



SAR Test Report

Report No.: STS2603218H01

Issued for

HONG KONG LELEGAO TECHNOLOGY CO., LIMITED

19H Maxgrand Plaza, No.3 Tai Yau Street, San Po Kong,
Kowloon, HongKong, China

Product Name: Laptop

Brand Name: Blackview

Model Name: AceBook 8 Pro

Series Model(s): N/A

FCC ID: 2BSW8-ACEBOOK8PRO

Test Standard: ANSI/IEEE Std. C95.1
FCC 47 CFR Part 2 (2.1093)
IEEE Std. 1528-2013

Max. Report SAR (1g) Body: 0.604 W/kg

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

**TEST REPORT CERTIFICATION**

Applicant's name : HONG KONG LELEGAO TECHNOLOGY CO.,LIMITED
Address : 19H Maxgrand Plaza, No.3 Tai Yau Street, San Po Kong,
Kowloon, HongKong, China
Manufacturer's Name : Shenzhen Doke Electronic Co., LTD
Address : 801, Building3, 7th Industrial Zone, Yulv Community, Yutang
Road, Guangming District, Shenzhen, Chin

Product description

Product name : Laptop
Brand name : Blackview
Model name : AceBook 8 Pro
Series Model(s) : N/A

Standards : ANSI/IEEE Std. C95.1
FCC 47 CFR Part 2 (2.1093)
IEEE Std. 1528-2013

The device was tested by Shenzhen STS Test Services Co., Ltd. in accordance with the measurement methods and procedures specified in KDB 865664 The test results in this report apply only to the tested sample of the stated device/equipment. Other similar device/equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Date of Test..... :

Date (s) of performance of tests..... : 05 Apr. 2026

Date of Issue..... : 24 Apr. 2026

Test Result..... : **Pass**

Testing Engineer :

Xin Liu

(Xin.Liu)

Technical Manager :

Shi fan-long

(Shifan. Long)

Authorized Signatory :

Bovey Yang

(Bovey Yang)





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Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	05 Apr. 2026	STS2603218H01	ALL	Initial Issue



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	Laptop	
Brand Name	Blackview	
Model Name	AceBook 8 Pro	
Series Model	N/A	
Model Difference	N/A	
Sample number	260317004-1	
Battery	Model: 4264125-2S1P Rated Voltage: 7.6V Charge Limit Voltage: 8.7V Capacity: 5000mAh	
Device Category	Portable	
Product stage	Production unit	
RF Exposure Environment	General Population / Uncontrolled	
Hardware Version	NBPC02	
Software Version	Windows 11 Pro	
Frequency Range	WLAN802.11b/g/n20: 2412 MHz ~ 2462 MHz WLAN802.11n40: 2422 MHz ~ 2452 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5150 ~ 5250 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5725 ~ 5850 MHz BT/BLE: 2402 MHz to 2480 MHz	
Max. Reported SAR(1g): (Limit: 1.6W/kg) Test distance: Body: 0mm	Mode	Body Worn (W/kg)
	2.4G WLAN Ant 1	0.285
	2.4G WLAN Ant 1	0.339
	BT	0.058
	5.2G WLAN Ant 1	0.323
	5.2G WLAN Ant 2	0.337
	5.8G WLAN Ant 1	0.604
	5.8G WLAN Ant 2	0.345
1g_sum SAR		0.403
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 5G WLAN: 802.11a(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11n(OFDM): BPSK, QPSK, 16-QAM, 64-QAM Bluetooth: GFSK + $\pi/4$ DQPSK + 8DPSK BLE: GFSK	
Antenna Specification:	BT/BLE: PIFA antenna WLAN: PIFA antenna	
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

ShenZhen STS Test Services Co.,Ltd.

101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration No.: 625569

IC Registration No.: 12108A

A2LA Certificate No.: 4338.01



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	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. It specifies the maximum exposure limit of 1.6 W/kg as averaged over any 1 gram of tissue for portable devices being used within 20 cm of the user in the uncontrolled environment.
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 D04 v01	RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices
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 616217 D04 v01r02	SAR for laptop and tablets
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:

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

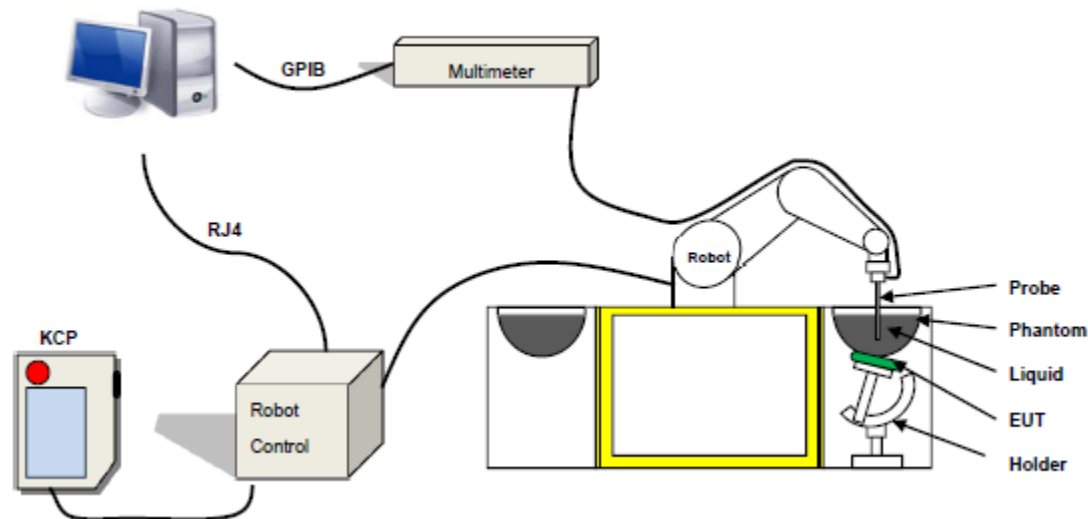
SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

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

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 Open SAR software computes the results to give a SAR value in a 1g or 10g mass.

3.2.1 Probe

For the measurements the Specific Dosimetric E-Field Probe SN 08/21 EPGO352 with following specifications is used

- Probe Length: 330 mm
- Length of Individual Dipoles: 2 mm
- 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: 150 MHz to 6 GHz for head & body simulating liquid.
- Angle between probe axis (evaluation axis) and surface normal line: less than 30°



Figure 1-MVG COMOSAR Dosimetric E field Dipole

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.

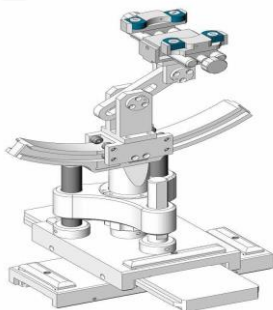
SN 32/14 SAM115



Figure-SN 21/21 ELLI48



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. 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



The following table gives the recipes for tissue simulating liquid and the theoretical Conductivity/Permittivity.

Head (Reference IEEE1528)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ϵ
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
900	40.3	57.9	0.2	1.4	0.2	0	0.97	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5	1.4	40.0
2450	55.0	0	0	0.1	0	44.9	1.80	39.2
2600	54.9	0	0	0.1	0	45.0	1.96	39.0
Frequency (MHz)	Water (%)	Hexyl Carbitol (%)			Triton X-100 (%)		Conductivity σ (S/m)	Permittivity ϵ
5200	62.52	17.24			17.24		4.66	36.0
5800	62.52	17.24			17.24		5.27	35.3
Body (From instrument manufacturer)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ϵ
750	51.7	47.2	0	0.9	0.1	0	0.96	55.5
835	50.8	48.2	0	0.9	0.1	0	0.97	55.2
900	50.8	48.2	0	0.9	0.1	0	1.05	55.0
1800, 1900, 2000	70.2	0	0	0.4	0	29.4	1.52	53.3
2450	68.6	0	0	0.1	0	31.3	1.95	52.7
2600	68.2	0	0	0.1	0	31.7	2.16	52.5
Frequency(MHz)	Water	DGBE (%)			Salt (%)		Conductivity σ (S/m)	Permittivity ϵ
5200	78.60	21.40			/		5.30	49.00
5800	78.50	21.40			0.1		6.00	48.20

**LIQUID MEASUREMENT RESULTS**

Date	Ambient		Simulating Liquid		Parameters	Target	Measured	Deviation %	Limited %
	Temp. [°C]	Humidity %	Frequency (MHz)	Temp. [°C]					
2026-04-05	22.7	44	2412	22.5	Permittivity	39.27	39.63	0.92	±5
					Conductivity	1.77	1.75	-0.92	±5
2026-04-05	22.7	44	2450	22.5	Permittivity	39.20	39.84	1.63	±5
					Conductivity	1.80	1.78	-1.11	±5
2026-04-05	22.7	44	2462	22.5	Permittivity	39.18	39.33	0.39	±5
					Conductivity	1.81	1.80	-0.59	±5
2026-04-05	22.7	44	2480	22.5	Permittivity	39.15	39.25	0.26	±5
					Conductivity	1.83	1.81	-0.91	±5
2026-04-05	22.7	44	5200	22.5	Permittivity	36.00	36.47	1.31	±5
					Conductivity	4.66	4.66	0.00	±5
2026-04-05	22.7	44	5230	22.5	Permittivity	35.97	36.34	1.03	±5
					Conductivity	4.69	4.71	0.39	±5
2026-04-05	22.7	44	5240	22.5	Permittivity	35.96	36.81	2.36	±5
					Conductivity	4.70	4.70	-0.04	±5
2026-04-05	22.7	44	5755	22.5	Permittivity	35.35	35.23	-0.33	±5
					Conductivity	5.22	5.21	-0.24	±5
2026-04-05	22.7	44	5800	22.5	Permittivity	35.30	35.35	0.14	±5
					Conductivity	5.27	5.28	0.19	±5
2026-04-05	22.7	44	5825	22.5	Permittivity	35.28	35.11	-0.47	±5
					Conductivity	5.30	5.27	-0.50	±5

Note:

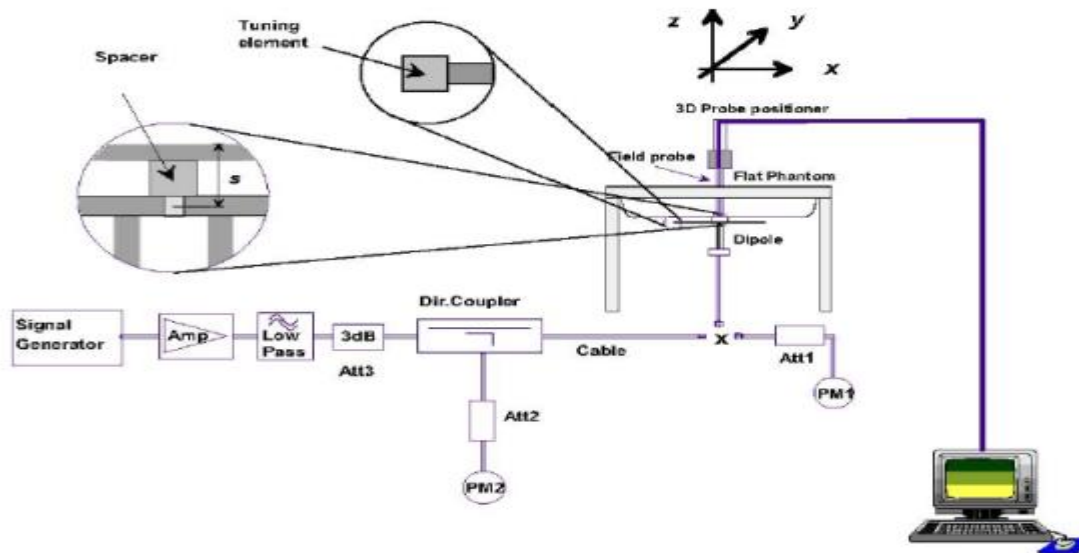
(1) We use a CW signal of 20dBm(2450MHz) and 10dBm(5000-6000MHz) for system check, and then all SAR values are normalized to 1W forward power. The result must be within ±10% of target value.

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

Justification for Extended SAR Dipole Calibrations

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

Date	Frequency (MHz)	Power	SAR _{1g} (W/Kg)	SAR _{10g} (W/Kg)	Drift (%)	1W Target		Difference percentage		Limited %
						SAR _{1g} (W/Kg)	SAR _{10g} (W/Kg)	1g	10g	
2026-04-05	2450	100 mW	5.469	2.436	0.52	54.70	24.11	-0.02%	1.04%	10
		Normalize to 1 Watt	54.69	24.36						
2026-04-05	5200	10 mW	1.667	0.603	-2.24	163.88	57.29	1.72%	5.25%	10
		Normalize to 1 Watt	166.70	60.30						
2026-04-05	5800	10 mW	1.944	0.645	2.98	188.95	63.45	2.88%	1.65%	10
		Normalize to 1 Watt	194.40	64.50						



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.



