



SAR TEST REPORT

Product Name: Screen-sharing Pod

Model Name: CP20, CA200

FCC ID: 2BCUQ-CP20

Issued For : Fanvil Link Technology Co.,LTD

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Report Number: LGT25G068HA02

Sample Received Date: July 05, 2025

Date of Test July 13, 2025 ~ July 17, 2025

Date of Issue Aug. 14, 2025

Max. SAR (1g) Body:1.450 W/kg

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Revision History

Rev.	Issue Date	Contents
00	Aug. 14, 2025	Initial Issue



TEST REPORT CERTIFICATION

Applicant Fanvil Link Technology Co.,LTD
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Manufacture Fanvil Link Technology Co.,LTD
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Product Name Screen-sharing Pod

Trademark 

Model Name CP20

Sample number LGT2507075

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	Screen-sharing Pod	
Trademark		
Model Name	CP20	
Series Model	CA200	
Model Difference	Only differences in model	
Device Category	Portable	
Product stage	Production unit	
RF Exposure Environment	General Population / Uncontrolled	
Hardware Version	AVSC1.1126.A-4-V1	
Software Version	N/A	
Frequency Range	WLAN 802.11n40: 2422 MHz ~ 2452 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5150 ~ 5250 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5250 ~ 5350 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5470 ~ 5725 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5725 ~ 5850 MHz	
Max. Reported SAR(1g): (Limit:1.6W/kg) Test distance: Body:5mm	Mode	Body Worn (W/kg)
	5.2GHz WLAN ANT 1	0.850
	5.2GHz WLAN ANT 2	0.600
	5.2GHz WLAN MIMO	1.450
	5.3GHz WLAN ANT 1	0.531
	5.3GHz WLAN ANT 2	0.540
	5.3GHz WLAN MIMO	1.071
	5.6GHz WLAN ANT 1	0.576
	5.6GHz WLAN ANT 2	0.863
	5.6GHz WLAN MIMO	1.430
	5.8GHz WLAN ANT 1	0.609
	5.8GHz WLAN ANT 2	0.567
	5.8GHz WLAN MIMO	1.176
Operating Mode:	802.11g(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11n(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 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	
Antenna Specification	WLAN: Chip Antenna	
Operating Mode	Maximum continuous output	
Hotspot Mode	Not Support	
DTM Mode	Not Support	



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
	A2LA Certificate No.: 6727.01
	IC Registration No.: 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 648474 D04 v01r03	SAR Evaluation Considerations for Wireless Handsets
8	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

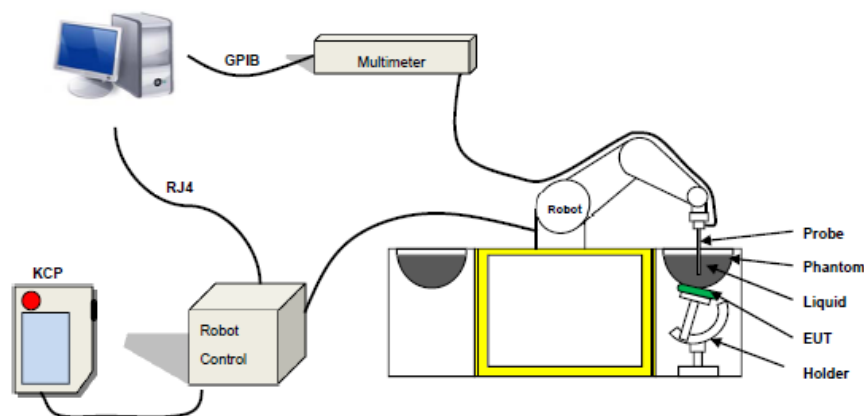
$$SAR = \frac{\sigma E^2}{\rho}$$

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 2225-EPGO-450 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.

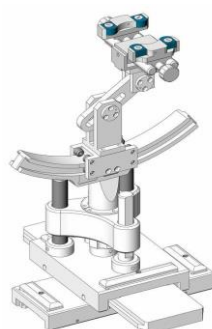


Figure-SN 06/22 SAM 148



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]					
2025-07-17	20.4	43	5200	20.1	Permittivity	36.00	36.80	2.22	±5
					Conductivity	4.66	4.61	-1.07	±5
2025-07-17	20.9	45	5400	20.6	Permittivity	35.80	36.22	1.17	±5
					Conductivity	4.86	4.85	-0.21	±5
2025-07-13	23.4	49	5600	21.1	Permittivity	35.55	36.60	2.95	±5
					Conductivity	5.07	5.11	0.89	±5
2025-07-13	23.6	58	5800	23.3	Permittivity	35.30	36.23	2.63	±5
					Conductivity	5.27	5.19	-1.52	±5

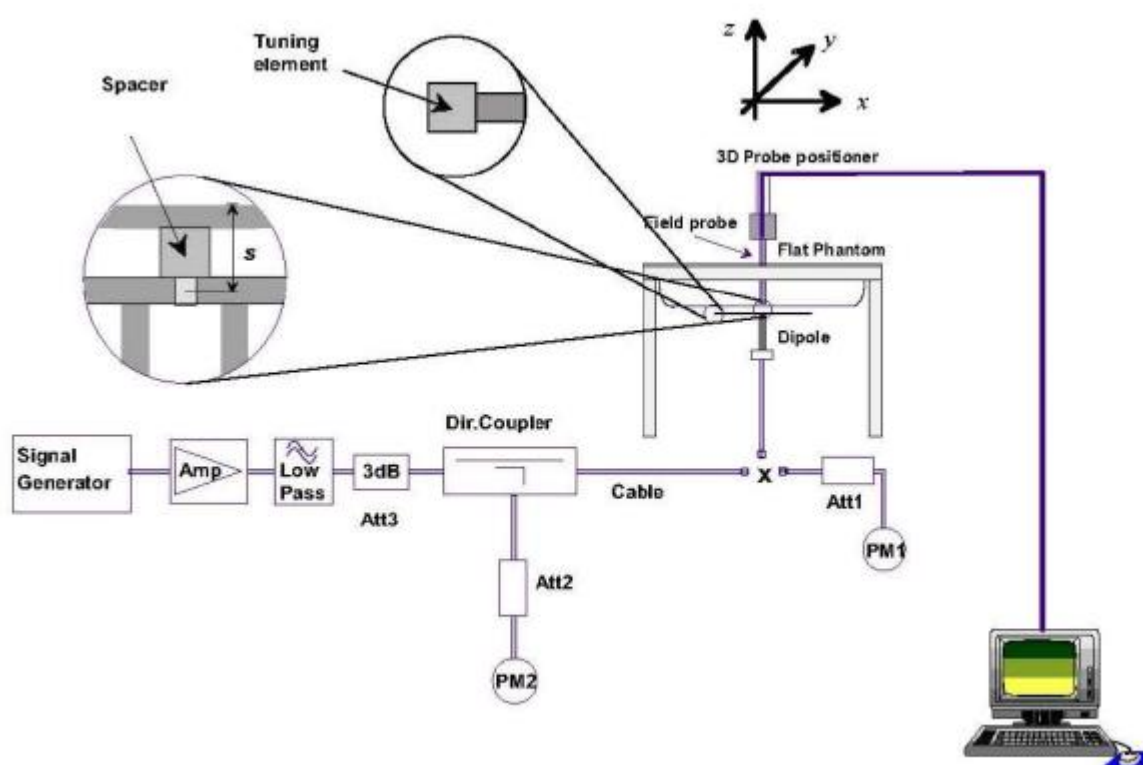


5. SAR System Validation

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	Tested Value	Normalized SAR	Target SAR	Tolerance	Limit
	(MHz)	(mW)	(W/Kg)	(W/kg)	1g(W/kg)	(%)	(%)
2025-07-17	5200	100	7.789	77.89	77.84	0.06	10
2025-07-17	5400	100	7.695	76.95	76.82	0.17	10
2025-07-13	5600	100	8.217	82.17	82.15	0.02	10
2025-07-13	5800	100	8.064	80.64	80.51	0.16	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.

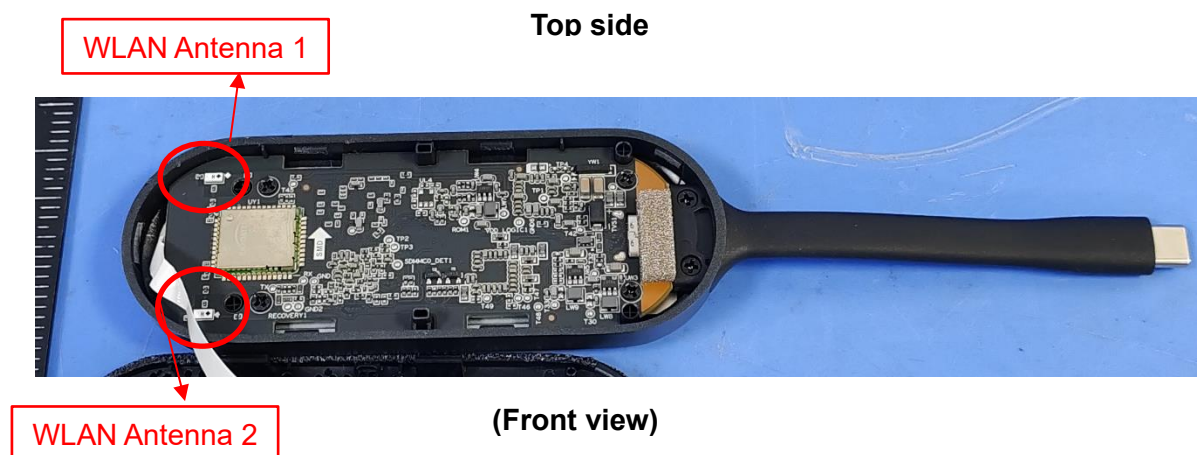
➤ Area Scan& Zoom Scan

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 Screen-sharing Pod, support WLAN mode.



Antenna Separation Distance(mm)					
ANT	Horizontal-UP	Horizontal-Down	Vertical-Back	Vertical-Front	Top Side
WLAN ANT 1	≤ 5	≤ 5	≤ 5	20	≤ 5
WLAN ANT 2	≤ 5	≤ 5	20	≤ 5	≤ 5

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



7.1 SAR test exclusion consider table

The WLAN/BT SAR evaluation of Maximum power (dBm) summing tolerance.

Exposure Position	Wireless Interface	5.2G WLAN ANT 1	5.2G WLAN ANT 2	5.3G WLAN ANT 1	5.3G WLAN ANT 2
	Calculated Frequency	5240	5240	5260	5260
	Maximum Turn-up power (dBm)	9	10.5	8.5	10
	Maximum rated power(mW)	7.94	11.22	7.08	10.00
Horizontal-UP	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	6.55	6.55	6.54	6.54
	Testing required?	YES	YES	YES	YES
Horizontal-Down	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	6.55	6.55	6.54	6.54
	Testing required?	YES	YES	YES	YES
Vertical-Back	Separation distance (mm)	5	20	5	20
	exclusion threshold(mW)	6.55	26.21	6.54	26.16
	Testing required?	YES	NO	YES	NO
Vertical-Front	Separation distance (mm)	20	5	20	5
	exclusion threshold(mW)	26.21	6.55	26.16	6.54
	Testing required?	NO	YES	NO	YES
Top Side	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	6.55	6.55	6.54	6.54
	Testing required?	YES	YES	YES	YES



Exposure Position	Wireless Interface	5.6G WLAN ANT 1	5.6G WLAN ANT 2	5.8G WLAN ANT 1	5.8G WLAN ANT 2
	Calculated Frequency	5580	5700	5825	5825
	Maximum Turn-up power (dBm)	10	13.7	7.5	13.2
	Maximum rated power(mW)	10.00	23.44	5.62	20.89
Horizontal-UP	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	6.35	6.28	6.22	6.22
	Testing required?	YES	YES	NO	YES
Horizontal-Down	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	6.35	6.28	6.22	6.22
	Testing required?	YES	YES	NO	YES
Vertical-Back	Separation distance (mm)	5	20	5	20
	exclusion threshold(mW)	6.59	25.13	6.22	24.86
	Testing required?	YES	NO	NO	NO
Vertical-Front	Separation distance (mm)	20	5	20	5
	exclusion threshold(mW)	25.40	6.28	24.86	6.22
	Testing required?	NO	YES	NO	YES
Top Side	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	6.35	6.28	6.22	6.22
	Testing required?	YES	YES	NO	YES

Note:

1. maximum power is the source-based time-average power and represents the maximum RF output power among production units.
2. per KDB 447498 D01, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
3. per KDB 447498 D01, standalone SAR test exclusion threshold is applied; if the distance of the antenna to the user is <25mm, 25mm is user to determine SAR exclusion threshold
4. per KDB 447498 D01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distance $\leq 50\text{mm}$ are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$

$$f(\text{GHz}) \text{ is the RF channel transmit frequency in GHz. Power and distance are rounded to the nearest mW and mm before calculation.}$$

The result is rounded to one decimal place for comparison

For <50mm distance, we just calculate mW of the exclusion threshold value(3.0) to do compare

5. per KDB 447498 D01, at 100 MHz to 6GHz and for test separation distances >50mm, the SAR



test exclusion threshold is determined according to the following

a) $[\text{threshold at 50mm in step 1}] + (\text{test separation distance} - 50\text{mm}) \cdot (f \text{ (MHz)} / 150) \text{ mW}$, at 100 MHz to 1500 MHz

b) $[\text{threshold at 50mm in step 1}] + (\text{test separation distance} - 50\text{mm}) \cdot 10 \text{ mW}$ at $> 1500\text{MHz}$ and $\leq 6\text{GHz}$

6. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion 8. for each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of these configurations is less than 1/4db higher than those measured at the lower data rate than 11b mode, thus the SAR can be excluded.



8. EUT Test Position

This EUT was tested in Front Face and Rear Face.

8.1 Define Two Imaginary Lines on the Handset

- 1) To position the EUT parallel to the phantom surface.
- 2) To adjust the EUT parallel to the flat phantom.
- 3) To adjust the distance between the EUT surface and the flat phantom to 0mm.



Horizontal-Up



Horizontal-Down



Vertical-Front



Vertical-Back

Note: These are USB connector orientations on laptop computers; USB dongles have the reverse configuration for plugging into the corresponding laptop computers.



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	5.8	N	1	1	1	5.8	5.8	∞
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	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
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	1.81	1.81	∞
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	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
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	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	N	1	1	0.84	2.00	1.68	∞
Liquid Conductivity - Measurement Uncertainty)	4	N	1	0.78	0.71	3.12	2.84	5
Liquid Permittivity - Measurement Uncertainty	5	N	1	0.23	0.26	1.15	1.30	5
Liquid Conductivity (Temperature Uncertainty)	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.02	∞
Liquid Permittivity (Temperature Uncertainty)	2.5	R	$\sqrt{3}$	0.23	0.26	0.33	0.38	∞
Combined Standard Uncertainty		RSS				10.47	10.34	
Expanded Uncertainty (95% Confidence interval)		K				20.95	20.69	



9.2 System validation Uncertainty

Uncertainty Component	Tol (+ - %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System								
Probe calibration	5.8	N	1	1	1	5.8	5.8	∞
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	0.71	0.71	∞
System detection limits	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	0	N	$\sqrt{3}$	0	0	0.00	0.00	∞
Readout Electronics	0.5	N	1	1	1	0.50	0.50	∞
Response Time	0	R	$\sqrt{3}$	0	0	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	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
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	N	1	1	0.84	2.00	1.68	∞
Liquid Conductivity - Measurement Uncertainty)	4	N	1	0.78	0.71	3.12	2.84	5
Liquid Permittivity - Measurement Uncertainty	5	N	1	0.23	0.26	1.15	1.30	5
Liquid Conductivity (Temperature Uncertainty)	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.02	∞
Liquid Permittivity (Temperature Uncertainty)	2.5	R	$\sqrt{3}$	0.23	0.26	0.33	0.38	∞
Combined Standard Uncertainty		RSS				10.16	10.03	
Expanded Uncertainty (95% Confidence interval)		K				20.32	20.06	



10. Conducted Power Measurement

10.1 Test Result

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	7.81	9.71	N/A
	40	5200	7.94	10.12	N/A
	48	5240	8.81	10.20	N/A
802.11n-HT20	36	5180	6.09	8.19	5.78
	40	5200	6.32	8.75	5.95
	48	5240	6.70	8.72	6.11
802.11n-HT40	38	5190	6.05	8.71	6.33
	46	5230	6.60	8.97	6.16
802.11ac-VHT20	36	5180	6.36	8.42	10.86
	40	5200	6.60	8.55	11.05
	48	5240	6.74	8.63	11.68
802.11ac-VHT40	38	5190	6.27	8.48	11.46
	46	5230	6.63	8.64	11.59
802.11ac-VHT80	42	5210	6.93	8.73	7.23

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	8.31	9.88	N/A
	60	5300	7.99	9.08	N/A
	64	5320	8.17	9.39	N/A
802.11n-HT20	52	5260	6.36	8.40	7.90
	60	5300	6.14	7.64	7.53
	64	5320	6.36	7.60	7.60
802.11n-HT40	54	5270	6.27	7.97	7.88
	62	5310	6.18	7.70	7.60
802.11ac-VHT20	52	5260	6.50	8.15	11.68
	60	5300	6.36	7.13	11.38
	64	5320	6.29	7.47	11.26
802.11ac-VHT40	54	5270	6.27	7.91	11.78
	62	5310	6.03	7.69	11.34
802.11ac-VHT80	58	5290	6.25	7.98	8.73



