



SAR Test Report

Report No.: STS2601133H02

Issued for

Onyx Healthcare Inc.

4 F., No. 135, Ln. 235, Baoqiao Rd., Xindian Dist., New
Taipei City 231028, Taiwan (R.O.C.).

Product Name: 10.1" Medical Android Tablet

Brand Name: onyx

Model Name: MD10W2

Series Model(s): N/A

FCC ID: RZ5-MD10W2

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

Max. Report
SAR (1g) Body: 0.527 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 : Onyx Healthcare Inc.
Address : 4 F., No. 135, Ln. 235, Baoqiao Rd., Xindian Dist., New Taipei
City 231028, Taiwan (R.O.C.).
Manufacturer's Name : Onyx Healthcare Inc.
Address : 4 F., No. 135, Ln. 235, Baoqiao Rd., Xindian Dist., New Taipei
City 231028, Taiwan (R.O.C.).

Product description

Product name : 10.1" Medical Android Tablet
Brand name : onyx
Model name : MD10W2
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..... : 14 Feb. 2026 ~ 04 Mar. 2026

Date of Issue..... : 18 Mar. 2026

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

Testing Engineer :

Xin Liu

(Xin.Liu)

Technical Manager :

Shi fan-long

(Shifan. Long)

Authorized Signatory :

Bovey Yang

(Bovey Yang)





Table of Contents

1. General Information	5
1.1 EUT Description	5
1.2 Test Environment	7
1.3 Test Factory	7
2. Test Standards and Limits	8
3. SAR Measurement System	9
3.1 Definition of Specific Absorption Rate (SAR)	9
3.2 SAR System	9
4. Tissue Simulating Liquids	12
4.1 Simulating Liquids Parameter Check	12
5. SAR System Validation	15
5.1 Validation System	15
5.2 Validation Result	16
6. SAR Evaluation Procedures	17
7. EUT Antenna Location Sketch	18
7.1 SAR test exclusion consider table	19
8. EUT Test Position	22
8.1 Body-worn Position Conditions	22
9. Uncertainty	23
9.1 Measurement Uncertainty	23
10. Conducted Power Measurement	26
10.1 Test Result	26
11. EUT and Test Setup Photo	30
11.1 EUT Photo	30
11.2 Setup Photo	33
12. SAR Result Summary	36
12.1 Body SAR	36
13. Equipment List	40
Appendix A. System Validation Plots	41
Appendix B. SAR Test Plots	51
Appendix C. Probe Calibration and Dipole Calibration Report	103

**Revision History**

Rev.	Issue Date	Report No.	Effect Page	Contents
00	18 Mar. 2026	STS2601133H02	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	10.1" Medical Android Tablet
Brand Name	onyx
Model Name	MD10W2
Series Model	N/A
Model Difference	N/A
Sample number	260114010-5
Battery	Model: BTS101 Brand: WINMATE Rated Voltage: 11.4V Charge Limit Voltage: 13.05V Capacity: 3500mAh
Device Category	Portable
Product stage	Production unit
RF Exposure Environment	General Population / Uncontrolled
Hardware Version	S101G7-120
Software Version	V251117
Frequency Range	Bluetooth: 2402 MHz to 2480 MHz 2.4G WIFI: 802.11b/g/n/ax 20: 2412~2462 MHz 802.11n/ax40:2422~2452MHz 5.2G WIFI: IEEE 802.11 a/n/ac/ax(20MHz):5.180GHz-5.240GHz IEEE 802.11 n/ac/ax(40MHz):5.190GHz-5.230GHz IEEE 802.11 ac/ax(80MHz): 5.210GHz 5.3G WIFI: IEEE 802.11 a/n/ac/ax(20MHz):5.260GHz-5.320GHz IEEE 802.11 n/ac/ax(40MHz): 5.270GHz-5.310GHz IEEE 802.11 ac/ax(80MHz): 5.290GHz 5.6G WIFI: IEEE 802.11 a/n/ac/ax(20MHz):5.500GHz-5.700GHz IEEE 802.11 n/ac/ax(40MHz):5.510GHz-5.670GHz IEEE 802.11 ac/ax(80MHz): 5.530GHz-5.610GHz 5.8G WIFI: IEEE 802.11 a/n/ac/ax(20MHz):5.745GHz-5.825GHz IEEE 802.11 n/ac/ax(40MHz):5.755GHz-5.795GHz IEEE 802.11 ac/ax(80MHz): 5.775GHz 5.9G WIFI: IEEE 802.11 a/n/ac/ax(20MHz):5.845GHz -5.885GHz IEEE 802.11 n/ac/ax(40MHz):5835GHz -5875GHz IEEE 802.11 ac/ax(80MHz):5855 GHz