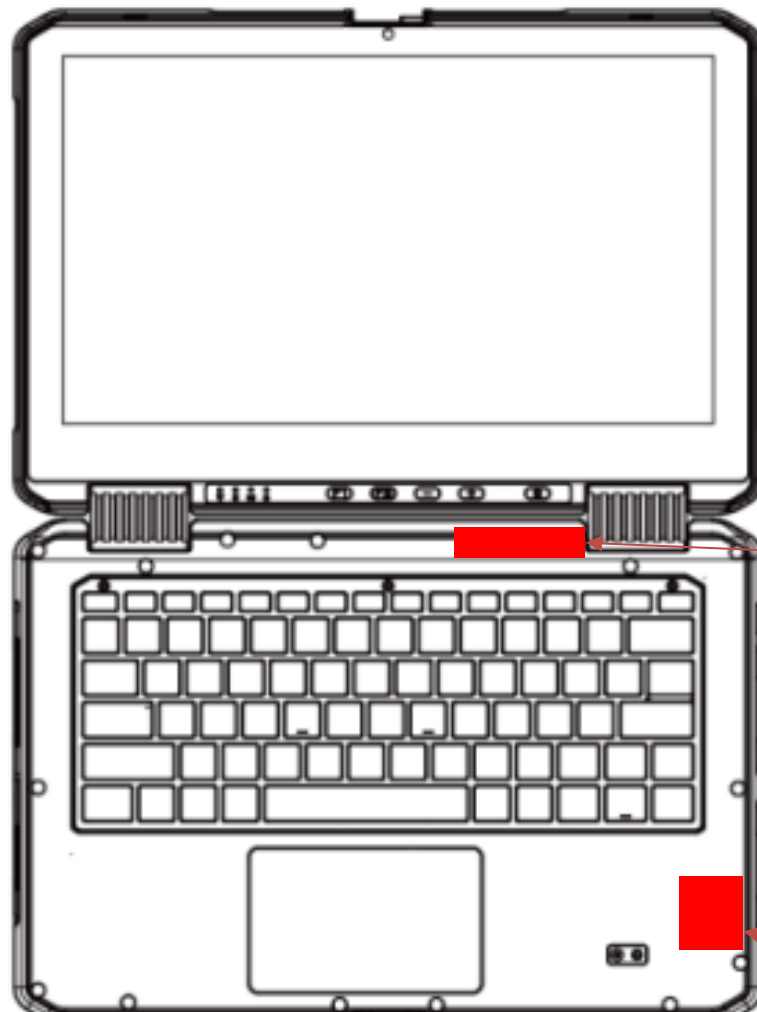
7. EUT Antenna Location Sketch

It is a Laptop, support WLAN/BT mode.

Top side

Left side

Right side



WLAN/BT ANT1

WLAN ANT 2

Bottom side



7.1 SAR Test Exclusions Applied

Standalone SAR test exclusion applies 447498 D04 Interim General Radio Frequency Exposure Guidelines v01. The available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold P_{th} (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by:

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

Where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right) \text{ and } f \text{ is in GHz;}$$

and

$$ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

d = the separation distance (cm);

Function	Fre. (GHz)	Separation distance (cm)	Max Turn up power (dBm)	Max Turn up power (mW)	P_{th} (mW)
BLE	2.44	0.5	2	1.585	2.75

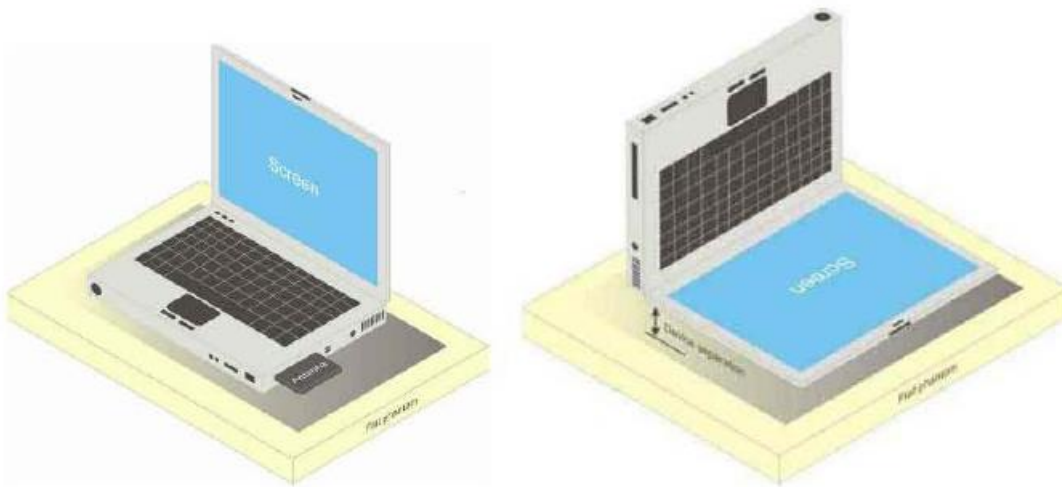
Note: The Maximum power is less than the P_{th} , complies with the exemption requirements.

8. EUT Test Position

This EUT was tested in Back Side. Front Side. Top Side, Bottom Side, Left Side.

8.1 Body-worn Position Conditions

The required minimum test separation distance for incorporating transmitters and antennas into laptop, Laptop and netbook computer displays is determined with the display screen opened at an angle of 90° to the keyboard compartment. If a computer has other operating configurations that require a different or more conservative display to keyboard angle for normal use, a KDB inquiry should be submitted to determine the test requirements. When antennas are incorporated in the keyboard section of a laptop computer, SAR is required for the bottom surface of the keyboard. Provided tablet use conditions are not supported by the laptop computer, SAR tests for bystander exposure from the edges of the Keyboard and display screen of laptop computers are generally not required.





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 $k=2$.

SATIMO Uncertainty- SN 08/21 EPG0352									
Measurement uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+ - %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+ %)	10g Ui (+ %)	vi
Measurement System									
Probe calibration	E.2.1	5.72	N	1.00	1.00	1.00	5.72	5.72	∞
Axial Isotropy	E.2.2	0.18	R	1.73	0.71	0.71	0.07	0.07	∞
Hemispherical Isotropy	E.2.2	1.04	R	1.73	0.71	0.71	0.42	0.42	∞
Boundary effect	E.2.3	0.80	R	1.73	1.00	1.00	0.46	0.46	∞
Linearity	E.2.4	1.25	R	1.73	1.00	1.00	0.72	0.72	∞
System detection limits	E.2.4	1.20	R	1.73	1.00	1.00	0.69	0.69	∞
Modulation response	E.2.5	3.42	R	1.73	1.00	1.00	1.97	1.97	∞
Readout Electronics	E.2.6	0.26	N	1.00	1.00	1.00	0.26	0.26	∞
Response Time	E.2.7	0.17	R	1.73	1.00	1.00	0.10	0.10	∞
Integration Time	E.2.8	1.43	R	1.73	1.00	1.00	0.83	0.83	∞
RF ambient conditions-Noise	E.6.1	3.51	R	1.73	1.00	1.00	2.03	2.03	∞
RF ambient conditions- reflections	E.6.1	3.15	R	1.73	1.00	1.00	1.82	1.82	∞
Probe positioner mechanical tolerance	E.6.2	1.20	R	1.73	1.00	1.00	0.69	0.69	∞
Probe positioning with respect to phantom shell	E.6.3	1.40	R	1.73	1.00	1.00	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.10	R	1.73	1.00	1.00	1.21	1.21	∞
Test sample Related									
Test sample positioning	E.4.2	3.10	N	1.00	1.00	1.00	3.10	3.10	∞
Device holder uncertainty	E.4.1	3.80	N	1.00	1.00	1.00	3.80	3.80	∞
Output power variation— SAR drift measurement	E.2.9	4.50	R	1.73	1.00	1.00	2.60	2.60	∞
SAR scaling	E.6.5	1.80	R	1.73	1.00	1.00	1.04	1.04	∞
Phantom and tissue parameters									
Phantom shell uncertainty— shape, thickness, and permittivity	E.3.1	3.70	R	1.73	1.00	1.00	2.14	2.14	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.90	N	1.00	1.00	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	2.40	R	1.73	0.78	0.71	1.08	0.98	M
Liquid permittivity measurement	E.3.3	4.10	N	1.00	0.78	0.71	3.20	2.91	M
Liquid conductivity— temperature uncertainty	E.3.4	2.70	R	1.73	0.23	0.26	0.36	0.41	∞
Liquid permittivity— temperature uncertainty	E.3.4	4.80	N	1.00	0.23	0.26	1.10	1.25	∞
Combined Standard Uncertainty			RSS				10.08	9.59	
Expanded Uncertainty (95% Confidence interval)			K=2				19.58	19.18	



SATIMO Uncertainty- SN 08/21 EPGO352									
System Validation uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+-%)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System									
Probe calibration	E.2.1	5.72	N	1.00	1.00	1.00	5.72	5.72	∞
Axial Isotropy	E.2.2	0.18	R	1.73	1.00	1.00	0.10	0.10	∞
Hemispherical Isotropy	E.2.2	1.04	R	1.73	0.00	0.00	0.00	0.00	∞
Boundary effect	E.2.3	0.80	R	1.73	1.00	1.00	0.46	0.46	∞
Linearity	E.2.4	1.25	R	1.73	1.00	1.00	0.72	0.72	∞
System detection limits	E.2.4	1.20	R	1.73	1.00	1.00	0.69	0.69	∞
Modulation response	E.2.5	3.42	R	1.73	0.00	0.00	0.00	0.00	∞
Readout Electronics	E.2.6	0.26	N	1.00	1.00	1.00	0.26	0.26	∞
Response Time	E.2.7	0.17	R	1.73	0.00	0.00	0.00	0.00	∞
Integration Time	E.2.8	1.43	R	1.73	0.00	0.00	0.00	0.00	∞
RF ambient conditions-Noise	E.6.1	3.51	R	1.73	1.00	1.00	2.03	2.03	∞
RF ambient conditions-reflections	E.6.1	3.15	R	1.73	1.00	1.00	1.82	1.82	∞
Probe positioner mechanical tolerance	E.6.2	1.20	R	1.73	1.00	1.00	0.69	0.69	∞
Probe positioning with respect to phantom shell	E.6.3	1.40	R	1.73	1.00	1.00	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.10	R	1.73	1.00	1.00	1.21	1.21	∞
System validation source									
Deviation of experimental dipole from numerical dipole	E.6.4	4.80	N	1.00	1.00	1.00	4.80	4.80	∞
Input power and SAR drift measurement	8,6.6.4	5.10	R	1.73	1.00	1.00	2.94	2.94	∞
Dipole axis to liquid distance	8,E.6.6	2.40	R	1.73	1.00	1.00	1.39	1.39	∞
Phantom and set-up									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	3.70	R	1.73	1.00	1.00	2.14	2.14	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.90	N	1.00	1.00	0.84	1.90	1.60	∞
Liquid conductivity (temperature uncertainty)	E.3.3	2.40	R	1.73	0.78	0.71	1.08	0.98	∞
Liquid conductivity (measured)	E.3.3	4.10	N	1.00	0.78	0.71	3.20	2.91	M
Liquid permittivity (temperature uncertainty)	E.3.4	2.70	R	1.73	0.23	0.26	0.36	0.41	∞
Liquid permittivity (measured)	E.3.4	4.80	N	1.00	0.23	0.26	1.10	1.25	M
Combined Standard Uncertainty			RSS				9.72	9.52	
Expanded Uncertainty (95% Confidence interval)			K=2				19.44	19.03	



SATIMO Uncertainty- SN 08/21 EPG0352									
。 System Check uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+ - %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+- %)	10g Ui (+-%)	vi
Measurement System									
Probe calibration drift	E.2.1.3	5.72	N	1.00	1.00	1.00	5.72	5.72	∞
Axial Isotropy	E.2.2	0.18	R	1.73	0.00	0.00	0.00	0.00	∞
Hemispherical Isotropy	E.2.2	1.04	R	1.73	0.00	0.00	0.00	0.00	∞
Boundary effect	E.2.3	0.8	R	1.73	0.00	0.00	0.00	0.00	∞
Linearity	E.2.4	1.25	R	1.73	0.00	0.00	0.00	0.00	∞
System detection limits	E.2.4	1.20	R	1.73	0.00	0.00	0.00	0.00	∞
Modulation response	E.2.5	3.42	R	1.73	0.00	0.00	0.00	0.00	∞
Readout Electronics	E.2.6	0.26	N	1.00	0.00	0.00	0.00	0.00	∞
Response Time	E.2.7	0.17	R	1.73	0.00	0.00	0.00	0.00	∞
Integration Time	E.2.8	1.43	R	1.73	0.00	0.00	0.00	0.00	∞
RF ambient conditions- Noise	E.6.1	3.51	R	1.73	0.00	0.00	0.00	0.00	∞
RF ambient conditions- reflections	E.6.1	3.15	R	1.73	0.00	0.00	0.00	0.00	∞
Probe positioner mechanical tolerance	E.6.2	1.2	R	1.73	1.00	1.00	0.69	0.69	∞
Probe positioning with respect to phantom shell	E.6.3	1.4	R	1.73	1.00	1.00	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	3.9	R	1.73	0.00	0.00	0.00	0.00	∞
System check source (dipole)									
Deviation of experimental dipoles	E.6.4	4.8	N	1.00	1.00	1.00	4.80	4.80	∞
Input power and SAR drift measurement	8,6.6.4	5.1	R	1.73	1.00	1.00	2.94	2.94	∞
Dipole axis to liquid distance	8,E.6.6	2.4	R	1.73	1.00	1.00	1.39	1.39	∞
Phantom and tissue parameters									
Phantom shell uncertainty— shape, thickness, and permittivity	E.3.1	3.7	R	1.73	1.00	1.00	2.14	2.14	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1.00	1.00	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	2.4	R	1.73	0.78	0.71	1.08	0.98	∞
Liquid permittivity measurement	E.3.3	4.1	N	1.00	0.78	0.71	3.20	2.91	M
Liquid conductivity— temperature uncertainty	E.3.4	2.7	R	1.73	0.23	0.26	0.36	0.41	∞
Liquid permittivity— temperature uncertainty	E.3.4	4.8	N	1.00	0.23	0.26	1.10	1.25	M
Combined Standard Uncertainty			RSS				5.56	5.20	
Expanded Uncertainty (95% Confidence interval)			K=2				11.12	10.41	



