



SAR TEST REPORT

Product Name: INAIR Pod

Model Number: Sol-A02

FCC ID: 2BMKZ-SOLA02

Issued For : Duoping Technologies HK Limited

Unit 1003, 10/F., Tower 2, Silvercord, 30 Canton Road, Tsim
Sha Tsui, Kowloon, HongKong, China

Issued By : Shenzhen LGT Test Service Co., Ltd.

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Report Number: LGT26F003HA01

Sample Received Date: Jun. 01, 2026

Date of Test Jun. 01, 2026 ~ Jun. 23, 2026

Date of Issue Jun. 23, 2026

Max. SAR (1g) Body: 1.229 W/kg

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Appendix C. Probe Calibration and Dipole Calibration Report

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Revision History

Rev.	Issue Date	Contents
00	Jun. 23, 2026	Initial Issue



TEST REPORT CERTIFICATION

Applicant Duoping Technologies HK Limited
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Manufacture Duoping Technologies HK Limited
Address Unit 1003, 10/F., Tower 2, Silvercord, 30 Canton Road, Tsim Sha Tsui, Kowloon, HongKong, China
Product Name INAIR Pod
Trademark N/A
Model Number Sol-A02
Sample number LGT2606005-2

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
ANSI/IEEE Std. C95.1-2019 FCC 47 CFR Part 2 (2.1093) IEEE 1528: 2013	PASS

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1. General Information

Environmental evaluation measurements of specific absorption rate (SAR) distributions in emulated human head and body tissues exposed to radio frequency (RF) radiation from wireless portable devices for compliance with the rules and regulations of the U.S. Federal Communications Commission (FCC).

1.1 EUT Description

Product Name	INAIr Pod		
Test Model Number	Sol-A02		
Series Number	N/A		
Model Difference	N/A		
Device Category	Portable		
Product stage	Production unit		
RF Exposure Environment	General Population / Uncontrolled		
Hardware Version	QXRC560DPBXZ-8U128-AAPCB		
Software Version	QXRC560DPBXZR01A04_BA01BP01K0M04_AP14.0.0.01.004		
Frequency Range	WLAN	2412~2462 MHz	5150~5250 MHz
		5250~5350 MHz	5470~5725 MHz
		5725~5850 MHz	
	Bluetooth	2402~2480 MHz	
Max. Reported SAR(1g): (Limit:1.6W/kg) Body:0mm	Mode	Body Worn (W/kg)	
	2.4G WLAN ANT 1	1.188	
	2.4G WLAN ANT 2	1.190	
	2.4G WLAN MIMO	0.775	
	5.2G WLAN ANT 1	1.229	
	5.2G WLAN ANT 2	1.020	
	5.2G WLAN MIMO	1.117	
	5.3G WLAN ANT 1	1.199	
	5.3G WLAN ANT 2	1.187	
	5.3G WLAN MIMO	1.196	
	5.6G WLAN ANT 1	1.187	
	5.6G WLAN ANT 2	1.213	
	5.6G WLAN MIMO	1.016	
	5.8G WLAN ANT 1	1.146	
	5.8G WLAN ANT 2	0.494	
5.8G WLAN MIMO	1.077		
	Bluetooth	0.317	
1-g Sum SAR		1.546	
Test distance		0mm	
Battery	Capacity: 2510mAh, 9.7Wh Rated Voltage: DC 3.85V		
Operating Mode	2.4G WLAN: 802.11b(DSSS): CCK, DQPSK, DBPSK 802.11g(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11n(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11ax(OFDM): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024QAM 5G WLAN: 802.11a(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11n(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11ac (OFDM): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM		



	802.11ax(OFDM, OFDMA): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024QAM Bluetooth: GFSK + $\pi/4$ DQPSK+8DPSK BLE: GFSK
Antenna Specification	Bluetooth: PIFA Antenna WLAN: PIFA Antenna
Operating Mode	Maximum continuous output
Hotspot Mode	Not Support
DTM Mode	Not Support
Note: 1. The EUT battery must be fully charged and checked periodically during the test to ascertain uniform power.	



1.2 Test Environment

Ambient conditions in the SAR laboratory:

Items	Required
Temperature (°C)	18-25
Humidity (%RH)	30-70

1.3 Test Factory

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China
Accreditation Certificate	FCC Registration No.: 746540
	CAB ID: CN0136



2. Test Standards and Limits

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	ANSI/IEEE Std. C95.1-2019	IEEE Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic, and Electromagnetic Fields, 0 Hz to 300 GHz
3	IEEE Std. 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	FCC KDB 447498 D01 v06	Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies
5	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
6	FCC KDB 865664 D02 v01r02	RF Exposure Reporting
7	FCC KDB 941225 D06 v02r01	Hotspot Mode SAR
8	FCC KDB 648474 D04 v01r03	SAR Evaluation Considerations for Wireless Handsets
9	FCC KDB 248227 D01 Wi-Fi SAR v02r02	SAR Considerations for 802.11 Devices

(A). Limits for Occupational/Controlled Exposure (W/kg)

Whole-Body Partial-Body Hands, Wrists, Feet and Ankles

0.4 8.0 20.0

(B). Limits for General Population/Uncontrolled Exposure (W/kg)

Whole-Body Partial-Body Hands, Wrists, Feet and Ankles

0.08 1.6 4.0

NOTE: Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1 gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

Population/Uncontrolled Environments:

Are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

Occupational/Controlled Environments:

Are defined as locations where there is exposure that may be incurred by people who are aware of the potential for exposure, (i.e. as a result of employment or occupation).

NOTE GENERAL POPULATION/UNCONTROLLED EXPOSURE PARTIAL BODY LIMIT 1.6 W/kg



3. SAR Measurement System

3.1 Definition of Specific Absorption Rate (SAR)

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

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

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

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

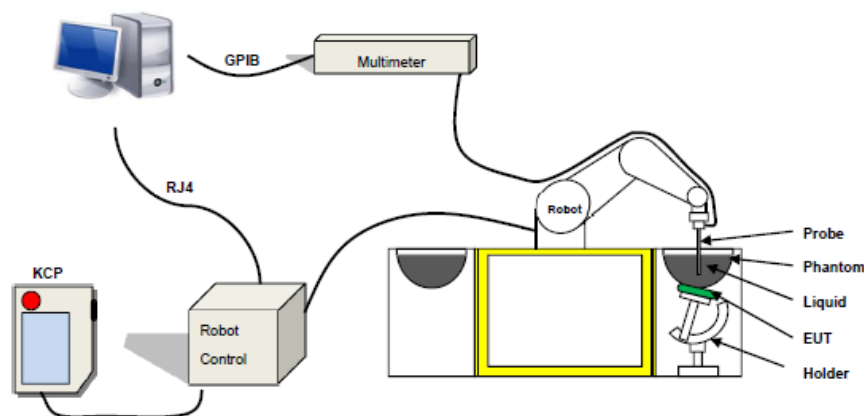
$$SAR = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue;

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

3.2 SAR System

MVG SAR System Diagram:



COMOSAR is a system that is able to determine the SAR distribution inside a phantom of human being according to different standards. The COMOSAR system consists of the following items:

- Main computer to control all the system
- 6 axis robot
- Data acquisition system
- Miniature E-field probe
- Phone holder
- Head simulating tissue

The following figure shows the system.



The EUT under test operating at the maximum power level is placed in the phone holder, under the phantom, which is filled with head simulating liquid. The E-Field probe measures the electric field inside the phantom. The OpenSAR software computes the results to give a SAR value in a 1g or 1g mass.

3.2.1 Probe

For the measurements the Specific Dosimetric E-Field Probe 0326-EPGO-431 with following specifications is used

- Probe Length: 330 mm
- Length of Individual Dipoles: 2mm
- Maximum external diameter: 8 mm
- Probe Tip External Diameter: 2.5 mm
- Distance between dipole/probe extremity: 1 mm
- Dynamic range: 0.01-100 W/kg
- Probe linearity: 3%
- Axial Isotropy: <0.10 dB
- Spherical Isotropy: <0.10 dB
- Calibration range: 0.15 GHz to 7.5 GHz for head simulating liquid.
- Angle between probe axis (evaluation axis) and surface normal line: less than 30°



Figure 1-MVG COMOSAR Dosimetric E field Probe

3.2.2 Phantom

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.

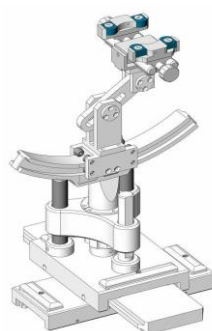


Figure-SN 06/22 SAM 148



Figure-SN 06/22 ELLI 51

3.2.3 Device Holder



The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5 mm distance, a positioning uncertainty of ± 0.5 mm would produce a SAR uncertainty of ± 20 %. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.



4. Tissue Simulating Liquids

4.1 Simulating Liquids Parameter Check

The simulating liquids should be checked at the beginning of a series of SAR measurements to determine if the dielectric parameters are within the tolerances of the specified target values

The uncertainty due to the liquid conductivity and permittivity arises from two different sources. The first source of error is the deviation of the liquid conductivity from its target value (max _ 5 %) and the second source of error arises from the measurement procedures used to assess conductivity. The uncertainty shall be assessed using a rectangular probability For 1 g averaging, the maximum weighting coefficient for SAR is 0,5.

IEEE SCC-34/SC-2 RECOMMENDED TISSUE DIELECTRIC PARAMETERS

The head and body tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 have been incorporated in the following table.

Frequency	ϵ_r	σ 10g S/m
300	45.3	0.87
450	43.5	0.87
750	41.9	0.89
835	41.5	0.90
900	41.5	0.97
1450	40.5	1.20
1800 to 2000	40.0	1.40
2100	39.8	1.49
2450	39.2	1.80
2600	39.0	1.96
3000	38.5	2.40
3500	37.9	2.91
4000	37.4	3.43
4500	36.8	3.94
5000	36.2	4.45
5200	36.0	4.66
5400	35.8	4.86
5600	35.5	5.07
5800	35.3	5.27



LIQUID MEASUREMENT RESULTS

Date	Ambient		Simulating Liquid		Parameters	Target	Measured	Deviation %	Limited %
	Temp. [°C]	Humidity %	Frequency (MHz)	Temp. [°C]					
2026-06-06	21.6	46	2412	21.3	Permittivity	39.27	40.03	1.94	±5
					Conductivity	1.77	1.75	-0.92	±5
2026-06-06	21.6	46	2437	21.3	Permittivity	39.22	39.46	0.60	±5
					Conductivity	1.79	1.81	1.21	±5
2026-06-06	21.6	46	2441	21.3	Permittivity	39.22	39.93	1.82	±5
					Conductivity	1.79	1.79	-0.11	±5
2026-06-06	21.6	46	2450	21.3	Permittivity	39.20	40.58	3.52	±5
					Conductivity	1.80	1.83	1.67	±5
2026-06-08	21.6	46	2422	21.3	Permittivity	39.25	39.29	0.10	±5
					Conductivity	1.78	1.76	-0.85	±5
2026-06-08	21.6	46	2462	21.2	Permittivity	39.18	40.17	2.52	±5
					Conductivity	1.81	1.80	-0.71	±5
2026-06-08	20.2	49	2450	19.8	Permittivity	39.20	39.35	0.38	±5
					Conductivity	1.80	1.83	1.67	±5
2026-06-07	22.3	45	5180	21.9	Permittivity	36.02	35.99	-0.08	±5
					Conductivity	4.64	4.63	-0.19	±5
2026-06-07	22.3	45	5200	22	Permittivity	36.00	36.41	1.14	±5
					Conductivity	4.66	4.68	0.43	±5
2026-06-07	22.3	45	5240	22	Permittivity	35.96	35.86	-0.28	±5
					Conductivity	4.70	4.76	1.28	±5
2026-06-07	22.3	45	5260	22	Permittivity	35.94	37.04	3.06	±5
					Conductivity	4.72	4.74	0.42	±5
2026-06-05	22.5	48	5300	22.3	Permittivity	35.90	36.60	1.95	±5
					Conductivity	4.76	4.75	-0.21	±5
2026-06-05	22.5	48	5320	22.2	Permittivity	35.88	37.11	3.43	±5
					Conductivity	4.78	4.84	1.26	±5
2026-06-05	22.5	48	5400	22.2	Permittivity	35.80	36.42	1.73	±5
					Conductivity	4.86	4.90	0.82	±5
2026-06-04	23.4	49	5500	23.1	Permittivity	35.68	36.93	3.52	±5
					Conductivity	4.96	5.00	0.76	±5
2026-06-04	23.4	49	5580	23.1	Permittivity	35.58	36.33	2.12	±5
					Conductivity	5.04	5.06	0.31	±5
2026-06-04	23.4	49	5600	23.1	Permittivity	35.55	36.25	1.97	±5
					Conductivity	5.07	5.08	0.30	±5
2026-06-04	23.4	49	5700	23.0	Permittivity	35.43	35.65	0.64	±5
					Conductivity	5.17	5.20	0.63	±5
2026-06-02	23.4	43	5745	23.1	Permittivity	35.37	36.15	2.21	±5
					Conductivity	5.21	5.28	1.27	±5
2026-06-02	23.4	43	5785	23.0	Permittivity	35.32	35.21	-0.31	±5
					Conductivity	5.25	5.29	0.67	±5
2026-06-02	23.4	43	5800	23.1	Permittivity	35.30	36.12	2.32	±5
					Conductivity	5.27	5.24	-0.57	±5



2026-06-02	23.4	43	5825	23.1	Permittivity	35.28	35.97	1.97	±5
					Conductivity	5.30	5.31	0.26	±5

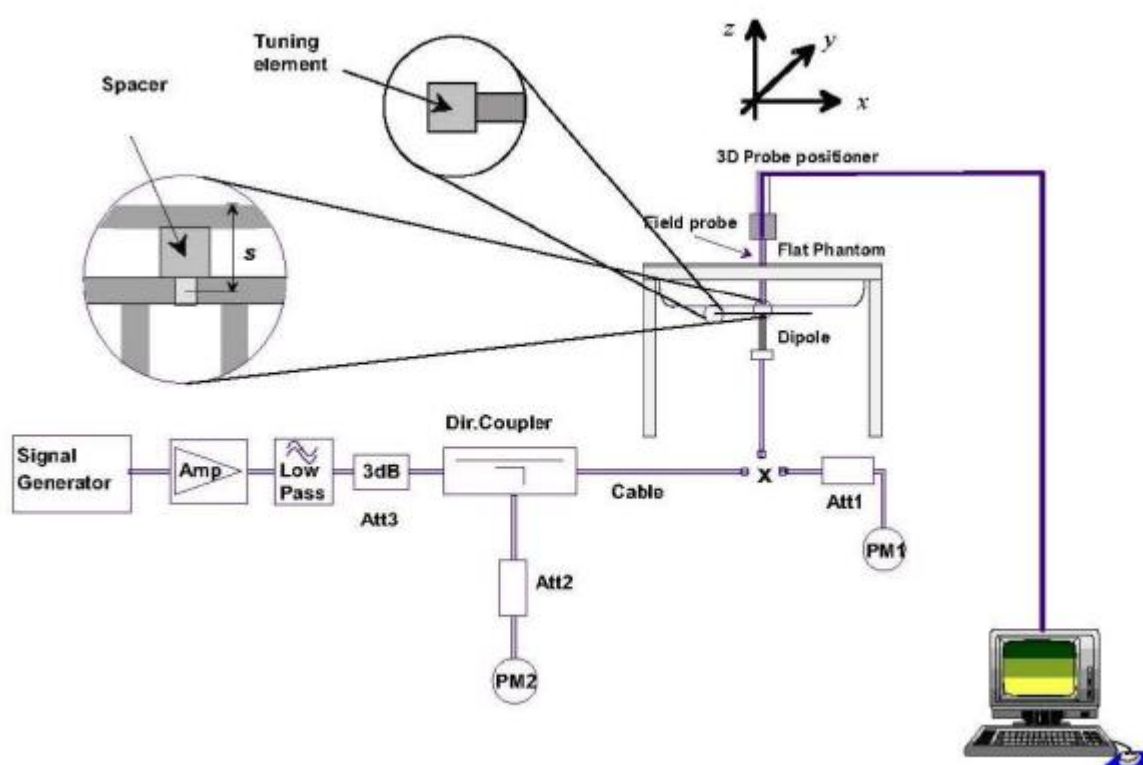


5. SAR System Validation

5.1 Validation System

Each MVG system is equipped with one or more system validation kits. These units, together with the predefined measurement procedures within the MVG software, enable the user to conduct the system performance check and system validation. System kit includes a dipole, and dipole device holder.

The system check verifies that the system operates within its specifications. It's performed daily or before every SAR measurement. The system check uses normal SAR measurement in the flat section of the phantom with a matched dipole at a specified distance. The system validation setup is shown as below.





5.2 Validation Result

Comparing to the original SAR value provided by MVG, the validation data should be within its specification of $\pm 10\%$.

Date	Freq.	Power	Power drift	Tested Value	Normalized SAR	Target SAR	Tolerance
	(MHz)	(mW)	(%)	(W/Kg)	(W/kg)	1g(W/kg)	(%)
2026-06-06	2450	100	5.294	52.94	52.98	-0.08	10
2026-06-08	2450	100	5.284	52.84	52.98	-0.26	10
2026-06-07	5200	100	7.763	77.63	77.84	-0.27	10
2026-06-05	5400	100	7.684	76.84	76.82	0.03	10
2026-06-04	5600	100	8.198	81.98	82.15	-0.21	10
2026-06-02	5800	100	8.052	80.52	80.51	0.01	10

Note:

1. The tolerance limit of System validation $\pm 10\%$.
2. The dipole input power (forward power) was 100 mW.
3. The results are normalized to 1 W input power.



6. SAR Evaluation Procedures

The procedure for assessing the average SAR value consists of the following steps:

The following steps are used for each test position

- 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
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
- 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.

➤ Area Scan& Zoom Scan

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 D01 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. EUT Antenna Location Sketch

It is a INAIR Pod, support WLAN/BT mode.



(Back view)

Note 1: The antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report.

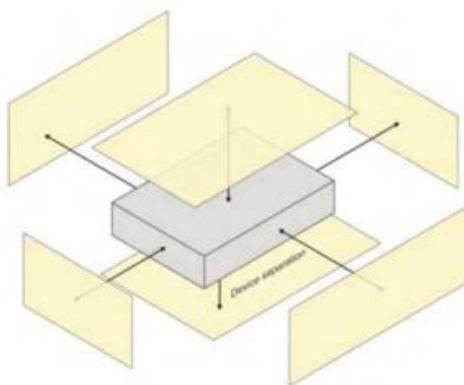


8. EUT Test Position

This EUT was tested in Front Face and Rear Face.

8.1 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 Publication 447498 D01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. When the same wireless transmission configuration is used for testing body-worn accessory and hotspot mode SAR, respectively, in voice and data mode, SAR results for the most conservative test separation distance configuration may be used to support both SAR conditions. When the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is $> 1.2 \text{ W/kg}$, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for the body-worn accessory with a headset attached to the handset.





9. Uncertainty

9.1 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in IEEE 1528: 2013. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Uncertainty Component	Tol (+/- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+/-%)	10g Ui (+/-%)	vi
Measurement System								
Probe calibration	14	N	2	1	1	7.00	7.00	∞
Axial Isotropy	3.5	R	$\sqrt{3}$	$\sqrt{0.5}$	$\sqrt{0.5}$	1.43	1.43	∞
Hemispherical Isotropy	5.9	R	$\sqrt{3}$	$\sqrt{0.5}$	$\sqrt{0.5}$	2.41	2.41	∞
Boundary effect	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	4.7	R	$\sqrt{3}$	1	1	2.71	2.71	∞
System detection limits	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Readout Electronics	0.5	N	1	1	1	0.50	0.50	∞
Response Time	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Integration Time	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
RF ambient conditions-Noise	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF ambient conditions-reflections	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioner mechanical tolerance	3.28	R	$\sqrt{3}$	1	1	1.89	1.89	∞
Probe positioning with respect to phantom shell	3.28	R	$\sqrt{3}$	1	1	1.89	1.89	∞
Extrapolation, Interpolation and Integration Algorithms for Max, SAR	2.3	R	$\sqrt{3}$	1	1	1.33	1.33	∞
Test sample Related								
Test sample positioning	2.6	N	1	1	1	2.60	2.60	11
Device holder uncertainty	3	N	1	1	1	3.00	3.00	7
Output Power Variation - SAR Drift Measurement	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
SAR scaling	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Phantom and tissue parameters								
Phantom uncertainty (shape and thickness uncertainty)	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	2.9	N	1	1	0.84	2.90	2.44	∞
Liquid Conductivity - Measurement Uncertainty)	4	R	1	0.78	0.71	3.12	2.84	5
Liquid Permittivity - Measurement Uncertainty	4.07	N	1	0.23	0.26	0.94	1.06	5
Liquid Conductivity (Temperature Uncertainty)	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.02	∞
Liquid Permittivity (Temperature Uncertainty)	5.06	N	$\sqrt{3}$	0.23	0.26	0.67	0.76	∞
Combined Standard Uncertainty		RSS				11.80	11.63	
Expanded Uncertainty (95% Confidence interval)		K				23.6	23.26	



9.2 System validation Uncertainty

Uncertainty Component	Tol (+ - %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System								
Probe calibration	14	N	2	1	1	7.00	7.00	∞
Axial Isotropy	3.5	R	$\sqrt{3}$	1	1	2.02	2.02	∞
Hemispherical Isotropy	5.9	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Boundary effect	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	4.7	R	$\sqrt{3}$	1	1	2.71	2.71	∞
System detection limits	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Readout Electronics	0.5	N	1	1	1	0.50	0.50	∞
Response Time	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Integration Time	1.4	R	$\sqrt{3}$	0	0	0.00	0.00	∞
RF ambient conditions-Noise	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF ambient conditions-reflections	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioner mechanical tolerance	3.28	R	$\sqrt{3}$	1	1	1.89	1.89	∞
Probe positioning with respect to phantom shell	3.28	R	$\sqrt{3}$	1	1	1.89	1.89	∞
Extrapolation, Interpolation and Integration Algorithms for Max, SAR	2.3	R	$\sqrt{3}$	1	1	1.33	1.33	∞
Dipole								
Deviation of Experimental Source from Numerical Source	5	N	1	1	1	5.00	5.00	∞
Input Power and SAR Drift Measurement	0.5	R	$\sqrt{3}$	1	1	0.29	0.29	∞
Dipole Axis to Liquid Distance	2	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Phantom and Tissue Parameters								
Phantom uncertainty (shape and thickness uncertainty)	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	2.9	N	1	1	0.84	2.90	2.44	∞
Liquid Conductivity - Measurement Uncertainty)	4	R	1	0.78	0.71	3.12	2.84	5
Liquid Permittivity - Measurement Uncertainty	4.07	N	1	0.23	0.26	0.94	1.06	5
Liquid Conductivity (Temperature Uncertainty)	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.44	∞
Liquid Permittivity (Temperature Uncertainty)	5.06	N	$\sqrt{3}$	0.23	0.26	0.67	2.92	∞
Combined Standard Uncertainty		RSS				11.35	11.57	
Expanded Uncertainty (95% Confidence interval)		K				22.70	23.13	



10. Conducted Power Measurement

10.1 Test Result

2.4G WLAN

2.4GWIFI					
Mode	Channel Number	Frequency (MHz)	ANT 1 Power (dBm)	ANT 2 Power (dBm)	MIMO Power (dBm)
802.11b	1	2412	13.93	14.05	N/A
	7	2437	13.88	14.17	N/A
	11	2462	13.94	14.4	N/A
802.11g	1	2412	8.54	9.25	N/A
	7	2437	8.5	9.33	N/A
	11	2462	8.33	9.54	N/A
802.11n-HT20	1	2412	7.98	8.06	11.03
	7	2437	7.83	8.09	10.97
	11	2462	7.92	8.26	11.1
802.11n-HT40	3	2422	8.67	9.41	12.07
	6	2437	8.67	9.4	12.06
	9	2452	8.43	9.46	11.99
802.11ac-VHT20	1	2412	8.06	8.05	11.07
	7	2437	7.99	8.18	11.1
	11	2462	7.87	8.4	11.15
802.11ac-VHT40	3	2422	7.98	8.09	11.05
	6	2437	7.9	8.1	11.01
	9	2452	7.69	8.21	10.97



Bluetooth

BT				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	4.72	2.96
	39	2441	4.84	3.05
	78	2480	4.2	2.63
$\pi/4$ -QPSK(2Mbps)	0	2402	4.61	2.89
	39	2441	4.6	2.88
	78	2480	3.89	2.45
8DPSK(3Mbps)	0	2402	4.29	2.69
	39	2441	4.63	2.90
	78	2480	3.88	2.44

BLE

BLE				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	0.33	1.08
	19	2440	0.65	1.16
	39	2480	-0.35	0.92
GFSK(2Mbps)	0	2402	0.3	1.07
	19	2440	0.65	1.16
	39	2480	-0.29	0.94



WLAN (5.2Gband)