Max. Reported SAR(1g): (Limit:1.6W/kg) Test distance: Body:0mm	Band	Mode	Body (W/kg)
	DTS	2.4G WLAN_ANT 1	0.176
	DTS	2.4G WLAN_ANT 2	0.168
	DTS	2.4G WLAN_ANT 1+2	0.223
	NII	5.2G WLAN_ANT 1	0.228
	NII	5.2G WLAN_ANT 2	0.265
	NII	5.2G WLAN_ANT 1+2	0.333
	NII	5.3G WLAN_ANT 1	0.304
	NII	5.3G WLAN_ANT 2	0.275
	NII	5.3G WLAN_ANT 1+2	0.313
	NII	5.6G WLAN_ANT 1	0.385
	NII	5.6G WLAN_ANT 2	0.315
	NII	5.6G WLAN_ANT 1+2	0.402
	NII	5.8G WLAN_ANT 1	0.378
	NII	5.8G WLAN_ANT 2	0.339
	NII	5.8G WLAN_ANT 1+2	0.527
	NII	5.9G WLAN_ANT 1	0.383
	NII	5.9G WLAN_ANT 2	0.256
	NII	5.9G WLAN_ANT 1+2	0.496
	DSS	BT	0.055
	DTS	BLE	0.037
1-g sum			0.582
Limit			1.6W/kg
FCC Equipment Class	Digital Transmission System (DTS) Part 15 Spread Spectrum Transmitter (DSS) Unlicensed National Information Infrastructure TX(NII)		
Operating Mode:	Bluetooth: GFSK + $\pi/4$ DQPSK+8DPSK BLE: GFSK 2.4G WLAN : 802.11b(DSSS):CCK,DQPSK,DBPSK 802.11g(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11ax(OFDM, OFDMA):BPSK,QPSK,16-QAM,64-QAM,256-QAM,1024QAM 5G WLAN: 802.11a(OFDM): BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11ac(OFDM): BPSK,QPSK,16-QAM,64-QAM,256-QAM 802.11ax(OFDM, OFDMA):BPSK,QPSK,16-QAM,64-QAM,256-QAM,1024QAM		
Antenna Specification:	WLAN: Internal Antenna Bluetooth: Internal 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 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:

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

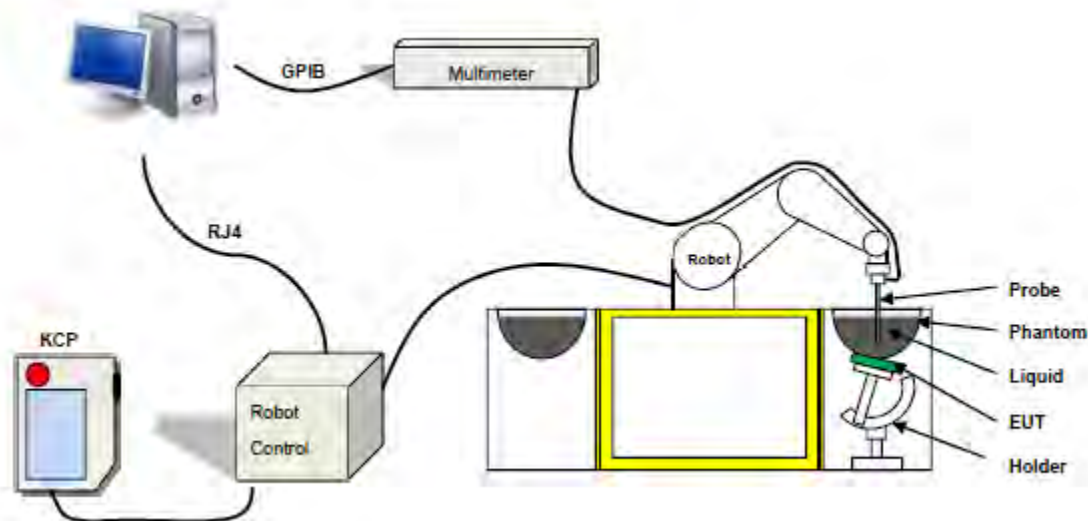
SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