10. Conducted Power Measurement

10.1 Test Result

2.4G WLAN

2.4GWIFI Ant 1				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
802.11b	1	2412	18.4	69.18
	7	2437	18.77	75.34
	11	2462	19.16	82.41
802.11g	1	2412	17.95	62.37
	7	2437	18.18	65.77
	11	2462	18.22	66.37
802.11 n-HT20	1	2412	19.95	98.86
	7	2437	20.17	103.99
	11	2462	20.19	104.47
802.11 n-HT40	3	2422	19.39	86.90
	6	2437	19.51	89.33
	9	2452	19.83	96.16

2.4GWIFI Ant 2				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
802.11b	1	2412	18.49	70.63
	7	2437	18.18	65.77
	11	2462	18.01	63.24
802.11g	1	2412	18.05	63.83
	7	2437	17.75	59.57
	11	2462	17.51	56.36
802.11 n-HT20	1	2412	20.08	101.86
	7	2437	20.35	108.39
	11	2462	20.36	108.64
802.11 n-HT40	3	2422	20.31	107.40
	6	2437	20.12	102.80
	9	2452	20.26	106.17

**BT**

BT				
Mode	Channel Number	Frequency (MHz)	Conducted Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	3.07	2.03
	39	2441	3.65	2.32
	78	2480	3.56	2.27
$\pi/4$ -QPSK(2Mbps)	0	2402	5.16	3.28
	39	2441	5.75	3.76
	78	2480	5.73	3.74
8DPSK(3Mbps)	0	2402	5.51	3.56
	39	2441	6.15	4.12
	78	2480	6.17	4.14

BLE

BLE				
Mode	Channel Number	Frequency (MHz)	Conducted Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	1.22	1.32
	19	2440	1.84	1.53
	39	2480	1.72	1.49

WLAN (5.2Gband)

5.2G WLAN Ant 1				
Mode	Channel Number	Frequency (MHz)	Total Power (dBm)	Output Power (mW)
802.11a	36	5180	11.63	14.55
	40	5200	11.42	13.87
	48	5240	12.58	18.11
802.11 n-HT20	36	5180	13.61	18.07
	40	5200	13.75	19.82
	48	5240	14.23	18.16
802.11 n-HT40	38	5190	12.76	18.88
	46	5230	13.45	22.13
802.11ac-VHT20	36	5180	13.42	21.98
	40	5200	13.41	21.93
	48	5240	14.03	25.29
802.11ac-VHT40	38	5190	12.66	18.45
	46	5230	13.13	20.56
802.11ac-VHT80	42	5210	13.26	21.18



5.2G WLAN Ant 2				
Mode	Channel Number	Frequency (MHz)	Total Power (dBm)	Output Power (mW)
802.11a	36	5180	12.57	18.07
	40	5200	12.97	19.82
	48	5240	12.59	18.16
802.11 n-HT20	36	5180	12.43	17.50
	40	5200	13.31	21.43
	48	5240	14.23	26.49
802.11 n-HT40	38	5190	13.01	20.00
	46	5230	13.83	24.15
802.11ac-VHT20	36	5180	12.74	18.79
	40	5200	13.51	22.44
	48	5240	14.12	25.82
802.11ac-VHT40	38	5190	13.15	20.65
	46	5230	13.3	26.92
802.11ac-VHT80	42	5210	13.5	22.39

WLAN (5.8Gband)

5.8G WLAN Ant 1				
Mode	Channel Number	Frequency (MHz)	Total Power (dBm)	Output Power (mW)
802.11a	149	5745	12.08	16.14
	157	5785	12.28	16.90
	165	5825	13.11	20.46
802.11 n-HT20	149	5745	13.36	21.68
	157	5785	14.15	26.00
	165	5825	14.83	30.41
802.11 n-HT40	151	5755	13.08	20.32
	159	5795	13.9	24.55
802.11ac-VHT20	149	5745	12.84	19.23
	157	5785	13.32	21.48
	165	5825	14.05	25.41
802.11ac-VHT40	151	5755	13.09	20.37
	159	5795	13.33	21.53
802.11ac-VHT80	155	5775	12.63	18.32



5.8G WLAN Ant 2				
Mode	Channel Number	Frequency (MHz)	Total Power (dBm)	Output Power (mW)
802.11a	149	5745	12.92	19.59
	157	5785	12.9	19.50
	165	5825	13.58	22.80
802.11 n-HT20	149	5745	13.51	22.44
	157	5785	13.73	23.60
	165	5825	13.96	24.89
802.11 n-HT40	151	5755	14.02	25.23
	159	5795	13.54	22.59
802.11ac-VHT20	149	5745	12.6	18.20
	157	5785	12.9	19.50
	165	5825	12.82	19.14
802.11ac-VHT40	151	5755	13.49	22.34
	159	5795	13.79	23.93
802.11ac-VHT80	155	5775	13.86	24.32

11. EUT and Test Setup Photo

11.1 EUT Photo

Front side



Back side



Top side



Bottom side



Left side

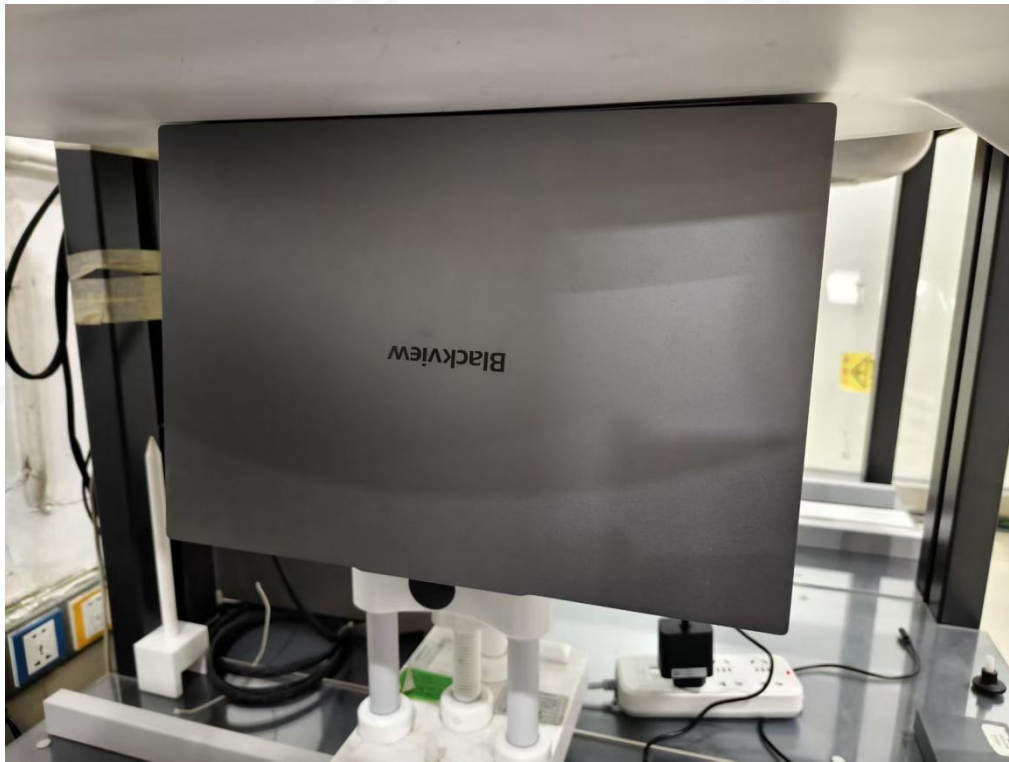


Right side

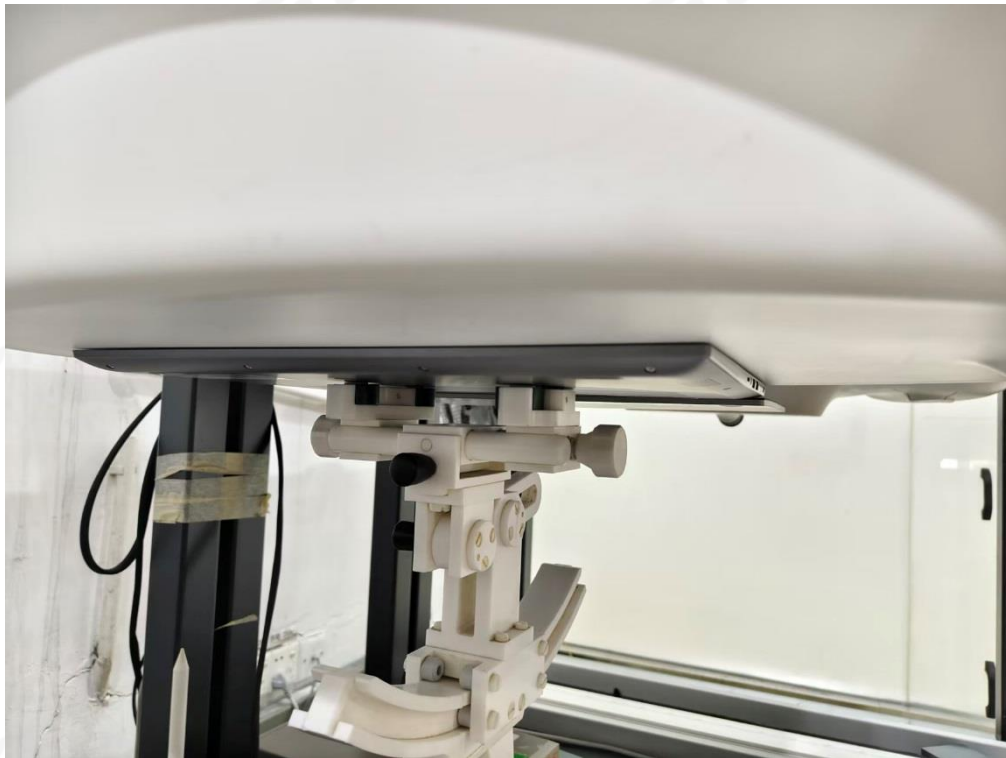


11.2 Setup Photo

Body Back side(separation distance is 0mm)



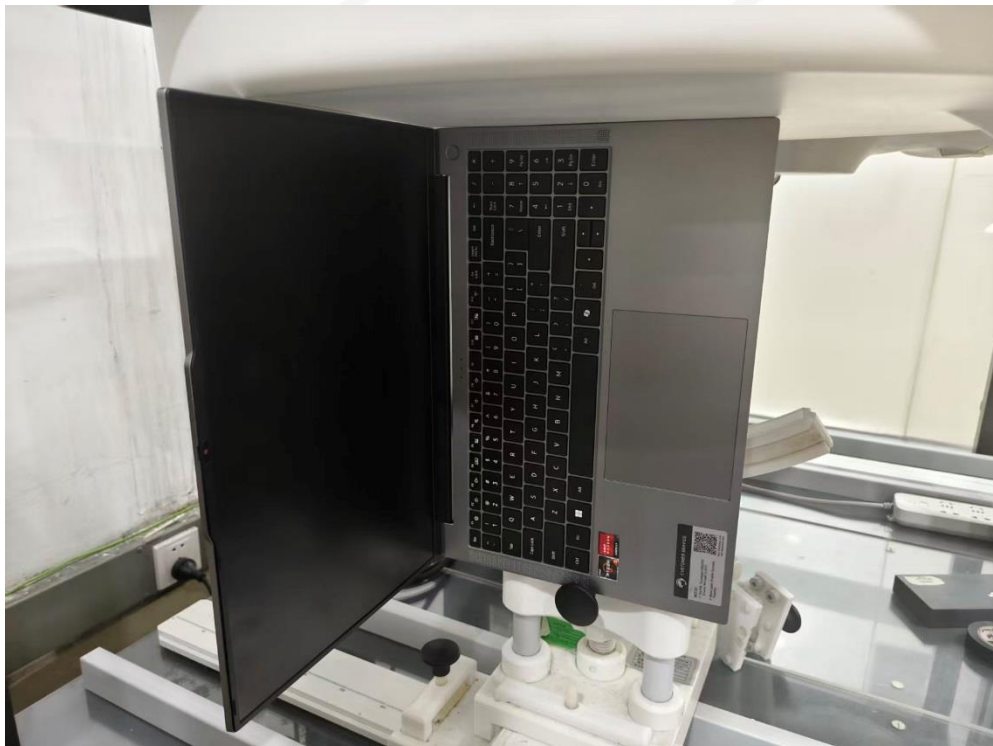
Body Front Side (separation distance is 0mm)



Body Top Side (separation distance is 0mm)



Body Right side(separation distance is 0mm)

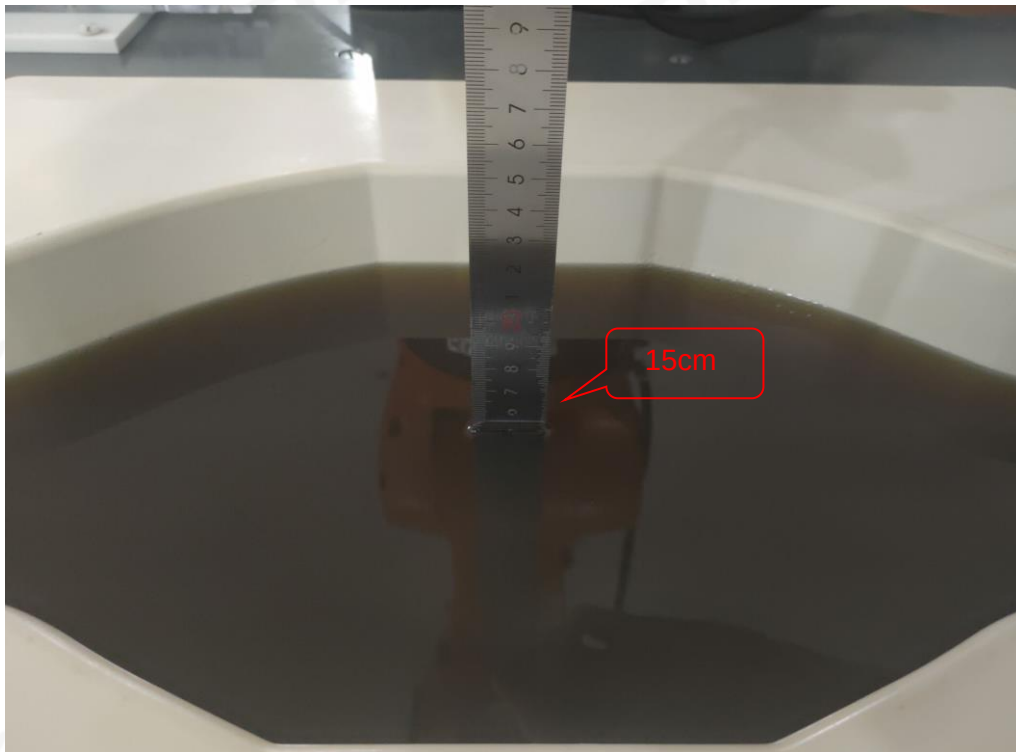




Body Bottom Side (separation distance is 0mm)



