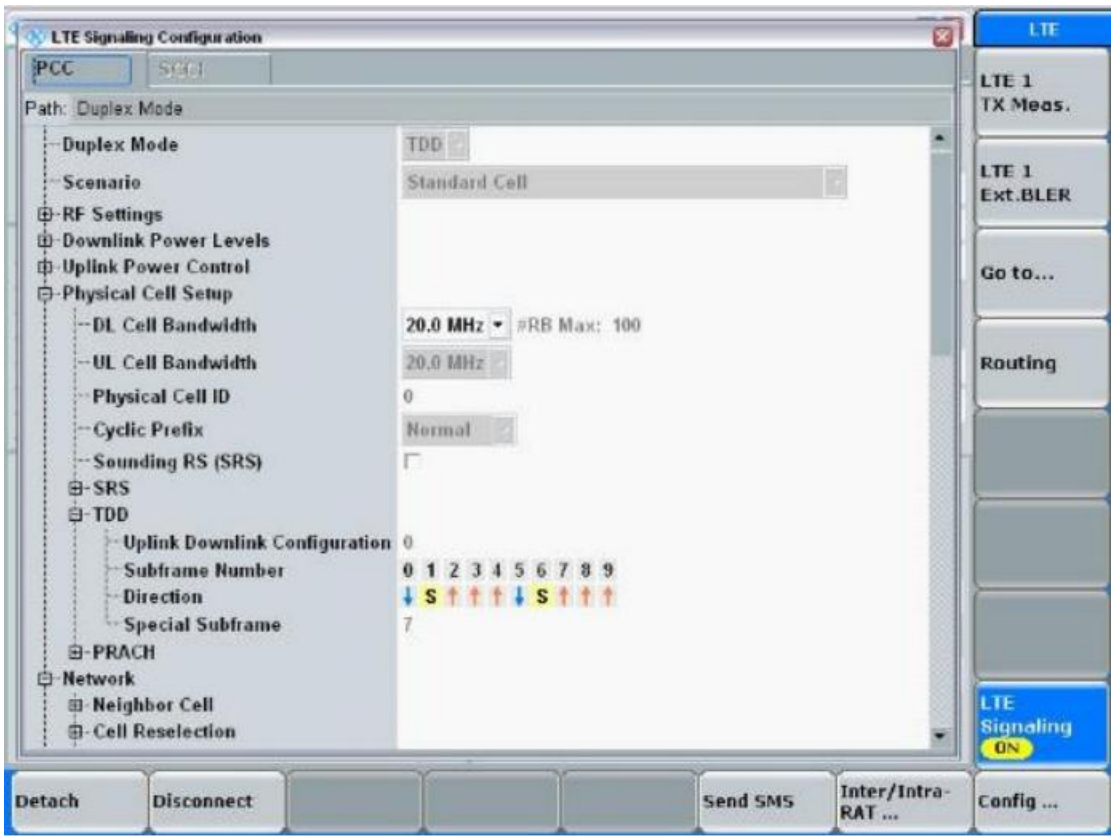
a. Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
c. Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
d. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 *32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

7.4 Area & Zoom Scan Procedure

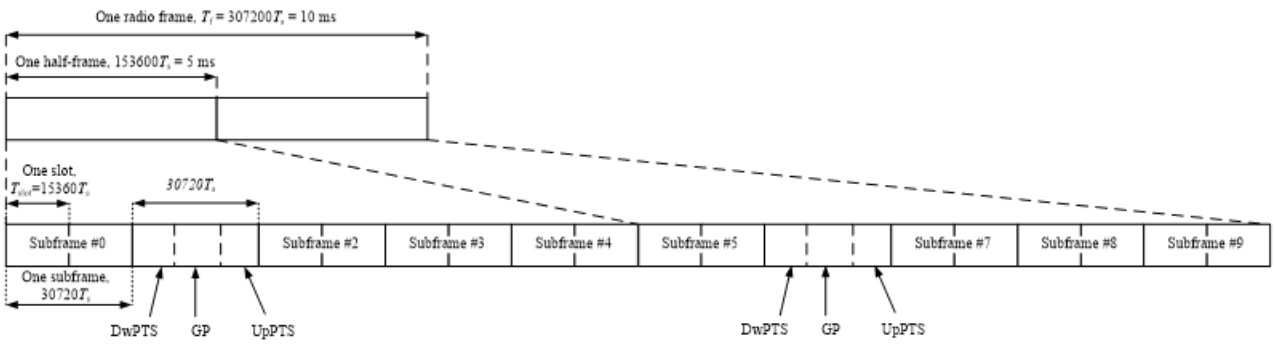
First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan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

7.5 LTE (TDD) Considerations

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



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



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

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

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

Special sub-frame configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
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	$26336 \cdot T_s$			$7680 \cdot T_s$	$2560 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$		
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.Ts/30720.Ts*1ms=0.167ms

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

8 CONDUCTED RF OUPUT POWER

8.1 GSM

Please refer the document “BL-SZ2520364-AP Power List.pdf”.

8.2 WCDMA

Please refer the document “BL-SZ2520364-AP Power List.pdf”.

8.3 LTE

Please refer the document “BL-SZ2520364-AP Power List.pdf”.

8.4 WIFI

8.4.1 2.4G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.412~2.462)	802.11b	1	2412	17.93	19.00	No
		6	2437	18.08	19.00	Yes
		11	2462	18.06	19.00	No
	802.11g	1	2412	15.57	16.50	No
		6	2437	15.57	16.50	No
		11	2462	15.61	16.50	No
	802.11n(HT20)	1	2412	14.47	15.50	No
		6	2437	14.54	15.50	No
		11	2462	14.57	15.50	No
	802.11n(HT40)	3	2422	15.61	16.50	No
		6	2437	15.74	16.50	No
		9	2452	15.72	16.50	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 = 0.565 * (44.67mW/79.43mW) = 0.318 W/Kg, so 2.4G OFDM SAR test is not required.

8.4.2 5G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.90	15.00	Yes
		44	5220	13.62	14.50	No
		48	5240	13.53	14.50	No
	802.11n(HT20)	36	5180	13.84	15.00	No
		44	5220	13.85	15.00	No
		48	5240	13.63	14.50	No
	802.11n(HT40)	38	5190	11.99	13.00	No
		46	5230	11.68	12.50	No
	802.11ac(VHT20)	36	5180	12.16	13.00	No
		44	5220	11.90	13.00	No
		48	5240	11.38	12.50	No
	802.11ac(VHT40)	38	5190	11.93	13.00	No
		46	5230	11.55	12.50	No
	802.11ac(VHT80)	42	5210	11.56	12.50	No
5.3 (5.25~5.35)	802.11a	52	5260	14.75	15.50	Yes
		60	5300	14.51	15.50	No
		64	5320	14.62	15.50	No
	802.11n(HT20)	52	5260	14.69	15.50	No
		60	5300	14.47	15.50	No
		64	5320	14.46	15.50	No
	802.11n(HT40)	54	5270	13.32	14.50	No
		62	5310	13.17	14.00	No
	802.11ac(VHT20)	52	5260	13.46	14.50	No
		60	5300	13.44	14.50	No
		64	5320	13.51	14.50	No
	802.11ac(VHT40)	54	5270	13.42	14.50	No
		62	5310	13.31	14.50	No
	802.11ac(VHT80)	58	5290	13.15	14.00	No
5.6 (5.47~5.725)	802.11a	100	5500	13.31	14.50	No
		116	5580	13.59	14.50	No
		140	5700	14.49	15.50	Yes
	802.11n(HT20)	100	5500	13.13	14.00	No
		116	5580	13.47	14.50	No
		140	5700	14.11	15.00	No
	802.11n(HT40)	102	5510	12.02	13.00	No

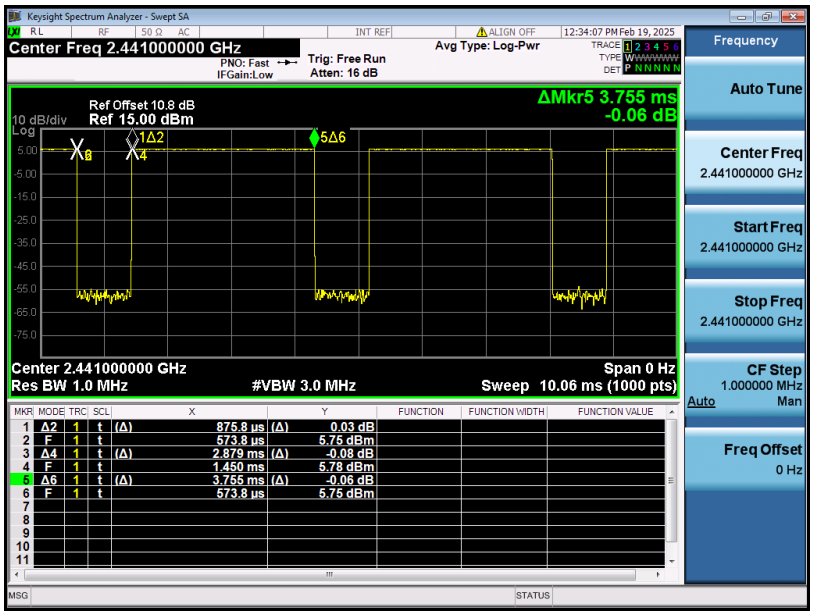
		118	5590	12.34	13.50	No
		134	5670	12.97	14.00	No
	802.11ac(VHT20)	100	5500	12.72	13.50	No
		116	5580	13.03	14.00	No
		140	5700	13.55	14.50	No
	802.11ac(VHT40)	102	5510	12.04	13.00	No
		118	5590	12.21	13.00	No
		134	5670	12.85	14.00	No
	802.11ac(VHT80)	106	5530	12.01	13.00	No
		122	5690	12.22	13.00	No
5.8 (5.725~5.850)	802.11a	149	5745	13.29	14.50	No
		157	5785	13.44	14.50	Yes
		165	5825	13.26	14.50	No
	802.11n(HT20)	149	5745	13.13	14.00	No
		157	5785	13.26	14.50	No
		165	5825	13.17	14.00	No
	802.11n(HT40)	151	5755	12.02	13.00	No
		159	5795	12.04	13.00	No
	802.11ac(VHT20)	149	5745	12.11	13.00	No
		157	5785	12.10	13.00	No
		165	5825	12.13	13.00	No
	802.11ac(VHT40)	151	5755	12.01	13.00	No
		159	5795	11.92	13.00	No
	802.11ac(VHT80)	155	5775	11.86	13.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.5 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	5.11	5.64	6.13	1.65	2.48	2.89
Tune-Up Limit (dBm)	6.00	6.50	7.00	2.50	3.50	4.00
SAR Test Require	NO	NO	YES	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	1.58	2.44	3.02	/	/	/
Tune-Up Limit (dBm)	2.50	3.50	4.00	/		
SAR Test Require	NO	NO	NO	NO	NO	NO
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	1	19	38
Frequency (MHz)	2402	2440	2480	2404	2440	2478
Conducted Power (dBm)	-3.33	-2.53	-1.89	-2.44	-1.93	-3.18
Tune-Up Limit (dBm)	-2.50	-1.50	-1.00	-1.50	-1.00	-2.00
SAR Test Require	NO	NO	NO	NO	NO	NO
Note 1: Since Bluetooth BR mode is the maximum output power mode，SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode.						

Note: The Bluetooth duty cycle is 76.68 % 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



9 TEST EXCLUSION CONSIDERATION

For antenna location and support bands please refer the document “BL-SZ2520364-AI EUT internal photo.pdf”.

Antenna	Support Bands
Main	GSM 850/1900 WCDMA Band 2/4/5 LTE Band 2/4/5/7/12/17/66/71/41
WLAN/BT	2.4G/5G WLAN Bluetooth

Antenna	Front Side(mm)	Back Side(mm)	Left Edge(mm)	Right Edge(mm)	Top Edge(mm)	Bottom Edge(mm)
Main	<25	<25	<25	<25	>25	<25
WLAN/BT	<25	<25	>25	<25	<25	>25

Note: 1. Per KDB 941225 DO6, When the overall length and width of a device is > 9 cm *5 cm, a test separation distance of 10 mm is required for hotspot mode SAR measurements and hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.

10 TEST RESULT

10.1 GSM 850

Test Position	Dist.	Test Mode	Test Channel	Test Freq.(MHz)	Power Drift(dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head											
Left cheek	0mm	GPRS 2TX	190	836.6	-0.15	0.840	31.76	32.50	1.186	0.996	/
Left tilt			190	836.6	-0.04	0.462	31.76	32.50	1.186	0.548	/
Right cheek			190	836.6	0.12	0.669	31.76	32.50	1.186	0.793	/
Right tilt			190	836.6	0.19	0.452	31.76	32.50	1.186	0.536	/
Left cheek			128	824.2	-0.08	0.835	31.69	32.50	1.205	1.006	/
Left cheek			251	848.8	-0.04	0.858	31.74	32.50	1.191	**1.022**	**1**
Left cheek			251	848.8	-0.04	0.855	31.74	32.50	1.191	1.019	repeat
Body-worn& Hotspot											
Front side	10mm	GPRS 2TX	190	836.6	-0.13	0.421	31.76	32.50	1.186	0.499	/
Back side			190	836.6	0.18	0.679	31.76	32.50	1.186	0.805	/
Left side			190	836.6	-0.14	0.392	31.76	32.50	1.186	0.465	/
Right side			190	836.6	0.05	0.161	31.76	32.50	1.186	0.191	/
Bottom side			190	836.6	-0.02	0.278	31.76	32.50	1.186	0.330	/
Back side			128	824.2	0.02	0.648	31.69	32.50	1.205	0.781	/
Back side			251	848.8	-0.07	0.681	31.74	32.50	1.191	**0.811**	**2**
Note: Refer to ANNEX C for the detailed test data for each test configuration.											

10.2 GSM 1900

Test Position	Dist.	Test Mode	Test Channel	Test Freq.(MHz)	Power Drift(dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head											
Left cheek	0mm	GPRS 2TX	661	1880	-0.08	0.201	29.18	29.50	1.076	0.216	/
Left tilt			661	1880	0.04	0.107	29.18	29.50	1.076	0.115	/
Right cheek			661	1880	0.06	0.209	29.18	29.50	1.076	**0.225**	**3**
Right tilt			661	1880	0.13	0.132	29.18	29.50	1.076	0.142	/
Body-worn& Hotspot											
Front side	10mm	GPRS 2TX	661	1880	-0.15	0.554	29.18	29.50	1.076	0.596	/
Back side			661	1880	0.03	0.838	29.18	29.50	1.076	0.902	/
Back side			661	1880	-0.07	0.819	29.18	29.50	1.076	0.882	repeat
Back side			512	1850.2	0.11	0.810	28.93	29.50	1.140	0.924	/
Back side			810	1909.8	0.03	0.673	29.13	29.50	1.089	0.733	/
Left side			661	1880	0.18	0.088	29.18	29.50	1.076	0.095	/
Right side			661	1880	-0.01	0.201	29.18	29.50	1.076	0.216	/
Bottom side			661	1880	0.12	1.030	29.18	29.50	1.076	1.109	/
Bottom side			512	1850.2	-0.04	1.210	29.03	29.50	1.114	**1.348**	**4**
Bottom side			512	1850.2	0.12	1.160	29.03	29.50	1.114	1.293	repeat
Bottom side			810	1909.8	0.07	0.799	29.13	29.50	1.089	0.870	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.											

Test Position	Dist.	Test Mode	Test Channel	Test Freq.(MHz)	Power Drift(dB)	10g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Extremity											
Bottom side	0mm	GPRS 2TX	661	1880	-0.10	2.490	29.18	29.50	1.076	2.680	/
Bottom side			512	1850.2	0.11	2.640	28.93	29.50	1.140	**3.010**	**5**
Bottom side			512	1850.2	-0.18	2.600	28.93	29.50	1.140	2.965	repeat
Bottom side			810	1909.8	-0.16	2.220	29.13	29.50	1.089	2.417	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.											

10.3WCDMA Band 2

Test Position	Dist.	Test Mode	Test Channel	Test Freq.(MHz)	Power Drift(dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head											
Left cheek	0mm	RMC	9400	1880	0.04	0.144	23.32	24.00	1.169	0.168	/
Left tilt			9400	1880	-0.05	0.071	23.32	24.00	1.169	0.083	/
Right cheek			9400	1880	0.13	0.148	23.32	24.00	1.169	**0.173**	**6**
Right tilt			9400	1880	-0.09	0.094	23.32	24.00	1.169	0.110	/
Body-worn& Hotspot											
Front side	10mm	RMC	9400	1880	0.03	0.482	23.32	24.00	1.169	0.564	/
Back side			9400	1880	-0.19	0.756	23.32	24.00	1.169	0.884	/
Back side			9262	1852.4	0.19	0.782	23.30	24.00	1.175	0.919	/
Back side			9538	1907.6	0.07	0.681	23.21	24.00	1.199	0.817	/
Left side			9400	1880	0.16	0.088	23.32	24.00	1.169	0.103	/
Right side			9400	1880	0.07	0.204	23.32	24.00	1.169	0.239	/
Bottom side			9400	1880	-0.05	1.020	23.32	24.00	1.169	1.193	/
Bottom side			9262	1852.4	-0.01	1.040	23.30	24.00	1.175	**1.222**	**7**
Bottom side			9262	1852.4	0.08	1.030	23.30	24.00	1.175	1.210	repeat
Bottom side			9538	1907.6	0.14	0.937	23.21	24.00	1.199	1.124	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.											

Test Position	Dist.	Test Mode	Test Channel	Test Freq.(MHz)	Power Drift(dB)	10g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Extremity											
Bottom side	0mm	RMC	9400	1880	-0.13	2.560	23.32	24.00	1.169	**2.994**	**8**
Bottom side			9400	1880	-0.05	2.51	23.32	24.00	1.169	2.935	repeat
Bottom side			9262	1852.4	0.07	2.540	23.30	24.00	1.175	2.984	/
Bottom side			9538	1907.6	-0.14	2.370	23.21	24.00	1.199	2.843	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.											

10.4WCDMA Band 4

Test Position	Dist.	Test Mode	Test Channel	Test Freq.(MHz)	Power Drift(dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head											
Left cheek	0mm	RMC	1412	1732.4	0.07	0.072	23.23	24.00	1.194	0.086	/
Left tilt			1412	1732.4	-0.13	0.065	23.23	24.00	1.194	0.078	/
Right cheek			1412	1732.4	0.06	0.103	23.23	24.00	1.194	**0.123**	**9**
Right tilt			1412	1732.4	0.05	0.071	23.23	24.00	1.194	0.085	/
Body-worn& Hotspot											
Front side	10mm	RMC	1412	1732.4	0.16	0.426	23.23	24.00	1.194	0.509	/
Back side			1412	1732.4	0.02	0.839	23.23	24.00	1.194	1.002	/
Back side			1312	1732.4	0.19	0.771	23.17	24.00	1.211	0.933	/
Back side			1513	1712.4	0.08	0.865	23.21	24.00	1.199	1.038	/
Back side			1513	1712.4	0.07	0.863	23.21	24.00	1.199	1.035	repeat
Left side			1412	1732.4	0.13	0.064	23.23	24.00	1.194	0.076	/
Right side			1412	1732.4	-0.06	0.138	23.23	24.00	1.194	0.165	/
Bottom side			1412	1732.4	-0.08	0.844	23.23	24.00	1.194	1.008	/
Bottom side			1312	1712.4	0.11	0.801	23.17	24.00	1.211	0.970	/
Bottom side			1513	1752.6	0.11	0.871	23.21	24.00	1.199	**1.045**	**10**
Bottom side			1513	1752.6	0.17	0.860	23.21	24.00	1.199	1.032	repeat
Note: Refer to ANNEX C for the detailed test data for each test configuration.											

10.5WCDMA Band 5

Test Position	Dist.	Test Mode	Test Channel	Test Freq.(MHz)	Power Drift(dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head											
Left cheek	0mm	RMC	4183	836.6	0.10	0.501	23.05	24.00	1.245	**0.624**	**11**
Left tilt			4183	836.6	-0.13	0.282	23.05	24.00	1.245	0.351	/
Right cheek			4183	836.6	-0.08	0.357	23.05	24.00	1.245	0.444	/
Right tilt			4183	836.6	0.12	0.254	23.05	24.00	1.245	0.316	/
Body-worn& Hotspot											
Front side	10mm	RMC	4183	836.6	0.09	0.362	23.05	24.00	1.245	0.451	/
Back side			4183	836.6	0.01	0.509	23.05	24.00	1.245	**0.633**	**12**
Left side			4183	836.6	0.16	0.360	23.05	24.00	1.245	0.448	/
Right side			4183	836.6	0.09	0.207	23.05	24.00	1.245	0.258	/
Bottom side			4183	836.6	-0.05	0.242	23.05	24.00	1.245	0.301	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.											

10.6 LTE Band 2 (20MHz Bandwidth)

Test Position	Dist.	Test Mode	Test Channel	Test Freq.(MHz)	RB num.	RB Start	Power Drift(dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Left cheek	0mm	QPSK	18900	1880	1	49	0.02	0.139	23.14	24.00	1.219	0.169	/
Left tilt			18900	1880	1	49	-0.17	0.074	23.14	24.00	1.219	0.090	/
Right cheek			18900	1880	1	49	0.11	0.151	23.14	24.00	1.219	**0.184**	**13**
Right tilt			18900	1880	1	49	0.05	0.094	23.14	24.00	1.219	0.115	/
Left cheek			18900	1880	50	0	0.17	0.128	22.03	23.00	1.250	0.160	/
Left tilt			18900	1880	50	0	0.05	0.064	22.03	23.00	1.250	0.080	/
Right cheek			18900	1880	50	0	0.10	0.132	22.03	23.00	1.250	0.165	/
Right tilt			18900	1880	50	0	0.02	0.085	22.03	23.00	1.250	0.106	/
Body-worn& Hotspot													
Front side	10mm	QPSK	18900	1880	1	49	0.03	0.431	23.14	24.00	1.219	0.525	/
Back side			18900	1880	1	49	-0.09	0.680	23.14	24.00	1.219	0.829	/
Back side			18700	1860	1	49	-0.17	0.770	23.10	24.00	1.230	0.947	/
Back side			19100	1900	1	49	0.02	0.633	23.07	24.00	1.239	0.784	/
Left side			18900	1880	1	49	0.01	0.075	23.14	24.00	1.219	0.091	/
Right side			18900	1880	1	49	0.08	0.179	23.14	24.00	1.219	0.218	/
Bottom side			18900	1880	1	49	0.12	0.932	23.14	24.00	1.219	1.136	/
Bottom side			18700	1860	1	49	0.05	1.030	23.10	24.00	1.230	**1.267**	**14**
Bottom side			18700	1860	1	49	-0.12	0.986	23.10	24.00	1.230	1.213	repeat
Bottom side			19100	1900	1	49	0.06	0.873	23.07	24.00	1.239	1.081	/
Front side			18900	1880	50	0	0.14	0.401	22.03	23.00	1.250	0.501	/
Back side			18900	1880	50	0	-0.02	0.622	22.03	23.00	1.250	0.778	/
Left side			18900	1880	50	0	-0.03	0.070	22.03	23.00	1.250	0.088	/
Right side			18900	1880	50	0	-0.13	0.163	22.03	23.00	1.250	0.204	/
Bottom side			18900	1880	50	0	0.10	0.852	22.03	23.00	1.250	1.065	/
Bottom side			18700	1860	50	0	0.12	0.776	21.94	23.00	1.276	0.991	/
Bottom side			19100	1900	50	0	0.09	0.744	21.80	23.00	1.318	0.981	/
Back side			18700	1880	100	0	0.08	0.668	22.01	23.00	1.256	0.839	/
Bottom side			18700	1880	100	0	-0.16	0.833	22.01	23.00	1.256	1.046	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

Test Position	Dist.	Test Mode	Test Channel	Test Freq (MHz)	RB num.	RB Start	Power Drift(dB)	10g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Extremity													
Bottom side	0mm	QPSK	18900	1880	1	49	-0.15	2.470	23.14	24.00	1.219	3.011	/
Bottom side			18700	1860	1	49	0.09	2.720	23.10	24.00	1.230	**3.346**	**15**
Bottom side			18700	1860	1	49	-0.11	2.58	23.10	24.00	1.230	3.174	repeat
Bottom side			19100	1900	1	49	0.08	2.390	23.07	24.00	1.239	2.961	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.7 LTE Band 5 (10MHz Bandwidth)

Test Position	Dist.	Test Mode	Test Channel	Test Freq.(MHz)	RB num.	RB Start	Power Drift(dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Left cheek	0mm	QPSK	20525	836.5	1	25	0.14	0.477	23.16	24.00	1.213	**0.579**	**16**
Left tilt			20525	836.5	1	25	0.09	0.265	23.16	24.00	1.213	0.322	/
Right cheek			20525	836.5	1	25	-0.16	0.350	23.16	24.00	1.213	0.425	/
Right tilt			20525	836.5	1	25	-0.09	0.231	23.16	24.00	1.213	0.280	/
Left cheek			20525	836.5	25	0	0.04	0.408	22.03	23.00	1.250	0.510	/
Left tilt			20525	836.5	25	0	-0.05	0.225	22.03	23.00	1.250	0.281	/
Right cheek			20525	836.5	25	0	-0.19	0.296	22.03	23.00	1.250	0.370	/
Right tilt			20525	836.5	25	0	-0.14	0.183	22.03	23.00	1.250	0.229	/
Body-worn& Hotspot													
Front side	10mm	QPSK	20525	836.5	1	0	-0.02	0.332	23.16	24.00	1.213	0.403	/
Back side			20525	836.5	1	0	-0.03	0.427	23.16	24.00	1.213	**0.518**	**17**
Left side			20525	836.5	1	0	-0.07	0.316	23.16	24.00	1.213	0.383	/
Right side			20525	836.5	1	0	-0.12	0.187	23.16	24.00	1.213	0.227	/
Bottom side			20525	836.5	1	0	0.06	0.240	23.16	24.00	1.213	0.291	/
Front side			20525	836.5	25	0	-0.16	0.275	22.03	23.00	1.250	0.344	/
Back side			20525	836.5	25	0	-0.06	0.381	22.03	23.00	1.250	0.476	/
Left side			20525	836.5	25	0	0.11	0.255	22.03	23.00	1.250	0.319	/
Right side			20525	836.5	25	0	0.06	0.148	22.03	23.00	1.250	0.185	/
Bottom side			20525	836.5	25	0	0.12	0.191	22.03	23.00	1.250	0.239	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.8 LTE Band 7 (20MHz Bandwidth)

Test Position	Dist.	Test Mode	Test Channel	Test Freq.(MHz)	RB num.	RB Start	Power Drift(dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Left cheek	0mm	QPSK	21100	2535	1	49	0.02	0.251	23.41	24.00	1.146	0.288	/
Left tilt			21100	2535	1	49	-0.09	0.121	23.41	24.00	1.146	0.139	/
Right cheek			21100	2535	1	49	0.11	0.271	23.41	24.00	1.146	**0.310**	**18**
Right tilt			21100	2535	1	49	-0.14	0.111	23.41	24.00	1.146	0.127	/
Left cheek			21100	2535	50	24	-0.07	0.222	22.22	23.00	1.197	0.266	/
Left tilt			21100	2535	50	24	0.12	0.111	22.22	23.00	1.197	0.133	/
Right cheek			21100	2535	50	24	0.11	0.234	22.22	23.00	1.197	0.280	/
Right tilt			21100	2535	50	24	0.07	0.096	22.22	23.00	1.197	0.115	/
Body-worn& Hotspot													
Front side	10mm	QPSK	21100	2535	1	49	-0.18	0.441	23.41	24.00	1.146	0.505	/
Back side			21100	2535	1	49	-0.13	0.759	23.41	24.00	1.146	0.869	/
Back side			20850	2510	1	49	0.05	0.639	23.31	24.00	1.172	0.749	/
Back side			21350	2560	1	49	0.07	0.775	23.34	24.00	1.164	0.902	/
Left side			21100	2535	1	49	0.06	0.259	23.41	24.00	1.146	0.297	/
Right side			21100	2535	1	49	0.16	0.372	23.41	24.00	1.146	0.426	/
Bottom side			21100	2535	1	49	-0.07	0.925	23.41	24.00	1.146	1.060	/
Bottom side			20850	2510	1	49	-0.05	0.810	23.31	24.00	1.172	0.949	/
Bottom side			21350	2560	1	49	0.10	0.941	23.34	24.00	1.164	**1.095**	**19**
Bottom side			21350	2560	1	49	-0.04	0.926	23.34	24.00	1.164	1.078	repeat
Front side			21100	2535	50	24	0.15	0.385	22.22	23.00	1.197	0.461	/
Back side			21100	2535	50	24	0.07	0.653	22.22	23.00	1.197	0.781	/
Left side			21100	2535	50	24	-0.02	0.240	22.22	23.00	1.197	0.287	/
Right side			21100	2535	50	24	-0.10	0.348	22.22	23.00	1.197	0.416	/
Bottom side			21100	2535	50	24	0.10	0.833	22.22	23.00	1.197	0.997	/
Bottom side			20850	2510	50	24	0.17	0.672	22.08	23.00	1.236	0.831	/
Bottom side			21350	2560	50	24	-0.11	0.756	22.20	23.00	1.202	0.909	/
Back side			21100	2535	100	0	-0.11	0.623	22.20	23.00	1.202	0.749	/
Bottom side			21100	2535	100	0	0.01	0.821	22.20	23.00	1.202	0.987	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.9 LTE Band 12 (10MHz Bandwidth)