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

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

4.1 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**

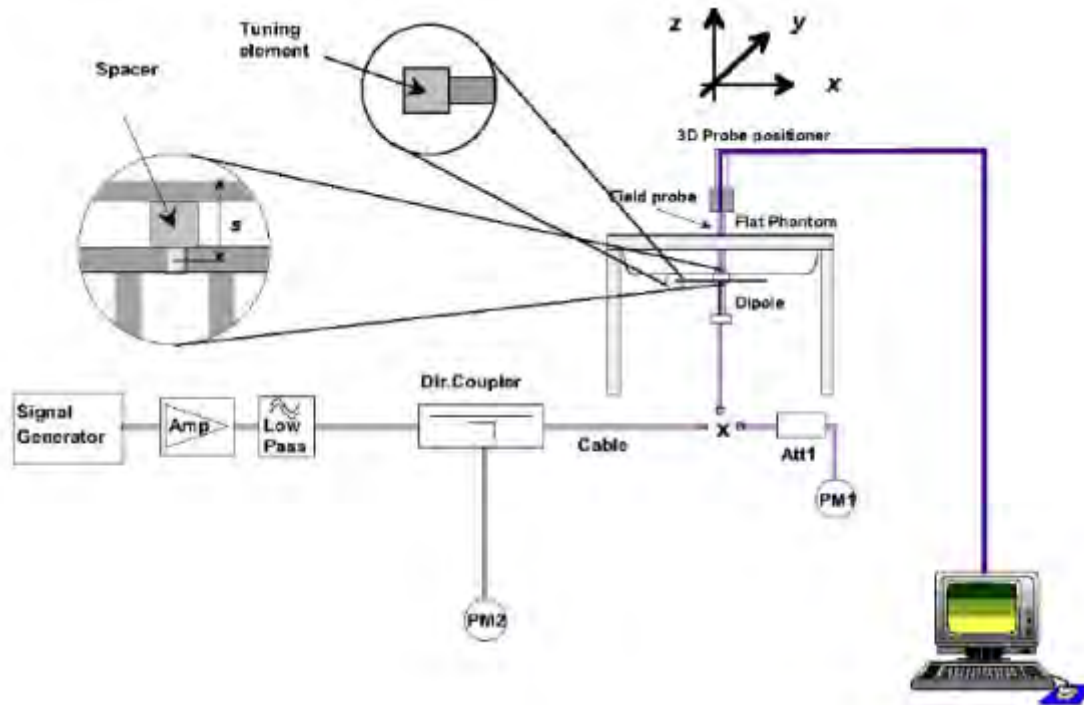
Date	Ambient		Simulating Liquid		Parameters	Target	Measured	Deviation %	Limited %
	Temp. [°C]	Humidity %	Frequency (MHz)	Temp. [°C]					
2026-02-14	20.6	45	2412	20.3	Permittivity	39.27	39.93	1.68	±5
					Conductivity	1.77	1.76	-0.56	±5
2026-02-14	20.7	45	2437	20.3	Permittivity	39.22	39.64	1.07	±5
					Conductivity	1.79	1.82	1.68	±5
2026-02-14	20.6	45	2440	20.3	Permittivity	39.22	39.05	-0.43	±5
					Conductivity	1.79	1.81	0.52	±5
2026-02-14	20.7	45	2441	20.3	Permittivity	39.22	39.15	-0.26	±5
					Conductivity	1.79	1.80	0.45	±5
2026-02-14	20.7	45	2450	20.4	Permittivity	39.20	39.40	0.51	±5
					Conductivity	1.80	1.82	1.11	±5
2026-02-14	20.6	45	5200	20.3	Permittivity	36.00	36.58	1.61	±5
					Conductivity	4.66	4.68	0.43	±5
2026-02-14	20.8	46	5260	20.5	Permittivity	35.94	36.60	1.84	±5
					Conductivity	4.72	4.74	0.42	±5
2026-03-03	23.8	44	5320	23.5	Permittivity	35.88	36.78	2.51	±5
					Conductivity	4.78	4.76	-0.42	±5
2026-03-03	23.8	44	5400	23.5	Permittivity	35.80	36.15	0.98	±5
					Conductivity	4.86	4.90	0.82	±5
2026-03-03	23.8	44	5500	23.5	Permittivity	35.68	36.32	1.79	±5
					Conductivity	4.96	4.92	-0.81	±5
2026-03-03	23.8	44	5580	23.5	Permittivity	35.58	36.35	2.16	±5
