TEST REPORT

Applicant:	ITEL MOBILE LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Equipment Type:	Tablet
Model Name:	P10005L
Brand Name:	Itel
FCC ID:	2AJMN- P10005L
Test Standard:	FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR:	Body (1 g@0mm): 1.09 W/kg
Sample Arrival Date:	Apr. 08, 2025
Test Date:	Jun. 01, 2025 - Jun. 03, 2025
Date of Issue:	Jun. 15, 2025

ISSUED BY:

Shanghai Tejet Communications Technology Co., Ltd. Testing Center

Prepared by: Cai Xueguo

Reviewed by: Huang Xiaoqin

Approved by: Zhang Yanqing

(Laboratory Manager)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Jun. 15, 2025	Initial Issue

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Address	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China

1.2 Test Location

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Location	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1352. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 29671.

1.3 Test Environment Condition

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	ITEL MOBILE LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

2.2 Manufacturer Information

Manufacturer	ITEL MOBILE LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

2.3 General Description for Equipment under Test (EUT)

EUT Name	Tablet
Model Name Under Test	P10005L
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	238.4mm*148.4mm*7.95mm
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	P10004L
	Serial No.	N/A
	Capacity	6000 mAh
	Rated Voltage	3.8V
	Limit Charge Voltage	4.35V

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/5 4G Network LTE FDD Band 2/5/7 LTE TDD Band 38/41 Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n HT20, 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) ,5.8G SRD, GPS, GLONASS, BDS, Galileo, SBAS
Note: The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.	

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

Operating Mode	GSM, WCDMA, LTE, 2.4G WLAN, 5G WLAN, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 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 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	802.11b/g /n(HT20/HT40)	2412 ~ 2462 MHz	
	802.11a/ /n(HT20/HT40) /ac(VHT20/VHT40/ VHT80)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	Bluetooth	2402 ~ 2480 MHz	
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna		
DTM	N/A		
Hotspot Function	Support		
Power Reduction	Support		
Exposure Category	General Population/Uncontrolled exposure		
Product Type	Portable Device		
EUT Type	☒ Production unit	☐ Identical prototype	
Note:			

1. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4G transmitter for near to body exposure conditions. 2. The reduction power details please refer section 8.6.

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	ANSI C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate(SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
5	KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
6	KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
7	KDB 616217 D04 v01r02	SAR for laptop and tablets
7	KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
8	KDB 865664 D02 v01r02	RF Exposure Reporting
9	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)
		Body (0mm)	Body (0mm)
		1g SAR	
PCB	GSM 850	0.54	1.09
	GSM 1900	0.85	
	WCDMA Band 2	0.56	
	WCDMA Band 5	0.77	
	LTE Band 2	0.50	
	LTE Band 5	0.18	
	LTE Band 7	0.75	
	LTE Band 41	1.09	
DTS	2.4G WLAN	0.50	
NII	5G WLAN	0.50	
DSS	Bluetooth	0.25	
Limit (W/kg)		1.6	
Verdict		PASS	

Note: This device supports LTE B38 and LTE B41. Since the supported frequency span for LTE B38 falls completely within the supports freguency span for LTE B41, these LTE bands share the same transmission path, and B38 have lower or the same target power as LTE B41; Therefore, SAR was only assessed for LTE B41.

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Report SAR (W/kg)
	Body(0mm)
	1g SAR
PCB	**1.59**
DTS	1.58
NII	**1.59**
DSS	1.34
Limit (W/Kg)	1.6
Verdict	PASS

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 1.09 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

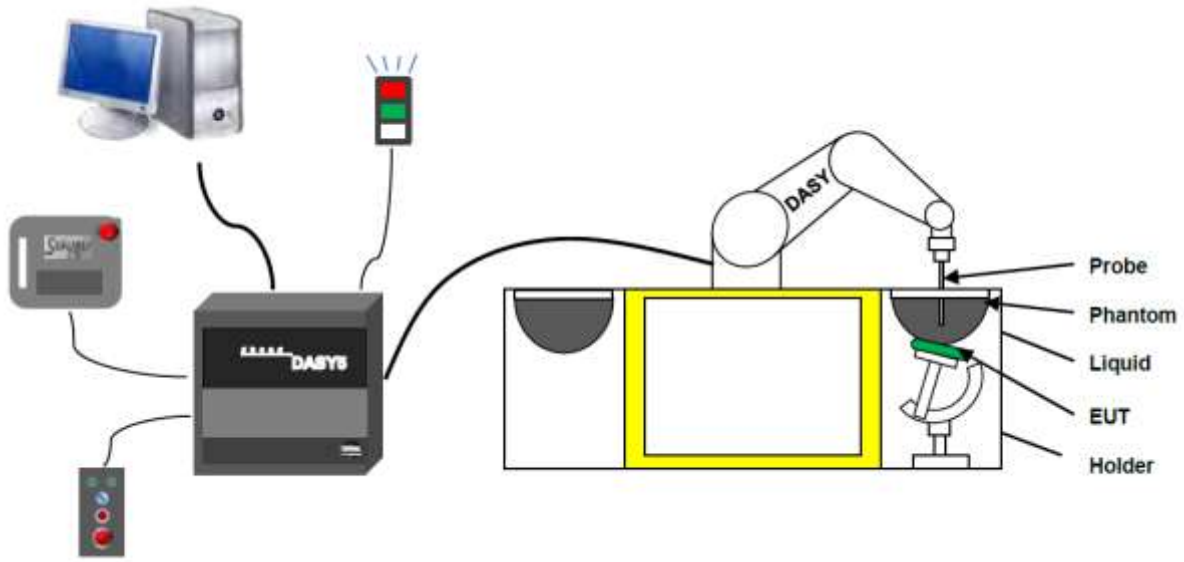
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^{2}}{\boldsymbol{\rho}}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram

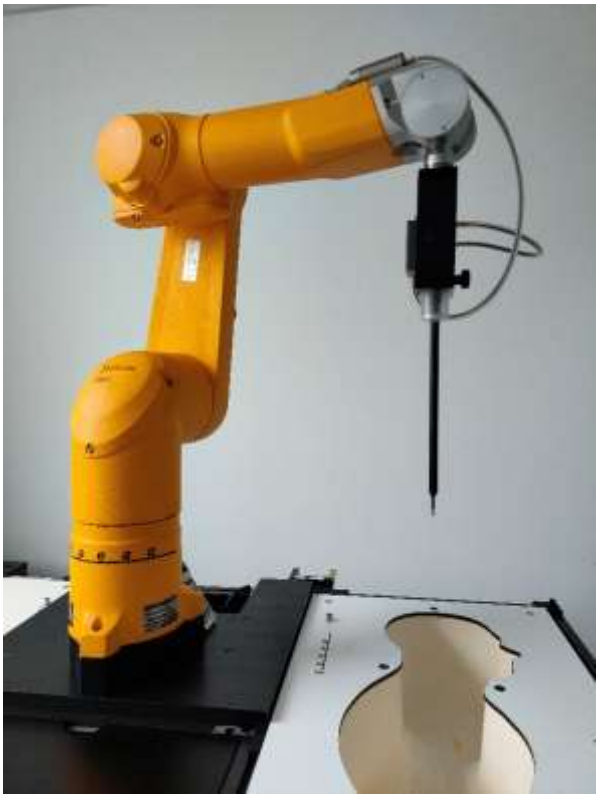


The DASY5 system for performing compliance tests consists of the following items:

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

4.2.2 Robot

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



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

4.2.3 E-Field Probe

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

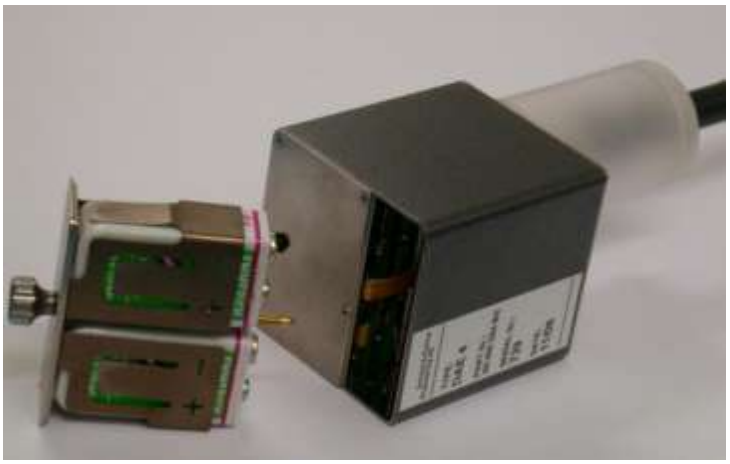
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	4 MHz to 10 GHz; Linearity: ± 0.2 dB
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 IEC/IEEE 62209-1528 and IEEE 1528 std, with CALISAR, Antennessa proprietary calibration system. The calibration is performed with the IEC/IEEE 62209-1528 annexe technique using reference guide at the five frequencies.

4.2.4 Data Acquisition Electronics

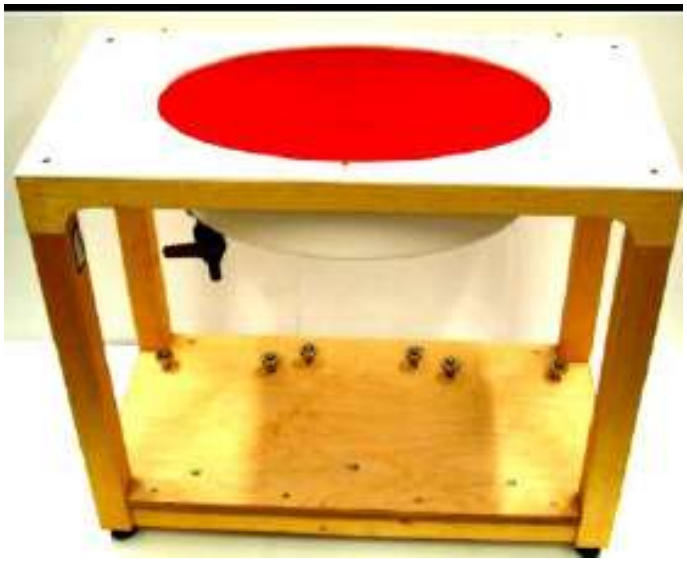
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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

Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI4 is fully compatible with the latest draft of the standard IEC 62209 Part II and all known tissue simulating liquids. ELI4 has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points.



·Flat phantom

Photo of Phantom SN1086

Serial Number	Shell Thickness (mm)	Major ellipse axis (mm)	Minor axis (mm)
SN 1086LI4	2.0 ± 0.2	600	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.

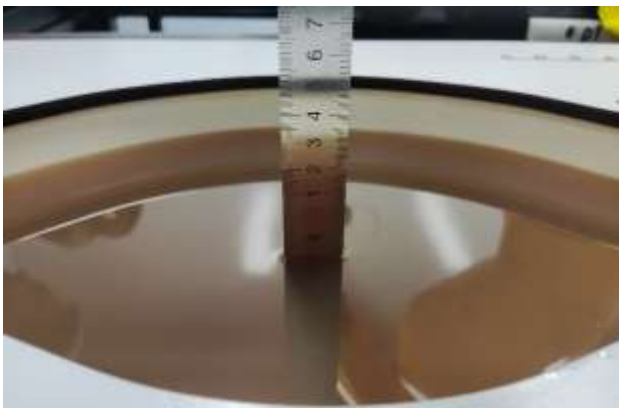
The positioning system allows obtaining cheek and tilting position with a very good accuracy. Incompliance with CENELEC, the tilt angle uncertainty is lower than 1°.

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

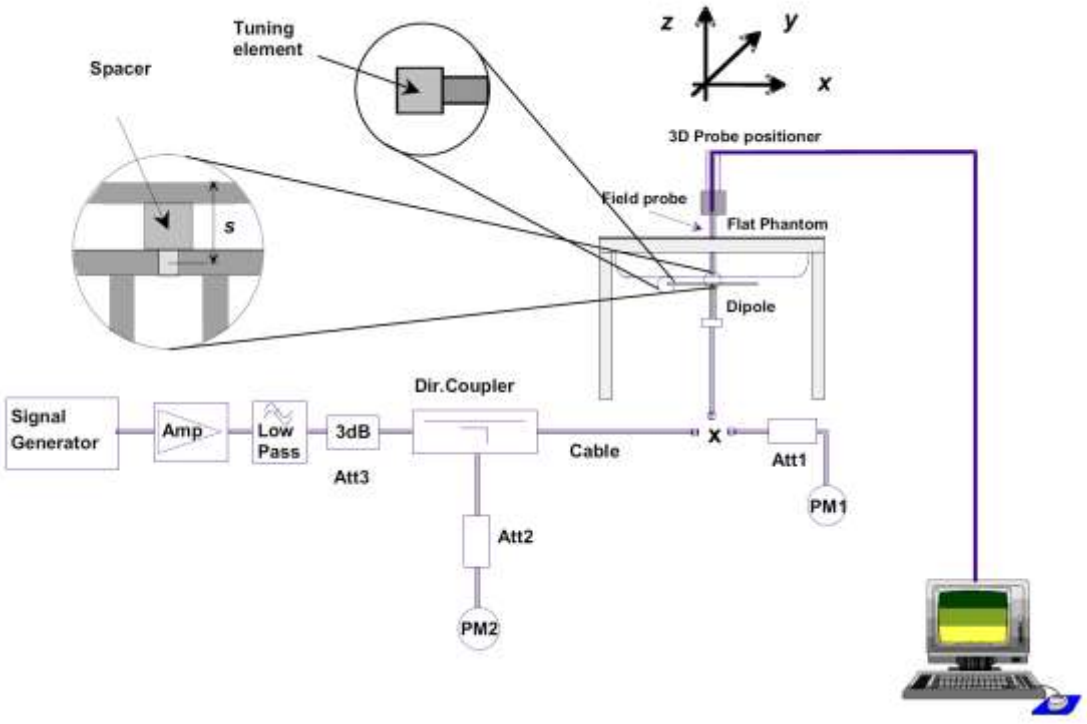
5 SYSTEM VERIFICATION

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

6.1 Tablet Exposure Condition

This DUT was tested in four different positions. They are back side, left edge, right edge and top edge in these positions, the surface of DUT is touching with phantom 0mm.