5.2G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1 Power (dBm)	ANT 2 Power (dBm)	MIMO Power (dBm)
802.11a20	36	5180	14.01	14.13	N/A
	40	5200	14.24	14.09	N/A
	48	5240	14.36	14.1	N/A
802.11n-HT20	36	5180	7.57	7.43	10.51
	40	5200	7.98	7.28	10.65
	48	5240	8.19	7.26	10.76
802.11n-HT40	38	5190	6.99	6.32	9.68
	46	5230	7.32	6.34	9.87
802.11ac-VHT20	36	5180	7.72	7.44	10.59
	40	5200	7.99	7.32	10.68
	48	5240	8.16	7.28	10.75
802.11ac-VHT40	38	5190	7.01	6.41	9.73
	46	5230	7.41	6.33	9.91
802.11ac-VHT80	42	5210	7.87	7.39	10.65
802.11ax-HE20	36	5180	8.74	8.38	11.57
	40	5200	9.01	8.24	11.65
	48	5240	9.08	8.25	11.7
802.11ax-HE40	38	5190	6.89	6.3	9.62
	46	5230	7.24	6.21	9.77
802.11ax-HE80	42	5210	7.89	7.44	10.68



WLAN (5.3G band)

5.3G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1 Power (dBm)	ANT 2 Power (dBm)	MIMO Power (dBm)
802.11a20	52	5260	13.66	13.34	N/A
	60	5300	13.65	13.42	N/A
	64	5320	13.7	13.44	N/A
802.11n-HT20	52	5260	8.22	7.52	10.89
	60	5300	8.18	7.63	10.92
	64	5320	8.17	7.51	10.86
802.11n-HT40	54	5270	7.3	6.56	9.96
	62	5310	7.27	6.47	9.9
802.11ac-VHT20	52	5260	8.21	7.5	10.88
	60	5300	8.25	7.62	10.96
	64	5320	8.26	7.53	10.92
802.11ac-VHT40	54	5270	7.43	6.61	10.05
	62	5310	7.33	6.61	10
802.11ac-VHT80	58	5290	8.12	7.6	10.88
802.11ac-VHT160	50	5250	8.21	7.51	10.88
802.11ax-HE20	52	5260	9.08	8.46	11.79
	60	5300	9.13	8.56	11.86
	64	5320	9.17	8.52	11.87
802.11ax-HE40	54	5270	7.3	6.45	9.91
	62	5310	7.17	6.27	9.75
802.11ax-HE80	54	5290	8.18	7.58	10.9
802.11ax-HE160	50	5250	8.11	7.5	10.83



WLAN (5.6G band)

5.6G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1 Power (dBm)	ANT 2 Power (dBm)	MIMO Power (dBm)
802.11a20	100	5500	10.56	12.75	N/A
	116	5580	11.04	12.61	N/A
	140	5700	11.09	12.99	N/A
802.11n-HT20	100	5500	4.39	4.87	7.65
	116	5580	5.05	4.88	7.98
	140	5700	5.13	5.4	8.28
802.11n-HT40	102	5510	3.67	3.92	6.81
	110	5550	4.32	3.96	7.15
	134	5670	4.3	4.35	7.34
802.11ac-VHT20	100	5500	4.66	4.88	7.78
	116	5580	5.1	4.88	8
	140	5700	5.12	5.34	8.24
802.11ac-VHT40	102	5510	3.85	4.03	6.95
	110	5550	4.34	4.02	7.19
	134	5670	4.37	4.41	7.4
802.11ac-VHT80	106	5530	4.77	4.94	7.87
	122	5610	4.9	4.96	7.94
802.11ac-VHT160	114	5570	4.39	4.24	7.33
802.11ax-HE20	100	5500	5.46	5.69	8.59
	116	5580	6.02	5.86	8.95
	140	5700	6.08	6.54	9.33
802.11ax-HE40	102	5510	3.52	3.88	6.71
	110	5550	4.04	3.94	7
	134	5670	4.2	4.28	7.25
802.11ax-HE80	106	5530	4.81	4.92	7.88
	122	5610	4.99	4.95	7.98
802.11ax-HE160	114	5570	4.36	4.22	7.3



WLAN (5.8G band)

5.8G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1 Power (dBm)	ANT 2 Power (dBm)	MIMO Power (dBm)
802.11a20	149	5745	8.03	9.64	N/A
	157	5785	7.8	9.77	N/A
	165	5825	7.76	9.56	N/A
802.11n-HT20	149	5745	2.17	2.93	5.58
	157	5785	2.08	3.05	5.6
	165	5825	2.01	2.82	5.44
802.11n-HT40	151	5755	2.04	3.13	5.63
	159	5795	1.96	3.11	5.58
802.11ac-VHT20	149	5745	2.06	2.91	5.52
	157	5785	2.07	2.99	5.56
	165	5825	1.93	2.87	5.44
802.11ac-VHT40	151	5755	2.04	3.19	5.66
	159	5795	1.92	3.03	5.52
802.11ac-VHT80	155	5775	1.89	2.97	5.47
802.11ax-HE20	149	5745	3.04	3.71	6.4
	157	5785	2.93	3.84	6.42
	165	5825	2.89	3.7	6.32
802.11ax-HE40	151	5755	1.86	3.05	5.51
	159	5795	1.71	2.98	5.4
802.11ax-HE80	155	5775	1.9	3.02	5.51



10.2 Tune up

Mode	BT
GFSK	4.1±1dBm
$\pi/4$ -DQPSK	3.9±1dBm
8DPSK	3.9±1dBm

Mode	BLE
GFSK(1Mbps)	-0.4±1dBm
GFSK(2Mbps)	-0.4±1dBm

Mode	2.4G WLAN		
	ANT 1	ANT 2	MIMO
802.11b	13.2±1dBm	13.7±1dBm	N/A
802.11g	7.8±1dBm	8.8±1dBm	N/A
802.11n(HT20)	7.3±1dBm	7.6±1dBm	10.4±1dBm
802.11n(HT40)	8.0±1dBm	8.8±1dBm	11.4±1dBm
802.11ax-HE20	7.4±1dBm	7.7±1dBm	10.5±1dBm
802.11ac-VHT40	7.3±1dBm	7.5±1dBm	10.4±1dBm

Mode	5.2G WLAN		
	ANT 1	ANT 2	MIMO
802.11a	13.7±1dBm	13.4±1dBm	N/A
802.11n-HT20	7.5±1dBm	6.7±1dBm	10.1±1dBm
802.11n-HT40	6.6±1dBm	5.6±1dBm	9.2±1dBm
802.11ac-VHT20	7.5±1dBm	6.7±1dBm	10.1±1dBm
802.11ac-VHT40	6.7±1dBm	5.7±1dBm	9.2±1dBm
802.11ac-VHT80	7.2±1dBm	6.7±1dBm	10.0±1dBm
802.11ax-HE20	7.4±1dBm	7.7±1dBm	11.0±1dBm
802.11ax-HE40	6.5±1dBm	5.6±1dBm	9.1±1dBm
802.11ax-HE80	7.2±1dBm	6.7±1dBm	10.0±1dBm

Mode	5.3G WLAN		
	ANT 1	ANT 2	MIMO
802.11a	13.0±1dBm	12.7±1dBm	N/A
802.11n-HT20	7.5±1dBm	6.9±1dBm	10.2±1dBm
802.11n-HT40	6.6±1dBm	5.9±1dBm	9.3±1dBm
802.11ac-VHT20	7.6±1dBm	6.9±1dBm	10.3±1dBm
802.11ac-VHT40	6.7±1dBm	5.9±1dBm	9.4±1dBm
802.11ac-VHT80	7.4±1dBm	6.9±1dBm	10.2±1dBm
802.11ac-VHT160	7.5±1dBm	6.8±1dBm	10.2±1dBm
802.11ax-HE20	8.5±1dBm	7.9±1dBm	11.2±1dBm
802.11ax-HE40	6.6±1dBm	5.8±1dBm	9.2±1dBm
802.11ax-HE80	7.5±1dBm	6.9±1dBm	10.2±1dBm
802.11ax-HE160	7.4±1dBm	6.8±1dBm	10.1±1dBm



Mode	5.6G WLAN		
	ANT 1	ANT 2	MIMO
802.11a	10.4±1dBm	12.3±1dBm	N/A
802.11n-HT20	4.4±1dBm	4.7±1dBm	7.6±1dBm
802.11n-HT40	3.6±1dBm	3.7±1dBm	6.6±1dBm
802.11ac-VHT20	4.4±1dBm	4.6±1dBm	7.5±1dBm
802.11ac-VHT40	3.7±1dBm	3.7±1dBm	6.7±1dBm
802.11ac-VHT80	4.2±1dBm	4.3±1dBm	7.2±1dBm
802.11ac-VHT160	3.7±1dBm	3.5±1dBm	6.6±1dBm
802.11ax-HE20	5.4±1dBm	5.8±1dBm	8.6±1dBm
802.11ax-HE40	3.3±1dBm	3.6±1dBm	6.6±1dBm
802.11ax-HE80	4.3±1dBm	4.3±1dBm	7.3±1dBm
802.11ax-HE160	3.7±1dBm	3.5±1dBm	6.6±1dBm

Mode	5.8G WLAN		
	ANT 1	ANT 2	MIMO
802.11a	7.3±1dBm	9.1±1dBm	N/A
802.11n-HT20	1.5±1dBm	2.4±1dBm	4.9±1dBm
802.11n-HT40	1.3±1dBm	2.4±1dBm	4.9±1dBm
802.11ac-VHT20	1.4±1dBm	2.3±1dBm	4.9±1dBm
802.11ac-VHT40	1.3±1dBm	2.5±1dBm	5.0±1dBm
802.11ac-VHT80	1.2±1dBm	2.3±1dBm	4.8±1dBm
802.11ax-HE20	2.3±1dBm	3.1±1dBm	5.7±1dBm
802.11ax-HE40	1.2±1dBm	2.4±1dBm	4.8±1dBm
802.11ax-HE80	1.2±1dBm	2.3±1dBm	4.8±1dBm

11. EUT and Test Setup Photo

11.1 EUT Photos

Front side



Back side





Right Edge



Left Edge



Top Edge

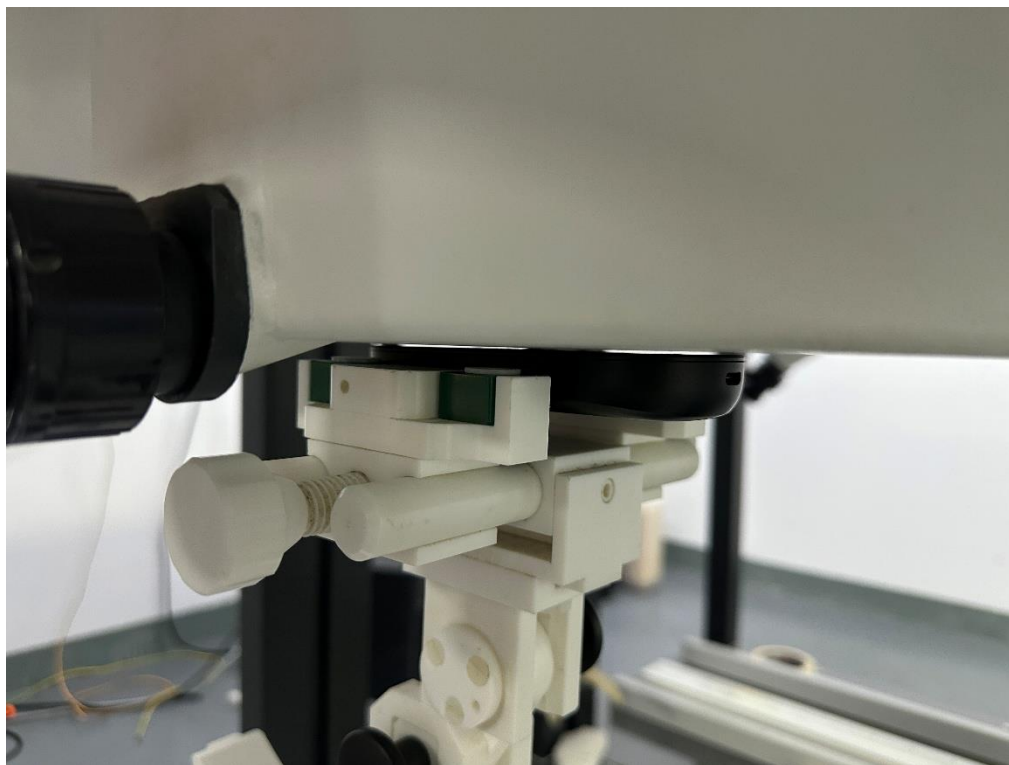


Bottom Edge

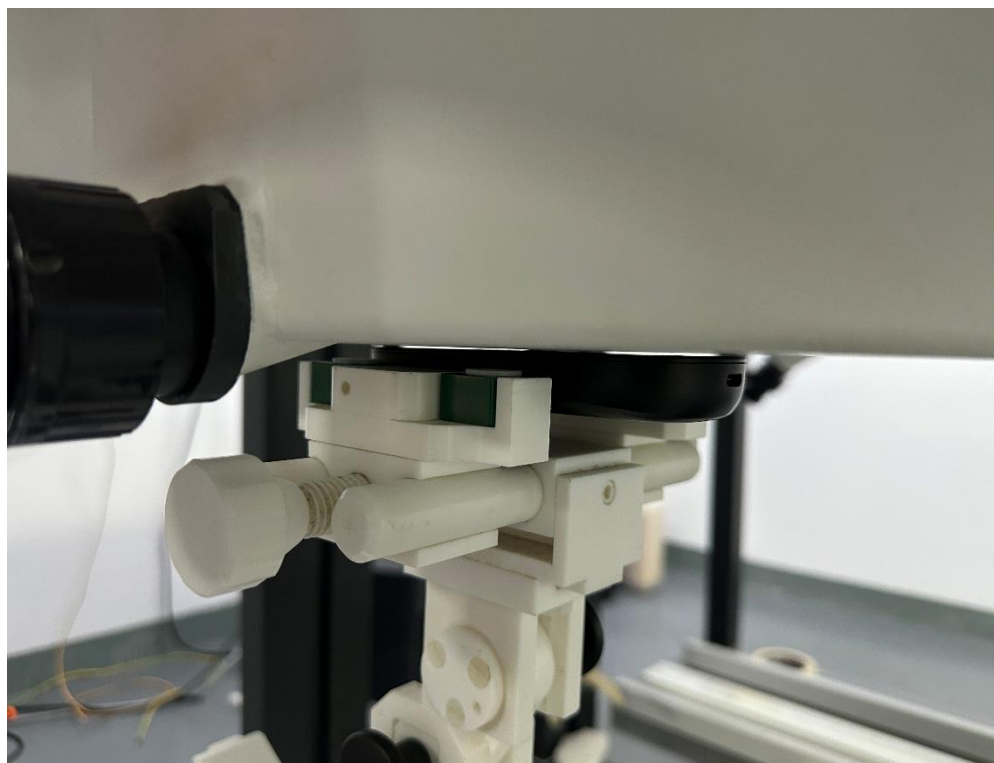


11.2 Setup Photos

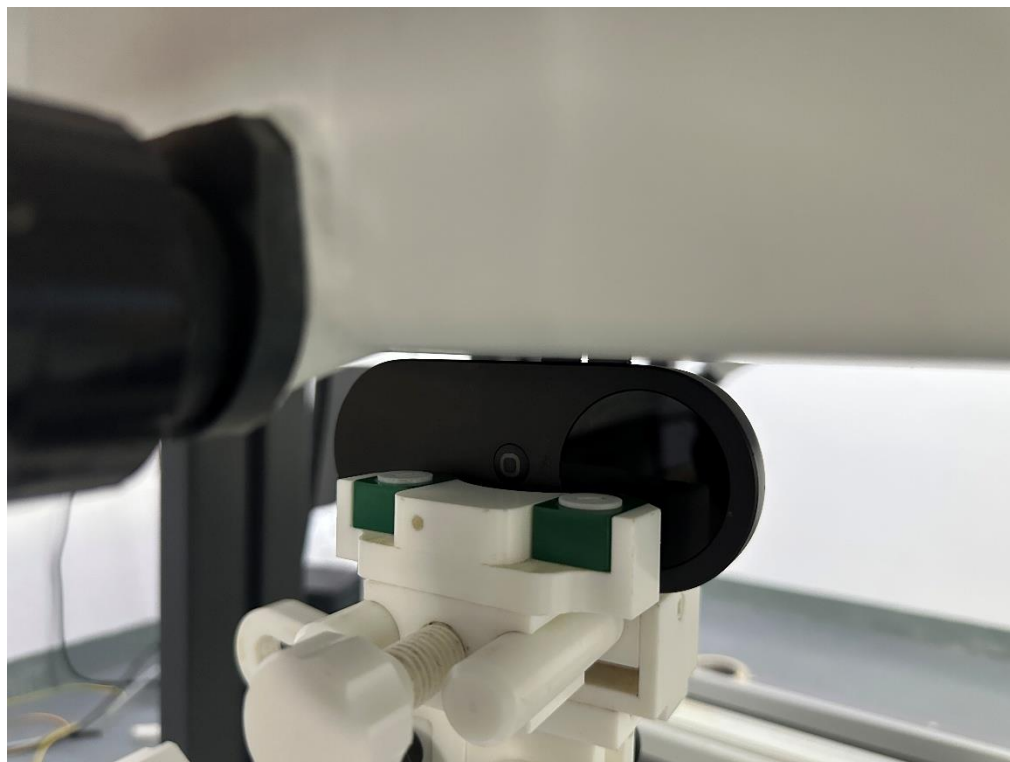
Body Front side (separation distance is 0mm)



Body Back side (separation distance 0mm)



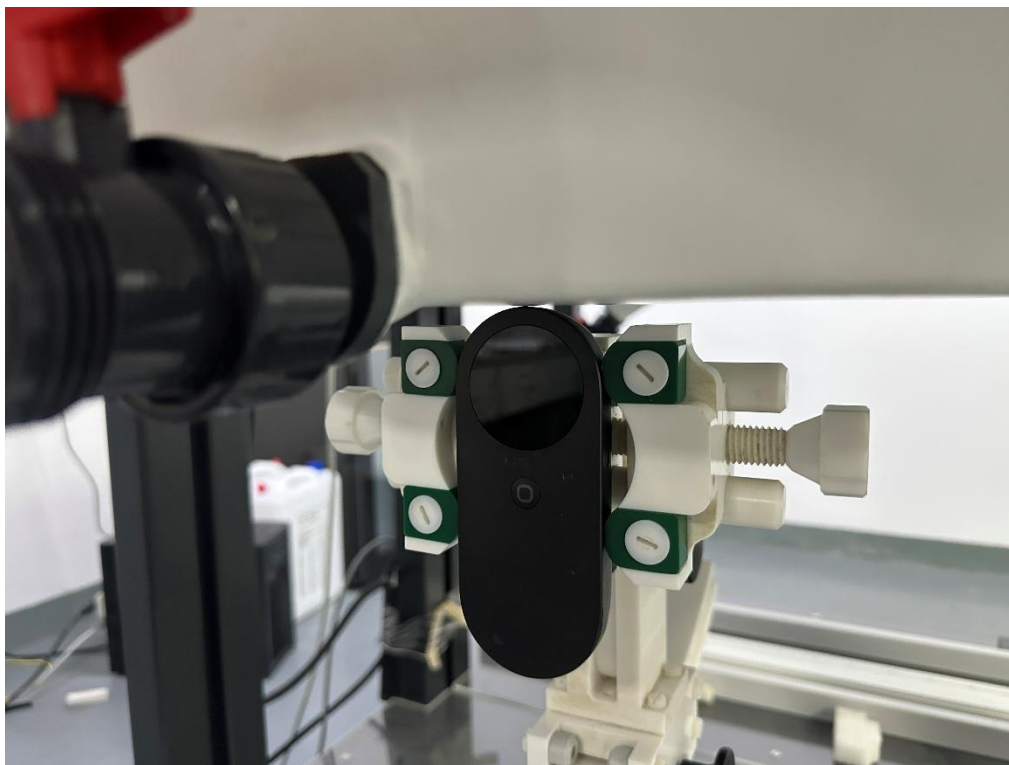
Body Left side (separation distance is 0mm)



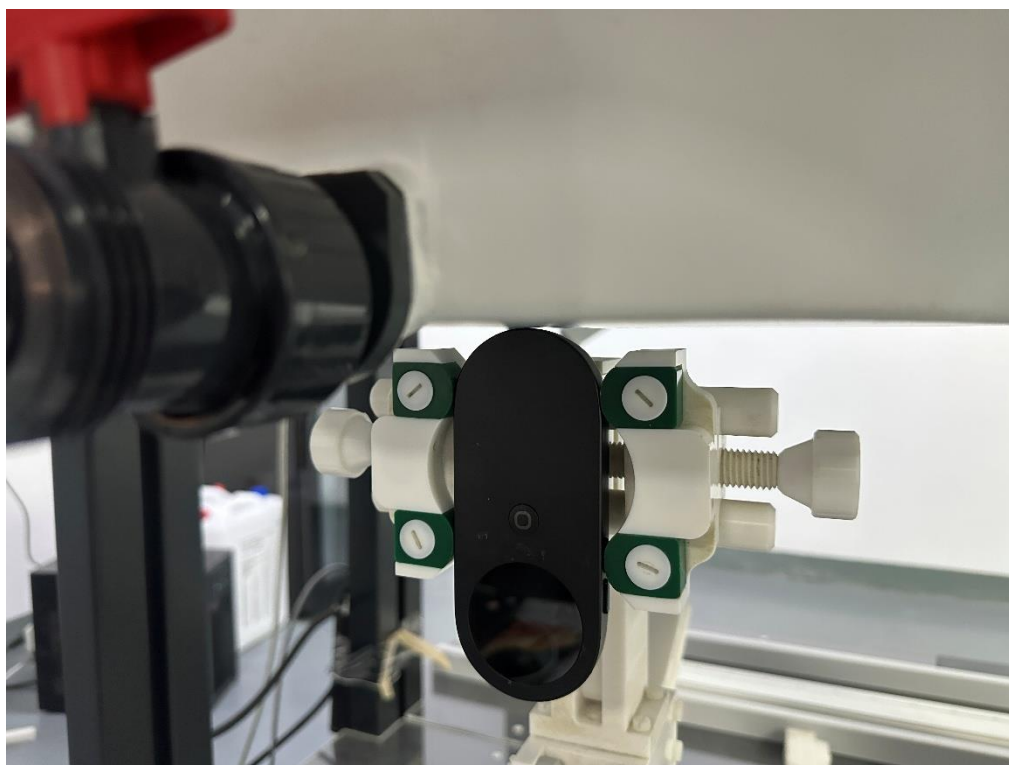
Body Right side (separation distance is 0mm)



Body Top side (separation distance is 0mm)

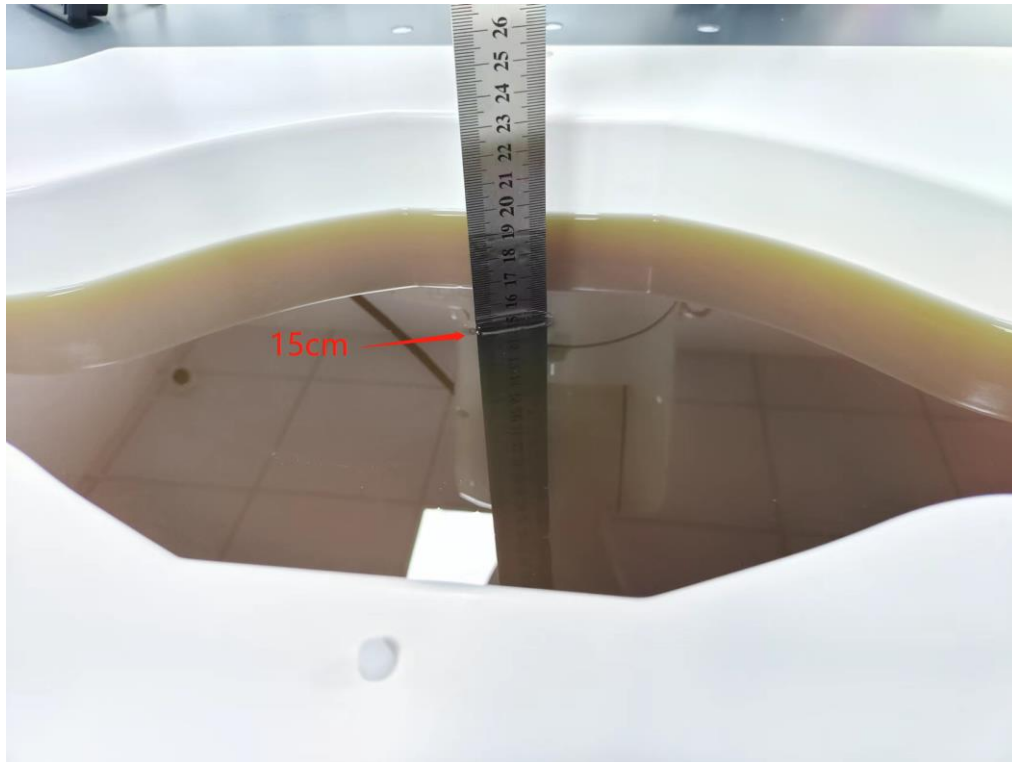


Body Bottom side (separation distance is 0mm)





Liquid depth (15 cm)