					Conductivity	5.04	5.05	0.20	±5
2026-03-03	23.8	44	5600	23.5	Permittivity	35.55	36.17	1.74	±5
					Conductivity	5.07	5.06	-0.20	±5
2026-03-03	23.8	44	5700	23.5	Permittivity	35.43	35.32	-0.31	±5
					Conductivity	5.17	5.15	-0.39	±5
2026-03-04	23.5	55	5745	23.2	Permittivity	35.36	35.15	-0.59	±5
					Conductivity	5.21	5.22	0.19	±5
2026-03-04	23.5	55	5800	23.2	Permittivity	35.30	34.98	-0.91	±5
					Conductivity	5.27	5.28	0.19	±5
2026-03-04	23.5	55	5825	23.2	Permittivity	35.28	35.62	0.96	±5
					Conductivity	5.30	5.32	0.38	±5
2026-03-04	23.5	55	5865	23.1	Permittivity	35.24	35.58	0.96	±5
					Conductivity	5.34	5.35	0.19	±5
2026-03-04	23.5	55	5885	23.3	Permittivity	35.22	35.62	1.14	±5
					Conductivity	5.36	5.39	0.56	±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 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	
2026-02-14	2450	100 mW	5.448	2.366	3.11	54.70	24.11	-0.40%	-1.87%	10
		Normalize to 1 Watt	54.48	23.66						
2026-02-14	5200	10 mW	1.674	0.558	-3.18	163.88	57.29	2.18%	-2.58%	10
		Normalize to 1 Watt	167.45	55.81						
2026-03-03	5400	10 mW	1.702	0.621	-3.52	172.23	59.16	-1.17%	4.99%	10
		Normalize to 1 Watt	170.21	62.11						
2026-03-03	5600	10 mW	1.819	0.633	-3.99	181.28	61.57	0.36%	2.87%	10
		Normalize to 1 Watt	181.93	63.34						
2026-03-04	5800	10 mW	1.822	0.591	-0.13	188.95	63.45	-3.60%	-6.93%	10
		Normalize to 1 Watt	182.15	59.05						