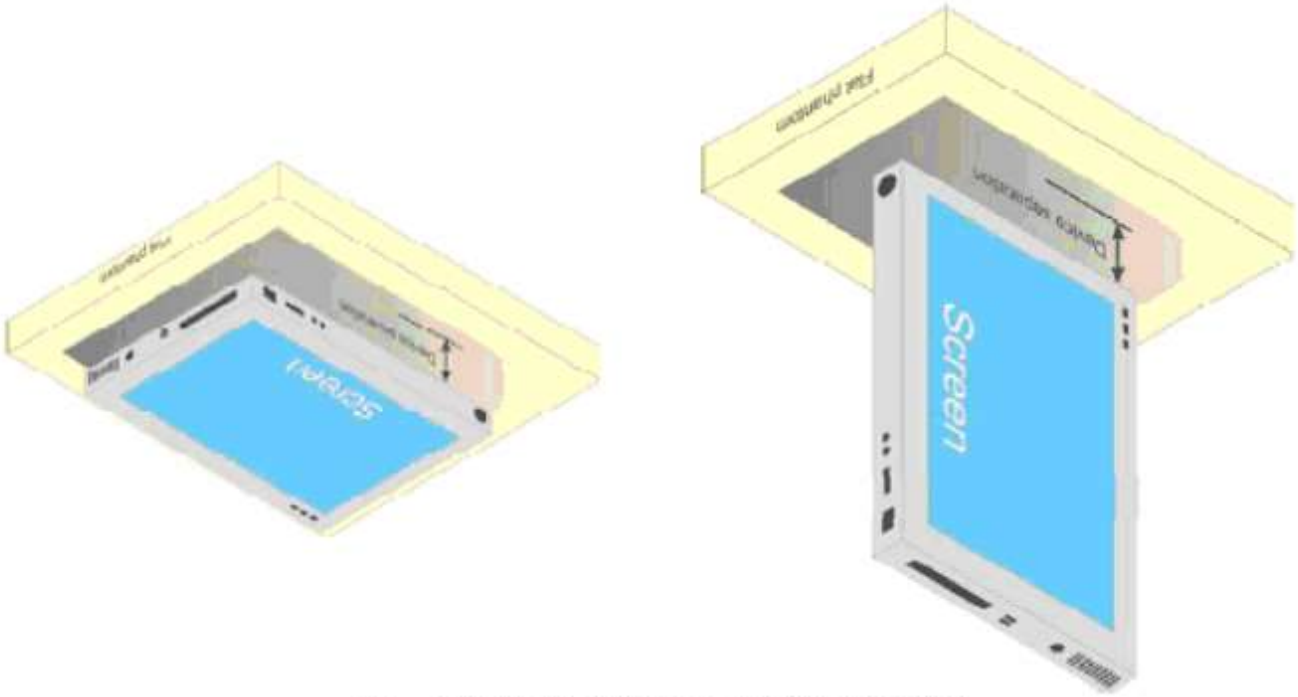
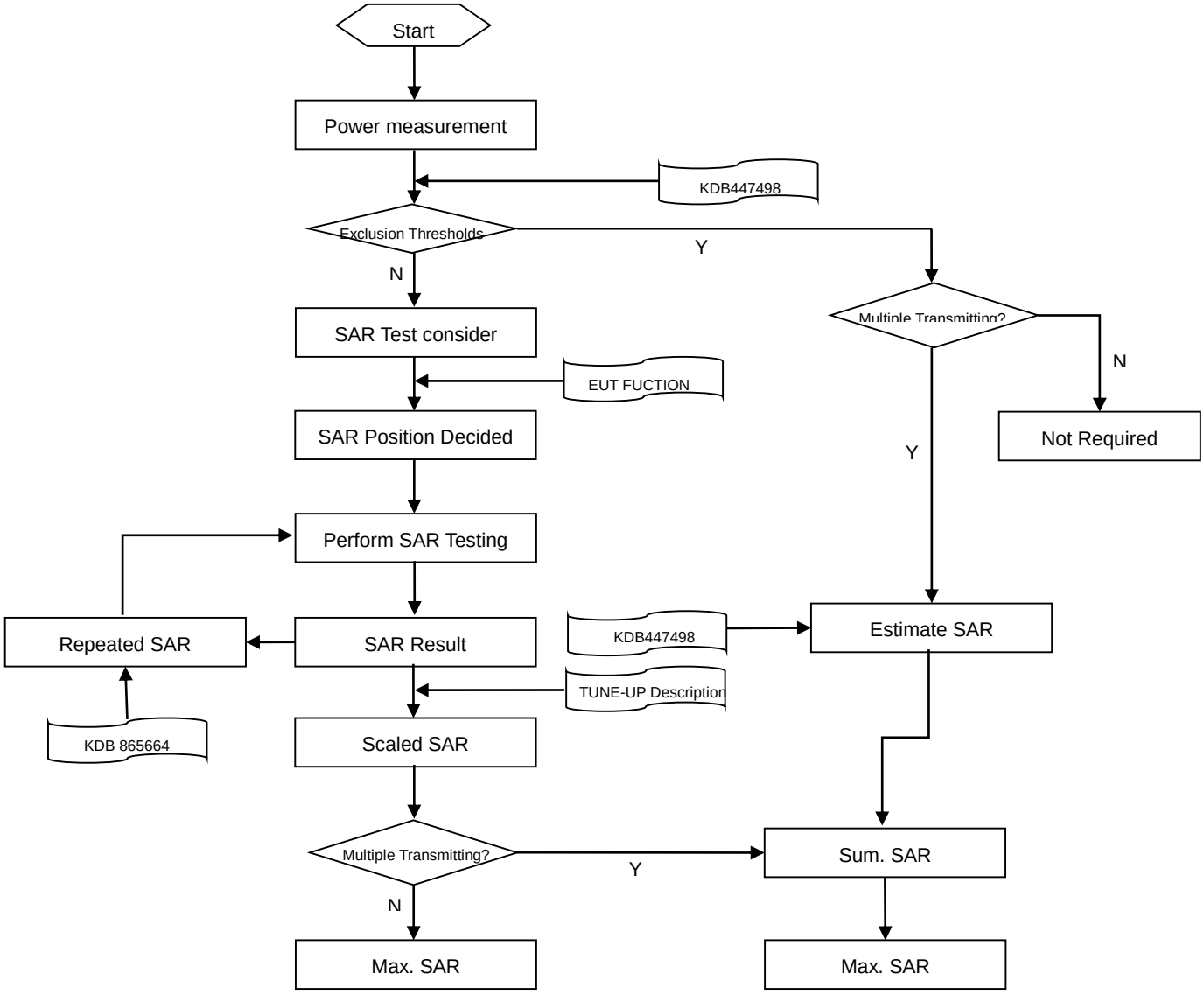


Fig Illustration for Lap-touching Position

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="7">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="4">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>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>
<tr><td colspan="5">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.</td></tr>
</table>

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.

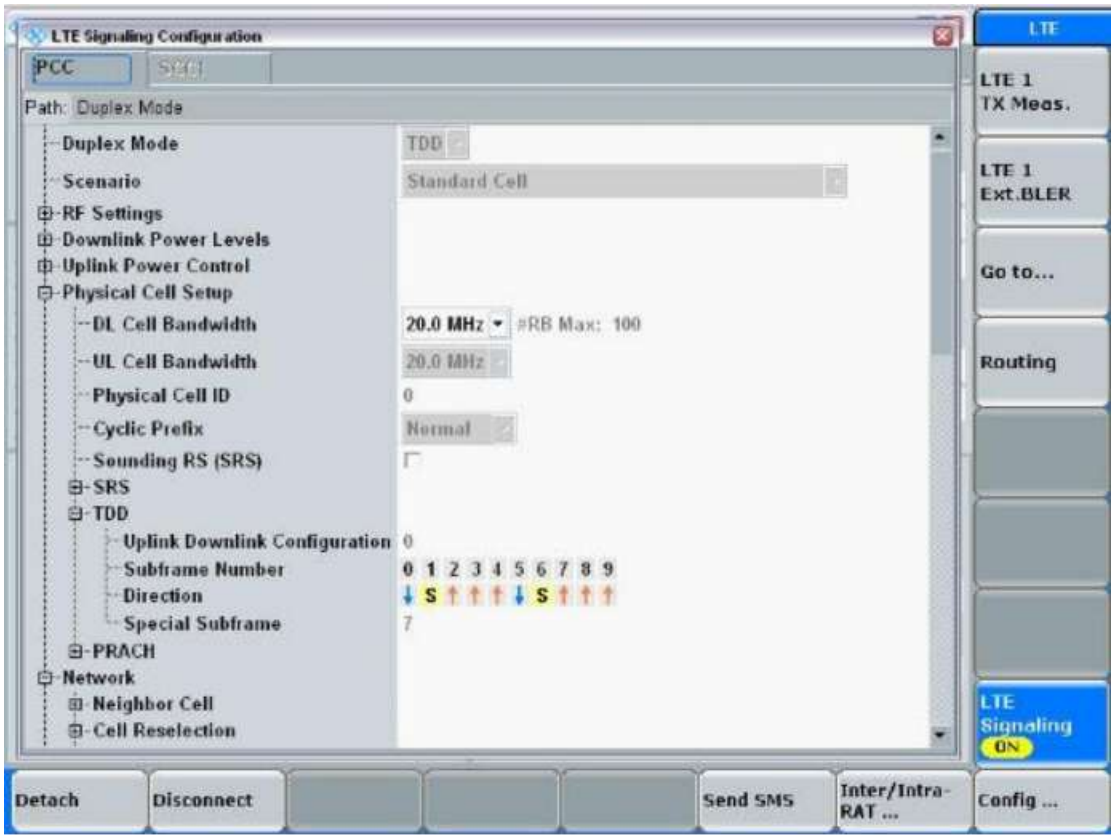
7.4 Area & Zoom Scan Procedure

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.

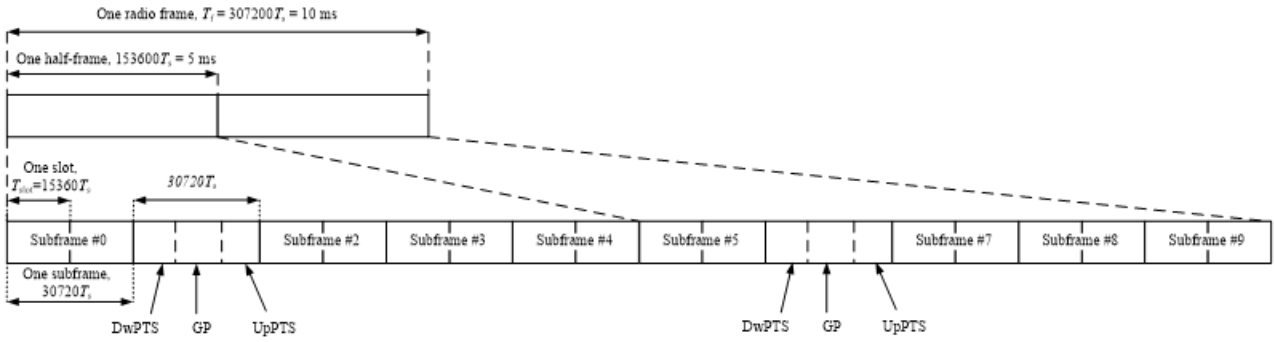
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

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·T_s	2192·T_s	2560·T_s	7680·T_s	2192·T_s	2560·T_s
1	19760·T_s			20480·T_s		
2	21592·T_s			23040·T_s		
3	24144·T_s			25600·T_s		
4	26336·T_s			7680·T_s	2560·T_s	5120·T_s
5	6592·T_s	4384·T_s	5120·T_s	20480·T_s		
6	19760·T_s			23040·T_s		
7	21592·T_s			12800·T_s		
8	24144·T_s			-	-	-
9	13168·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-SH2540337-AP.pdf”.

8.2 WCDMA

Please refer the document “BL-SH2540337-AP.pdf”.

8.3 LTE

Please refer the document “BL-SH2540337-AP.pdf”.

8.4 WIFI

8.4.1 2.4G WIFI Full Power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.16	17.50	No
		6	2437	19.34	20.00	No
		11	2462	18.33	19.00	No
	802.11g	1	2412	16.13	16.50	No
		6	2437	17.88	18.50	No
		11	2462	16.68	17.00	No
	802.11n(HT20)	1	2412	14.63	15.00	No
		6	2437	16.66	17.00	No
		11	2462	15.45	16.00	No

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

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

2) When multiple transmission modes (802.11b/g/n) 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.

8.4.2 2.4G WIFI DSI 1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	8.59	9.00	No
		6	2437	10.39	11.00	Yes
		11	2462	9.61	10.00	No
	802.11g	1	2412	9.78	10.50	No
		6	2437	9.82	10.50	No
		11	2462	9.63	10.00	No
	802.11n(HT20)	1	2412	9.65	10.00	No
		6	2437	10.02	10.50	No
		11	2462	9.69	10.00	No

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

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

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

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.
Adjusted SAR = 0.496 * (12.59mW/14.13mW) = 0.442 W/Kg, so 2.4G OFDM SAR test is not required.

8.4.3 5G WIFI Full Power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.26	18.00	No
		44	5220	16.73	17.00	No
		48	5240	16.51	17.00	No
	802.11n(HT20)	36	5180	16.71	17.00	No
		44	5220	16.16	16.50	No
		48	5240	15.92	16.50	No
	802.11n(HT40)	38	5190	17.16	17.50	No
		46	5230	16.45	17.00	No
	802.11ac(VHT20)	36	5180	15.93	16.50	No
		44	5220	15.37	16.00	No
		48	5240	15.34	16.00	No
	802.11ac(VHT40)	38	5190	16.90	17.50	No
		46	5230	16.48	17.00	No
	802.11ac(VHT80)	42	5210	15.55	16.00	No
5.3 (5.25~5.35)	802.11a	52	5260	17.22	17.50	No
		60	5300	16.67	17.00	No
		64	5320	16.37	17.00	No
	802.11n(HT20)	52	5260	16.39	17.00	No
		60	5300	15.90	16.50	No
		64	5320	15.70	16.00	No
	802.11n(HT40)	54	5270	16.84	17.50	No
		62	5310	16.30	17.00	No
	802.11ac(VHT20)	52	5260	16.02	16.50	No
		60	5300	15.51	16.00	No
		64	5320	15.19	15.50	No
	802.11ac(VHT40)	54	5270	16.77	17.50	No
		62	5310	16.12	16.50	No
	802.11ac(VHT80)	58	5290	15.24	15.50	No
5.6 (5.47~5.725)	802.11a	100	5500	16.80	17.50	No
		116	5580	17.22	17.50	No
		140	5700	16.45	17.00	No
	802.11n(HT20)	100	5500	16.11	16.50	No

		116	5580	16.44	17.00	No
		140	5700	15.73	16.00	No
	802.11n(HT40)	102	5510	16.59	17.00	No
		118	5590	17.15	17.50	No
		134	5670	16.44	17.00	No
	802.11ac(VHT20)	100	5500	15.43	16.00	No
		116	5580	15.53	16.00	No
		140	5700	15.08	15.50	No
	802.11ac(VHT40)	102	5510	16.49	17.00	No
		118	5590	16.95	17.50	No
		134	5670	16.39	17.00	No
	802.11ac(VHT80)	106	5530	15.15	15.50	No
		122	5690	15.78	16.50	No
5.8 (5.725~5.850)	802.11a	149	5745	16.35	17.00	No
		157	5785	16.40	17.00	No
		165	5825	16.23	16.50	No
	802.11n(HT20)	149	5745	16.06	16.50	No
		157	5785	15.57	16.00	No
		165	5825	15.31	16.00	No
	802.11n(HT40)	151	5755	16.49	17.00	No
		159	5795	16.28	17.00	No
	802.11ac(VHT20)	149	5745	15.40	16.00	No
		157	5785	15.53	16.00	No
		165	5825	15.37	16.00	No
	802.11ac(VHT40)	151	5755	16.67	17.00	No
		159	5795	16.60	17.00	No
	802.11ac(VHT80)	155	5775	15.40	16.00	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.4.4 5G WIFI DSI 1