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	9.58	10.52	N/A
	116	5580	9.80	11.55	N/A
	140	5700	7.50	13.56	N/A
802.11n-HT20	100	5500	8.05	9.09	9.24
	116	5580	8.24	10.19	9.82
	140	5700	6.26	11.87	10.32
802.11n-HT40	102	5510	8.06	8.69	9.00
	110	5550	8.44	9.08	9.84
	134	5670	5.43	11.59	10.35
802.11ac-VHT20	100	5500	7.96	8.75	10.63
	116	5580	7.81	9.75	12.14
	140	5700	5.90	11.88	13.43
802.11ac-VHT40	102	5510	7.98	8.68	10.42
	110	5550	8.01	9.72	11.46
	134	5670	5.59	11.64	12.49
802.11ac-VHT80	106	5530	8.27	9.57	10.20
	122	5610	7.17	10.20	10.23

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	6.26	12.12	N/A
	157	5785	6.65	12.84	N/A
	165	5825	7.44	12.99	N/A
802.11n-HT20	149	5745	5.10	11.08	9.39
	157	5785	5.53	11.39	9.93
	165	5825	6.07	11.71	10.28
802.11n-HT40	151	5755	4.91	11.06	9.87
	159	5795	5.43	11.51	10.23
802.11ac-VHT20	149	5745	5.11	10.85	10.27
	157	5785	5.76	11.15	10.89
	165	5825	6.25	11.46	11.90
802.11ac-VHT40	151	5755	4.81	10.92	12.76
	159	5795	5.44	11.32	13.91
802.11ac-VHT80	155	5775	5.77	11.93	11.21



9.2 Tune up power

Mode	5.2G WLAN		
	ANT 1	ANT 2	MIMO
802.11a	8±1dBm	9.5±1dBm	N/A
802.11n-HT20	5.9±1dBm	8±1dBm	5.3±1dBm
802.11n-HT40	6±1dBm	8±1dBm	5.5±1dBm
802.11ac-VHT20	6±1dBm	8±1dBm	11±1dBm
802.11ac-VHT40	6±1dBm	8±1dBm	10.8±1dBm
802.11ac-VHT80	6±1dBm	8±1dBm	6.5±1dBm

Mode	5.3G WLAN		
	ANT 1	ANT 2	MIMO
802.11a	7.5±1dBm	9±1dBm	N/A
802.11n-HT20	5.5±1dBm	7.5±1dBm	7±1dBm
802.11n-HT40	5.5±1dBm	7±1dBm	7±1dBm
802.11ac-VHT20	5.8±1dBm	7.5±1dBm	10.8±1dBm
802.11ac-VHT40	5.5±1dBm	7±1dBm	10.9±1dBm
802.11ac-VHT80	5.5±1dBm	7±1dBm	8±1dBm

Mode	5.6G WLAN		
	ANT 1	ANT 2	MIMO
802.11a	9±1dBm	12.7±1dBm	N/A
802.11n-HT20	7.5±1dBm	11±1dBm	9.5±1dBm
802.11n-HT40	7.5±1dBm	11±1dBm	9.5±1dBm
802.11ac-VHT20	7±1dBm	11±1dBm	12.5±1dBm
802.11ac-VHT40	7.2±1dBm	11±1dBm	11.5±1dBm
802.11ac-VHT80	6.5±1dBm	9.5±1dBm	9.5±1dBm

Mode	5.8G WLAN		
	ANT 1	ANT 2	MIMO
802.11a	6.5±1dBm	12.2±1dBm	N/A
802.11n-HT20	5.2±1dBm	11±1dBm	9.5±1dBm
802.11n-HT40	4.5±1dBm	10.7±1dBm	9.5±1dBm
802.11ac-VHT20	5.5±1dBm	10.5±1dBm	11±1dBm
802.11ac-VHT40	4.5±1dBm	10.5±1dBm	13±1dBm
802.11ac-VHT80	5±1dBm	11±1dBm	10.5±1dBm

11. EUT and Test Setup Photo

11.1 EUT Photos

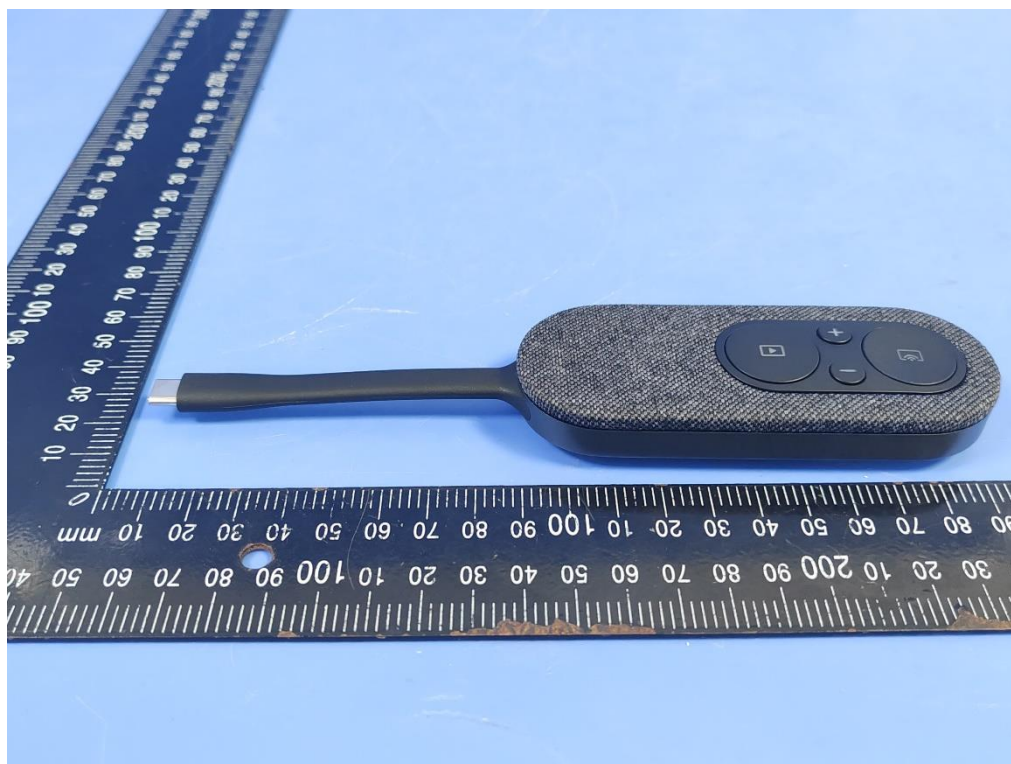
Front side



Back side



Right Edge



Left Edge





Top Edge



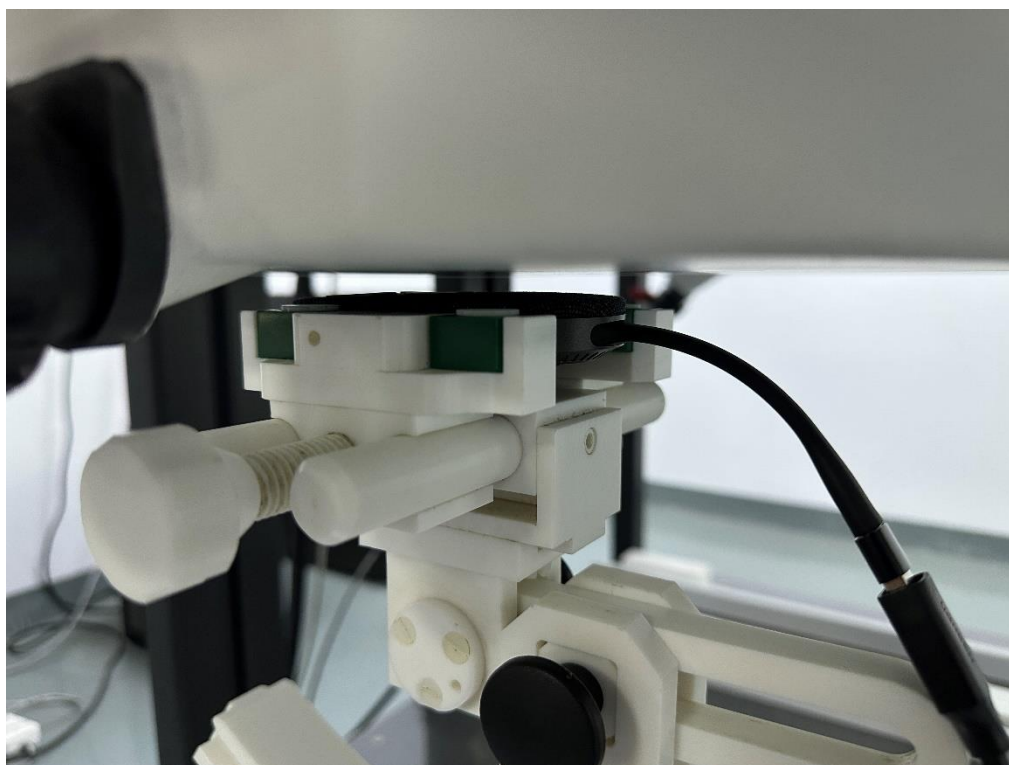
Bottom Edge



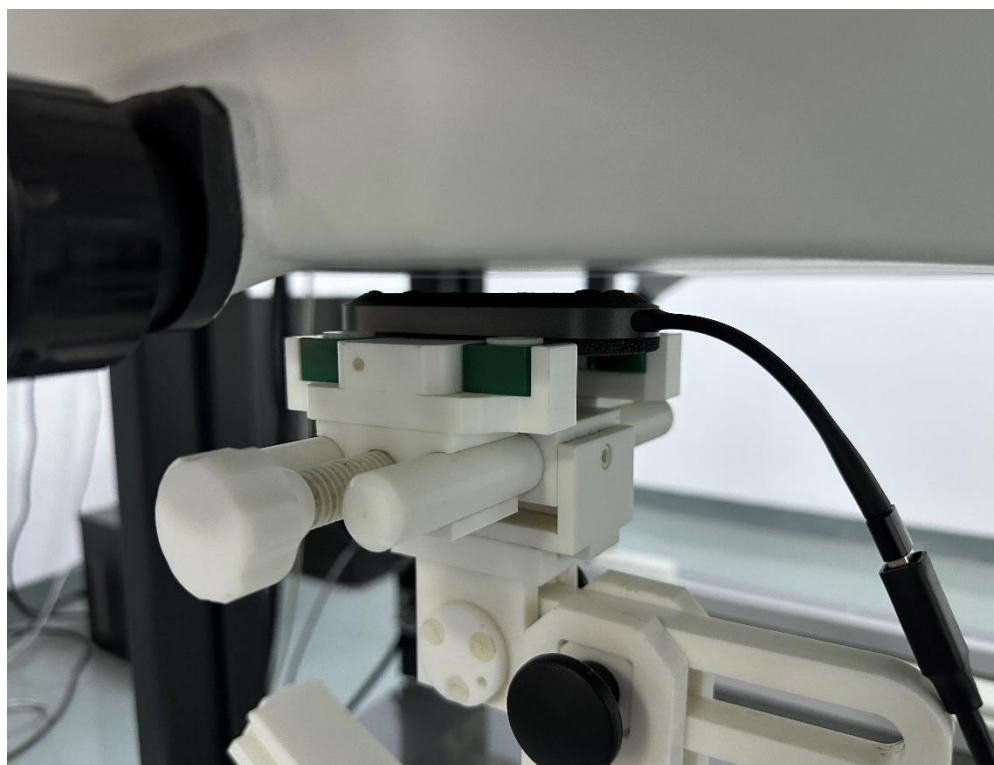


11.2 Setup Photos

Body Front side (separation distance is 5mm)

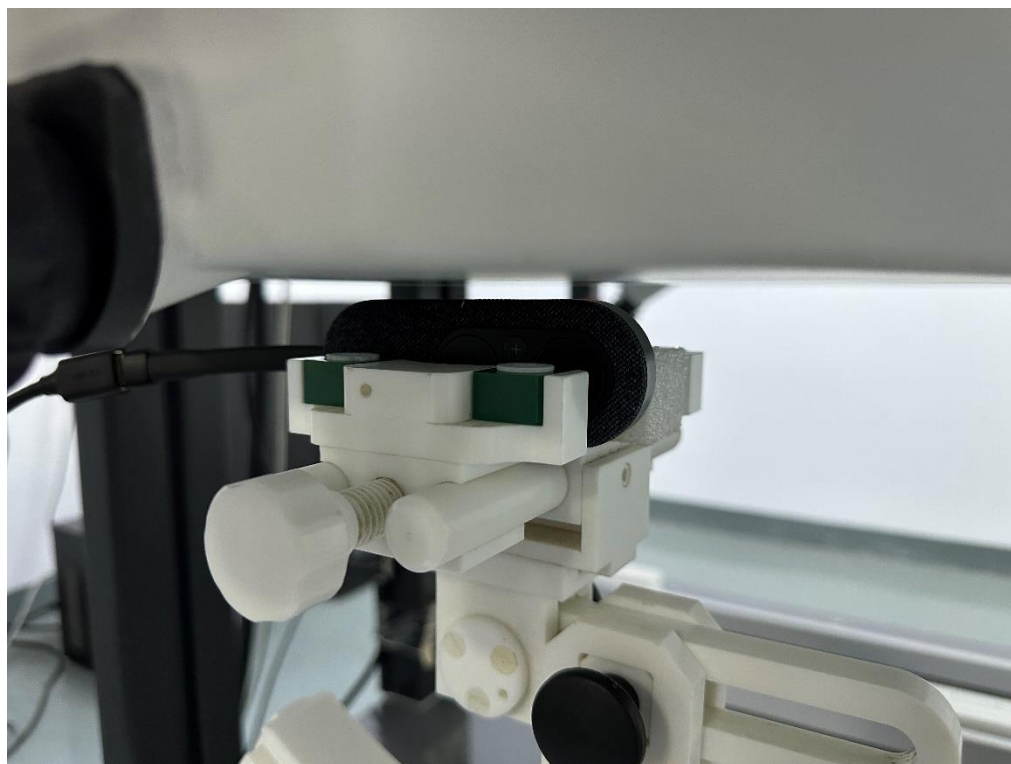


Body Back side (separation distance 5mm)

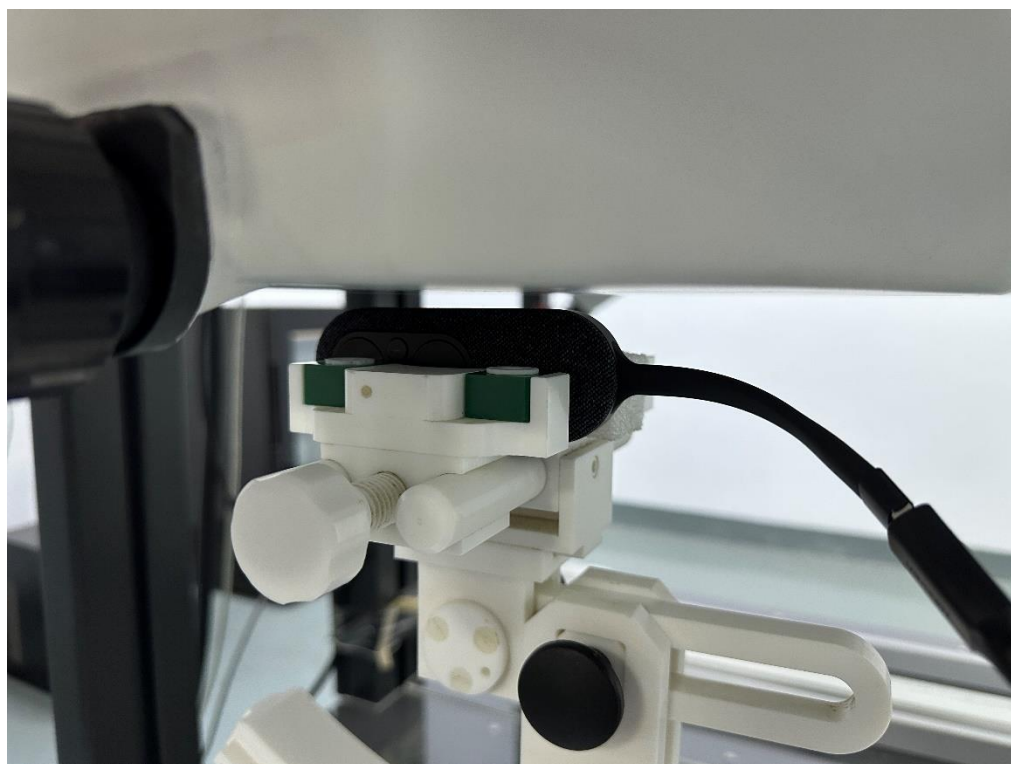




Body Left side (separation distance is 5mm)