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 $\pm 10\%$ of target value.



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.

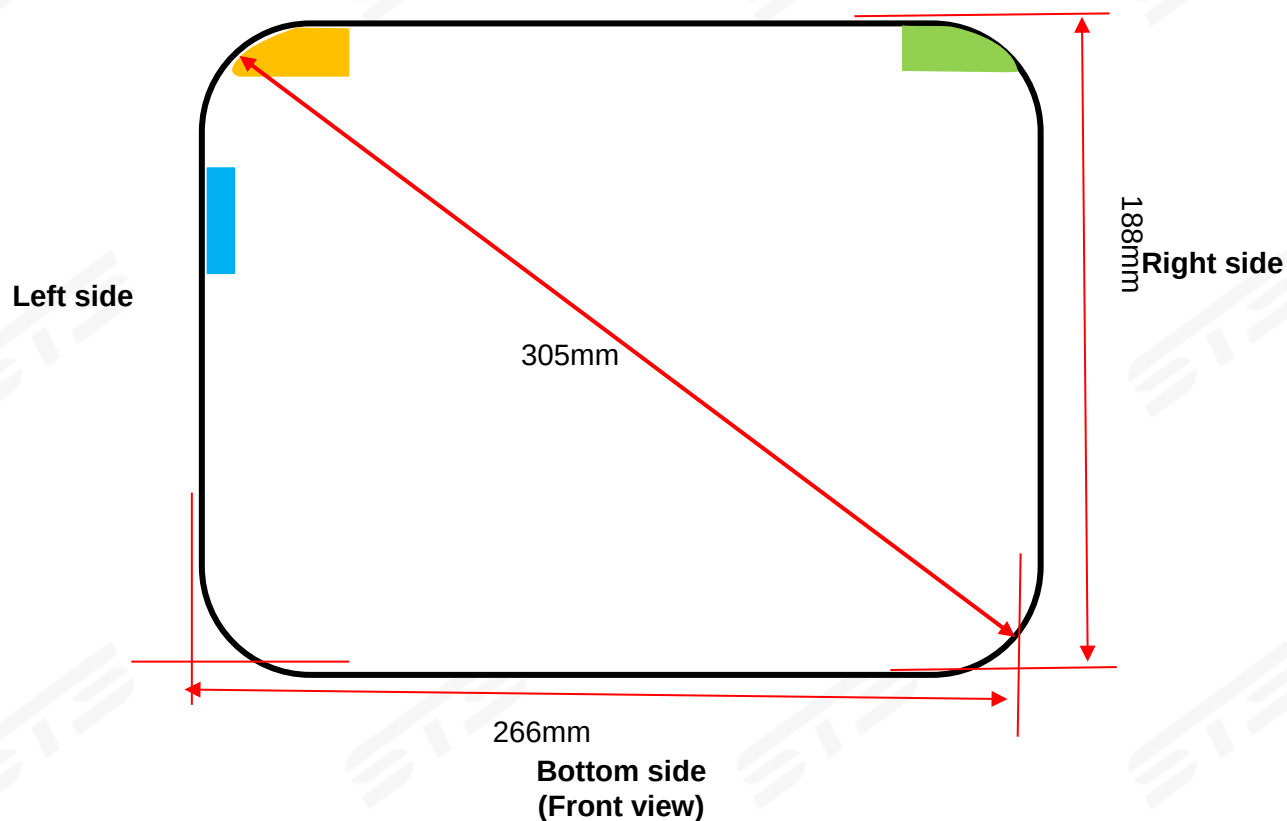
➤ Area Scan& Zoom Scan

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 10.1" Medical Android Tablet, support WLAN mode.

Top side



Antenna Separation Distance(mm)					
ANT	Back Side	Left Side	Right Side	Top Side	Bottom Side
WIFI Main	≤5	240	≤5	≤5	166
WIF Aux	≤5	≤5	240	≤5	166
BT	≤5	≤5	245	15	150

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 SAR evaluation of Maximum power (dBm) summing tolerance.

Exposure Position	Wireless Interface	BT	BLE
	Calculated Frequency(GHz)	2.441	2.44
Back Side	Maximum Turn-up power (dBm)	8.5	5
	Maximum rated power(mW)	7.08	3.16
	Separation distance (cm)	0.5	0.5
	exclusion threshold(mW)	2.75	2.75
	Testing required?	YES	YES
Left Side	Separation distance (cm)	0.5	0.5
	exclusion threshold(mW)	2.75	2.75
	Testing required?	YES	YES
Right Side	Separation distance (cm)	24.5	24.5
	exclusion threshold(mW)	4500.90	4500.82
	Testing required?	NO	NO
Top Side	Separation distance (cm)	1.5	1.5
	exclusion threshold(mW)	22.22	22.23
	Testing required?	NO	NO
Bottom Side	Separation distance (cm)	15	15
	exclusion threshold(mW)	1770.80	1770.84
	Testing required?	NO	NO