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	10.18	10.50	No
		44	5220	9.82	10.50	No
		48	5240	9.31	10.00	No
	802.11n(HT20)	36	5180	9.85	10.50	No
		44	5220	9.48	10.00	No
		48	5240	9.26	10.00	No
	802.11n(HT40)	38	5190	9.98	10.50	No
		46	5230	9.52	10.00	No
	802.11ac(VHT20)	36	5180	9.76	10.50	No
		44	5220	9.37	10.00	No
		48	5240	9.15	9.50	No
	802.11ac(VHT40)	38	5190	9.84	10.50	No
		46	5230	9.41	10.00	No
	802.11ac(VHT80)	42	5210	8.79	9.50	No
5.3 (5.25~5.35)	802.11a	52	5260	10.16	10.50	No
		60	5300	9.49	10.00	No
		64	5320	9.30	10.00	No
	802.11n(HT20)	52	5260	9.91	10.50	No
		60	5300	9.53	10.00	No
		64	5320	9.30	10.00	No
	802.11n(HT40)	54	5270	9.82	10.50	Yes
		62	5310	9.27	10.00	No
	802.11ac(VHT20)	52	5260	9.95	10.50	No
		60	5300	9.50	10.00	No
		64	5320	9.21	9.50	No
	802.11ac(VHT40)	54	5270	9.74	10.00	No
		62	5310	9.17	9.50	No
	802.11ac(VHT80)	58	5290	8.60	9.00	No
5.6 (5.47~5.725)	802.11a	100	5500	10.75	11.50	No
		116	5580	11.03	11.50	No
		140	5700	11.60	12.00	No
	802.11n(HT20)	100	5500	10.73	11.00	No
		116	5580	10.96	11.50	No
		140	5700	11.55	12.00	No
	802.11n(HT40)	102	5510	10.61	11.00	No
		118	5590	11.02	11.50	No

		134	5670	11.48	12.00	Yes
	802.11ac(VHT20)	100	5500	10.68	11.00	No
		116	5580	11.06	11.50	No
		140	5700	11.66	12.00	No
	802.11ac(VHT40)	102	5510	10.55	11.00	No
		118	5590	10.95	11.50	No
		134	5670	11.41	12.00	No
	802.11ac(VHT80)	106	5530	9.16	9.50	No
		122	5690	10.05	10.50	No
5.8 (5.725~5.850)	802.11a	149	5745	11.15	11.50	No
		157	5785	11.11	11.50	No
		165	5825	11.02	11.50	No
	802.11n(HT20)	149	5745	11.17	11.50	No
		157	5785	11.08	11.50	No
		165	5825	10.99	11.50	No
	802.11n(HT40)	151	5755	11.04	11.50	Yes
		159	5795	10.95	11.50	No
	802.11ac(VHT20)	149	5745	11.15	11.50	No
		157	5785	11.06	11.50	No
		165	5825	11.09	11.50	No
	802.11ac(VHT40)	151	5755	10.96	11.50	No
		159	5795	10.86	11.50	No
	802.11ac(VHT80)	155	5775	9.87	10.50	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.5 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Peak Power (dBm)	8.21	8.35	7.37	8.76	9.43	7.92
Tune-Up Limit (dBm)	9.00	9.50	8.50	10.00	10.50	9.00
SAR Test Require	NO	NO	NO	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Peak Power (dBm)	8.99	9.69	7.67	/	/	/
Tune-Up Limit (dBm)	10.00	10.50	8.50	/	/	/
SAR Test Require	NO	YES	NO	NO	NO	NO
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	1	19	38
Frequency (MHz)	2402	2440	2480	2404	2440	2478
Peak Power (dBm)	1.20	1.57	1.40	1.76	1.63	1.19
Tune-Up Limit (dBm)	2.00	2.50	2.50	2.50	2.50	2.00
SAR Test Require	NO	NO	NO	NO	NO	NO

Note 1: Since Bluetooth EDR mode is the maximum output power mode，SAR measurements were performed with test software using 3DH5 modulation, and SAR measurement is not required for the BR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode.

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

Duty Cycle

8.6 Power Reduction List

1. When there is a voice call (including VOIP), the audio is actively routed through the headset or speaker, and the sensor will work, which indicating the body exposure conditions will trigger the body/Limbs exposure reduced the power.
2. When this device used data mode only, and the sensor will work too, the reduced the power are same as body exposure.

WWAN Reduced power level table

Reduced State	Sensor	Transmitting conditions
DSI 1	On (Body scenario)	WLAN Only& WWAN+WLAN or BT

Mode	Antenna	WWAN Antenna	
		Full Power	Body
			DSI 1
GSM 850	ANT0	34.50	24.50
GPRS850 1 Tx Slot	ANT0	34.50	24.50
GPRS850 2 Tx Slots	ANT0	32.50	24.50
GPRS850 3 Tx Slots	ANT0	30.50	24.50
GPRS850 4 Tx Slots	ANT0	28.50	24.50
GSM 1900	ANT0	31.50	20.50
GPRS1900 1 Tx Slot	ANT0	31.50	20.50
GPRS1900 2 Tx Slots	ANT0	29.00	20.50
GPRS1900 3 Tx Slots	ANT0	27.50	20.50
GPRS1900 4 Tx Slots	ANT0	25.50	20.50
WCDMA Band2 RMC	ANT0	24.00	12.00
HSDPA Subtest-1	ANT0	23.00	12.00
HSDPA Subtest-2	ANT0	23.00	12.00
HSDPA Subtest-3	ANT0	22.50	11.00
HSDPA Subtest-4	ANT0	22.50	12.00
HSUPA Subtest-1	ANT0	24.00	10.00
HSUPA Subtest-2	ANT0	22.00	10.50
HSUPA Subtest-3	ANT0	23.00	10.00
HSUPA Subtest-4	ANT0	22.00	10.00
HSUPA Subtest-5	ANT0	24.00	12.00
WCDMA Band5 RMC	ANT0	24.00	22.50
HSDPA Subtest-1	ANT0	23.00	21.50

HSDPA Subtest-2	ANT0	23.00	21.50
HSDPA Subtest-3	ANT0	22.50	21.00
HSDPA Subtest-4	ANT0	22.50	21.00
HSUPA Subtest-1	ANT0	22.00	19.50
HSUPA Subtest-2	ANT0	20.00	20.00
HSUPA Subtest-3	ANT0	21.00	19.50
HSUPA Subtest-4	ANT0	20.00	19.50
HSUPA Subtest-5	ANT0	22.00	22.00
LTE Band2	ANT0	25.00	13.50
LTE Band5	ANT0	25.00	17.00
LTE Band7	ANT0	25.50	16.00
LTE Band38	ANT0	25.50	20.00
LTE Band41	ANT0	25.50	20.00

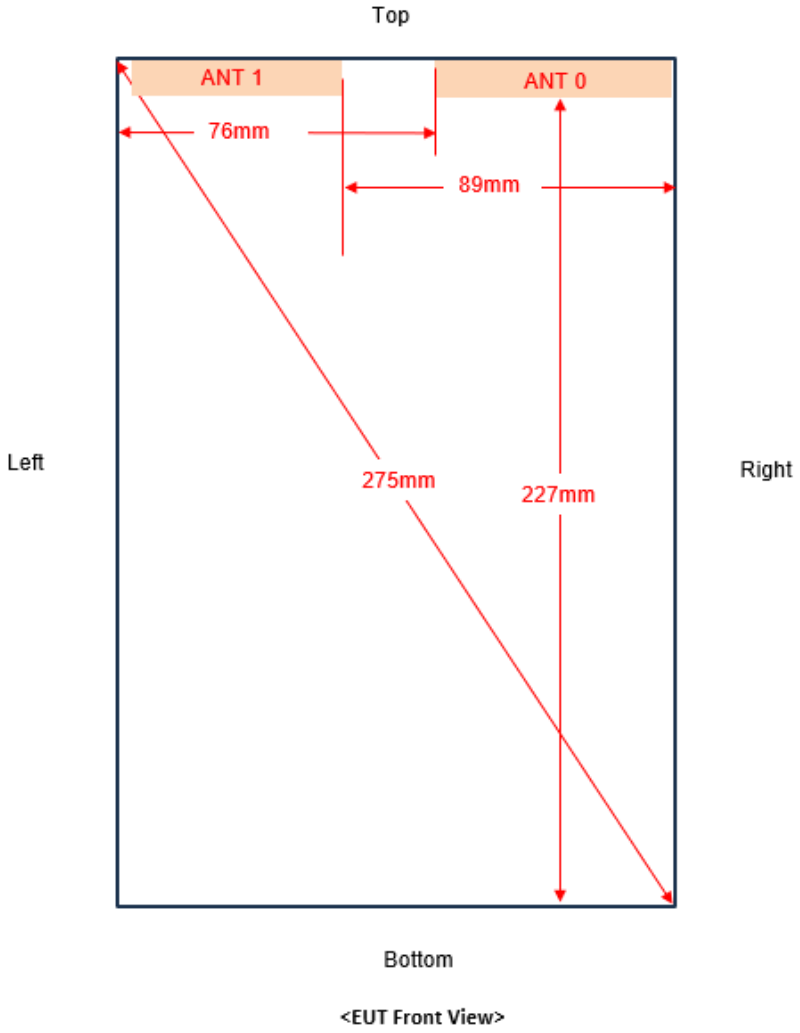
WLAN Reduced power level table

Reduced State	Sensor	Transmitting conditions
DSI 1	On (Body scenario)	WLAN Only& WWAN+WLAN or BT

Mode	Antenna	WLAN	
		Full Power	Body
			DSI 1
2.4G WLAN 802.11b	ANT1	20.00	11.00
2.4G WLAN 802.11g	ANT1	18.50	10.50
2.4G WLAN 802.11n20	ANT1	17.00	10.50
5.2G WLAN 802.11a	ANT1	18.00	10.50
5.2G WLAN 802.11n20	ANT1	17.00	10.50
5.2G WLAN 802.11n40	ANT1	17.50	10.50
5.2G WLAN 802.11ac20	ANT1	16.50	10.50
5.2G WLAN 802.11ac40	ANT1	17.50	10.50
5.2G WLAN 802.11ac80	ANT1	16.00	9.50
5.3G WLAN 802.11a	ANT1	17.50	10.50
5.3G WLAN 802.11n20	ANT1	17.00	10.50
5.3G WLAN 802.11n40	ANT1	17.50	10.50
5.3G WLAN 802.11ac20	ANT1	16.50	10.50
5.3G WLAN 802.11ac40	ANT1	17.50	10.00
5.3G WLAN 802.11ac80	ANT1	15.50	9.00
5.6G WLAN 802.11a	ANT1	17.50	12.00
5.6G WLAN 802.11n20	ANT1	17.00	12.00
5.6G WLAN 802.11n40	ANT1	17.50	12.00
5.6G WLAN 802.11ac20	ANT1	16.00	12.00
5.6G WLAN 802.11ac40	ANT1	17.50	12.00
5.6G WLAN 802.11ac80	ANT1	16.50	10.50
5.8G WLAN 802.11a	ANT1	17.00	11.50
5.8G WLAN 802.11n20	ANT1	16.50	11.50
5.8G WLAN 802.11n40	ANT1	17.00	11.50
5.8G WLAN 802.11ac20	ANT1	16.00	11.50
5.8G WLAN 802.11ac40	ANT1	17.00	11.50
5.8G WLAN 802.11ac80	ANT1	16.00	10.50
Bluetooth	ANT1	10.50	10.50

9 TEST EXCLUSION CONSIDERATION

9.1 Antenna location sketch



<EUT Front View>

Antenna	Support Bands
ANT 0	GSM 850/1900; WCDMA B2/5; LTE B2/5/7/38/41
ANT 1	WLAN, BT, GPS

Antenna	Front Side(mm)	Back Side(mm)	Left Edge(mm)	Right Edge(mm)	Top Edge(mm)	Bottom Edge(mm)
ANT 0	N/A	＜5	76	＜5	＜5	227
ANT 1	N/A	＜5	＜5	89	＜5	227

9.2 SAR Test Exclusion Consideration Table

According with FCC KDB 447498 D04, Appendix B, The SAR-based exemption formula applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold Pth (mW).

Power Thresholds (mW)					
Frequency (MHz)	At separation distance of ≤5 mm	At separation distance of 10 mm	At separation distance of 15 mm	At separation distance of 20 mm	At separation distance of 25 mm
300	39 mW	65 mW	88 mW	110 mW	129 mW
450	22 mW	44 mW	67 mW	89 mW	112 mW
835	9 mW	25 mW	44 mW	66 mW	90 mW
1900	3 mW	12 mW	26 mW	44 mW	66 mW
2450	3 mW	10 mW	22 mW	38 mW	59 mW
3600	2 mW	8 mW	18 mW	32 mW	49 mW
5800	1 mW	6 mW	14 mW	25 mW	40 mW
Frequency (MHz)	At separation distance of 30 mm	At separation distance of 35 mm	At separation distance of 40 mm	At separation distance of 45 mm	At separation distance of 50 mm
300	148 mW	166 mW	184 mW	201 mW	217 mW
450	135 mW	158 mW	180 mW	203 mW	226 mW
835	116 mW	145 mW	175 mW	207 mW	240 mW
1900	92 mW	122 mW	157 mW	195 mW	236 mW
2450	83 mW	111 mW	143 mW	179 mW	219 mW
3600	71 mW	96 mW	125 mW	158 mW	195 mW
5800	58 mW	80 mW	106 mW	136 mW	169 mW

This Device SAR test configurations consider as following :

Band	Mode	Max. Tune-up Power		Test Position Configurations				
		dBm	mW	Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User (mm)			<5	76	<5	<5	227
	Exclusion Threshold(mW)			9	240	9	9	240
	Data	21.32	135.52	Yes	No	Yes	Yes	No
GSM 1900	Distance to User (mm)			<5	76	<5	<5	227
	Exclusion Threshold(mW)			3	236	3	3	236
	Data	17.32	53.95	Yes	No	Yes	Yes	No
WCDMA Band 2	Distance to User (mm)			<5	76	<5	<5	227
	Exclusion Threshold(mW)			3	236	3	3	236
	RMC	12.00	15.85	Yes	No	Yes	Yes	No
WCDMA Band 5	Distance to User (mm)			<5	76	<5	<5	227
	Exclusion Threshold(mW)			9	240	9	9	240
	RMC	22.50	177.83	Yes	No	Yes	Yes	No
LTE Band 2	Distance to User (mm)			<5	76	<5	<5	227
	Exclusion Threshold(mW)			3	236	3	3	236
	QPSK	13.50	22.39	Yes	No	Yes	Yes	No
LTE Band 5	Distance to User (mm)			<5	76	<5	<5	227
	Exclusion Threshold(mW)			9	240	9	9	240
	QPSK	17.00	50.12	Yes	No	Yes	Yes	No
LTE Band 7	Distance to User (mm)			<5	76	<5	<5	227
	Exclusion Threshold(mW)			3	219	3	3	219
	QPSK	16.00	39.81	Yes	No	Yes	Yes	No
LTE Band 41	Distance to User (mm)			<5	76	<5	<5	227
	Exclusion Threshold(mW)			3	219	3	3	219
	QPSK	20.00	100.00	Yes	No	Yes	Yes	No
WLAN 2.4 G	Distance to User (mm)			<5	<5	89	<5	227
	Exclusion Threshold(mW)			3	3	219	3	219
	802.11b	11.0	12.59	Yes	Yes	No	Yes	No
Bluetooth	Distance to User (mm)			<5	<5	89	<5	227
	Exclusion Threshold(mW)			3	3	219	3	219
	BT	10.50	11.22	Yes	Yes	No	Yes	No
WLAN 5G	Distance to User (mm)			<5	<5	89	<5	227
	Exclusion Threshold(mW)			1	1	169	1	169
	802.11nn40	12.0	15.85	Yes	Yes	No	Yes	No