Test Position	Dist.	Test Mode	Test Channel	Test Freq.(MHz)	RB num.	RB Start	Power Drift(dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Left cheek	0mm	QPSK	23095	707.5	1	25	0.07	0.223	22.96	23.50	1.132	**0.253**	**20**
Left tilt			23095	707.5	1	25	0.13	0.116	22.96	23.50	1.132	0.131	/
Right cheek			23095	707.5	1	25	-0.06	0.185	22.96	23.50	1.132	0.209	/
Right tilt			23095	707.5	1	25	-0.11	0.116	22.96	23.50	1.132	0.131	/
Left cheek			23095	707.5	25	12	0.04	0.163	21.72	22.50	1.197	0.195	/
Left tilt			23095	707.5	25	12	0.04	0.091	21.72	22.50	1.197	0.109	/
Right cheek			23095	707.5	25	12	-0.17	0.144	21.72	22.50	1.197	0.172	/
Right tilt			23095	707.5	25	12	0.06	0.094	21.72	22.50	1.197	0.112	/
Body-worn& Hotspot													
Front side	10mm	QPSK	23095	707.5	1	25	0.14	0.238	22.96	24.00	1.271	0.302	/
Back side			23095	707.5	1	25	-0.05	0.393	22.96	24.00	1.271	**0.499**	**21**
Left side			23095	707.5	1	25	-0.10	0.245	22.96	24.00	1.271	0.311	/
Right side			23095	707.5	1	25	-0.06	0.179	22.96	24.00	1.271	0.227	/
Bottom side			23095	707.5	1	25	0.19	0.055	22.96	24.00	1.271	0.070	/
Front side			23095	707.5	25	12	0.16	0.175	21.72	22.50	1.197	0.209	/
Back side			23095	707.5	25	12	0.05	0.289	21.72	22.50	1.197	0.346	/
Left side			23095	707.5	25	12	0.12	0.188	21.72	22.50	1.197	0.225	/
Right side			23095	707.5	25	12	-0.12	0.145	21.72	22.50	1.197	0.174	/
Bottom side			23095	707.5	25	12	-0.11	0.043	21.72	22.50	1.197	0.051	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.10 LTE Band 66 (20MHz Bandwidth)

Test Position	Dist.	Test Mode	Test Channel	Test Freq.(MHz)	RB num.	RB Start	Power Drift(dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Left cheek	0mm	QPSK	132322	1745	1	49	-0.14	0.121	23.17	24.00	1.211	0.146	/
Left tilt			132322	1745	1	49	0.12	0.104	23.17	24.00	1.211	0.126	/
Right cheek			132322	1745	1	49	-0.04	0.141	23.17	24.00	1.211	**0.171**	**22**
Right tilt			132322	1745	1	49	0.05	0.104	23.17	24.00	1.211	0.126	/
Left cheek			132322	1745	50	0	0.07	0.108	21.86	23.00	1.300	0.140	/
Left tilt			132322	1745	50	0	0.18	0.085	21.86	23.00	1.300	0.111	/
Right cheek			132322	1745	50	0	-0.08	0.127	21.86	23.00	1.300	0.165	/
Right tilt			132322	1745	50	0	0.19	0.098	21.86	23.00	1.300	0.127	/
Body-worn& Hotspot													
Front side	10mm	QPSK	132322	1745	1	49	0.08	0.411	23.17	24.00	1.211	0.498	/
Back side			132322	1745	1	49	-0.09	0.814	23.17	24.00	1.211	0.985	/
Back side			132072	1720	1	49	-0.14	0.783	23.02	24.00	1.253	0.981	/
Back side			132572	1770	1	49	0.14	0.871	23.14	24.00	1.219	1.062	/
Back side			132572	1770	1	49	-0.15	0.865	23.14	24.00	1.219	1.054	repeat
Left side			132322	1745	1	49	-0.19	0.072	23.17	24.00	1.211	0.087	/
Right side			132322	1745	1	49	-0.09	0.134	23.17	24.00	1.211	0.162	/
Bottom side			132322	1745	1	49	0.05	0.926	23.17	24.00	1.211	1.121	/
Bottom side			132072	1720	1	49	-0.19	0.938	23.02	24.00	1.253	**1.175**	**23**
Bottom side			132072	1720	1	49	0.12	0.921	23.02	24.00	1.253	1.154	repeat
Bottom side			132572	1770	1	49	0.18	0.930	23.14	24.00	1.219	1.134	/
Front side			132322	1745	50	0	0.13	0.369	21.86	23.00	1.300	0.480	/
Back side			132322	1745	50	0	-0.06	0.744	21.86	23.00	1.300	0.967	/
Back side			132072	1720	50	0	-0.13	0.673	21.68	23.00	1.355	0.912	/
Back side			132572	1770	50	0	-0.13	0.757	21.85	23.00	1.303	0.986	/
Left side			132322	1745	50	0	-0.08	0.071	21.86	23.00	1.300	0.092	/
Right side			132322	1745	50	0	0.06	0.131	21.86	23.00	1.300	0.170	/
Bottom side			132322	1745	50	0	-0.04	0.797	21.86	23.00	1.300	1.036	/
Bottom side			132072	1720	50	0	0.09	0.785	21.68	23.00	1.355	1.064	/
Bottom side			132572	1770	50	0	0.19	0.808	21.85	23.00	1.303	1.053	/
Bottom side			132572	1770	50	0	-0.11	0.796	21.85	23.00	1.303	1.037	/
Back side			132322	1745	100	0	-0.12	0.719	21.89	23.00	1.291	0.928	/
Bottom side			132322	1745	100	0	0.03	0.796	21.89	23.00	1.291	1.028	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.11 LTE Band 71 (20MHz Bandwidth)

Test Position	Dist.	Test Mode	Test Channel	Test Freq.(MHz)	RB num.	RB Start	Power Drift(dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Left cheek	0mm	QPSK	133322	683	1	0	0.09	0.338	22.66	23.50	1.213	**0.410**	**24**
Left tilt			133322	683	1	0	-0.17	0.182	22.66	23.50	1.213	0.221	/
Right cheek			133322	683	1	0	0.02	0.263	22.66	23.50	1.213	0.319	/
Right tilt			133322	683	1	0	-0.13	0.183	22.66	23.50	1.213	0.222	/
Left cheek			133322	683	50	50	0.17	0.303	21.70	22.50	1.202	0.364	/
Left tilt			133322	683	50	50	-0.04	0.156	21.70	22.50	1.202	0.188	/
Right cheek			133322	683	50	50	0.02	0.234	21.70	22.50	1.202	0.281	/
Right tilt			133322	683	50	50	0.08	0.153	21.70	22.50	1.202	0.184	/
Body-worn& Hotspot													
Front side	10mm	QPSK	133322	683	1	0	0.10	0.253	22.66	23.50	1.213	0.307	/
Back side			133322	683	1	0	-0.02	0.449	22.66	23.50	1.213	**0.545**	**25**
Left side			133322	683	1	0	0.15	0.341	22.66	23.50	1.213	0.414	/
Right side			133322	683	1	0	0.01	0.238	22.66	23.50	1.213	0.289	/
Bottom side			133322	683	1	0	0.13	0.064	22.66	23.50	1.213	0.078	/
Front side			133322	683	50	50	-0.19	0.220	21.70	22.50	1.202	0.264	/
Back side			133322	683	50	50	-0.06	0.376	21.70	22.50	1.202	0.452	/
Left side			133322	683	50	50	0.15	0.225	21.70	22.50	1.202	0.271	/
Right side			133322	683	50	50	-0.06	0.201	21.70	22.50	1.202	0.242	/
Bottom side			133322	683	50	50	-0.05	0.058	21.70	22.50	1.202	0.070	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.12 LTE Band 41 (20MHz Bandwidth)

Test Position	Dist.	Test Mode	Test Channel	Test Freq.(MHz)	RB num.	RB Start	Power Drift(dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Left cheek	0mm	QPSK	40620	2593	1	49	0.03	0.117	23.42	24.00	1.143	**0.134**	**26**
Left tilt			40620	2593	1	49	-0.11	0.073	23.42	24.00	1.143	0.083	/
Right cheek			40620	2593	1	49	-0.11	0.109	23.42	24.00	1.143	0.125	/
Right tilt			40620	2593	1	49	-0.18	0.043	23.42	24.00	1.143	0.049	/
Left cheek			40620	2593	50	24	-0.07	0.096	22.27	23.00	1.183	0.114	/
Left tilt			40620	2593	50	24	-0.13	0.061	22.27	23.00	1.183	0.072	/
Right cheek			40620	2593	50	24	0.06	0.090	22.27	23.00	1.183	0.106	/
Right tilt			40620	2593	50	24	0.06	0.040	22.27	23.00	1.183	0.047	/
Body-worn& Hotspot													
Front side	10mm	QPSK	40620	2593	1	49	-0.19	0.274	23.42	24.00	1.143	0.313	/
Back side			40620	2593	1	49	-0.17	0.499	23.42	24.00	1.143	0.570	/
Left side			40620	2593	1	49	-0.17	0.180	23.42	24.00	1.143	0.206	/
Right side			40620	2593	1	49	-0.04	0.268	23.42	24.00	1.143	0.306	/
Bottom side			40620	2593	1	49	-0.01	0.574	23.42	24.00	1.143	**0.656**	**27**
Front side			40620	2593	50	24	0.18	0.218	22.27	23.00	1.183	0.258	/
Back side			40620	2593	50	24	-0.07	0.411	22.27	23.00	1.183	0.486	/
Left side			40620	2593	50	24	-0.11	0.151	22.27	23.00	1.183	0.179	/
Right side			40620	2593	50	24	-0.16	0.202	22.27	23.00	1.183	0.239	/
Bottom side			40620	2593	50	24	-0.08	0.475	22.27	23.00	1.183	0.562	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.13 WIFI 2.4GHz

Test Position	Dist.	Test Mode	Test Channel	Test Freq.(MHz)	Power Drift(dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Left cheek	0mm	802.11b	6	2437	-0.07	0.454	18.08	19.00	1.236	99.32	1.007	**0.565**	**28**
Left tilt			6	2437	-0.03	0.297	18.08	19.00	1.236	99.32	1.007	0.370	/
Right cheek			6	2437	-0.06	0.395	18.08	19.00	1.236	99.32	1.007	0.492	/
Right tilt			6	2437	-0.09	0.310	18.08	19.00	1.236	99.32	1.007	0.386	/
Body-worn& Hotspot													
Front side	10mm	802.11b	6	2437	0.04	0.099	18.08	19.00	1.236	99.32	1.007	0.123	/
Back side			6	2437	-0.03	0.177	18.08	19.00	1.236	99.32	1.007	**0.220**	**29**
Right side			6	2437	-0.10	0.065	18.08	19.00	1.236	99.32	1.007	0.081	
Top side			6	2437	-0.16	0.121	18.08	19.00	1.236	99.32	1.007	0.151	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.14 WIFI 5GHz

Band	Test Position	Dist.	Test Mode	Test Channel	Test Freq. (MHz)	Power Drift (dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
5.3G	Left cheek	0mm	802.11a	52	5260	0.07	0.085	14.75	15.50	1.189	96.87	1.032	**0.104**	**30**
	Left tilt			52	5260	-0.07	0.069	14.75	15.50	1.189	96.87	1.032	0.085	/
	Right cheek			52	5260	0.08	0.053	14.75	15.50	1.189	96.87	1.032	0.065	/
	Right tilt			52	5260	-0.07	0.071	14.75	15.50	1.189	96.87	1.032	0.087	/
5.6G	Left cheek	0mm	802.11a	140	5700	0.06	0.255	14.49	15.50	1.262	96.87	1.032	**0.332**	**31**
	Left tilt			140	5700	0.05	0.246	14.49	15.50	1.262	96.87	1.032	0.320	/
	Right cheek			140	5700	-0.14	0.201	14.49	15.50	1.262	96.87	1.032	0.262	/
	Right tilt			140	5700	-0.19	0.218	14.49	15.50	1.262	96.87	1.032	0.284	/
5.8G	Left cheek	0mm	802.11a	157	5785	-0.10	0.224	13.44	14.50	1.276	96.87	1.032	**0.295**	**32**
	Left tilt			157	5785	-0.18	0.183	13.44	14.50	1.276	96.87	1.032	0.241	/
	Right cheek			157	5785	-0.08	0.152	13.44	14.50	1.276	96.87	1.032	0.200	/
	Right tilt			157	5785	-0.09	0.153	13.44	14.50	1.276	96.87	1.032	0.202	/
Body worn														
5.3G	Front side	10mm	802.11a	52	5260	0.10	0.048	14.75	15.50	1.189	96.87	1.032	0.059	/
	Back side			52	5260	0.19	0.108	14.75	15.50	1.189	96.87	1.032	**0.133**	**33**
5.6G	Front side	10mm	802.11a	140	5700	0.04	0.066	14.49	15.50	1.262	96.87	1.032	0.086	/
	Back side			140	5700	-0.07	0.112	14.49	15.50	1.262	96.87	1.032	**0.146**	**34**
5.8G	Front side	10mm	802.11a	157	5785	-0.13	0.092	13.44	14.50	1.276	96.87	1.032	0.121	/
	Back side			157	5785	-0.15	0.116	13.44	14.50	1.276	96.87	1.032	**0.153**	**35**
Hotspot														
5.2G	Front side	10mm	802.11a	36	5180	-0.01	0.055	13.90	15.00	1.288	96.87	1.032	0.073	/
	Back side			36	5180	0.17	0.094	13.90	15.00	1.288	96.87	1.032	**0.125**	**36**
	Right side			36	5180	0.07	0.068	13.90	15.00	1.288	96.87	1.032	0.090	/
	Top side			36	5180	0.15	0.062	13.90	15.00	1.288	96.87	1.032	0.082	/
5.8G	Front side	10mm	802.11a	157	5785	-0.13	0.092	13.44	14.50	1.276	96.87	1.032	0.121	/
	Back side			157	5785	-0.15	0.116	13.44	14.50	1.276	96.87	1.032	0.153	/
	Right side			157	5785	-0.08	0.173	13.44	14.50	1.276	96.87	1.032	**0.228**	**37**
	Top side			157	5785	0.11	0.144	13.44	14.50	1.276	96.87	1.032	0.190	/

Band	Test Position	Dist.	Test Mode	Test Channel	Test Freq. (MHz)	Power Drift (dB)	10g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	10g Scaled SAR (W/kg)	Meas. No.
Extremity														
5.3G	Front side	0mm	802.11a	52	5260	0.04	0.085	14.75	15.50	1.189	96.87	1.032	0.104	/
	Back side			52	5260	0.03	0.097	14.75	15.50	1.189	96.87	1.032	0.119	/
	Right side			52	5260	0.05	0.164	14.75	15.50	1.189	96.87	1.032	0.201	/
	Top side			52	5260	-0.09	0.220	14.75	15.50	1.189	96.87	1.032	**0.270**	**38**
5.6G	Front side	0mm	802.11a	140	5700	0.17	0.124	14.49	15.50	1.262	96.87	1.032	0.162	/
	Back side			140	5700	0.13	0.149	14.49	15.50	1.262	96.87	1.032	0.194	/
	Right side			140	5700	-0.12	0.145	14.49	15.50	1.262	96.87	1.032	0.189	/
	Top side			140	5700	-0.19	0.323	14.49	15.50	1.262	96.87	1.032	**0.421**	**39**

10.15 Bluetooth

Test Position	Dist.	Test Mode	Test Channel	Test Freq.(MHz)	Power Drift(dB)	1g Meas. SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Left cheek	0mm	DH5	78	2480	0.11	0.052	6.13	7.00	1.259	76.68	1.304	**0.085**	**40**
Left tilt			78	2480	-0.12	0.010	6.13	7.00	1.259	76.68	1.304	0.016	/
Right cheek			78	2480	0.05	0.042	6.13	7.00	1.259	76.68	1.304	0.069	/
Right tilt			78	2480	0.03	0.011	6.13	7.00	1.259	76.68	1.304	0.018	/
Body-worn& Hotspot													
Front side	10mm	DH5	78	2480	0.07	0.010	6.13	7.00	1.259	76.68	1.304	0.016	/
Back side			78	2480	0.01	0.035	6.13	7.00	1.259	76.68	1.304	**0.057**	**41**
Right side			78	2480	-0.07	0.012	6.13	7.00	1.259	76.68	1.304	0.020	/
Top side			78	2480	0.05	0.023	6.13	7.00	1.259	76.68	1.304	0.038	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

11 SAR Measurement Variability

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

SAR repeated measurement procedure:

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

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated^{1th} Measured SAR (W/kg)	Largest to Smallest SAR Radio
1900	GSM 1900	Hotspot	Back side	0.838	Yes	0.819	1.02
1900	GSM 1900	Hotspot	Bottom side	1.21	Yes	1.16	1.04
1900	GSM 1900	Extremity	Bottom side	2.64	Yes	2.60	1.02
1900	WCDMA band 2	Hotspot	Bottom side	1.04	Yes	1.03	1.01
1900	WCDMA band 2	Extremity	Bottom side	2.56	Yes	2.51	1.02
1700	WCDMA band 4	Hotspot	Back side	0.865	Yes	0.863	1.00
1700	WCDMA band 4	Hotspot	Bottom side	0.871	Yes	0.860	1.01
1900	LTE band 2	Hotspot	Bottom side	1.03	Yes	0.986	1.05
1900	LTE band 2	Extremity	Bottom side	2.72	Yes	2.58	1.05
2600	LTE band 7	Hotspot	Bottom side	0.941	Yes	0.926	1.02
1700	LTE band 66	Hotspot	Back side	0.871	Yes	0.865	1.01
1700	LTE band 66	Hotspot	Bottom side	0.938	Yes	0.921	1.02
Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20, the second repeated measurement. is not required.							

12 SIMULTANEOUS TRANSMISSION

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

12.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot	Extremity
1	WWAN+2.4G WIFI	Yes	Yes	Yes	Yes
2	WWAN+BT	Yes	Yes	Yes	Yes
3	WWAN+5G WIFI	Yes	Yes	Yes	Yes
4	WWAN+5G WIFI+BT	Yes	Yes	Yes	Yes

Note:
1. 2G&3G&4G share the same antenna and can’t transmit simultaneously.
2. 2.4G WIFI can’t transmit simultaneously with Bluetooth or 5G WIFI.
3. 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.
4. The maximum SAR summation is calculated based on the same configuration and test position.

12.2 Sum SAR of Simultaneous Transmission

12.2.1 Sum Head SAR of Simultaneous Transmission

Band	Position	Stand alone SAR				SUM SAR			
		1	2	3	4				
		WWAN	2.4G WIFI	5G WIFI Max .	Bluetooth	1+2	1+3	1+4	1+3+4
GSM850	Left cheek	1.022	0.565	0.332	0.085	**1.587**	1.354	1.107	1.440
	Left Tilt	0.548	0.370	0.320	0.016	0.917	0.868	0.564	0.885
	Right Cheek	0.793	0.492	0.262	0.069	1.285	1.055	0.862	1.124
	Right Tilt	0.536	0.386	0.284	0.018	0.922	0.820	0.554	0.838
GSM1900	Left Cheek	0.216	0.565	0.332	0.085	0.781	0.549	0.302	0.634
	Left Tilt	0.115	0.370	0.320	0.016	0.485	0.436	0.132	0.452
	Right Cheek	0.225	0.492	0.262	0.069	0.717	0.487	0.294	0.556
	Right Tilt	0.142	0.386	0.284	0.018	0.528	0.426	0.160	0.444
WCDMA B2	Left Cheek	0.168	0.565	0.332	0.085	0.733	0.501	0.254	0.586
	Left Tilt	0.083	0.370	0.320	0.016	0.453	0.403	0.099	0.420
	Right Cheek	0.173	0.492	0.262	0.069	0.665	0.435	0.242	0.504
	Right Tilt	0.110	0.386	0.284	0.018	0.496	0.394	0.128	0.412
WCDMA B4	Left Cheek	0.086	0.565	0.332	0.085	0.651	0.418	0.171	0.504
	Left Tilt	0.078	0.370	0.320	0.016	0.447	0.398	0.094	0.414
	Right Cheek	0.123	0.492	0.262	0.069	0.615	0.385	0.192	0.454
	Right Tilt	0.085	0.386	0.284	0.018	0.471	0.369	0.103	0.387
WCDMA B5	Left Cheek	0.624	0.565	0.332	0.085	1.188	0.956	0.709	1.041
	Left Tilt	0.351	0.370	0.320	0.016	0.721	0.671	0.367	0.688
	Right Cheek	0.444	0.492	0.262	0.069	0.936	0.706	0.513	0.775
	Right Tilt	0.316	0.386	0.284	0.018	0.702	0.600	0.334	0.618
LTE B2	Left Cheek	0.169	0.565	0.332	0.085	0.734	0.502	0.255	0.587
	Left Tilt	0.090	0.370	0.320	0.016	0.460	0.411	0.107	0.427
	Right Cheek	0.184	0.492	0.262	0.069	0.676	0.446	0.253	0.515
	Right Tilt	0.115	0.386	0.284	0.018	0.500	0.399	0.133	0.417
LTE B5	Left Cheek	0.579	0.565	0.332	0.085	1.144	0.911	0.664	0.996
	Left Tilt	0.322	0.370	0.320	0.016	0.691	0.642	0.338	0.658
	Right Cheek	0.425	0.492	0.262	0.069	0.916	0.687	0.494	0.755
	Right Tilt	0.280	0.386	0.284	0.018	0.666	0.564	0.298	0.582
LTE B7	Left Cheek	0.288	0.565	0.332	0.085	0.852	0.620	0.373	0.705
	Left Tilt	0.139	0.370	0.320	0.016	0.508	0.459	0.155	0.475
	Right Cheek	0.310	0.492	0.262	0.069	0.802	0.572	0.379	0.641
	Right Tilt	0.127	0.386	0.284	0.018	0.513	0.411	0.145	0.429
LTE B12	Left Cheek	0.253	0.565	0.332	0.085	0.817	0.585	0.338	0.670
	Left Tilt	0.131	0.370	0.320	0.016	0.501	0.452	0.148	0.468
	Right Cheek	0.209	0.492	0.262	0.069	0.701	0.471	0.278	0.540
	Right Tilt	0.131	0.386	0.284	0.018	0.517	0.415	0.149	0.433

LTE B66	Left Cheek	0.146	0.565	0.332	0.085	0.711	0.479	0.232	0.564
	Left Tilt	0.126	0.370	0.320	0.016	0.495	0.446	0.142	0.463
	Right Cheek	0.171	0.492	0.262	0.069	0.662	0.433	0.240	0.501
	Right Tilt	0.127	0.386	0.284	0.018	0.513	0.411	0.145	0.429
LTE 71	Left Cheek	0.410	0.565	0.332	0.085	0.975	0.742	0.496	0.828
	Left Tilt	0.221	0.370	0.320	0.016	0.590	0.541	0.237	0.558
	Right Cheek	0.319	0.492	0.262	0.069	0.811	0.581	0.388	0.650
	Right Tilt	0.222	0.386	0.284	0.018	0.608	0.506	0.240	0.524
LTE 41	Left Cheek	0.134	0.565	0.332	0.085	0.699	0.466	0.219	0.551
	Left Tilt	0.083	0.370	0.320	0.016	0.453	0.404	0.100	0.420
	Right Cheek	0.125	0.492	0.262	0.069	0.616	0.386	0.194	0.455
	Right Tilt	0.049	0.386	0.284	0.018	0.435	0.333	0.067	0.351

Note: The highest Summed 1g SAR is 1.587 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.2 Sum Body-worn SAR of Simultaneous Transmission

Band	Position	Stand alone SAR				SUM SAR			
		1	2	3	4				
		WWAN	2.4G WIFI	5G WIFI Max	Bluetooth	1+2	1+3	1+4	1+3+4
GSM850	Front Side	0.499	0.123	0.121	0.016	0.622	0.620	0.516	0.637
	Back Side	0.811	0.220	0.153	0.057	1.031	0.964	0.869	1.022
GSM1900	Front Side	0.596	0.123	0.121	0.016	0.720	0.718	0.613	0.734
	Back Side	0.924	0.220	0.153	0.057	1.144	1.076	0.981	1.134
WCDMA B2	Front Side	0.564	0.123	0.121	0.016	0.687	0.685	0.580	0.701
	Back Side	0.919	0.220	0.153	0.057	1.139	1.072	0.976	1.129
WCDMA B4	Front Side	0.509	0.123	0.121	0.016	0.632	0.630	0.525	0.646
	Back Side	1.038	0.220	0.153	0.057	1.258	1.190	1.095	1.248
WCDMA B5	Front Side	0.451	0.123	0.121	0.016	0.574	0.572	0.467	0.588
	Back Side	0.633	0.220	0.153	0.057	0.854	0.786	0.691	0.844
LTE B2	Front Side	0.525	0.123	0.121	0.016	0.649	0.647	0.542	0.663
	Back Side	0.947	0.220	0.153	0.057	1.168	1.100	1.005	1.158
LTE B5	Front Side	0.403	0.123	0.121	0.016	0.526	0.524	0.419	0.540
	Back Side	0.518	0.220	0.153	0.057	0.738	0.671	0.576	0.728
LTE B7	Front Side	0.505	0.123	0.121	0.016	0.628	0.626	0.522	0.643
	Back Side	0.902	0.220	0.153	0.057	1.122	1.055	0.960	1.113
LTE B12	Front Side	0.302	0.123	0.121	0.016	0.426	0.424	0.319	0.440
	Back Side	0.499	0.220	0.153	0.057	0.720	0.652	0.557	0.710
LTE B66	Front Side	0.498	0.123	0.121	0.016	0.621	0.619	0.514	0.635
	Back Side	1.062	0.220	0.153	0.057	**1.282**	**1.215**	**1.119**	**1.272**
LTE B71	Front Side	0.307	0.123	0.121	0.016	0.430	0.428	0.323	0.445
	Back Side	0.545	0.220	0.153	0.057	0.765	0.698	0.602	0.755
LTE B41	Front Side	0.313	0.123	0.121	0.016	0.436	0.434	0.330	0.451
	Back Side	0.570	0.220	0.153	0.057	0.791	0.723	0.628	0.781

Note: The highest Summed 1g SAR is 1.282 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.3 Sum Hotspot SAR of Simultaneous Transmission