Liquid depth (15 cm)





12. SAR Result Summary

12.1 Body-worn SAR

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 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	N/A	802.11b	N/A	N/A	Back Side	2462	0.264	-1.47	19.50	19.16	1.081	0.285	1
					Top Side	2462	0.102	2.05	19.50	19.16	1.081	0.110	/
2.4GHz WLAN Ant 2	N/A	802.11b	N/A	N/A	Front Side	2412	0.261	-1.56	18.50	18.49	1.002	0.262	/
					Back Side	2412	0.338	1.13	18.50	18.49	1.002	0.339	2
					Left Side	2412	0.295	0.79	18.50	18.49	1.002	0.296	/
					Bottom Side	2412	0.221	3.36	18.50	18.49	1.002	0.222	/
					Back Side	5240	0.304	2.00	14.50	14.23	1.064	0.323	3
5.2GHz WLAN Ant 1	N/A	802.11n-HT20	N/A	N/A	Top Side	5240	0.115	2.85	14.50	14.23	1.064	0.122	/
					Front Side	5240	0.267	0.73	14.50	14.23	1.064	0.284	/
5.2GHz WLAN Ant 2	N/A	802.11n-HT20	N/A	N/A	Back Side	5240	0.317	1.59	14.50	14.23	1.064	0.337	4
					Left Side	5240	0.281	0.18	14.50	14.23	1.064	0.299	/
					Bottom Side	5240	0.24	0.84	14.50	14.23	1.064	0.255	/
					Back Side	5825	0.581	2.57	15.00	14.83	1.040	0.604	5
5.8GHz WLAN Ant 1	N/A	802.11 n-HT20	N/A	N/A	Top Side	5825	0.206	1.80	15.00	14.83	1.040	0.214	/
					Front Side	5755	0.234	2.03	14.50	14.02	1.117	0.261	/
5.8GHz WLAN Ant 2	N/A	802.11 n-HT40	N/A	N/A	Back Side	5755	0.309	0.21	14.50	14.02	1.117	0.345	6
					Left Side	5755	0.258	0.17	14.50	14.02	1.117	0.288	/
					Bottom Side	5755	0.204	-3.92	14.50	14.02	1.117	0.228	/
					Back Side	2480	0.054	0.21	6.50	6.17	1.079	0.058	7
BT	N/A	8DPSK (3Mbps)	N/A	N/A	Top Side	2480	0.021	-3.92	6.50	6.17	1.079	0.023	/
					Top Side	2480	0.021	-3.92	6.50	6.17	1.079	0.023	/

Note:

- The test separation of all above table is 0mm.
- Per KDB 447498 D04, 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 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

Position	Simultaneous State
Body	1. 2.4G WLAN Ant 2+ BT/5G WLAN Ant 2+ BT

NOTE:

1. EUT cannot transmit 5G WIFI when transmitting 2.4G WIFI.
2. For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.

Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
2.4G WLAN Ant 2 + BT	Body	2.4G WLAN Ant 2	0.339	0.397
		BT	0.058	
5.2G WLAN Ant 2 + BT	Body	5.2G WLAN Ant 2	0.337	0.395
		BT	0.058	
5.8G WLAN Ant 2+ BT	Body	5.8G WLAN Ant 2	0.345	0.403
		BT	0.058	



13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
SAR Test System	SATIMO	N/A	V5.3.15.11	N/A	N/A
2450MHzDipole	MVG	SID2450	SN 30/14 DIP2G450-335	2023.07.04	2026.07.03
Waveguide	MVG	SWG5500	SN 13/14 WGA32	2023.07.04	2026.07.03
E-Field Probe	MVG	SSE2	SN 08/21 EPGO352	2025.09.15	2026.09.14
Dielectric Probe Kit	MVG	SCLMP	SN 32/14 OCPG67	2025.09.15	2026.09.14
Antenna	MVG	ANTA3	SN 07/13 ZNTA52	N/A	N/A
Phantom3	MVG	SAM	SN 21/21 ELLI48	N/A	N/A
Phone holder	MVG	N/A	SN 32/14 MSH97	N/A	N/A
Laptop holder	MVG	N/A	SN 32/14 LSH29	N/A	N/A
Attenuator	Agilent	HXT-10-8-SMA	240327017	2026.02.04	2027.02.03
Directional coupler	Xi'an Xingbo	XBOH-OA08-20dB	211123-4-3	2026.02.03	2027.02.02
Network Analyzer	Agilent	E5071C	MY46520378	2025-09-26	2026-09-24
Multi Meter	Keithley	Multi Meter 2000	4050073	2025-09-22	2026-09-21
Signal Generator	Agilent	N5182A	MY50140530	2025-09-26	2026-09-25
Wireless Communication Test Set	Agilent	8960-E5515C	MY48360751	2026.02.04	2027.02.03
Wireless Communication Test Set	R&S	CMW500	156324	2025-09-25	2026-09-24
Power Amplifier	DESAY	WCS-DLNA50M8G50G1	CSKJLNA231227A	2025-09-29	2026-09-28
Power Meter	R&S	NRP	100510	2025-09-25	2026-09-24
Power Sensor	R&S	NRP-Z11	101919	2025-09-25	2026-09-24
Power Sensor	Keysight	U2021XA	MY56280002	2025-09-25	2026-09-24
Temperature hygrometer	TOPRIE	TP502V4-P	6700000124198	2025.10.09	2026.10.08
Thermograph	Elitech	RC-4	S/N EF7176501537	2025.10.17	2026.10.16



Appendix A. System Validation Plots

System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

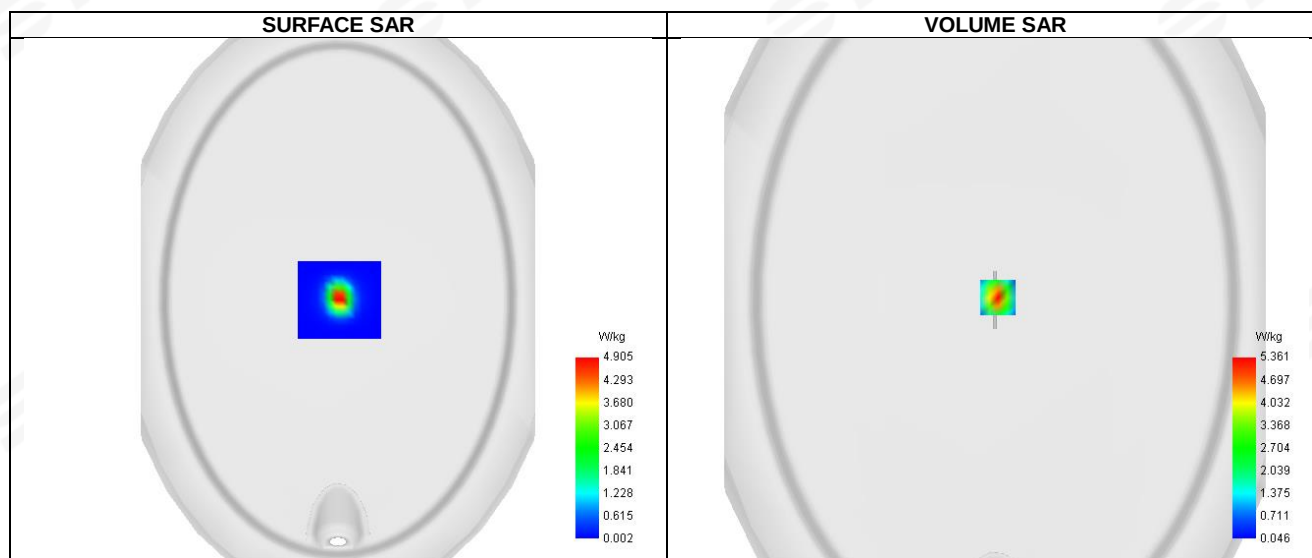
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-04-05

Experimental conditions.

Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity	39.84
Conductivity (S/m)	1.78
Probe	SN 08/21 EPGO352
ConvF	1.82
Crest factor:	1:1



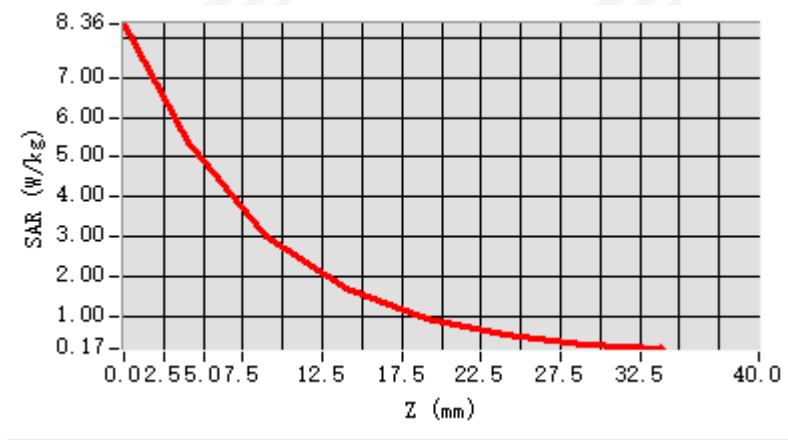
Maximum location: X=3.00, Y=2.00 ; SAR Peak: 8.35 W/kg

D. SAR 1g & 10g

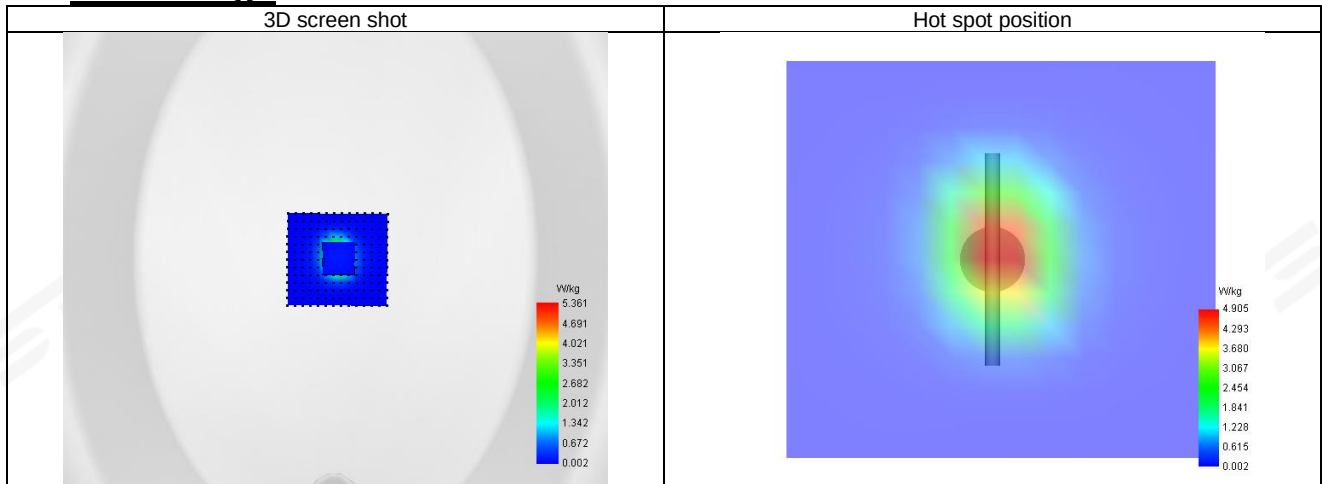
SAR 10g (W/Kg)	2.436
SAR 1g (W/Kg)	5.469
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.852595

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	8.359	5.361	2.994	1.676	0.950	0.534	0.300



F. 3D Image



**System Performance Check Data (5200MHz)**

Type: Dipole measurement (Complete)

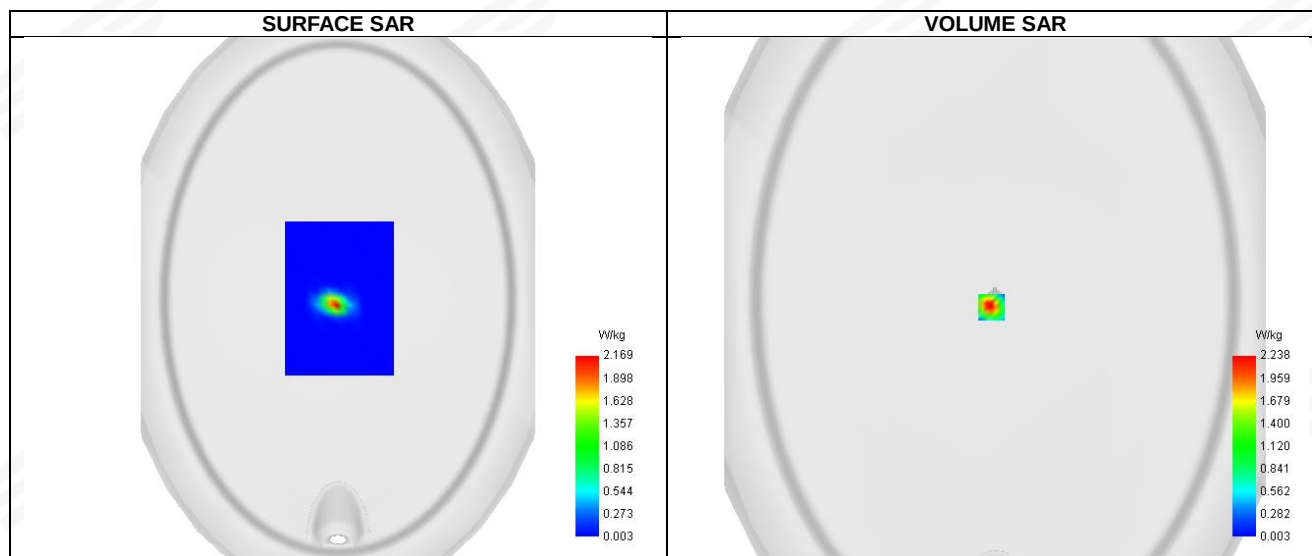
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-04-05

Experimental conditions.