10 TEST RESULT

10.1 GSM 850

Antenna	Power Reduction	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.
Body													
ANT 0	DSI 1	Back side	0mm	GPRS 4TX	190	836.6	-0.15	0.162	23.62	24.50	1.225	0.198	/
	DSI 1	Right side			190	836.6	0.17	0.086	23.62	24.50	1.225	0.105	/
	DSI 1	Top side			190	836.6	-0.19	0.440	23.62	24.50	1.225	0.539	1
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.2 GSM 1900

Antenna	Power Reduction	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.
Body													
ANT 0	DSI 1	Back side	0mm	GPRS 4TX	512	1850.2	0.15	0.092	19.41	20.50	1.285	0.118	/
	DSI 1	Right side			512	1850.2	-0.10	0.015	19.41	20.50	1.285	0.019	/
	DSI 1	Top side			512	1850.2	-0.02	0.659	19.41	20.50	1.285	0.847	2
	DSI 1	Top side			661	1880	0.08	0.605	19.29	20.50	1.321	0.799	/
	DSI 1	Top side			810	1909.8	-0.09	0.589	18.97	20.50	1.422	0.838	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.3 WCDMA Band 2

Antenna	Power Reduction	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.
Body													
ANT 0	DSI 1	Back side	0mm	RMC	9262	1852.4	-0.10	0.042	11.49	12.00	1.125	0.047	/
	DSI 1	Right side			9262	1852.4	0.12	0.033	11.49	12.00	1.125	0.037	/
	DSI 1	Top side			9262	1852.4	0.11	0.496	11.49	12.00	1.125	0.558	3
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.4WCDMA Band 5

Antenna	Power Reduction	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.
Body													
ANT 0	DSI 1	Back side	0mm	RMC	4182	836.4	-0.11	0.167	21.47	22.50	1.268	0.212	/
	DSI 1	Right side			4182	836.4	0.09	0.094	21.47	22.50	1.268	0.119	/
	DSI 1	Top side			4182	836.4	0.14	0.604	21.47	22.50	1.268	0.766	4
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.5LTE Band 2(20MHz Bandwidth)

Antenna	Power Reduction	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.
Body															
ANT 0	DSI 1	Back side	0mm	QPSK	18900	1880	1	0	-0.13	0.082	12.87	13.50	1.156	0.095	/
	DSI 1	Right side			18900	1880	1	0	-0.14	0.017	12.87	13.50	1.156	0.020	/
	DSI 1	Top side			18900	1880	1	0	-0.10	0.430	12.87	13.50	1.156	0.497	5
	DSI 1	Back side	0mm	QPSK	18900	1880	50	0	0.15	0.051	11.41	12.50	1.285	0.066	/
	DSI 1	Right side			18900	1880	50	0	0.11	0.011	11.41	12.50	1.285	0.014	/
	DSI 1	Top side			18900	1880	50	0	0.01	0.305	11.41	12.50	1.285	0.392	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.6LTE Band 5(10MHz Bandwidth)

Antenna	Power Reduction	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.
Body															
ANT 0	DSI 1	Back side	0mm	QPSK	20525	836.5	1	25	-0.10	0.042	16.36	17.00	1.159	0.049	/
	DSI 1	Right side			20525	836.5	1	25	0.18	0.017	16.36	17.00	1.159	0.020	/
	DSI 1	Top side			20525	836.5	1	25	0.01	0.156	16.36	17.00	1.159	0.181	6
	DSI 1	Back side	0mm	QPSK	20525	836.5	25	0	0.18	0.044	15.46	16.00	1.132	0.050	/
	DSI 1	Right side			20525	836.5	25	0	-0.02	0.024	15.46	16.00	1.132	0.027	/
	DSI 1	Top side			20525	836.5	25	0	-0.19	0.153	15.46	16.00	1.132	0.173	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.7 LTE Band 7(20MHz Bandwidth)

Antenna	Power Reduction	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.
Body															
ANT 0	DSI 1	Back side	0mm	QPSK	21100	2535	1	0	0.01	0.084	15.53	16.00	1.114	0.094	/
	DSI 1	Right side			21100	2535	1	0	-0.05	0.070	15.53	16.00	1.114	0.078	/
	DSI 1	Top side			21100	2535	1	0	-0.01	0.671	15.53	16.00	1.114	0.748	7
	DSI 1	Back side	0mm	QPSK	21350	2560	50	0	-0.02	0.061	14.35	15.00	1.161	0.071	/
	DSI 1	Right side			21350	2560	50	0	0.12	0.052	14.35	15.00	1.161	0.060	/
	DSI 1	Top side			21350	2560	50	0	0.03	0.442	14.35	15.00	1.161	0.513	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.8 LTE Band 41(20MHz Bandwidth)

Antenna	Power Reduction	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.
Body															
ANT 0	DSI 1	Back side	0mm	QPSK	41055	2636.5	1	0	-0.18	0.082	19.57	20.00	1.104	0.091	/
	DSI 1	Right side			41055	2636.5	1	0	0.17	0.103	19.57	20.00	1.104	0.114	/
	DSI 1	Top side			41055	2636.5	1	0	0.11	0.880	19.57	20.00	1.104	0.972	/
	DSI 1	Top side			39750	2506	1	0	-0.18	0.931	19.33	20.00	1.167	1.086	8
	DSI 1	Top side			39750	2506	1	0	0.07	0.915	19.33	20.00	1.167	1.068	Repeat
	DSI 1	Top side			40185	2549.5	1	0	0.14	0.615	19.33	20.00	1.167	0.718	/
	DSI 1	Top side			40620	2593	1	0	0.05	0.575	19.18	20.00	1.208	0.694	/
	DSI 1	Top side			41490	2680	1	0	-0.17	0.478	19.01	20.00	1.256	0.600	/
	DSI 1	Back side	0mm	QPSK	41055	2636.5	50	0	0.13	0.062	18.64	19.00	1.086	0.067	/
	DSI 1	Right side			41055	2636.5	50	0	-0.06	0.095	18.64	19.00	1.086	0.103	/
	DSI 1	Top side			41055	2636.5	50	0	-0.15	0.586	18.64	19.00	1.086	0.637	/
	DSI 1	Top side			41055	2636.5	100	0	0.10	0.573	18.37	19.00	1.156	0.662	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.10 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.
Body													
Back side	0mm	3DH5	39	2440	0.14	0.046	9.69	10.50	1.205	77.15	1.296	0.072	/
Left side			39	2440	-0.16	0.088	9.69	10.50	1.205	77.15	1.296	0.137	/
Top side			39	2440	0.15	0.163	9.69	10.50	1.205	77.15	1.296	0.255	9
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.11 WIFI 2.4GHz

Power Reduction	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.
Body														
DSI 1	Back side	0mm	802.11b	6	2437	-0.11	0.103	10.39	11.00	1.151	97.87	1.022	0.121	/
DSI 1	Left side			6	2437	0.15	0.205	10.39	11.00	1.151	97.87	1.022	0.241	/
DSI 1	Top side			6	2437	0.18	0.422	10.39	11.00	1.151	97.87	1.022	0.496	10
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.12 WIFI 5GHz

Band	Power Reduction	Test Position	Dist.	Test Mode	Test CH	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.
Body															
5.3G	DSI 1	Back side	0mm	802.11n40	54	5270	0.04	0.065	9.82	10.50	1.169	65.94	1.517	0.115	/
	DSI 1	Left side			54	5270	0.13	0.119	9.82	10.50	1.169	65.94	1.517	0.211	/
	DSI 1	Top side			54	5270	-0.15	0.281	9.82	10.50	1.169	65.94	1.517	0.498	11
5.6G	DSI 1	Back side	0mm	802.11n40	134	5670	-0.14	0.055	11.48	12.00	1.127	65.94	1.517	0.094	/
	DSI 1	Left side			134	5670	-0.10	0.077	11.48	12.00	1.127	65.94	1.517	0.132	/
	DSI 1	Top side			134	5670	0.03	0.256	11.48	12.00	1.127	65.94	1.517	0.438	12
5.8G	DSI 1	Back side	0mm	802.11n40	151	5755	0.02	0.045	11.04	11.50	1.112	65.94	1.517	0.076	/
	DSI 1	Left side			151	5755	-0.07	0.101	11.04	11.50	1.112	65.94	1.517	0.170	/
	DSI 1	Top side			151	5755	-0.19	0.227	11.04	11.50	1.112	65.94	1.517	0.383	13

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
2506	LTE Band 7	Body	Top side	0.931	Yes	0.915	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	Body
1	WWAN + 2.4G WIFI	Yes
2	WWAN + 5G WIFI	Yes
3	WWAN + BT	Yes

Note:

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

12.2 Sum SAR of Simultaneous Transmission

12.2.1 Sum Body 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
GSM850	Back side	0.198	0.121	0.115	0.072	0.319	0.314	0.270
	Left side	0.000	0.241	0.211	0.137	0.241	0.211	0.137
	Right side	0.105	0.000	0.000	0.000	0.105	0.105	0.105
	Top side	0.539	0.496	0.498	0.253	1.035	1.037	0.792
GSM1900	Back side	0.118	0.121	0.115	0.072	0.239	0.234	0.190
	Left side	0.000	0.241	0.211	0.137	0.241	0.211	0.137
	Right side	0.019	0.000	0.000	0.000	0.019	0.019	0.019
	Top side	0.847	0.496	0.498	0.253	1.343	1.345	1.100
WCDMA B2	Back side	0.047	0.121	0.115	0.072	0.168	0.163	0.119
	Left side	0.000	0.241	0.211	0.137	0.241	0.211	0.137
	Right side	0.037	0.000	0.000	0.000	0.037	0.037	0.037
	Top side	0.558	0.496	0.498	0.253	1.054	1.056	0.811
WCDMA B5	Back side	0.212	0.121	0.115	0.072	0.332	0.327	0.284
	Left side	0.000	0.241	0.211	0.137	0.241	0.211	0.137
	Right side	0.119	0.000	0.000	0.000	0.119	0.119	0.119
	Top side	0.766	0.496	0.498	0.253	1.262	1.264	1.019
LTE B2	Back side	0.095	0.121	0.115	0.072	0.215	0.210	0.167
	Left side	0.000	0.241	0.211	0.137	0.241	0.211	0.137
	Right side	0.020	0.000	0.000	0.000	0.020	0.020	0.020
	Top side	0.497	0.496	0.498	0.253	0.993	0.996	0.750
LTE B5	Back side	0.050	0.121	0.115	0.072	0.170	0.165	0.122
	Left side	0.000	0.241	0.211	0.137	0.241	0.211	0.137
	Right side	0.027	0.000	0.000	0.000	0.027	0.027	0.027
	Top side	0.181	0.496	0.498	0.253	0.677	0.679	0.434
LTE B7	Back side	0.094	0.121	0.115	0.072	0.214	0.209	0.165
	Left side	0.000	0.241	0.211	0.137	0.241	0.211	0.137
	Right side	0.078	0.000	0.000	0.000	0.078	0.078	0.078
	Top side	0.748	0.496	0.498	0.253	1.244	1.246	1.001
LTE B41	Back side	0.091	0.121	0.115	0.072	0.211	0.206	0.162
	Left side	0.000	0.241	0.211	0.137	0.241	0.211	0.137
	Right side	0.114	0.000	0.000	0.000	0.114	0.114	0.114
	Top side	1.086	0.496	0.498	0.253	1.583	1.585	1.339
Note: The highest Summed 1g SAR is 1.585 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
835MHz Validation Dipole	Speag	D835V2	4d277	2024/08/30	2027/08/30
1900MHz Validation Dipole	Speag	D1900V2	5d155	2024/09/02	2027/09/02
2450MHz Validation Dipole	Speag	D2450V2	1065	2024/09/05	2027/09/05
2600MHz Validation Dipole	Speag	D2600V2	1184	2024/08/30	2027/08/30
5GHz Validation Dipole	Speag	D5GHzV2	1333	2024/09/04	2027/09/04
Data Acquisition Electronicsr	Speag	DAE4	540	2025/04/21	2026/04/21
E-Field Probe	Speag	EX3DV4	3748	2025/04/24	2026/04/24
Signal Generator	R&S	SMB100A	182635	2025/02/12	2026/02/12
Power Meter	Agilent	E4419B	MY45104512	2025/02/11	2026/02/11
Power Sensor	Agilent	E9304A	MY41499059	2025/02/11	2026/02/11
Power Sensor	Agilent	E9304A	MY41499060	2025/02/11	2026/02/11
Wireless Communication Test Set	R&S	CMW500	168792	2025/02/11	2026/02/11
Network Analyzer	Agilent	E5071C	MY56301409	2025/02/12	2026/02/12
Thermometer	CEM	DT-322	210402350	2025/01/22	2026/01/22
Thermometer	Elitech	RC-4HC	EF7247001275	2025/01/22	2026/01/22
Power Amplifier	COM-MW	PAO.4	201704001	N/A	N/A
Dielectric Probe Kit	Keysight	85070E	2655	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, Tejet has adopted 3 years as calibration intervals, and on annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:

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

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

The dielectric parameters of the liquids were verified prior to the SAR evaluation using an 85070E 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 (%)
2025.6.1	Head	835	20.9	0.92	42.59	0.90	41.50	2.22	2.63
2025.6.1	Head	1900	20.9	1.44	39.19	1.40	40.00	2.86	-2.03
2025.6.2	Head	2450	21.4	1.84	38.66	1.80	39.20	2.22	-1.38
2025.6.2	Head	2600	21.4	1.98	38.13	1.96	39.01	1.02	-2.26
2025.6.3	Head	5300	20.6	4.65	35.10	4.76	35.87	-2.31	-2.15
2025.6.3	Head	5600	20.6	4.96	34.48	5.07	35.53	-2.17	-2.96
2025.6.3	Head	5800	20.6	5.17	34.08	5.27	35.30	-1.90	-3.46
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 (%)
2025.6.1	Head	835	100	0.939	9.39	9.59	-2.09
2025.6.1	Head	1900	100	4.220	42.20	39.90	5.76
2025.6.2	Head	2450	100	5.030	50.30	52.60	-4.37
2025.6.2	Head	2600	100	5.780	57.80	55.30	4.52
2025.6.3	Head	5300	100	8.190	81.90	79.00	3.67
2025.6.3	Head	5600	100	8.560	85.60	82.80	3.38
2025.6.3	Head	5800	100	8.330	83.30	78.50	6.11
Note: The tolerance limit of System validation ±10%.							