Exposure Position	Wireless Interface	2.4G WLAN_ANT_1	2.4G WLAN_ANT_2	2.4G WLAN_MIM_O_ANT_1	2.4G WLAN_MIM_O_ANT_2	5.2G WLAN_ANT_1	5.2G WLAN_ANT_2	5.2G WLAN_MIM_O_ANT_1	5.2G WLAN_MIM_O_ANT_2	5.3G WLAN_ANT_1	5.3G WLAN_ANT_2	5.3G WLAN_MIM_O_ANT_1	5.3G WLAN_MIM_O_ANT_2
	Calculated Frequency(GHz)	2.437	2.412	2.437	2.437	5.2	5.2	5.2	5.2	5.26	5.32	5.26	5.26
Back Side	Maximum Turn-up power (dBm)	16.5	16	20	20	11.5	13	15.5	15.5	12	12.5	15	15
	Maximum rated power(mW)	44.67	39.81	100.00	100.00	14.13	19.95	35.48	35.48	15.85	17.78	31.62	31.62
	Separation distance (cm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	exclusion threshold(mW)	2.76	2.78	2.76	2.76	1.50	1.50	1.50	1.50	1.49	1.47	1.49	1.49
	Testing required?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Left Side	Separation distance (cm)	24	0.5	24	0.5	24	0.5	24	0.5	24	0.5	24	0.5
	exclusion threshold(mW)	4327.58	2.78	4327.58	2.76	4459.40	1.50	4459.40	1.50	4461.42	1.47	4461.42	1.49
	Testing required?	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES
Right Side	Separation distance (cm)	0.5	24	0.5	24	0.5	24	0.5	24	0.5	24	0.5	24
	exclusion threshold(mW)	2.76	4325.81	2.76	4327.58	1.50	4459.40	1.50	4459.40	1.49	4463.43	1.49	4461.42
	Testing required?	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
Top Side	Separation distance (cm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	exclusion threshold(mW)	2.76	2.78	2.76	2.76	1.50	1.50	1.50	1.50	1.49	1.47	1.49	1.49
	Testing required?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Bottom Side	Separation distance (cm)	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
	exclusion threshold(mW)	2147.28	2148.18	2147.28	2147.28	2082.43	2082.43	2082.43	2082.43	2081.47	2080.51	2081.47	2081.47
	Testing required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Exposure Position	Wireless Interface	5.6G WLAN_ANT_1	5.6G WLAN_ANT_2	5.6G WLAN_MIM_O_ANT_1	5.6G WLAN_MIM_O_ANT_2	5.8G WLAN_ANT_1	5.8G WLAN_ANT_2	5.8G WLAN_MIM_O_ANT_1	5.8G WLAN_MIM_O_ANT_2	5.9G WLAN_ANT_1	5.9G WLAN_ANT_2	5.9G WLAN_MIM_O_ANT_1	5.9G WLAN_MIM_O_ANT_2
	Calculated Frequency(GHz)	5.5	5.5	5.5	5.5	5.825	5.745	5.745	5.745	5.885	5.865	5.885	5.885
Back Side	Maximum Turn-up power (dBm)	9	13.5	14	14	10	12	13	13	11.5	11.5	15	15
	Maximum rated power(mW)	7.94	22.39	25.12	25.12	10.00	15.85	19.95	19.95	19.95	14.13	31.62	31.62
	Separation distance (cm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	exclusion threshold(mW)	1.44	1.44	1.44	1.44	1.37	1.39	1.39	1.39	1.36	1.36	1.36	1.36
	Testing required?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Left Side	Separation distance (cm)	24	0.5	24	0.5	24	0.5	24	0.5	24	0.5	24	0.5
	exclusion threshold(mW)	4469.31	1.44	4469.31	1.44	4479.48	1.39	4477.03	1.39	4481.30	1.36	4481.30	1.36
	Testing required?	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES
Right Side	Separation distance (cm)	0.5	24	0.5	24	0.5	24	0.5	24	0.5	24	0.5	24
	exclusion threshold(mW)	1.44	4469.31	1.44	4469.31	1.37	4477.03	1.39	4477.03	1.36	4480.69	1.36	4481.30
	Testing required?	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
Top Side	Separation distance (cm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	exclusion threshold(mW)	1.44	1.44	1.44	1.44	1.37	1.39	1.39	1.39	1.36	1.36	1.36	1.36
	Testing required?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Bottom Side	Separation distance (cm)	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
	exclusion threshold(mW)	2077.71	2077.71	2077.71	2077.71	2072.89	2074.05	2074.05	2074.05	2072.03	2072.32	2072.03	2072.03
	Testing required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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 D04, 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 D04, if the maximum time-averaged power available does not exceed 1 mW. This stand-alone SAR exemption test.



4. Per KDB 447498 D04, 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);

5. Per KDB 447498 D04, An alternative to the SAR-based exemption is using below table and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in below table to apply, R must be at least $\lambda/2\pi$, where λ is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of $\lambda/4$ or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

RF Source frequency (MHz)	Threshold ERP(watts)
0.3-1.34	$1,920 R^2$.
1.34-30	$3,450 R^2/f^2$.
30-300	$3.83 R^2$.
300-1,500	$0.0128 R^2 f$.
1,500-100,000	$19.2 R^2$.