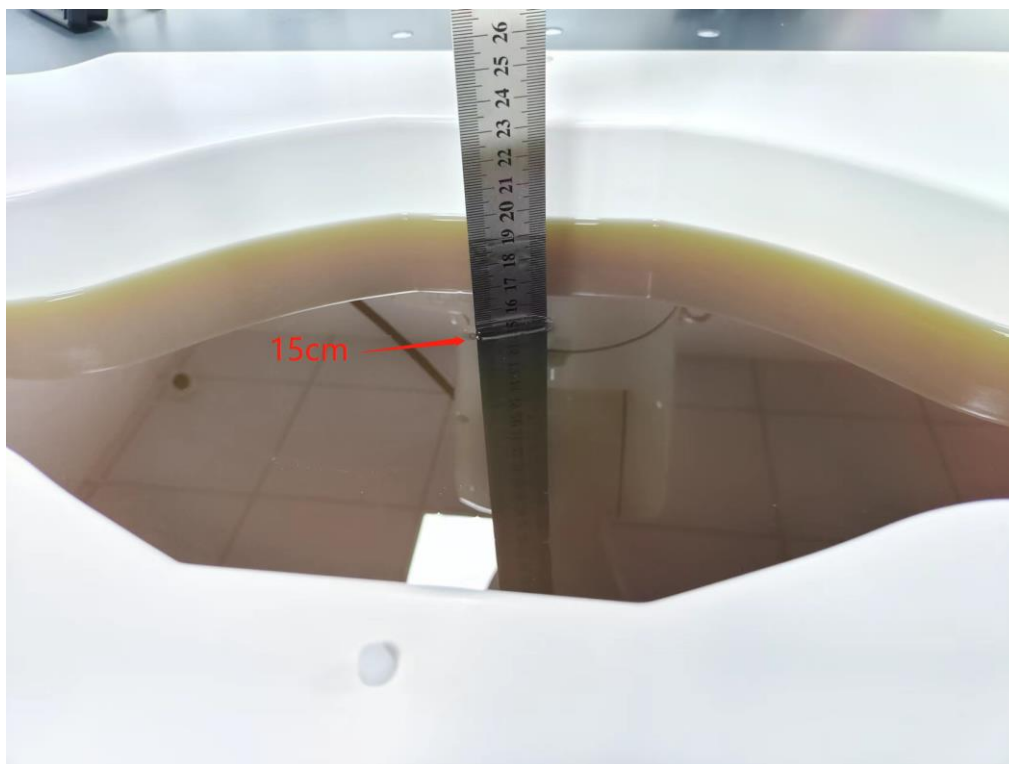
Body Right side (separation distance is 5mm)



Body Top side (separation distance is 5mm)



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.
5.2GHz WLAN ANT 1	802.11a	Horizontal-UP	5180	0.645	1.92	9.00	7.81	1.315	0.848	/
		Horizontal-UP	5200	0.665	-1.26	9.00	7.94	1.276	0.849	/
		Horizontal-UP	5240	0.814	3.11	9.00	8.81	1.045	0.850	1
		Horizontal-Down	5240	0.652	-2.23	9.00	8.81	1.045	0.681	/
		Vertical-Back	5240	0.489	-2.23	9.00	8.81	1.045	0.511	/
		Top Side	5240	0.573	-0.28	9.00	8.81	1.045	0.599	/
5.2GHz WLAN ANT 2	802.11a	Horizontal-UP	5240	0.560	-3.97	10.50	10.20	1.072	0.600	2
		Horizontal-Down	5240	0.449	1.06	10.50	10.20	1.072	0.481	/
		Vertical-Front	5240	0.405	-2.14	10.50	10.20	1.072	0.434	/
		Top Side	5240	0.392	1.91	10.50	10.20	1.072	0.420	/
5.2GHz WLAN MIMO 1	802.11ac-VHT20	Horizontal-UP	5240	0.586	3.10	12.00	11.68	1.076	0.631	3
		Horizontal-Down	5240	0.470	-0.89	12.00	11.68	1.076	0.506	/
		Vertical-Front	5240	0.424	-0.38	12.00	11.68	1.076	0.456	/
		Vertical-Back	5240	0.353	2.15	12.00	11.68	1.076	0.380	/
		Top Side	5240	0.412	3.54	12.00	11.68	1.076	0.444	/
5.2GHz WLAN MIMO 2	802.11ac-VHT20	Horizontal-UP	5180	0.620	1.32	12.00	10.86	1.300	0.806	/
		Horizontal-UP	5200	0.649	0.92	12.00	11.05	1.245	0.808	/
		Horizontal-UP	5240	0.755	2.90	12.00	11.68	1.076	0.813	4
		Horizontal-Down	5240	0.605	-2.15	12.00	11.68	1.076	0.651	/
		Vertical-Front	5240	0.547	0.43	12.00	11.68	1.076	0.589	/
		Vertical-Back	5240	0.454	1.83	12.00	11.68	1.076	0.489	/
		Top Side	5240	0.530	-1.37	12.00	11.68	1.076	0.571	/
5.3GHz WLAN ANT 1	802.11a	Horizontal-UP	5260	0.508	-2.53	8.50	8.31	1.045	0.531	5
		Horizontal-Down	5260	0.408	1.20	8.50	8.31	1.045	0.426	/
		Vertical-Back	5260	0.305	3.60	8.50	8.31	1.045	0.319	/
		Top Side	5260	0.357	3.81	8.50	8.31	1.045	0.373	/
5.3GHz WLAN ANT 2	802.11a	Horizontal-UP	5260	0.525	0.87	10.00	9.88	1.028	0.540	6
		Horizontal-Down	5260	0.420	-3.30	10.00	9.88	1.028	0.432	/
		Vertical-Front	5260	0.382	-3.06	10.00	9.88	1.028	0.393	/
		Top Side	5260	0.371	2.16	10.00	9.88	1.028	0.381	/
5.3GHz WLAN MIMO 1	802.11ac-VHT40	Horizontal-UP	5270	0.585	-2.90	11.90	11.78	1.028	0.601	7
		Horizontal-Down	5270	0.472	1.42	11.90	11.78	1.028	0.485	/
		Vertical-Front	5270	0.423	0.51	11.90	11.78	1.028	0.435	/
		Vertical-Back	5270	0.352	-1.91	11.90	11.78	1.028	0.362	/
		Top Side	5270	0.413	0.23	11.90	11.78	1.028	0.425	/
5.3GHz WLAN MIMO 2	802.11ac-VHT40	Horizontal-UP	5270	0.364	-2.95	11.90	11.78	1.028	0.374	8
		Horizontal-Down	5270	0.291	2.57	11.90	11.78	1.028	0.299	/
		Vertical-Front	5270	0.266	2.66	11.90	11.78	1.028	0.273	/
		Vertical-Back	5270	0.220	2.61	11.90	11.78	1.028	0.226	/
		Top Side	5270	0.256	0.89	11.90	11.78	1.028	0.263	/
5.6GHz WLAN ANT 1	802.11a	Horizontal-UP	5580	0.550	1.13	10.00	9.80	1.047	0.576	9
		Horizontal-Down	5580	0.442	3.98	10.00	9.80	1.047	0.463	/
		Vertical-Back	5580	0.333	3.48	10.00	9.80	1.047	0.349	/
		Top Side	5580	0.389	-2.36	10.00	9.80	1.047	0.407	/
5.6GHz WLAN ANT 2	802.11a	Horizontal-UP	5500	0.401	1.50	13.70	10.52	2.080	0.834	/
		Horizontal-UP	5580	0.512	-3.99	13.70	11.55	1.641	0.840	/
		Horizontal-UP	5700	0.836	2.32	13.70	13.56	1.033	0.863	10
		Horizontal-Down	5700	0.671	-2.59	13.70	13.56	1.033	0.693	/
		Vertical-Front	5700	0.602	1.18	13.70	13.56	1.033	0.622	/



		Top Side	5700	0.589	0.95	13.70	13.56	1.033	0.608	/
5.6GHz WLAN MIMO 1	802.11ac- VHT20	Horizontal-UP	5700	0.490	-1.18	13.50	13.43	1.016	0.498	11
		Horizontal-Down	5700	0.395	1.47	13.50	13.43	1.016	0.401	/
		Vertical-Front	5700	0.355	-0.24	13.50	13.43	1.016	0.361	/
		Vertical-Back	5700	0.296	2.17	13.50	13.43	1.016	0.301	/
		Top Side	5700	0.346	-1.28	13.50	13.43	1.016	0.352	/
5.6GHz WLAN MIMO 2	802.11ac- VHT20	Horizontal-UP	5700	0.523	-3.53	13.50	13.43	1.016	0.531	12
		Horizontal-Down	5700	0.421	2.79	13.50	13.43	1.016	0.428	/
		Vertical-Front	5700	0.377	1.65	13.50	13.43	1.016	0.383	/
		Vertical-Back	5700	0.317	-0.44	13.50	13.43	1.016	0.322	/
		Top Side	5700	0.370	-3.19	13.50	13.43	1.016	0.376	/
5.8GHz WLAN ANT 1	802.11a	Horizontal-UP	5825	0.601	-3.16	7.50	7.44	1.014	0.609	13
		Horizontal-Down	5825	0.485	1.63	7.50	7.44	1.014	0.492	/
		Vertical-Back	5825	0.364	2.57	7.50	7.44	1.014	0.369	/
		Top Side	5825	0.421	-0.06	7.50	7.44	1.014	0.427	/
5.8GHz WLAN ANT 2	802.11a	Horizontal-UP	5825	0.540	0.73	13.20	12.99	1.050	0.567	14
		Horizontal-Down	5825	0.435	1.53	13.20	12.99	1.050	0.457	/
		Vertical-Front	5825	0.393	1.58	13.20	12.99	1.050	0.412	/
		Top Side	5825	0.382	-1.69	13.20	12.99	1.050	0.401	/
5.8GHz WLAN MIMO 1	802.11ac- VHT40	Horizontal-UP	5795	0.526	-1.06	14.00	13.91	1.021	0.537	15
		Horizontal-Down	5795	0.421	0.07	14.00	13.91	1.021	0.430	/
		Vertical-Front	5795	0.380	-0.73	14.00	13.91	1.021	0.388	/
		Vertical-Back	5795	0.318	-2.00	14.00	13.91	1.021	0.325	/
		Top Side	5795	0.372	-3.85	14.00	13.91	1.021	0.380	/
5.8GHz WLAN MIMO 2	802.11ac- VHT40	Horizontal-UP	5795	0.553	-3.44	14.00	13.91	1.021	0.565	16
		Horizontal-Down	5795	0.442	-2.39	14.00	13.91	1.021	0.451	/
		Vertical-Front	5795	0.399	3.57	14.00	13.91	1.021	0.407	/
		Vertical-Back	5795	0.332	2.65	14.00	13.91	1.021	0.339	/
		Top Side	5795	0.388	3.06	14.00	13.91	1.021	0.396	/

Band	Mode	Max SAR	WIFI MIMO
		(W/Kg)	
5.2G WLAN	802.11ac-VHT20	0.850	1.450
	802.11ac-VHT20	0.600	
5.3G WLAN	802.11ac-VHT40	0.531	1.071
	802.11ac-VHT40	0.540	
5.6G WLAN	802.11ac-VHT20	0.567	1.430
	802.11ac-VHT20	0.863	
5.8G WLAN	802.11ac-VHT40	0.609	1.176
	802.11ac-VHT40	0.567	

Note:

- The test separation of all above table is 5mm.
- 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
- When the user enables the personal Wireless router functions for the handsets, actual operations include simultaneous transmission of both the Wi-Fi transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. The "Portable Hotspot" feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.



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)
5.2GHz WLAN ANT 1	802.11a	Horizontal-UP	5180	0.635	1.34	9.00	7.81	1.315	0.835
		Horizontal-UP	5200	0.633	-3.80	9.00	7.94	1.276	0.808
		Horizontal-UP	5240	0.813	0.93	9.00	8.81	1.045	0.849
5.2GHz WLAN MIMO 2	802.11ac-VHT20	Horizontal-UP	5180	0.592	2.06	12.00	10.86	1.300	0.769
		Horizontal-UP	5200	0.637	-2.84	12.00	11.05	1.245	0.792
		Horizontal-UP	5240	0.751	1.99	12.00	11.68	1.076	0.808
5.6GHz WLAN ANT 2	802.11a	Horizontal-UP	5500	0.389	-2.06	13.70	10.52	2.080	0.810
		Horizontal-UP	5580	0.498	1.62	13.70	11.55	1.641	0.817
		Horizontal-UP	5700	0.825	-0.25	13.70	13.56	1.033	0.852

12.3 Repeated SAR measurement

Band	Mode	Test Position	Ch.	Original Measured SAR 1g (W/kg)	1 st Repeated SAR 1g	Ratio
5.2GHz WLAN ANT 1	802.11a	Horizontal-UP	5180	0.645	0.635	1.016
		Horizontal-UP	5200	0.665	0.633	1.051
		Horizontal-UP	5240	0.814	0.813	1.002
5.2GHz WLAN MIMO 2	802.11ac-VHT20	Horizontal-UP	5180	0.620	0.592	1.048
		Horizontal-UP	5200	0.649	0.637	1.019
		Horizontal-UP	5240	0.755	0.751	1.006
5.6GHz WLAN ANT 2	802.11a	Horizontal-UP	5500	0.401	0.389	1.030
		Horizontal-UP	5580	0.512	0.498	1.028
		Horizontal-UP	5700	0.836	0.825	1.014

Note:

1. Per KDB 865664 D01, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 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 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 ≥ 1.45 W/Kg.
4. The ratio is the difference in percentage between original and repeated measured SAR.



13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
5000MHz Dipole	MVG	DIP5G000	SN 06/22 DIP5G000-653	2025.05.22	2028.05.21
E-Field Probe	MVG	SSE2	2225-EPGO-450	2025.06.06	2026.06.05
Liquid Calibration Kit	MVG	OCPG 87	SN 06/22 OCPG87	2025.06.02	2026.06.01
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	ZVL	R&S	116184	2025.03.05	2026.03.04
Multi Meter	DMM6500	Keithley	4527252	2025.03.06	2026.03.05
Signal Generator	Keysight	N5182B	MY59100717	2025.03.05	2026.03.04
Wireless Communication Test Set	R&S	CMW500	137737	2025.03.05	2026.03.04
Power Sensor	R&S	Z11	116184	2025.03.05	2026.03.04
Electronic Temperature hygrometer	N/A	ST-W2318	N/A	2025.03.05	2026.03.04
Temperature hygrometer	N/A	TP101	N/A	2025.03.05	2026.03.04



Appendix A. System Validation Plots

System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)

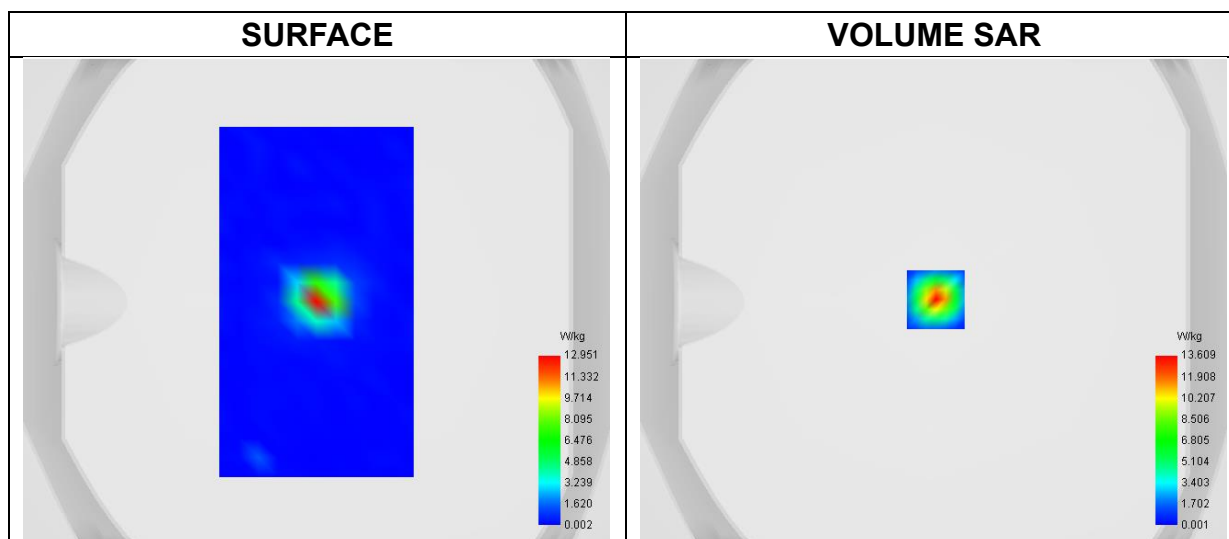
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement:2025-07-17

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200.000
Relative permittivity	36.80
Conductivity (S/m)	4.61
Probe	2225-EPGO-450
ConvF	1.58
Crest factor:	1:1