System Performance Check Data (835MHz)

Date: 2025/6/1
Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 835 MHz; σ = 0.917 S/m; ε_r = 42.587; ρ = 1000 kg/m^3
Phantom section: Flat Section

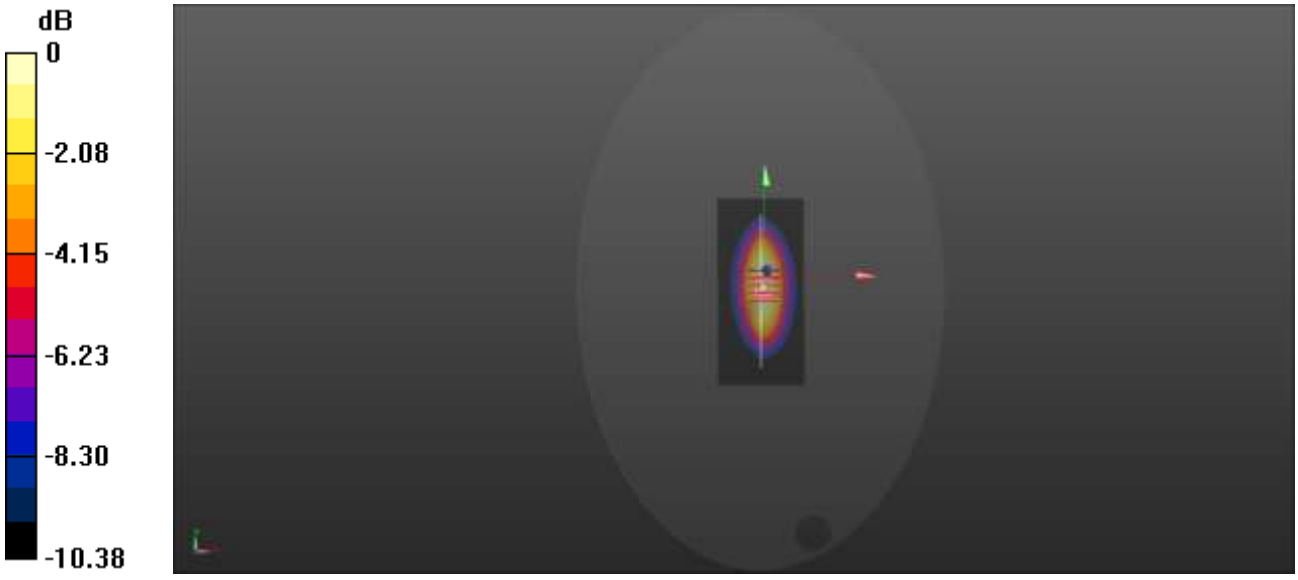
Ambient Temperature:22.3℃ Liquid Temperature:20.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.74, 8.74, 8.74); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 835/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.23 W/kg

CW 835/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.98 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.939 W/kg; SAR(10 g) = 0.620 W/kg
Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg

System Performance Check Data (1900MHz)

Date: 2025/6/1
Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.436 S/m; ε_r = 39.192; ρ = 1000 kg/m^3
Phantom section: Flat Section

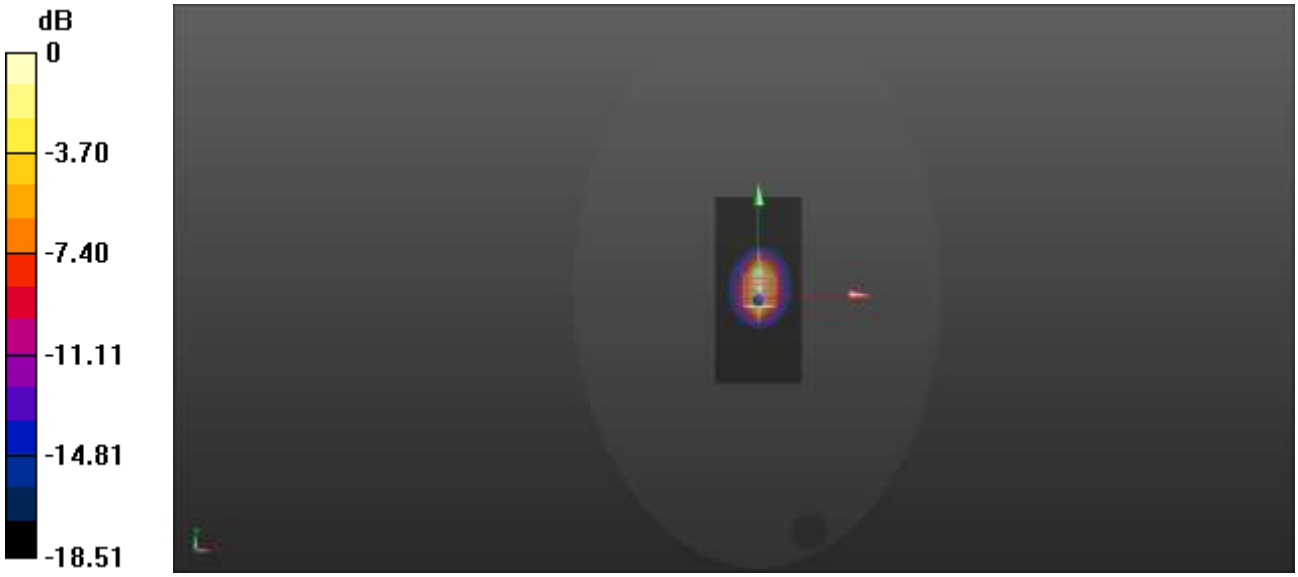
Ambient Temperature:22.3℃ Liquid Temperature:20.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.3, 7.3, 7.3); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 1900/Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.85 W/kg

CW 1900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 56.75 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 7.80 W/kg
SAR(1 g) = 4.22 W/kg; SAR(10 g) = 2.19 W/kg
Maximum value of SAR (measured) = 6.57 W/kg



0 dB = 6.57 W/kg

System Performance Check Data (2450MHz)

Date: 2025/6/2
Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.838 S/m; ε_r = 38.659; ρ = 1000 kg/m^3
Phantom section: Flat Section

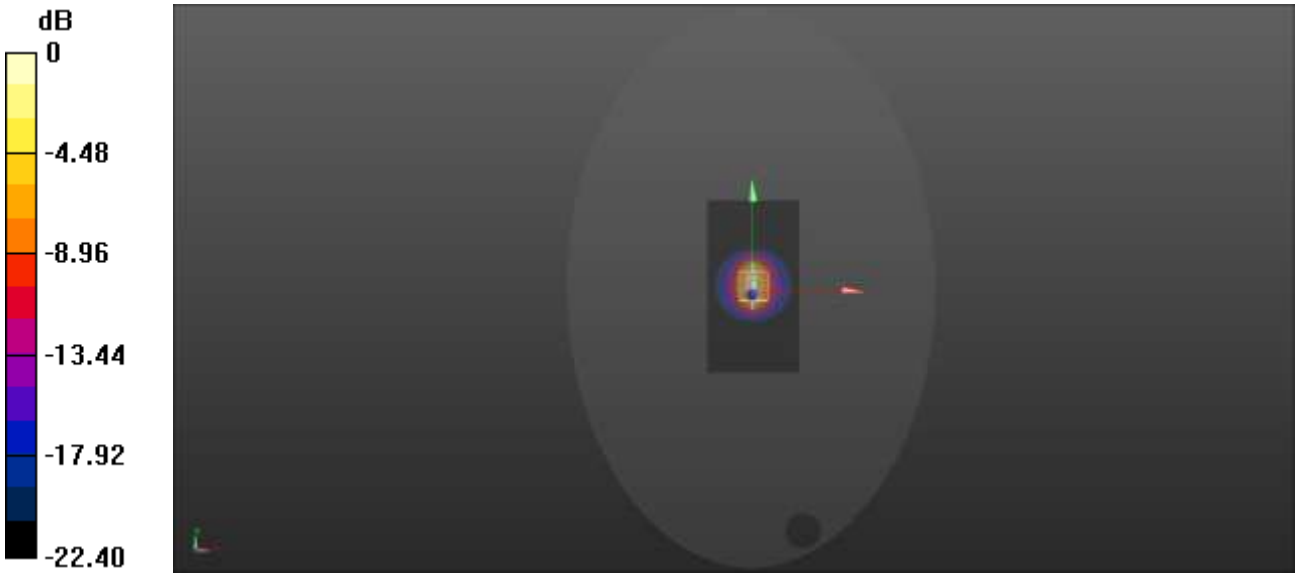
Ambient Temperature:22.7℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.9, 6.9, 6.9); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 2450/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 8.73 W/kg

CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.72 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 10.3 W/kg
SAR(1 g) = 5.03 W/kg; SAR(10 g) = 2.33 W/kg
Maximum value of SAR (measured) = 8.39 W/kg



0 dB = 8.39 W/kg

System Performance Check Data (2600MHz)

Date: 2025/6/2
Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.975 S/m; ε_r = 38.132; ρ = 1000 kg/m^3
Phantom section: Flat Section

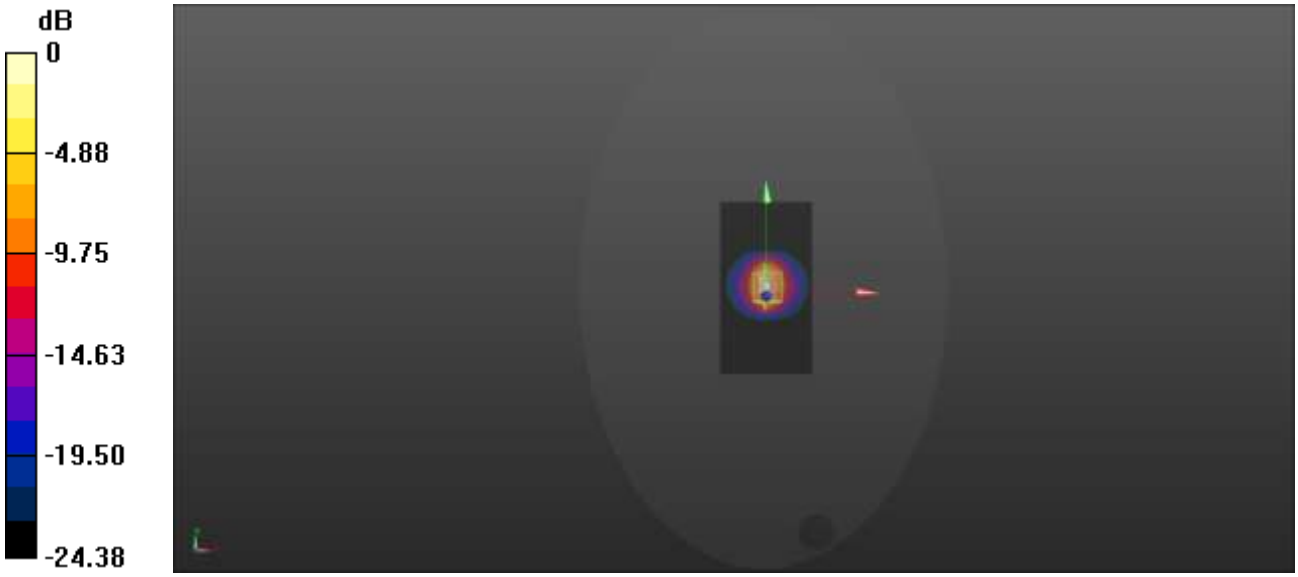
Ambient Temperature:22.7℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.72, 6.72, 6.72); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 2600/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 10.3 W/kg

CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.49 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 12.6 W/kg
SAR(1 g) = 5.78 W/kg; SAR(10 g) = 2.55 W/kg
Maximum value of SAR (measured) = 9.94 W/kg



0 dB = 9.94 W/kg

System Performance Check Data (5300MHz)

Date: 2025/6/3
Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 4.653 S/m; ε_r = 35.101; ρ = 1000 kg/m^3
Phantom section: Flat Section

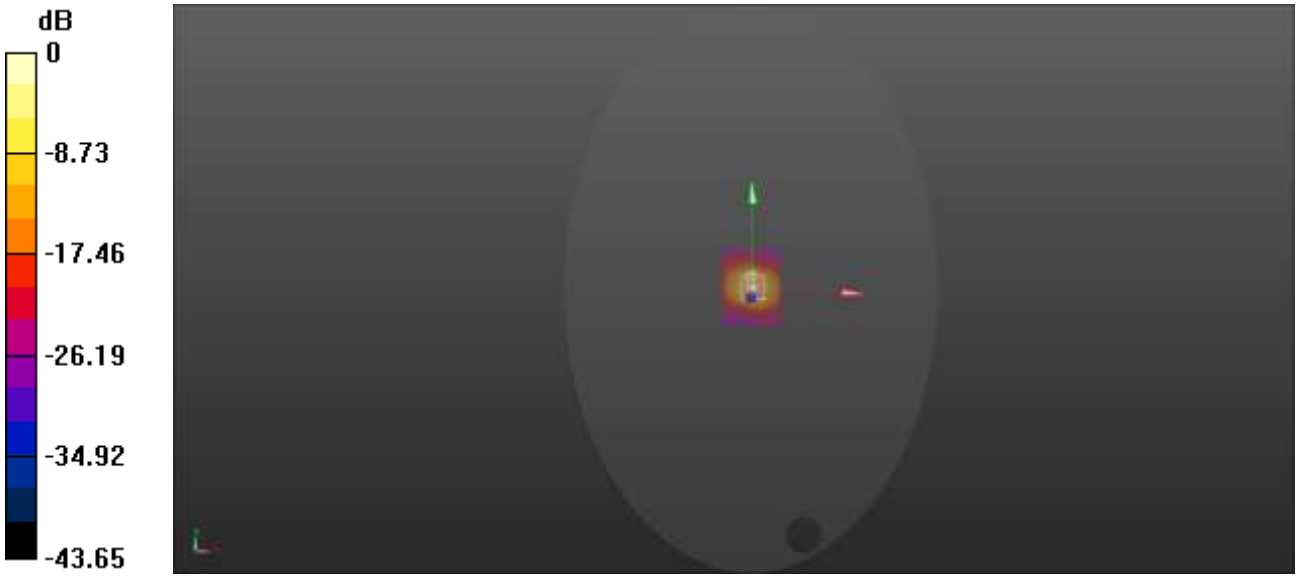
Ambient Temperature:22.0℃ Liquid Temperature:20.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(4.85, 4.85, 4.85); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 5300/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 23.5 W/kg

CW 5300/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 43.99 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 35.8 W/kg
SAR(1 g) = 8.19 W/kg; SAR(10 g) = 2.34 W/kg
Maximum value of SAR (measured) = 20.9 W/kg