12. SAR Result Summary

12.1 Body-worn SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
2.4GHz WLAN ANT 1	802.11b	Front Side	2412	0.810	3.16	14.20	13.93	1.076	0.872	/
		Front Side	2437	0.768	-0.64	14.20	13.88	1.076	0.826	/
		Front Side	2462	0.849	3.73	14.20	13.94	1.076	0.914	/
		Back Side	2412	0.723	2.59	14.20	13.93	1.076	0.778	/
		Back Side	2437	0.709	3.05	14.20	13.88	1.076	0.763	/
		Back Side	2462	0.787	-0.43	14.20	13.94	1.076	0.847	/
		Left Side	2412	0.993	0.59	14.20	13.93	1.076	1.068	/
		Left Side	2437	0.953	1.23	14.20	13.88	1.076	1.025	/
		Left Side	2462	1.104	2.35	14.20	13.94	1.076	1.188	1
		Right Side	2462	0.225	1.91	14.20	13.94	1.076	0.242	/
		Top Side	2462	0.519	-3.37	14.20	13.94	1.076	0.558	/
		Bottom Side	2462	0.205	-2.60	14.20	13.94	1.076	0.221	/
2.4GHz WLAN ANT 2	802.11b	Front Side	2412	0.772	-1.50	14.70	14.05	1.076	0.831	/
		Front Side	2437	0.81	-0.91	14.70	14.17	1.076	0.872	/
		Front Side	2462	0.876	0.05	14.70	14.40	1.076	0.943	/
		Back Side	2412	0.776	2.13	14.70	14.05	1.076	0.835	/
		Back Side	2437	0.812	-3.76	14.70	14.17	1.076	0.874	/
		Back Side	2462	0.881	1.48	14.70	14.40	1.076	0.948	/
		Left Side	2462	0.175	2.52	14.70	14.40	1.076	0.188	/
		Right Side	2412	0.892	-2.42	14.70	14.05	1.076	0.960	/
		Right Side	2437	0.912	-3.92	14.70	14.17	1.076	0.981	/
		Right Side	2462	1.106	-1.65	14.70	14.40	1.076	1.190	2
		Top Side	2462	0.706	-3.51	14.70	14.40	1.076	0.760	/
		Bottom Side	2462	0.144	0.85	14.70	14.40	1.076	0.155	/
2.4GHz WLAN MIMO 1	802.11n-HT40	Front Side	2422	0.278	0.94	12.40	12.07	1.067	0.297	/
		Back Side	2422	0.242	-0.36	12.40	12.07	1.067	0.258	/
		Left Side	2422	0.320	3.15	12.40	12.07	1.067	0.341	/
		Right Side	2422	0.358	1.53	12.40	12.07	1.067	0.382	3
		Top Side	2422	0.174	0.61	12.40	12.07	1.067	0.186	/
		Bottom Side	2422	0.069	1.66	12.40	12.07	1.067	0.074	/
2.4GHz WLAN MIMO 2	802.11n-HT40	Front Side	2422	0.285	-2.26	12.40	12.07	1.067	0.304	/
		Back Side	2422	0.250	-1.03	12.40	12.07	1.067	0.267	/
		Left Side	2422	0.329	-1.08	12.40	12.07	1.067	0.351	/
		Right Side	2422	0.368	-2.94	12.40	12.07	1.067	0.393	4
		Top Side	2422	0.178	-3.62	12.40	12.07	1.067	0.190	/
		Bottom Side	2422	0.073	2.80	12.40	12.07	1.067	0.078	/
5.2GHz WLAN ANT 1	802.11a	Front Side	5180	0.771	-3.72	14.70	14.01	1.076	0.830	/
		Front Side	5200	0.809	-1.60	14.70	14.24	1.076	0.870	/
		Front Side	5240	0.877	-1.68	14.70	14.36	1.076	0.944	/
		Back Side	5240	0.509	-0.78	14.70	14.36	1.076	0.548	/
		Left Side	5180	1.007	-3.34	14.70	14.01	1.076	1.084	/
		Left Side	5200	1.056	1.20	14.70	14.24	1.076	1.136	/
		Left Side	5240	1.142	0.27	14.70	14.36	1.076	1.229	5
		Right Side	5240	0.285	3.37	14.70	14.36	1.076	0.307	/
		Top Side	5240	0.727	-1.02	14.70	14.36	1.076	0.782	/
5.2GHz WLAN ANT 2	802.11a	Bottom Side	5240	0.143	-2.40	14.70	14.36	1.076	0.154	/
		Front Side	5180	0.724	-3.06	14.40	14.13	1.081	0.783	/
		Back Side	5180	0.642	-3.74	14.40	14.13	1.081	0.694	/
		Left Side	5180	0.837	3.04	14.40	14.13	1.081	0.905	/



		Left Side	5200	0.769	1.89	14.40	14.09	1.081	0.831	/
		Left Side	5240	0.8	0.03	14.40	14.10	1.081	0.865	/
		Right Side	5180	0.944	2.19	14.40	14.13	1.081	1.020	6
		Right Side	5200	0.868	2.81	14.40	14.09	1.081	0.938	/
		Right Side	5240	0.901	2.40	14.40	14.10	1.081	0.974	/
		Top Side	5180	0.461	-0.47	14.40	14.13	1.081	0.498	/
		Bottom Side	5180	0.179	1.63	14.40	14.13	1.081	0.193	/
5.2GHz WLAN MIMO 1	802.11ax- HE20	Front Side	5240	0.342	3.07	12.00	11.70	1.074	0.367	/
		Back Side	5240	0.302	-1.91	12.00	11.70	1.074	0.324	/
		Left Side	5240	0.395	1.65	12.00	11.70	1.074	0.424	/
		Right Side	5240	0.444	-1.11	12.00	11.70	1.074	0.477	7
		Top Side	5240	0.219	0.26	12.00	11.70	1.074	0.235	/
		Bottom Side	5240	0.083	2.38	12.00	11.70	1.074	0.089	/
5.2GHz WLAN MIMO 2	802.11ax- HE20	Front Side	5240	0.460	1.86	12.00	11.70	1.074	0.494	/
		Back Side	5240	0.404	2.61	12.00	11.70	1.074	0.434	/
		Left Side	5240	0.528	1.50	12.00	11.70	1.074	0.567	/
		Right Side	5240	0.596	-2.52	12.00	11.70	1.074	0.640	8
		Top Side	5240	0.291	3.96	12.00	11.70	1.074	0.313	/
		Bottom Side	5240	0.113	-1.33	12.00	11.70	1.074	0.121	/
5.3GHz WLAN ANT 1	802.11a	Front Side	5260	0.808	-2.28	14.00	13.66	1.079	0.872	/
		Front Side	5300	0.791	0.59	14.00	13.65	1.079	0.853	/
		Front Side	5320	0.855	-2.92	14.00	13.70	1.079	0.923	/
		Back Side	5320	0.509	1.37	14.00	13.70	1.079	0.549	/
		Left Side	5260	1.047	-3.01	14.00	13.66	1.079	1.130	/
		Left Side	5300	1.025	1.66	14.00	13.65	1.079	1.106	/
		Left Side	5320	1.111	1.07	14.00	13.70	1.079	1.199	9
		Right Side	5320	0.279	-1.23	14.00	13.70	1.079	0.301	/
		Top Side	5320	0.712	-0.80	14.00	13.70	1.079	0.768	/
		Bottom Side	5320	0.137	-1.87	14.00	13.70	1.079	0.148	/
5.3GHz WLAN ANT 2	802.11a	Front Side	5260	0.784	0.38	13.70	13.34	1.081	0.848	/
		Front Side	5300	0.807	-3.82	13.70	13.42	1.081	0.872	/
		Front Side	5320	0.845	-2.68	13.70	13.44	1.081	0.913	/
		Back Side	5260	0.69	-1.08	13.70	13.34	1.081	0.746	/
		Back Side	5300	0.71	0.14	13.70	13.42	1.081	0.768	/
		Back Side	5320	0.744	2.95	13.70	13.44	1.081	0.804	/
		Left Side	5260	0.899	-1.14	13.70	13.34	1.081	0.972	/
		Left Side	5300	0.93	3.13	13.70	13.42	1.081	1.005	/
		Left Side	5320	0.972	3.61	13.70	13.44	1.081	1.051	/
		Right Side	5260	1.013	-1.62	13.70	13.34	1.081	1.095	/
		Right Side	5300	1.046	-3.79	13.70	13.42	1.081	1.131	/
		Right Side	5320	1.098	3.55	13.70	13.44	1.081	1.187	10
		Top Side	5320	0.532	-1.80	13.70	13.44	1.081	0.575	/
		Bottom Side	5320	0.204	2.69	13.70	13.44	1.081	0.221	/
5.3GHz WLAN MIMO 1	802.11ax- HE20	Front Side	5320	0.445	0.13	12.20	11.87	1.084	0.482	/
		Back Side	5320	0.392	-1.84	12.20	11.87	1.084	0.425	/
		Left Side	5320	0.514	0.91	12.20	11.87	1.084	0.557	/
		Right Side	5320	0.578	3.98	12.20	11.87	1.084	0.627	11
		Top Side	5320	0.282	1.94	12.20	11.87	1.084	0.306	/
		Bottom Side	5320	0.108	0.50	12.20	11.87	1.084	0.117	/
5.3GHz WLAN MIMO 2	802.11ax- HE20	Front Side	5320	0.405	-0.61	12.20	11.87	1.084	0.439	/
		Back Side	5320	0.358	-0.33	12.20	11.87	1.084	0.388	/
		Left Side	5320	0.468	2.94	12.20	11.87	1.084	0.507	/
		Right Side	5320	0.525	-1.15	12.20	11.87	1.084	0.569	12
		Top Side	5320	0.256	-1.62	12.20	11.87	1.084	0.278	/
		Bottom Side	5320	0.101	3.62	12.20	11.87	1.084	0.109	/
5.6GHz WLAN	802.11a	Front Side	5500	0.788	3.55	11.04	10.56	1.074	0.846	/
		Front Side	5580	0.813	0.71	11.04	11.04	1.074	0.873	/



ANT 1		Front Side	5700	0.850	-2.67	11.04	11.09	1.074	0.913	/
		Back Side	5700	0.507	1.41	11.04	11.09	1.074	0.545	/
		Left Side	5500	1.021	2.47	11.04	10.56	1.074	1.097	/
		Left Side	5580	1.053	1.76	11.04	11.04	1.074	1.131	/
		Left Side	5700	1.105	1.33	11.04	11.09	1.074	1.187	13
		Right Side	5700	0.277	-2.03	11.04	11.09	1.074	0.297	/
		Top Side	5700	0.708	-3.46	11.04	11.09	1.074	0.760	/
		Bottom Side	5700	0.135	-1.07	11.04	11.09	1.074	0.145	/
5.6GHz WLAN ANT 2	802.11a	Front Side	5500	0.779	-3.16	13.03	12.75	1.079	0.841	/
		Front Side	5580	0.759	-1.75	13.03	12.61	1.079	0.819	/
		Front Side	5700	0.862	1.09	13.03	12.99	1.079	0.930	/
		Back Side	5500	0.685	-1.19	13.03	12.75	1.079	0.739	/
		Back Side	5580	0.667	-1.44	13.03	12.61	1.079	0.720	/
		Back Side	5700	0.759	-0.01	13.03	12.99	1.079	0.819	/
		Left Side	5500	0.903	0.44	13.03	12.75	1.079	0.974	/
		Left Side	5580	0.877	-1.31	13.03	12.61	1.079	0.946	/
		Left Side	5700	0.998	-3.22	13.03	12.99	1.079	1.077	/
		Right Side	5500	1.014	2.64	13.03	12.75	1.079	1.094	/
		Right Side	5580	0.989	1.67	13.03	12.61	1.079	1.067	/
		Right Side	5700	1.124	1.24	13.03	12.99	1.079	1.213	14
		Top Side	5700	0.549	-0.33	13.03	12.99	1.079	0.592	/
		Bottom Side	5700	0.211	-3.90	13.03	12.99	1.079	0.228	/
5.6GHz WLAN MIMO 1	802.11ax- HE20	Front Side	5700	0.349	3.20	9.60	9.33	1.069	0.373	/
		Back Side	5700	0.308	1.22	9.60	9.33	1.069	0.329	/
		Left Side	5700	0.402	-2.13	9.60	9.33	1.069	0.430	/
		Right Side	5700	0.453	-1.73	9.60	9.33	1.069	0.484	15
		Top Side	5700	0.222	-0.20	9.60	9.33	1.069	0.237	/
		Bottom Side	5700	0.085	-2.16	9.60	9.33	1.069	0.091	/
5.6GHz WLAN MIMO 2	802.11ax- HE20	Front Side	5700	0.381	-3.38	9.60	9.33	1.069	0.407	/
		Back Side	5700	0.339	2.00	9.60	9.33	1.069	0.362	/
		Left Side	5700	0.444	1.78	9.60	9.33	1.069	0.475	/
		Right Side	5700	0.498	2.71	9.60	9.33	1.069	0.532	16
		Top Side	5700	0.242	-1.23	9.60	9.33	1.069	0.259	/
		Bottom Side	5700	0.096	-2.07	9.60	9.33	1.069	0.103	/
5.8GHz WLAN ANT 1	802.11a	Front Side	5745	0.823	1.51	8.30	8.03	1.072	0.882	/
		Front Side	5785	0.758	0.61	8.30	7.80	1.072	0.813	/
		Front Side	5825	0.734	-3.80	8.30	7.76	1.072	0.787	/
		Back Side	5745	0.490	-1.21	8.30	8.03	1.072	0.525	/
		Left Side	5745	1.069	2.99	8.30	8.03	1.072	1.146	17
		Left Side	5785	0.984	3.56	8.30	7.80	1.072	1.055	/
		Left Side	5825	0.954	-3.11	8.30	7.76	1.072	1.023	/
		Right Side	5745	0.268	0.95	8.30	8.03	1.072	0.287	/
		Top Side	5745	0.683	-0.85	8.30	8.03	1.072	0.732	/
		Bottom Side	5745	0.132	-2.81	8.30	8.03	1.072	0.142	/
5.8GHz WLAN ANT 2	802.11a	Front Side	5785	0.358	2.52	10.10	9.77	1.064	0.381	/
		Back Side	5785	0.316	-2.38	10.10	9.77	1.064	0.336	/
		Left Side	5785	0.414	-2.85	10.10	9.77	1.064	0.440	/
		Right Side	5785	0.464	-1.00	10.10	9.77	1.064	0.494	18
		Top Side	5785	0.229	-3.81	10.10	9.77	1.064	0.244	/
		Bottom Side	5785	0.090	-0.58	10.10	9.77	1.064	0.096	/
5.8GHz WLAN MIMO 1	802.11ax- HE20	Front Side	5785	0.405	2.66	6.70	6.42	1.079	0.437	/
		Back Side	5785	0.242	0.91	6.70	6.42	1.079	0.261	/
		Left Side	5785	0.523	-3.00	6.70	6.42	1.079	0.564	19
		Right Side	5785	0.132	-1.92	6.70	6.42	1.079	0.142	/
		Top Side	5785	0.336	-2.00	6.70	6.42	1.079	0.363	/
		Bottom Side	5785	0.067	2.35	6.70	6.42	1.079	0.072	/
5.8GHz		Front Side	5785	0.366	0.50	6.70	6.42	1.079	0.395	/



WLAN MIMO 2	802.11ax-HE20	Back Side	5785	0.220	-2.36	6.70	6.42	1.079	0.237	/
		Left Side	5785	0.475	0.88	6.70	6.42	1.079	0.513	20
		Right Side	5785	0.121	-0.81	6.70	6.42	1.079	0.131	/
		Top Side	5785	0.303	-1.73	6.70	6.42	1.079	0.327	/
		Bottom Side	5785	0.062	-2.53	6.70	6.42	1.079	0.067	/
BT	GFSK	Front Side	2441	0.228	-1.92	5.10	4.84	1.079	0.246	/
		Back Side	2441	0.135	3.76	5.10	4.84	1.079	0.146	/
		Left Side	2441	0.294	-3.19	5.10	4.84	1.079	0.317	21
		Right Side	2441	0.261	-1.92	5.10	4.84	1.079	0.282	/
		Top Side	2441	0.188	1.87	5.10	4.84	1.079	0.203	/
		Bottom Side	2441	0.035	-3.42	5.10	4.84	1.079	0.038	/

Band	Mode	Max SAR	WIFI MIMO
		(W/Kg)	
2.4G WLAN	802.11n-HT20	0.382	0.775
	802.11n-HT20	0.393	
5.2G WLAN	802.11ax-HE40	0.477	1.117
	802.11ax-HE40	0.640	
5.3G WLAN	802.11ax-HE40	0.627	1.196
	802.11ax-HE40	0.569	
5.6G WLAN	802.11ax-HE40	0.484	1.016
	802.11ax-HE40	0.532	
5.8G WLAN	802.11ax-HE20	0.564	1.077
	802.11ax-HE20	0.513	

Note:

- The test separation of all above table is 0mm.
- Per KDB 447498 D01, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - Scaled SAR(W/kg) = Measured SAR(W/kg) *Tune-up Scaling Factor



12.2 Repeated SAR

Band	Mode	Test Position	Ch.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)
2.4GHz WLAN ANT 1	802.11b	Front Side	2412	0.782	2.97	14.20	13.93	1.064	0.832
		Front Side	2437	0.736	1.88	14.20	13.88	1.076	0.792
		Front Side	2462	0.822	-1.21	14.20	13.94	1.062	0.873
		Back Side	2462	0.786	-3.27	14.20	13.94	1.062	0.834
		Left Side	2412	0.961	-0.74	14.20	13.93	1.064	1.023
		Left Side	2437	0.923	2.54	14.20	13.88	1.076	0.994
		Left Side	2462	1.084	1.82	14.20	13.94	1.062	1.151
2.4GHz WLAN ANT 2	802.11b	Front Side	2412	0.759	1.29	14.70	14.05	1.161	0.882
		Front Side	2437	0.793	-0.89	14.70	14.17	1.130	0.896
		Front Side	2462	0.865	-3.32	14.70	14.40	1.072	0.927
		Back Side	2412	0.752	1.62	14.70	14.05	1.161	0.873
		Back Side	2437	0.788	-2.50	14.70	14.17	1.130	0.890
		Back Side	2462	0.839	-1.26	14.70	14.40	1.072	0.899
		Right Side	2412	1.043	1.30	14.70	14.05	1.161	1.211
		Right Side	2437	1.059	0.68	14.70	14.17	1.130	1.196
5.2GHz WLAN ANT 1	802.11a	Front Side	5180	0.763	2.39	14.70	14.01	1.172	0.894
		Front Side	5200	0.804	0.42	14.70	14.24	1.112	0.894
		Front Side	5240	0.859	-2.27	14.70	14.36	1.081	0.929
		Left Side	5180	0.987	2.10	14.70	14.01	1.172	1.157
		Left Side	5200	1.020	-2.44	14.70	14.24	1.112	1.134
		Left Side	5240	1.097	0.32	14.70	14.36	1.081	1.186
5.2GHz WLAN ANT 2	802.11a	Left Side	5180	0.829	3.34	14.40	14.13	1.064	0.882
		Left Side	5200	0.762	2.55	14.40	14.09	1.074	0.818
		Left Side	5240	0.772	-3.01	14.40	14.10	1.072	0.827
		Right Side	5180	0.917	2.61	14.40	14.13	1.064	0.976
		Right Side	5200	0.846	-1.32	14.40	14.09	1.074	0.909
5.3GHz WLAN ANT 1	802.11a	Right Side	5240	0.898	0.57	14.40	14.10	1.072	0.962
		Front Side	5260	0.799	2.13	14.00	13.66	1.081	0.864
		Front Side	5300	0.778	-0.90	14.00	13.65	1.084	0.843
		Front Side	5320	0.822	-1.42	14.00	13.70	1.072	0.881
		Left Side	5260	1.032	-3.46	14.00	13.66	1.081	1.116
		Left Side	5300	1.016	0.11	14.00	13.65	1.084	1.101
5.3GHz WLAN ANT 2	802.11a	Left Side	5320	1.086	-2.20	14.00	13.70	1.072	1.164
		Front Side	5260	0.770	3.08	13.70	13.34	1.086	0.837
		Front Side	5300	0.801	0.63	13.70	13.42	1.067	0.854
		Front Side	5320	0.825	-3.50	13.70	13.44	1.062	0.876
		Back Side	5320	0.733	1.44	13.70	13.44	1.062	0.778
		Left Side	5260	0.878	-0.70	13.70	13.34	1.086	0.954
		Left Side	5300	0.924	-0.98	13.70	13.42	1.067	0.986
		Left Side	5320	0.955	-2.92	13.70	13.44	1.062	1.014
		Right Side	5260	0.997	-0.89	13.70	13.34	1.086	1.083
5.6GHz WLAN ANT 1	802.11a	Right Side	5300	1.046	3.08	13.70	13.42	1.067	1.116
		Right Side	5320	1.061	2.40	13.70	13.44	1.062	1.126
		Front Side	5500	0.786	-2.51	11.04	10.56	1.117	0.878
		Front Side	5580	0.802	1.83	11.04	11.04	1.000	0.802
		Front Side	5700	0.842	-3.22	11.04	11.09	0.989	0.832
		Left Side	5500	1.003	-0.81	11.04	10.56	1.117	1.120
		Left Side	5580	1.047	3.18	11.04	11.04	1.000	1.047



		Left Side	5700	1.084	1.98	11.04	11.09	0.989	1.072
5.6GHz WLAN ANT 2	802.11a	Front Side	5500	0.742	-0.01	13.03	12.75	1.067	0.791
		Front Side	5580	0.726	-2.58	13.03	12.61	1.102	0.800
		Front Side	5700	0.860	-0.43	13.03	12.99	1.009	0.868
		Back Side	5700	0.745	-0.95	13.03	12.99	1.009	0.752
		Left Side	5500	0.890	-0.55	13.03	12.75	1.067	0.949
		Left Side	5580	0.840	-0.09	13.03	12.61	1.102	0.925
		Left Side	5700	0.963	0.31	13.03	12.99	1.009	0.972
		Right Side	5500	0.990	1.87	13.03	12.75	1.067	1.056
		Right Side	5580	0.981	-3.62	13.03	12.61	1.102	1.081
		Right Side	5700	1.073	-3.24	13.03	12.99	1.009	1.083
5.8GHz WLAN ANT 1	802.11a	Front Side	5745	0.822	2.81	8.30	8.03	1.064	0.875
		Front Side	5785	0.754	-2.70	8.30	7.80	1.122	0.846
		Left Side	5745	1.030	-1.88	8.30	8.03	1.064	1.096
		Left Side	5785	0.956	-1.80	8.30	7.80	1.122	1.073
		Left Side	5825	0.947	1.64	8.30	7.76	1.132	1.072



12.3 Repeated SAR measurement

Band	Mode	Test Position	Ch.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio
2.4GHz WLAN ANT 1	802.11b	Front Side	2412	0.810	0.782	1.036
		Front Side	2437	0.768	0.736	1.043
		Front Side	2462	0.849	0.822	1.033
		Back Side	2462	0.787	0.786	1.001
		Left Side	2412	0.993	0.961	1.034
		Left Side	2437	0.953	0.923	1.032
		Left Side	2462	1.104	1.084	1.019
2.4GHz WLAN ANT 2	802.11b	Front Side	2412	0.772	0.759	1.017
		Front Side	2437	0.81	0.793	1.021
		Front Side	2462	0.876	0.865	1.013
		Back Side	2412	0.776	0.752	1.032
		Back Side	2437	0.812	0.788	1.031
		Back Side	2462	0.881	0.839	1.050
		Right Side	2412	1.061	1.043	1.017
		Right Side	2437	1.112	1.059	1.050
5.2GHz WLAN ANT 1	802.11a	Right Side	2462	1.206	1.203	1.003
		Front Side	5180	0.771	0.763	1.011
		Front Side	5200	0.809	0.804	1.007
		Front Side	5240	0.877	0.859	1.021
		Left Side	5180	1.007	0.987	1.020
		Left Side	5200	1.056	1.020	1.035
5.2GHz WLAN ANT 2	802.11a	Left Side	5240	1.142	1.097	1.041
		Left Side	5180	0.837	0.829	1.010
		Left Side	5200	0.769	0.762	1.010
		Left Side	5240	0.8	0.772	1.036
		Right Side	5180	0.944	0.917	1.030
		Right Side	5200	0.868	0.846	1.027
5.3GHz WLAN ANT 1	802.11a	Right Side	5240	0.901	0.898	1.003
		Front Side	5260	0.808	0.799	1.012
		Front Side	5300	0.791	0.778	1.017
		Front Side	5320	0.855	0.822	1.040
		Left Side	5260	1.047	1.032	1.014
		Left Side	5300	1.025	1.016	1.009
5.3GHz WLAN ANT 2	802.11a	Left Side	5320	1.111	1.086	1.023
		Front Side	5260	0.784	0.770	1.018
		Front Side	5300	0.807	0.801	1.007
		Front Side	5320	0.845	0.825	1.025
		Back Side	5320	0.744	0.733	1.015
		Left Side	5260	0.899	0.878	1.024
		Left Side	5300	0.93	0.924	1.006
		Left Side	5320	0.972	0.955	1.018
		Right Side	5260	1.013	0.997	1.016
		Right Side	5300	1.046	1.046	1.000
5.6GHz WLAN ANT 1	802.11a	Right Side	5320	1.098	1.061	1.035
		Front Side	5500	0.788	0.786	1.002
		Front Side	5580	0.813	0.802	1.014
		Front Side	5700	0.850	0.842	1.009
		Left Side	5500	1.021	1.003	1.018
		Left Side	5580	1.053	1.047	1.005
		Left Side	5700	1.105	1.084	1.019



5.6GHz WLAN ANT 2	802.11a	Front Side	5500	0.779	0.742	1.050
		Front Side	5580	0.759	0.726	1.045
		Front Side	5700	0.862	0.860	1.003
		Back Side	5700	0.759	0.745	1.018
		Left Side	5500	0.903	0.890	1.015
		Left Side	5580	0.877	0.840	1.044
		Left Side	5700	0.998	0.963	1.036
		Right Side	5500	1.014	0.990	1.024
		Right Side	5580	0.989	0.981	1.008
		Right Side	5700	1.124	1.073	1.047
5.8GHz WLAN ANT 1	802.11a	Front Side	5745	0.823	0.822	1.001
		Front Side	5785	0.758	0.754	1.005
		Left Side	5745	1.069	1.030	1.038
		Left Side	5785	0.984	0.956	1.029
		Left Side	5825	0.954	0.947	1.008

Note:

1. Per KDB 865664 D01, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8\text{W/Kg}$.
2. Per KDB 865664 D01, if the ratio of largest to smallest SAR for the original and first repeated measurement is ≤ 1.2 and the measured SAR $< 1.45\text{W/Kg}$, only one repeated measurement is required.
3. Perform a second repeated measurement only 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 $\geq 1.45\text{W/Kg}$.
4. The ratio is the difference in percentage between original and repeated measured SAR.