Device Position	Validation plane
Band	5200 MHz
Channels	-
Signal	CW
Frequency (MHz)	5200
Relative permittivity	36.47
Conductivity (S/m)	4.66
Probe	SN 08/21 EPGO352
ConvF	1.37
Crest factor:	1:1



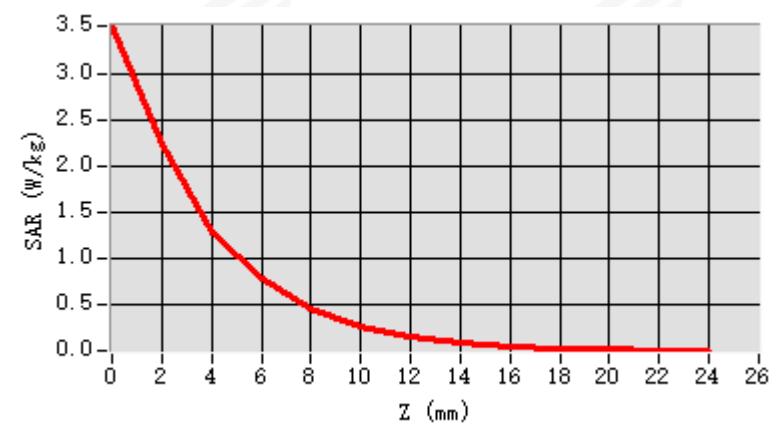
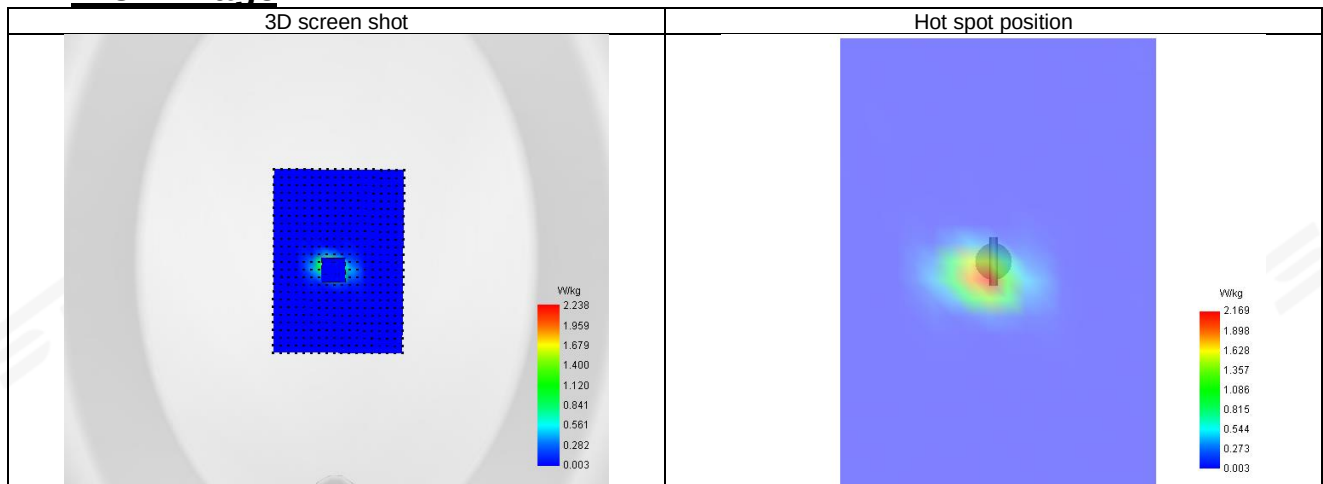
Maximum location: X=-3.00, Y=-8.00 ; SAR Peak: 3.80 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.603
SAR 1g (W/Kg)	1.667
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	58.697817

**E. Z Axis Scan**

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	3.509	2.238	1.286	0.790	0.454	0.267	0.157	0.093	0.054	0.032	0.019	0.011

**F. 3D Image**

**System Performance Check Data (5800MHz)**

Type: Dipole measurement (Complete)

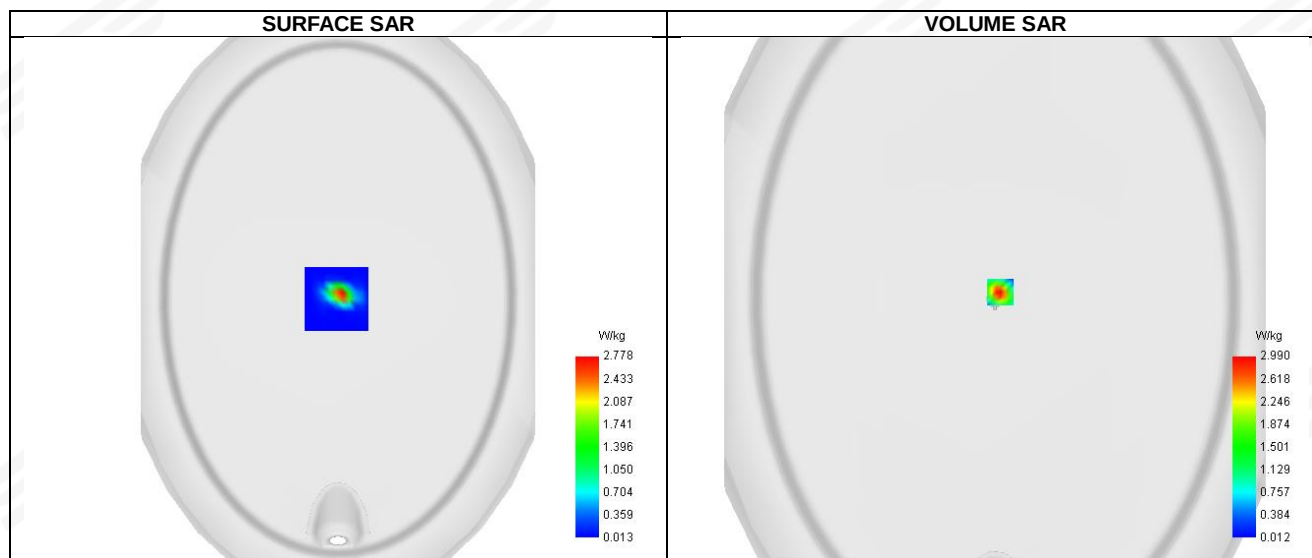
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-04-05

Experimental conditions.

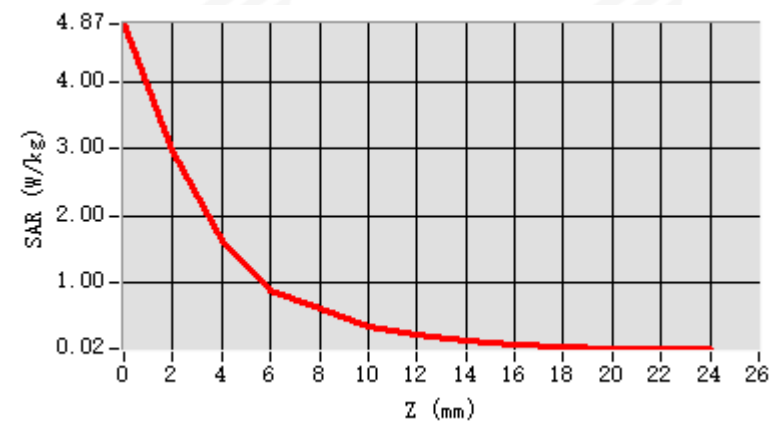
Device Position	Validation plane
Band	5800 MHz
Channels	-
Signal	CW
Frequency (MHz)	5800
Relative permittivity	35.35
Conductivity (S/m)	5.28
Probe	SN 08/21 EPGO352
ConvF	1.32
Crest factor:	1:1

**D. SAR 1g & 10g**

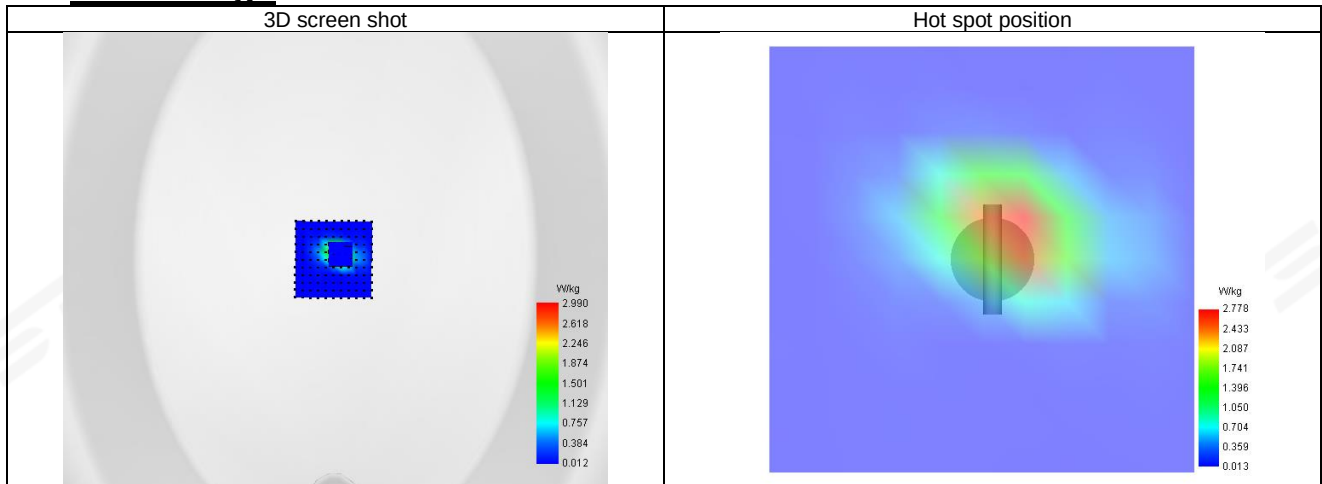
SAR 10g (W/Kg)	0.645
SAR 1g (W/Kg)	1.944
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	54.750342

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	4.873	2.990	1.637	0.878	0.601	0.358	0.213	0.127	0.076	0.045	0.027	0.016



F. 3D Image

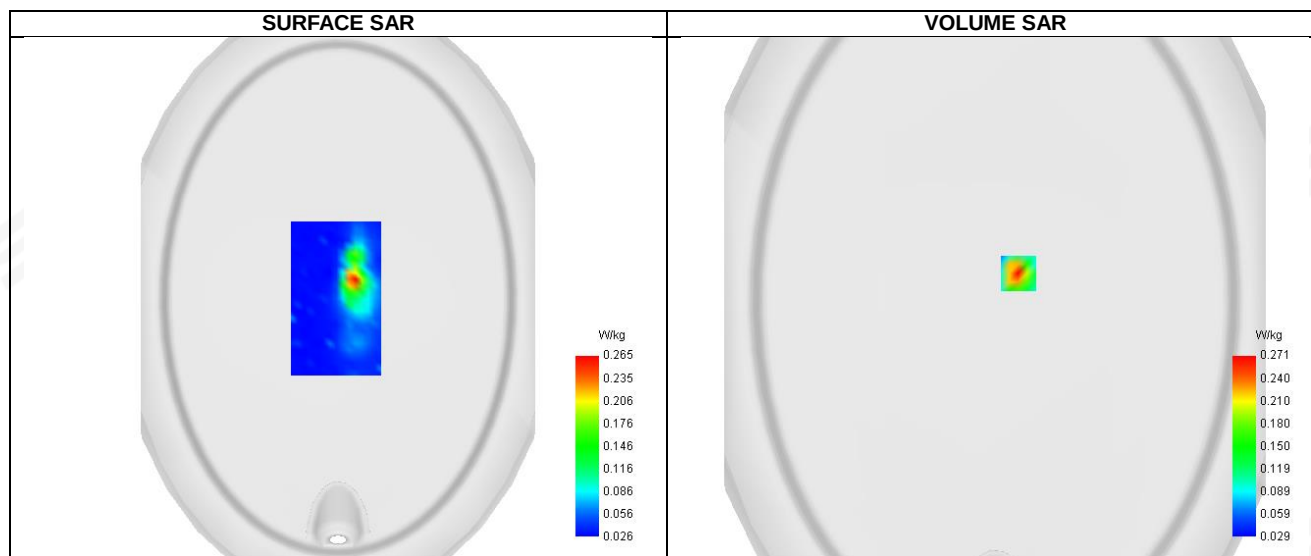




Appendix B. SAR Test Plots

Plot 1: DUT: Laptop; EUT Model: AceBook 8 Pro

Test Date	2026-04-05
ConvF	1.82
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	2.4G WLAN Ant 1
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	39.33
Conductivity (S/m)	1.80