0 dB = 20.9 W/kg

System Performance Check Data (5600MHz)

Date: 2025/6/3
Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 4.963 S/m; ε_r = 34.483; ρ = 1000 kg/m^3
Phantom section: Flat Section

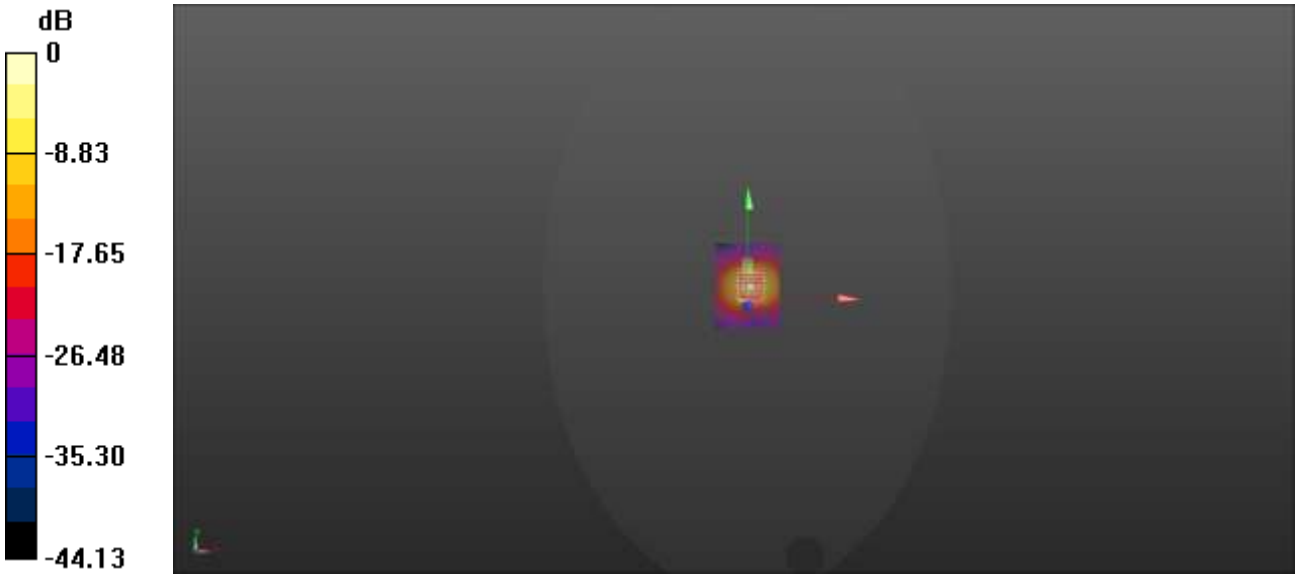
Ambient Temperature:22.0℃ Liquid Temperature:20.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(4.39, 4.39, 4.39); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 5600/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 22.8 W/kg

CW 5600/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 42.14 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 39.6 W/kg
SAR(1 g) = 8.56 W/kg; SAR(10 g) = 2.41 W/kg
Maximum value of SAR (measured) = 22.6 W/kg



0 dB = 23.6 W/kg

System Performance Check Data (5800MHz)

Date: 2025/6/3
Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.166 S/m; ε_r = 34.081; ρ = 1000 kg/m^3
Phantom section: Flat Section

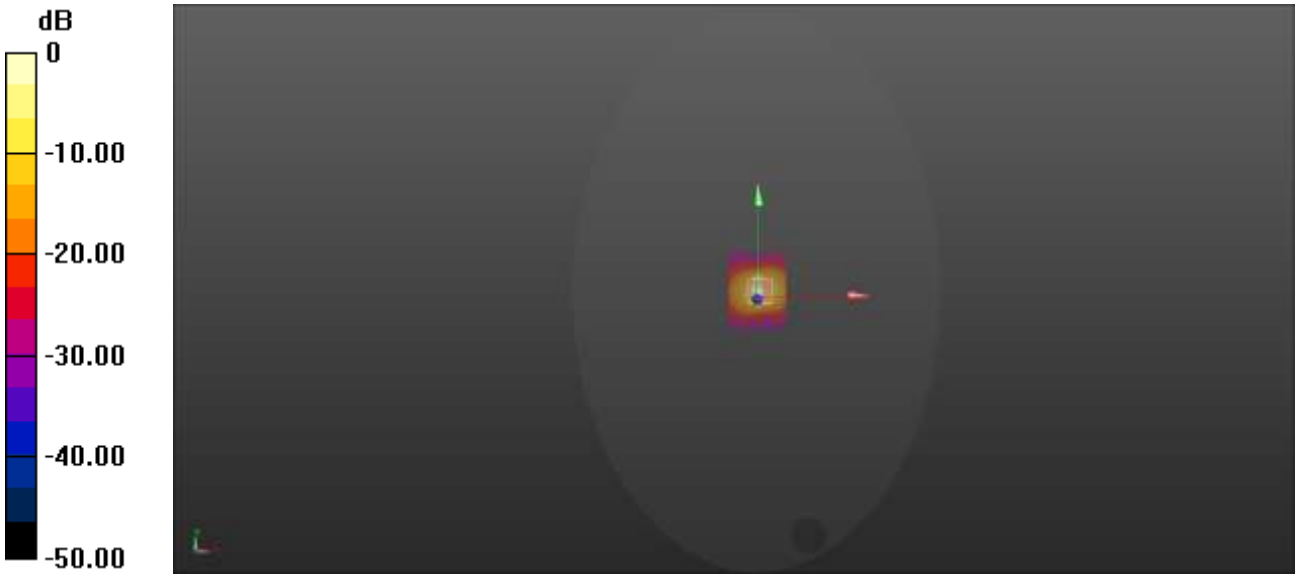
Ambient Temperature:22.0℃ Liquid Temperature:20.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(4.41, 4.41, 4.41); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 5800/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 22.1 W/kg

CW 5800/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 40.44 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 38.9 W/kg
SAR(1 g) = 8.33 W/kg; SAR(10 g) = 2.35 W/kg
Maximum value of SAR (measured) = 22.1 W/kg



0 dB = 22.1 W/kg

ANNEX C TEST DATA

Meas1.Body Top Side 0mm GSM 850 Ch190
Date: 2025/6/1
Communication System Band: GPRS850; Frequency: 836.6 MHz;Duty Cycle: 1:2.08
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.918 S/m; ε_r = 42.587; ρ = 1000 kg/m^3
Phantom section: Flat Section

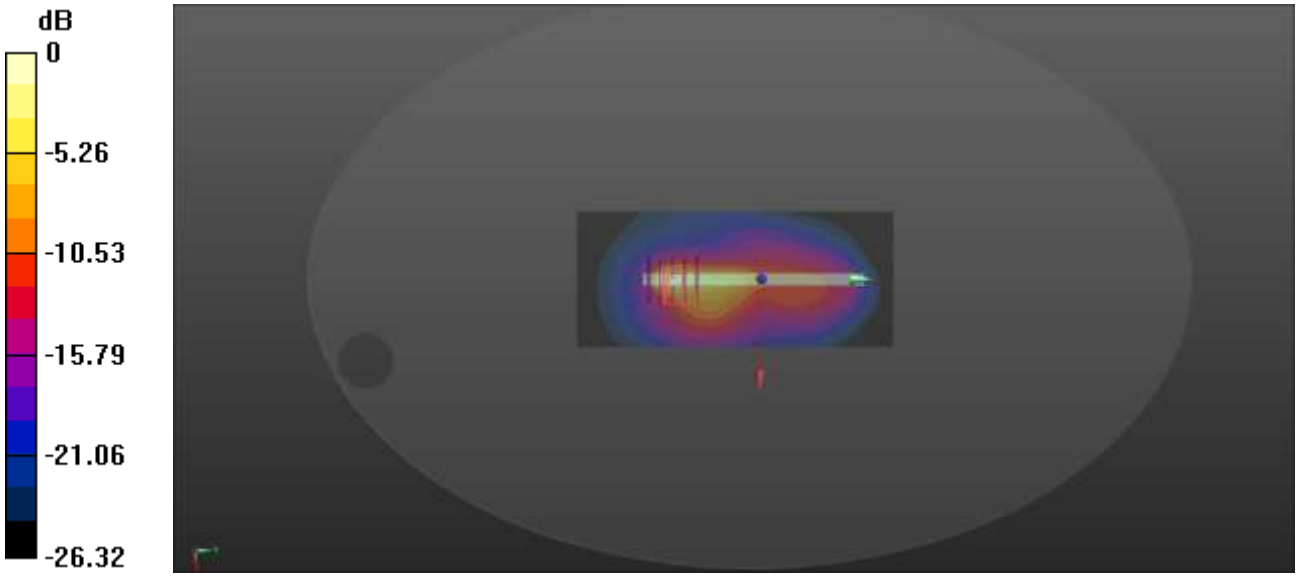
Ambient Temperature:22.3℃ Liquid Temperature:20.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.74, 8.74, 8.74); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch190/Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.89 W/kg

Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.73 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 3.34 W/kg
SAR(1 g) = 0.440 W/kg; SAR(10 g) = 0.143 W/kg
Maximum value of SAR (measured) = 1.63 W/kg



0 dB = 1.63 W/kg

Meas2.Body Top Side 0mm GSM 1900 Ch512
Date: 2025/6/1
Communication System Band: GPRS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:2.08
Medium parameters used: f = 1850.2 MHz; σ = 1.415 S/m; ε_r = 39.187; ρ = 1000 kg/m^3
Phantom section: Flat Section

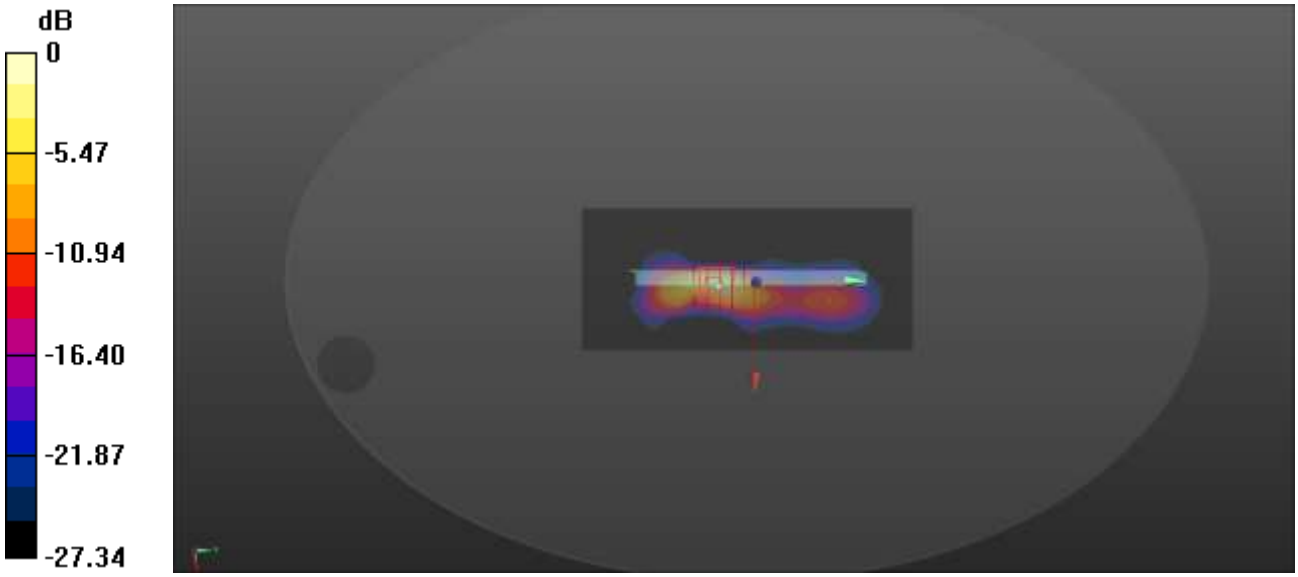
Ambient Temperature:22.3℃ Liquid Temperature:20.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.3, 7.3, 7.3); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch512/Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.17 W/kg

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.894 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 0.659 W/kg; SAR(10 g) = 0.247 W/kg
Maximum value of SAR (measured) = 1.62 W/kg



0 dB = 1.62 W/kg

Meas3.Body Top Side 0mm WCDMA B2 Ch9262
Date: 2025/6/1
Communication System Band: II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.417 S/m; ε_r = 39.244; ρ = 1000 kg/m^3
Phantom section: Flat Section

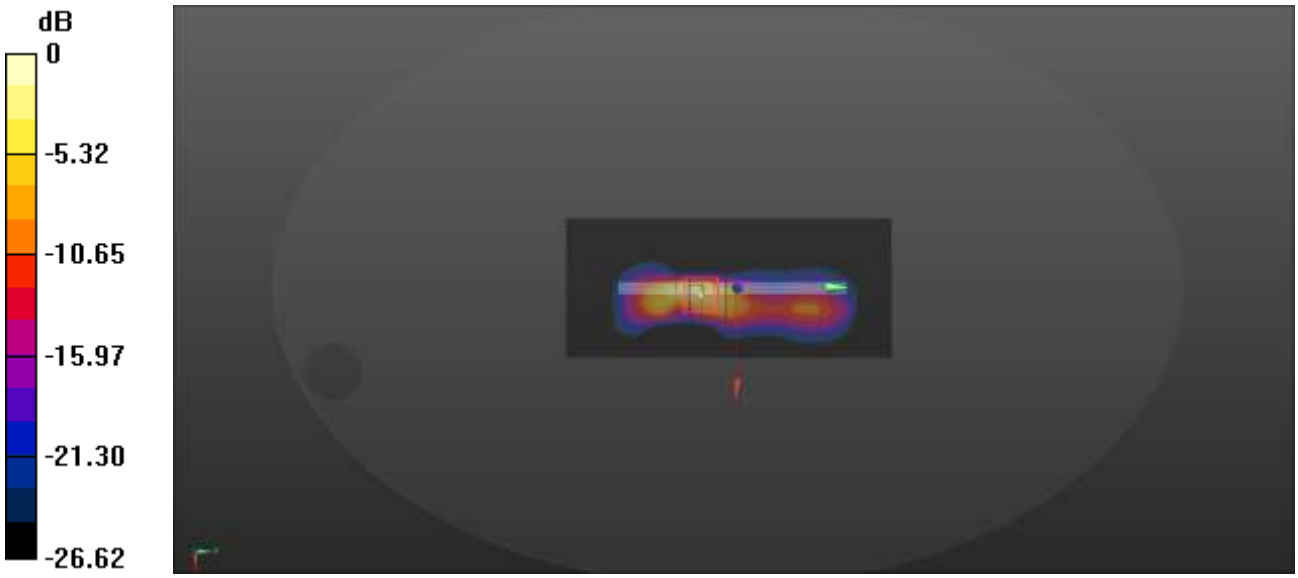
Ambient Temperature:22.3℃ Liquid Temperature:20.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.3, 7.3, 7.3); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch9262/Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.832 W/kg

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.257 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.189 W/kg
Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg

Meas4.Body Top Side 0mm WCDMA B5 Ch4182
Date: 2025/6/1
Communication System Band: V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.918 S/m; ε_r = 42.587; ρ = 1000 kg/m^3
Phantom section: Flat Section

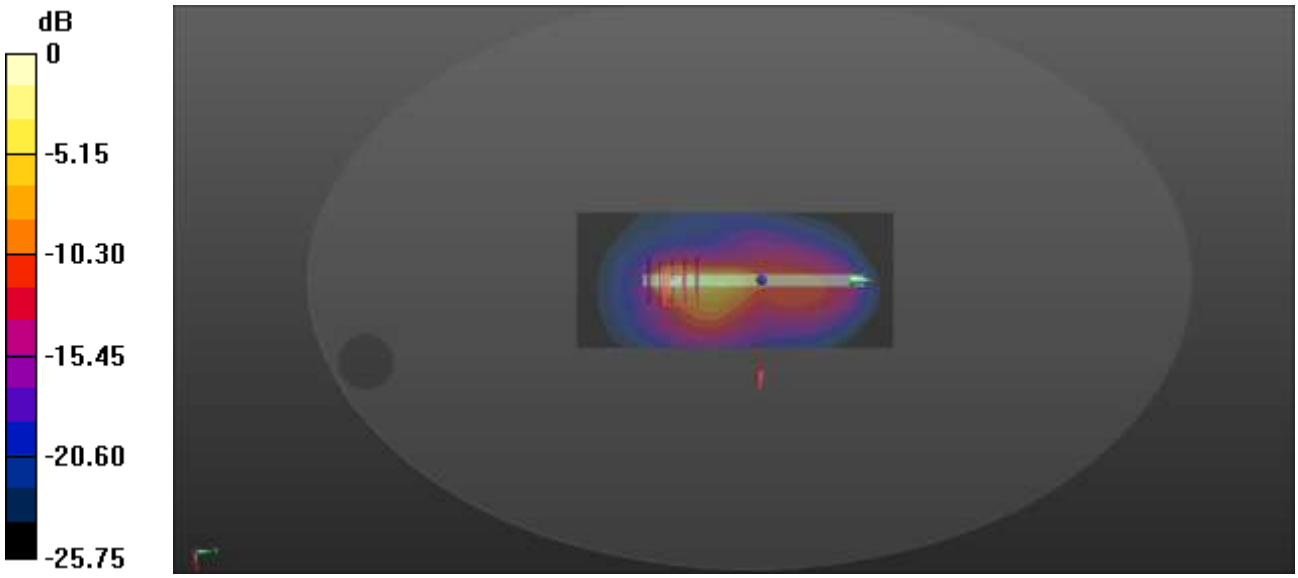
Ambient Temperature:22.3℃ Liquid Temperature:20.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.74, 8.74, 8.74); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2024/6/28
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch4182/Area Scan (51x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.15 W/kg

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.22 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 3.67 W/kg
SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.220 W/kg
Maximum value of SAR (measured) = 1.90 W/kg



0 dB = 1.90 W/kg

Meas5.Body Top Side 0mm LTE B2 Ch18900
Date: 2025/6/1
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 = 1.424 S/m; ε_r = 39.194; ρ = 1000 kg/m^3
Phantom section: Flat Section

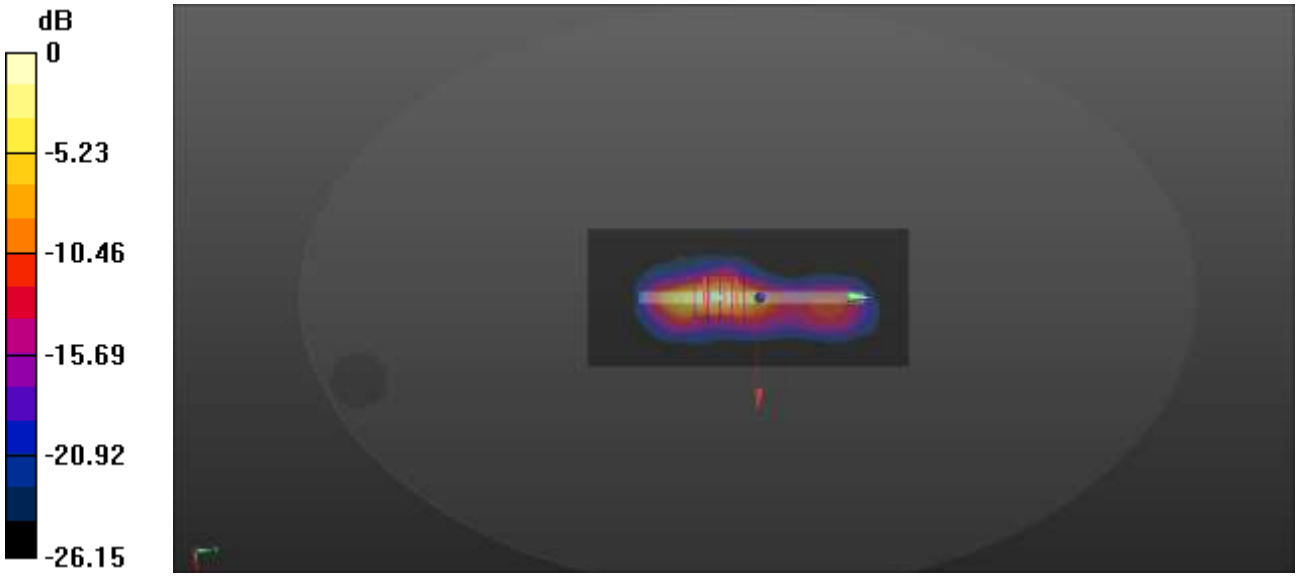
Ambient Temperature:22.3℃ Liquid Temperature:20.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(7.3, 7.3, 7.3); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch18900/Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.03 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.57 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.163 W/kg
Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg

Meas6.Body Top Side 0mm LTE B5 Ch20525
Date: 2025/6/1
Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.918 S/m; ε_r = 42.587; ρ = 1000 kg/m^3
Phantom section: Flat Section

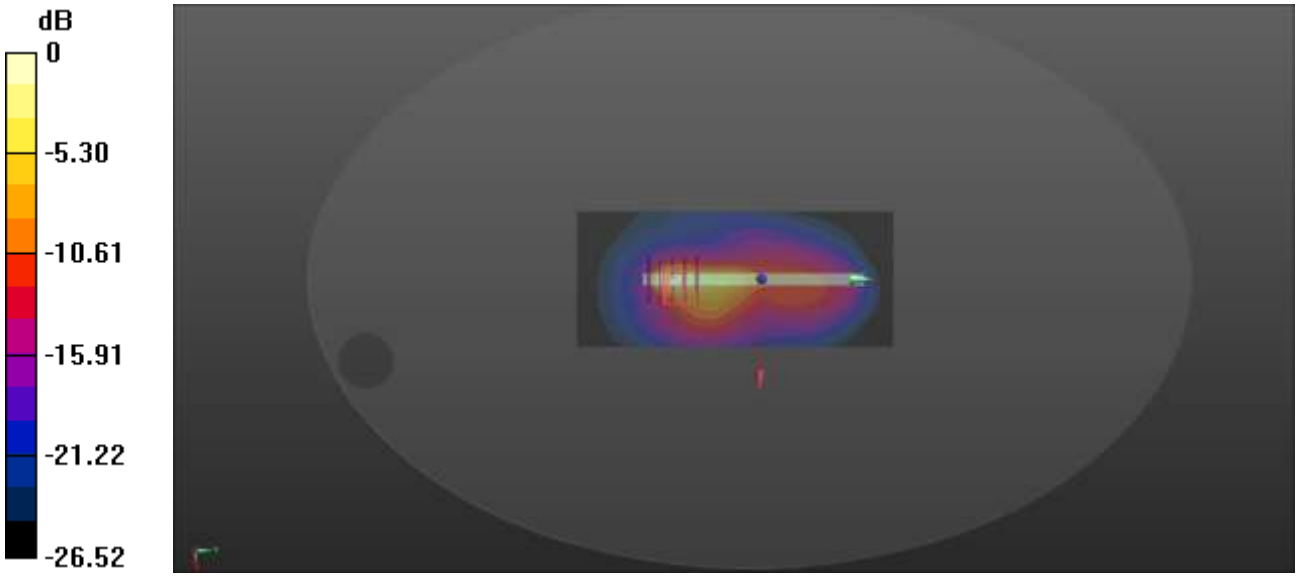
Ambient Temperature:22.3℃ Liquid Temperature:20.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.74, 8.74, 8.74); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2024/6/28
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch20525/Area Scan (51x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.300 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.292 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.905 W/kg
SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.057 W/kg
Maximum value of SAR (measured) = 0.475 W/kg



0 dB = 0.475 W/kg

Meas7.Body Top Side 0mm LTE B7 Ch21100
Date: 2025/6/2
Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2535 MHz; σ = 1.903 S/m; ε_r = 38.328; ρ = 1000 kg/m^3
Phantom section: Flat Section

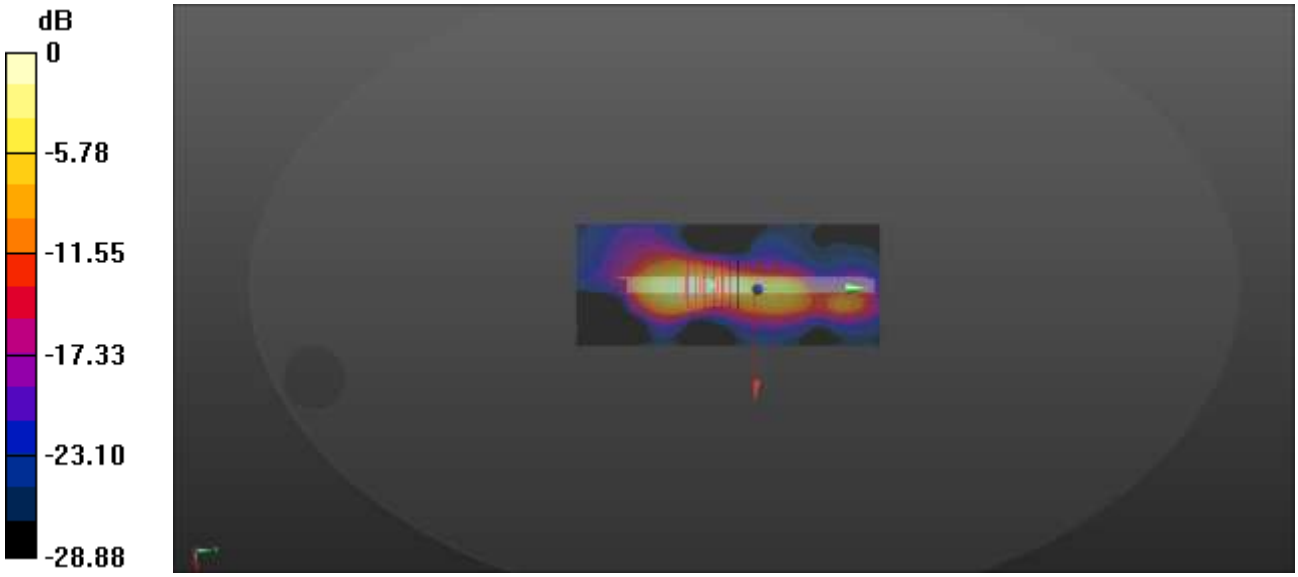
Ambient Temperature:22.7℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.72, 6.72, 6.72); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch21100/Area Scan (61x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.64 W/kg

Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.16 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.17 W/kg
SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.266 W/kg
Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.49 W/kg

Meas8.Body Top Side 0mm LTE B41 Ch39750
Date: 2025/6/2
Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2506 MHz;Duty Cycle: 1:1.58
Medium parameters used (interpolated): f = 2506 MHz; σ = 1.878 S/m; ε_r = 38.395; ρ = 1000 kg/m^3
Phantom section: Flat Section

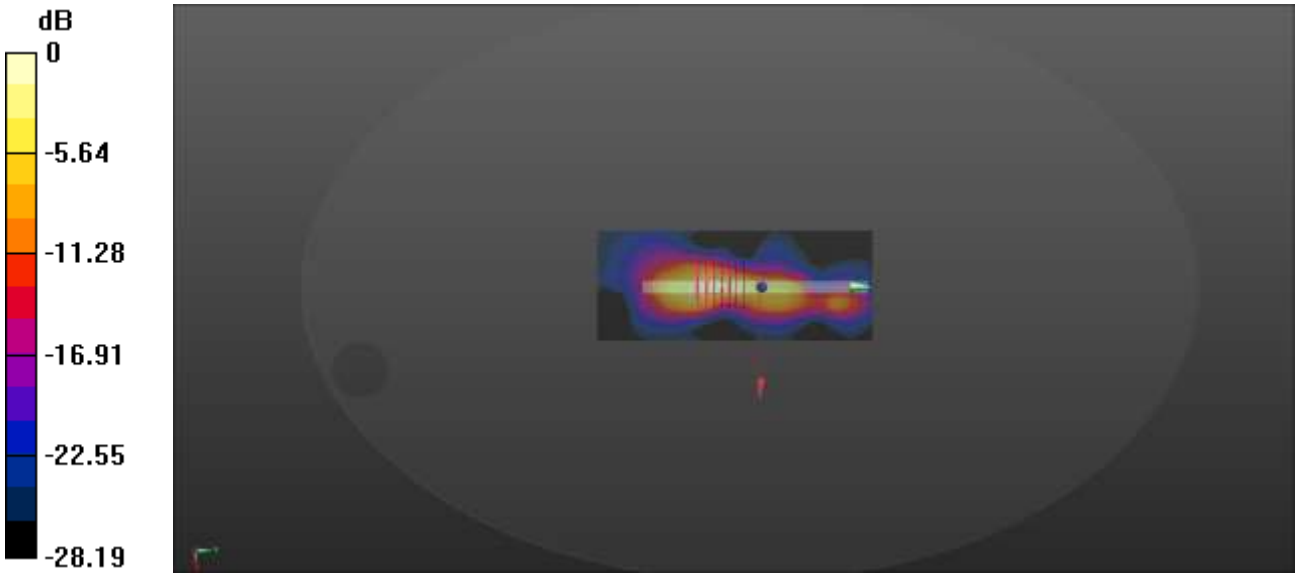
Ambient Temperature:22.7℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.72, 6.72, 6.72); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch39750/Area Scan (61x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 2.17 W/kg

Ch39750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.36 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 2.83 W/kg
SAR(1 g) = 0.931 W/kg; SAR(10 g) = 0.361 W/kg
Maximum value of SAR (measured) = 2.06 W/kg



0 dB = 2.06 W/kg

Meas9.Body Top Side 0mm BT 3DH5 Ch39
Date: 2025/6/2
Communication System Band: BT; Frequency: 2440 MHz;Duty Cycle: 1:1.296
Medium parameters used: f = 2440 MHz; σ = 1.832 S/m; ε_r = 38.671; ρ = 1000 kg/m^3
Phantom section: Flat Section