12.4 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

Position	Simultaneous State
Body	2.4GHz WLAN/5G WLAN + Bluetooth

NOTE:

1. 2.4G WLAN and 5G WLAN can't simultaneous transmission at the same time.
2. For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.
3. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
4. KDB 447498 / 4.3.2 (2) when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:
 - a) $(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f} \text{ (GHz)} / x] \text{ W/kg}$ for test separation distances $\leq 50 \text{ mm}$;
Where $x = 7.5$ for 1-g SAR, and $x = 18.75$ for 10-g SAR.
 - b) 0.4 W/Kg for 1-g SAR and 1.0 W/Kg for 10-g SAR, when the separation distance is $>50 \text{ mm}$.

Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
2.4G WLAN + BT	Body	2.4G WLAN	1.190	1.507
		BT	0.317	
5.2G WLAN + BT	Body	5.2G WLAN	1.229	1.546
		BT	0.317	

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 SPLSR.



13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
2450MHz Dipole	MVG	DIP2G450	SN 06/22 DIP2G450-645	2025.05.20	2028.05.19
5000MHz Dipole	MVG	DIP5G000	SN 06/22 DIP5G000-653	2025.05.22	2028.05.21
E-Field Probe	MVG	SSE2	0326-EPGO-431	2026.01.22	2027.01.21
Liquid Calibration Kit	MVG	OCPG 87	SN 06/22 OCPG87	2026.05.28	2027.05.27
Antenna	MVG	ANTA 73	SN 06/22 ANTA 73	N/A	N/A
Ellipsoid Phantom	MVG	ELLI 51	SN 06/22 ELLI 51	N/A	N/A
Phantom	MVG	SAM 148	SN 06/22 SAM148	N/A	N/A
Phone holder	MVG	MSH 117	SN 06/22 MSH 117	N/A	N/A
Laptop positioner	MVG	LSH 36	SN 06/22 LSH 38	N/A	N/A
Directional coupler	SHW	SHWDCP	202203280013	N/A	N/A
Network Analyzer	R&S	ZVL	116184	2026.03.03	2027.03.02
Multi Meter	Keithley	DMM6500	4527252	2026.03.03	2027.03.02
Signal Generator	Keysight	N5182B	MY59100717	2026.03.03	2027.03.02
Wireless Communication Test Set	R&S	CMW500	137737	2026.03.02	2027.03.01
Power Sensor	R&S	Z11	116184	2026.03.03	2027.03.02
Electronic Temperature hygrometer	N/A	ST-W2318	N/A	2026.03.05	2027.03.04
Temperature hygrometer	N/A	TP101	N/A	2026.03.05	2027.03.04



Appendix A. System Validation Plots

System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

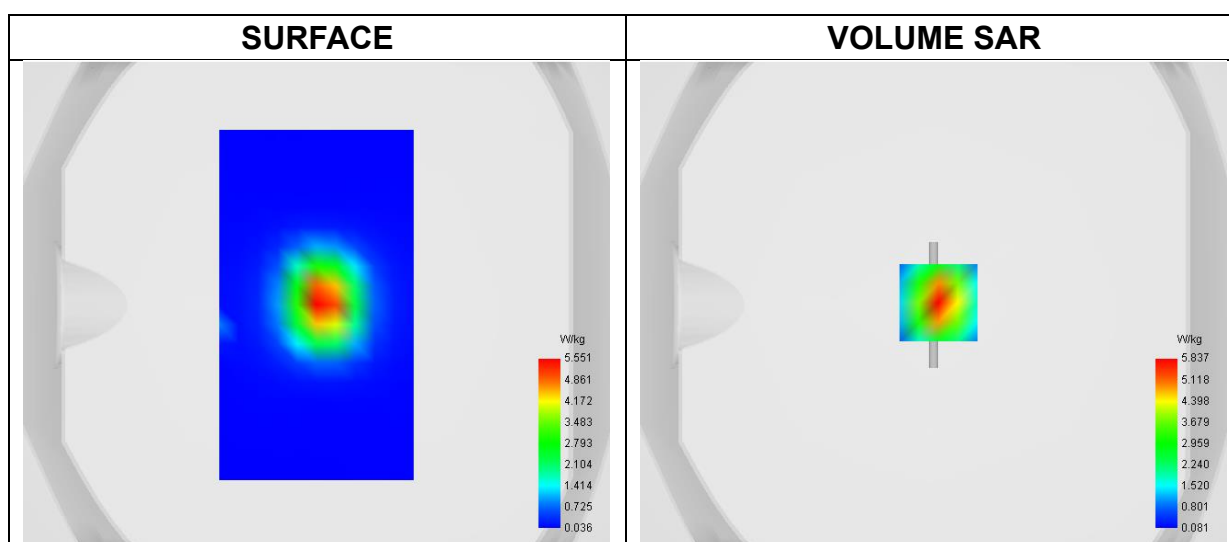
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement:2026-06-06

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	40.58
Conductivity (S/m)	1.83
Probe	0326-EPGO-431
ConvF	1.03
Crest factor:	1:1

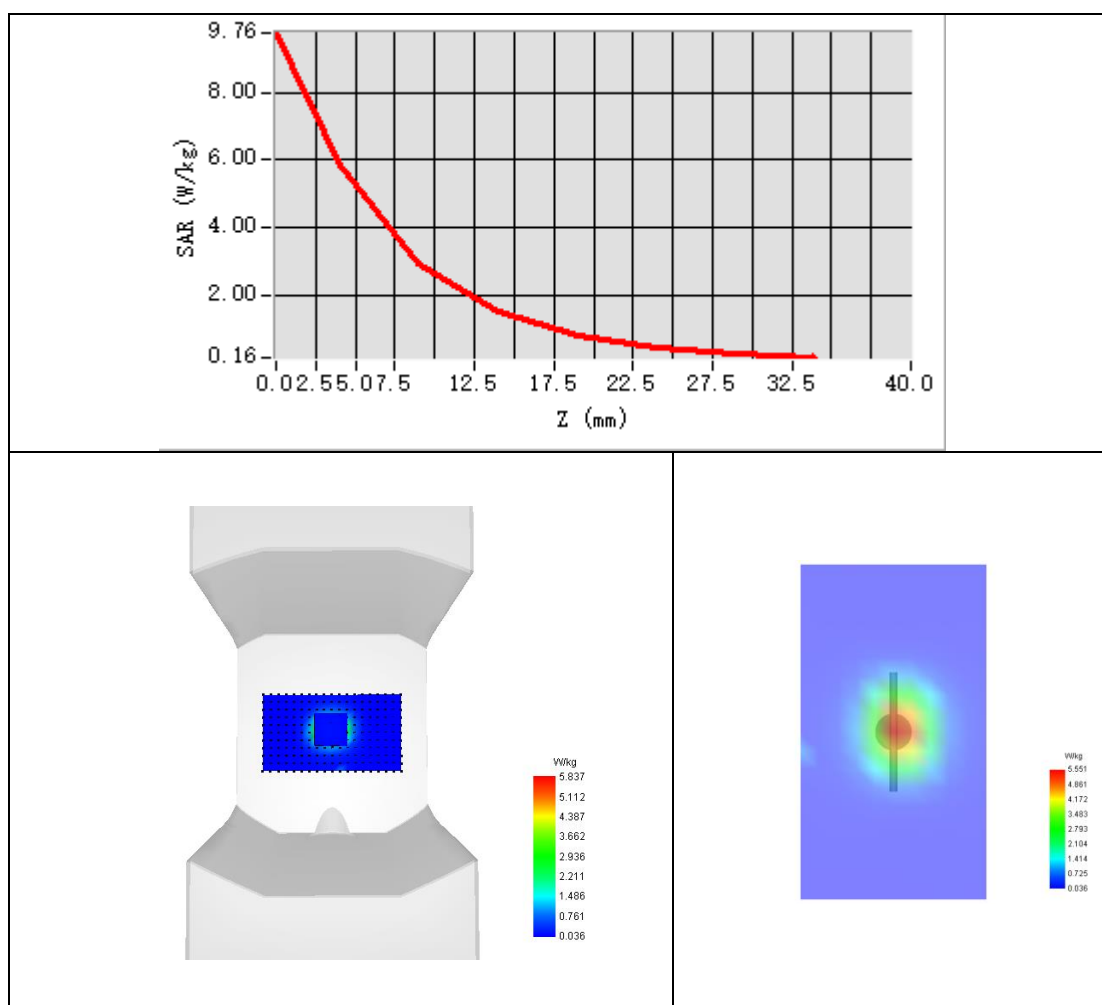


Maximum location: X=1.00, Y=5.00 ; SAR Peak: 9.91 W/kg

SAR 10g (W/Kg)	2.445
SAR 1g (W/Kg)	5.294
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	50.263560



Z Axis Scan





System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

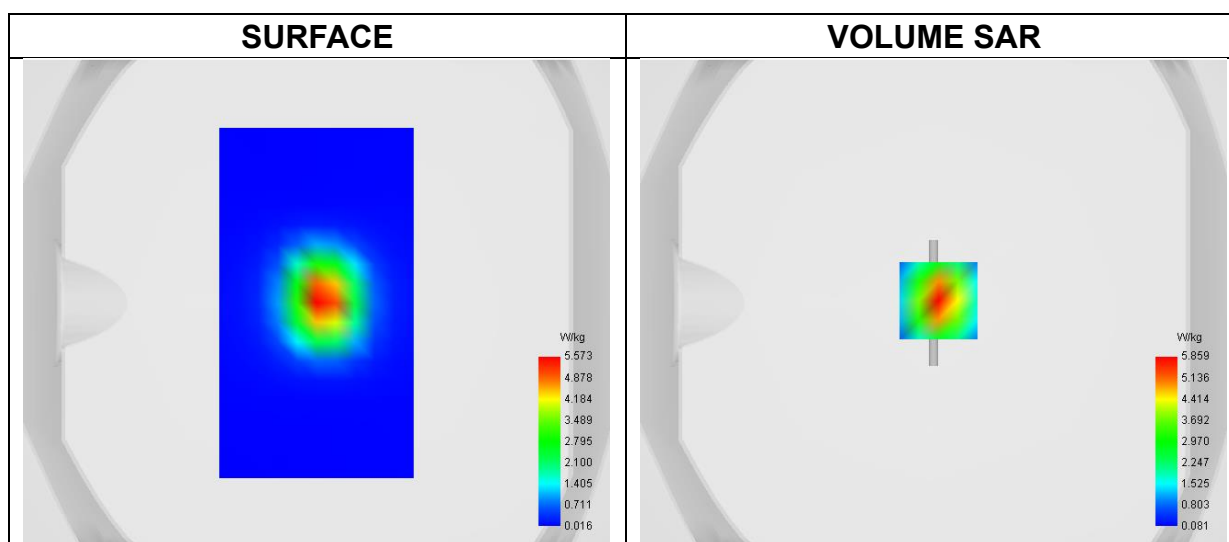
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement:2026-06-08

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	39.35
Conductivity (S/m)	1.83
Probe	0326-EPGO-431
ConvF	1.03
Crest factor:	1:1

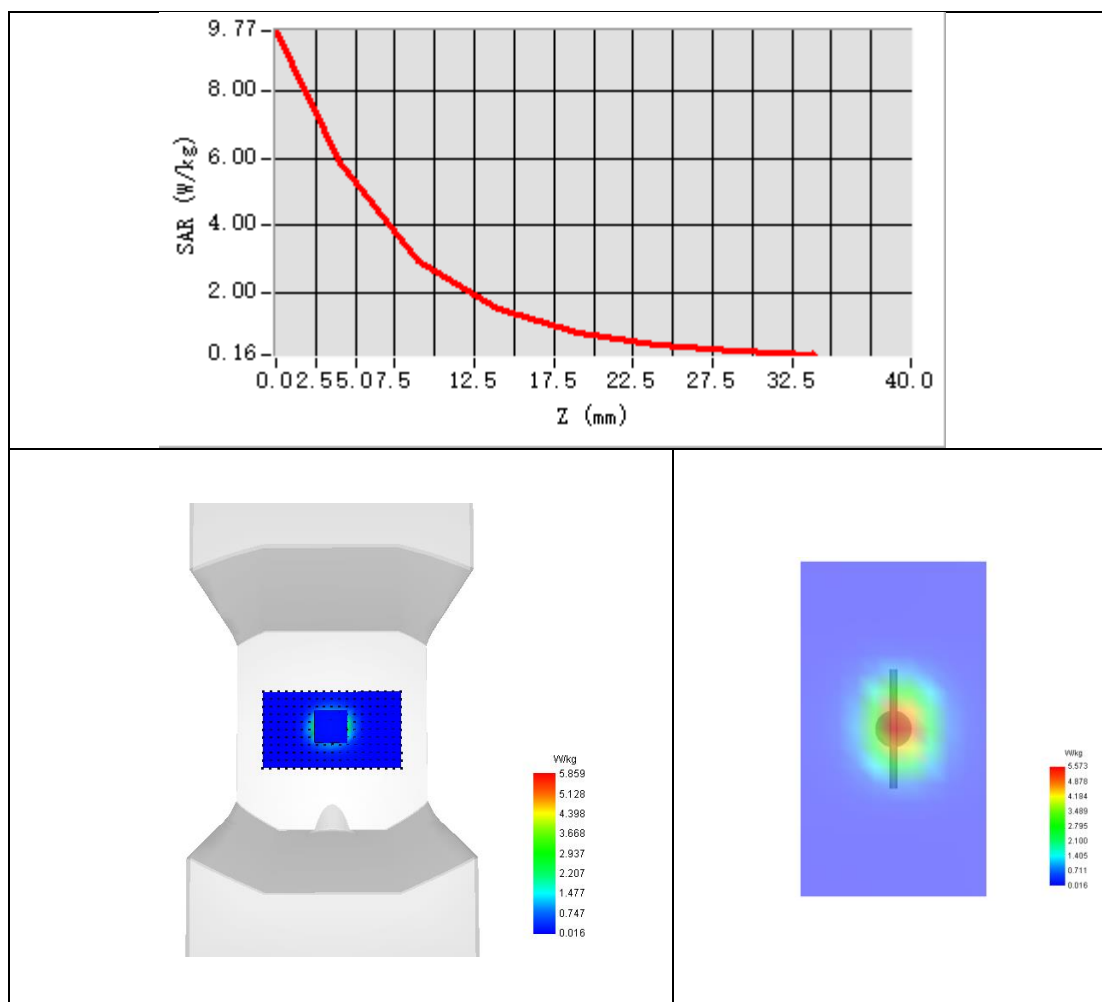


Maximum location: X=2.00, Y=1.00 ; SAR Peak: 9.69 W/kg

SAR 10g (W/Kg)	2.461
SAR 1g (W/Kg)	5.284
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	50.309356



Z Axis Scan





System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)

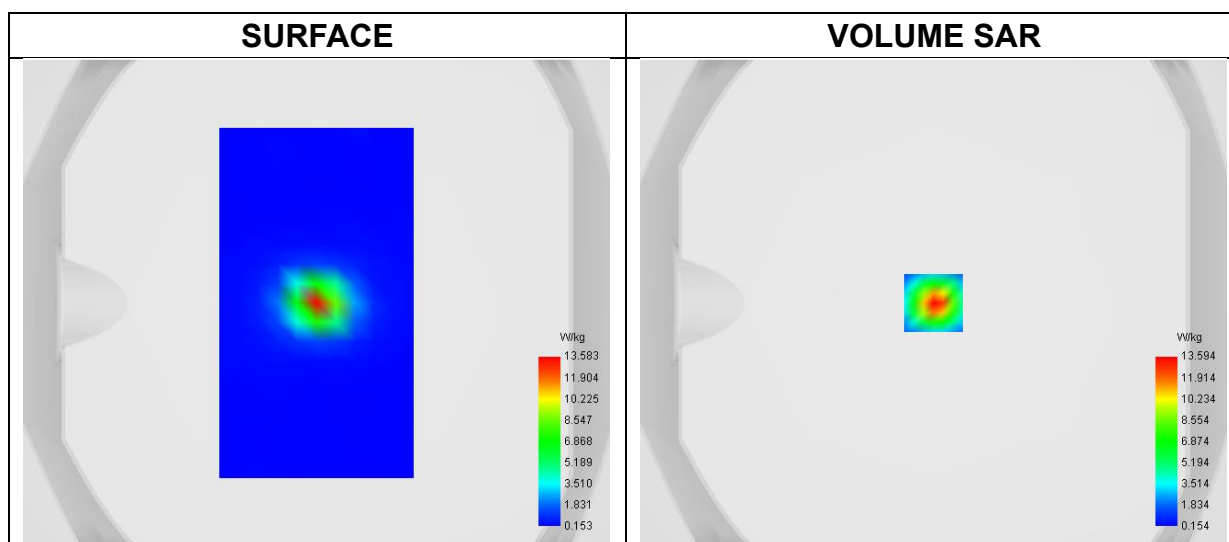
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement:2026-06-07

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200.000
Relative permittivity	36.41
Conductivity (S/m)	4.68
Probe	0326-EPGO-431
ConvF	1.08
Crest factor:	1:1

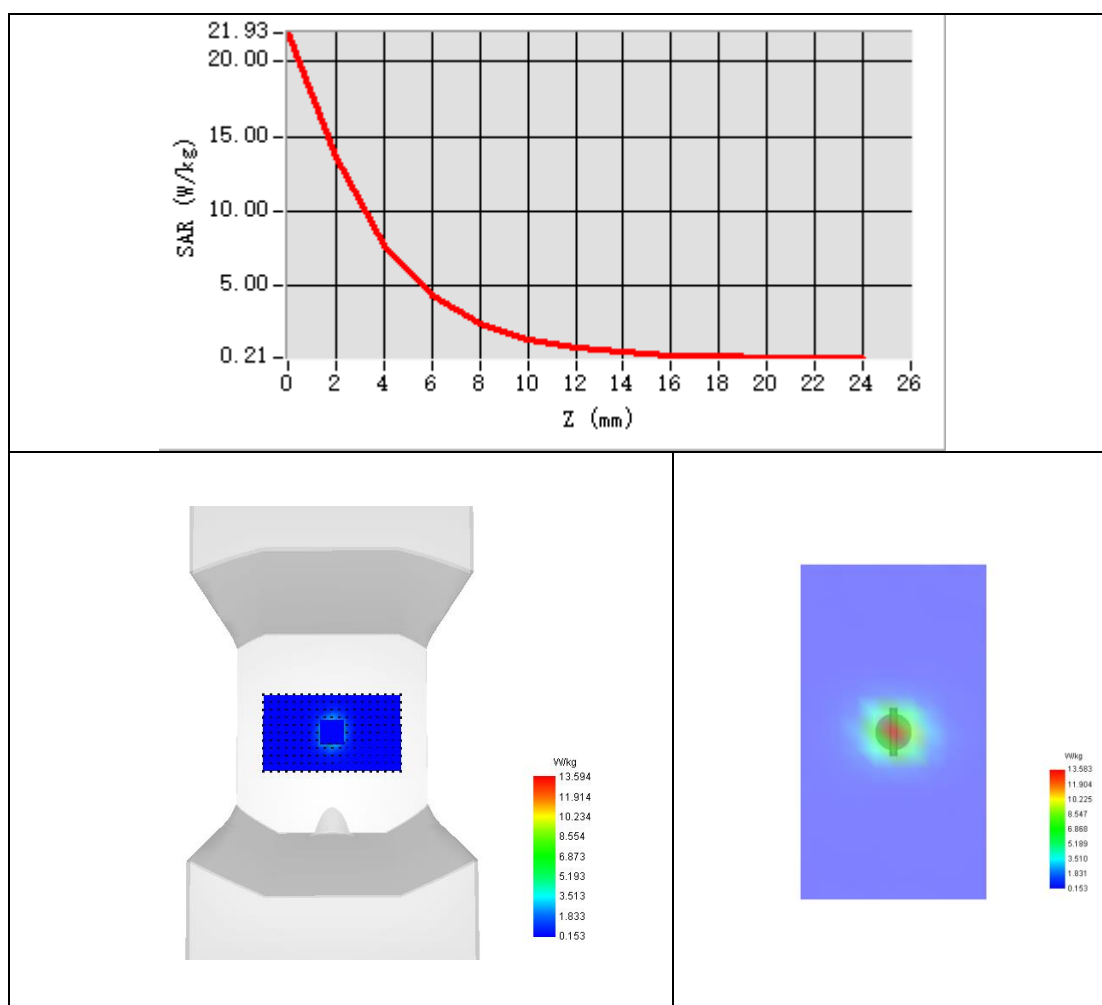


Maximum location: X=6.00, Y=0.00 ; SAR Peak: 25.77 W/kg

SAR 10g (W/Kg)	2.257
SAR 1g (W/Kg)	7.763
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	56.378982



Z Axis Scan





System Performance Check Data (5400MHz)

Type: Phone measurement (Complete)

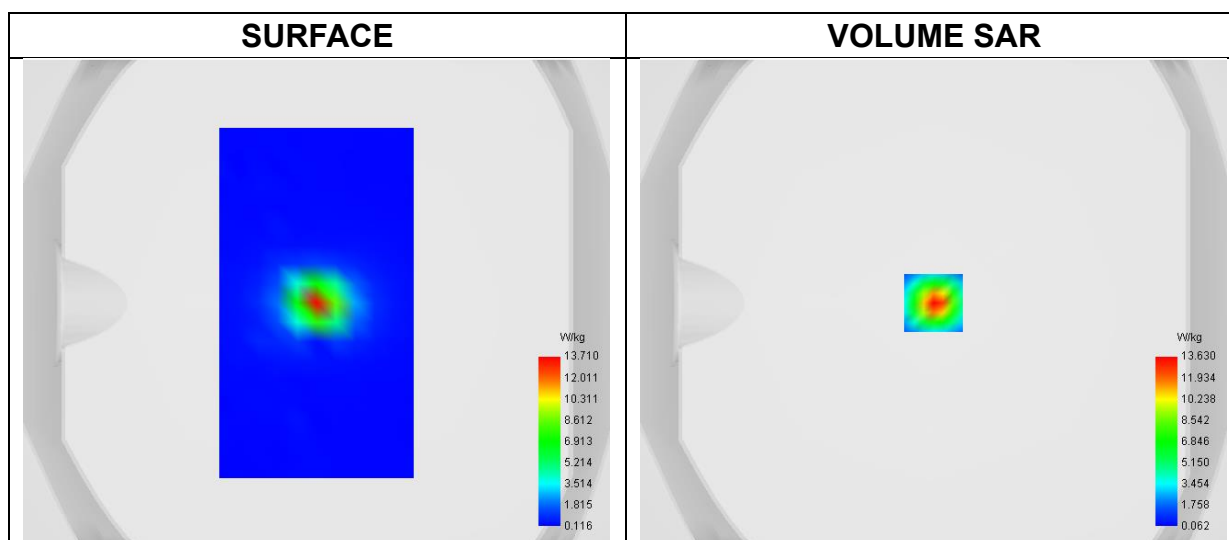
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement:2026-06-05

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Channels	Middle
Signal	CW
Frequency (MHz)	5400.000
Relative permittivity	36.42
Conductivity (S/m)	4.90
Probe	0326-EPGO-431
ConvF	1.16
Crest factor:	1:1