Band	Position	Stand alone SAR				SUM SAR			
		1	2	3	4				
		WWAN	2.4G WIFI	5G WIFI Max	Bluetooth	1+2	1+3	1+4	1+3+4
GSM850	Front Side	0.499	0.123	0.121	0.016	0.622	0.620	0.516	0.637
	Back Side	0.811	0.220	0.153	0.057	1.031	0.964	0.869	1.022
	Left Side	0.465	0.000	0.000	0.000	0.465	0.465	0.465	0.465
	Right Side	0.191	0.081	0.228	0.020	0.272	0.419	0.211	0.439
	Top Side	0.000	0.151	0.190	0.038	0.151	0.190	0.038	0.228
	Bottom Side	0.330	0.000	0.000	0.000	0.330	0.330	0.330	0.330
GSM1900	Front Side	0.596	0.123	0.121	0.016	0.720	0.718	0.613	0.734
	Back Side	0.924	0.231	0.153	0.057	1.155	1.076	0.981	1.134
	Left Side	0.095	0.000	0.000	0.000	0.095	0.095	0.095	0.095
	Right Side	0.216	0.081	0.228	0.020	0.297	0.444	0.236	0.464
	Top Side	0.000	0.151	0.190	0.038	0.151	0.190	0.038	0.228
	Bottom Side	1.348	0.000	0.000	0.000	**1.348**	**1.348**	**1.348**	**1.348**
WCDMA B2	Front Side	0.564	0.123	0.121	0.016	0.687	0.685	0.580	0.701
	Back Side	0.919	0.231	0.153	0.057	1.150	1.072	0.976	1.129
	Left Side	0.103	0.000	0.000	0.000	0.103	0.103	0.103	0.103
	Right Side	0.239	0.081	0.228	0.020	0.319	0.467	0.258	0.486
	Top Side	0.000	0.151	0.190	0.038	0.151	0.190	0.038	0.228
	Bottom Side	1.222	0.000	0.000	0.000	1.222	1.222	1.222	1.222
WCDMA B4	Front Side	0.509	0.123	0.121	0.016	0.632	0.630	0.525	0.646
	Back Side	1.038	0.231	0.153	0.057	1.269	1.190	1.095	1.248
	Left Side	0.076	0.000	0.000	0.000	0.076	0.076	0.076	0.076
	Right Side	0.165	0.081	0.228	0.020	0.246	0.393	0.184	0.412
	Top Side	0.000	0.151	0.190	0.038	0.151	0.190	0.038	0.228
	Bottom Side	1.045	0.000	0.000	0.000	1.045	1.045	1.045	1.045
WCDMA B5	Front Side	0.451	0.123	0.121	0.016	0.574	0.572	0.467	0.588
	Back Side	0.641	0.231	0.153	0.057	0.872	0.794	0.698	0.851
	Left Side	0.448	0.000	0.000	0.000	0.448	0.448	0.448	0.448
	Right Side	0.258	0.081	0.228	0.020	0.339	0.486	0.277	0.505
	Top Side	0.000	0.151	0.190	0.038	0.151	0.190	0.038	0.228
	Bottom Side	0.301	0.000	0.000	0.000	0.301	0.301	0.301	0.301
LTE B2	Front Side	0.525	0.123	0.121	0.016	0.649	0.647	0.542	0.663
	Back Side	0.947	0.231	0.153	0.057	1.179	1.100	1.005	1.158
	Left Side	0.091	0.000	0.000	0.000	0.091	0.091	0.091	0.091
	Right Side	0.218	0.081	0.228	0.020	0.299	0.446	0.238	0.466
	Top Side	0.000	0.151	0.190	0.038	0.151	0.190	0.038	0.228
	Bottom Side	1.267	0.000	0.000	0.000	1.267	1.267	1.267	1.267
LTE B5	Front Side	0.403	0.123	0.121	0.016	0.526	0.524	0.419	0.540

	Back Side	0.518	0.231	0.153	0.057	0.750	0.671	0.576	0.728
	Left Side	0.383	0.000	0.000	0.000	0.383	0.383	0.383	0.383
	Right Side	0.227	0.081	0.228	0.020	0.308	0.455	0.247	0.475
	Top Side	0.000	0.151	0.190	0.038	0.151	0.190	0.038	0.228
	Bottom Side	0.291	0.000	0.000	0.000	0.291	0.291	0.291	0.291
LTE B7	Front Side	0.505	0.123	0.121	0.016	0.628	0.626	0.522	0.643
	Back Side	0.902	0.231	0.153	0.057	1.134	1.055	0.960	1.113
	Left Side	0.297	0.000	0.000	0.000	0.297	0.297	0.297	0.297
	Right Side	0.426	0.081	0.228	0.020	0.507	0.654	0.446	0.674
	Top Side	0.000	0.151	0.190	0.038	0.151	0.190	0.038	0.228
	Bottom Side	1.095	0.000	0.000	0.000	1.095	1.095	1.095	1.095
LTE B12	Front Side	0.302	0.123	0.121	0.016	0.426	0.424	0.319	0.440
	Back Side	0.499	0.231	0.153	0.057	0.731	0.652	0.557	0.710
	Left Side	0.311	0.000	0.000	0.000	0.311	0.311	0.311	0.311
	Right Side	0.227	0.081	0.228	0.020	0.308	0.455	0.247	0.475
	Top Side	0.000	0.151	0.190	0.038	0.151	0.190	0.038	0.228
	Bottom Side	0.070	0.000	0.000	0.000	0.070	0.070	0.070	0.070
LTE B66	Front Side	0.498	0.123	0.121	0.016	0.621	0.619	0.514	0.635
	Back Side	1.062	0.231	0.153	0.057	1.293	1.215	1.119	1.272
	Left Side	0.092	0.000	0.000	0.000	0.092	0.092	0.092	0.092
	Right Side	0.170	0.081	0.228	0.020	0.251	0.398	0.190	0.418
	Top Side	0.000	0.151	0.190	0.038	0.151	0.190	0.038	0.228
	Bottom Side	1.175	0.000	0.000	0.000	1.175	1.175	1.175	1.175
LTE B71	Front Side	0.307	0.123	0.121	0.016	0.430	0.428	0.323	0.445
	Back Side	0.545	0.231	0.153	0.057	0.776	0.698	0.602	0.755
	Left Side	0.414	0.000	0.000	0.000	0.414	0.414	0.414	0.414
	Right Side	0.289	0.081	0.228	0.020	0.370	0.517	0.308	0.536
	Top Side	0.000	0.151	0.190	0.038	0.151	0.190	0.038	0.228
	Bottom Side	0.078	0.000	0.000	0.000	0.078	0.078	0.078	0.078
LTE B41	Front Side	0.313	0.123	0.121	0.016	0.436	0.434	0.330	0.451
	Back Side	0.570	0.231	0.153	0.057	0.802	0.723	0.628	0.781
	Left Side	0.206	0.000	0.000	0.000	0.206	0.206	0.206	0.206
	Right Side	0.306	0.081	0.228	0.020	0.387	0.534	0.326	0.554
	Top Side	0.000	0.151	0.190	0.038	0.151	0.190	0.038	0.228
	Bottom Side	0.656	0.000	0.000	0.000	0.656	0.656	0.656	0.656

Note: The highest Summed 1g SAR is 1.348 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1208	2024/08/19	2027/08/18
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2024/05/08	2027/05/07
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2024/05/08	2027/05/07
1950MHz Validation Dipole	Speag	D1950V3	SN: 1240	2024/08/22	2027/08/21
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2024/05/07	2027/05/06
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2024/05/08	2027/05/07
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2024/05/09	2027/05/08
Data Acquisition Electronicsr	Speag	DAE4	SN: 1710	2025/01/20	2026/01/19
E-Field Probe	Speag	EX3DV4	SN: 7893	2024/09/05	2025/09/04
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: 1857	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

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

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

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

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

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2025.02.14	Head	750	20.5	0.88	41.22	0.89	41.94	-1.12	-1.72
2025.02.12	Head	835	20.8	0.90	41.01	0.90	41.50	0.00	-1.18
2025.02.13	Head	1750	21.1	1.42	39.28	1.37	40.08	3.65	-2.00
2025.02.14	Head	1950	20.5	1.43	39.54	1.40	40.00	2.14	-1.15
2025.02.15	Head	1950	20.3	1.45	39.17	1.40	40.00	3.57	-2.08
2025.02.17	Head	2450	21.1	1.85	38.72	1.80	39.20	2.78	-1.22
2025.02.16	Head	2600	20.6	2.01	38.00	1.96	39.01	2.55	-2.59
2025.02.17	Head	2600	21.1	1.99	38.32	1.96	39.01	1.53	-1.77
2025.02.18	Head	5250	21.8	4.80	34.87	4.71	35.93	1.91	-2.95
2025.02.19	Head	5600	21.3	5.18	34.32	5.07	35.53	2.17	-3.41
2025.02.19	Head	5750	21.3	5.31	34.46	5.22	35.36	1.72	-2.55
Note: The tolerance limit of Conductivity and Permittivity is± 5%.									

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.02.14	Head	750	100	0.859	8.59	8.46	1.54
2025.02.12	Head	835	100	0.930	9.30	9.74	-4.52
2025.02.13	Head	1750	100	3.870	38.70	37.00	4.59
2025.02.14	Head	1950	100	4.230	42.30	41.70	1.44
2025.02.15	Head	1950	100	4.060	40.60	41.70	-2.64
2025.02.17	Head	2450	100	5.210	52.10	52.60	-0.95
2025.02.16	Head	2600	100	5.470	54.70	55.90	-2.15
2025.02.17	Head	2600	100	5.280	52.80	55.90	-5.55
2025.02.18	Head	5250	100	7.380	73.80	77.70	-5.02
2025.02.19	Head	5600	100	8.290	82.90	81.30	1.97
2025.02.19	Head	5750	100	7.560	75.60	77.60	-2.58
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.02.14	Head	1950	100	2.180	21.80	21.70	0.46
2025.02.15	Head	1950	100	2.090	20.90	21.70	-3.69
2025.02.18	Head	5250	100	2.090	20.90	22.00	-5.00
2025.02.19	Head	5600	100	2.330	23.30	23.10	0.87
Note: The tolerance limit of System validation ±10%.							

System Performance Check Data (750MHz)

Date: 2025/2/14
Communication System Band: D750 (750.0 MHz); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.878 S/m; ε_r = 41.221; ρ = 1000 kg/m^3
Phantom section: Flat Section

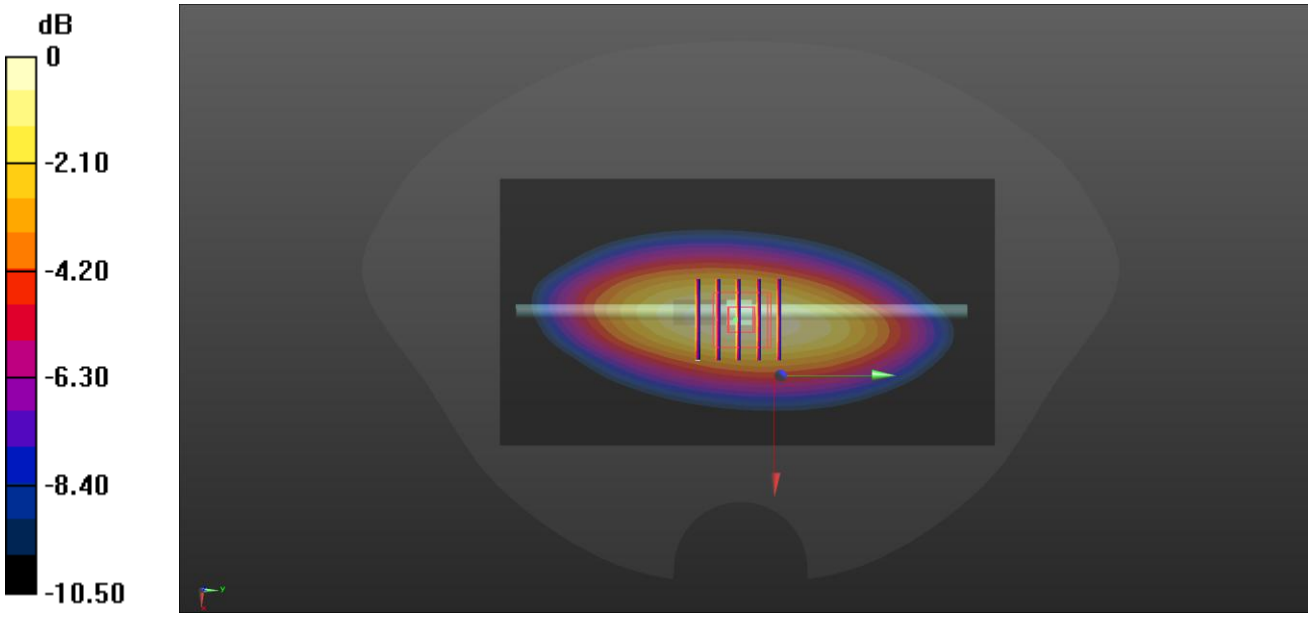
Ambient Temperature:21.8℃ Liquid Temperature:20.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.92, 9.23, 9.45); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 750/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.18 W/kg

CW 750/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.16 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.859 W/kg; SAR(10 g) = 0.565 W/kg
Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg

System Performance Check Data (835MHz)

Date: 2025/2/12
Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.902 S/m; ε_r = 41.006; ρ = 1000 kg/m^3
Phantom section: Flat Section

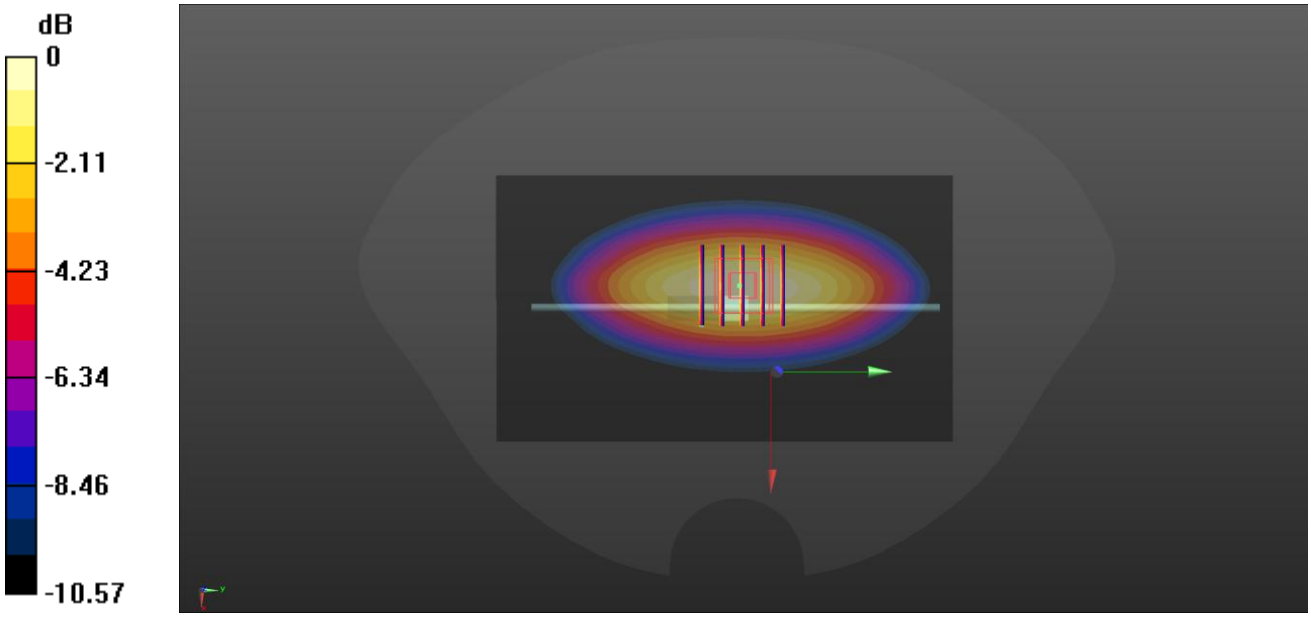
Ambient Temperature:22.1℃ Liquid Temperature:20.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.85, 9.15, 9.38); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 835/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.29 W/kg

CW 835/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.08 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.930 W/kg; SAR(10 g) = 0.608 W/kg
Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.28 W/kg

System Performance Check Data (1750MHz)

Date: 2025/2/13
Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.416 S/m; ε_r = 39.277; ρ = 1000 kg/m^3
Phantom section: Flat Section

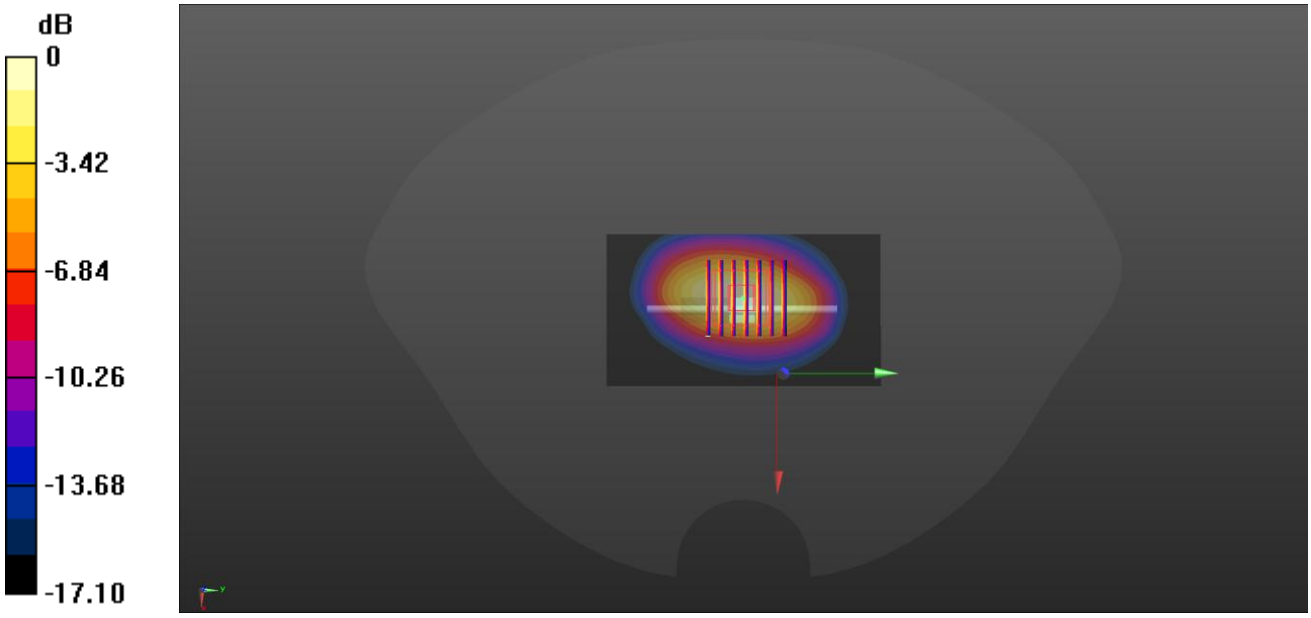
Ambient Temperature:22.5℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.57, 7.83, 8.02); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 1750/Area Scan (51x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 6.23 W/kg

CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.50 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 7.35 W/kg
SAR(1 g) = 3.87 W/kg; SAR(10 g) = 2.04 W/kg
Maximum value of SAR (measured) = 6.07 W/kg



0 dB = 6.07 W/kg

System Performance Check Data (1950MHz)

Date: 2025/2/14
Communication System Band: D1950 (1950.0 MHz); Frequency: 1950 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1950 MHz; σ = 1.425 S/m; ε_r = 39.539; ρ = 1000 kg/m^3
Phantom section: Flat Section

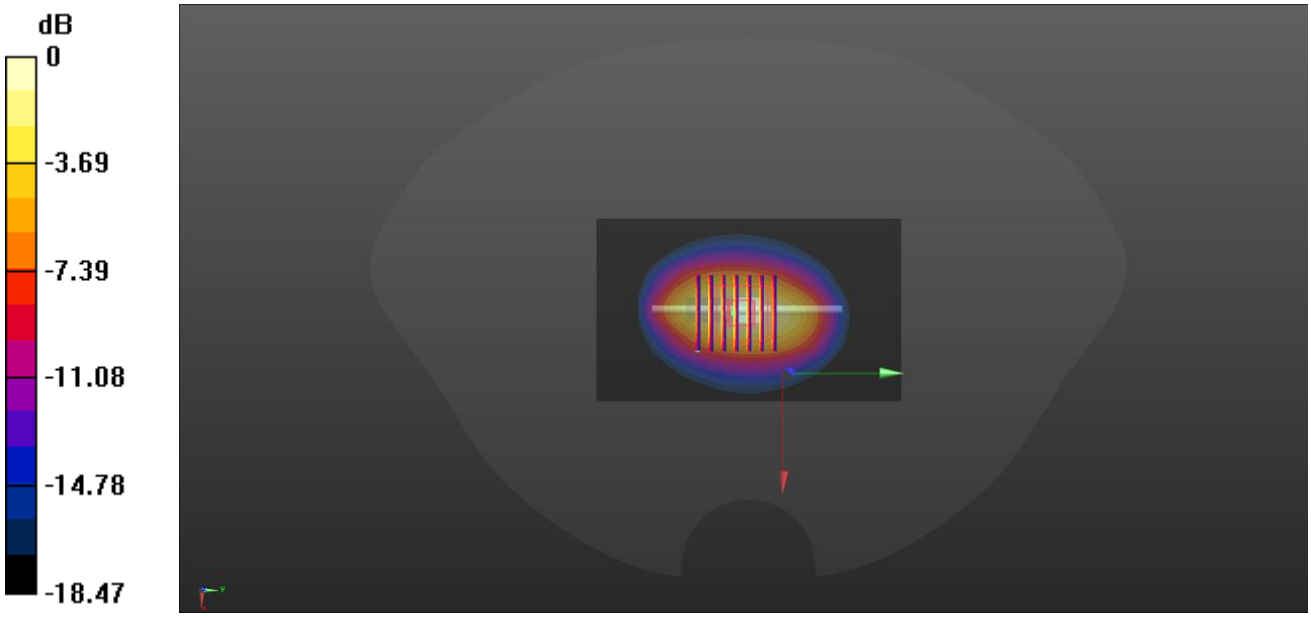
Ambient Temperature:21.8℃ Liquid Temperature:20.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.34, 7.59, 7.78); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 1950/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 6.84 W/kg

CW 1950/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57.22 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 8.10 W/kg
SAR(1 g) = 4.23 W/kg; SAR(10 g) = 2.18 W/kg
Maximum value of SAR (measured) = 6.65 W/kg



0 dB = 6.65 W/kg

System Performance Check Data (1950MHz)

Date: 2025/2/15
Communication System Band: D1950 (1950.0 MHz); Frequency: 1950 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1950 MHz; σ = 1.445 S/m; ε_r = 39.166; ρ = 1000 kg/m^3
Phantom section: Flat Section

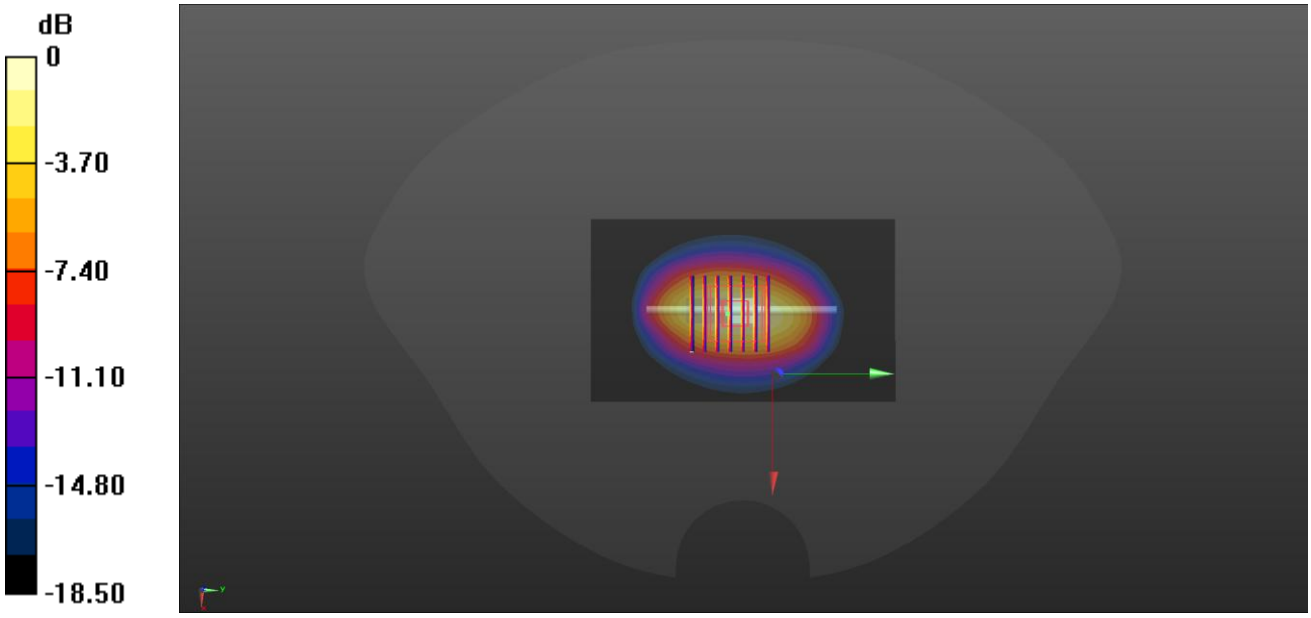
Ambient Temperature:21.5℃ Liquid Temperature:20.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.34, 7.59, 7.78); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 1950/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 6.57 W/kg

CW 1950/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.16 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 7.82 W/kg
SAR(1 g) = 4.06 W/kg; SAR(10 g) = 2.09 W/kg
Maximum value of SAR (measured) = 6.43 W/kg



0 dB = 6.43 W/kg

System Performance Check Data (2450MHz)

Date: 2025/2/17
Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.847 S/m; ε_r = 38.722; ρ = 1000 kg/m^3
Phantom section: Flat Section

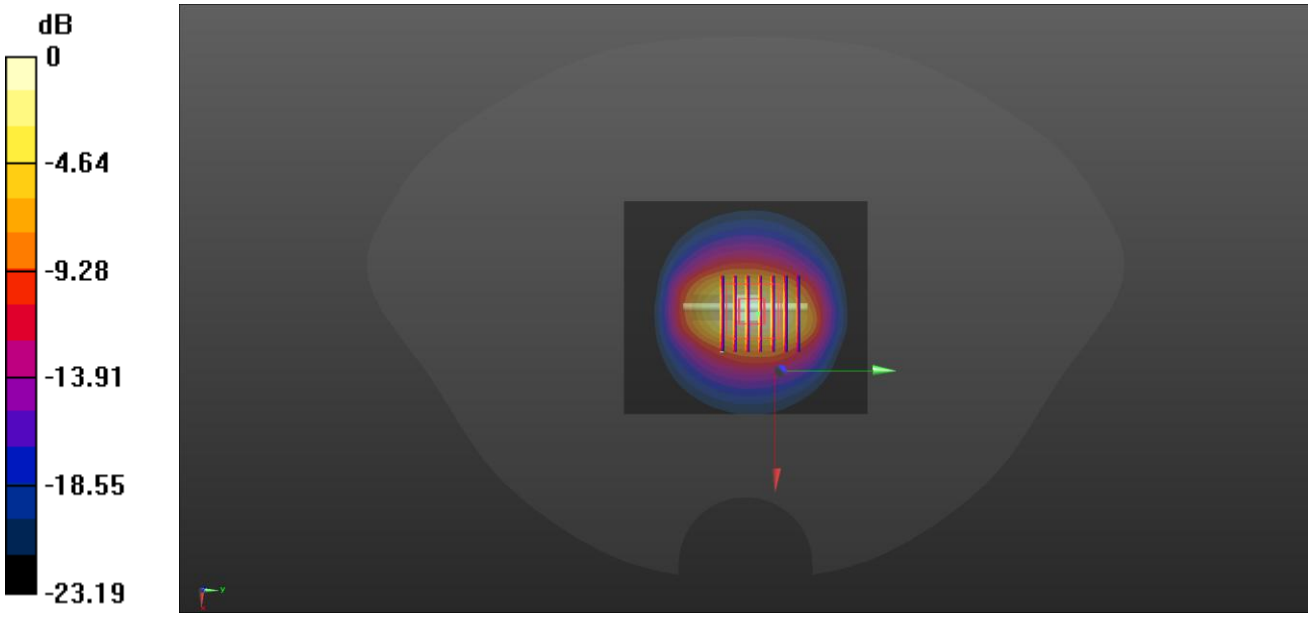
Ambient Temperature:22.6℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(6.98, 7.22, 7.4); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 2450/Area Scan (71x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 9.05 W/kg

CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.73 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 11.0 W/kg
SAR(1 g) = 5.21 W/kg; SAR(10 g) = 2.39 W/kg
Maximum value of SAR (measured) = 8.70 W/kg



0 dB = 8.70 W/kg

System Performance Check Data (2600MHz)

Date: 2025/2/16
Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.008 S/m; ε_r = 38.004; ρ = 1000 kg/m^3
Phantom section: Flat Section

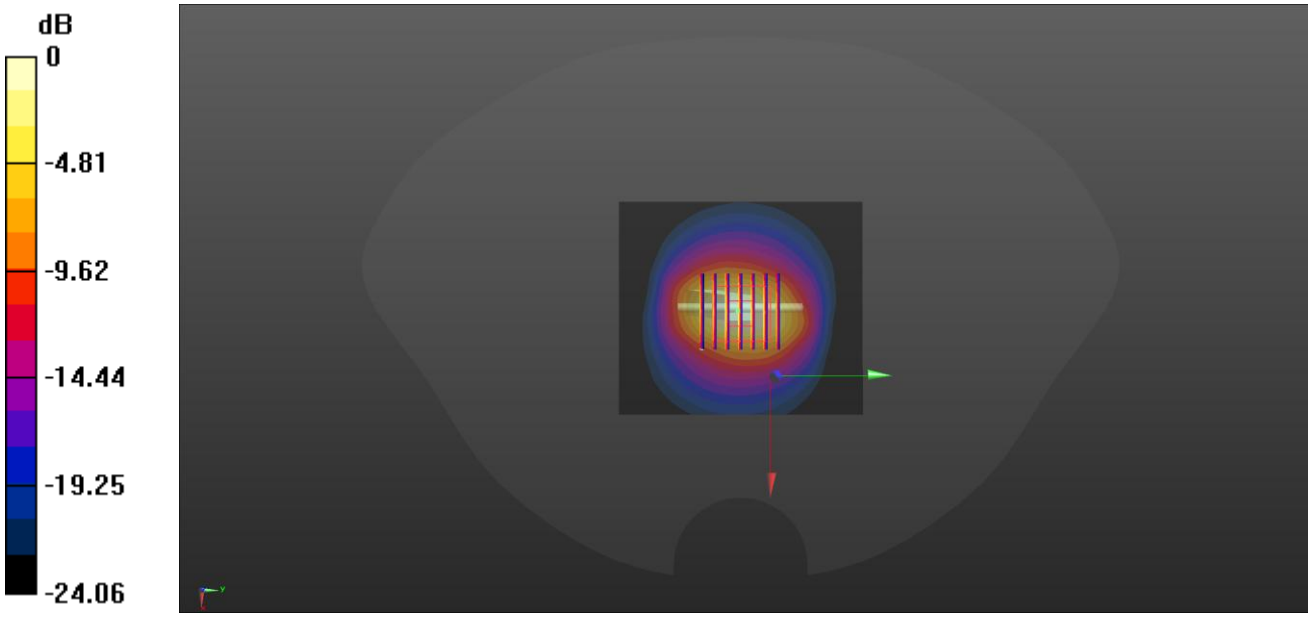
Ambient Temperature:22.0℃ Liquid Temperature:20.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.06, 7.3, 7.48); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 2600/Area Scan (71x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 9.66 W/kg

CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57.40 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 12.0 W/kg
SAR(1 g) = 5.47 W/kg; SAR(10 g) = 2.43 W/kg
Maximum value of SAR (measured) = 9.48 W/kg



0 dB = 9.48 W/kg

System Performance Check Data (2600MHz)

Date: 2025/2/17
Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.986 S/m; ε_r = 38.318; ρ = 1000 kg/m^3
Phantom section: Flat Section

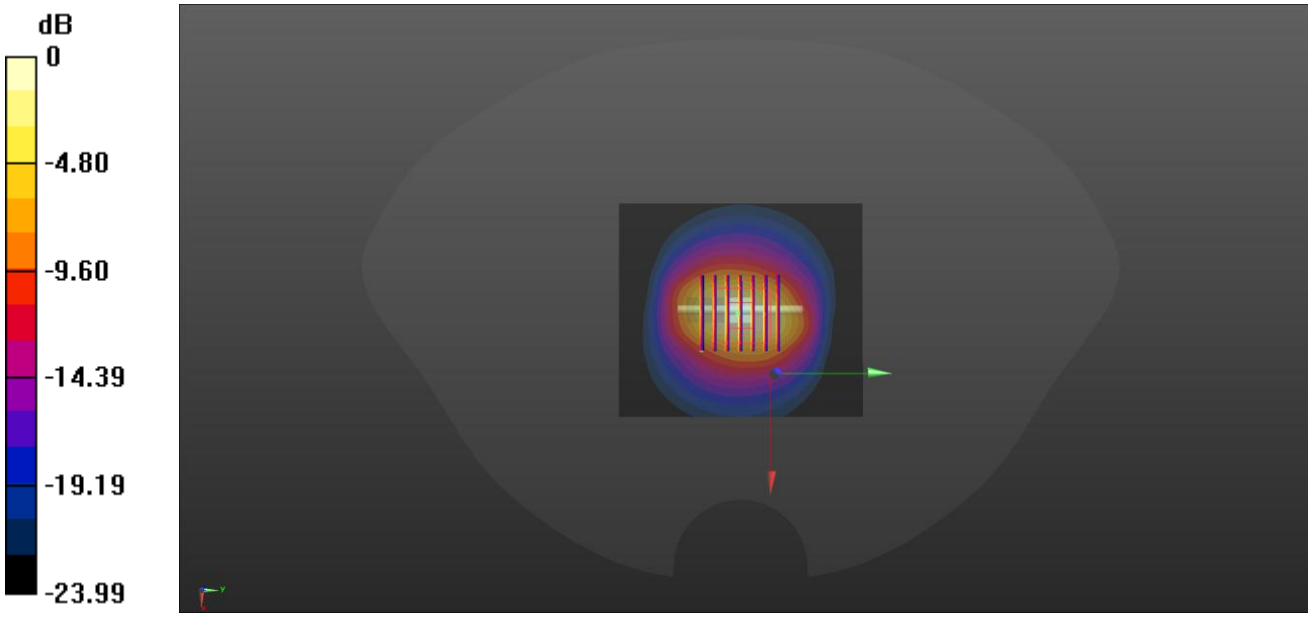
Ambient Temperature:22.6℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.06, 7.3, 7.48); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 2600/Area Scan (71x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 9.26 W/kg

CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.38 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 11.3 W/kg
SAR(1 g) = 5.28 W/kg; SAR(10 g) = 2.35 W/kg
Maximum value of SAR (measured) = 8.95 W/kg



0 dB = 8.95 W/kg

System Performance Check Data (5250MHz)

Date: 2025/2/18
Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5250 MHz; σ = 4.803 S/m; ε_r = 34.867; ρ = 1000 kg/m^3
Phantom section: Flat Section

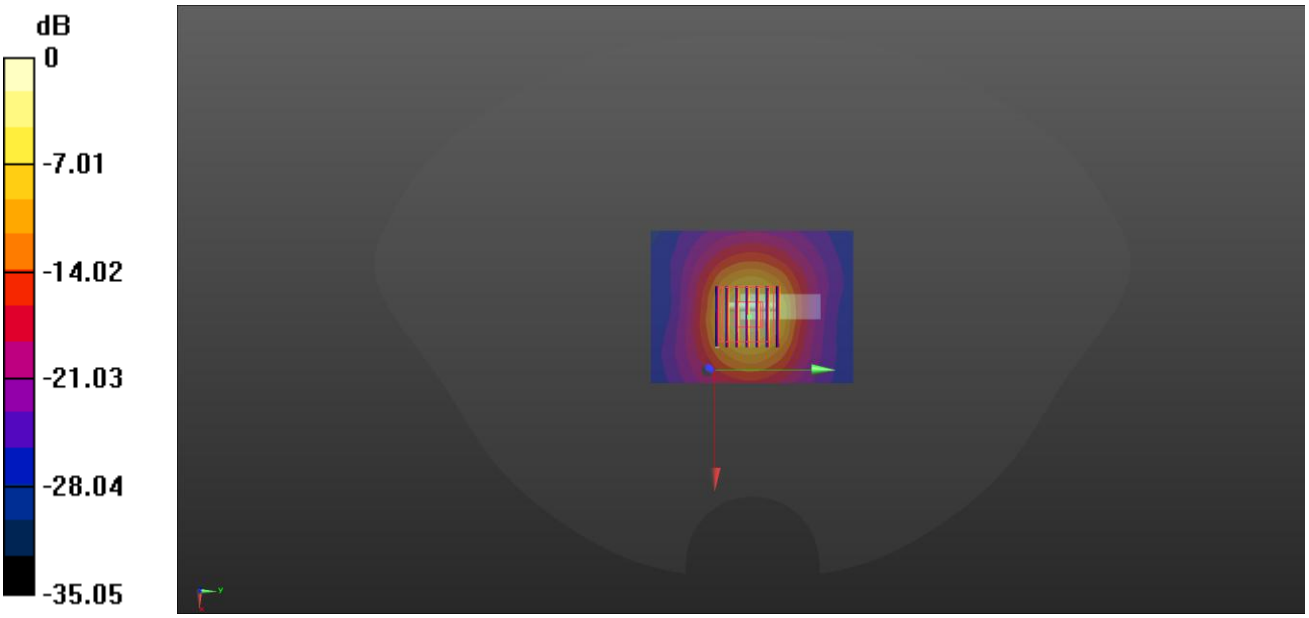
Ambient Temperature:23.0℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(5.44, 5.62, 5.76); Calibrated: 2024/9/5
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 5250/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 15.4 W/kg

CW 5250/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 39.30 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 31.3 W/kg
SAR(1 g) = 7.38 W/kg; SAR(10 g) = 2.09 W/kg
Maximum value of SAR (measured) = 15.5 W/kg



0 dB = 15.5 W/kg

System Performance Check Data (5600MHz)

Date: 2025/2/19
Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.181 S/m; ε_r = 34.322; ρ = 1000 kg/m^3
Phantom section: Flat Section

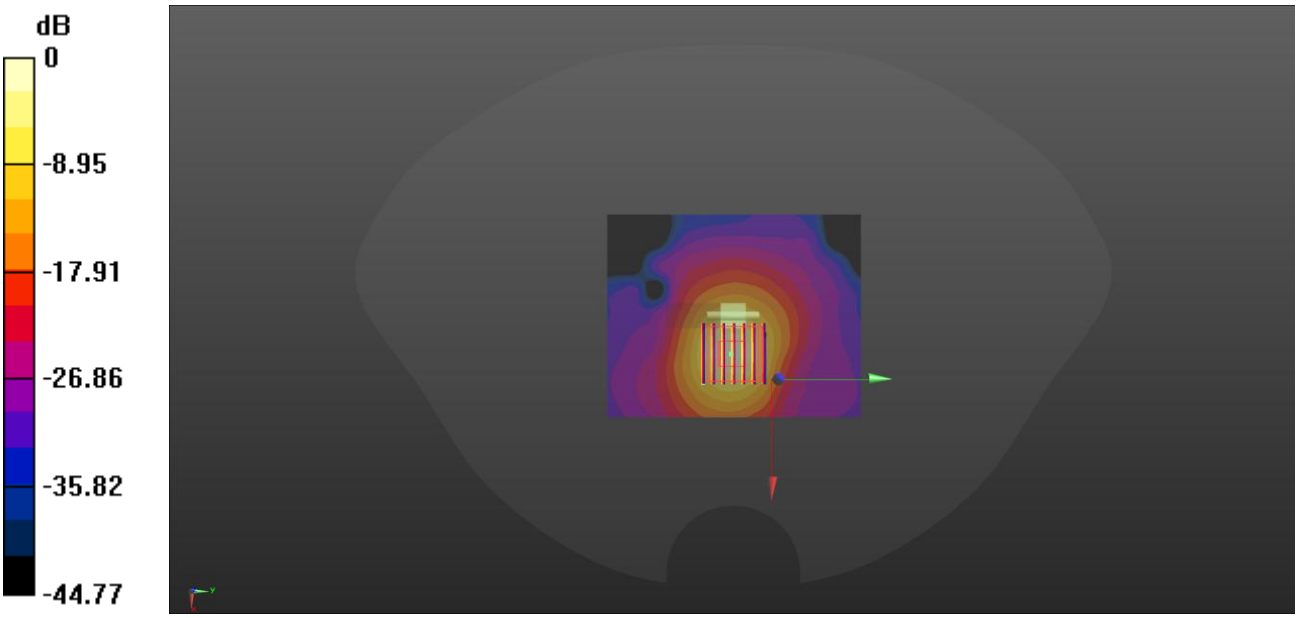
Ambient Temperature:22.7℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(4.91, 5.08, 5.2); Calibrated: 2024/9/5
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 5600/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 17.4 W/kg

CW 5600/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 16.21 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 38.5 W/kg
SAR(1 g) = 8.29 W/kg; SAR(10 g) = 2.33 W/kg
Maximum value of SAR (measured) = 17.8 W/kg



0 dB = 17.8 W/kg

System Performance Check Data (5750MHz)

Date: 2025/2/19
Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5750 MHz; σ = 5.314 S/m; ε_r = 34.455; ρ = 1000 kg/m^3
Phantom section: Flat Section

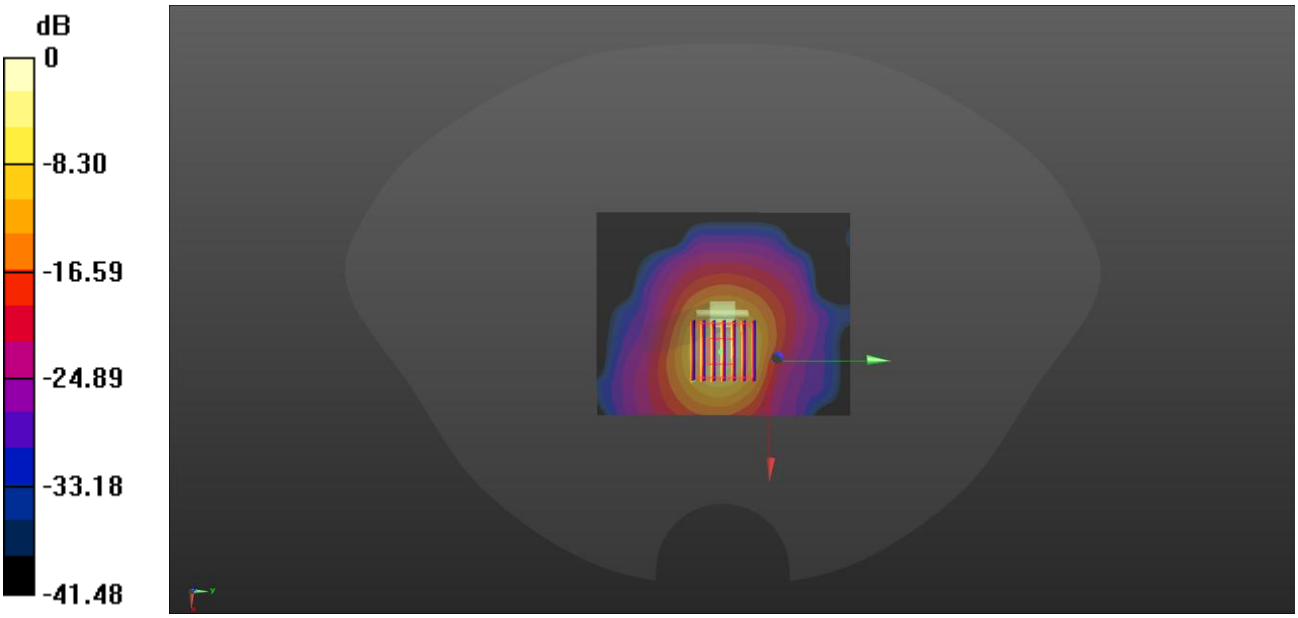
Ambient Temperature:22.7℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(4.98, 5.15, 5.27); Calibrated: 2024/9/5
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 5750/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 16.1 W/kg

CW 5750/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 15.38 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 36.7 W/kg
SAR(1 g) = 7.56 W/kg; SAR(10 g) = 2.11 W/kg
Maximum value of SAR (measured) = 16.4 W/kg



0 dB = 16.4 W/kg

ANNEX C TEST DATA

Meas1.Head Left Cheek GSM 850 Ch251
Date: 2025/2/12
Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 848.8 MHz; σ = 0.909 S/m; ε_r = 40.883; ρ = 1000 kg/m^3
Phantom section: Left Section

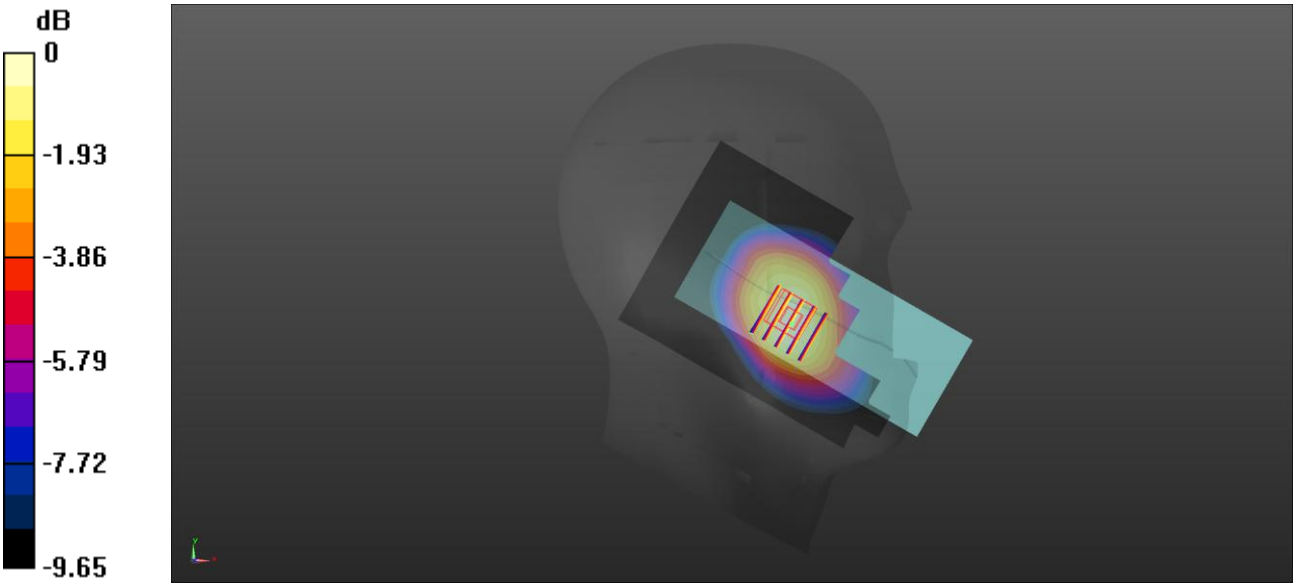
Ambient Temperature:22.1℃ Liquid Temperature:20.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.85, 9.15, 9.38); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch251/Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.04 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.220 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.858 W/kg; SAR(10 g) = 0.641 W/kg
Maximum value of SAR (measured) = 1.04 W/kg



Meas2.Hotspot Back Side 10mm GSM 850 Ch251
Date: 2025/2/12
Communication System Band: GPRS 850; Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 848.8 MHz; σ = 0.909 S/m; ε_r = 40.883; ρ = 1000 kg/m^3
Phantom section: Flat Section

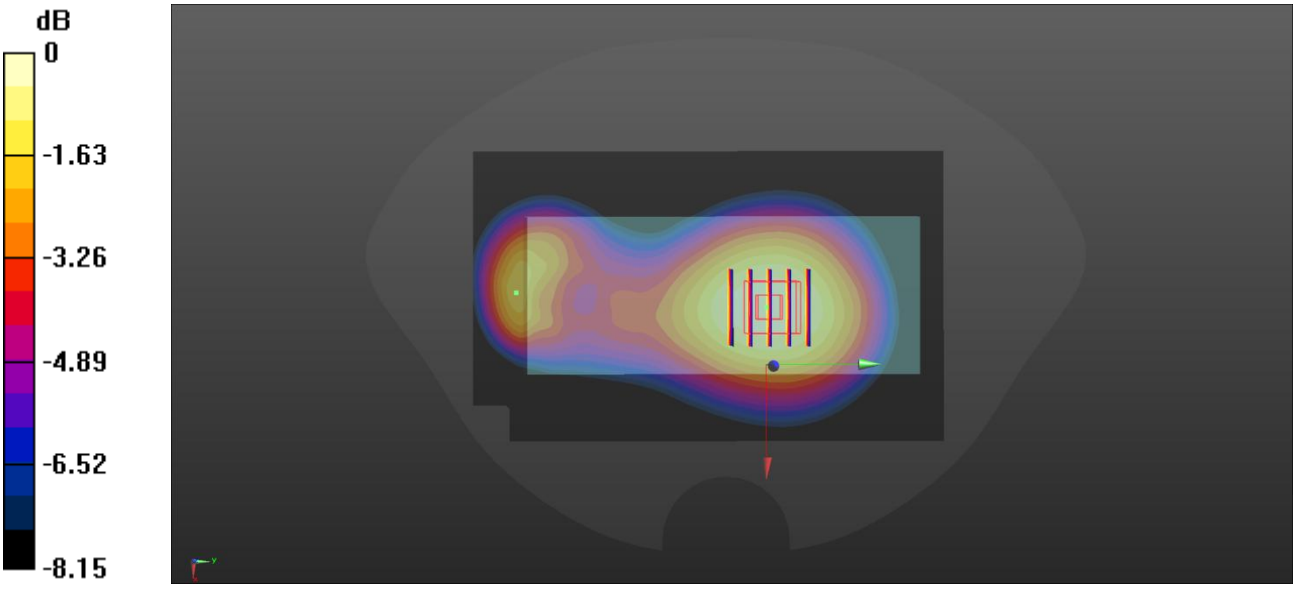
Ambient Temperature:22.1℃ Liquid Temperature:20.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.85, 9.15, 9.38); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch251/Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.813 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.18 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.882 W/kg
SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.507 W/kg
Maximum value of SAR (measured) = 0.816 W/kg



0 dB = 0.816 W/kg

Meas3.Head Right Cheek GSM 1900 Ch661
Date: 2025/2/14
Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1880 MHz; σ = 1.403 S/m; ε_r = 39.367; ρ = 1000 kg/m^3
Phantom section: Right Section

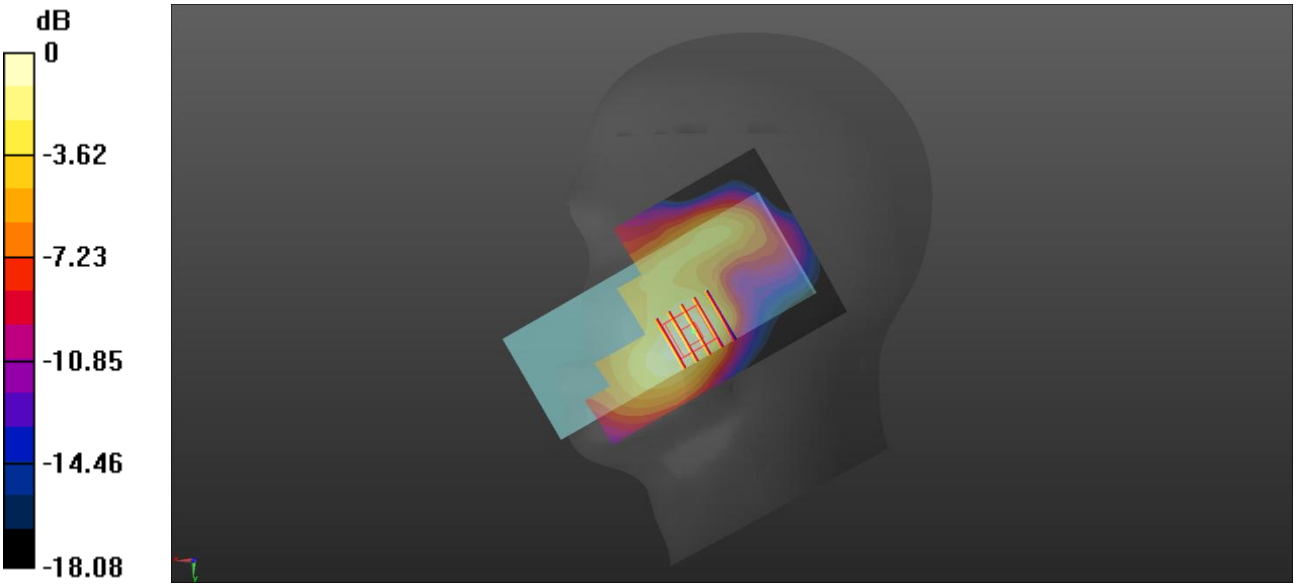
Ambient Temperature:21.8℃ Liquid Temperature:20.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.34, 7.59, 7.78); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch661/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.297 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.429 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.331 W/kg
SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.130 W/kg
Maximum value of SAR (measured) = 0.280 W/kg



0 dB = 0.280 W/kg

Meas4.Hotspot Bottom Side 10mm GSM 1900 Ch512
Date: 2025/2/14
Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; σ = 1.396 S/m; ε_r = 39.401; ρ = 1000 kg/m^3
Phantom section: Flat Section

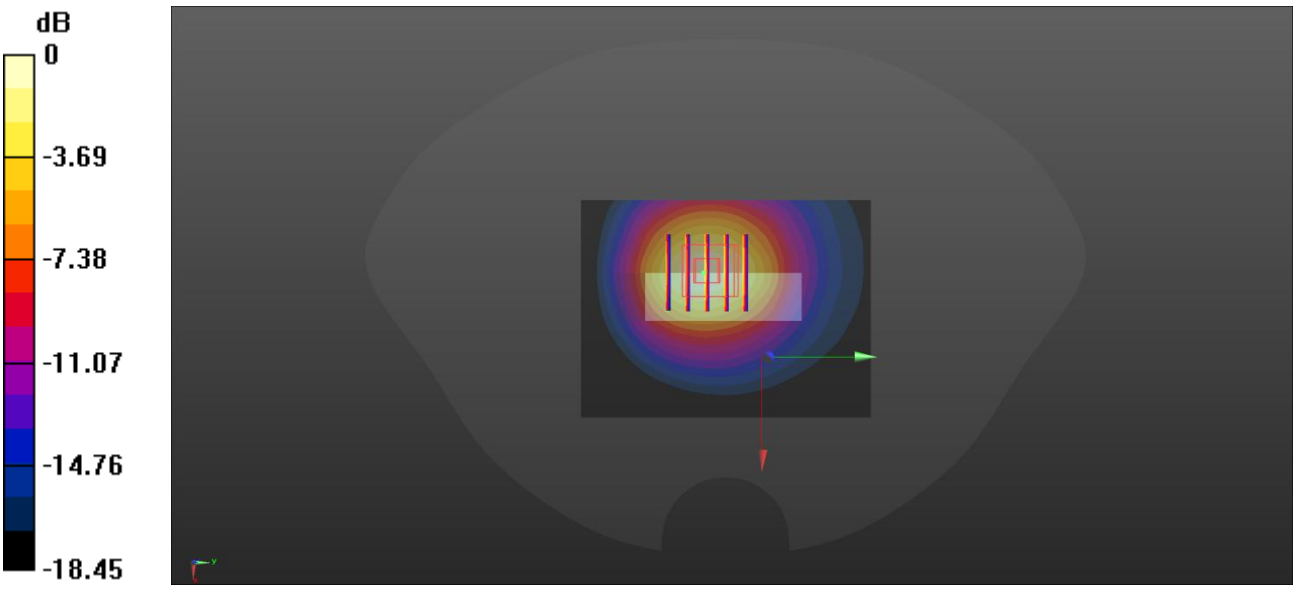
Ambient Temperature:21.8℃ Liquid Temperature:20.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.34, 7.59, 7.78); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch512/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.86 W/kg

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.82 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.15 W/kg
SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.670 W/kg
Maximum value of SAR (measured) = 1.81 W/kg