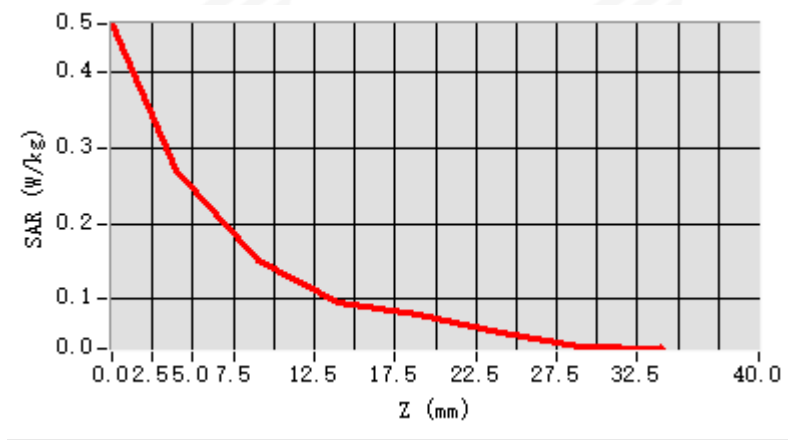


D. SAR 1g & 10g

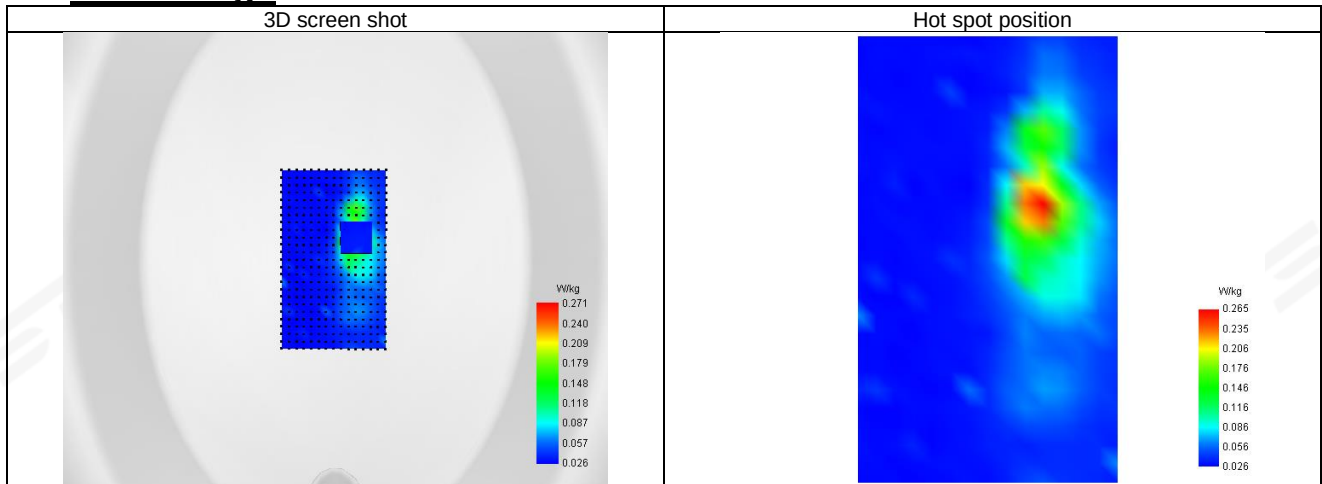
SAR 10g (W/Kg)	0.137
SAR 1g (W/Kg)	0.264
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.722079

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.464	0.271	0.151	0.095	0.081	0.056	0.039

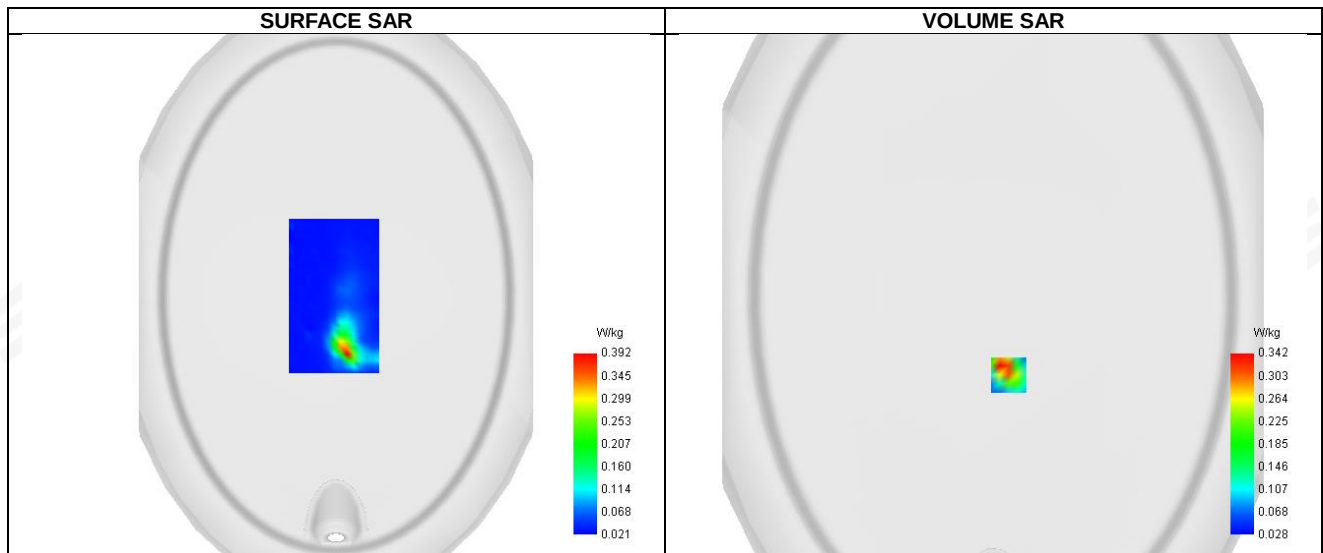


F. 3D Image



**Plot 2: DUT: Laptop; EUT Model: AceBook 8 Pro**

Test Date	2026-04-05
ConvF	1.82
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	2.4G WLAN Ant 2
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.63
Conductivity (S/m)	1.75



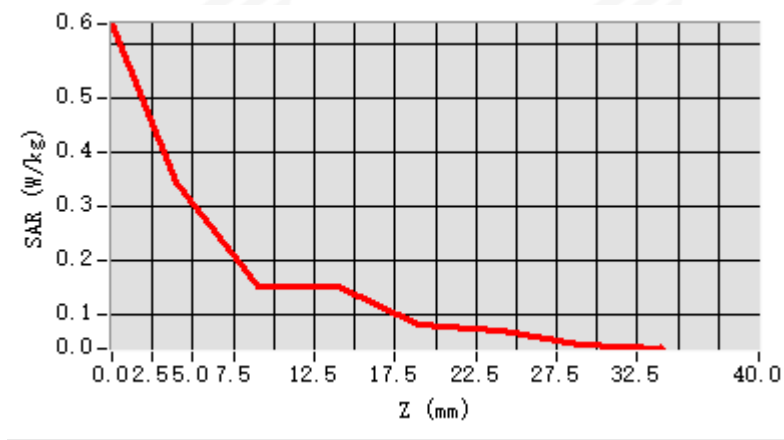
Maximum location: X=14.00, Y=-71.00 ; SAR Peak: 0.59 W/kg

D. SAR 1g & 10g

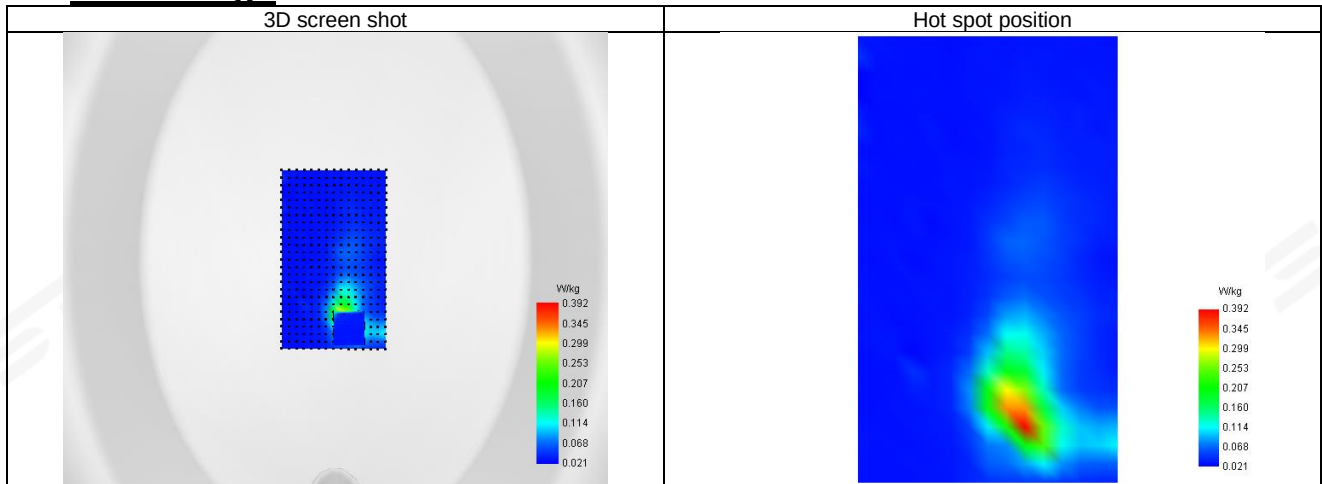
SAR 10g (W/Kg)	0.162
SAR 1g (W/Kg)	0.338
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	61.291263

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.638	0.342	0.153	0.151	0.081	0.070	0.043

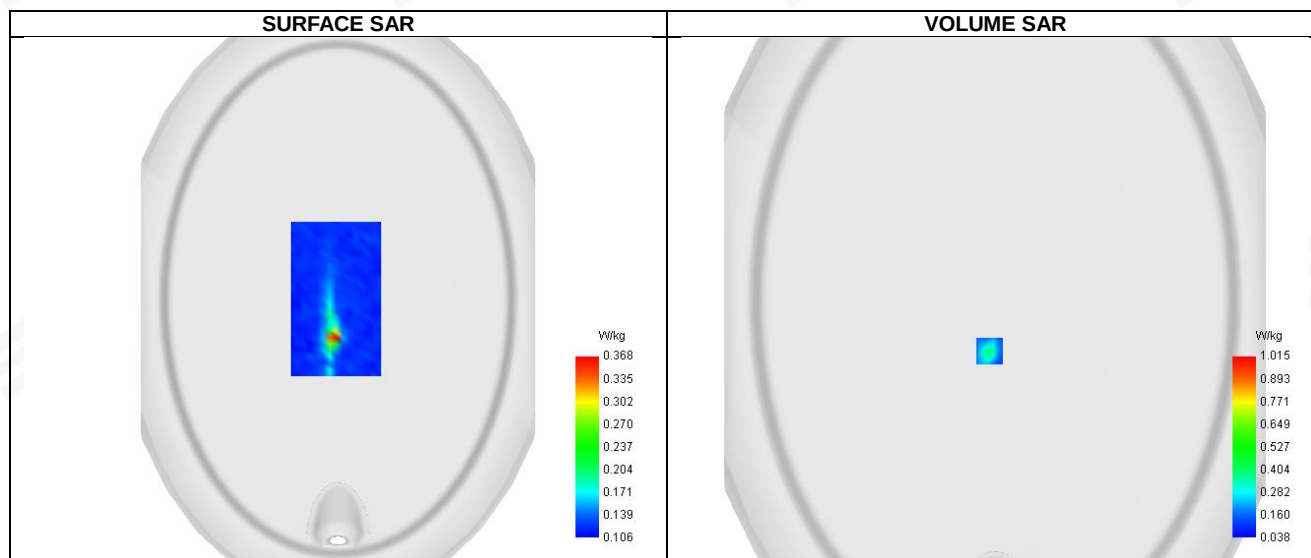


F. 3D Image



**Plot 3: DUT: Laptop; EUT Model: AceBook 8 Pro**

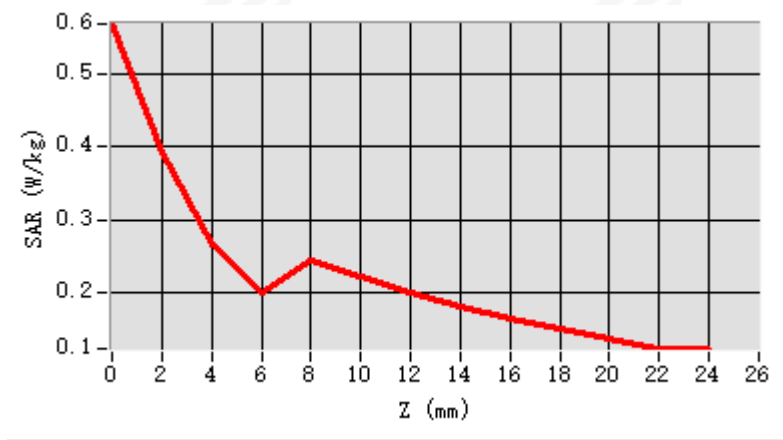
Test Date	2026-04-05
ConvF	1.37
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Validation plane
Device Position	Back Side
Band	5.2G WLAN Ant 1
Signal	802.11n-HT20 (Crest factor: 1.0)
Frequency (MHz)	5240
Relative permittivity (real part)	36.81
Conductivity (S/m)	4.70