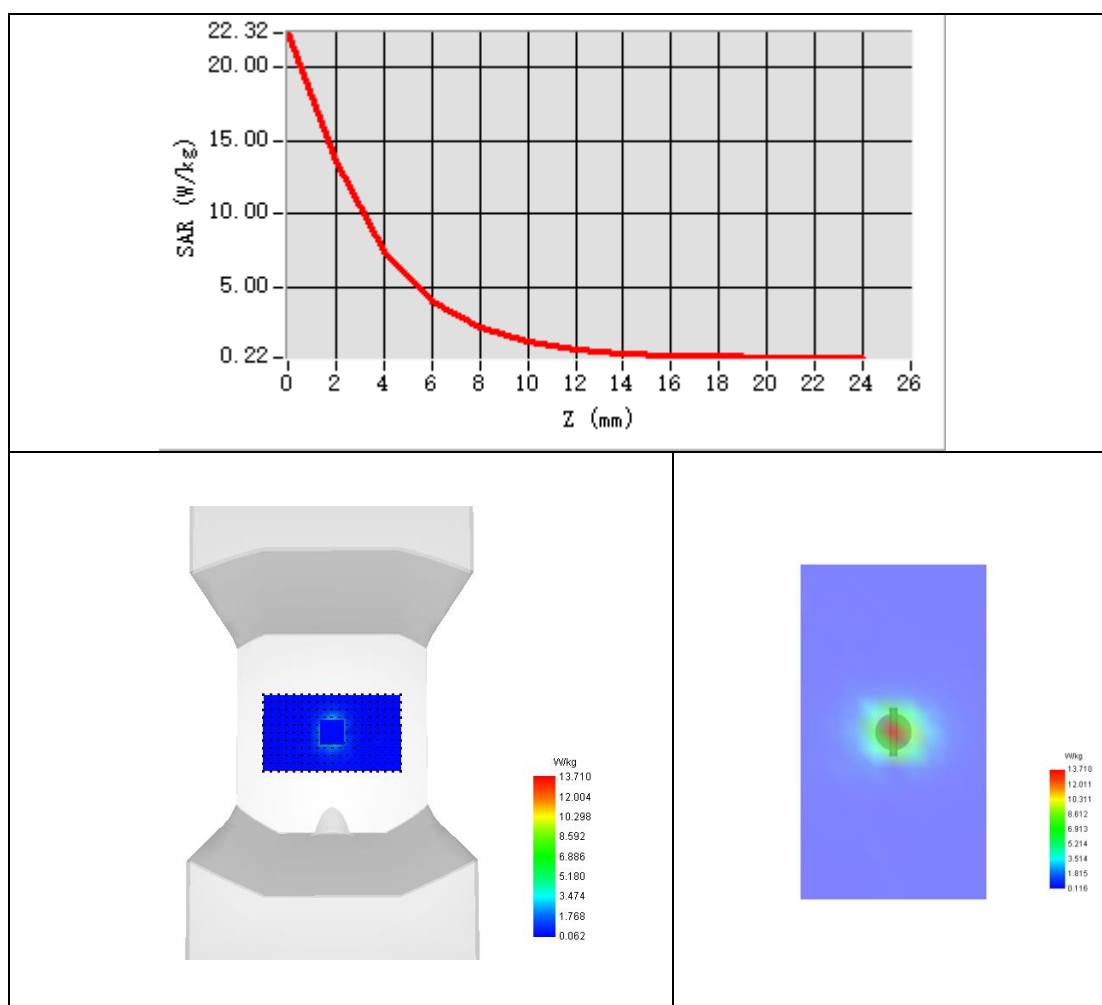


Maximum location: X=6.00, Y=0.00 ; SAR Peak: 26.63 W/kg

SAR 10g (W/Kg)	2.237
SAR 1g (W/Kg)	7.684
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	54.938397



Z Axis Scan





System Performance Check Data (5600MHz)

Type: Phone measurement (Complete)

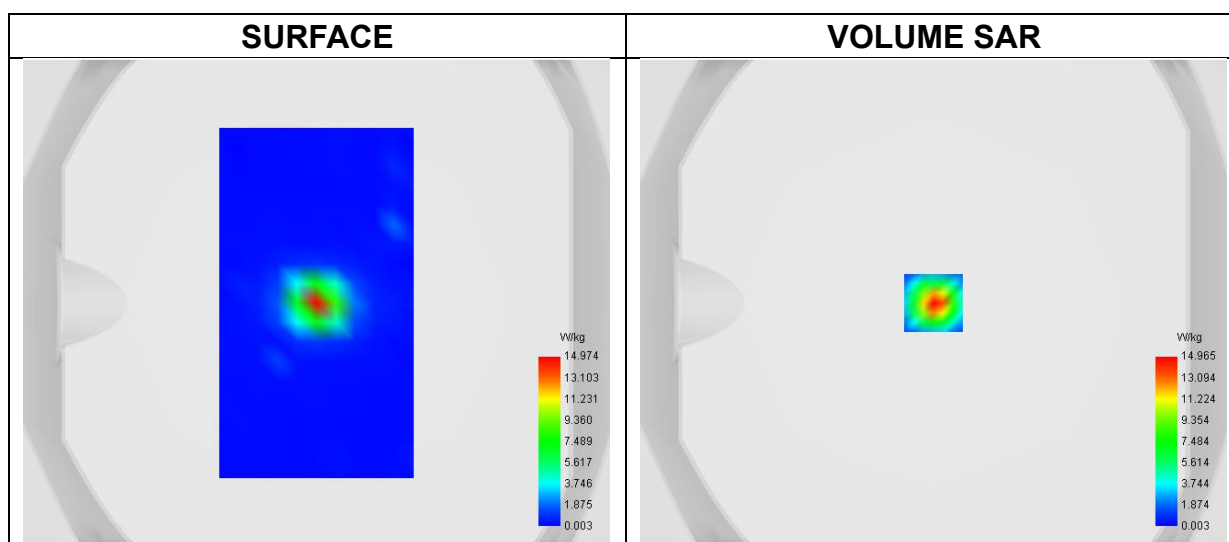
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement:2026-06-04

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels	Middle
Signal	CW
Frequency (MHz)	5600.000
Relative permittivity	36.25
Conductivity (S/m)	5.08
Probe	0326-EPGO-431
ConvF	1.07
Crest factor:	1:1

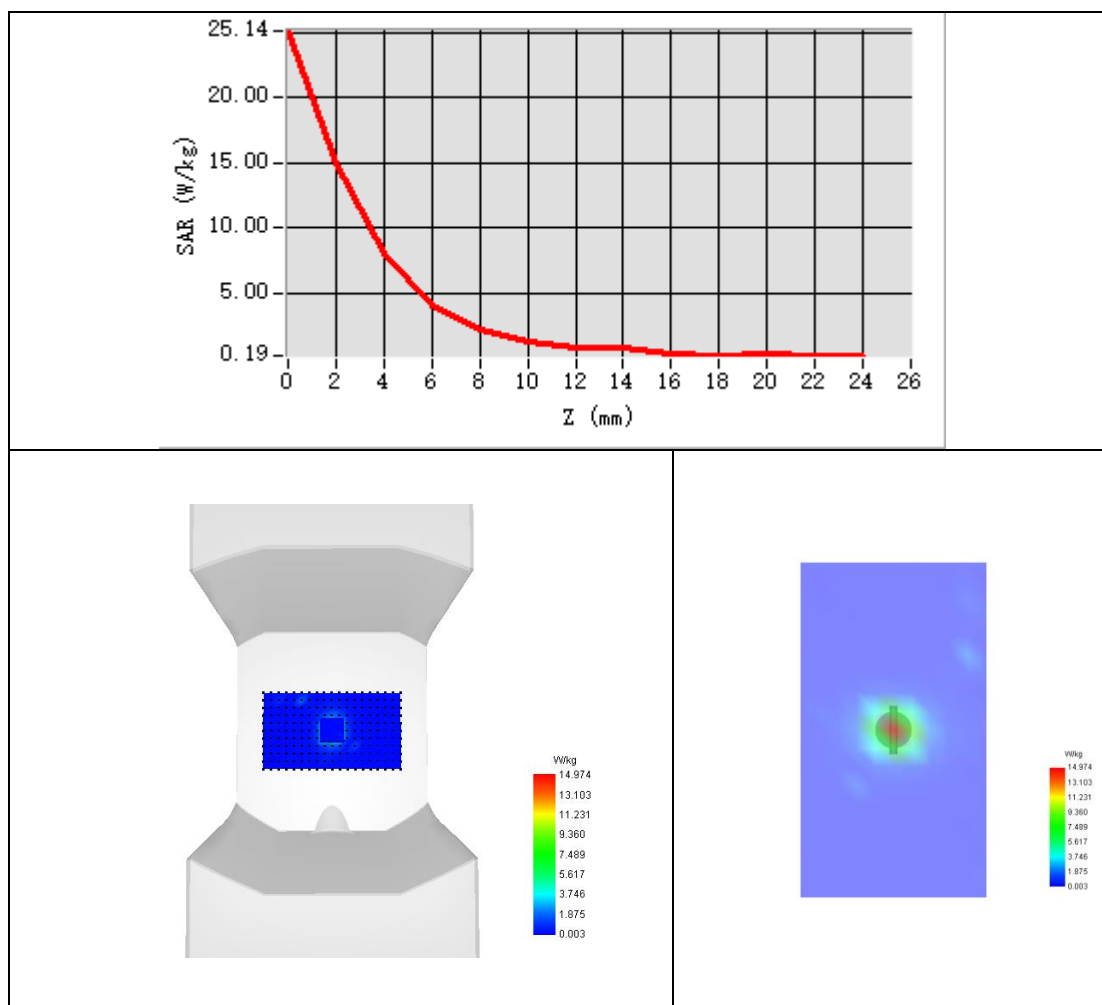


Maximum location: X=6.00, Y=0.00 ; SAR Peak: 31.34 W/kg

SAR 10g (W/Kg)	2.407
SAR 1g (W/Kg)	8.198
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	53.416901



Z Axis Scan





System Performance Check Data (5800MHz)

Type: Phone measurement (Complete)

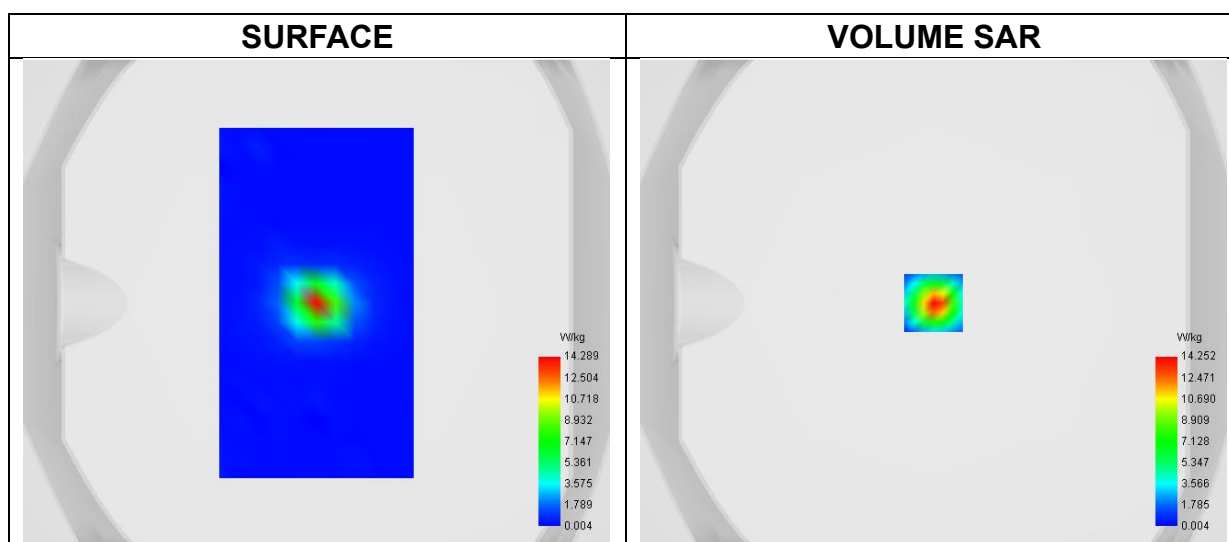
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement:2026-06-02

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW
Frequency (MHz)	5800.000
Relative permittivity	36.12
Conductivity (S/m)	5.24
Probe	0326-EPGO-431
ConvF	1.19
Crest factor:	1:1

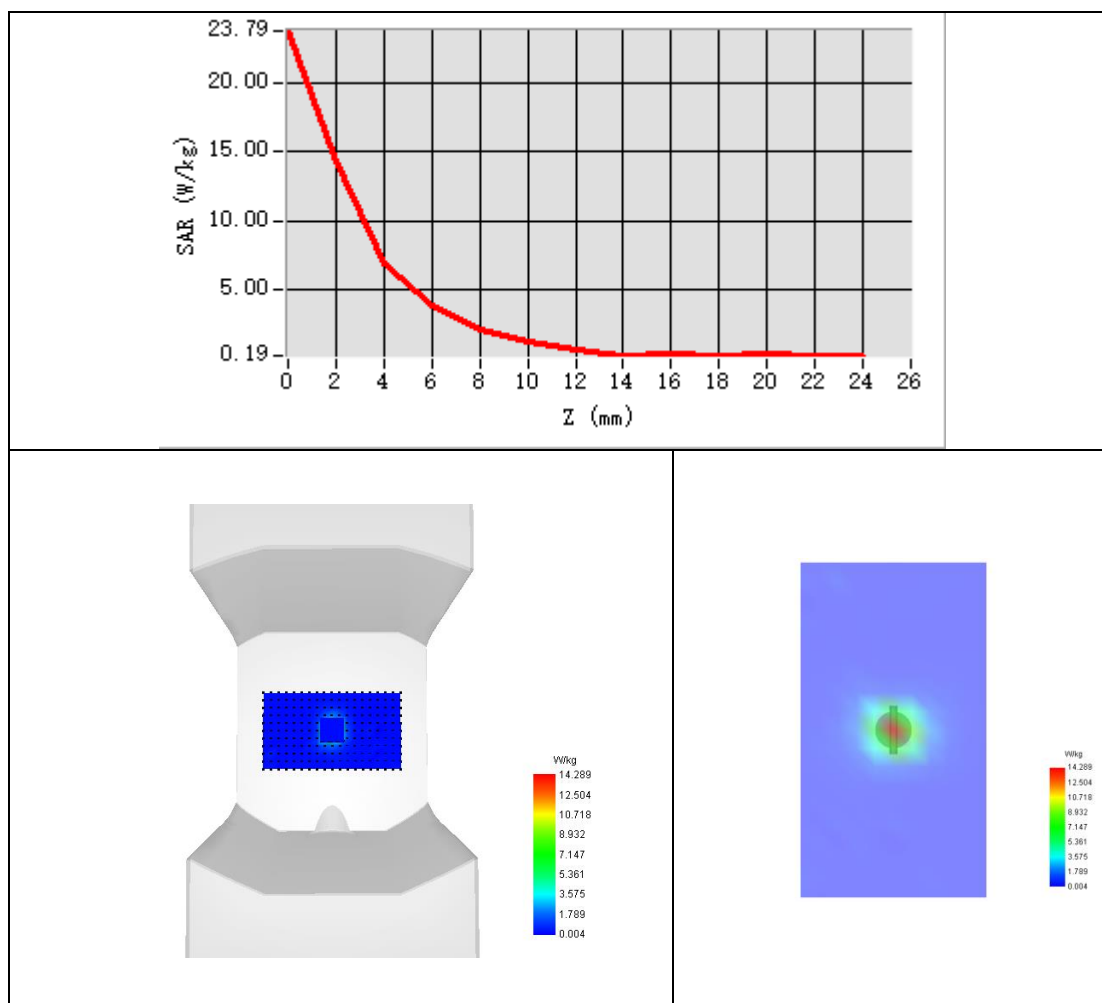


Maximum location: X=6.00, Y=0.00 ; SAR Peak: 28.81 W/kg

SAR 10g (W/Kg)	2.371
SAR 1g (W/Kg)	8.052
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	48.653518



Z Axis Scan



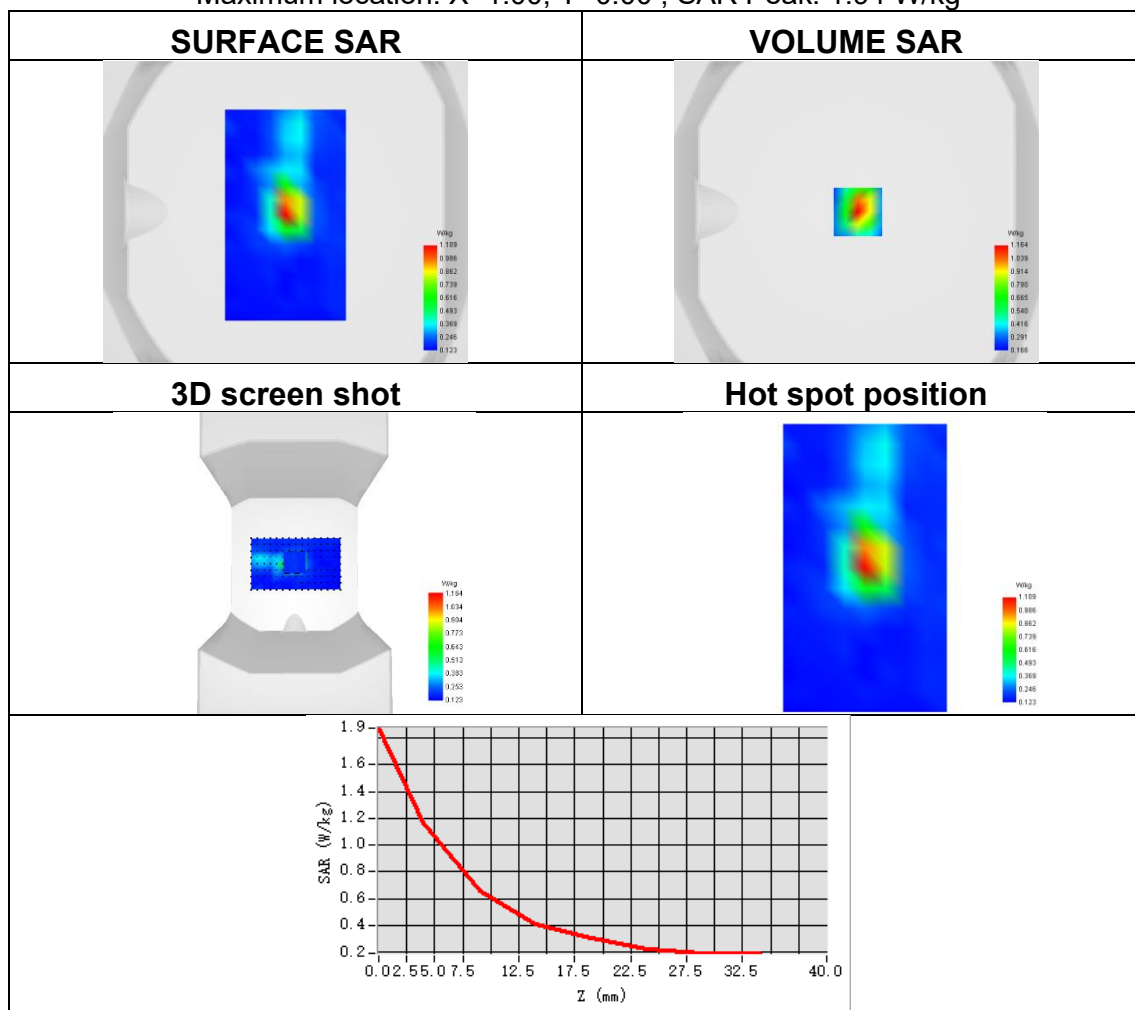


Appendix B. SAR Test Plots

Plot 1:

Test Date	2026-06-08
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Left Side
Band	ISM
Signal	IEEE 802.11b
Frequency	2462
SAR 10g (W/Kg)	0.570
SAR 1g (W/Kg)	1.104
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	56.476387
ConvF	1.03
Relative permittivity	40.17
Conductivity (S/m)	1.80

Maximum location: X=1.00, Y=0.00 ; SAR Peak: 1.94 W/kg

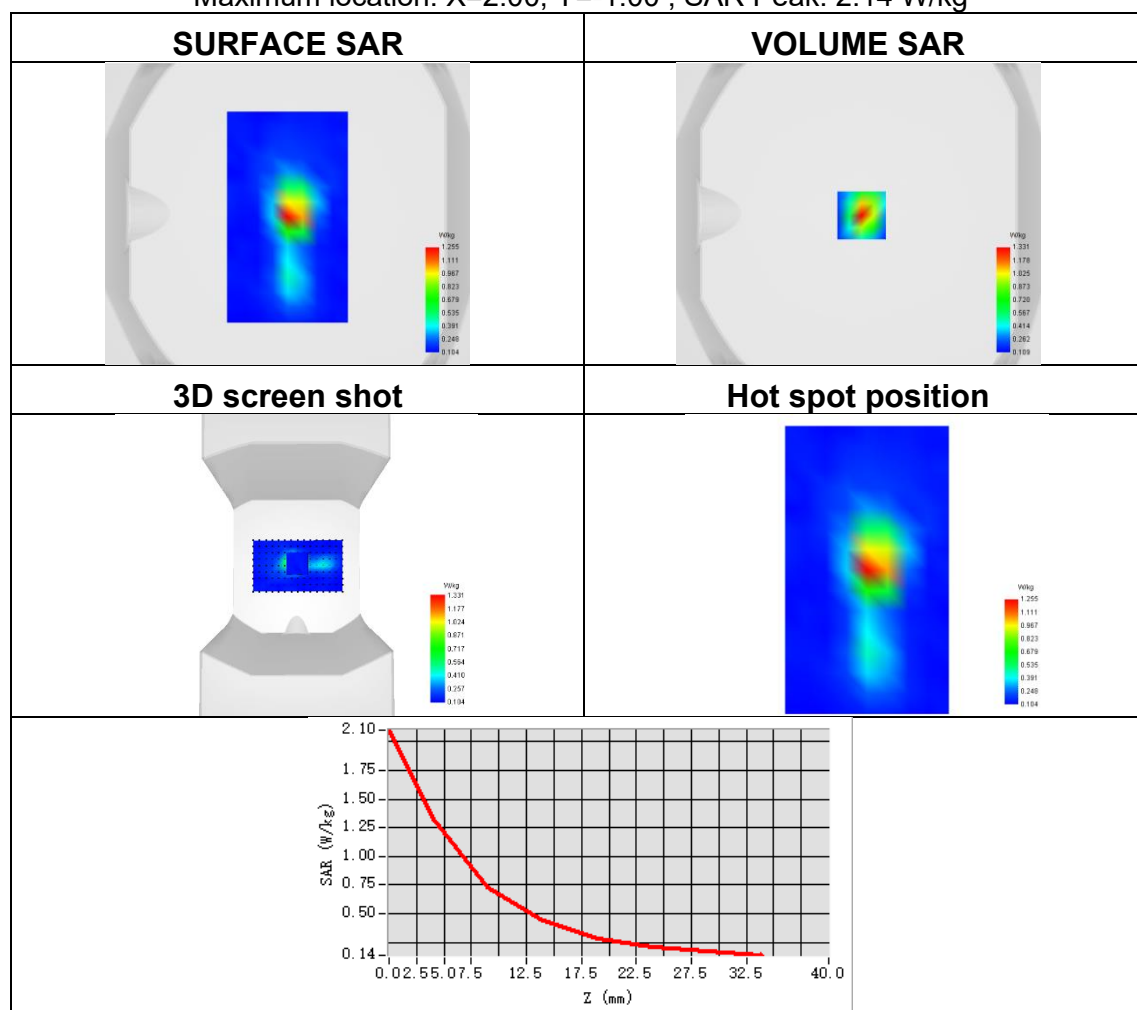




Plot 2:

Test Date	2026-06-08
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Side
Band	ISM
Signal	IEEE 802.11b
Frequency	2462
SAR 10g (W/Kg)	0.571
SAR 1g (W/Kg)	1.106
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.170344
ConvF	0.989
Relative permittivity	40.17
Conductivity (S/m)	1.80

Maximum location: X=2.00, Y=-1.00 ; SAR Peak: 2.14 W/kg

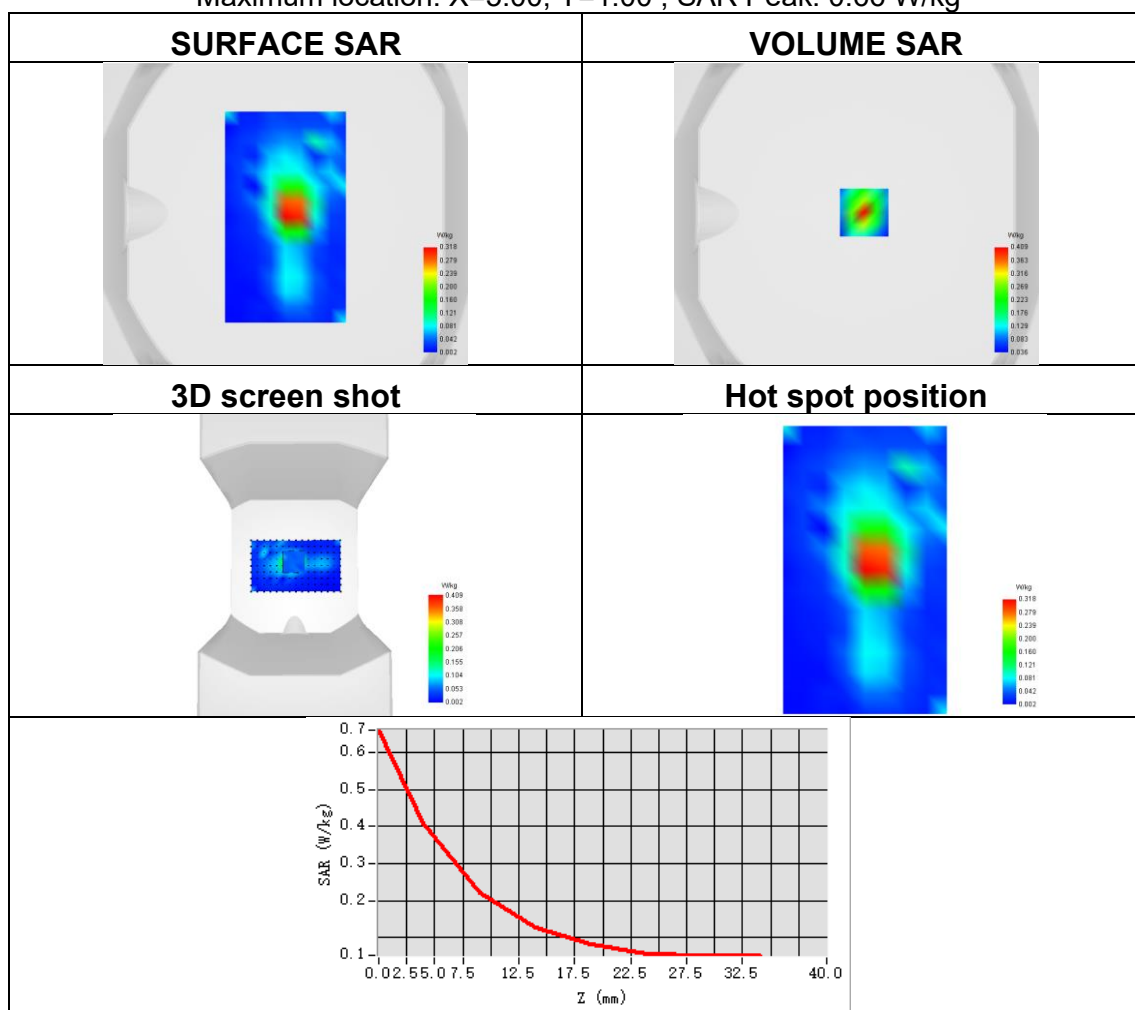




Plot 3:

Test Date	2026-06-08
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Side
Band	ISM
Signal	IEEE 802.11n
Frequency	2422
SAR 10g (W/Kg)	0.169
SAR 1g (W/Kg)	0.358
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	53.798184
ConvF	1.03
Relative permittivity	39.29
Conductivity (S/m)	1.76

Maximum location: X=5.00, Y=1.00 ; SAR Peak: 0.66 W/kg

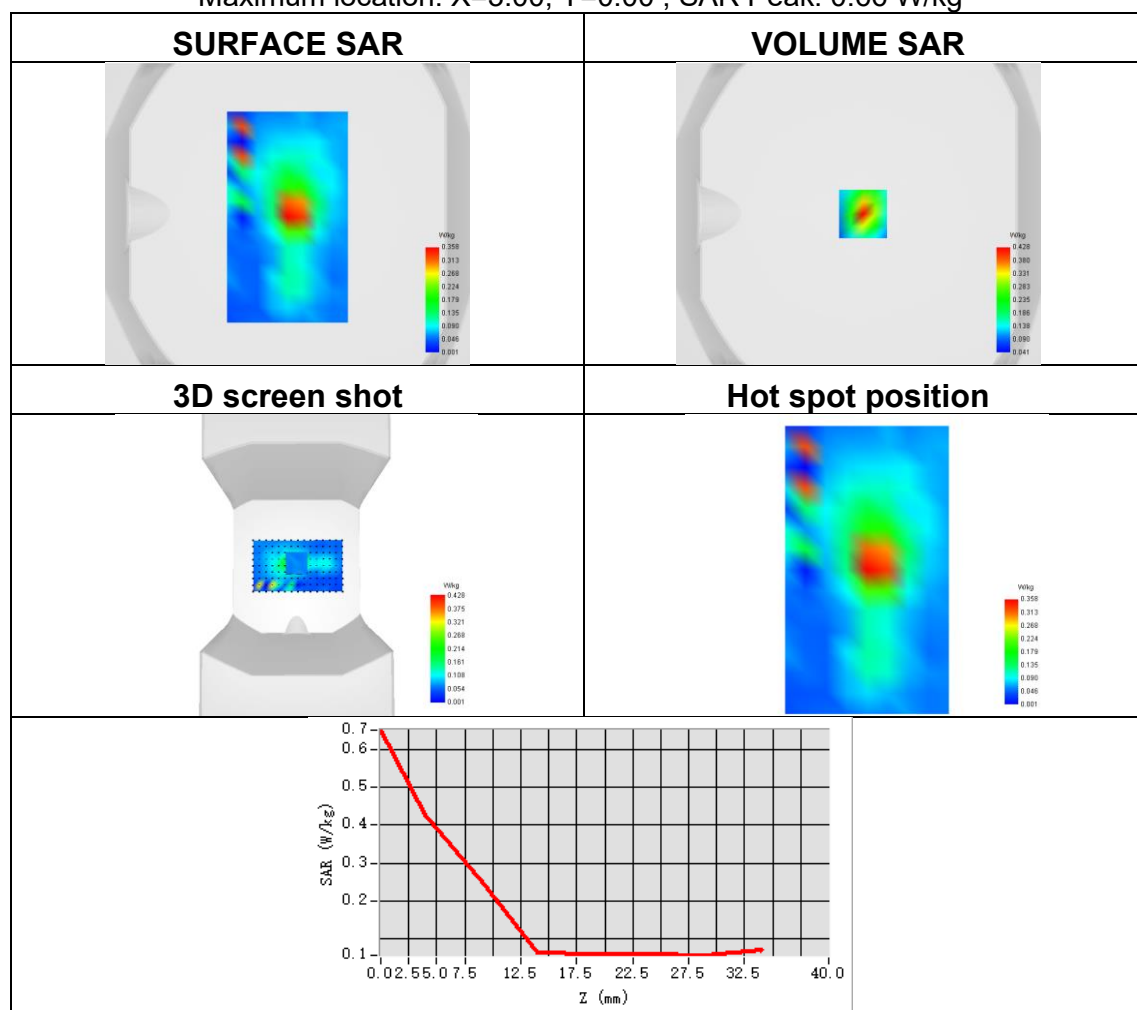




Plot 4:

Test Date	2026-06-08
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Side
Band	ISM
Signal	IEEE802.11n
Frequency	2422
SAR 10g (W/Kg)	0.171
SAR 1g (W/Kg)	0.368
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	58.462275
ConvF	1.03
Relative permittivity	39.29
Conductivity (S/m)	1.76

Maximum location: X=3.00, Y=0.00 ; SAR Peak: 0.66 W/kg

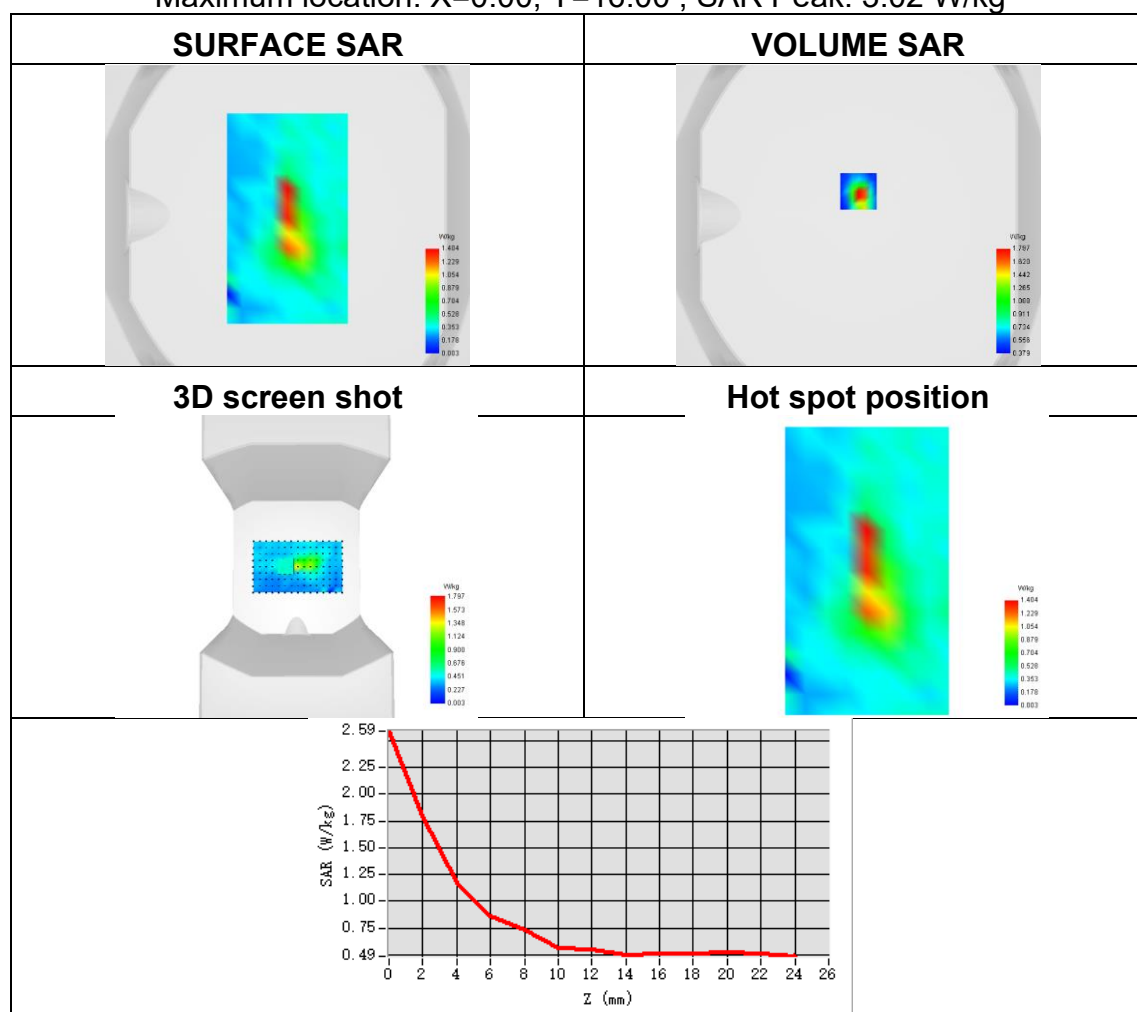




Plot 5:

Test Date	2026-06-07
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Left Side
Band	U-NII-1
Signal	IEEE 802.11a
Frequency	5240
SAR 10g (W/Kg)	0.599
SAR 1g (W/Kg)	1.142
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	65.363384
ConvF	1.08
Relative permittivity	35.86
Conductivity (S/m)	4.76

Maximum location: X=0.00, Y=16.00 ; SAR Peak: 3.02 W/kg

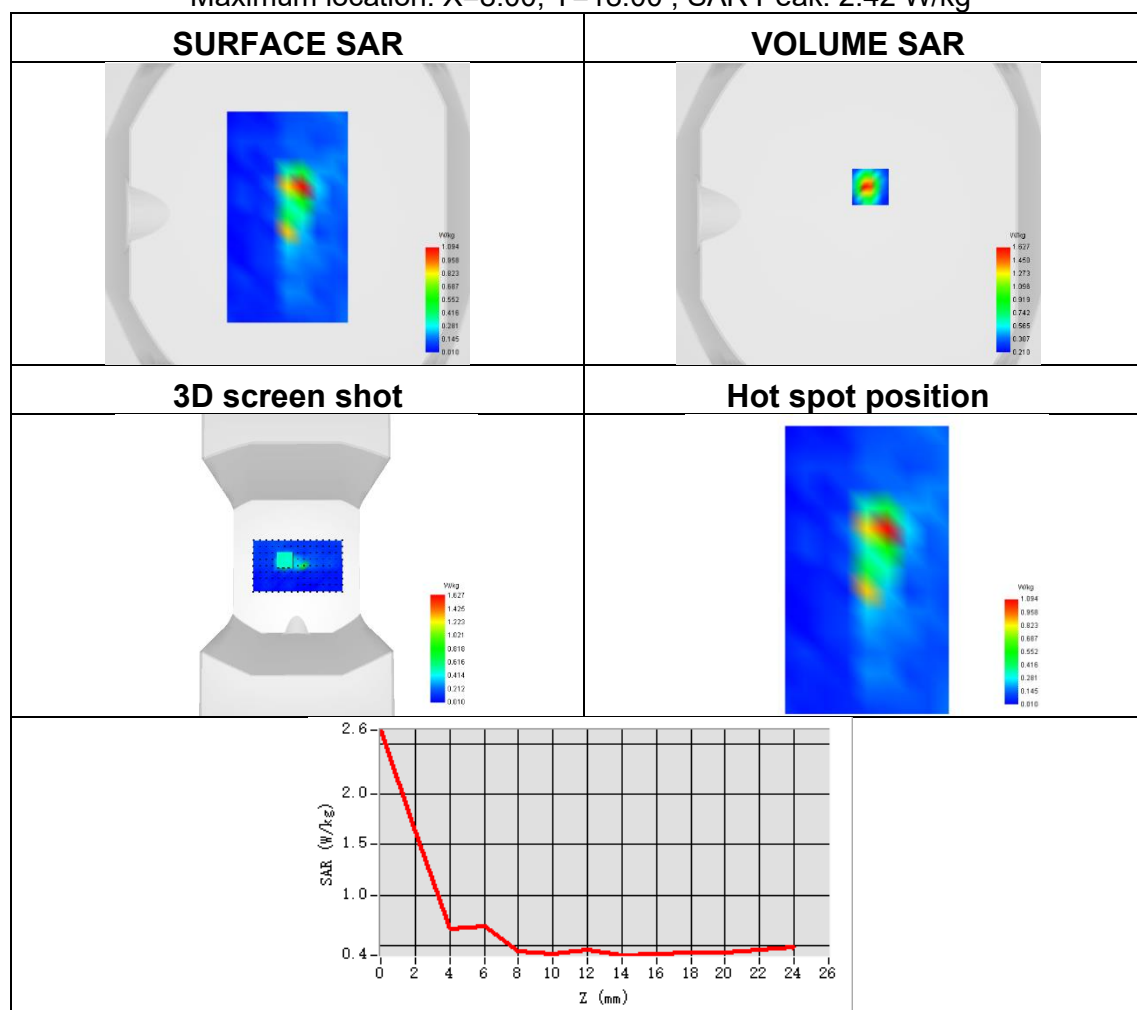




Plot 6:

Test Date	2026-06-07
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Right Side
Band	U-NII-1
Signal	IEEE 802.11a
Frequency	5180
SAR 10g (W/Kg)	0.460
SAR 1g (W/Kg)	0.944
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	64.629038
ConvF	1.08
Relative permittivity	35.99
Conductivity (S/m)	4.63

Maximum location: X=8.00, Y=18.00 ; SAR Peak: 2.42 W/kg

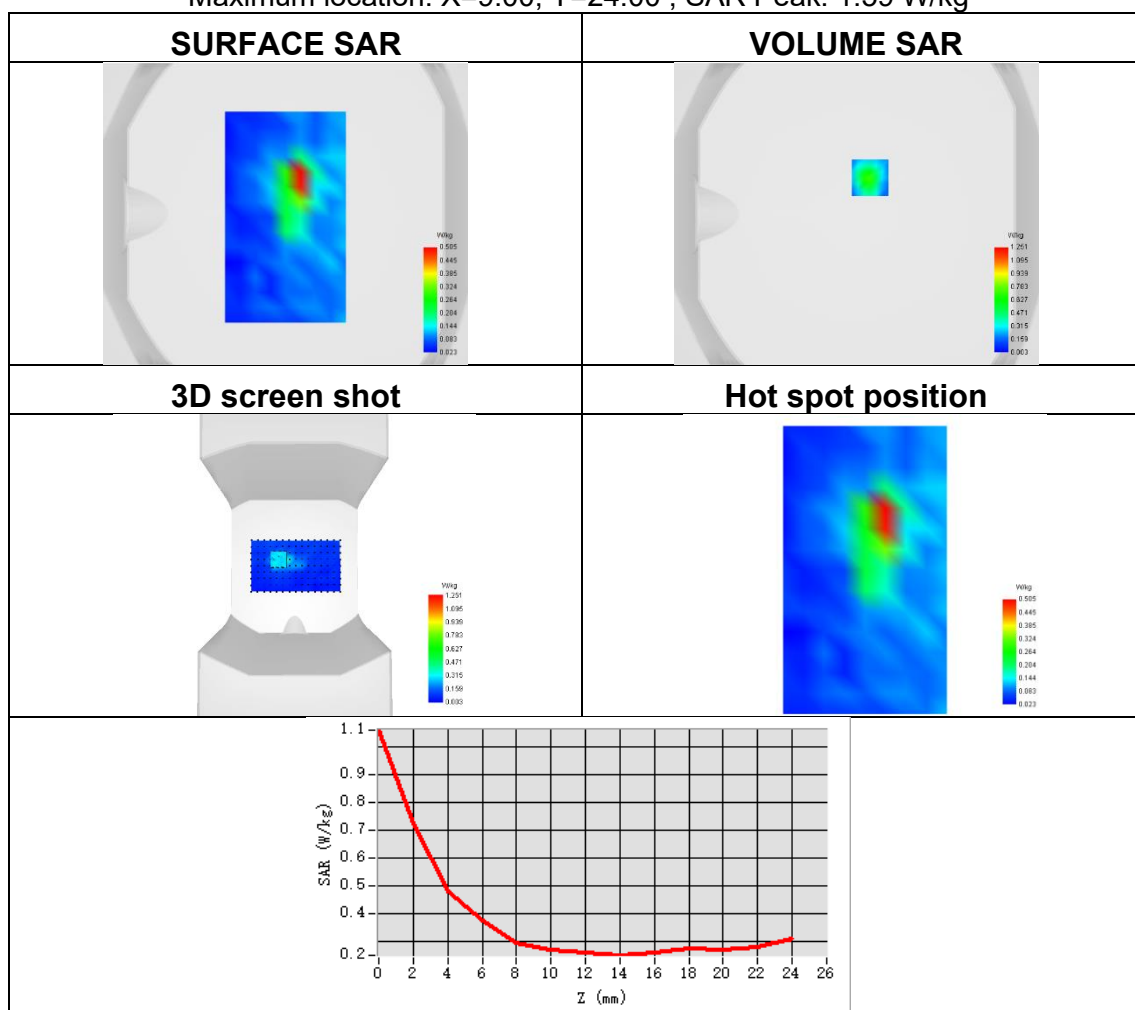




Plot 7:

Test Date	2026-06-07
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Right Side
Band	U-NII-1
Signal	IEEE 802.11ax
Frequency	5240
SAR 10g (W/Kg)	0.225
SAR 1g (W/Kg)	0.444
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	66.476927
ConvF	1.08
Relative permittivity	35.86
Conductivity (S/m)	4.76

Maximum location: X=9.00, Y=24.00 ; SAR Peak: 1.59 W/kg

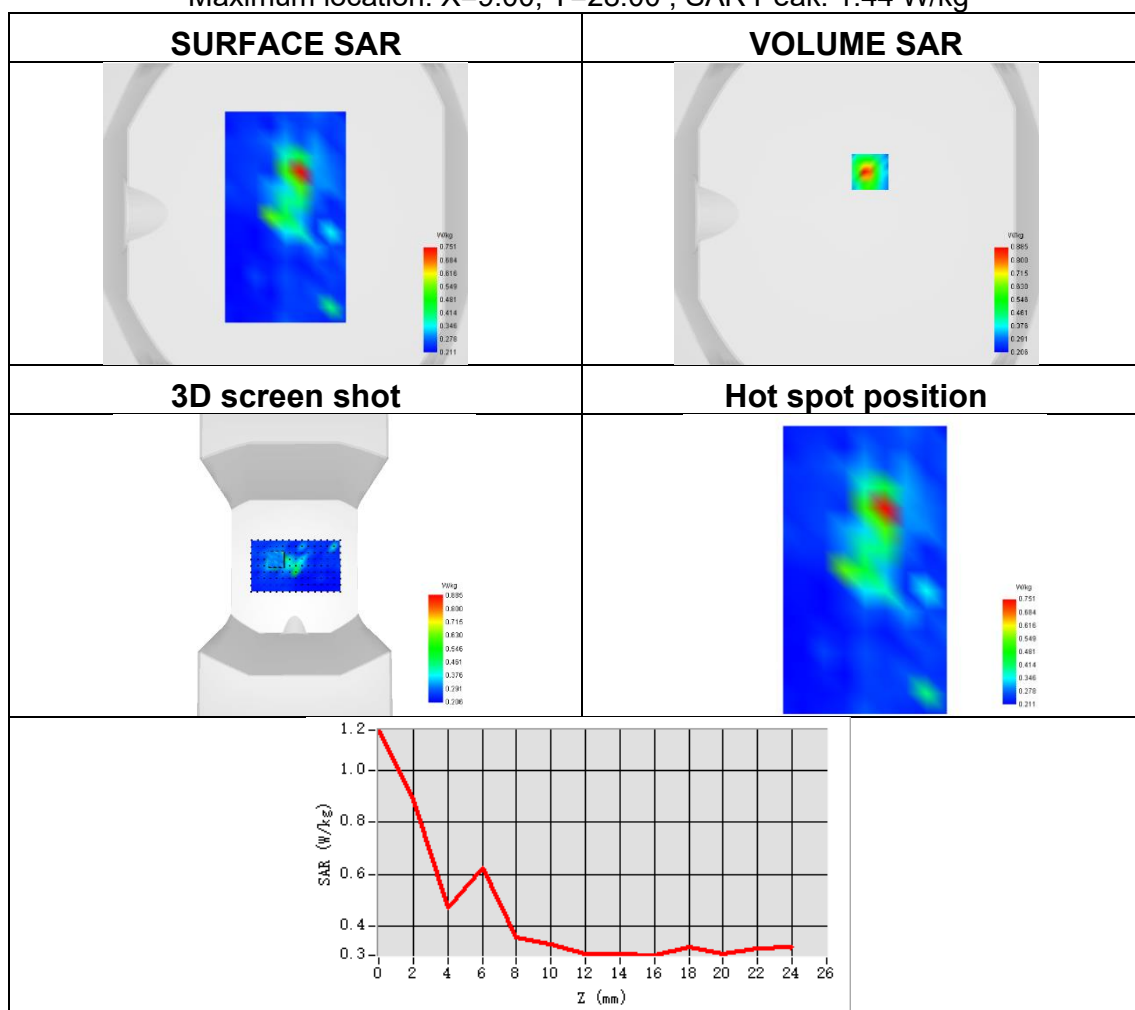




Plot 8:

Test Date	2026-06-07
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Right Side
Band	U-NII-1
Signal	IEEE 802.11ax
Frequency	5240
SAR 10g (W/Kg)	0.308
SAR 1g (W/Kg)	0.596
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	69.126519
ConvF	1.08
Relative permittivity	35.86
Conductivity (S/m)	4.76

Maximum location: X=9.00, Y=28.00 ; SAR Peak: 1.44 W/kg

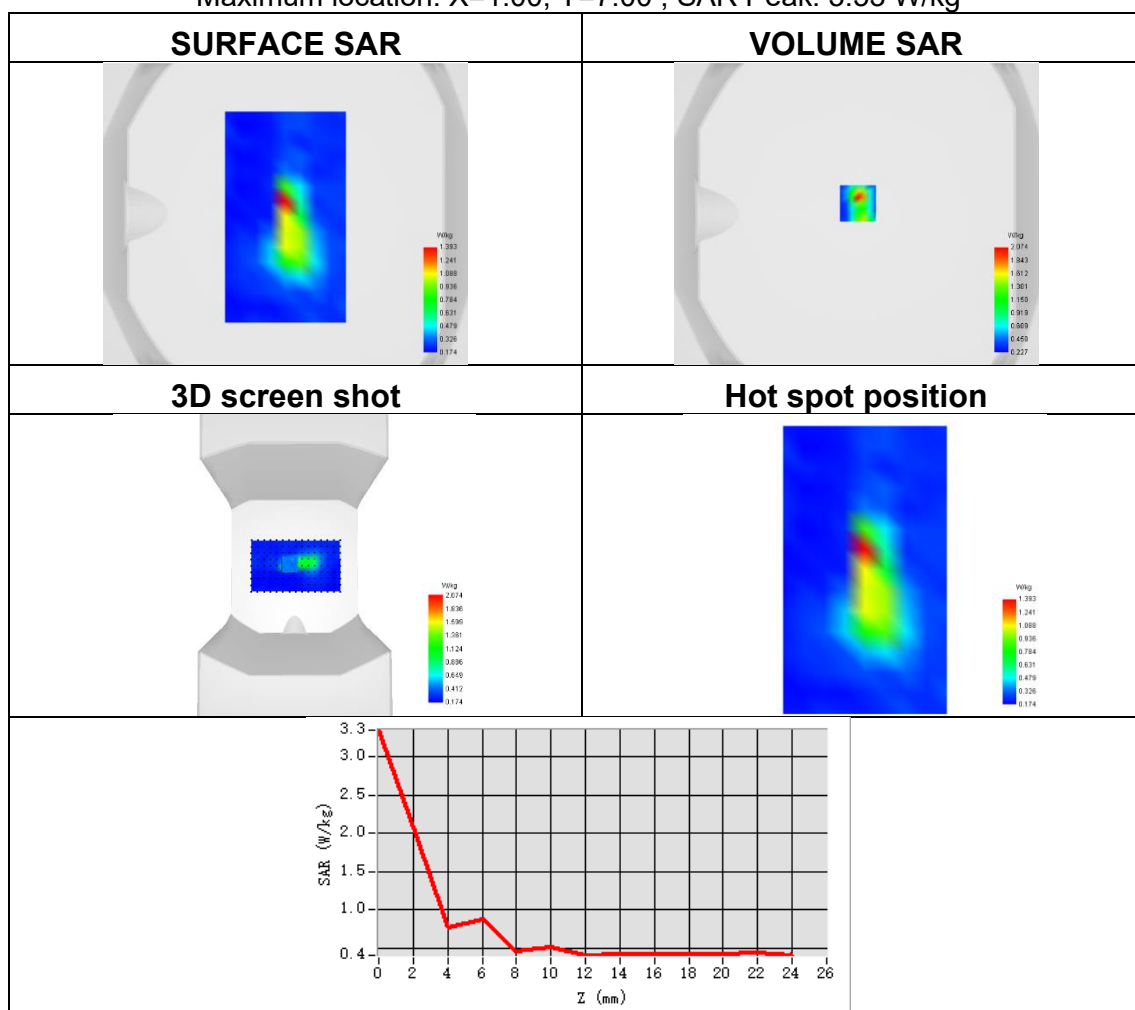




Plot 9:

Test Date	2026-06-05
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Left Side
Band	U-NII-2A
Signal	IEEE 802.11a
Frequency	5320
SAR 10g (W/Kg)	0.430
SAR 1g (W/Kg)	1.111
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	59.472244
ConvF	1.16
Relative permittivity	37.11
Conductivity (S/m)	4.84

Maximum location: X=1.00, Y=7.00 ; SAR Peak: 3.53 W/kg

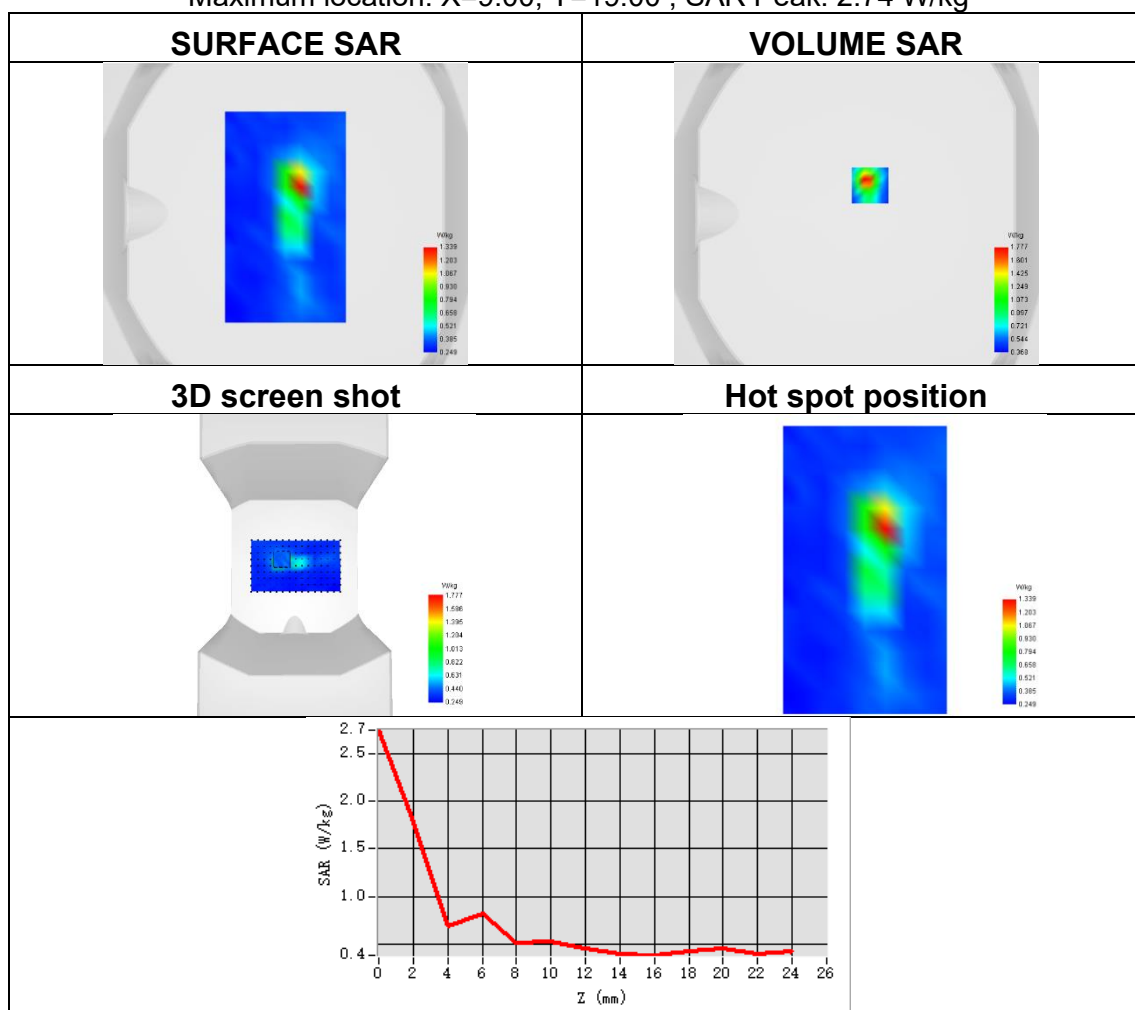




Plot 10:

Test Date	2026-06-05
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Right Side
Band	U-NII-2A
Signal	IEEE 802.11a
Frequency	5320
SAR 10g (W/Kg)	0.528
SAR 1g (W/Kg)	1.098
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	67.813741
ConvF	1.16
Relative permittivity	37.11
Conductivity (S/m)	4.84

Maximum location: X=9.00, Y=19.00 ; SAR Peak: 2.74 W/kg

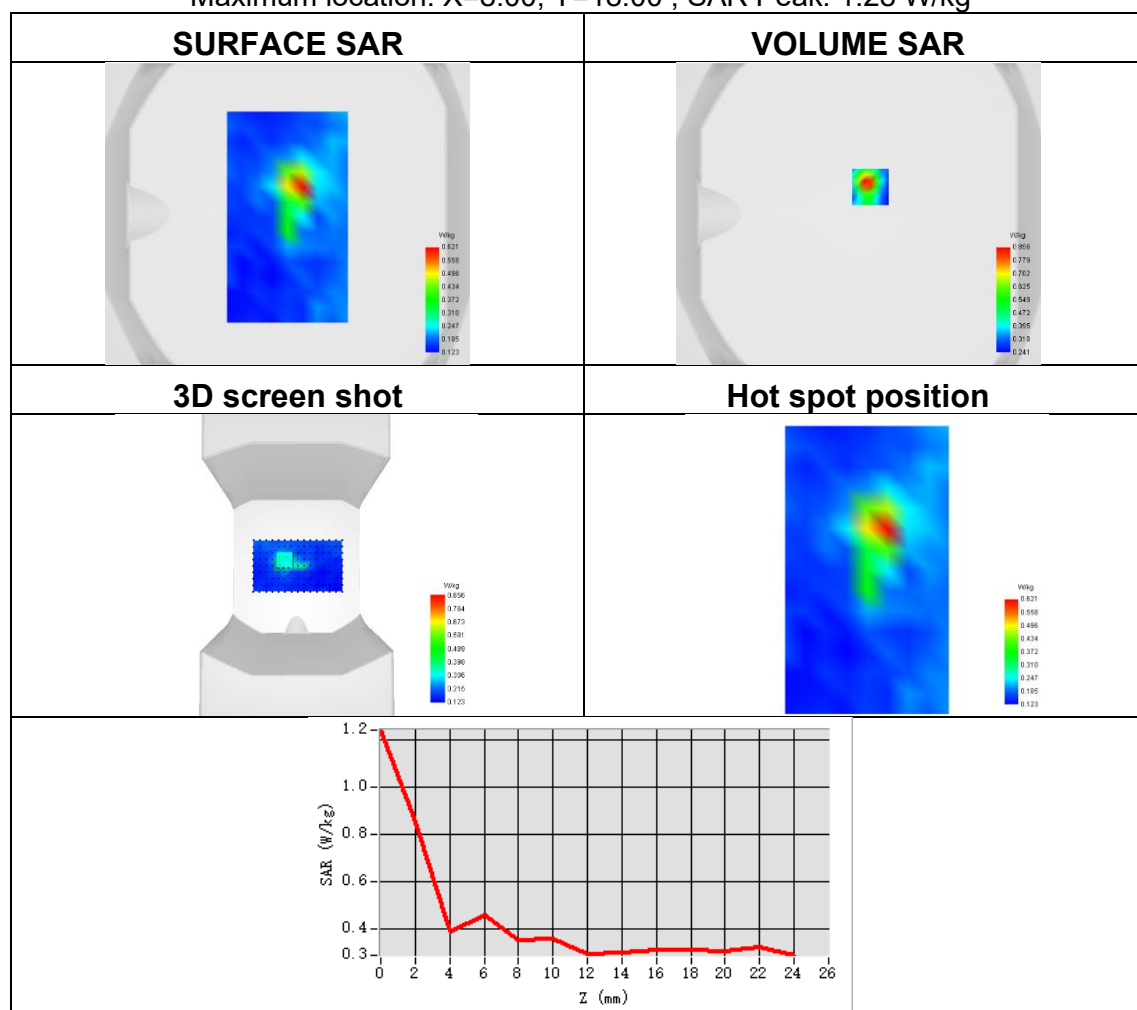




Plot 11:

Test Date	2026-06-05
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Right Side
Band	U-NII-2A
Signal	IEEE 802.11ax
Frequency	5320
SAR 10g (W/Kg)	0.333
SAR 1g (W/Kg)	0.578
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	72.240129
ConvF	1.16
Relative permittivity	37.11
Conductivity (S/m)	4.84

Maximum location: X=8.00, Y=18.00 ; SAR Peak: 1.28 W/kg

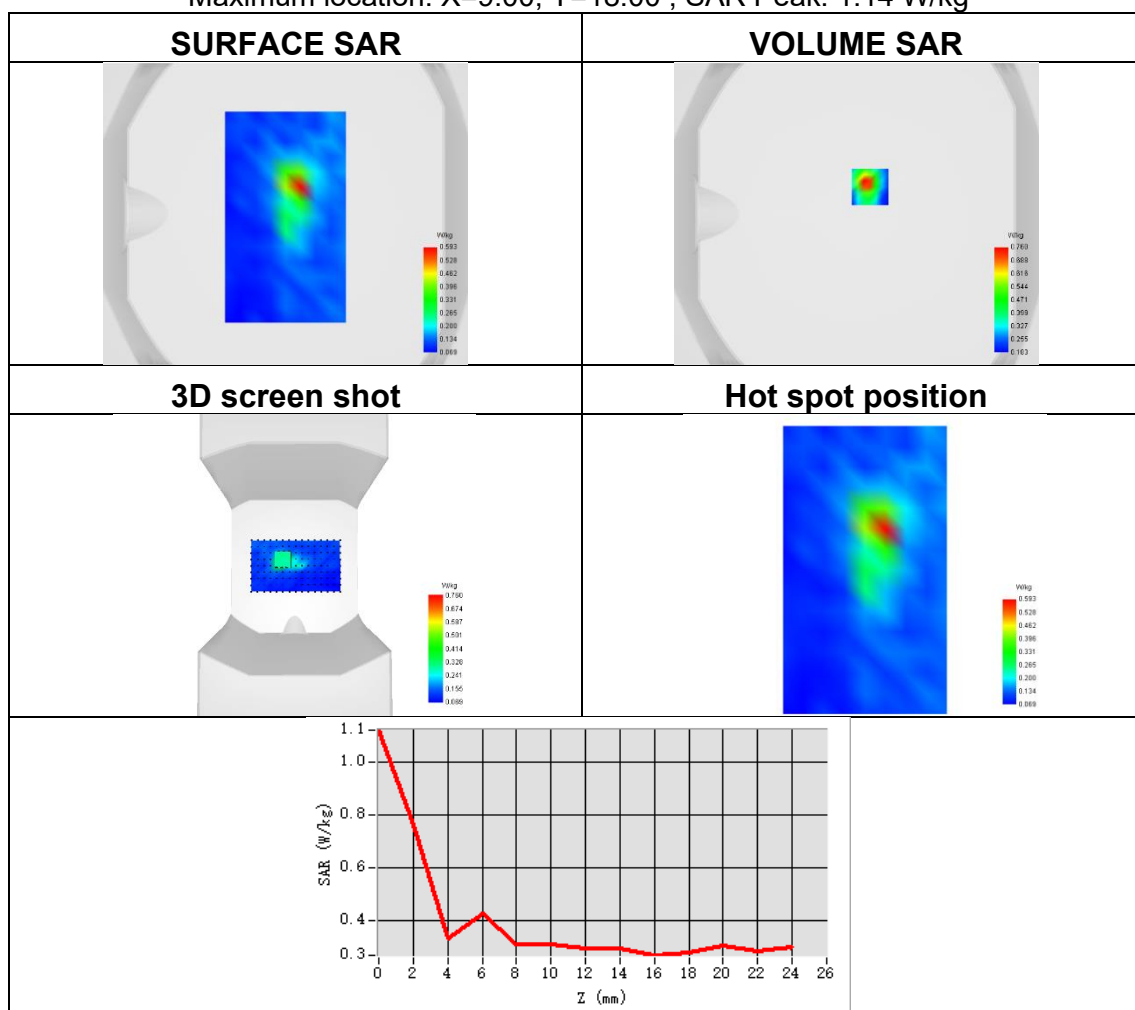




Plot 12:

Test Date	2026-06-05
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Right Side
Band	U-NII-2A
Signal	IEEE 802.11ax
Frequency	5320
SAR 10g (W/Kg)	0.287
SAR 1g (W/Kg)	0.525
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	69.449826
ConvF	1.16
Relative permittivity	37.11
Conductivity (S/m)	4.84

Maximum location: X=9.00, Y=18.00 ; SAR Peak: 1.14 W/kg

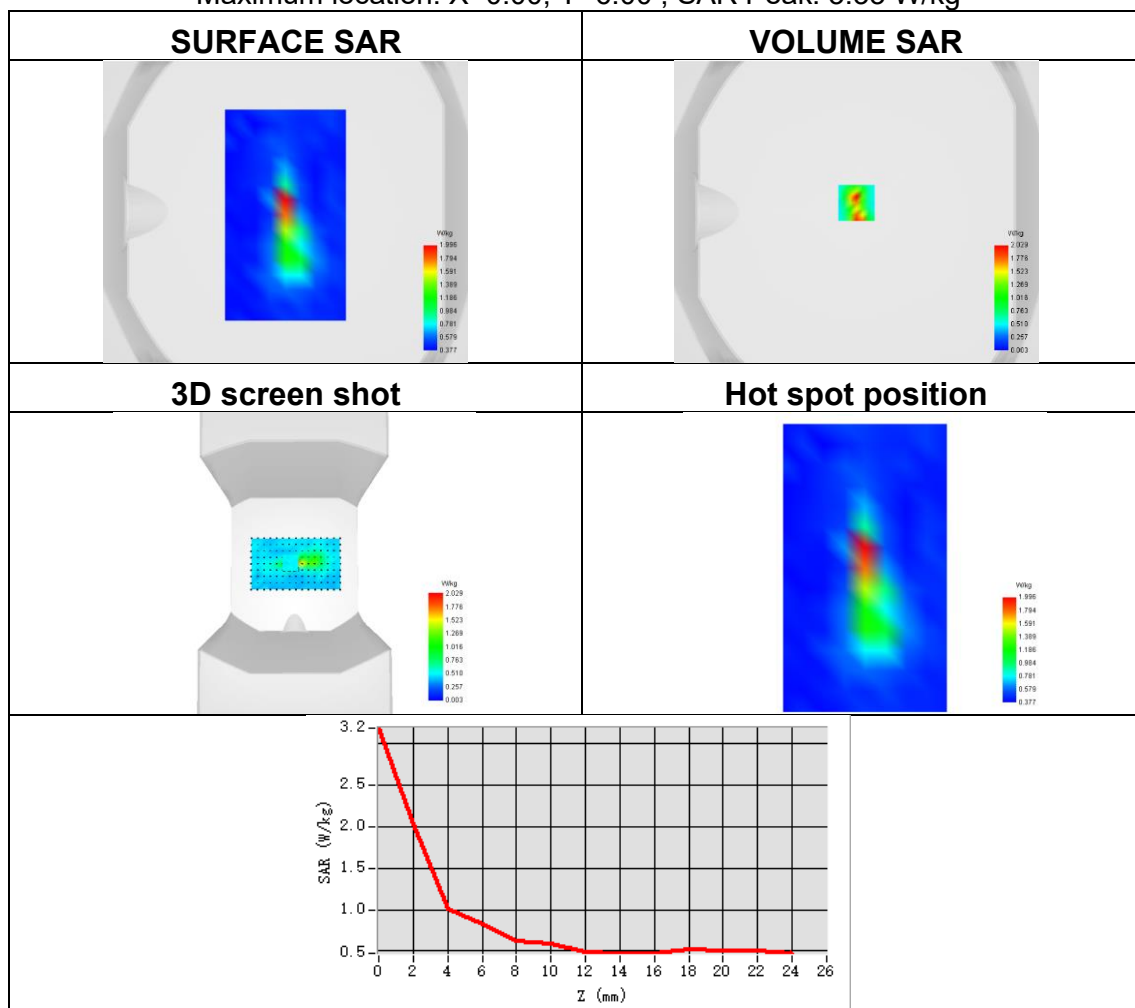




Plot 13:

Test Date	2026-06-04
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Left Side
Band	U-NII-2C
Signal	IEEE 802.11a
Frequency	5700
SAR 10g (W/Kg)	0.501
SAR 1g (W/Kg)	1.105
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	63.135600
ConvF	1.07
Relative permittivity	35.65
Conductivity (S/m)	5.20

Maximum location: X=0.00, Y=6.00 ; SAR Peak: 3.33 W/kg

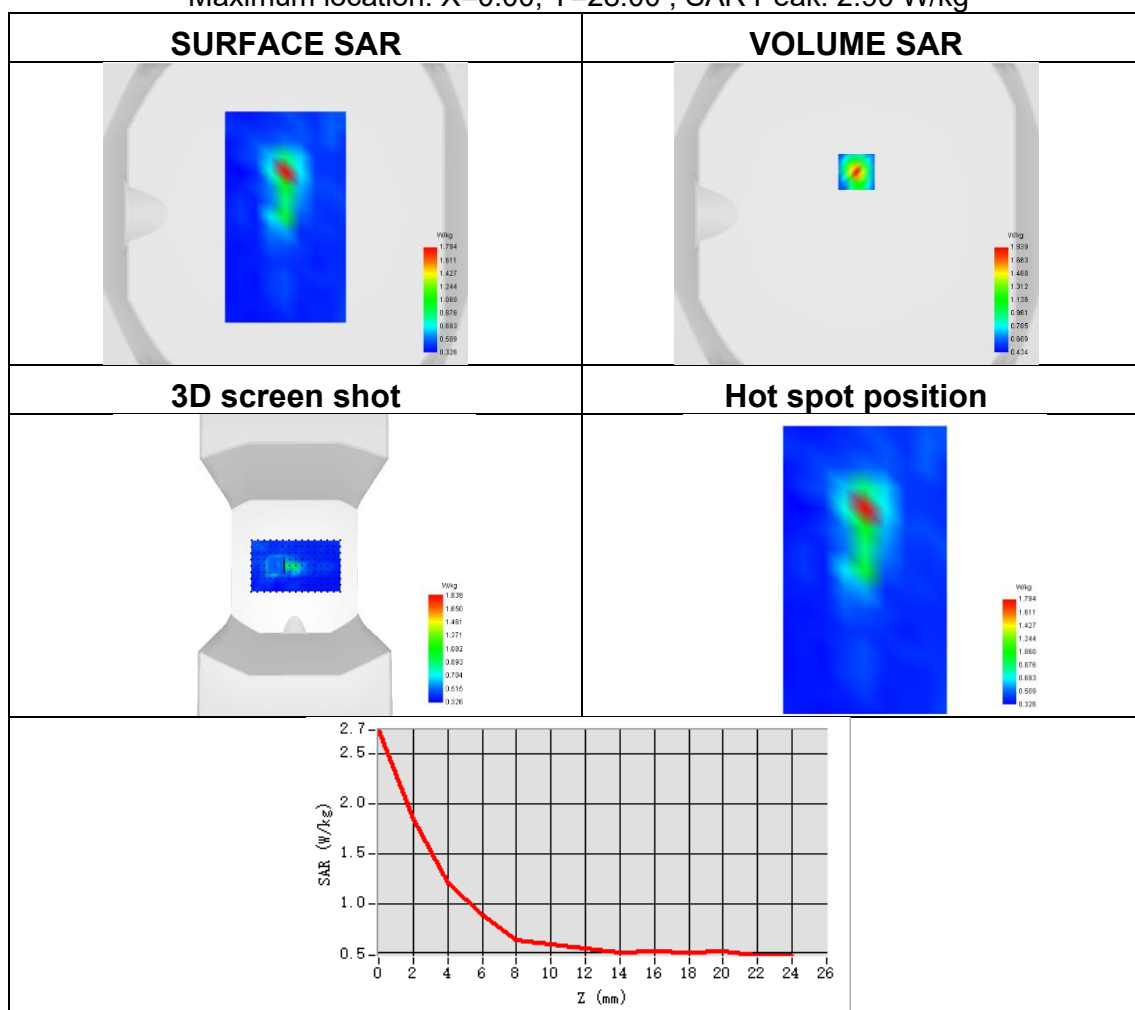




Plot 14:

Test Date	2026-06-04
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Right Side
Band	U-NII-2C
Signal	IEEE 802.11a
Frequency	5700
SAR 10g (W/Kg)	0.617
SAR 1g (W/Kg)	1.124
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	65.125988
ConvF	1.07
Relative permittivity	35.65
Conductivity (S/m)	5.20

Maximum location: X=0.00, Y=28.00 ; SAR Peak: 2.90 W/kg

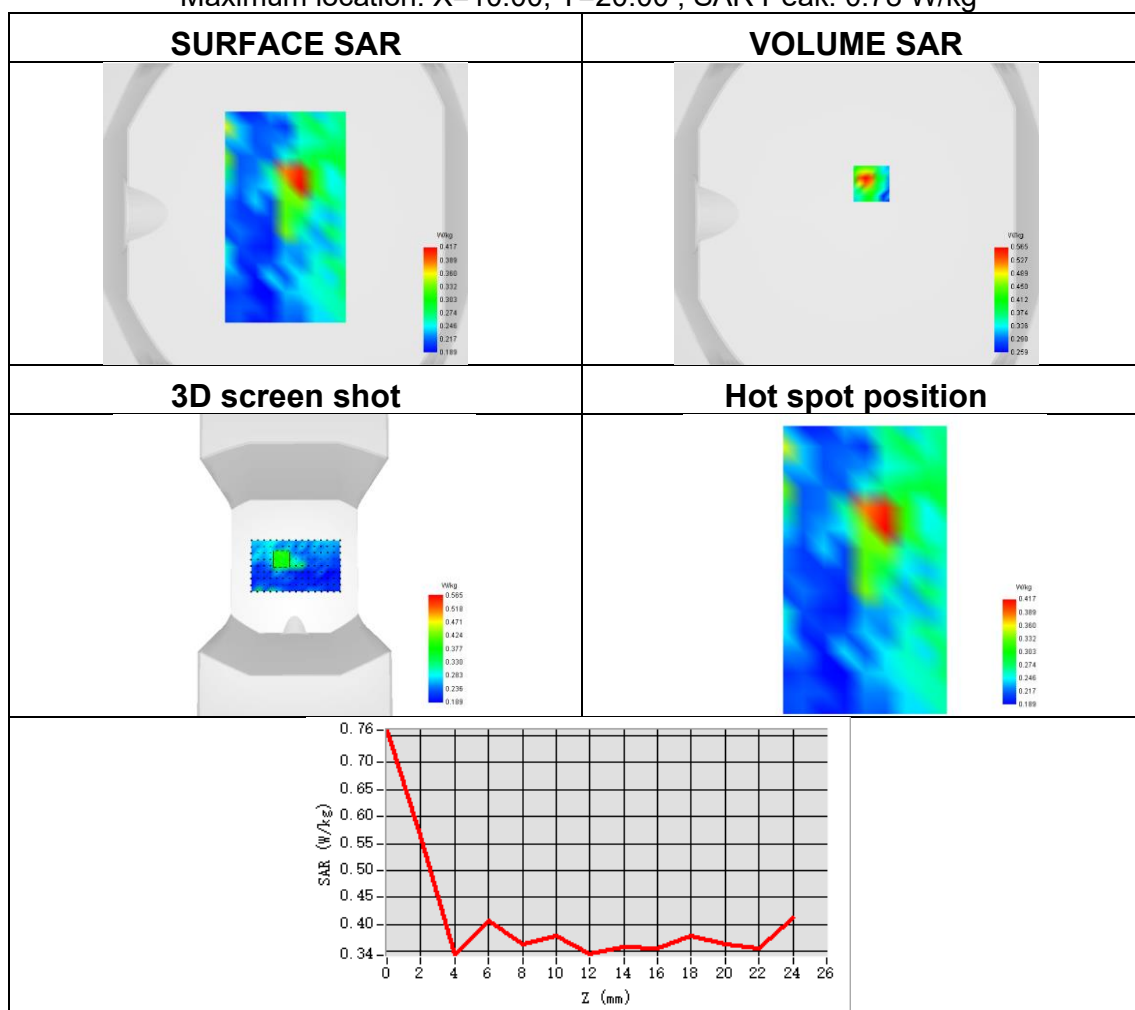




Plot 15:

Test Date	2026-06-04
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Right Side
Band	U-NII-2C
Signal	IEEE 802.11ax
Frequency	5700
SAR 10g (W/Kg)	0.269
SAR 1g (W/Kg)	0.453
Horizontal validation criteria: minimum distance (mm)	16.970563
Vertical validation criteria: SAR ratio M2/M1 (%)	82.562771
ConvF	1.07
Relative permittivity	35.65
Conductivity (S/m)	5.20

Maximum location: X=10.00, Y=20.00 ; SAR Peak: 0.78 W/kg

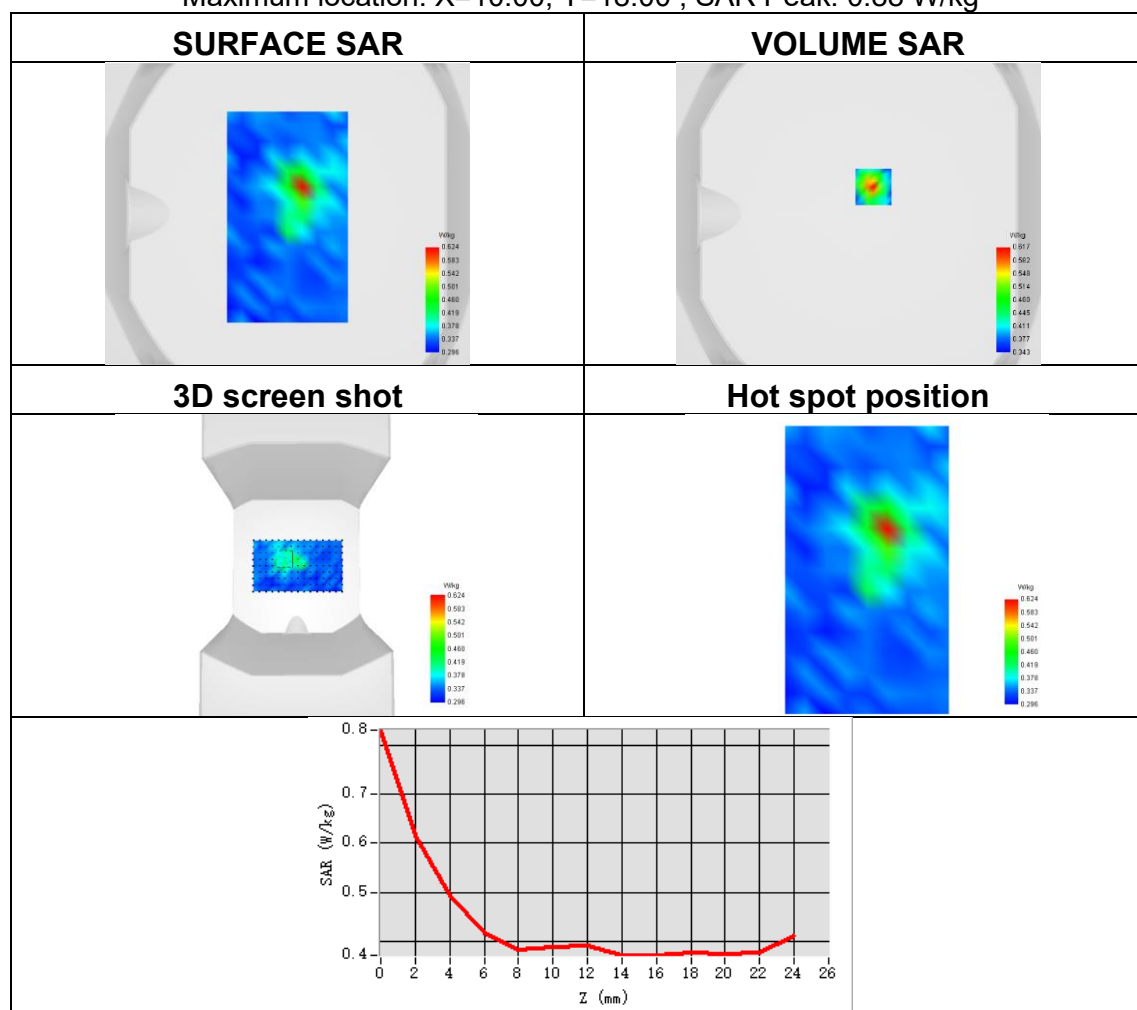




Plot 16:

Test Date	2026-06-04
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Right Side
Band	U-NII-2C
Signal	IEEE 802.11ax
Frequency	5700
SAR 10g (W/Kg)	0.353
SAR 1g (W/Kg)	0.498
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	80.150465
ConvF	1.07
Relative permittivity	35.65
Conductivity (S/m)	5.20

Maximum location: X=10.00, Y=18.00 ; SAR Peak: 0.88 W/kg

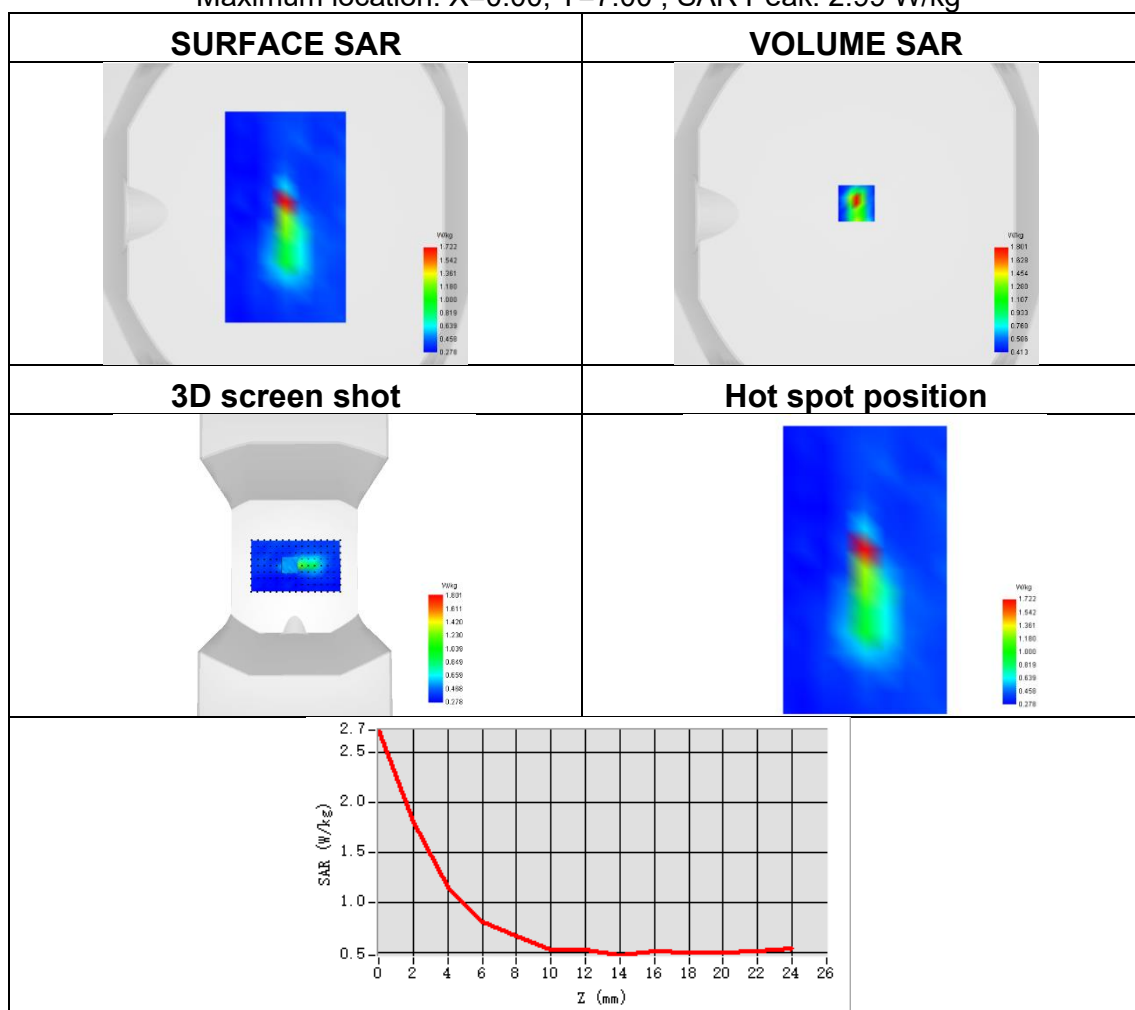




Plot 17:

Test Date	2026-06-02
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Left Side
Band	U-NII-3
Signal	IEEE 802.11a
Frequency	5745
SAR 10g (W/Kg)	0.526
SAR 1g (W/Kg)	1.069
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	64.288024
ConvF	1.19
Relative permittivity	36.15
Conductivity (S/m)	5.28

Maximum location: X=0.00, Y=7.00 ; SAR Peak: 2.99 W/kg

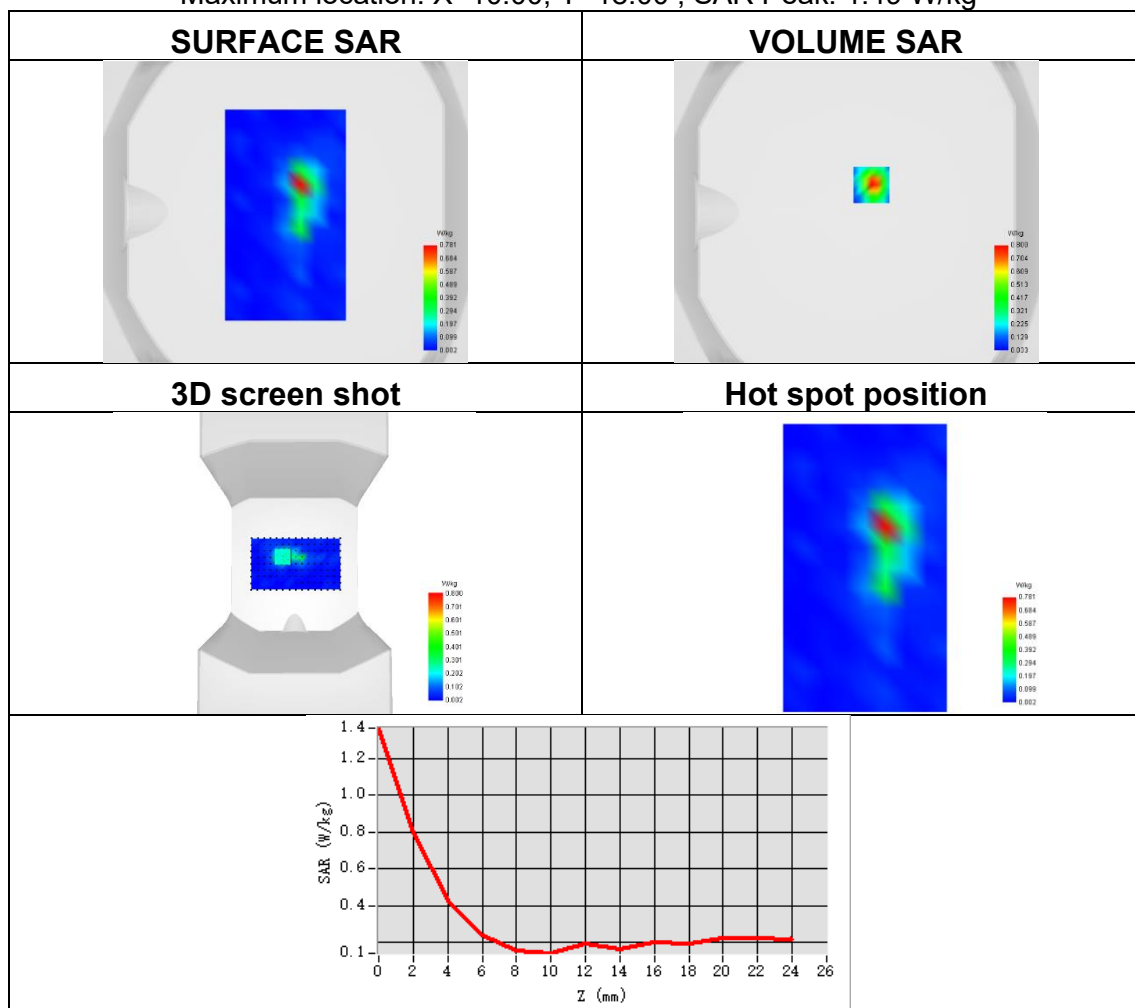




Plot 18:

Test Date	2026-06-02
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Right Side
Band	U-NII-3
Signal	IEEE 802.11a
Frequency	5785
SAR 10g (W/Kg)	0.218
SAR 1g (W/Kg)	0.464
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	53.973755
ConvF	1.19
Relative permittivity	35.21
Conductivity (S/m)	5.29

Maximum location: X=10.00, Y=18.00 ; SAR Peak: 1.49 W/kg

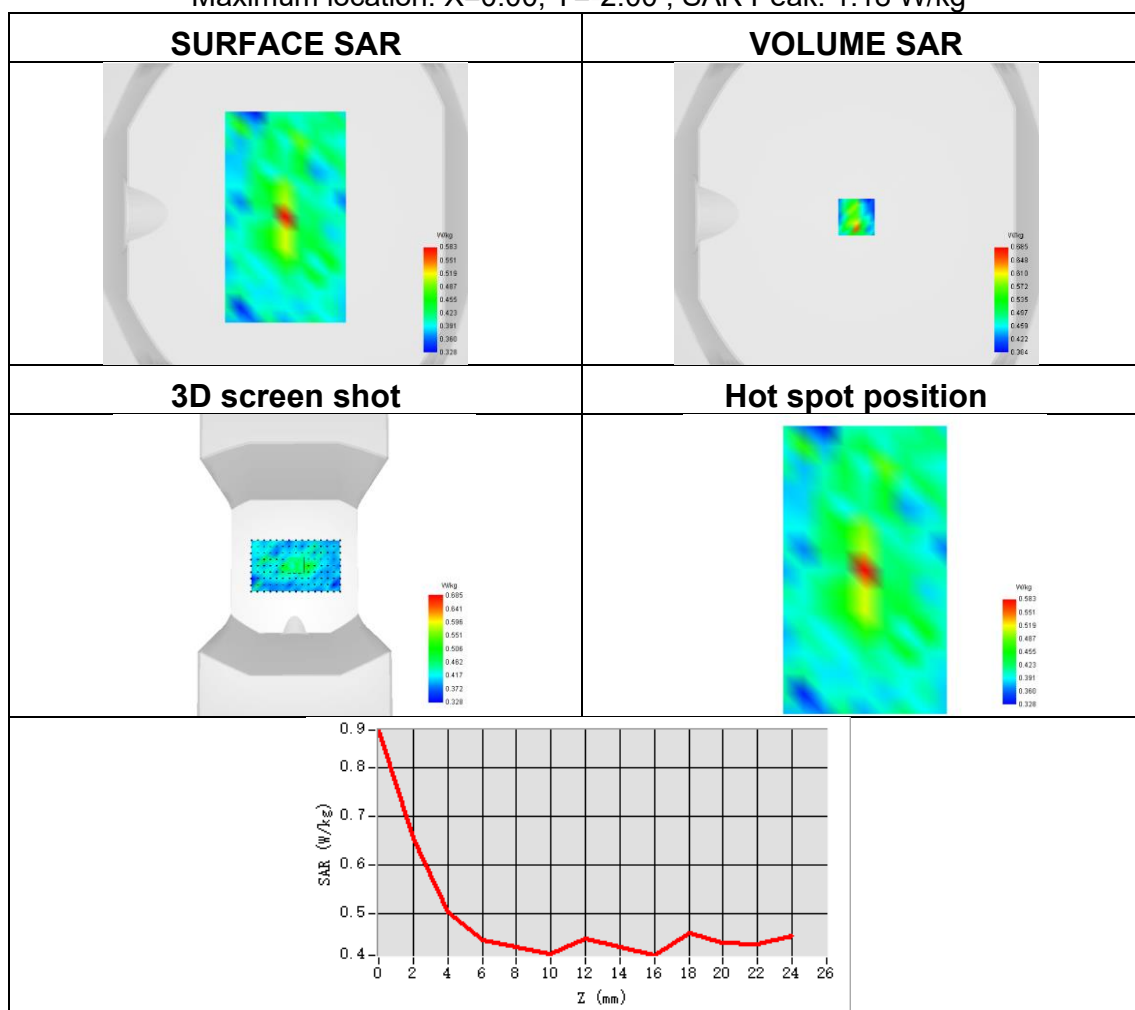




Plot 19:

Test Date	2026-06-02
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Left Side
Band	U-NII-3
Signal	IEEE 802.11ax
Frequency	5785
SAR 10g (W/Kg)	0.327
SAR 1g (W/Kg)	0.523
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	69.000547
ConvF	1.19
Relative permittivity	35.21
Conductivity (S/m)	5.29

Maximum location: X=0.00, Y=-2.00 ; SAR Peak: 1.18 W/kg

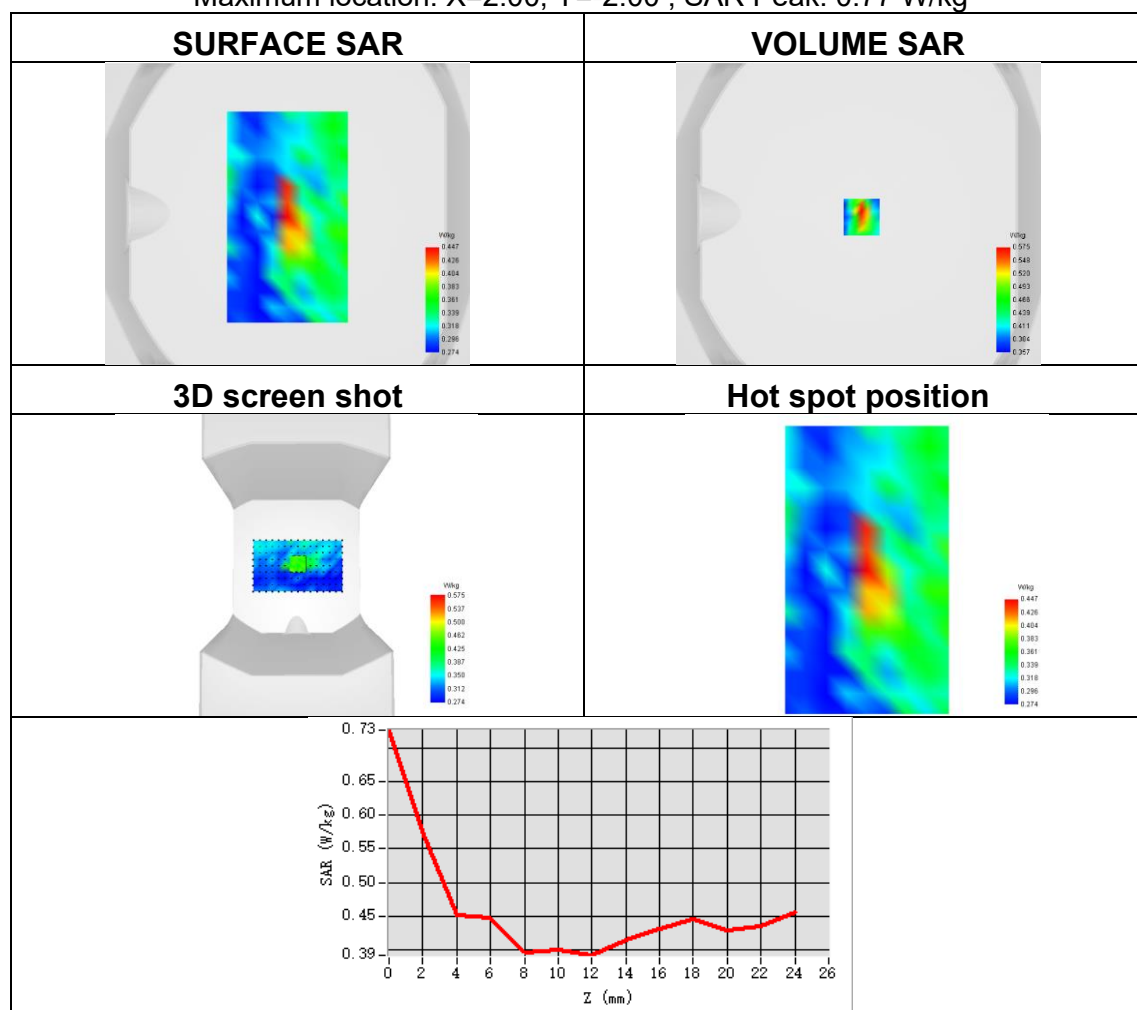




Plot 20:

Test Date	2026-06-02
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Left Side
Band	U-NII-3
Signal	IEEE 802.11ax
Frequency	5785
SAR 10g (W/Kg)	0.330
SAR 1g (W/Kg)	0.475
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	86.343108
ConvF	1.19
Relative permittivity	35.21
Conductivity (S/m)	5.29

Maximum location: X=2.00, Y=-2.00 ; SAR Peak: 0.77 W/kg

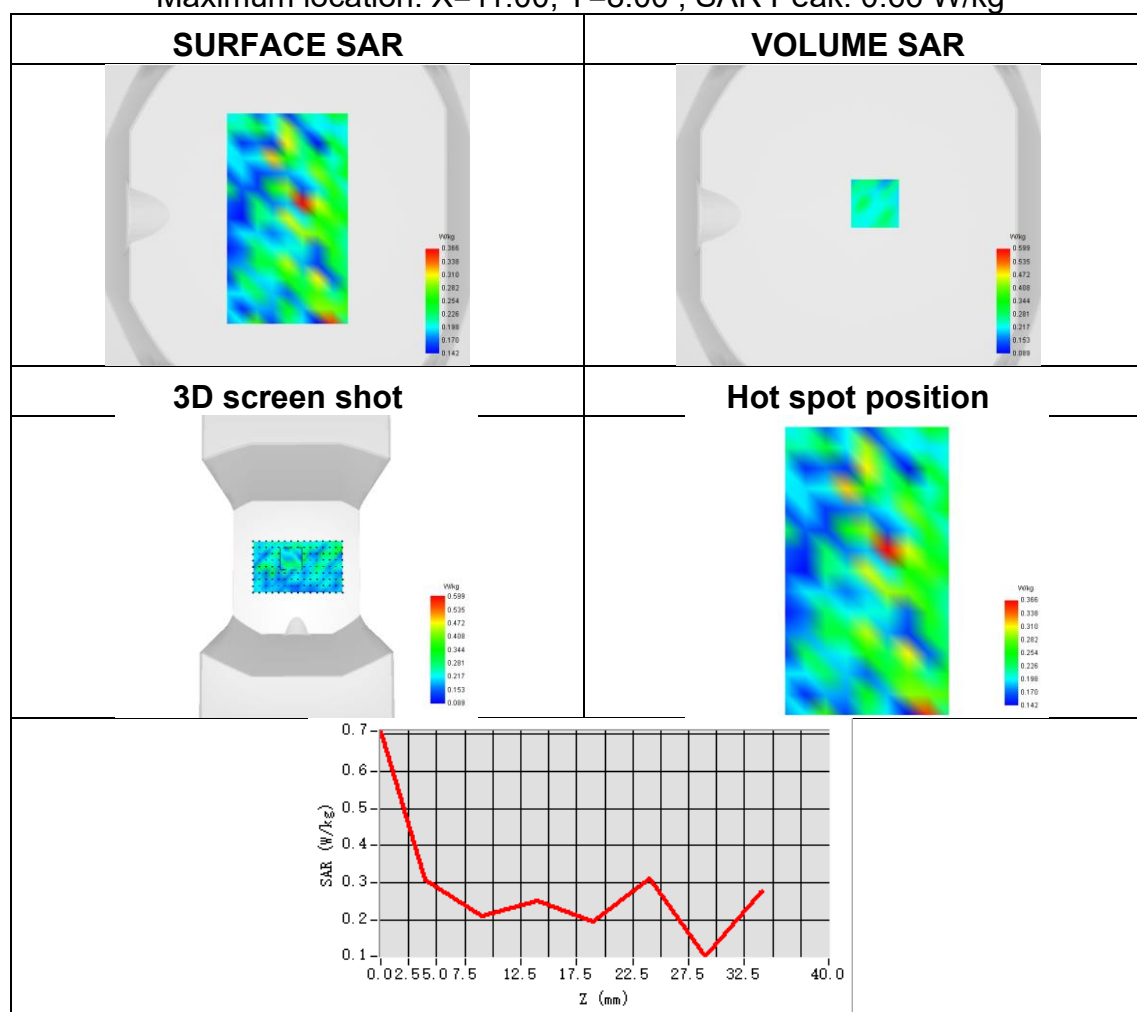




Plot 21:

Test Date	2026-06-06
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Left Side
Band	Bluetooth
Signal	Bluetooth
Frequency	2441
SAR 10g (W/Kg)	0.185
SAR 1g (W/Kg)	0.294
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	80.061401
ConvF	1.03
Relative permittivity	39.93
Conductivity (S/m)	1.79

Maximum location: X=11.00, Y=8.00 ; SAR Peak: 0.66 W/kg





Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※※END OF THE REPORT※※※※※