0 dB = 1.81 W/kg

Meas5.Extremity Bottom Side 0mm GSM 1900 Ch512
Date: 2025/2/14
Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; σ = 1.396 S/m; ε_r = 39.401; ρ = 1000 kg/m^3
Phantom section: Flat Section

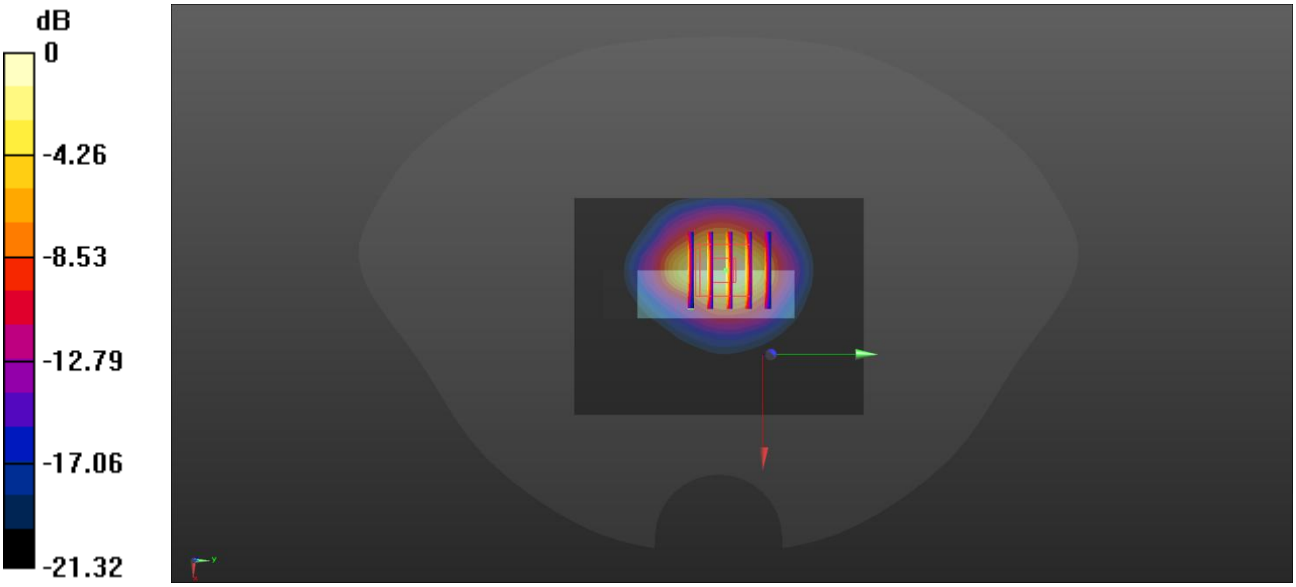
Ambient Temperature:21.8℃ Liquid Temperature:20.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.34, 7.59, 7.78); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch512/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.85 W/kg

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 46.60 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 10.7 W/kg
SAR(1 g) = 5.55 W/kg; SAR(10 g) = 2.64 W/kg
Maximum value of SAR (measured) = 8.86 W/kg



0 dB = 8.86 W/kg

Meas6.Head Right Cheek WCDMA B2 Ch9400
Date: 2025/2/15
Communication System Band: II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.435 S/m; ε_r = 39.185; ρ = 1000 kg/m^3
Phantom section: Right Section

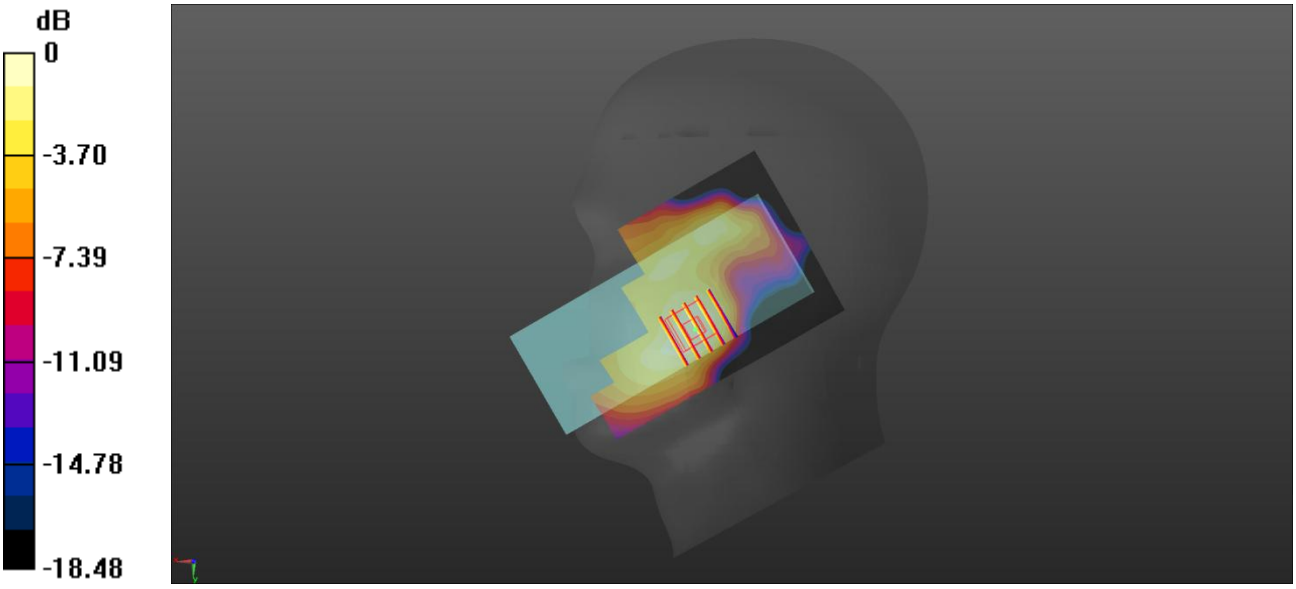
Ambient Temperature:21.5℃ Liquid Temperature:20.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.34, 7.59, 7.78); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch9400/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.218 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.964 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.233 W/kg
SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.094 W/kg
Maximum value of SAR (measured) = 0.202 W/kg



0 dB = 0.202 W/kg

Meas7.Hotspot Bottom Side 10mm WCDMA B2 Ch9262
Date: 2025/2/15
Communication System Band: II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.446 S/m; ε_r = 39.21; ρ = 1000 kg/m^3
Phantom section: Flat Section

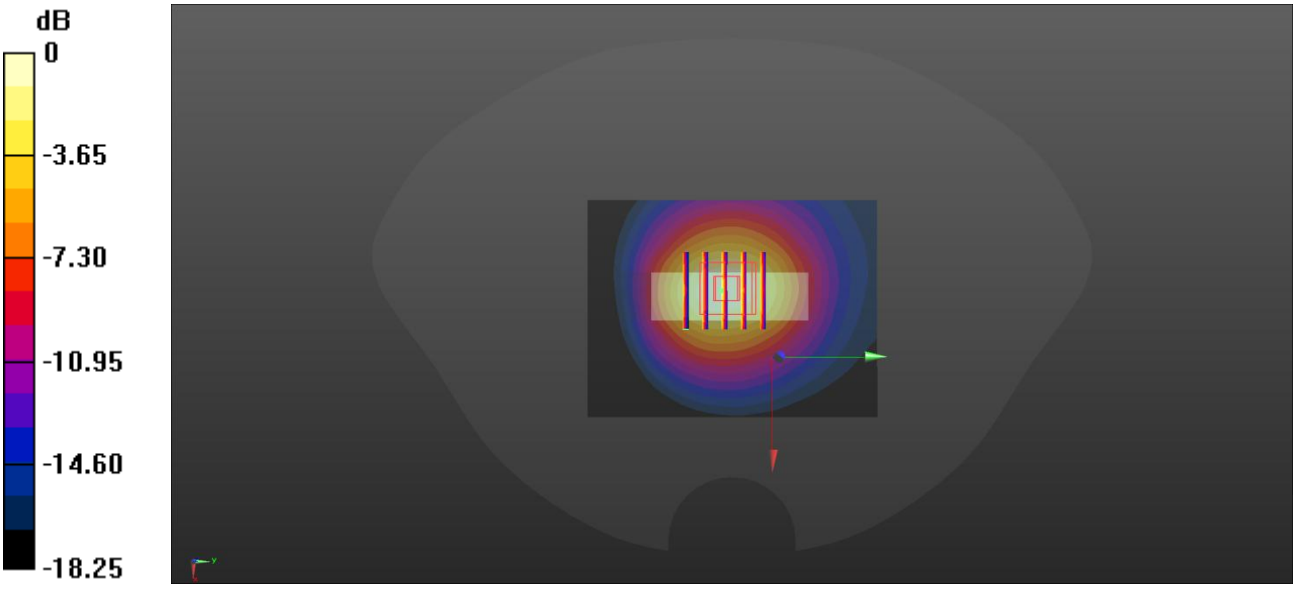
Ambient Temperature:21.5℃ Liquid Temperature:20.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.34, 7.59, 7.78); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch9262/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.56 W/kg

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.45 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.79 W/kg
SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.589 W/kg
Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.52 W/kg

Meas8.Extremity Bottom Side 0mm WCDMA B2 Ch9400
Date: 2025/2/15
Communication System Band: II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.435 S/m; ε_r = 39.185; ρ = 1000 kg/m^3
Phantom section: Flat Section

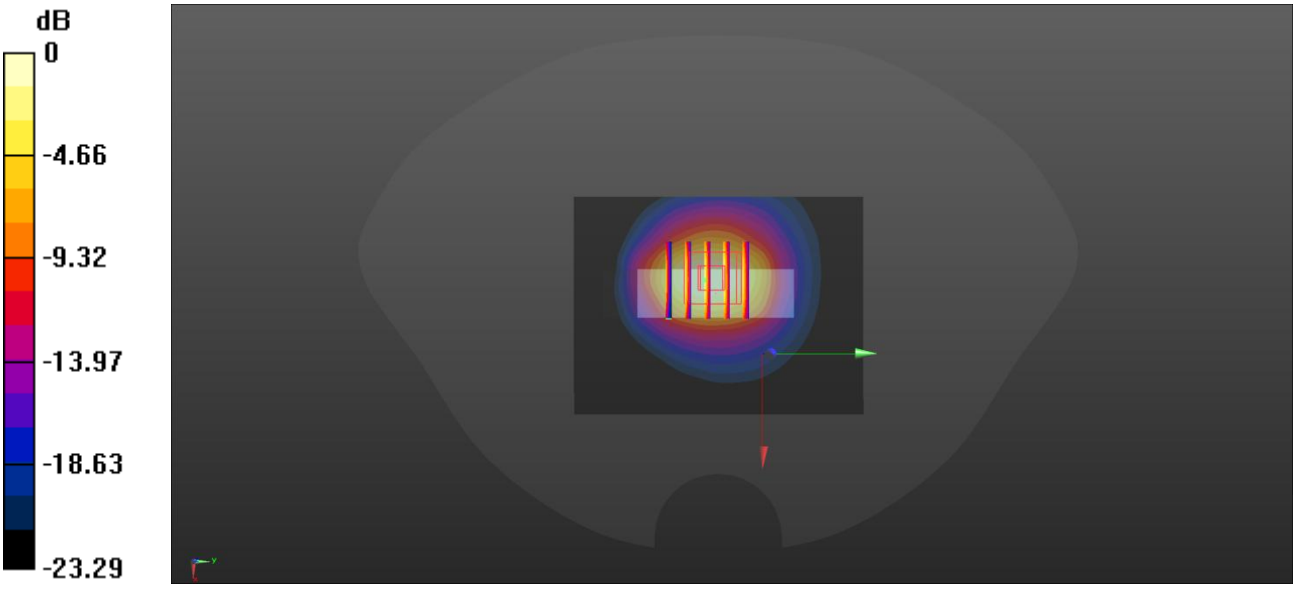
Ambient Temperature:21.5℃ Liquid Temperature:20.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.34, 7.59, 7.78); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch9400/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.05 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 58.64 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 9.27 W/kg
SAR(1 g) = 5.1 W/kg; SAR(10 g) = 2.56 W/kg
Maximum value of SAR (measured) = 7.58 W/kg



0 dB = 7.58 W/kg

Meas9.Head Right Cheek WCDMA B4 Ch1412
Date: 2025/2/13
Communication System Band: IV; Frequency: 1732.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.4 MHz; σ = 1.41 S/m; ε_r = 39.288; ρ = 1000 kg/m^3
Phantom section: Right Section

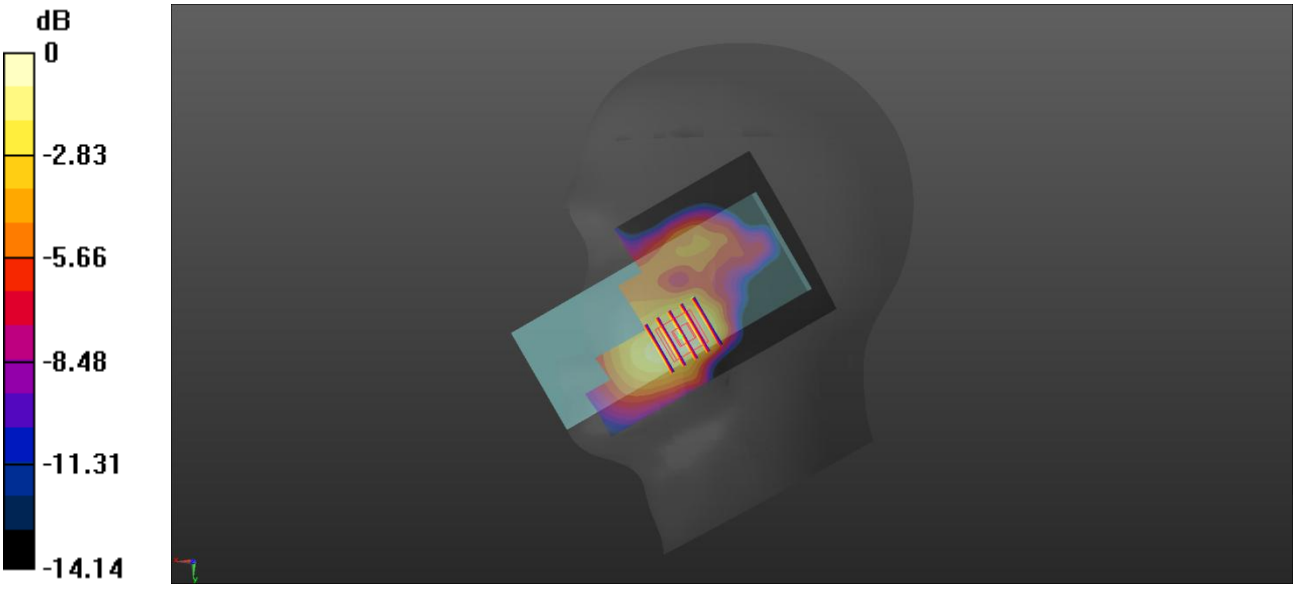
Ambient Temperature:22.5℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.57, 7.83, 8.02); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch1412/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.144 W/kg

Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.747 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.166 W/kg
SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.064 W/kg
Maximum value of SAR (measured) = 0.141 W/kg



0 dB = 0.141 W/kg

Meas10.Hotspot Bottom Side 10mm WCDMA B4 Ch1513
Date: 2025/2/13
Communication System Band: IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1752.6 MHz; σ = 1.415 S/m; ε_r = 39.281; ρ = 1000 kg/m^3
Phantom section: Flat Section

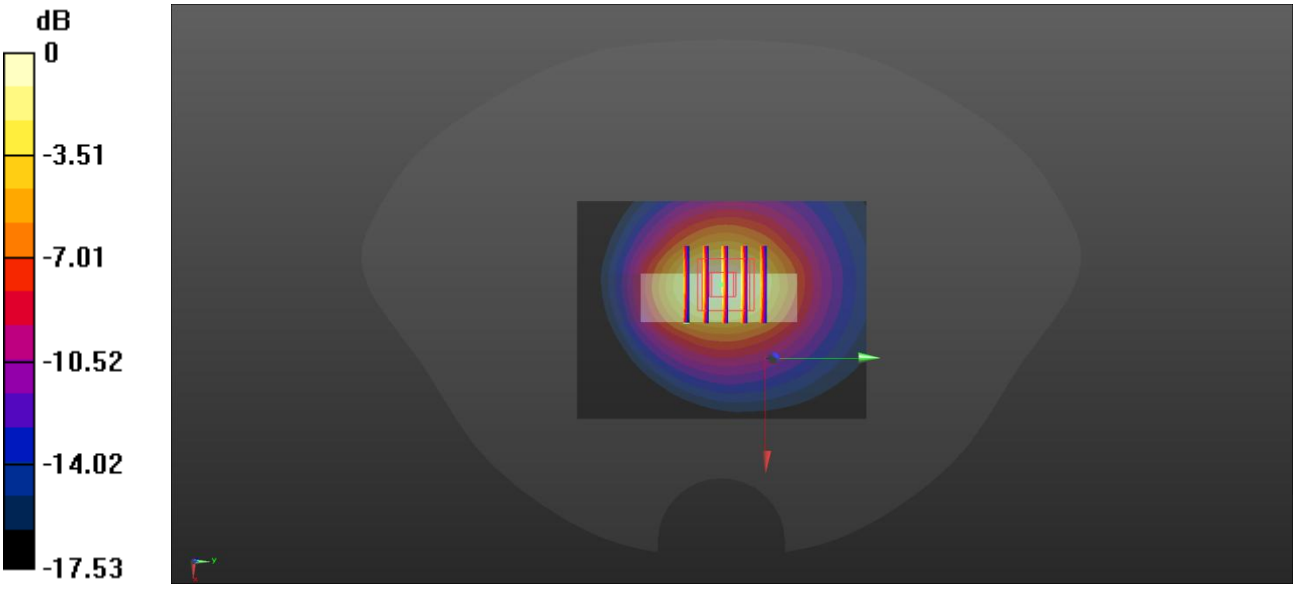
Ambient Temperature:22.5℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.57, 7.83, 8.02); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch1513/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.25 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.21 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.871 W/kg; SAR(10 g) = 0.495 W/kg
Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.28 W/kg

Meas11.Head Left Cheek WCDMA B5 Ch4183
Date: 2025/2/12
Communication System Band: V; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.908 S/m; ε_r = 40.986; ρ = 1000 kg/m^3
Phantom section: Left Section

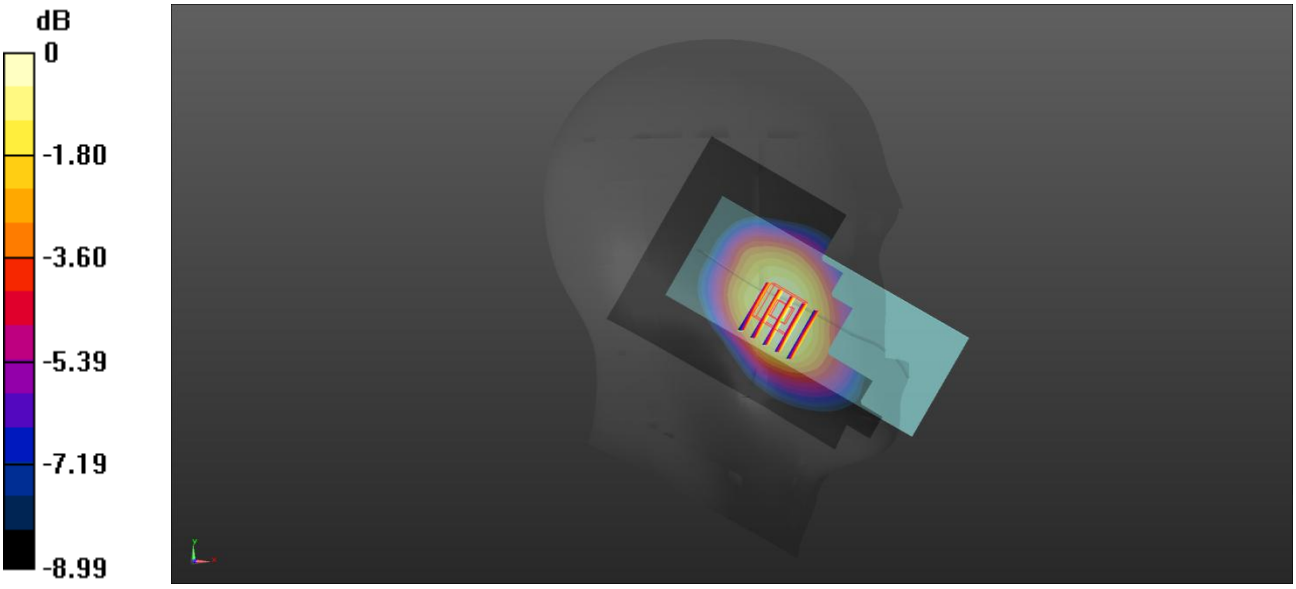
Ambient Temperature:22.1℃ Liquid Temperature:20.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.85, 9.15, 9.38); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch4183/Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.585 W/kg

Ch4183/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.999 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.617 W/kg
SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.384 W/kg
Maximum value of SAR (measured) = 0.581 W/kg



0 dB = 0.581 W/kg

Meas12.Hotspot Back Side 10mm WCDMA B5 Ch4183
Date: 2025/2/12
Communication System Band: V; Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.908 S/m; ε_r = 40.986; ρ = 1000 kg/m^3
Phantom section: Flat Section

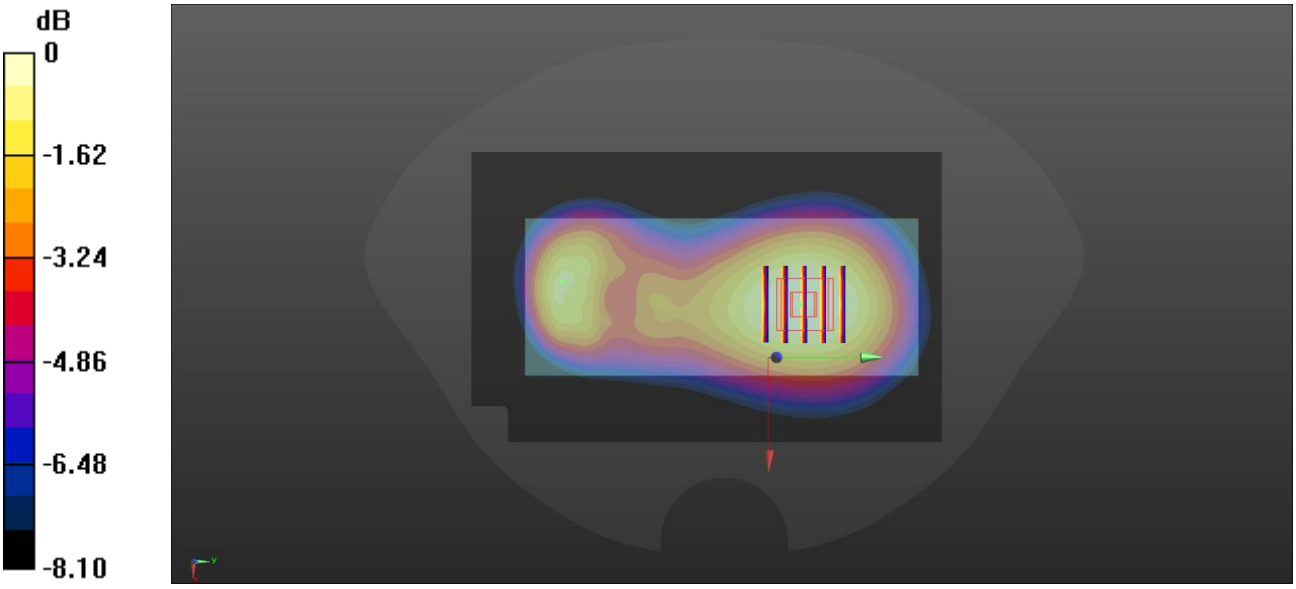
Ambient Temperature:22.1℃ Liquid Temperature:20.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.85, 9.15, 9.38); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch4183/Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.616 W/kg

Ch4183/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.70 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.663 W/kg
SAR(1 g) = 0.509 W/kg; SAR(10 g) = 0.378 W/kg
Maximum value of SAR (measured) = 0.615 W/kg



0 dB = 0.615 W/kg

Meas13.Head Right Cheek LTE B2 Ch18900
Date: 2025/2/15
Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.435 S/m; ε_r = 39.185; ρ = 1000 kg/m^3
Phantom section: Right Section

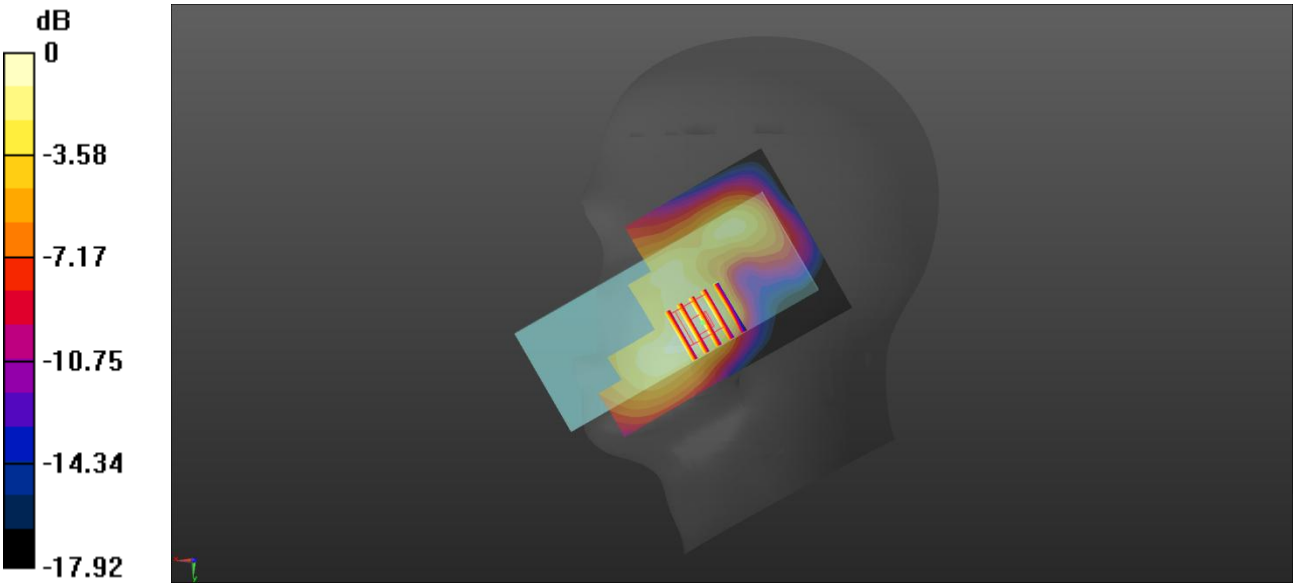
Ambient Temperature:21.5℃ Liquid Temperature:20.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.34, 7.59, 7.78); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch18900/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.220 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.492 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.235 W/kg
SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.096 W/kg
Maximum value of SAR (measured) = 0.205 W/kg



0 dB = 0.205 W/kg

Meas14.Hotspot Bottom Side 10mm LTE B2 Ch18700
Date: 2025/2/15
Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.443 S/m; ε_r = 39.208; ρ = 1000 kg/m^3
Phantom section: Flat Section