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.
7. Per KDB 616217 D04, SAR evaluation for the front surface of tablet display screens are generally not necessary.
8. Per KDB 248227, as maximum rated power for U-NII-1 > U-NII-2A, U-NII-1 was chosen for SAR evaluation. Based on the measurements obtained, SAR measurements on U-NII-2A are not required as highest reported SAR from U-NII-1 band is $\leq 1.2\text{W/Kg}$.

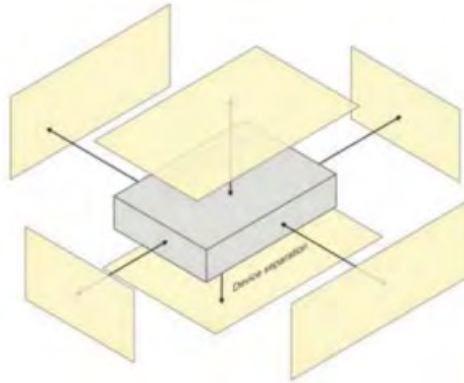
8. EUT Test Position

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

8.1 Body-worn Position Conditions

Body-worn Position Conditions:

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB Publication 447498 D04 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. When the same wireless transmission configuration is used for testing body-worn accessory and hotspot mode SAR, respectively, in voice and data mode, SAR results for the most conservative *test separation distance* configuration may be used to support both SAR conditions. When the *reported* SAR for a body-worn accessory, measured without a headset connected to the handset, is $> 1.2 \text{ W/kg}$, the highest *reported* SAR configuration for that wireless mode and frequency band should be repeated for the body-worn accessory with a headset attached to the handset.





9. Uncertainty

9.1 Measurement Uncertainty

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

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

BT

BT				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	7.85	6.10
	39	2441	8.03	6.35
	78	2480	7.86	6.11
$\pi/4$ -QPSK(2Mbps)	0	2402	7.62	5.78
	39	2441	7.82	6.05
	78	2480	7.63	5.79
8DPSK(3Mbps)	0	2402	7.7	5.89
	39	2441	7.84	6.08
	78	2480	7.73	5.93

BLE

BLE				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	4.7	2.95
	19	2440	4.89	3.08
	39	2480	4.84	3.05
GFSK(2Mbps)	0	2402	4.75	2.99
	19	2440	4.79	3.01
	39	2480	4.73	2.97

**2.4G WLAN**

2.4GWIFI					
Mode	Channel Number	Frequency (MHz)	ANT_1 Conducted Power (dBm)	ANT_2 Conducted Power (dBm)	ANT_1+2 Conducted Power (dBm)
802.11b	1	2412	16.24	15.40	N/A
	7	2437	16.25	15.17	N/A
	11	2462	16.16	14.76	N/A
802.11g	1	2412	16.41	15.09	N/A
	7	2437	16.24	15.26	N/A
	11	2462	16.12	15.02	N/A
802.11 n-HT20	1	2412	16.93	15.99	19.50
	7	2437	17.10	16.39	19.77
	11	2462	17.24	16.13	19.73
802.11 n-HT40	3	2422	16.28	16.19	19.25
	6	2437	15.26	14.63	17.97
	9	2452	15.32	14.77	18.06
802.11ax-HE20	1	2412	16.93	16.22	19.60
	7	2437	17.13	16.38	19.78
	11	2462	16.93	15.78	19.40
802.11ax-HE40	3	2422	16.62	15.49	19.10
	6	2437	16.54	15.44	19.04
	9	2452	16.69	15.36	19.09

5.2G WLAN

5.2G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT_1 Total Power (dBm)	ANT_2 Total Power (dBm)	ANT_1+2 Total Power (dBm)
802.11a	36	5180	10.67	11.11	N/A
	40	5200	11.09	11.66	N/A
	48	5240	10.32	10.50	N/A
802.11 n-HT20	36	5180	10.96	12.41	14.76
	40	5200	11.11	12.80	15.05
	48	5240	10.38	11.63	14.06
802.11 n-HT40	38	5190	9.97	11.35	13.72
	46	5230	9.43	11.54	13.62
802.11ac-VHT20	36	5180	10.74	12.00	14.43
	40	5200	9.82	11.45	13.72
	48	5240	10.43	11.48	14.00
802.11ac-VHT40	38	5190	9.14	10.56	12.92
	46	5230	9.37	11.55	13.61
802.11ac-VHT80	42	5210	8.91	11.07	13.13
802.11ax-HE20	36	5180	9.88	11.14	13.57
	40	5200	10.28	11.72	14.07
	48	5240	9.40	10.51	13.00
802.11ax-HE40	38	5190	9.21	10.49	12.91
	46	5230	8.61	10.85	12.88
802.11ax-HE80	42	5210	8.19	9.32	11.80