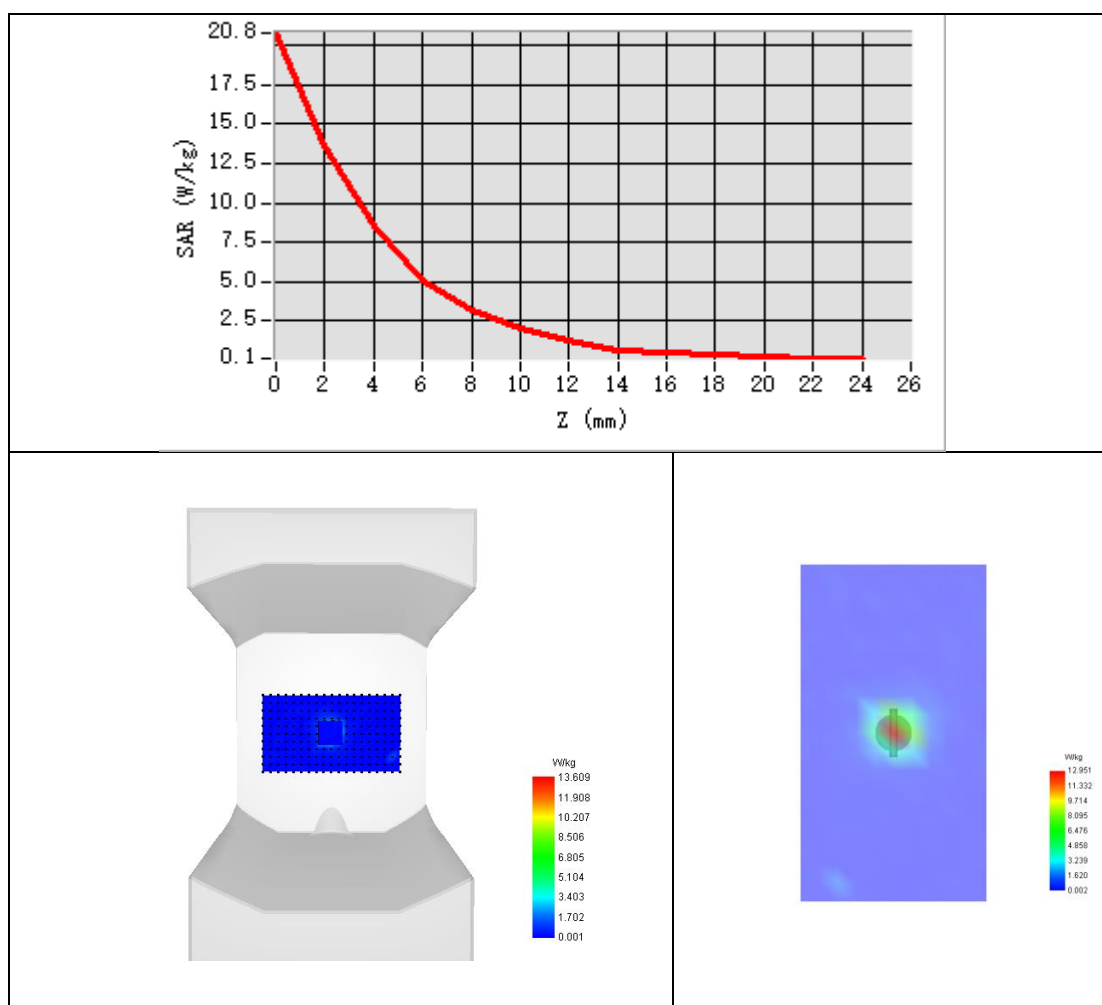


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 21.24 W/kg

SAR 10g (W/Kg)	2.301
SAR 1g (W/Kg)	7.812



Z Axis Scan





System Performance Check Data (5400MHz)

Type: Phone measurement (Complete)

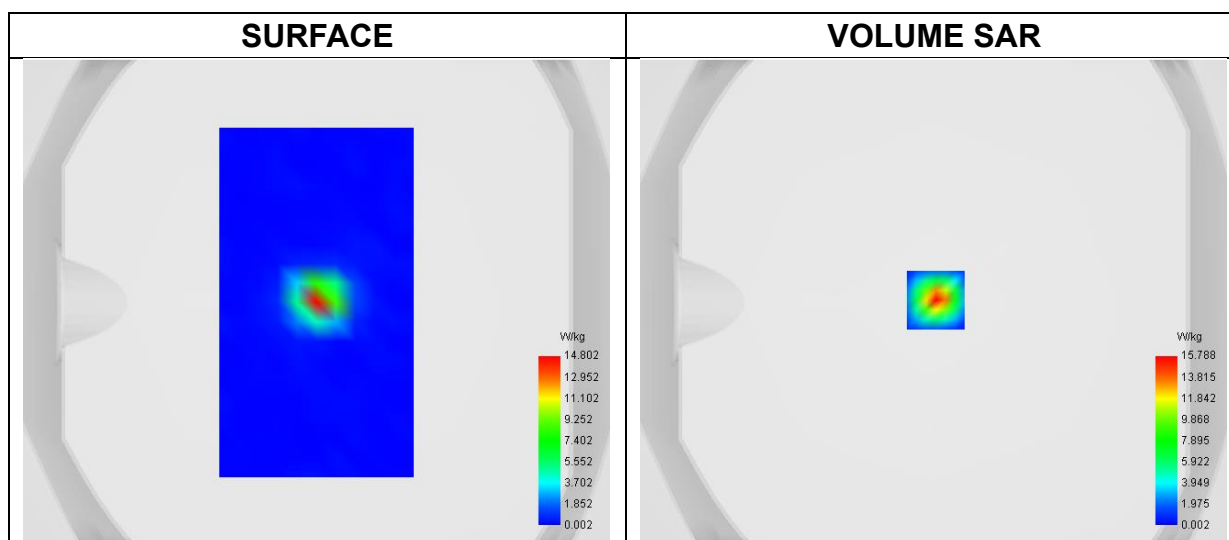
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement:2025-07-17

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Channels	Middle
Signal	CW
Frequency (MHz)	5400.000
Relative permittivity	36.22
Conductivity (S/m)	4.85
Probe	2225-EPGO-450
ConvF	1.6
Crest factor:	1:1

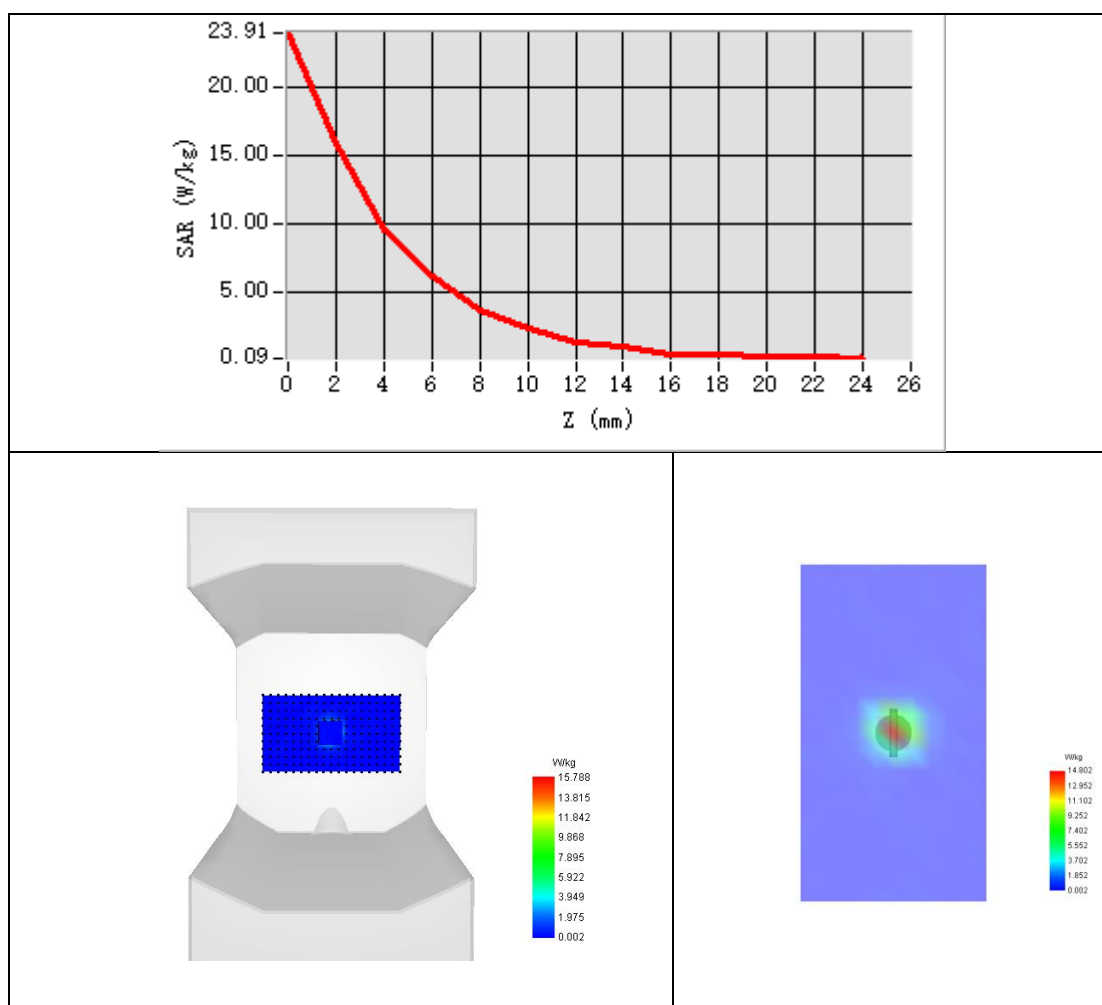


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 25.40 W/kg

SAR 10g (W/Kg)	2.248
SAR 1g (W/Kg)	7.659



Z Axis Scan





System Performance Check Data (5600MHz)

Type: Phone measurement (Complete)

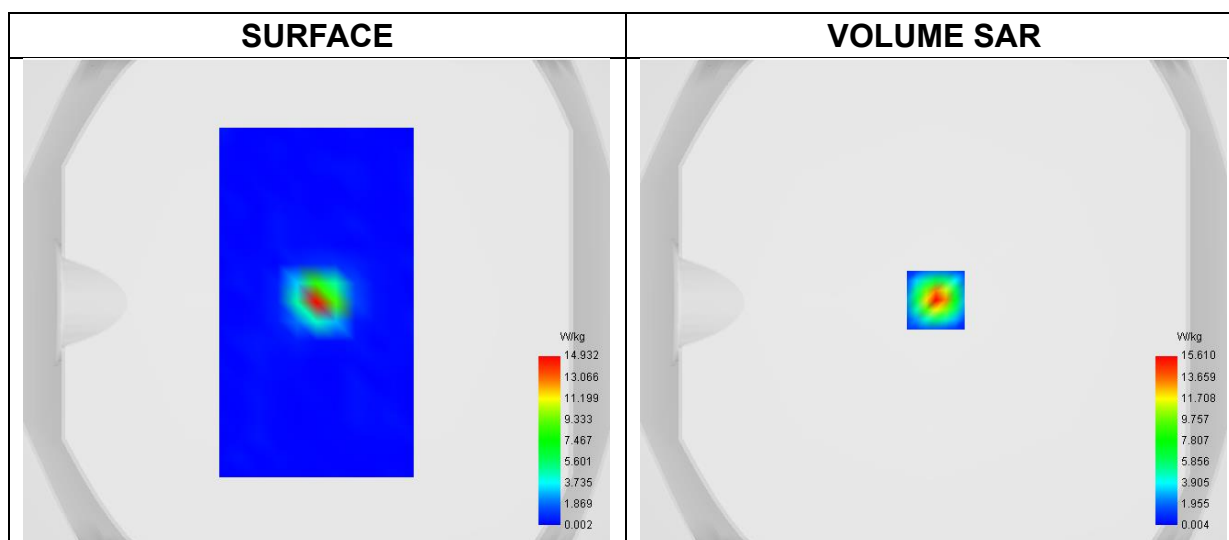
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement:2025-07-13

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels	Middle
Signal	CW
Frequency (MHz)	5600.000
Relative permittivity	36.60
Conductivity (S/m)	5.11
Probe	2225-EPGO-450
ConvF	1.63
Crest factor:	1:1

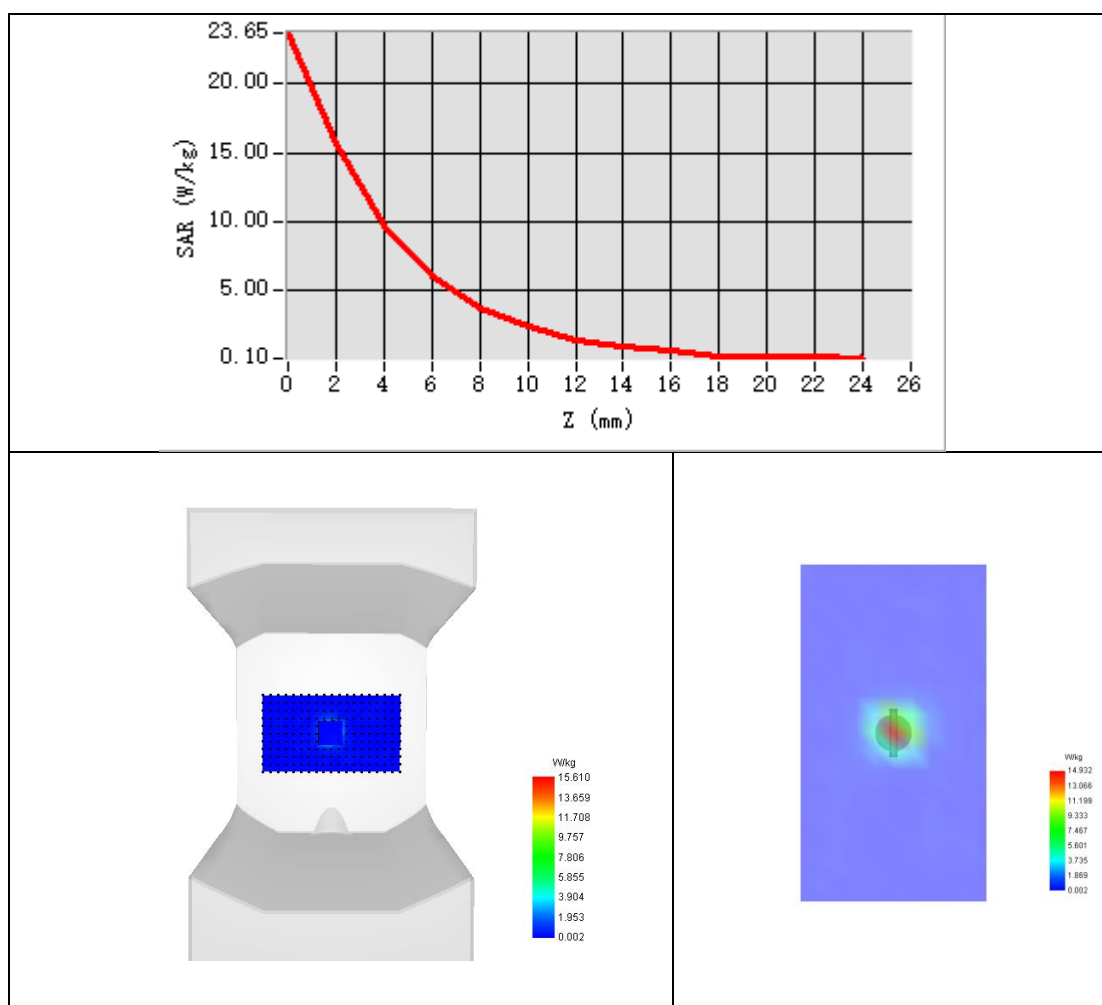


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 25.45 W/kg

SAR 10g (W/Kg)	2.365
SAR 1g (W/Kg)	8.248



Z Axis Scan





System Performance Check Data (5800MHz)

Type: Phone measurement (Complete)

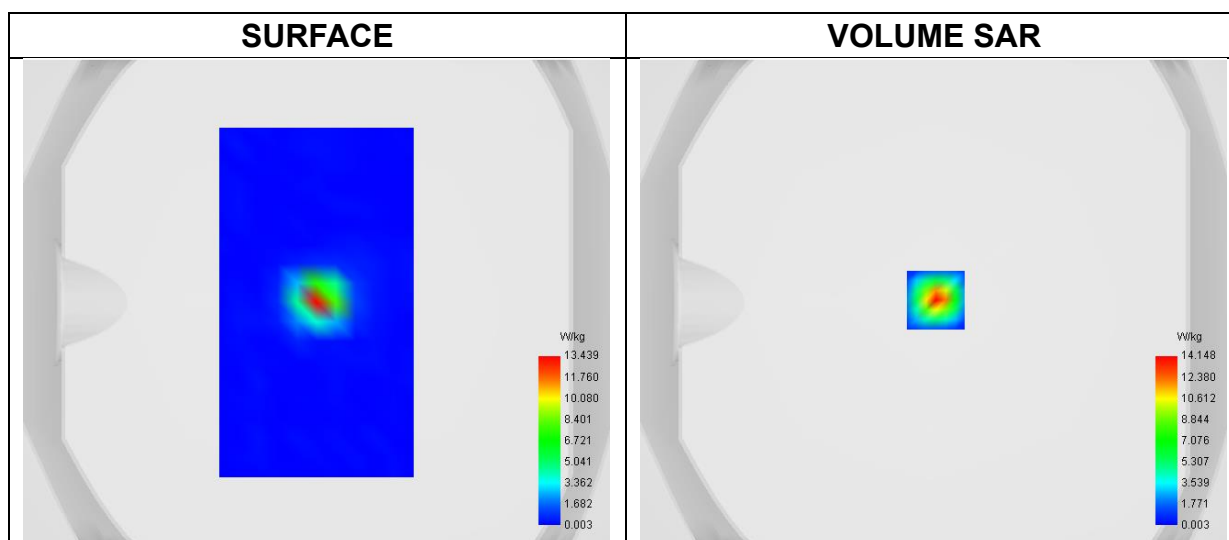
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement:2025-07-13

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW
Frequency (MHz)	5800.000
Relative permittivity	36.23
Conductivity (S/m)	5.19
Probe	2225-EPGO-450
ConvF	1.62
Crest factor:	1:1