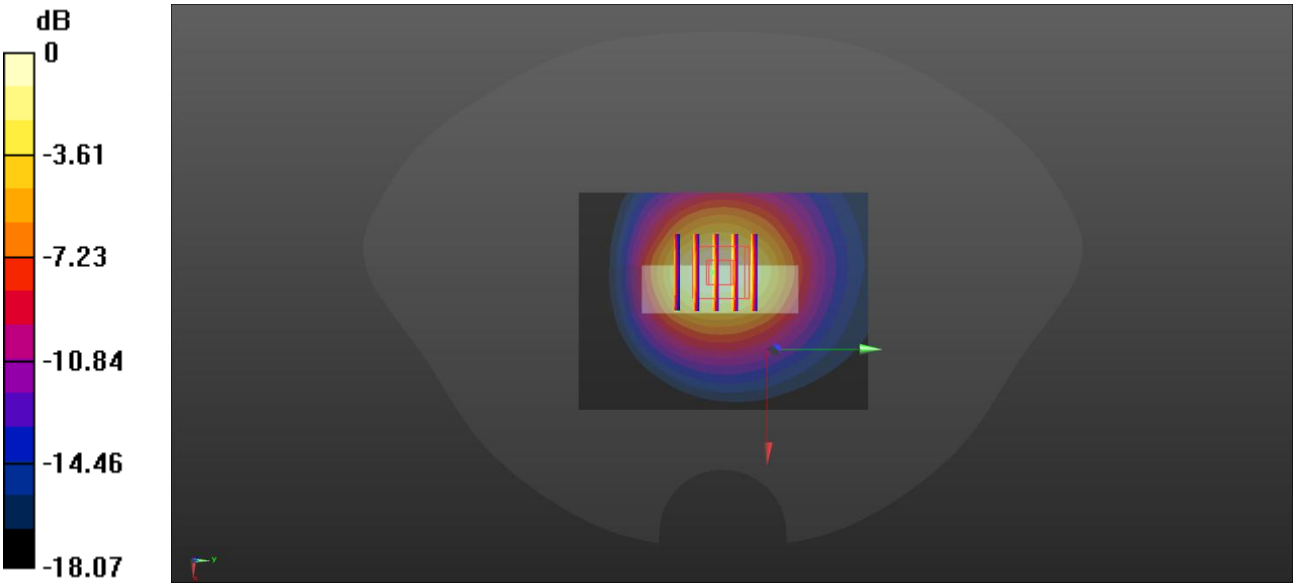
Ambient Temperature:21.5℃ Liquid Temperature:20.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.34, 7.59, 7.78); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch18700/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.50 W/kg

Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.55 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.74 W/kg
SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.585 W/kg
Maximum value of SAR (measured) = 1.47 W/kg



0 dB = 1.47 W/kg

Meas15.Extremity Bottom Side 0mm LTE B2 Ch18700
Date: 2025/2/15
Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.443 S/m; ε_r = 39.208; ρ = 1000 kg/m^3
Phantom section: Flat Section

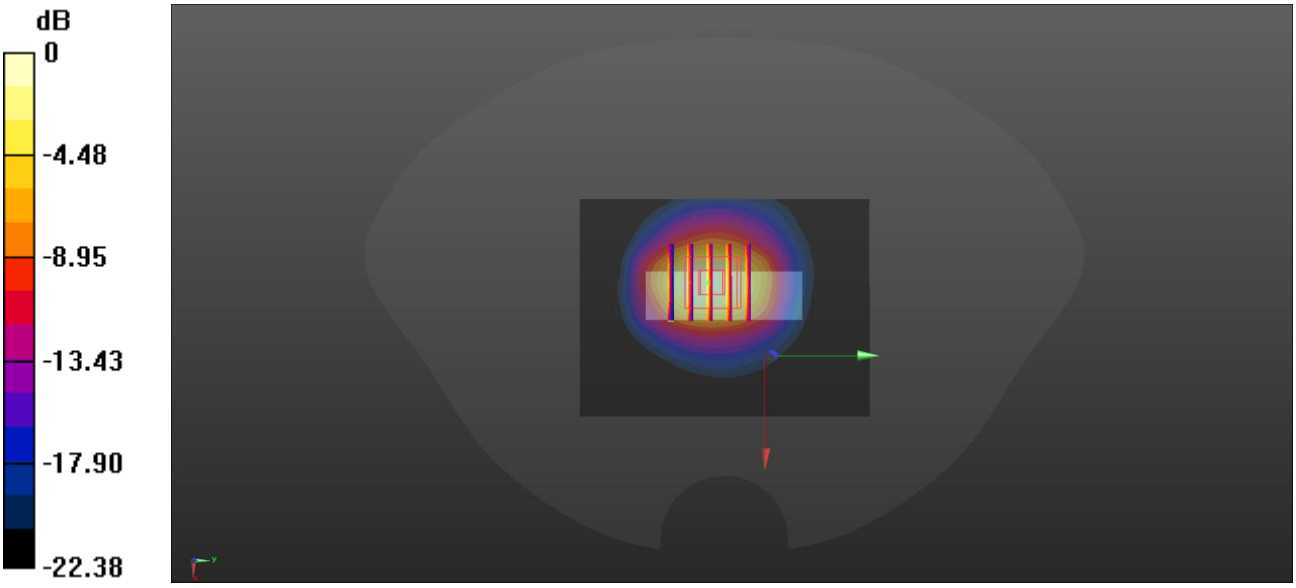
Ambient Temperature:21.5℃ Liquid Temperature:20.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.34, 7.59, 7.78); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch18700/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.80 W/kg

Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 57.80 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 9.58 W/kg
SAR(1 g) = 5.38 W/kg; SAR(10 g) = 2.72 W/kg
Maximum value of SAR (measured) = 8.01 W/kg



0 dB = 8.01 W/kg

Meas16.Head Left Cheek LTE B5 Ch20525
Date: 2025/2/12
Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.904 S/m; ε_r = 40.98; ρ = 1000 kg/m^3
Phantom section: Left Section

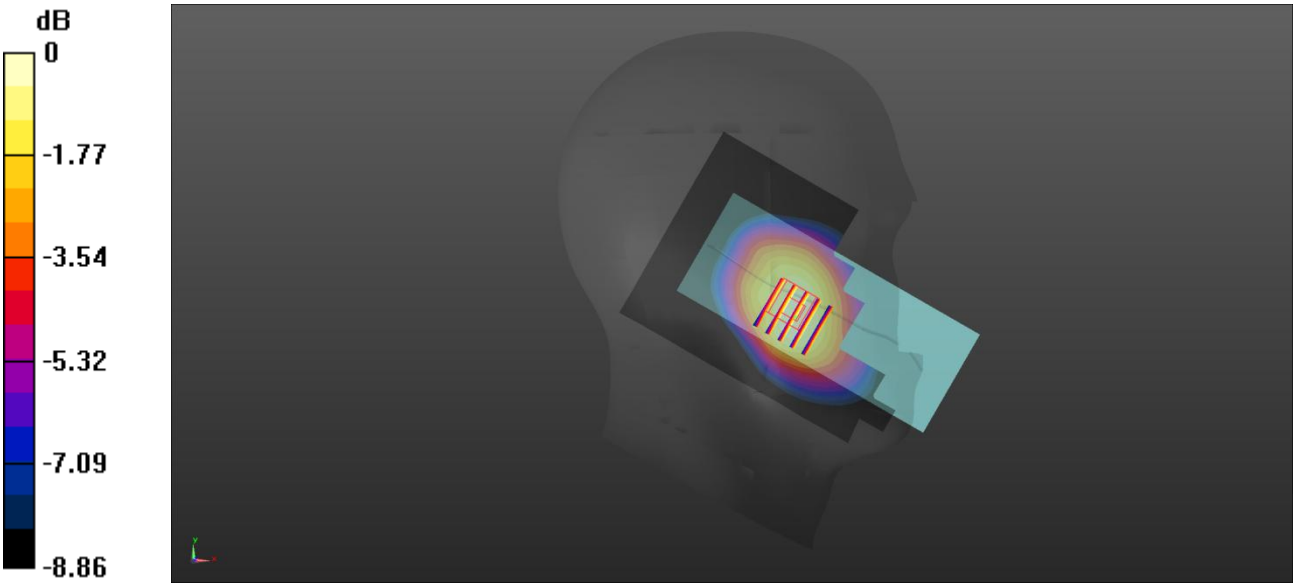
Ambient Temperature:22.1℃ Liquid Temperature:20.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.85, 9.15, 9.38); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch20525/Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.559 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.255 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.591 W/kg
SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.366 W/kg
Maximum value of SAR (measured) = 0.555 W/kg



0 dB = 0.555 W/kg

Meas17.Hotspot Back Side 10mm LTE B5 Ch20525
Date: 2025/2/12
Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.904 S/m; ε_r = 40.98; ρ = 1000 kg/m^3
Phantom section: Flat Section

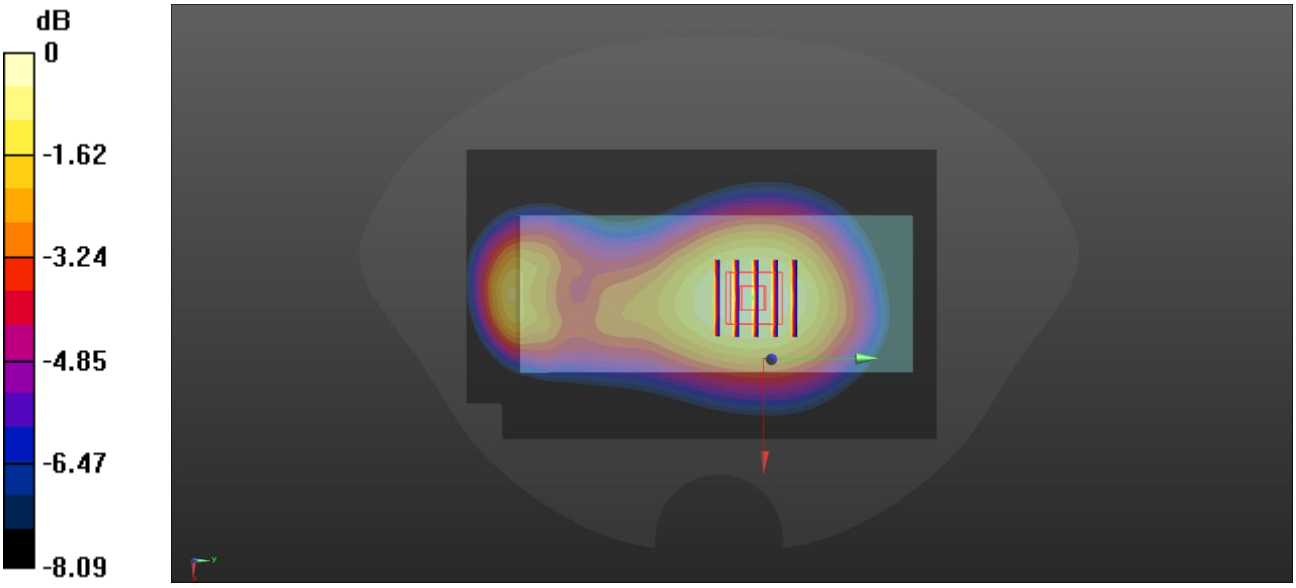
Ambient Temperature:22.1℃ Liquid Temperature:20.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.85, 9.15, 9.38); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch20525/Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.510 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.54 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.563 W/kg
SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.317 W/kg
Maximum value of SAR (measured) = 0.520 W/kg



0 dB = 0.520 W/kg

Meas18.Head Right Cheek LTE B7 Ch21100
Date: 2025/2/16
Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.953 S/m; ε_r = 38.168; ρ = 1000 kg/m^3
Phantom section: Right Section

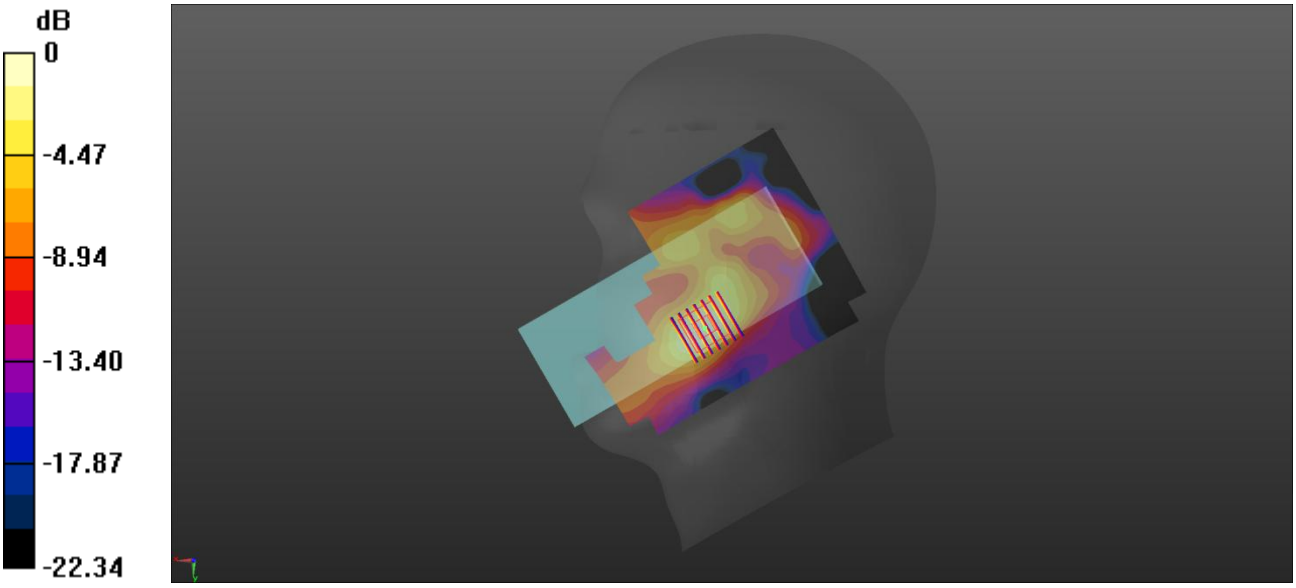
Ambient Temperature:22.0℃ Liquid Temperature:20.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.06, 7.3, 7.48); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch21100/Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.445 W/kg

Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.799 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.530 W/kg
SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.135 W/kg
Maximum value of SAR (measured) = 0.433 W/kg



0 dB = 0.433 W/kg

Meas19.Hotspot Bottom Side 10mm LTE B7 Ch21350
Date: 2025/2/16
Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.97 S/m; ε_r = 38.087; ρ = 1000 kg/m^3
Phantom section: Flat Section

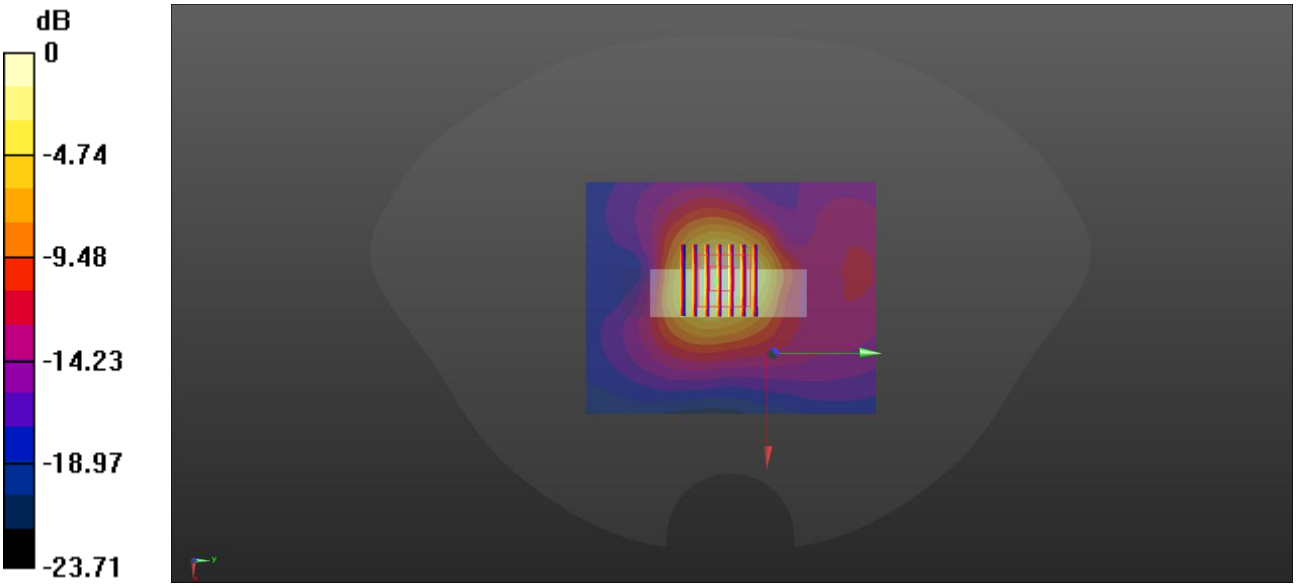
Ambient Temperature:22.0℃ Liquid Temperature:20.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.06, 7.3, 7.48); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch21350/Area Scan (81x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.64 W/kg

Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.83 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.84 W/kg
SAR(1 g) = 0.941 W/kg; SAR(10 g) = 0.463 W/kg
Maximum value of SAR (measured) = 1.50 W/kg



0 dB = 1.50 W/kg

Meas20.Head Left Cheek LTE B12 Ch23095
Date: 2025/2/14
Communication System Band: Band 12, E-UTRA/FDD (698.0 - 716.0 MHz); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 707.5 MHz; σ = 0.873 S/m; ε_r = 41.523; ρ = 1000 kg/m^3
Phantom section: Left Section

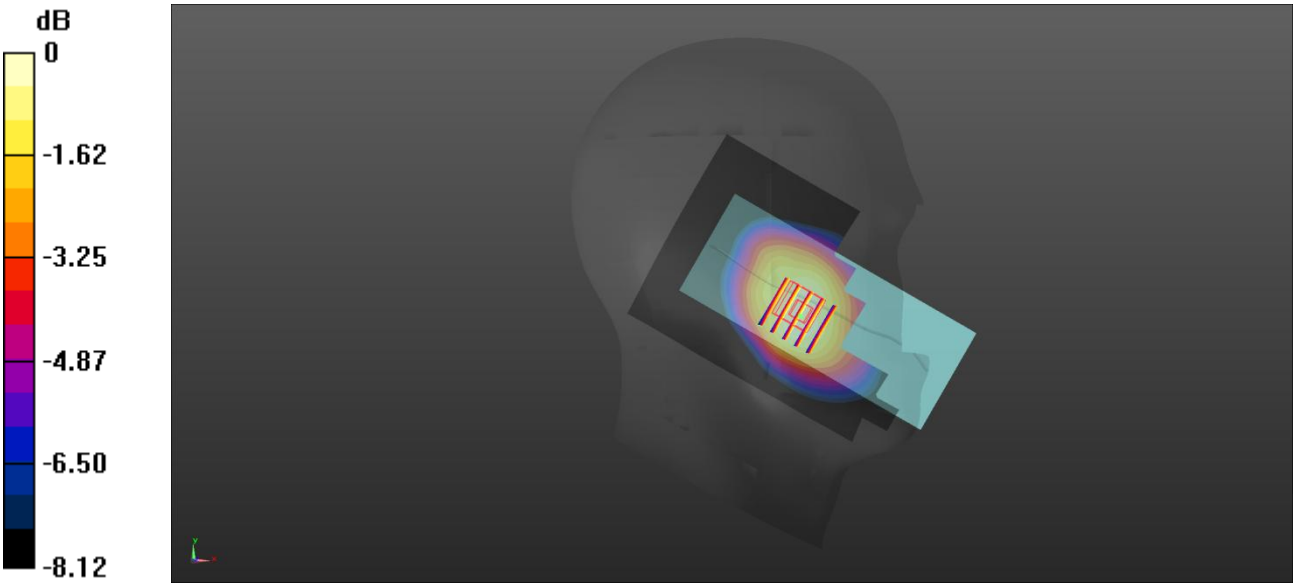
Ambient Temperature:21.8℃ Liquid Temperature:20.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.92, 9.23, 9.45); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch23095/Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.260 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.282 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.273 W/kg
SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.177 W/kg
Maximum value of SAR (measured) = 0.257 W/kg



0 dB = 0.257 W/kg

Meas21.Hotspot Back Side 10mm LTE B12 Ch23095
Date: 2025/2/14
Communication System Band: Band 12, E-UTRA/FDD (698.0 - 716.0 MHz); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 707.5 MHz; σ = 0.873 S/m; ε_r = 41.523; ρ = 1000 kg/m^3
Phantom section: Flat Section

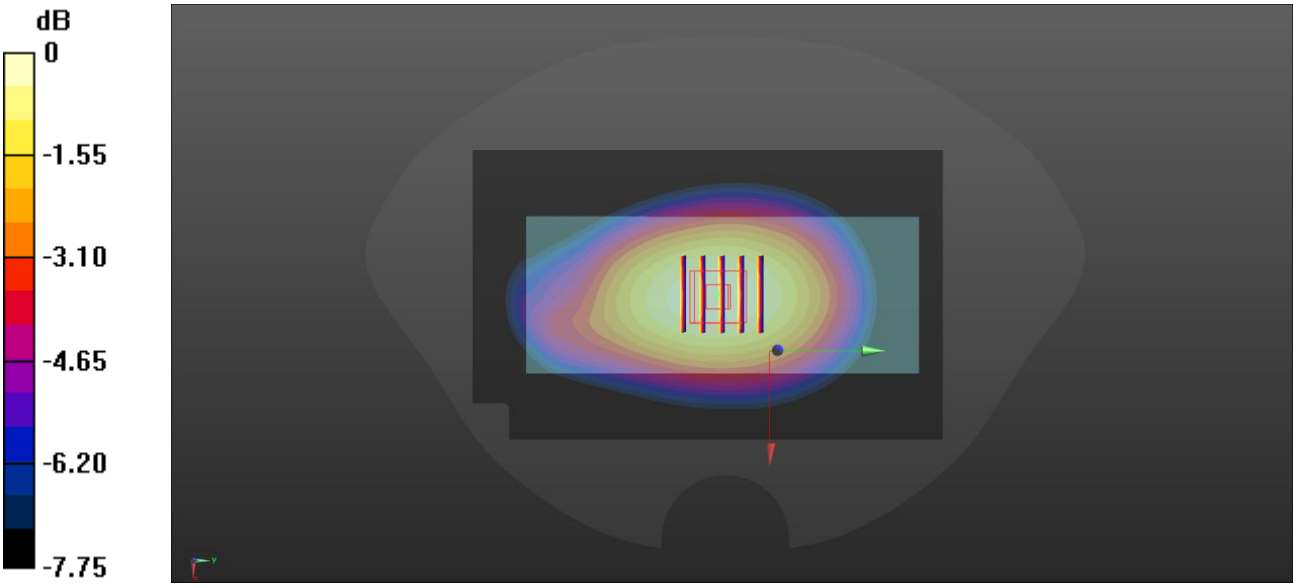
Ambient Temperature:21.8℃ Liquid Temperature:20.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.92, 9.23, 9.45); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch23095/Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.476 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.68 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.515 W/kg
SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.295 W/kg
Maximum value of SAR (measured) = 0.474 W/kg



0 dB = 0.474 W/kg

Meas22.Head Right Cheek LTE B66 Ch132322
Date: 2025/2/13
Communication System Band: Band66; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1745 MHz; σ = 1.413 S/m; ε_r = 39.282; ρ = 1000 kg/m^3
Phantom section: Right Section

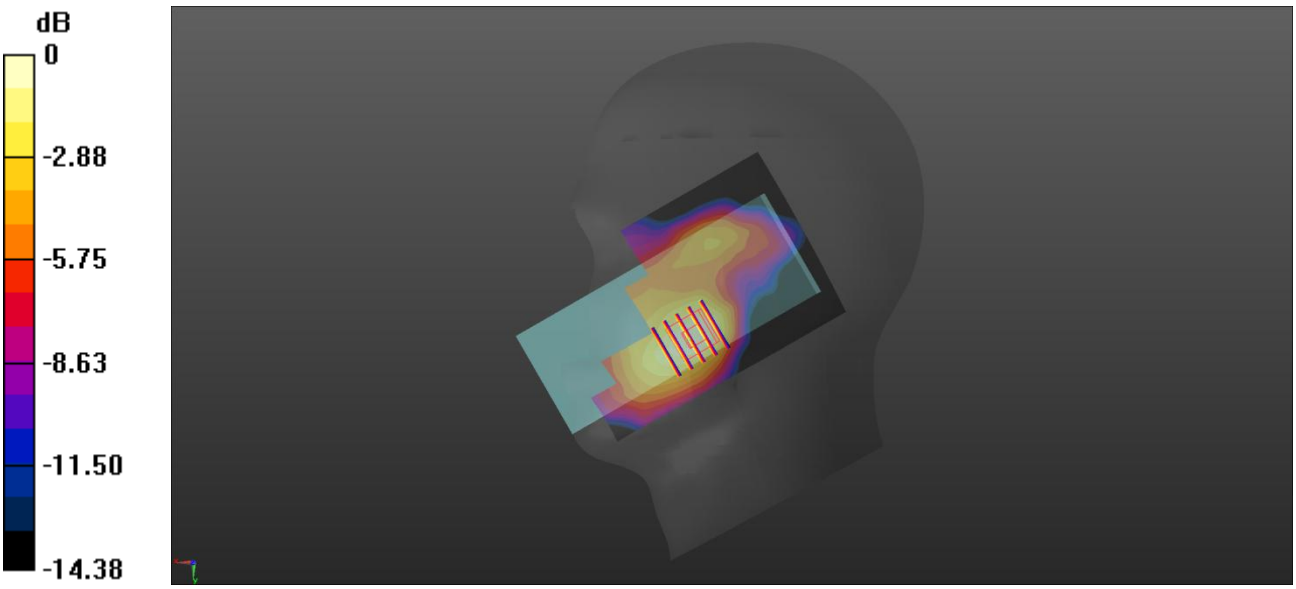
Ambient Temperature:22.5℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.57, 7.83, 8.02); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch132322/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.199 W/kg

Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.148 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.222 W/kg
SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.088 W/kg
Maximum value of SAR (measured) = 0.190 W/kg



0 dB = 0.190 W/kg

Meas23.Hotspot Bottom Side 10mm LTE B66 Ch132072
Date: 2025/2/13
Communication System Band: Band66; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1720 MHz; σ = 1.4 S/m; ε_r = 39.311; ρ = 1000 kg/m^3
Phantom section: Flat Section

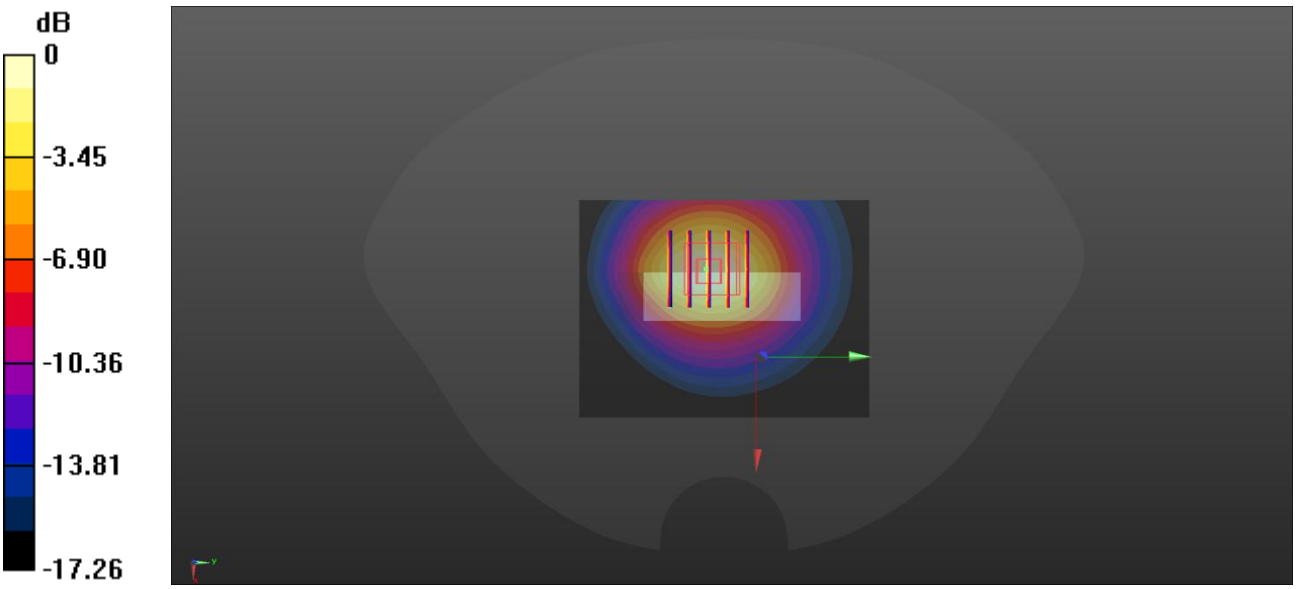
Ambient Temperature:22.5℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.57, 7.83, 8.02); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch132072/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.41 W/kg