**D. SAR 1g & 10g**

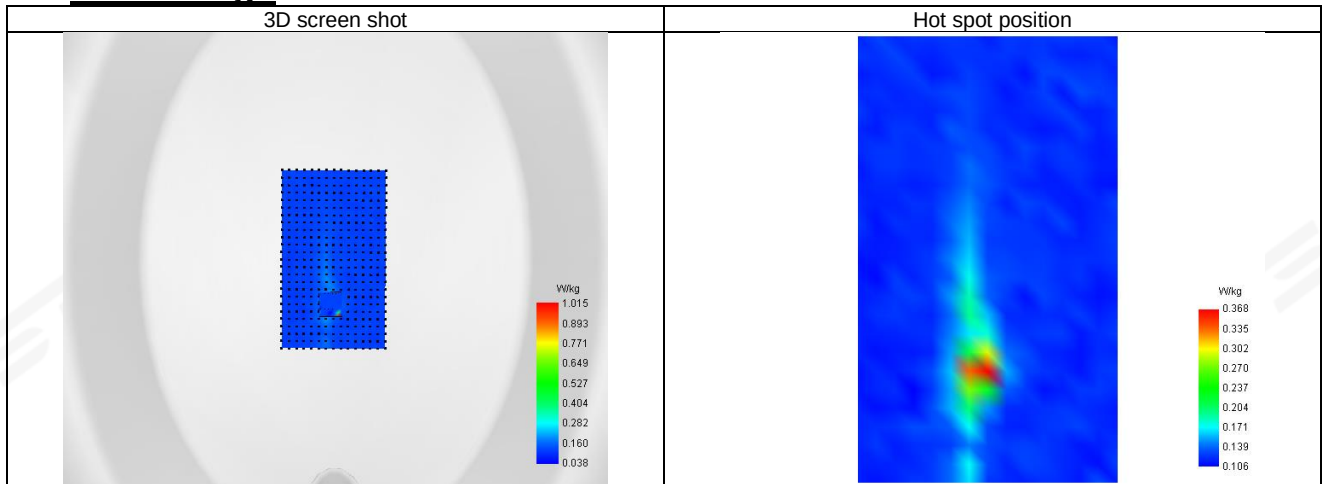
SAR 10g (W/Kg)	0.150
SAR 1g (W/Kg)	0.304
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	67.925388

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.568	0.392	0.267	0.200	0.243	0.221	0.200	0.182	0.165	0.150	0.136	0.123

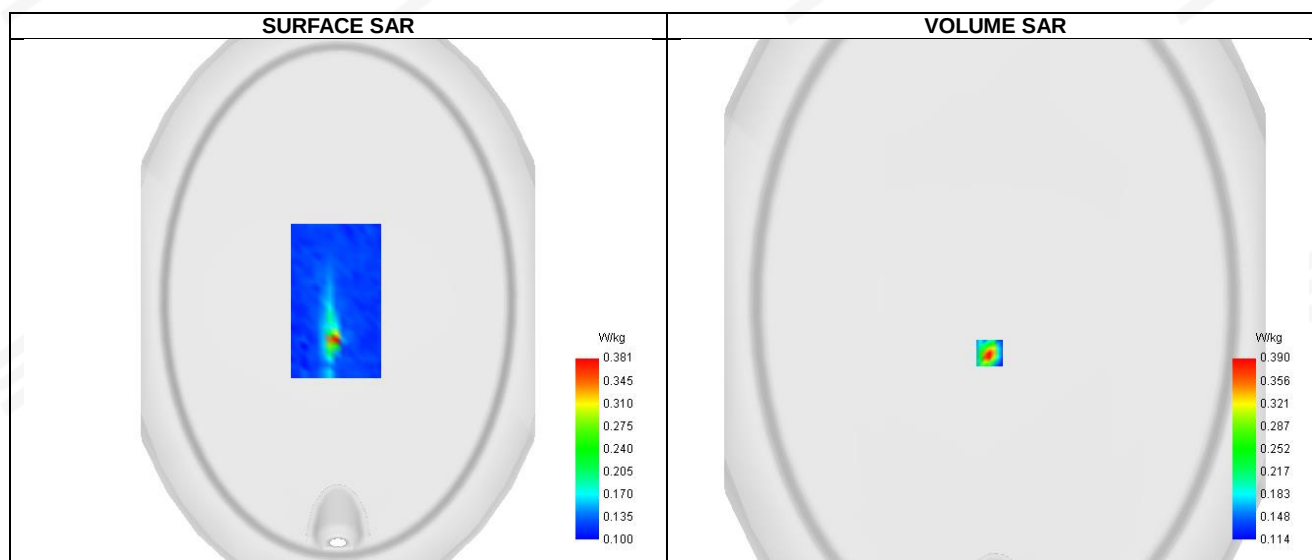


F. 3D Image



**Plot 4: DUT: Laptop; EUT Model: AceBook 8 Pro**

Test Date	2026-04-05
ConvF	1.37
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Validation plane
Device Position	Back Side
Band	5.2G WLAN Ant2
Signal	802.11n-HT20 (Crest factor: 1.0)
Frequency (MHz)	5240
Relative permittivity (real part)	36.81
Conductivity (S/m)	4.70



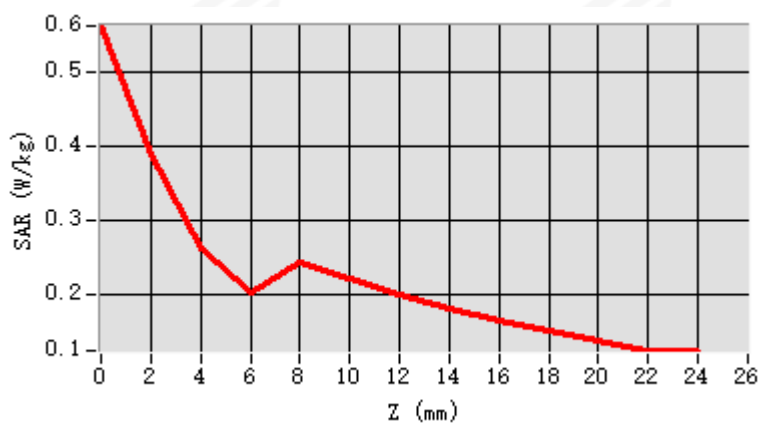
Maximum location: X=-5.00, Y=-47.00 ; SAR Peak: 0.73 W/kg

D. SAR 1g & 10g

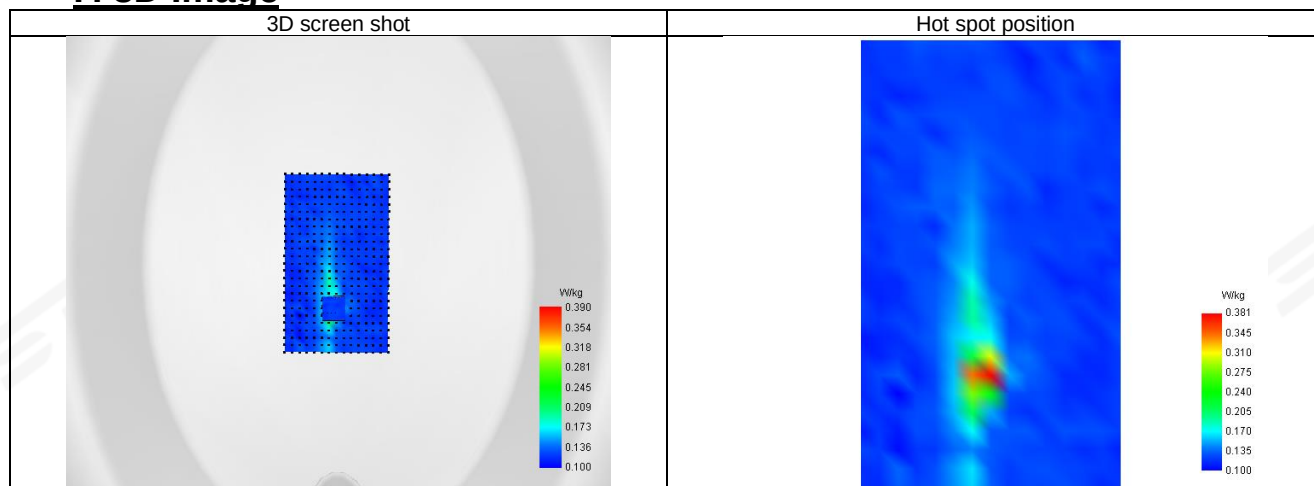
SAR 10g (W/Kg)	0.176
SAR 1g (W/Kg)	0.317
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	66.974041

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.563	0.390	0.261	0.202	0.242	0.220	0.200	0.181	0.165	0.150	0.136	0.123

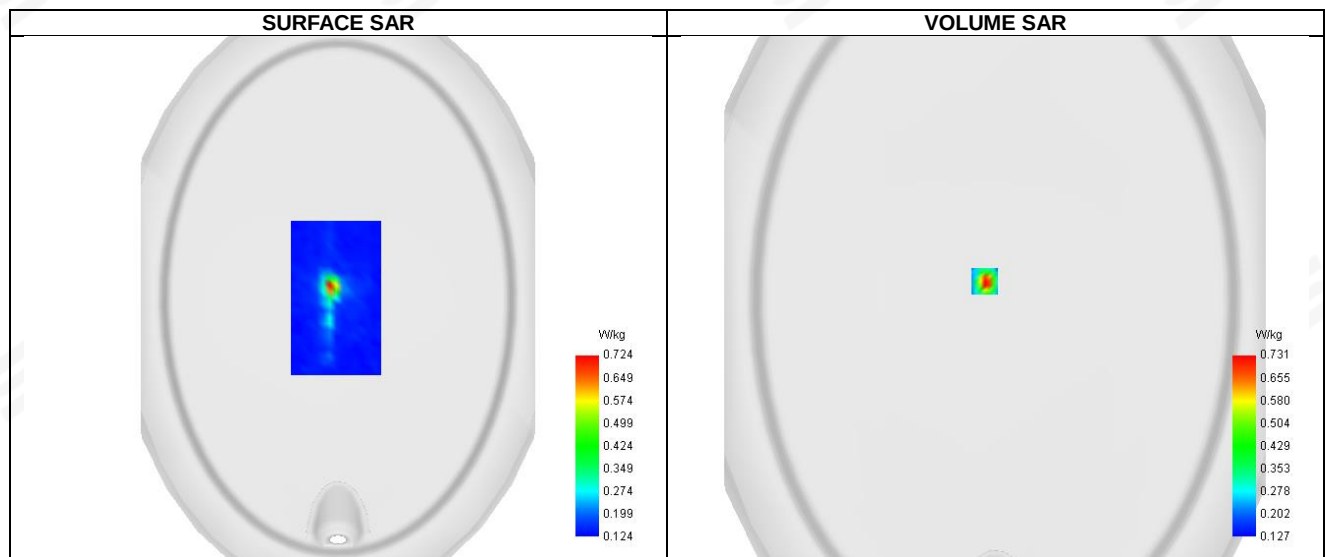


F. 3D Image



Plot 5: DUT: Laptop; EUT Model: AceBook 8 Pro

Test Date	2026-04-05
ConvF	1.32
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Validation plane
Device Position	Back Side
Band	5.8G WLAN Ant1
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	5825
Relative permittivity (real part)	35.11
Conductivity (S/m)	5.27



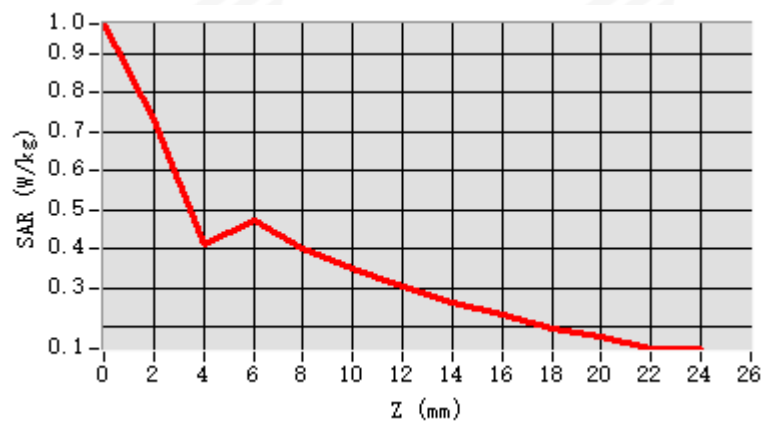
Maximum location: X=-9.00, Y=15.00 ; SAR Peak: 1.56 W/kg

D. SAR 1g & 10g

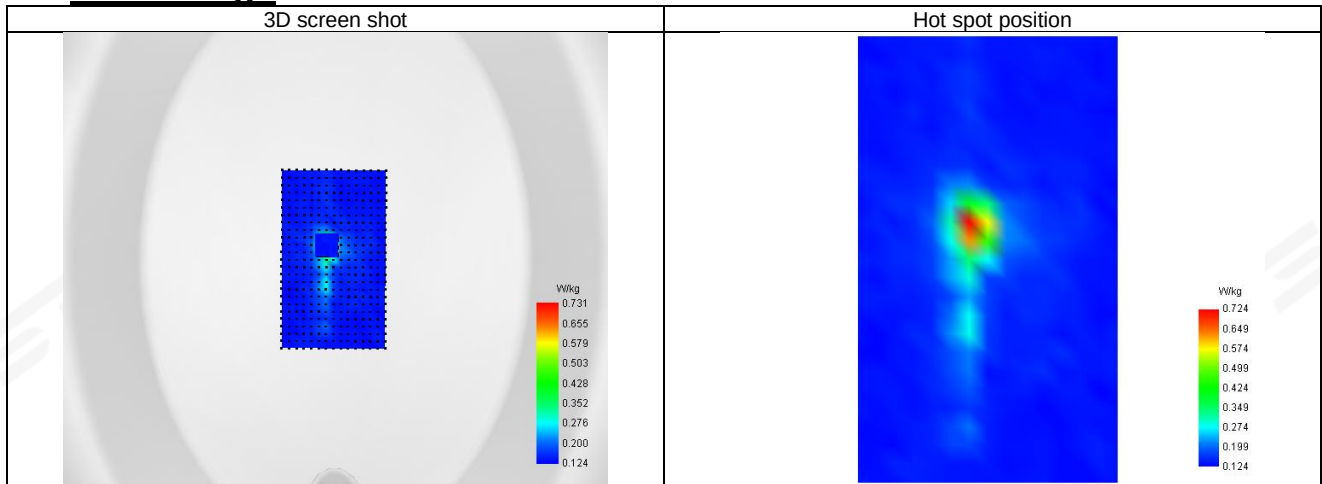
SAR 10g (W/Kg)	0.265
SAR 1g (W/Kg)	0.581
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	62.911673