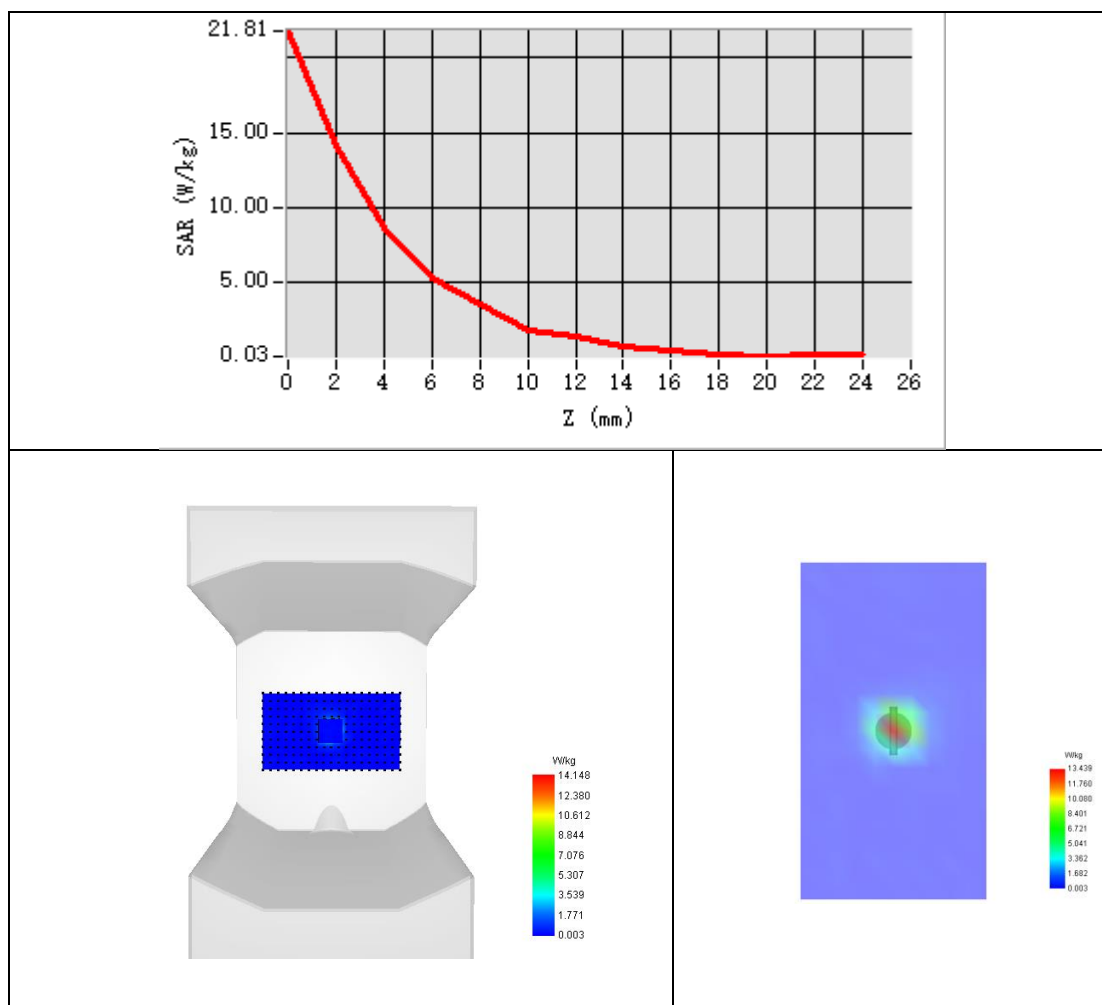


Maximum location: X=5.00, Y=6.00 ; SAR Peak: 25.18 W/kg

SAR 10g (W/Kg)	2.368
SAR 1g (W/Kg)	8.058



Z Axis Scan



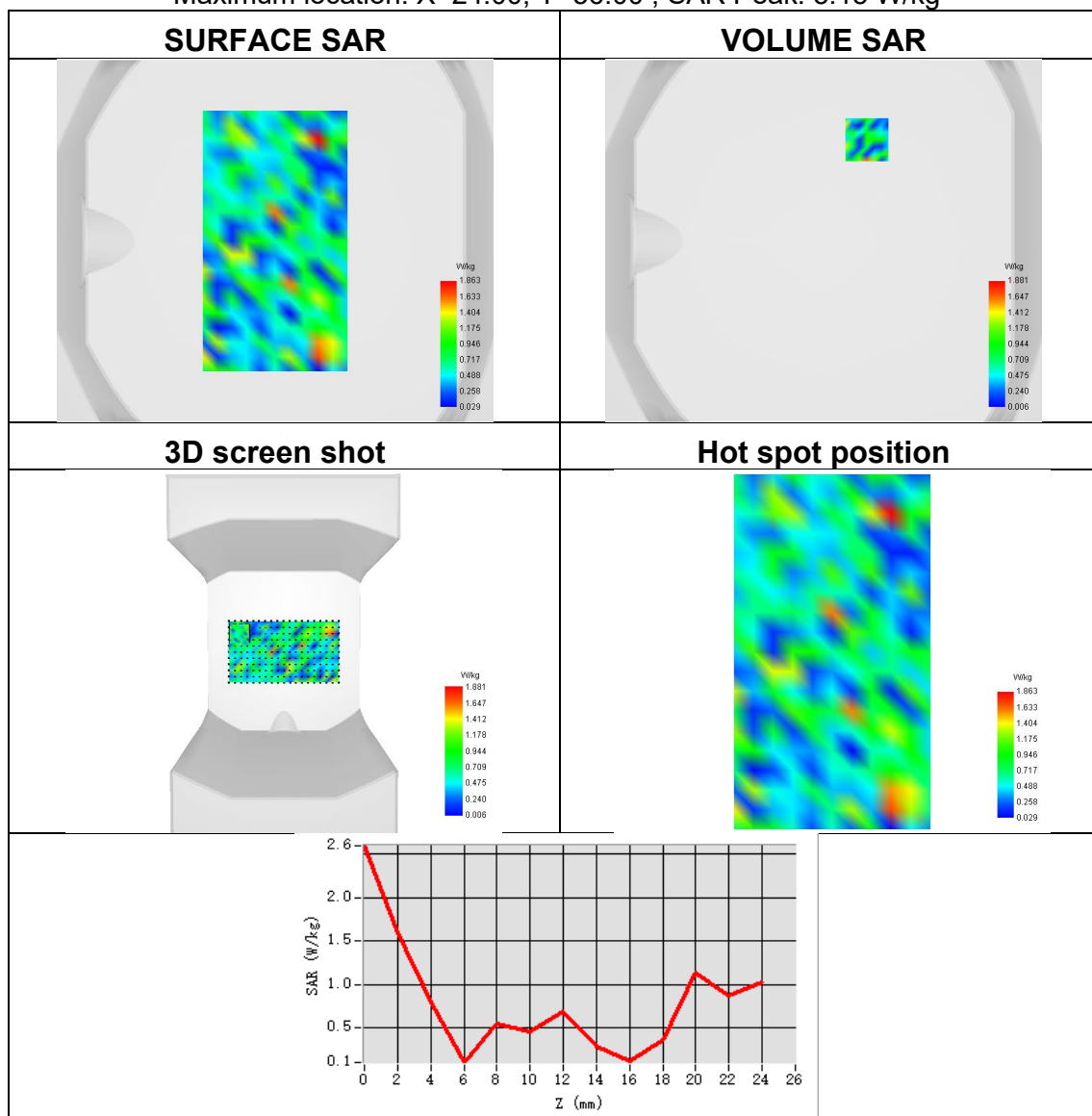


Appendix B. SAR Test Plots

Plot 1:

Test Date	2025-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Horizontal-UP
Band	U-NII-1 ANT 1
Signal	IEEE 802.11a
Frequency	5240
SAR 10g (W/Kg)	0.499
SAR 1g (W/Kg)	0.814
ConvF	1.58
Relative permittivity	36.80
Conductivity (S/m)	4.61

Maximum location: X=24.00, Y=56.00 ; SAR Peak: 5.15 W/kg

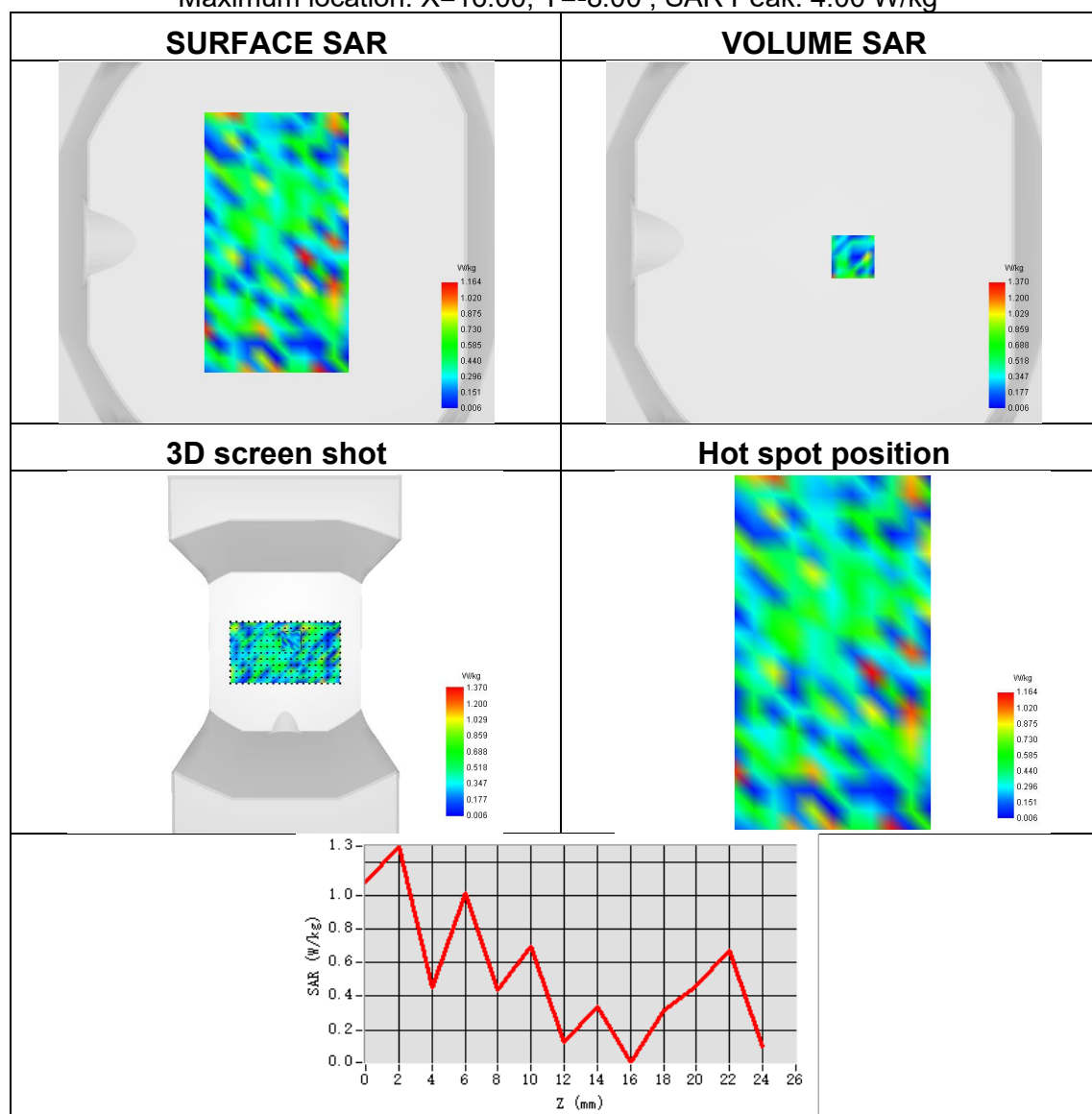




Plot 2:

Test Date	2025-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Horizontal-UP
Band	U-NII-1 ANT 2
Signal	IEEE 802.11a
Frequency	5240
SAR 10g (W/Kg)	0.274
SAR 1g (W/Kg)	0.561
ConvF	1.58
Relative permittivity	36.80
Conductivity (S/m)	4.61

Maximum location: X=16.00, Y=-8.00 ; SAR Peak: 4.00 W/kg

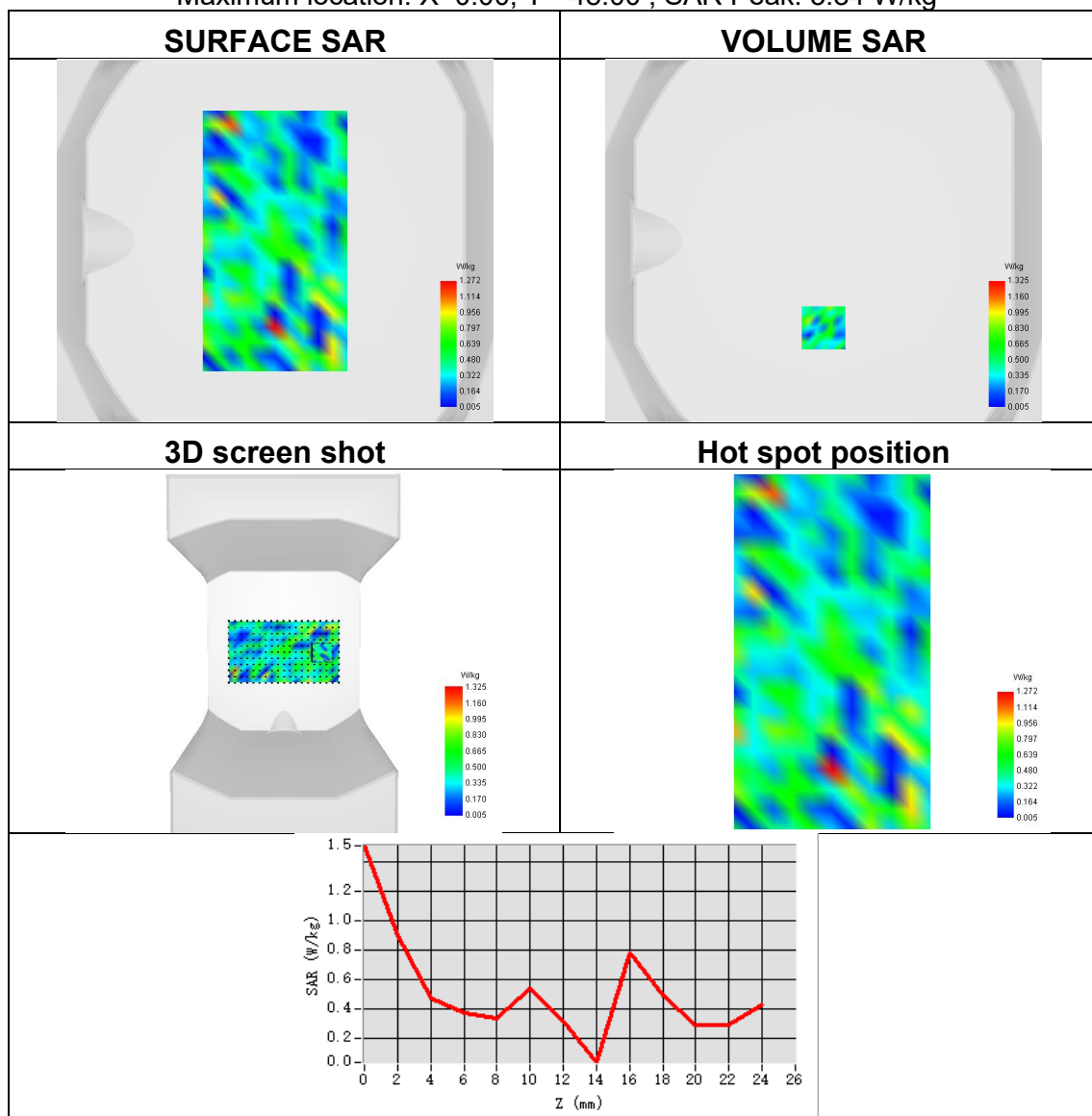




Plot 3:

Test Date	2025-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Horizontal-UP
Band	U-NII-1 MIMO 1
Signal	IEEE 802.11ac
Frequency	5240
SAR 10g (W/Kg)	0.278
SAR 1g (W/Kg)	0.586
ConvF	1.58
Relative permittivity	36.80
Conductivity (S/m)	4.61

Maximum location: X=0.00, Y=-48.00 ; SAR Peak: 3.84 W/kg

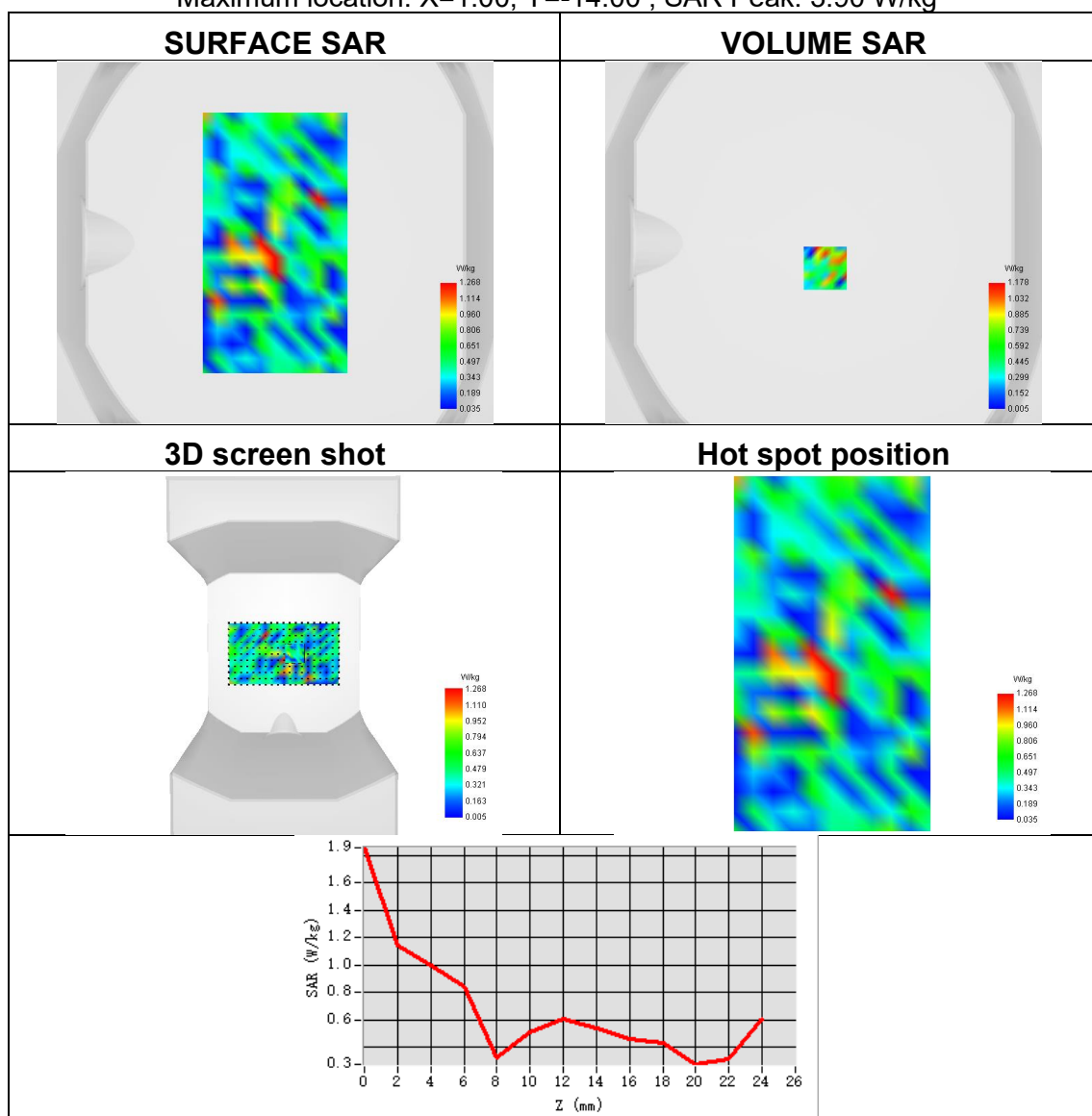




Plot 4:

Test Date	2025-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Horizontal-UP
Band	U-NII-1 MIMO 2
Signal	IEEE 802.11ac
Frequency	5240
SAR 10g (W/Kg)	0.325
SAR 1g (W/Kg)	0.755
ConvF	1.58
Relative permittivity	36.80
Conductivity (S/m)	4.61

Maximum location: X=1.00, Y=-14.00 ; SAR Peak: 3.90 W/kg

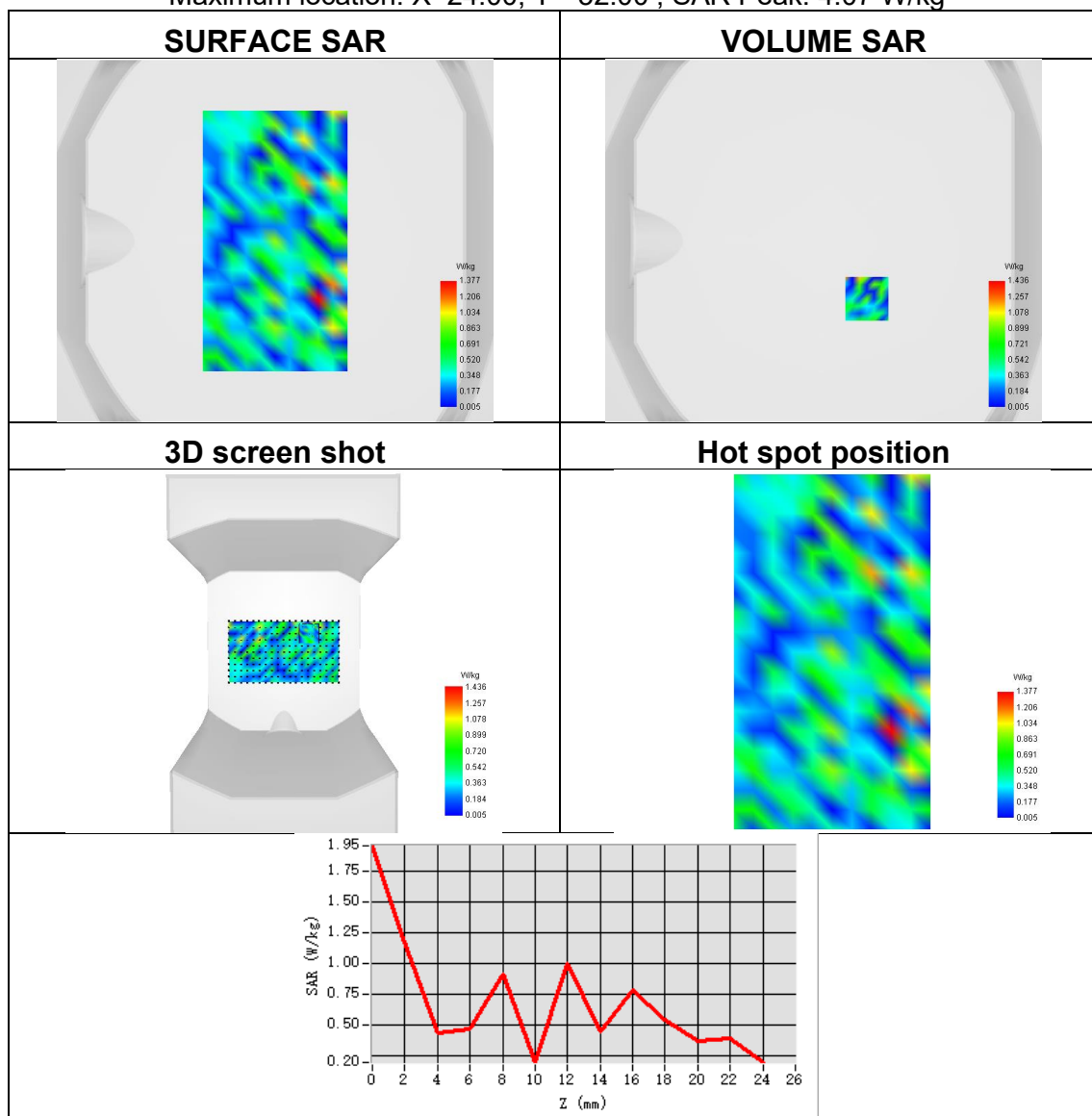




Plot 5:

Test Date	2025-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Horizontal-UP
Band	U-NII-2 ANT 1
Signal	IEEE 802.11ac
Frequency	5260
SAR 10g (W/Kg)	0.303
SAR 1g (W/Kg)	0.508
ConvF	1.60
Relative permittivity	36.22
Conductivity (S/m)	4.85

Maximum location: X=24.00, Y=-32.00 ; SAR Peak: 4.07 W/kg

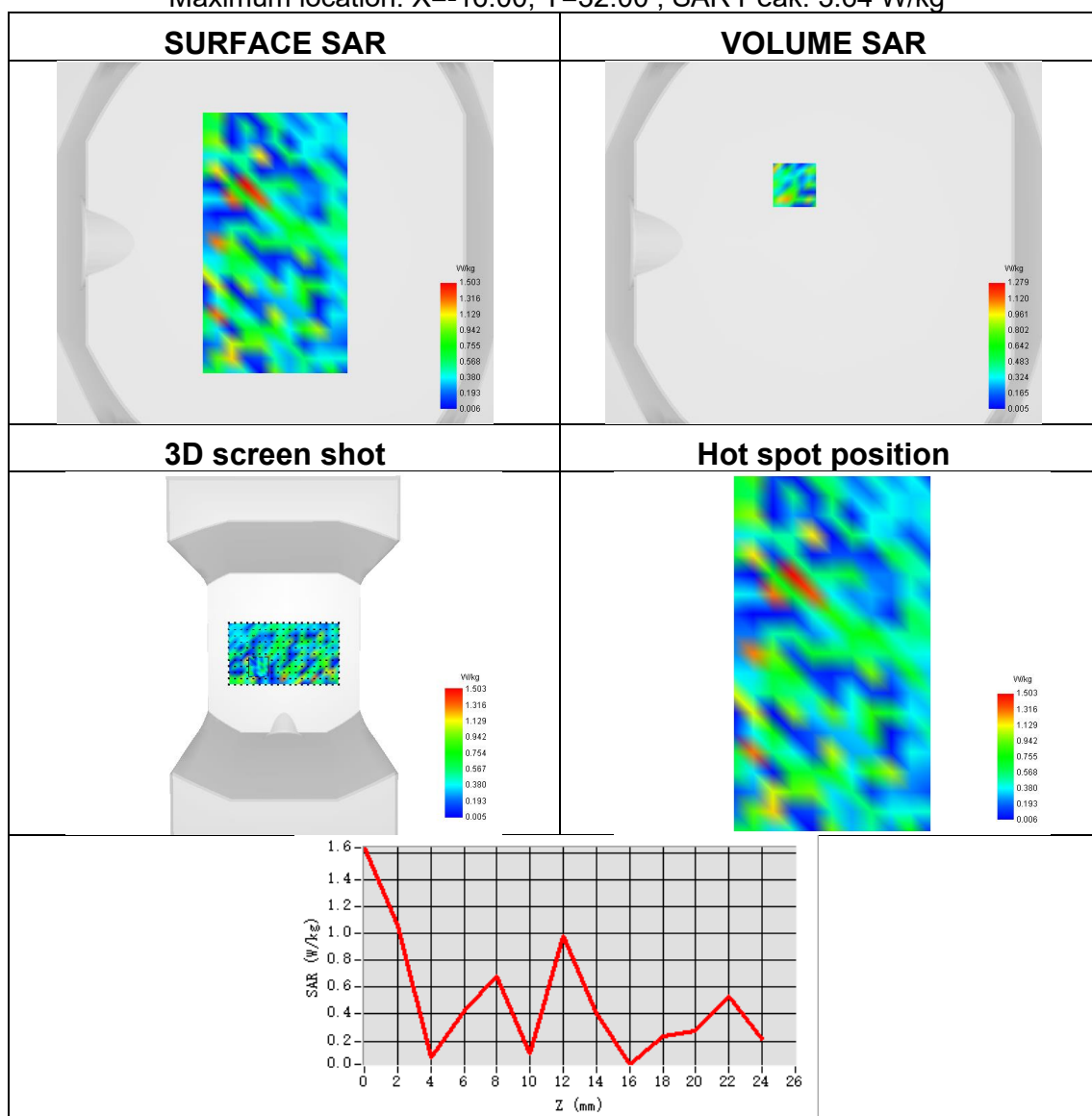




Plot 6:

Test Date	2025-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Horizontal-UP
Band	U-NII-2a ANT 2
Signal	IEEE 802.11a
Frequency	5260
SAR 10g (W/Kg)	0.251
SAR 1g (W/Kg)	0.525
ConvF	1.60
Relative permittivity	36.22
Conductivity (S/m)	4.85

Maximum location: X=-16.00, Y=32.00 ; SAR Peak: 3.64 W/kg

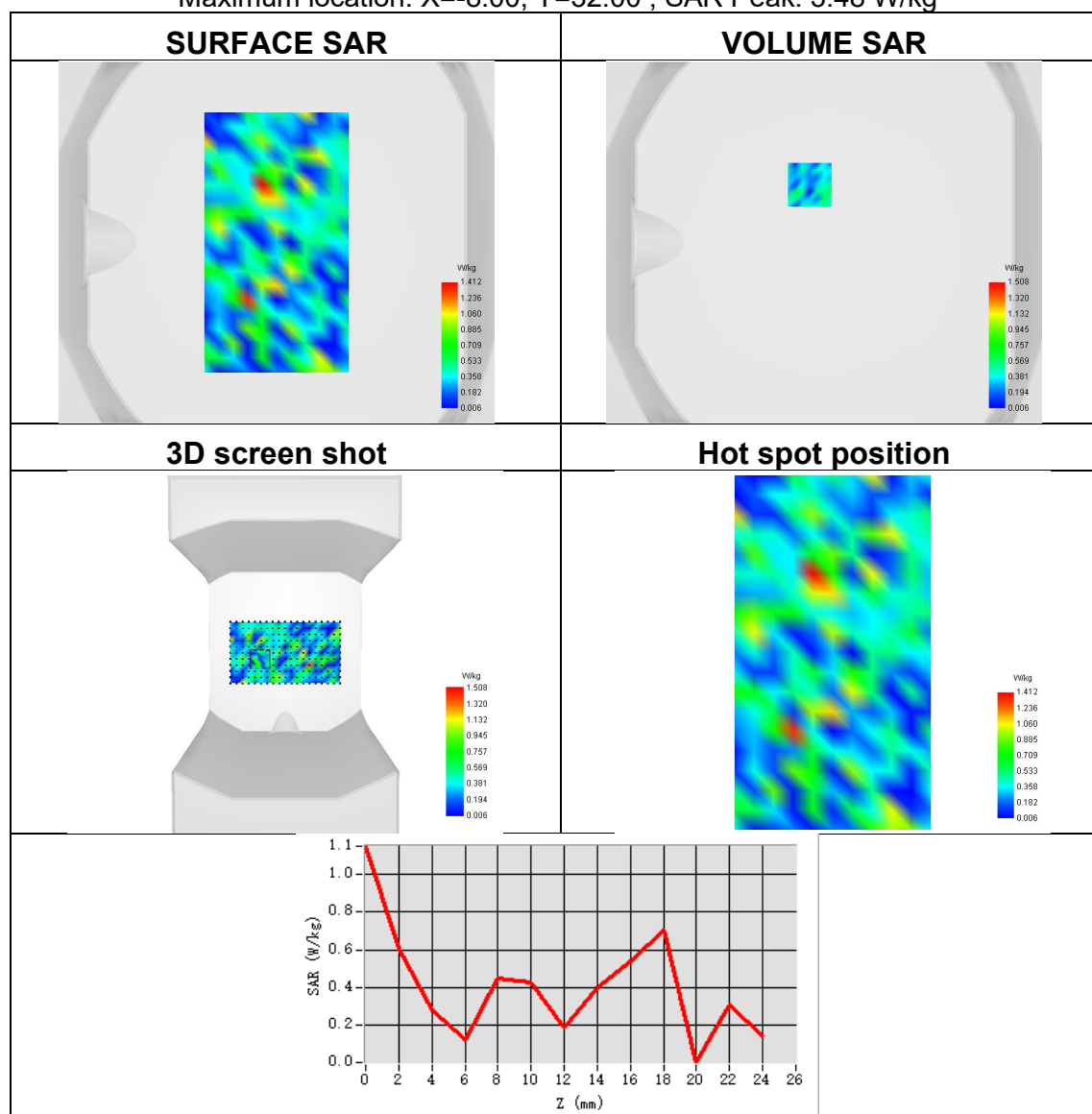




Plot 7:

Test Date	2025-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Horizontal-UP
Band	U-NII-2a MIMO 1
Signal	IEEE 802.11ac
Frequency	5270
SAR 10g (W/Kg)	0.302
SAR 1g (W/Kg)	0.585
ConvF	1.60
Relative permittivity	36.22
Conductivity (S/m)	4.85

Maximum location: X=-8.00, Y=32.00 ; SAR Peak: 3.48 W/kg

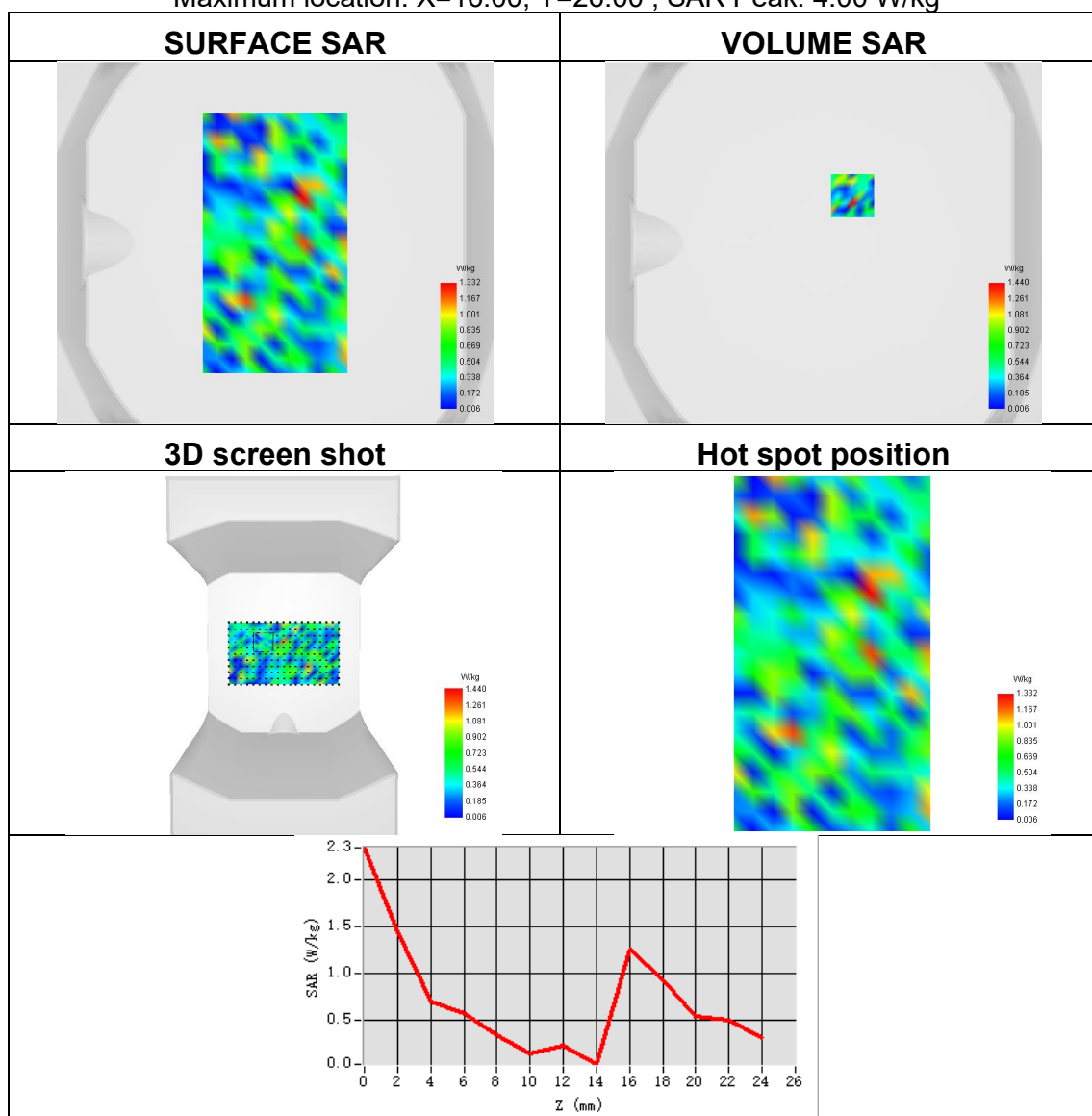




Plot 8:

Test Date	2025-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Horizontal-UP
Band	U-NII-2a MIMO 2
Signal	IEEE 802.11ac
Frequency	5270
SAR 10g (W/Kg)	0.277
SAR 1g (W/Kg)	0.364
ConvF	1.60
Relative permittivity	36.22
Conductivity (S/m)	4.85

Maximum location: X=16.00, Y=26.00 ; SAR Peak: 4.00 W/kg

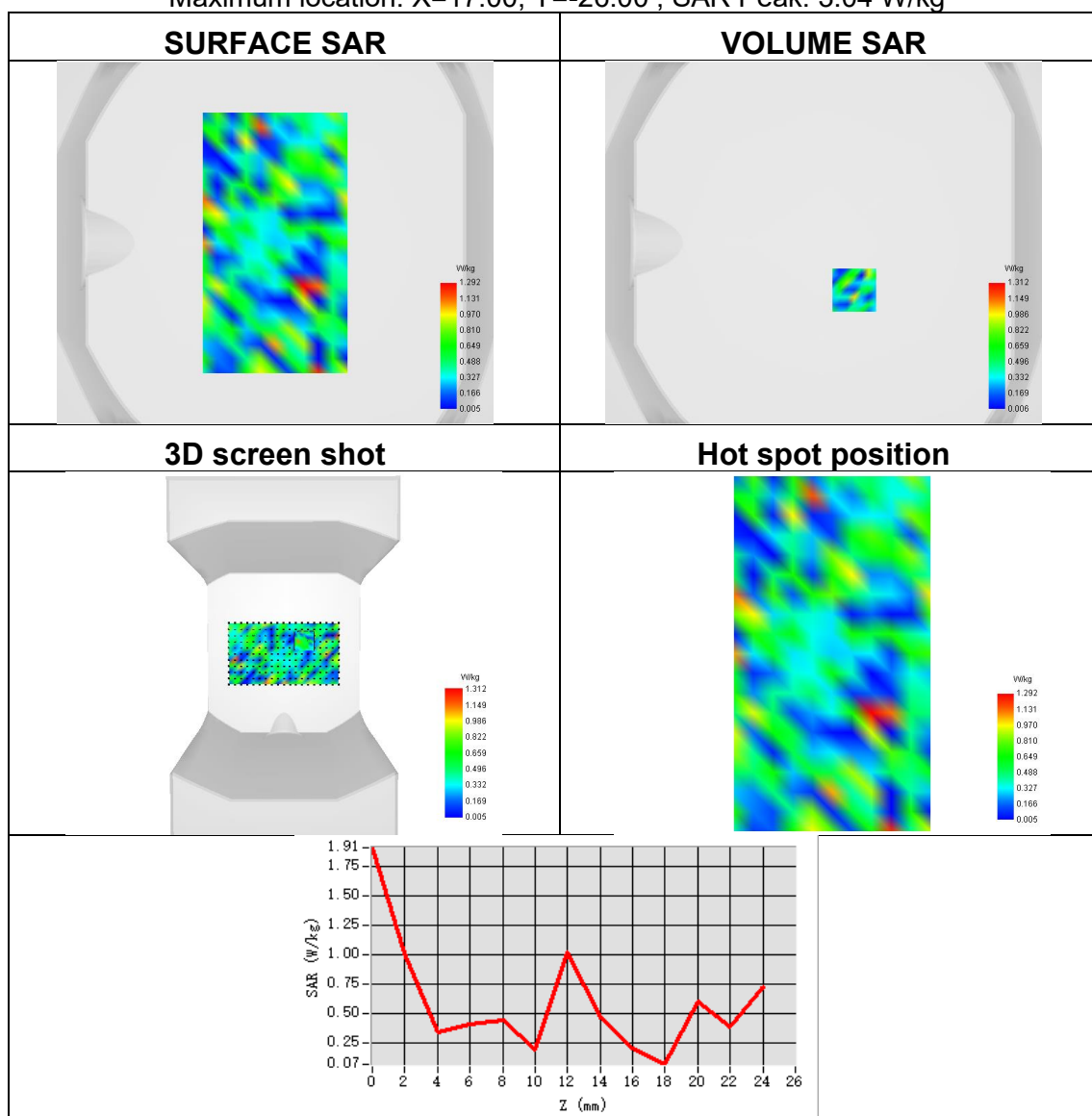




Plot 9:

Test Date	2025-07-13
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Horizontal-UP
Band	U-NII-2c ANT 1
Signal	IEEE 802.11a
Frequency	5580
SAR 10g (W/Kg)	0.311
SAR 1g (W/Kg)	0.550
ConvF	1.63
Relative permittivity	36.60
Conductivity (S/m)	5.11

Maximum location: X=17.00, Y=-26.00 ; SAR Peak: 3.04 W/kg

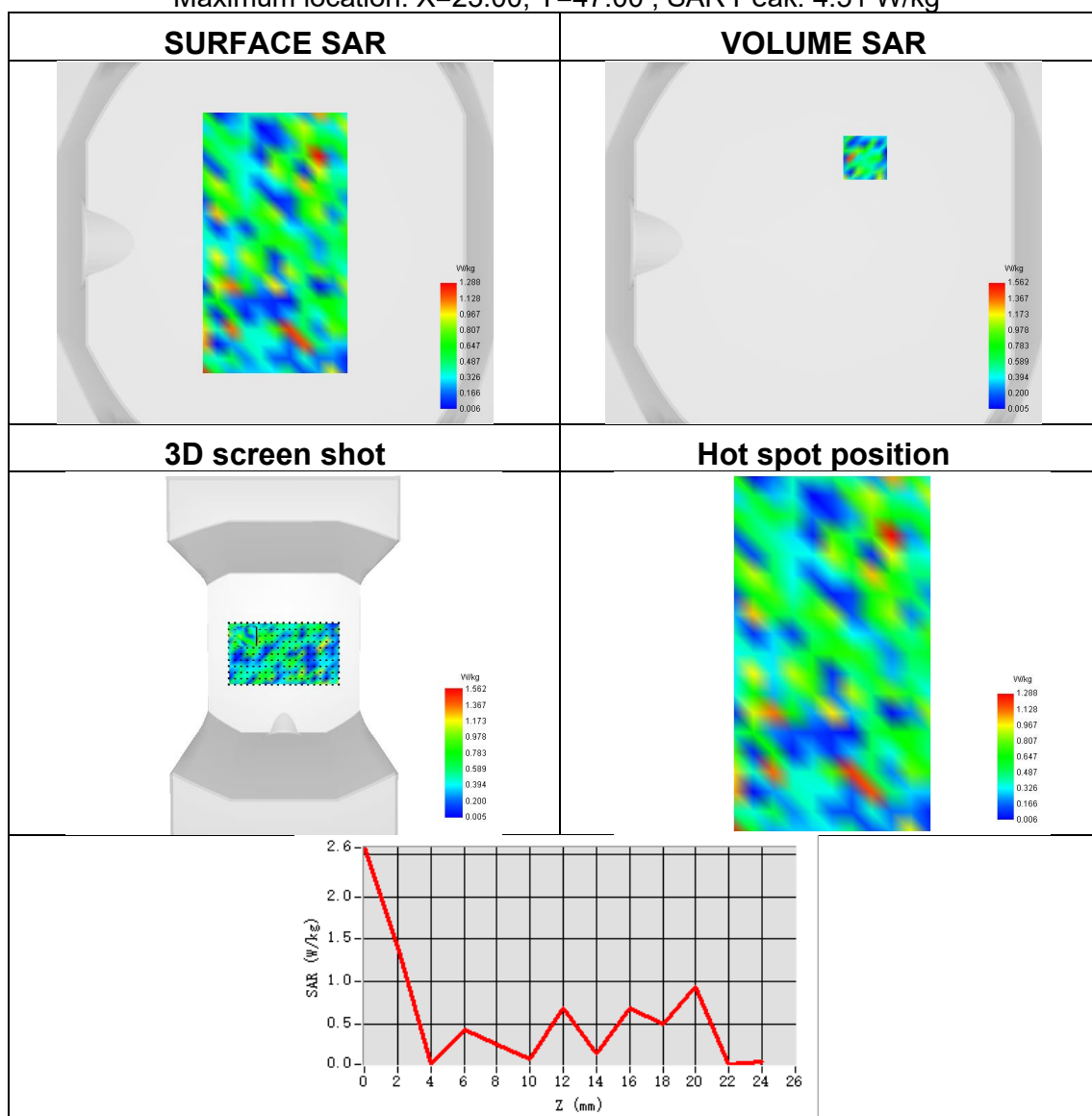




Plot 10:

Test Date	2025-07-13
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Horizontal-UP
Band	U-NII-2c ANT 2
Signal	IEEE 802.11a
Frequency	5700
SAR 10g (W/Kg)	0.372
SAR 1g (W/Kg)	0.836
ConvF	1.63
Relative permittivity	36.60
Conductivity (S/m)	5.11

Maximum location: X=23.00, Y=47.00 ; SAR Peak: 4.51 W/kg

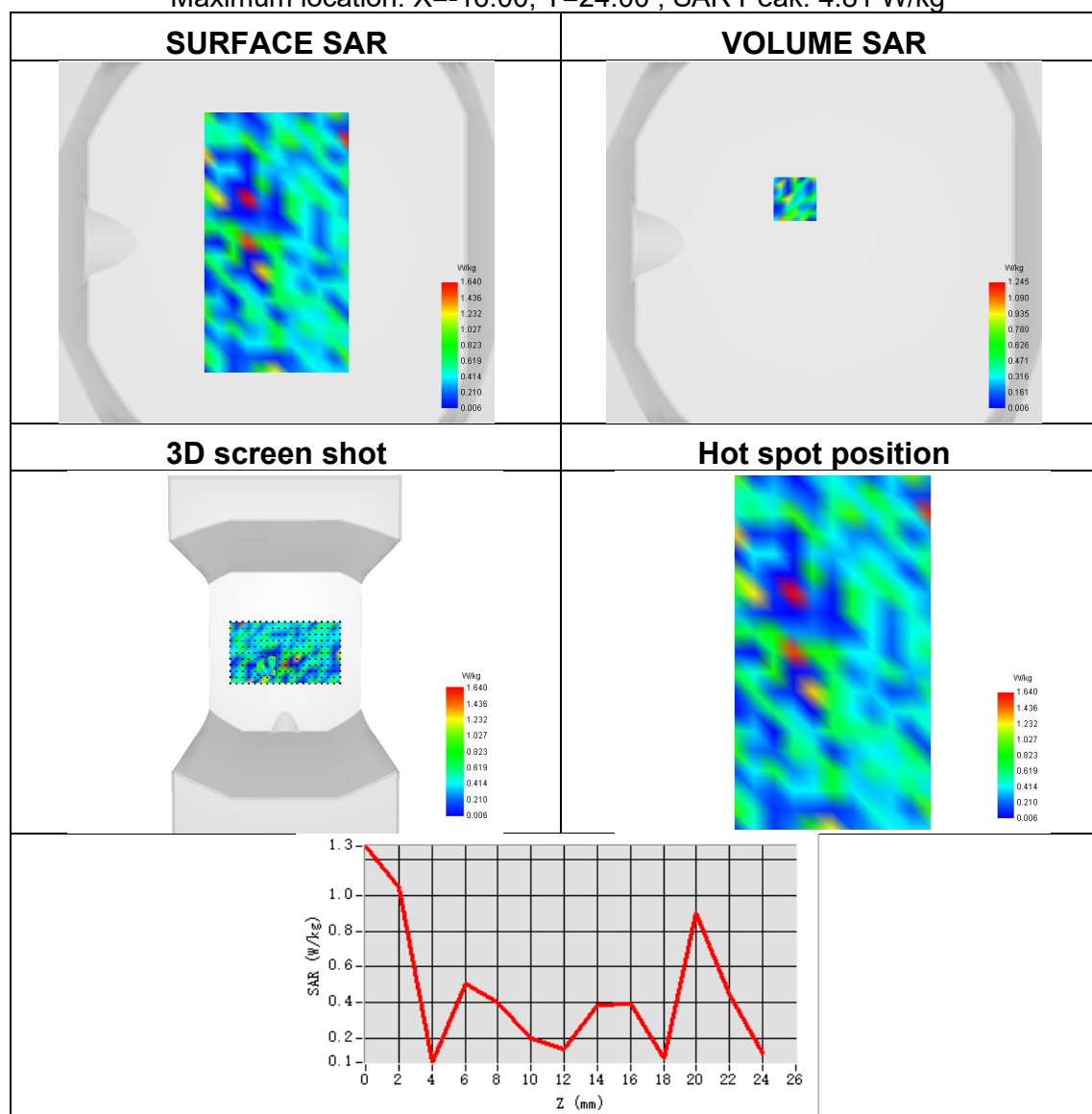




Plot 11:

Test Date	2025-07-13
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Horizontal-UP
Band	U-NII-2c MIMO 1
Signal	IEEE 802.11ac
Frequency	5700
SAR 10g (W/Kg)	0.313
SAR 1g (W/Kg)	0.490
ConvF	1.63
Relative permittivity	36.60
Conductivity (S/m)	5.11

Maximum location: X=-16.00, Y=24.00 ; SAR Peak: 4.81 W/kg

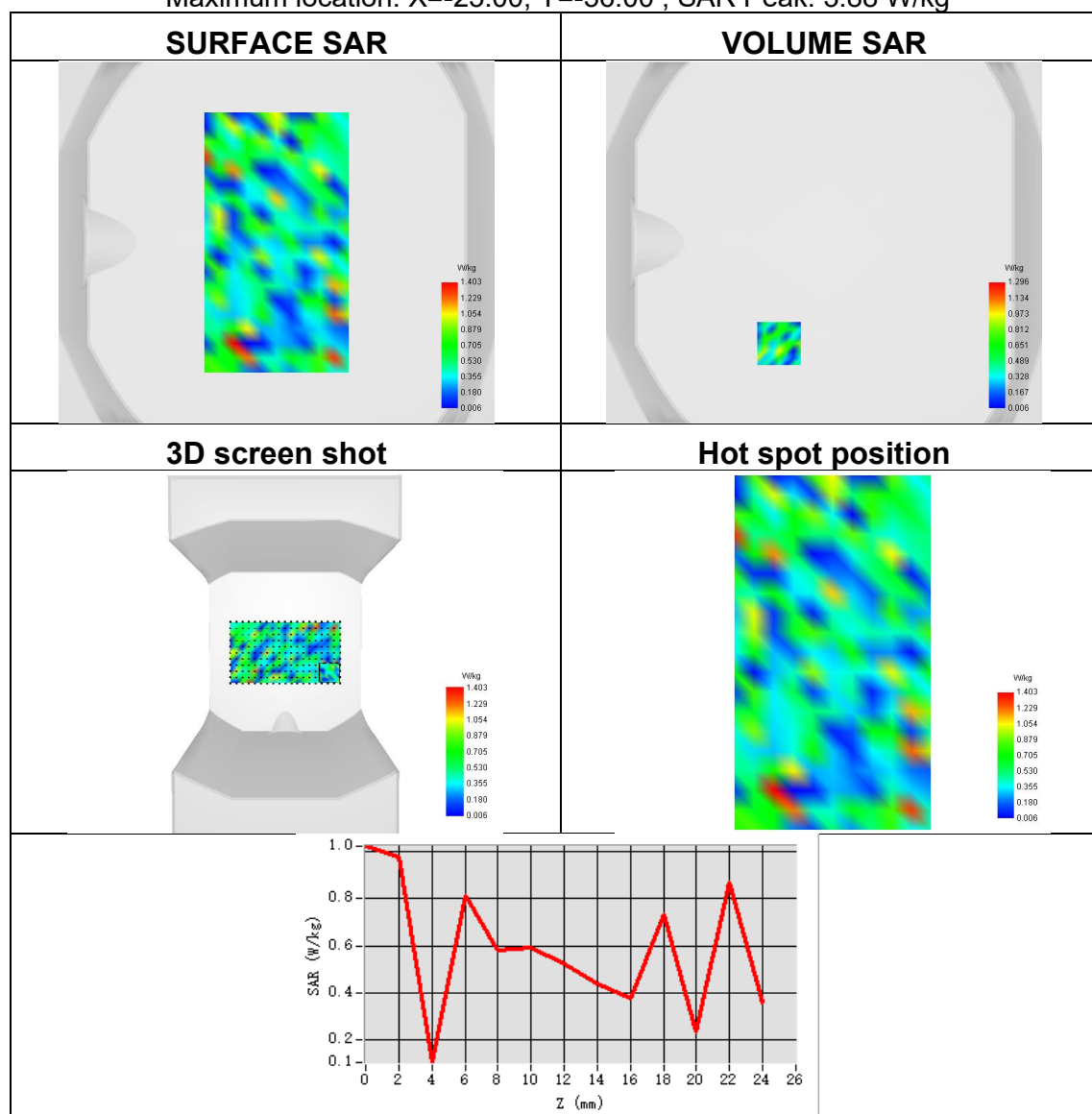




Plot 12:

Test Date	2025-07-13
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Horizontal-UP
Band	U-NII-2c MIMO 2
Signal	IEEE 802.11ac
Frequency	5700
SAR 10g (W/Kg)	0.330
SAR 1g (W/Kg)	0.523
ConvF	1.63
Relative permittivity	36.60
Conductivity (S/m)	5.11

Maximum location: X=-25.00, Y=-56.00 ; SAR Peak: 3.88 W/kg

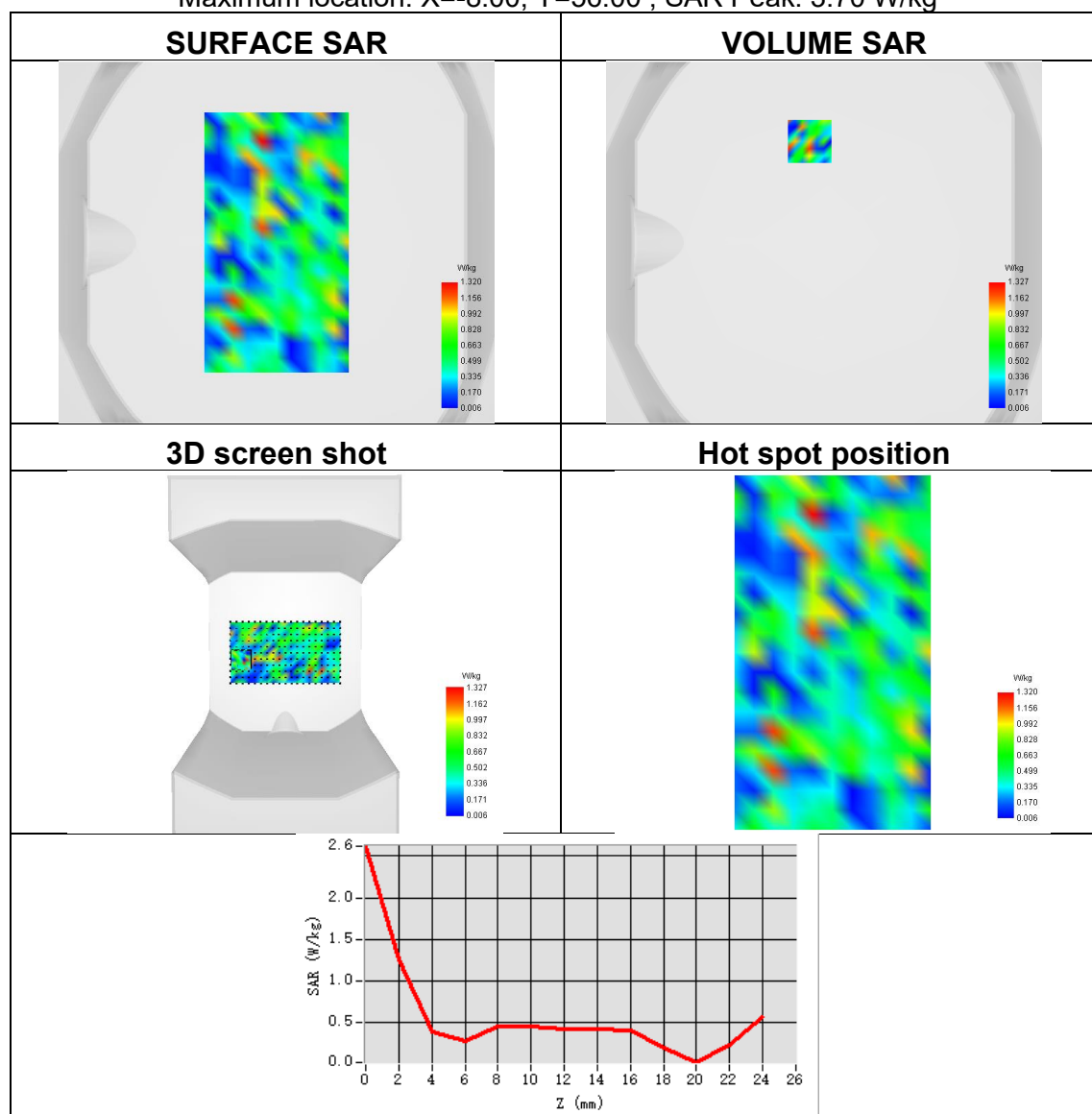




Plot 13:

Test Date	2025-07-13
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Horizontal-UP
Band	U-NII-3 ANT 1
Signal	IEEE 802.11a
Frequency	5825
SAR 10g (W/Kg)	0.332
SAR 1g (W/Kg)	0.601
ConvF	1.62
Relative permittivity	36.23
Conductivity (S/m)	5.19

Maximum location: X=-8.00, Y=56.00 ; SAR Peak: 3.70 W/kg

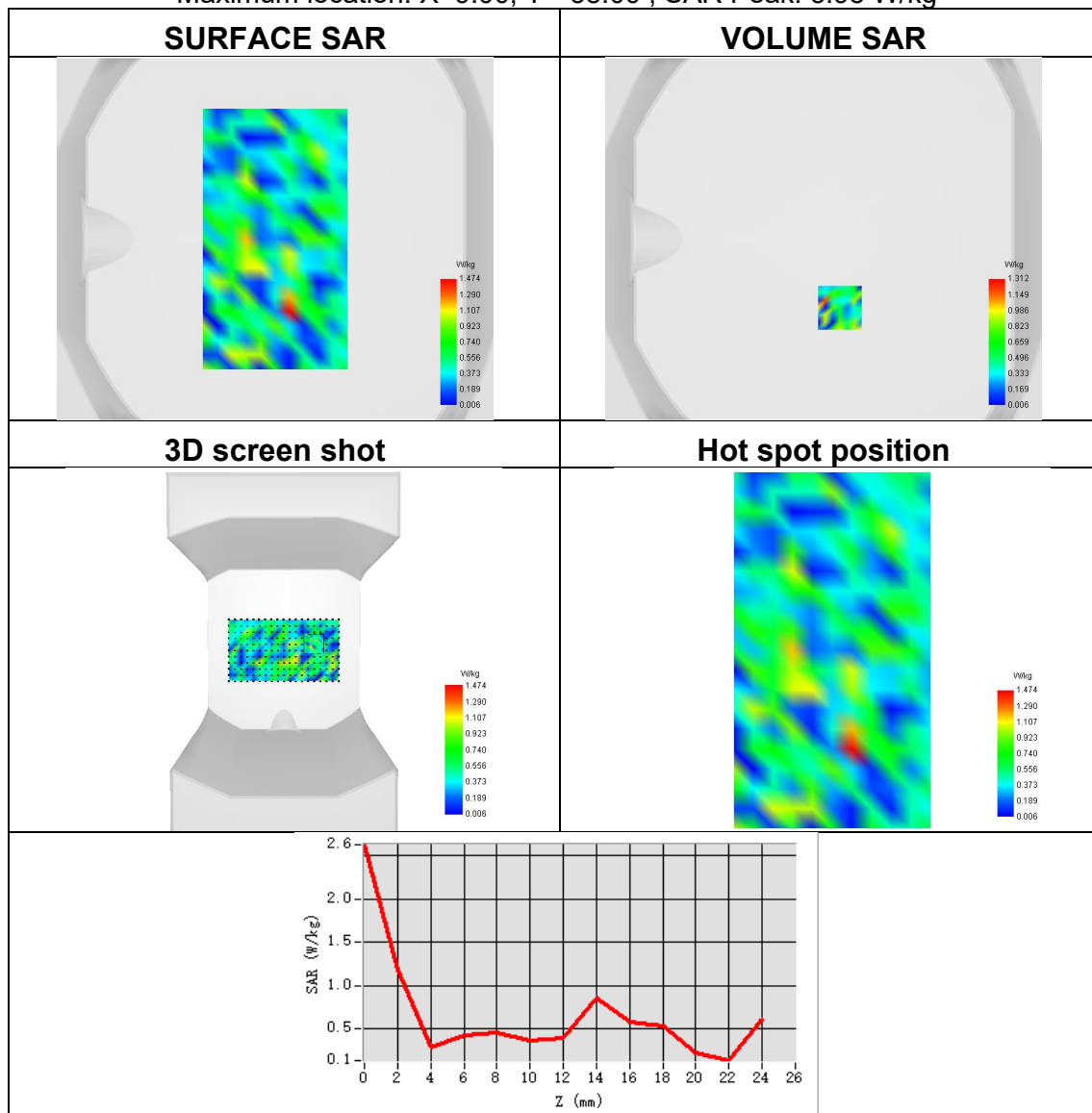




Plot 14:

Test Date	2025-07-13
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Horizontal-UP
Band	U-NII-3 ANT 2
Signal	IEEE 802.11a
Frequency	5825
SAR 10g (W/Kg)	0.352
SAR 1g (W/Kg)	0.540
ConvF	1.62
Relative permittivity	36.23
Conductivity (S/m)	5.19

Maximum location: X=9.00, Y=-38.00 ; SAR Peak: 3.95 W/kg

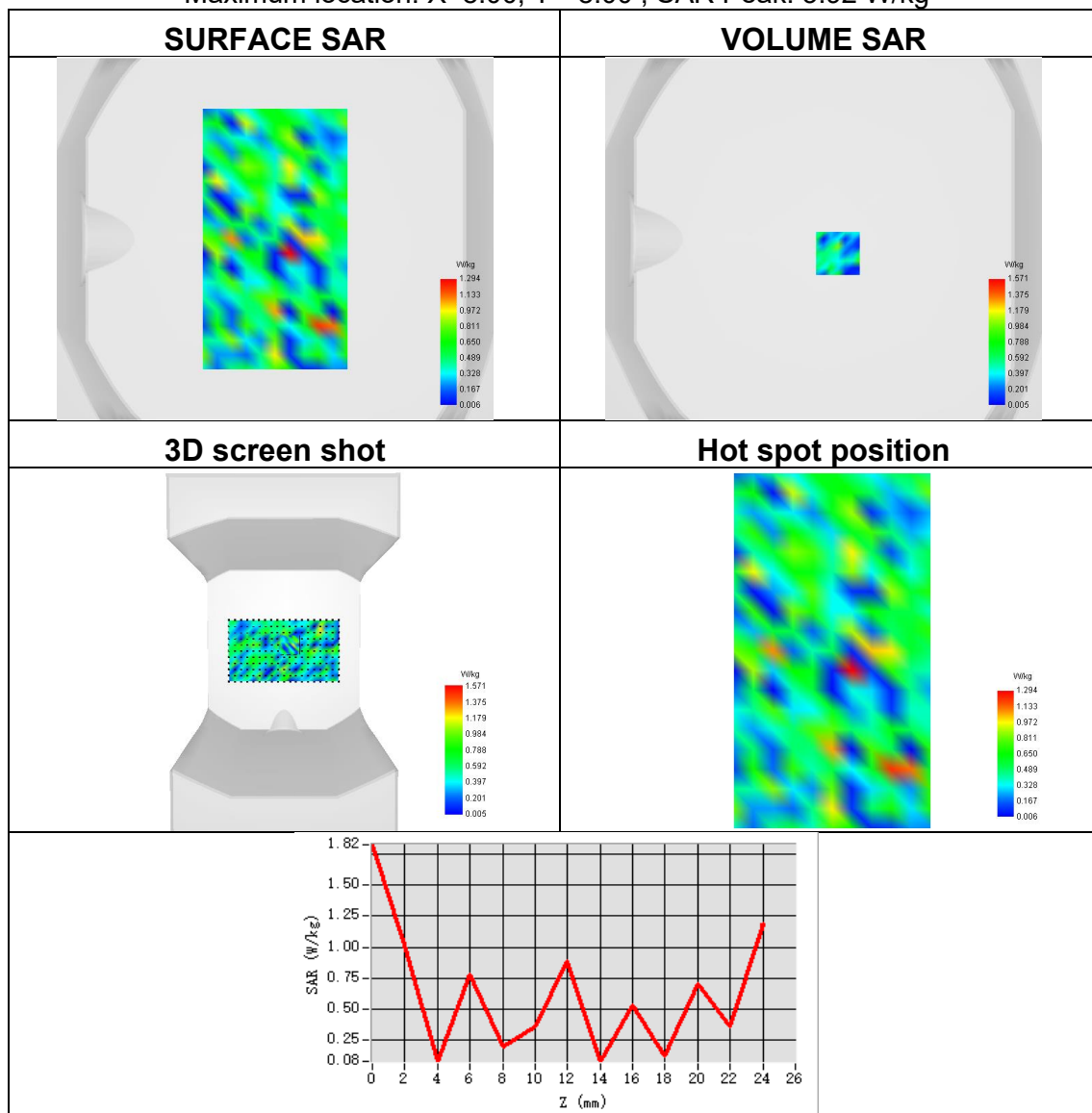




Plot 15:

Test Date	2025-07-13
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Horizontal-UP
Band	U-NII-3 MIMO 1
Signal	IEEE 802.11ac
Frequency	5795
SAR 10g (W/Kg)	0.315
SAR 1g (W/Kg)	0.526
ConvF	1.62
Relative permittivity	36.23
Conductivity (S/m)	5.19

Maximum location: X=8.00, Y=-8.00 ; SAR Peak: 3.92 W/kg

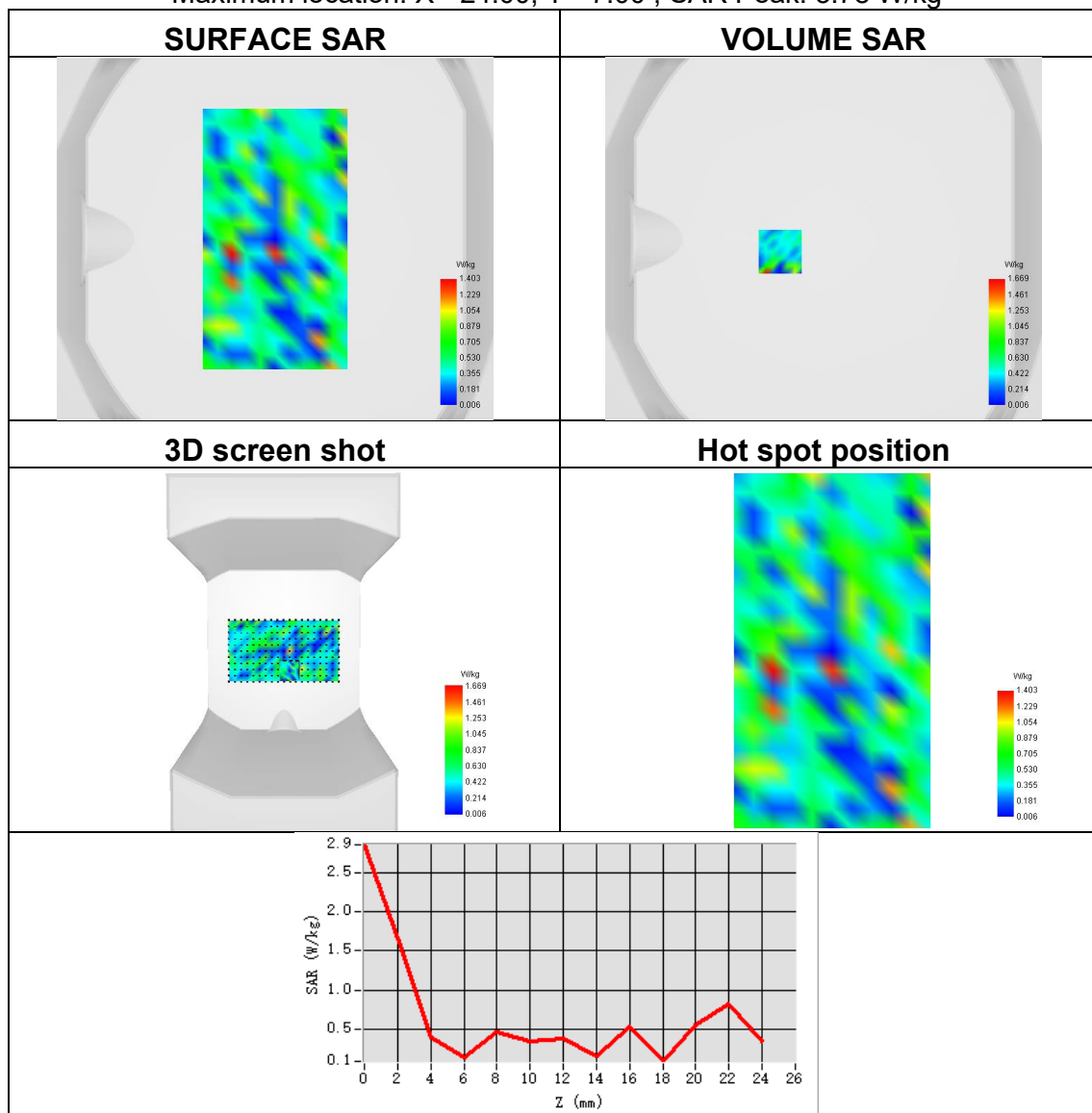




Plot 16:

Test Date	2025-07-13
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Horizontal-UP
Device Position	Back Side
Band	U-NII-3 MIMO 2
Signal	IEEE 802.11ac
Frequency	5795
SAR 10g (W/Kg)	0.294
SAR 1g (W/Kg)	0.553
ConvF	1.62
Relative permittivity	36.23
Conductivity (S/m)	5.19

Maximum location: X=-24.00, Y=-7.00 ; SAR Peak: 3.78 W/kg





Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※※END OF THE REPORT※※※※※