Ch132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.91 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 0.938 W/kg; SAR(10 g) = 0.535 W/kg
Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg

Meas24.Head Left Cheek LTE B71 Ch133322
Date: 2025/2/14
Communication System Band: Band 71; Frequency: 683 MHz;Duty Cycle: 1:1
Medium parameters used: f = 683 MHz; σ = 0.868 S/m; ε_r = 41.637; ρ = 1000 kg/m^3
Phantom section: Left Section

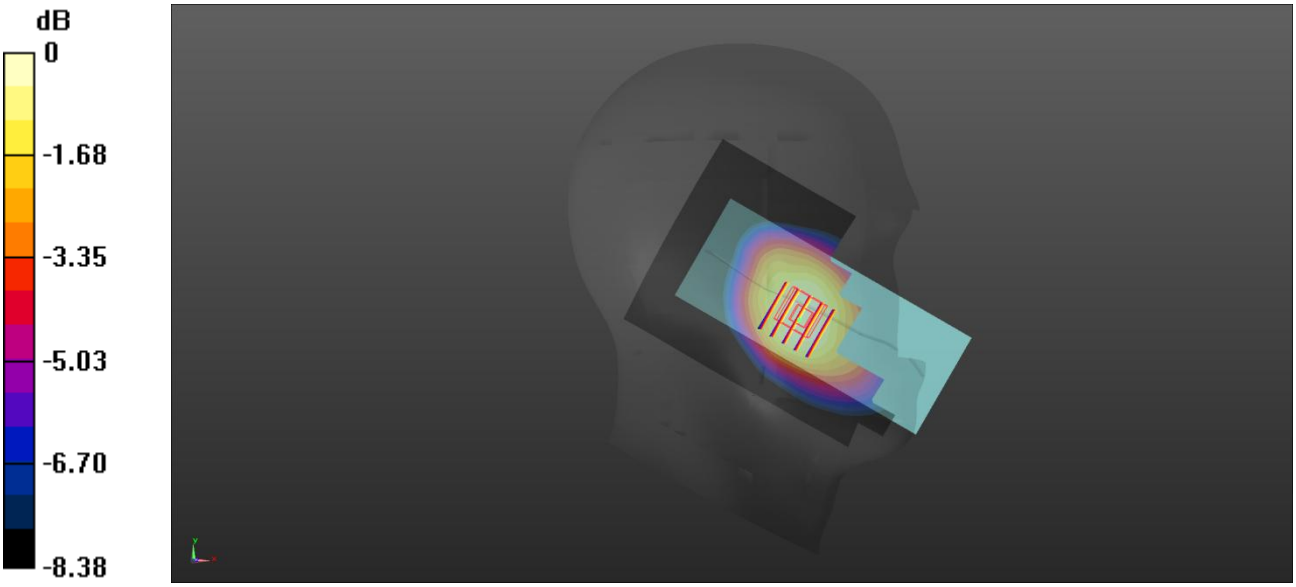
Ambient Temperature:21.8℃ Liquid Temperature:20.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.92, 9.23, 9.45); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch133322/Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.390 W/kg

Ch133322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.808 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.410 W/kg
SAR(1 g) = 0.338 W/kg; SAR(10 g) = 0.265 W/kg
Maximum value of SAR (measured) = 0.388 W/kg



0 dB = 0.388 W/kg

Meas25.Hotspot Back Side 10mm LTE B71 Ch133322
Date: 2025/2/14
Communication System Band: Band 71; Frequency: 683 MHz;Duty Cycle: 1:1
Medium parameters used: f = 683 MHz; σ = 0.868 S/m; ε_r = 41.637; ρ = 1000 kg/m^3
Phantom section: Flat Section

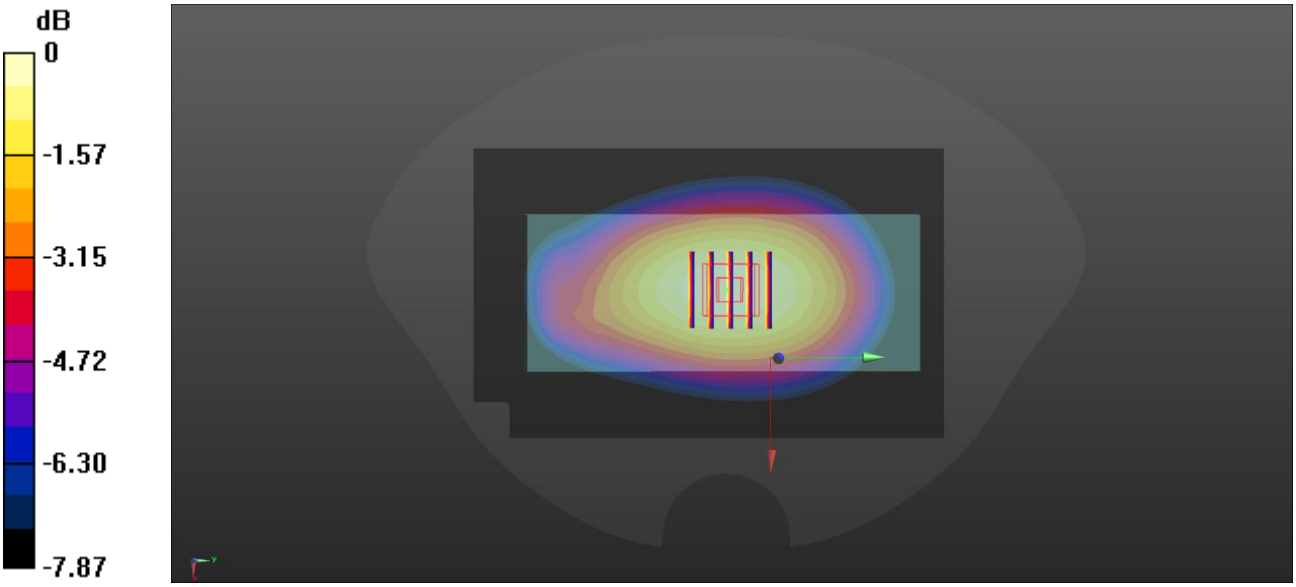
Ambient Temperature:21.8℃ Liquid Temperature:20.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(8.92, 9.23, 9.45); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch133322/Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.543 W/kg

Ch133322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.36 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.593 W/kg
SAR(1 g) = 0.449 W/kg; SAR(10 g) = 0.336 W/kg
Maximum value of SAR (measured) = 0.547 W/kg



0 dB = 0.547 W/kg

Meas26.Head Left Cheek LTE B41 Ch40620
Date: 2025/2/16
Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2593 MHz;Duty Cycle: 1:1.58
Medium parameters used: f = 2593 MHz; σ = 1.997 S/m; ε_r = 38.016; ρ = 1000 kg/m^3
Phantom section: Left Section

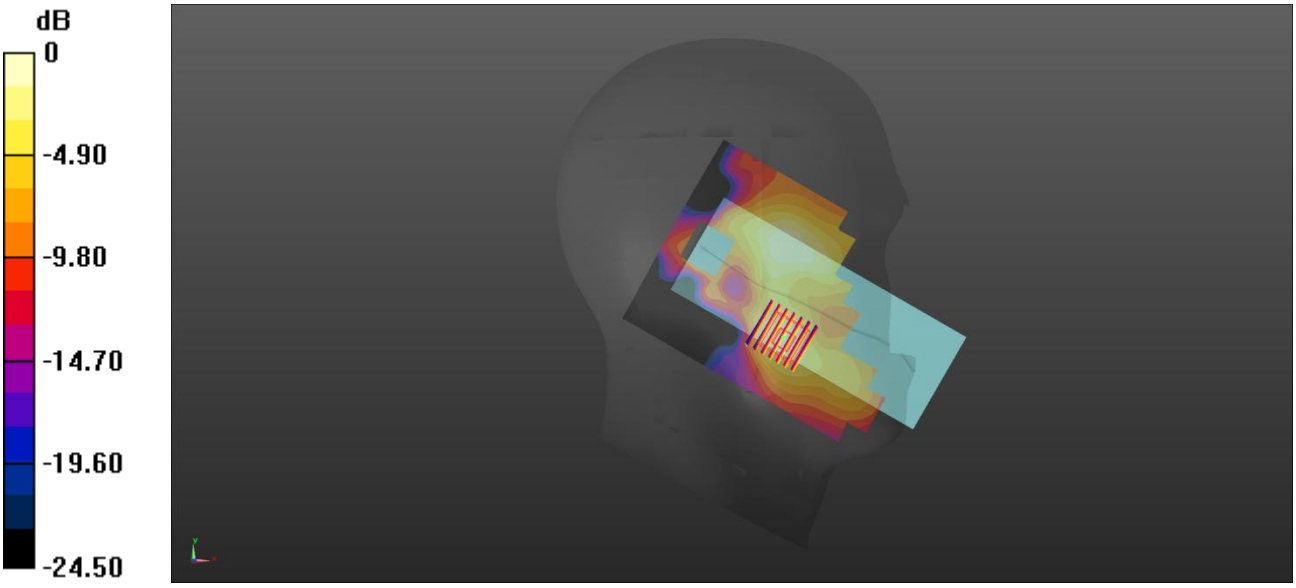
Ambient Temperature:22.0℃ Liquid Temperature:20.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.06, 7.3, 7.48); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch40620/Area Scan (101x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.196 W/kg

Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.021 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.236 W/kg
SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.058 W/kg
Maximum value of SAR (measured) = 0.189 W/kg



0 dB = 0.189 W/kg

Meas27.Hotspot Bottom Side 10mm LTE B41 Ch40620
Date: 2025/2/17
Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2593 MHz;Duty Cycle: 1:1.58
Medium parameters used: f = 2593 MHz; σ = 1.979 S/m; ε_r = 38.326; ρ = 1000 kg/m^3
Phantom section: Flat Section

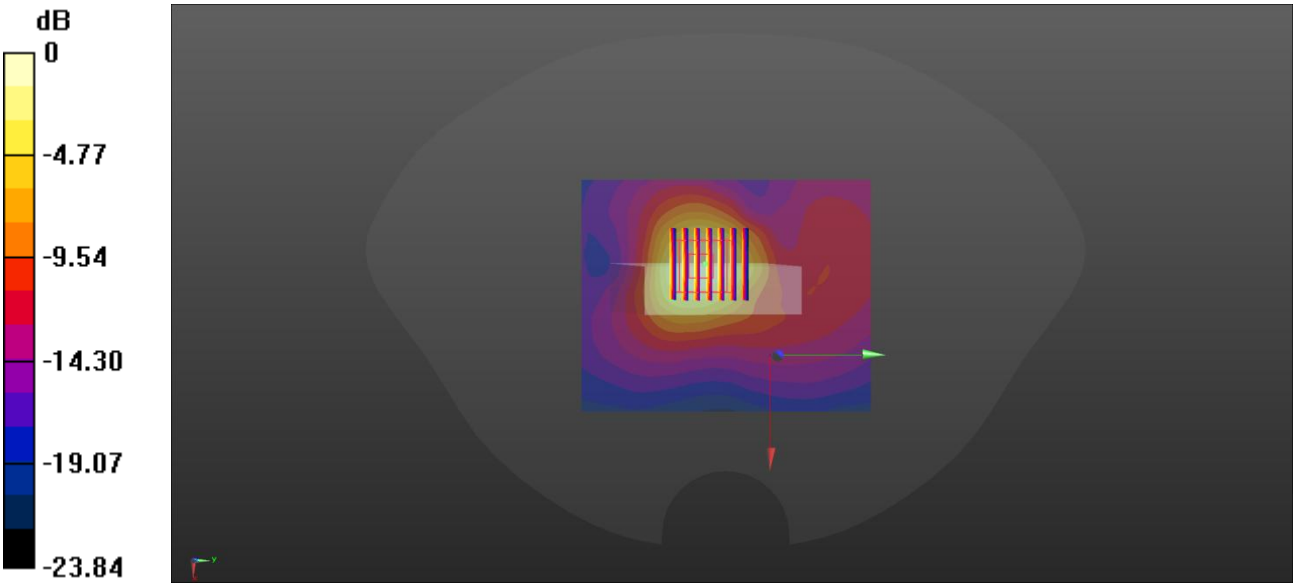
Ambient Temperature:22.6℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(7.06, 7.3, 7.48); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch40620/Area Scan (81x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.954 W/kg

Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.76 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.574 W/kg; SAR(10 g) = 0.279 W/kg
Maximum value of SAR (measured) = 0.899 W/kg



0 dB = 0.899 W/kg

Meas28.Head Left Cheek WIFI 2.4G Ch6
Date: 2025/2/17
Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.007
Medium parameters used: f = 2437 MHz; σ = 1.838 S/m; ε_r = 38.705; ρ = 1000 kg/m^3
Phantom section: Left Section

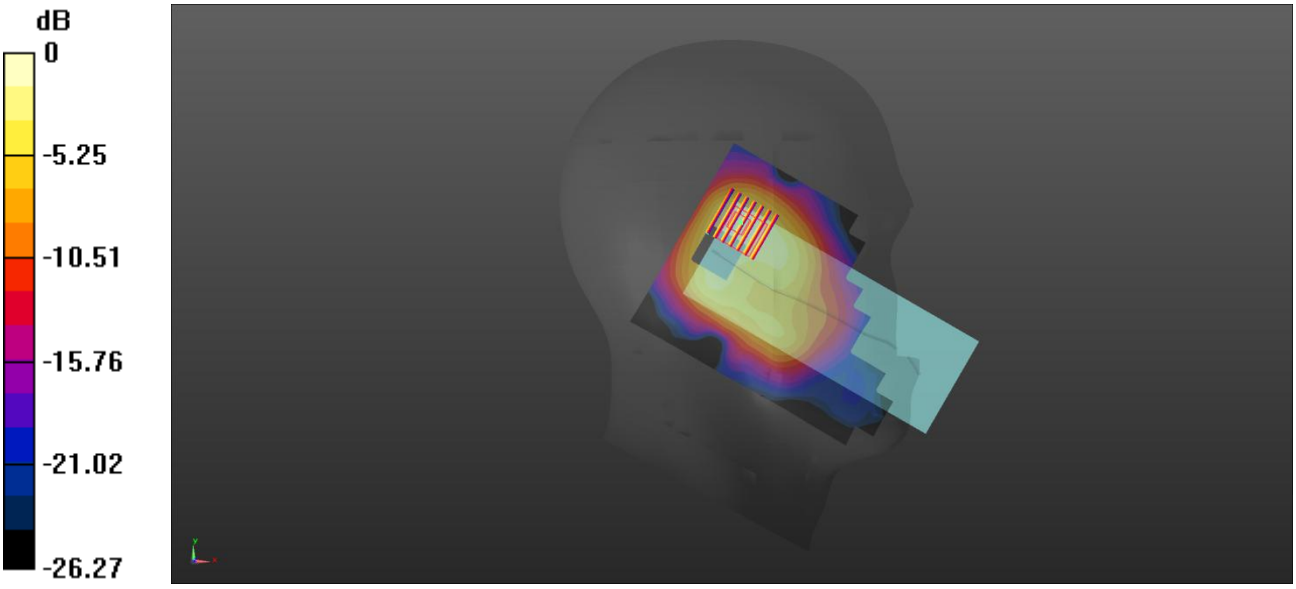
Ambient Temperature:22.6℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(6.98, 7.22, 7.4); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch6/Area Scan (101x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.787 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.46 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.941 W/kg
SAR(1 g) = 0.454 W/kg; SAR(10 g) = 0.231 W/kg
Maximum value of SAR (measured) = 0.740 W/kg



0 dB = 0.740 W/kg

Meas29.Hotspot Back Side 10mm WLAN2.4G Ch6
Date: 2025/2/17
Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.007
Medium parameters used: f = 2437 MHz; σ = 1.838 S/m; ε_r = 38.705; ρ = 1000 kg/m^3
Phantom section: Flat Section

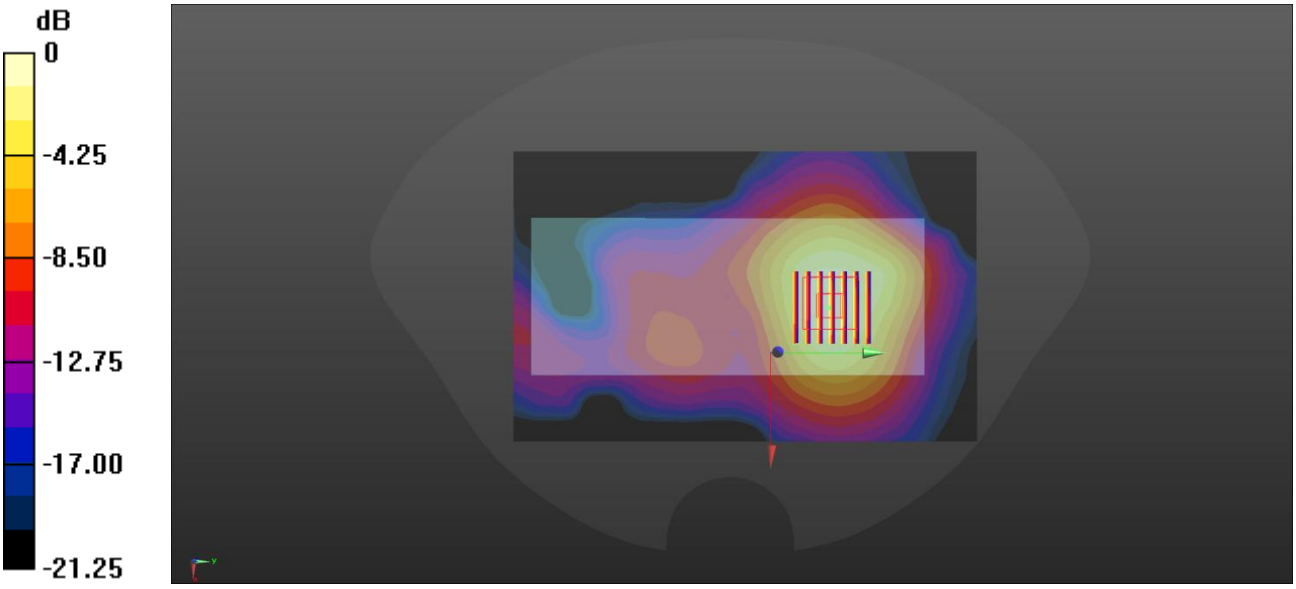
Ambient Temperature:22.6℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(6.98, 7.22, 7.4); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch6/Area Scan (101x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.263 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.113 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.327 W/kg
SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.097 W/kg
Maximum value of SAR (measured) = 0.271 W/kg



0 dB = 0.271 W/kg

Meas30.Head Left Cheek WIFI 5.3G Ch52
Date: 2025/2/18
Communication System Band: WLAN(a); Frequency: 5260 MHz;Duty Cycle: 1:1.032
Medium parameters used: f = 5260 MHz; σ = 4.794 S/m; ε_r = 34.837; ρ = 1000 kg/m^3
Phantom section: Left Section

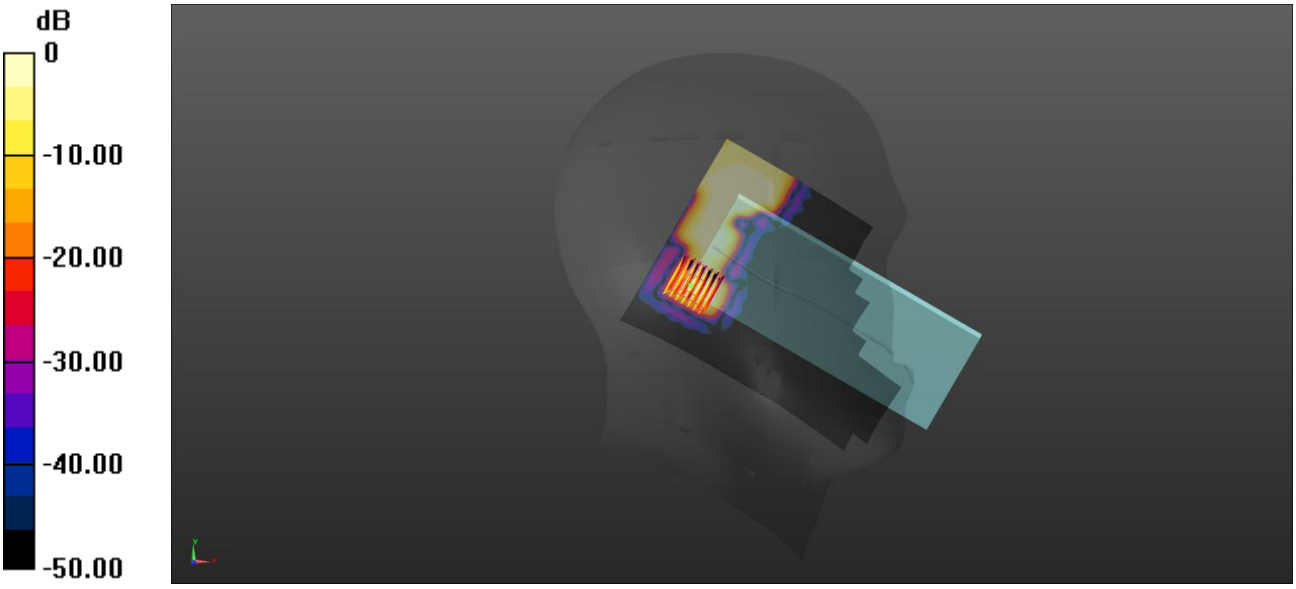
Ambient Temperature:23.0℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(5.44, 5.62, 5.76); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch52/Area Scan (121x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.423 W/kg

Ch52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.117 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.436 W/kg
SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.024 W/kg
Maximum value of SAR (measured) = 0.200 W/kg



0 dB = 0.200 W/kg

Meas31.Head Left Cheek WIFI 5.6G Ch140
Date: 2025/2/19
Communication System Band: WLAN(a); Frequency: 5700 MHz;Duty Cycle: 1:1.032
Medium parameters used: f = 5700 MHz; σ = 5.263 S/m; ε_r = 34.218; ρ = 1000 kg/m^3
Phantom section: Left Section

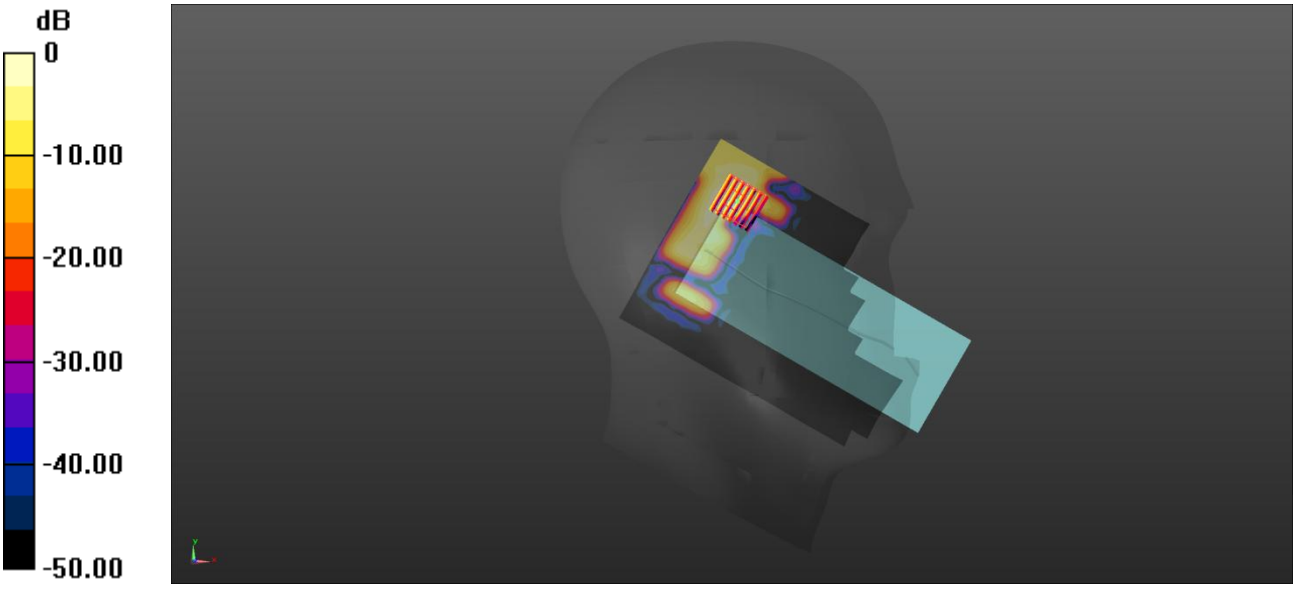
Ambient Temperature:22.7℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(4.98, 5.15, 5.27); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch140/Area Scan (121x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.900 W/kg

Ch140/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.305 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.077 W/kg
Maximum value of SAR (measured) = 0.631 W/kg



0 dB = 0.631 W/kg

Meas32.Head Left Cheek WIFI 5.8G Ch157
Date: 2025/2/19
Communication System Band: WLAN(a); Frequency: 5785 MHz;Duty Cycle: 1:1.032
Medium parameters used: f = 5785 MHz; σ = 5.349 S/m; ε_r = 34.261; ρ = 1000 kg/m^3
Phantom section: Left Section

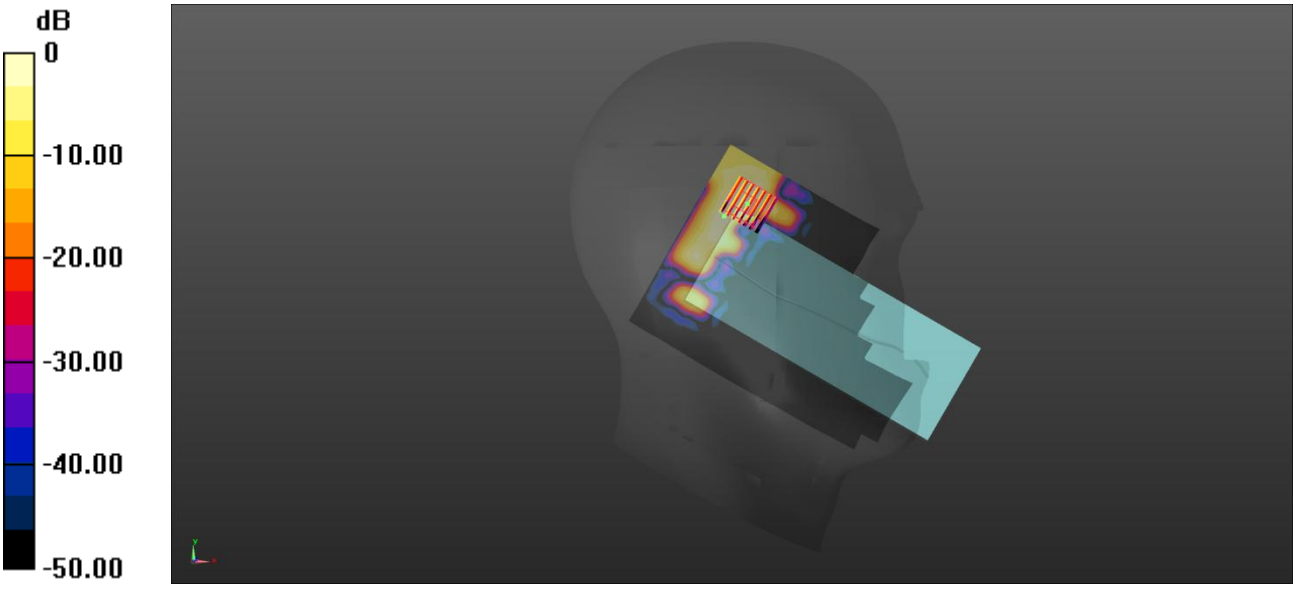
Ambient Temperature:22.7℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(4.98, 5.15, 5.27); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch157/Area Scan (121x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.680 W/kg

Ch157/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.262 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.068 W/kg
Maximum value of SAR (measured) = 0.563 W/kg



0 dB = 0.563 W/kg

Meas33.Body-wron Back Side 10mm WLAN5.3G Ch52
Date: 2025/2/18
Communication System Band: WLAN(a); Frequency: 5260 MHz;Duty Cycle: 1:1.032
Medium parameters used: f = 5260 MHz; σ = 4.794 S/m; ε_r = 34.837; ρ = 1000 kg/m^3
Phantom section: Flat Section