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.975	0.731	0.410	0.470	0.400	0.350	0.304	0.260	0.232	0.193	0.177	0.144

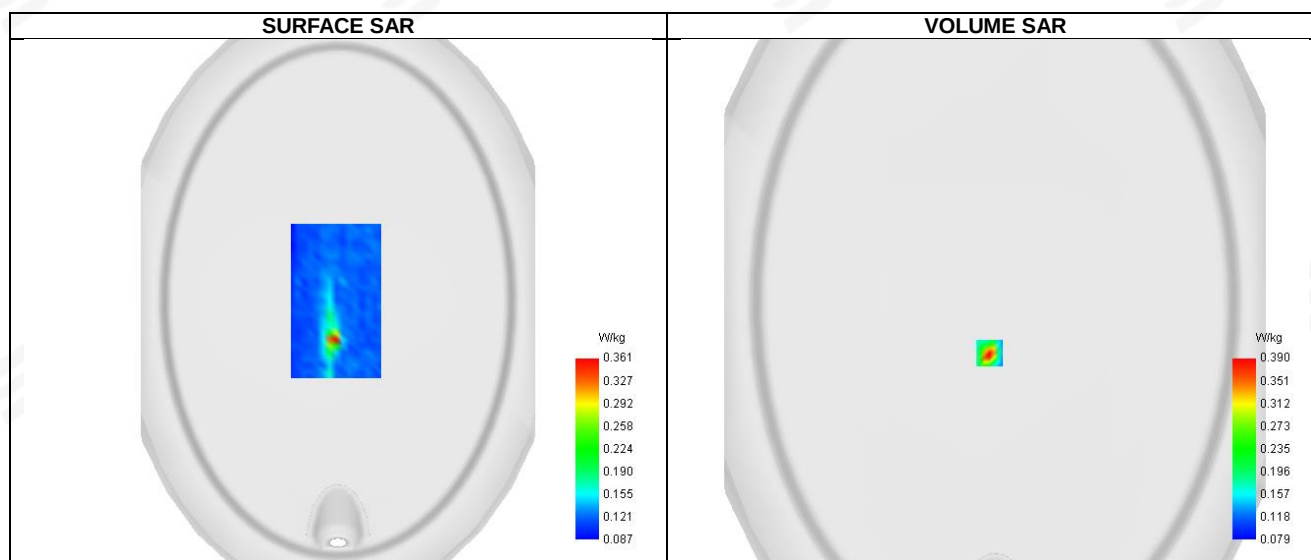


F. 3D Image



**Plot 6: DUT: Laptop; EUT Model: AceBook 8 Pro**

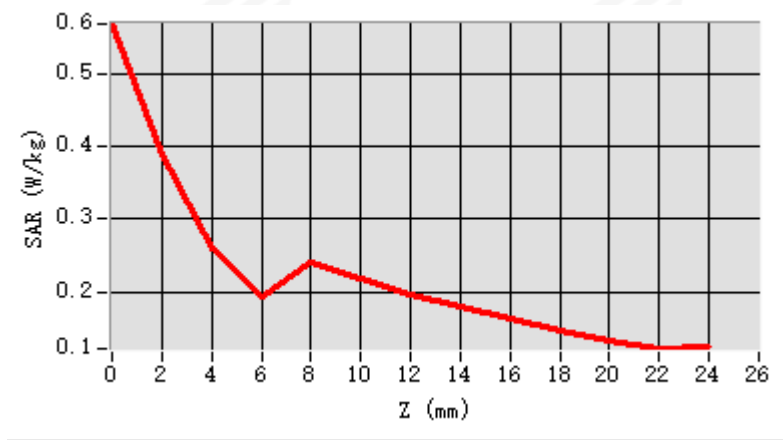
Test Date	2026-04-05
ConvF	1.32
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Validation plane
Device Position	Back Side
Band	5.8G WLAN Ant2
Signal	802.11 n-HT40 (Crest factor: 1.0)
Frequency (MHz)	5755
Relative permittivity (real part)	35.23
Conductivity (S/m)	5.21

**D. SAR 1g & 10g**

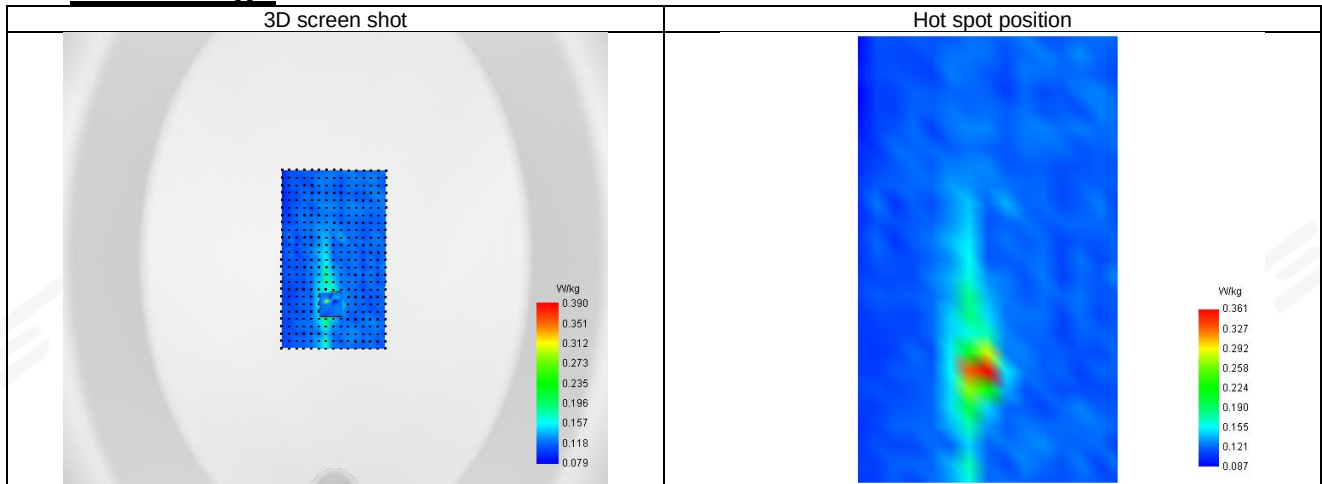
SAR 10g (W/Kg)	0.172
SAR 1g (W/Kg)	0.309
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	66.826478

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.569	0.390	0.260	0.194	0.240	0.218	0.198	0.179	0.163	0.148	0.134	0.122

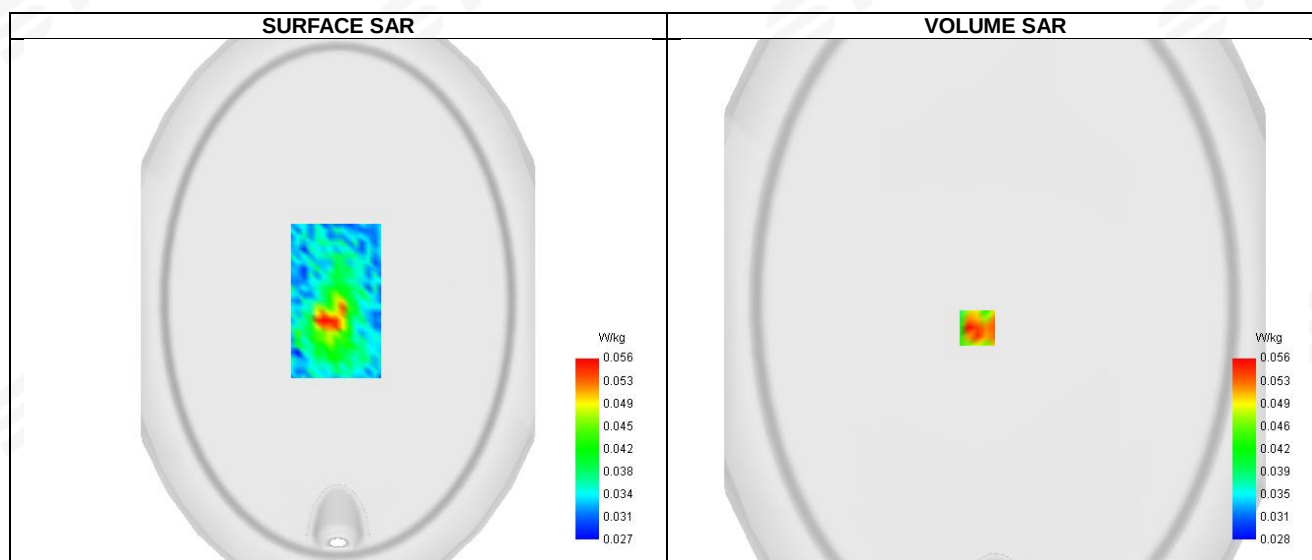


F. 3D Image



**Plot 7: DUT: notebook; EUT Model: TRA16U**

Test Date	2026-04-05
ConvF	1.82
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	BT
Signal	8DPSK(3Mbps) (Crest factor: 1.0)
Frequency (MHz)	2480
Relative permittivity (real part)	39.25
Conductivity (S/m)	1.81



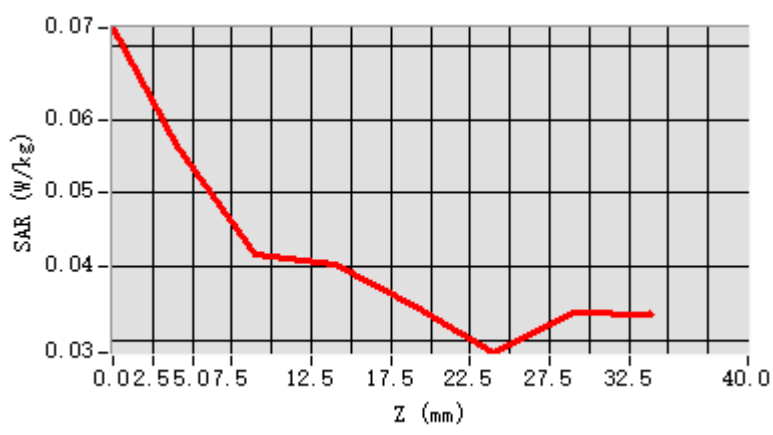
Maximum location: X=-16.00, Y=-24.00 ; SAR Peak: 0.07 W/kg

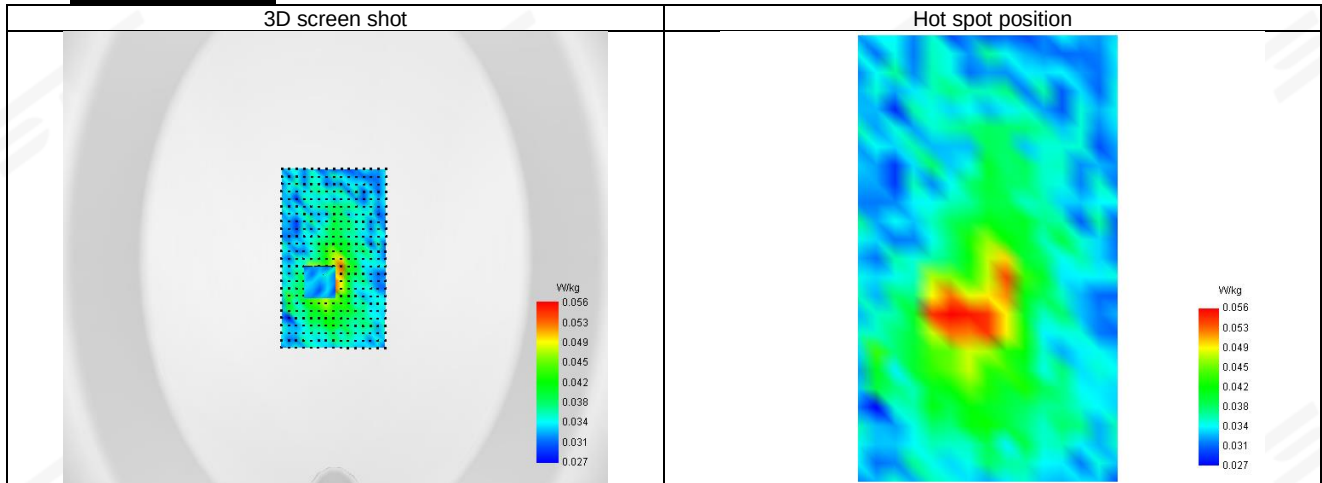
D. SAR 1g & 10g

SAR 10g (W/Kg)	0.035
SAR 1g (W/Kg)	0.054
Horizontal validation criteria: minimum distance (mm)	12.316841
Vertical validation criteria: SAR ratio M2/M1 (%)	77.784261

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.072	0.056	0.042	0.040	0.035	0.028	0.034



F. 3D Image



Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※END OF THE REPORT※※※※