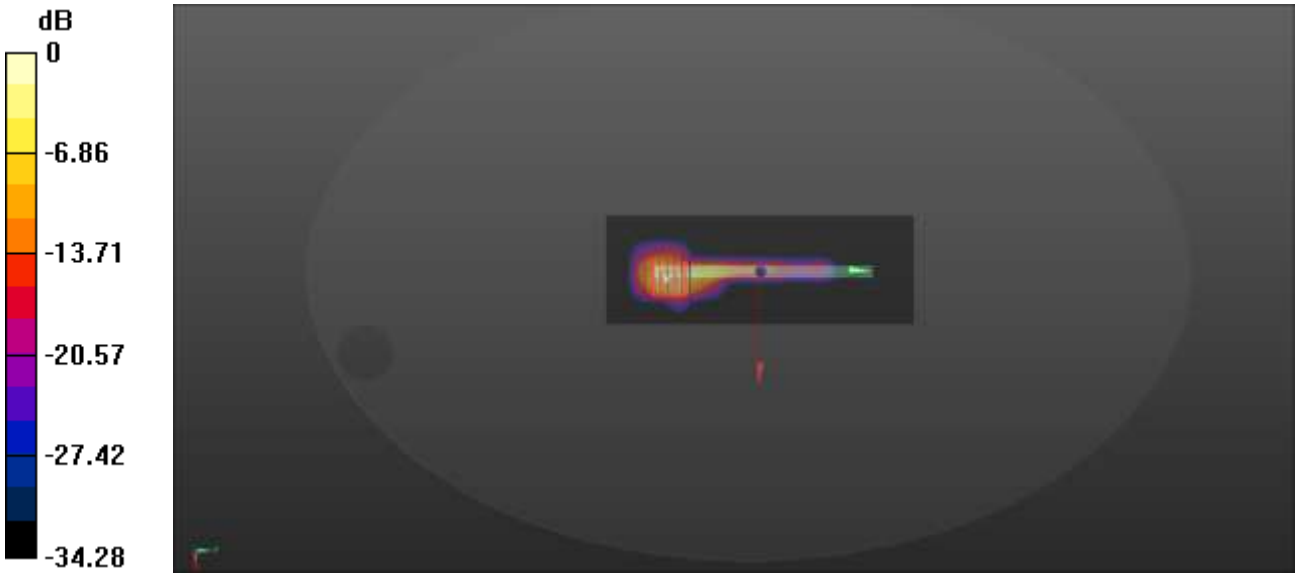
Ambient Temperature:22.7℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.9, 6.9, 6.9); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch39/Area Scan (61x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.276 W/kg

Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.099 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.557 W/kg
SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.054 W/kg
Maximum value of SAR (measured) = 0.392 W/kg



0 dB = 0.392 W/kg

Meas10.Body Top Side 0mm WLAN 2.4G Ch6
Date: 2025/6/2
Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.022
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.83 S/m; ε_r = 38.676; ρ = 1000 kg/m^3
Phantom section: Flat Section

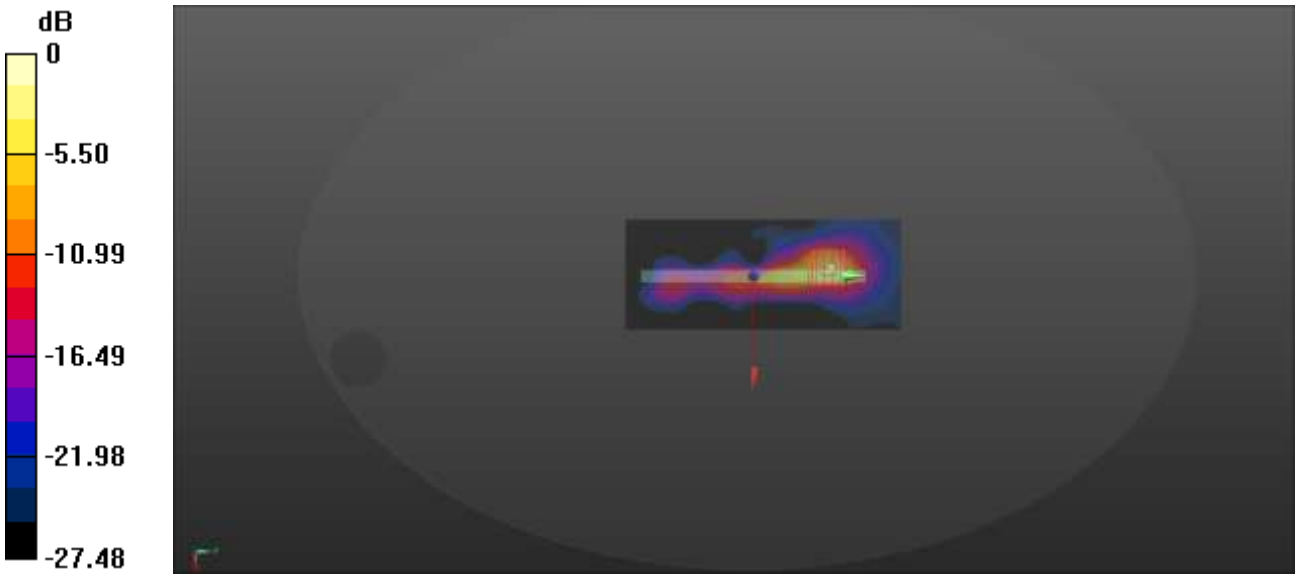
Ambient Temperature:22.7℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.9, 6.9, 6.9); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch6/Area Scan (61x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.585 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.570 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.422 W/kg; SAR(10 g) = 0.143 W/kg
Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg

Meas11.Body Top Side 0mm WLAN 5.3G Ch54
Date: 2025/6/3
Communication System Band: WLAN(n)40Mhz; Frequency: 5270 MHz;Duty Cycle: 1:1.517
Medium parameters used: f = 5270 MHz; σ = 4.615 S/m; ε_r = 35.142; ρ = 1000 kg/m^3
Phantom section: Flat Section

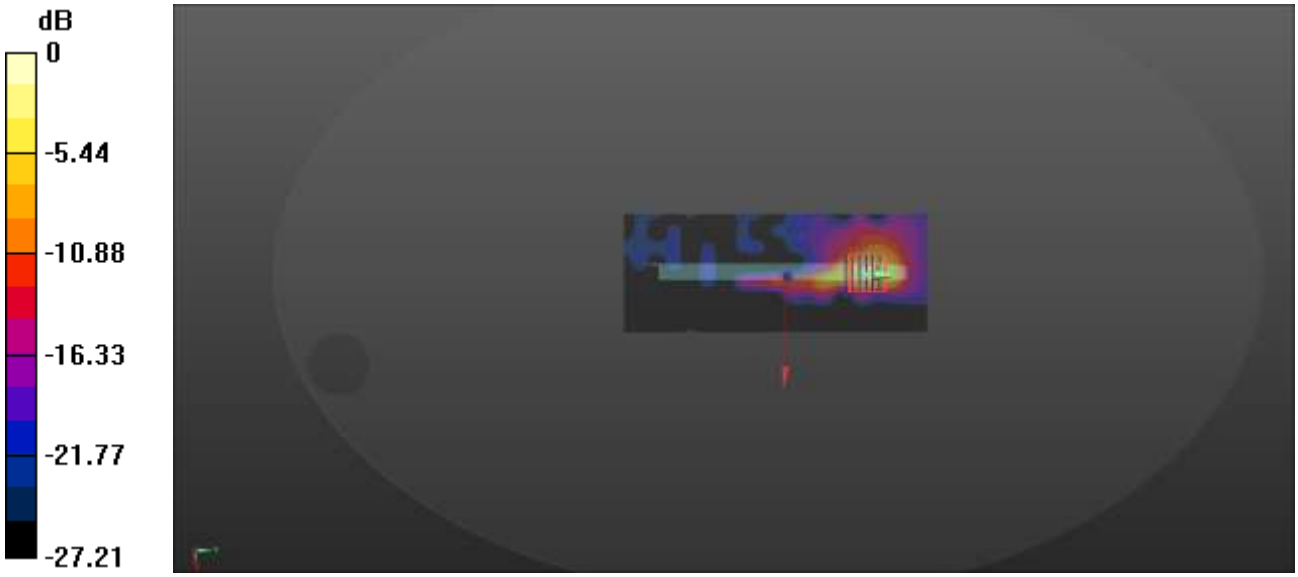
Ambient Temperature:22.0℃ Liquid Temperature:20.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(4.85, 4.85, 4.85); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch54/Area Scan (71x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.805 W/kg

Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.277 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.84 W/kg
SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.072 W/kg
Maximum value of SAR (measured) = 0.845 W/kg



0 dB = 0.845 W/kg

Meas12.Body Top Side 0mm WLAN 5.6G Ch134
Date: 2025/6/3
Communication System Band: WLAN(n)40Mhz; Frequency: 5670 MHz;Duty Cycle: 1:1.517
Medium parameters used: f = 5670 MHz; σ = 5.028 S/m; ε_r = 34.322; ρ = 1000 kg/m^3
Phantom section: Flat Section

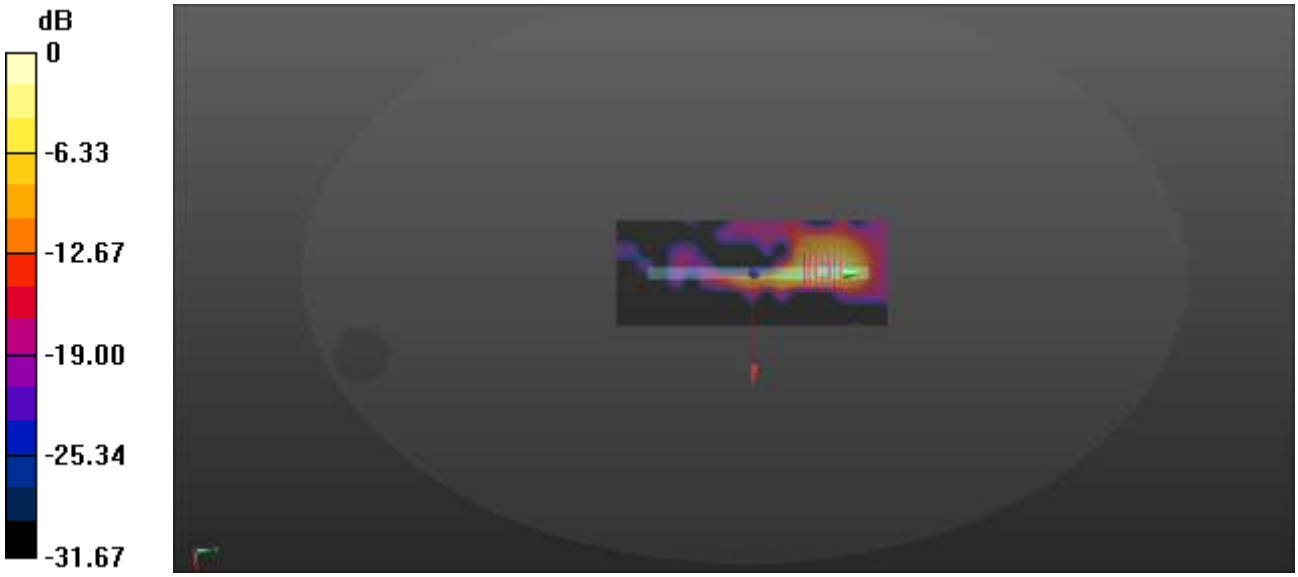
Ambient Temperature:22.0℃ Liquid Temperature:20.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(4.39, 4.39, 4.39); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch134/Area Scan (71x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.693 W/kg

Ch134/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.071 W/kg
Maximum value of SAR (measured) = 0.706 W/kg



0 dB = 0.706 W/kg

Meas13.Body Top Side 0mm WLAN 5.8G Ch151
Date: 2025/6/3
Communication System Band: WLAN(n) 40Mhz; Frequency: 5755 MHz;Duty Cycle: 1:1.517
Medium parameters used (interpolated): f = 5755 MHz; σ = 5.113 S/m; ε_r = 34.165; ρ = 1000 kg/m^3
Phantom section: Flat Section

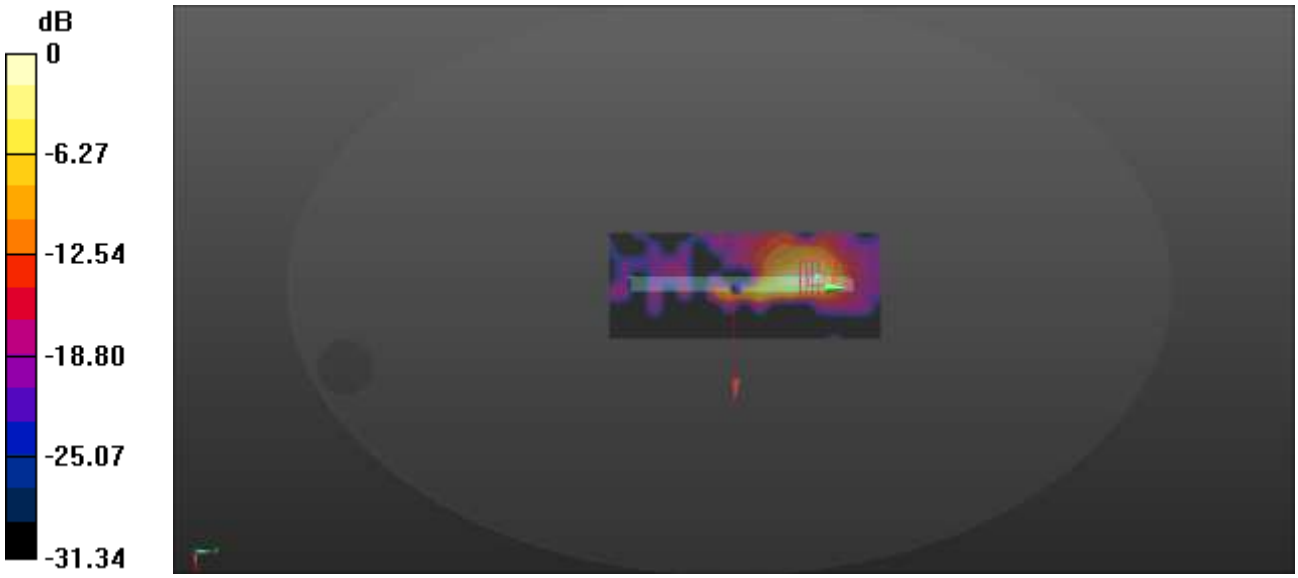
Ambient Temperature:22.0℃ Liquid Temperature:20.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(4.41, 4.41, 4.41); Calibrated: 2025/4/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2025/4/21
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1086
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch151/Area Scan (71x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.749 W/kg

Ch151/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) = 1.75 W/kg
SAR(1 g) = 0.227 W/kg; SAR(10 g) = 0.061 W/kg
Maximum value of SAR (measured) = 0.729 W/kg



0 dB = 0.729 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2540337-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SH2540337-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SH2540337-AC.pdf”.

Statement

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--END OF REPORT--