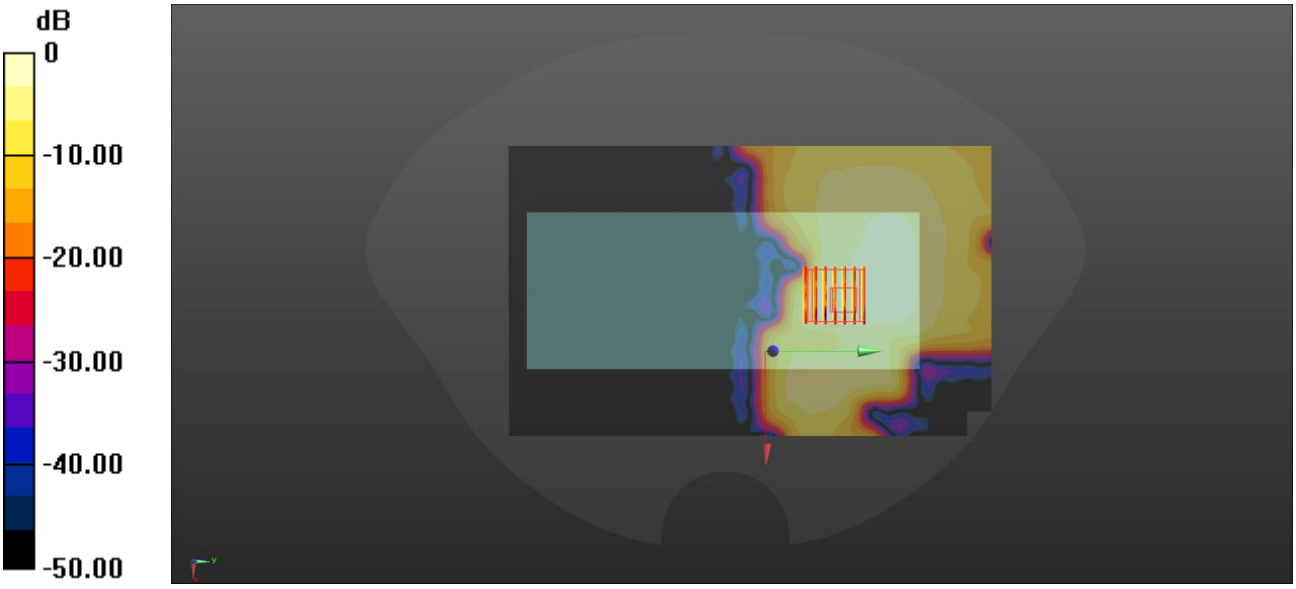
Ambient Temperature:23.0℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(5.44, 5.62, 5.76); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch52/Area Scan (121x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.267 W/kg

Ch52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.458 W/kg
SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.036 W/kg
Maximum value of SAR (measured) = 0.250 W/kg



0 dB = 0.250 W/kg

Meas34.Body-wron Back Side 10mm WLAN5.6G Ch140
Date: 2025/2/19
Communication System Band: WLAN(a); Frequency: 5700 MHz;Duty Cycle: 1:1.032
Medium parameters used: f = 5700 MHz; σ = 5.263 S/m; ε_r = 34.218; ρ = 1000 kg/m^3
Phantom section: Flat Section

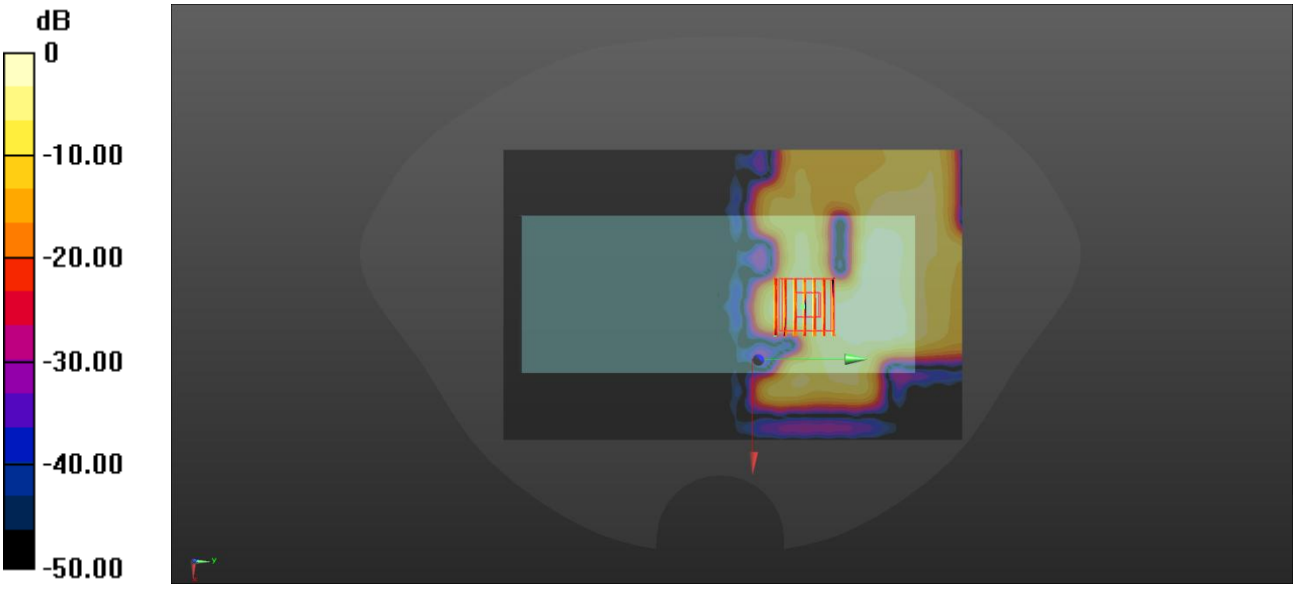
Ambient Temperature:22.7℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(4.98, 5.15, 5.27); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch140/Area Scan (121x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.369 W/kg

Ch140/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.033 W/kg
Maximum value of SAR (measured) = 0.277 W/kg



0 dB = 0.277 W/kg

Meas35.Body-worn Back Side 10mm WLAN5.8G Ch157
Date: 2025/2/19
Communication System Band: WLAN(a); Frequency: 5785 MHz;Duty Cycle: 1:1.032
Medium parameters used (interpolated): f = 5785 MHz; σ = 5.349 S/m; ε_r = 34.261; ρ = 1000 kg/m^3
Phantom section: Flat Section

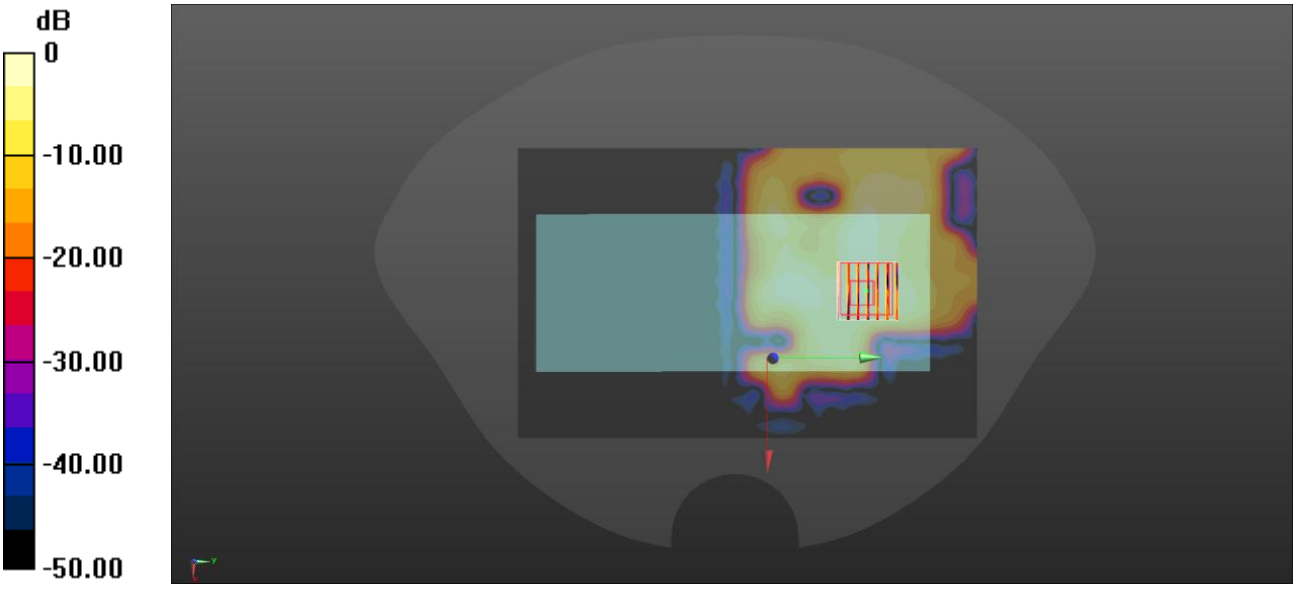
Ambient Temperature:22.7℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(4.98, 5.15, 5.27); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch157/Area Scan (121x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.278 W/kg

Ch157/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.549 W/kg
SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.039 W/kg
Maximum value of SAR (measured) = 0.288 W/kg



0 dB = 0.288 W/kg = -5.41 dBW/kg

Meas36.Hotspot Back Side 10mm WLAN5.2G Ch36
Date: 2025/2/18
Communication System Band: WLAN(a); Frequency: 5180 MHz;Duty Cycle: 1:1.032
Medium parameters used: f = 5180 MHz; σ = 4.713 S/m; ε_r = 34.87; ρ = 1000 kg/m^3
Phantom section: Flat Section

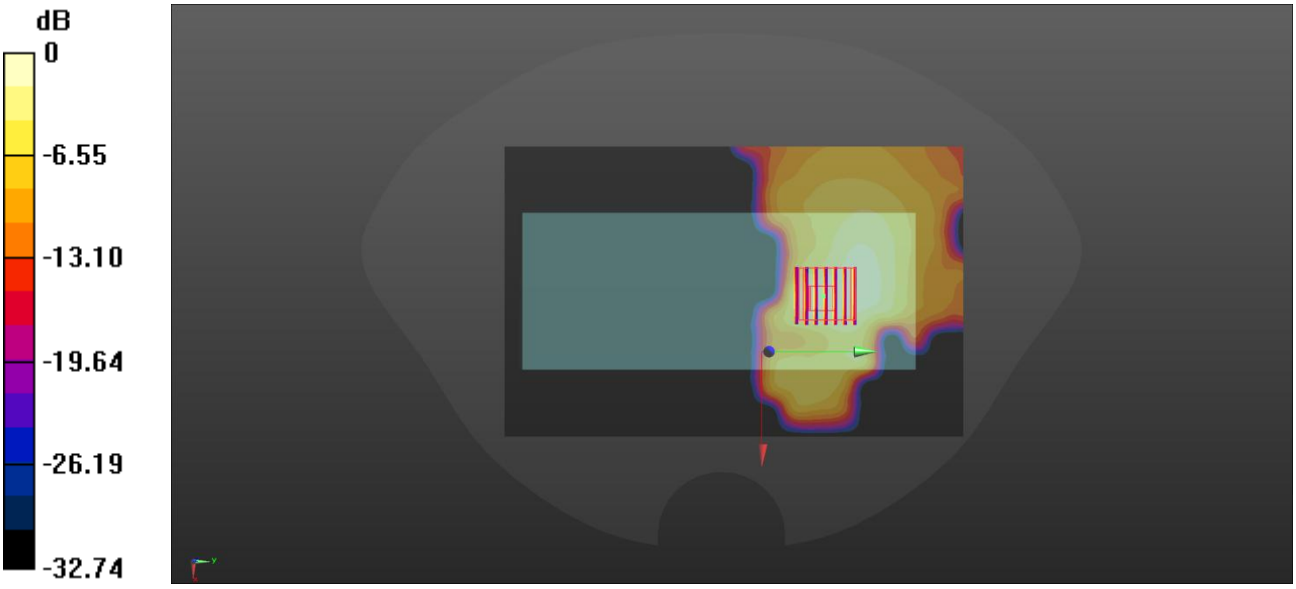
Ambient Temperature:23.0℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(5.44, 5.62, 5.76); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch36/Area Scan (121x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.233 W/kg

Ch36/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.412 W/kg
SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.035 W/kg
Maximum value of SAR (measured) = 0.219 W/kg



0 dB = 0.219 W/kg

Meas37.Hotspot Right Side 10mm WLAN5.8G Ch157
Date: 2025/2/19
Communication System Band: WLAN(a); Frequency: 5785 MHz;Duty Cycle: 1:1.032
Medium parameters used: f = 5785 MHz; σ = 5.349 S/m; ε_r = 34.261; ρ = 1000 kg/m^3
Phantom section: Flat Section

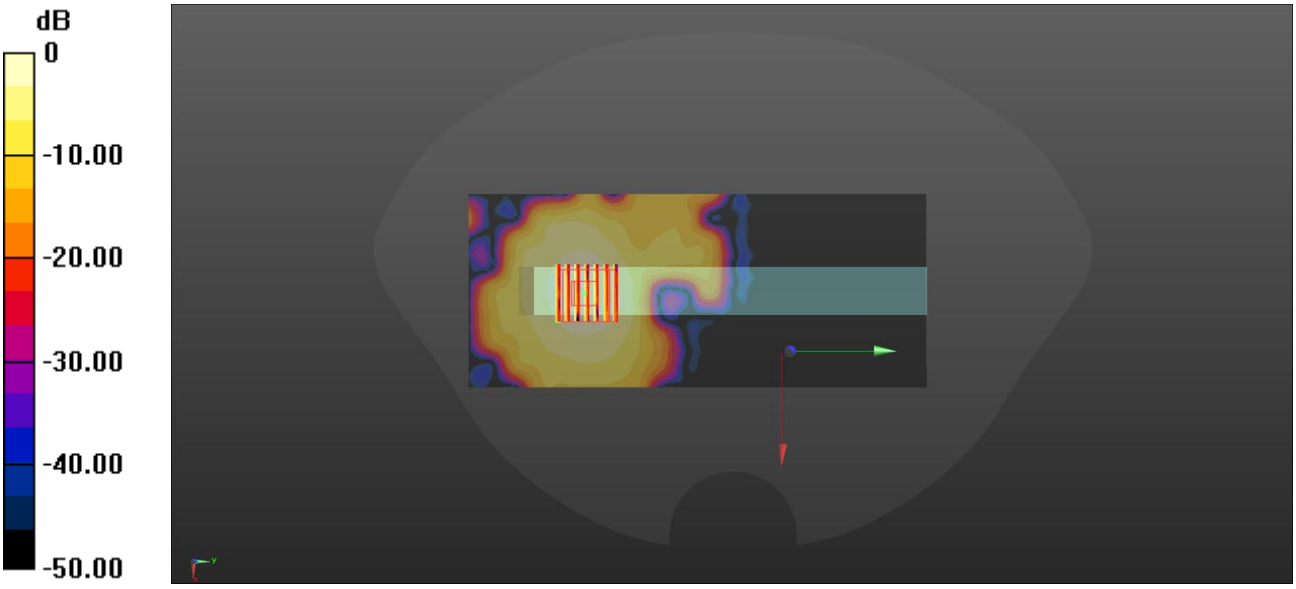
Ambient Temperature:22.7℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(4.98, 5.15, 5.27); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch157/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.387 W/kg

Ch157/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.697 W/kg
SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.067 W/kg
Maximum value of SAR (measured) = 0.393 W/kg



0 dB = 0.393 W/kg

Meas38.Extremity Top Side 0mm WLAN5.3G Ch52
Date: 2025/2/18
Communication System Band: WLAN(a); Frequency: 5260 MHz;Duty Cycle: 1:1.032
Medium parameters used: f = 5260 MHz; σ = 4.794 S/m; ε_r = 34.837; ρ = 1000 kg/m^3
Phantom section: Flat Section

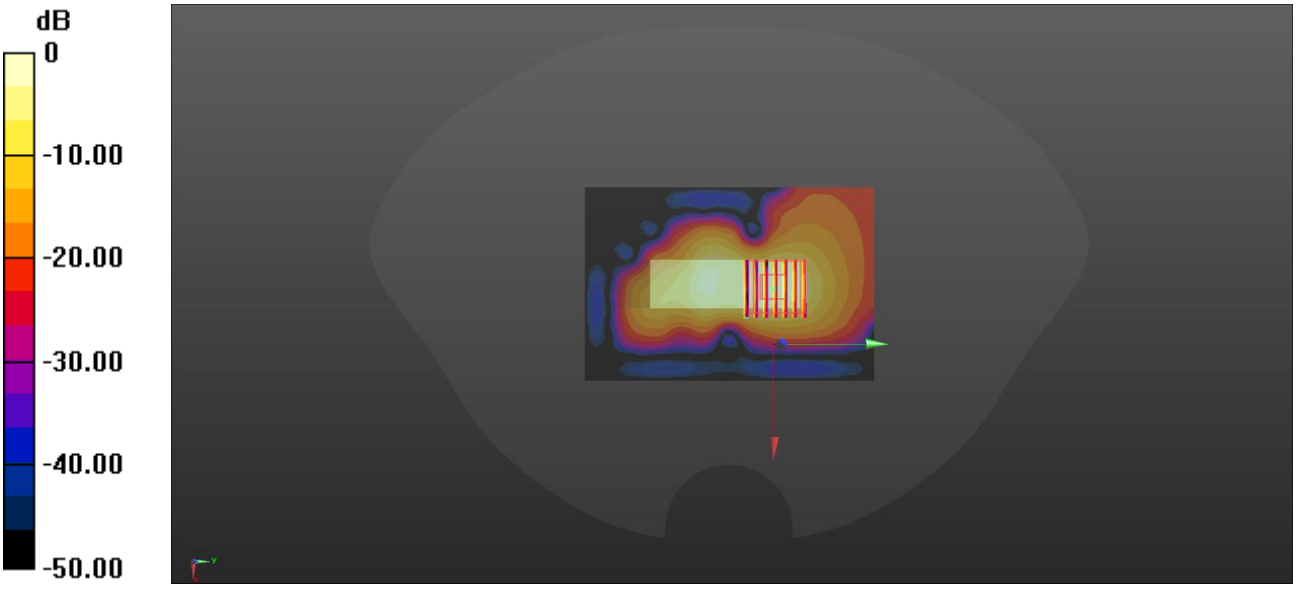
Ambient Temperature:23.0℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(5.44, 5.62, 5.76); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch52/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.09 W/kg

Ch52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 7.437 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 3.38 W/kg
SAR(1 g) = 0.749 W/kg; SAR(10 g) = 0.220 W/kg
Maximum value of SAR (measured) = 1.81 W/kg



0 dB = 1.81 W/kg

Meas39.Extremity Top Side 0mm WLAN5.6G Ch140
Date: 2025/2/19
Communication System Band: WLAN(a); Frequency: 5700 MHz;Duty Cycle: 1:1.032
Medium parameters used: f = 5700 MHz; σ = 5.263 S/m; ε_r = 34.218; ρ = 1000 kg/m^3
Phantom section: Flat Section

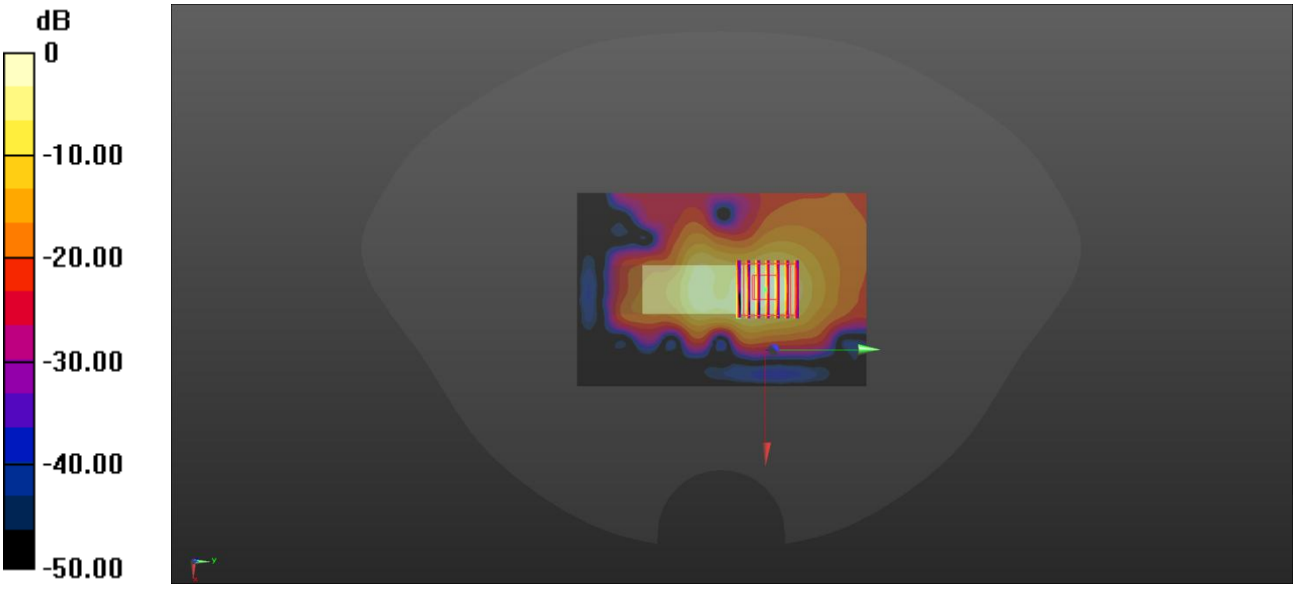
Ambient Temperature:22.7℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(4.98, 5.15, 5.27); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch140/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.64 W/kg

Ch140/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.329 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 5.49 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.323 W/kg
Maximum value of SAR (measured) = 2.82 W/kg



0 dB = 2.82 W/kg

Meas40.Head Left Cheek BT Ch78
Date: 2025/2/17
Communication System Band: BT; Frequency: 2480 MHz;Duty Cycle: 1:1.304
Medium parameters used: f = 2480 MHz; σ = 1.873 S/m; ε_r = 38.641; ρ = 1000 kg/m^3
Phantom section: Left Section

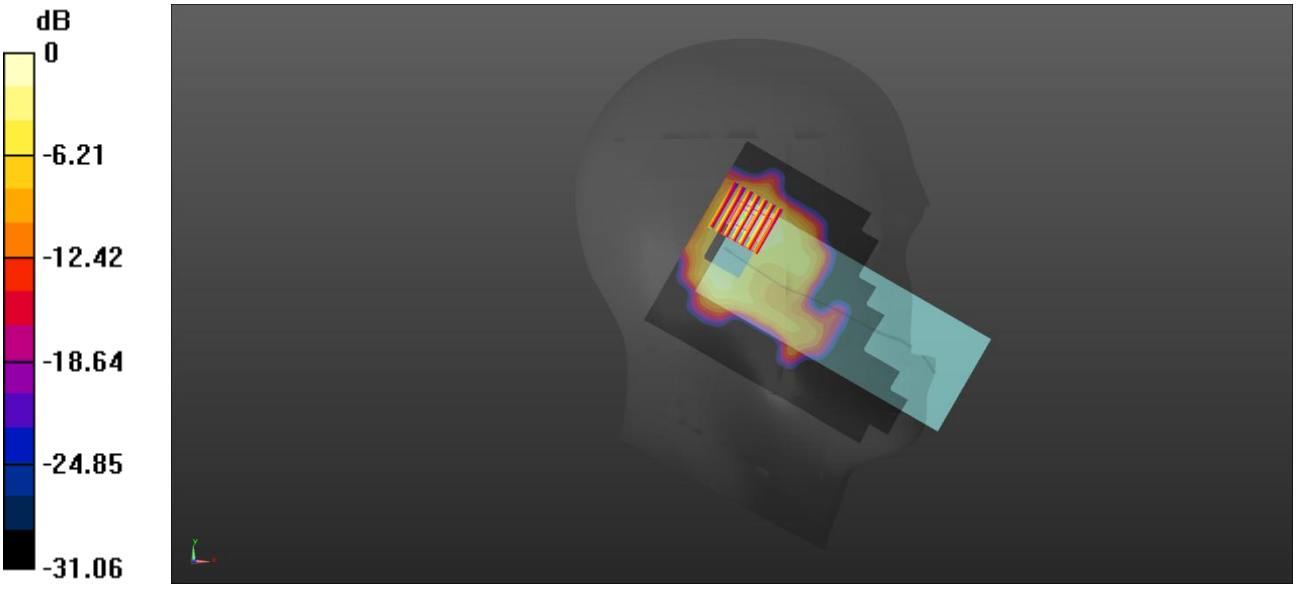
Ambient Temperature:22.6℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(6.98, 7.22, 7.4); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch78/Area Scan (101x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0893 W/kg

Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.391 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.119 W/kg
SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.025 W/kg
Maximum value of SAR (measured) = 0.0914 W/kg



0 dB = 0.0914 W/kg

Meas41.Hotspot Back Side 10mm BT Ch78
Date: 2025/2/17
Communication System Band: BT; Frequency: 2480 MHz;Duty Cycle: 1:1.304
Medium parameters used: f = 2480 MHz; σ = 1.873 S/m; ε_r = 38.641; ρ = 1000 kg/m^3
Phantom section: Flat Section

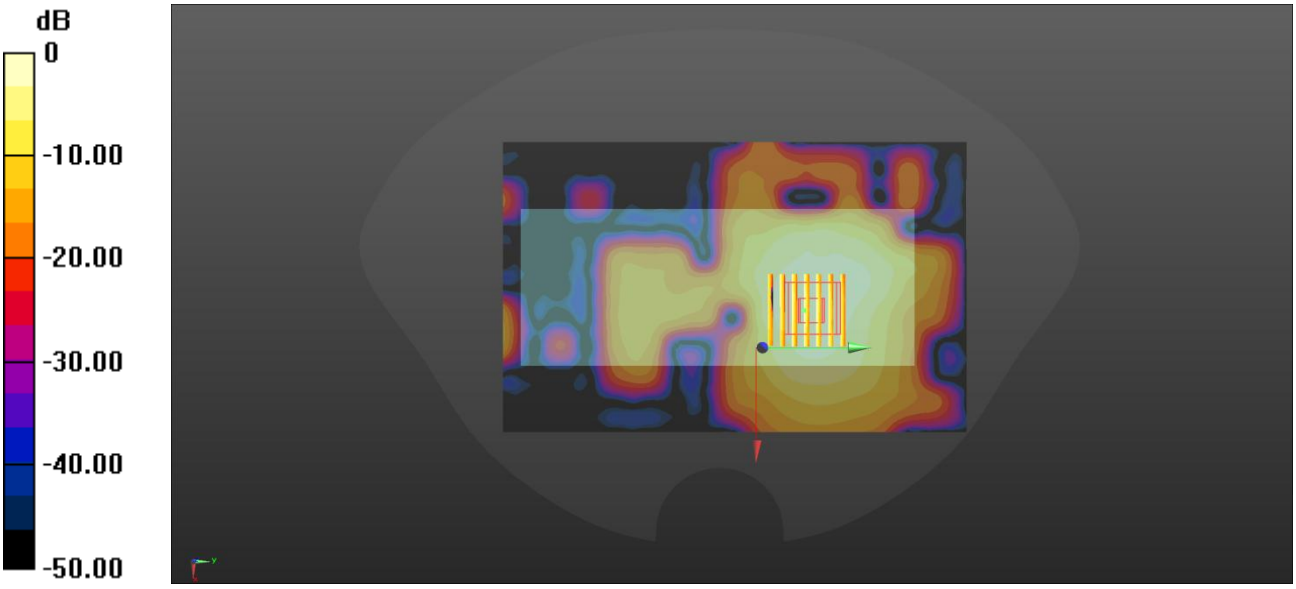
Ambient Temperature:22.6℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7893; ConvF(6.98, 7.22, 7.4); Calibrated: 2024/9/5
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2025/1/20
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch78/Area Scan (101x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0506 W/kg

Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.0680 W/kg
SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.018 W/kg
Maximum value of SAR (measured) = 0.0538 W/kg



0 dB = 0.0538 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2520364-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2520364-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2520364-AC.pdf”.

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