**5.3G WLAN**

5.3G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT_1 Total Power (dBm)	ANT_2 Total Power (dBm)	ANT_1+2 Total Power (dBm)
802.11a	52	5260	10.65	8.69	N/A
	60	5300	9.58	10.23	N/A
	64	5320	9.64	11.13	N/A
802.11 n-HT20	52	5260	11.24	9.93	13.64
	60	5300	9.51	11.29	13.50
	64	5320	9.54	12.10	14.02
802.11 n-HT40	54	5270	9.27	8.32	11.83
	62	5310	7.64	10.35	12.21
802.11ac-VHT20	52	5260	11.60	11.46	14.54
	60	5300	9.53	11.17	13.44
	64	5320	9.48	12.09	13.99
802.11ac-VHT40	54	5270	9.24	8.39	11.85
	62	5310	7.58	10.29	12.15
802.11ac-VHT80	58	5290	8.64	9.04	11.85
802.11ax-HE20	52	5260	11.73	11.34	14.55
	60	5300	9.93	11.44	13.76
	64	5320	8.21	11.26	13.01
802.11ax-HE40	54	5270	9.42	8.49	11.99
	62	5310	8.66	10.47	12.67
802.11ax-HE80	58	5290	8.67	9.03	11.86

5.6G WLAN

5.6G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT_1 Total Power (dBm)	ANT_2 Total Power (dBm)	ANT_1+2 Total Power (dBm)
802.11a	100	5500	8.67	12.43	N/A
	116	5580	7.09	11.52	N/A
	140	5700	7.17	8.89	N/A
802.11 n-HT20	100	5500	6.34	12.66	13.57
	116	5580	4.70	11.82	12.59
	140	5700	4.91	9.03	10.45
802.11 n-HT40	102	5510	5.40	12.17	13.00
	110	5550	5.52	9.35	10.85
	134	5670	4.98	9.03	10.47
802.11ac-VHT20	100	5500	6.19	12.53	13.44
	116	5580	4.70	11.74	12.52
	140	5700	4.66	8.92	10.30
802.11ac-VHT40	102	5510	5.36	12.06	12.90
	110	5550	4.47	8.22	9.75
	134	5670	4.98	8.97	10.43
802.11ac-VHT80	106	5530	4.67	9.93	11.06
	122	5610	2.61	11.58	12.10
802.11ax-HE20	100	5500	6.34	13.04	13.88
	116	5580	4.81	11.61	12.43
	140	5700	4.96	8.80	10.30
802.11ax-HE40	102	5510	5.49	12.24	13.07
	110	5550	5.93	10.68	11.93
	134	5670	5.13	9.22	10.65
802.11ax-HE80	106	5530	4.78	9.95	11.10
	122	5610	2.11	10.07	10.71

**5.8G WLAN**

5.8G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT_1 Total Power (dBm)	ANT_2 Total Power (dBm)	ANT_1+2 Total Power (dBm)
802.11a	149	5745	8.51	9.14	N/A
	157	5785	8.49	8.55	N/A
	165	5825	9.60	8.01	N/A
802.11 n-HT20	149	5745	6.51	11.76	12.89
	157	5785	7.22	9.64	11.61
	165	5825	8.29	9.20	11.78
802.11 n-HT40	151	5755	5.35	10.87	11.94
	159	5795	5.97	7.87	10.03
802.11ac-VHT20	149	5745	6.29	11.43	12.59
	157	5785	7.00	9.55	11.47
	165	5825	8.24	9.15	11.73
802.11ac-VHT40	151	5755	5.22	10.82	11.88
	159	5795	5.93	7.82	9.99
802.11ac-VHT80	155	5775	4.93	8.78	10.28
802.11ax-HE20	149	5745	6.40	11.39	12.59
	157	5785	7.05	9.37	11.37
	165	5825	8.24	8.99	11.64
802.11ax-HE40	151	5755	5.49	10.92	12.01
	159	5795	6.09	8.02	10.17
802.11ax-HE80	155	5775	4.90	8.74	10.24

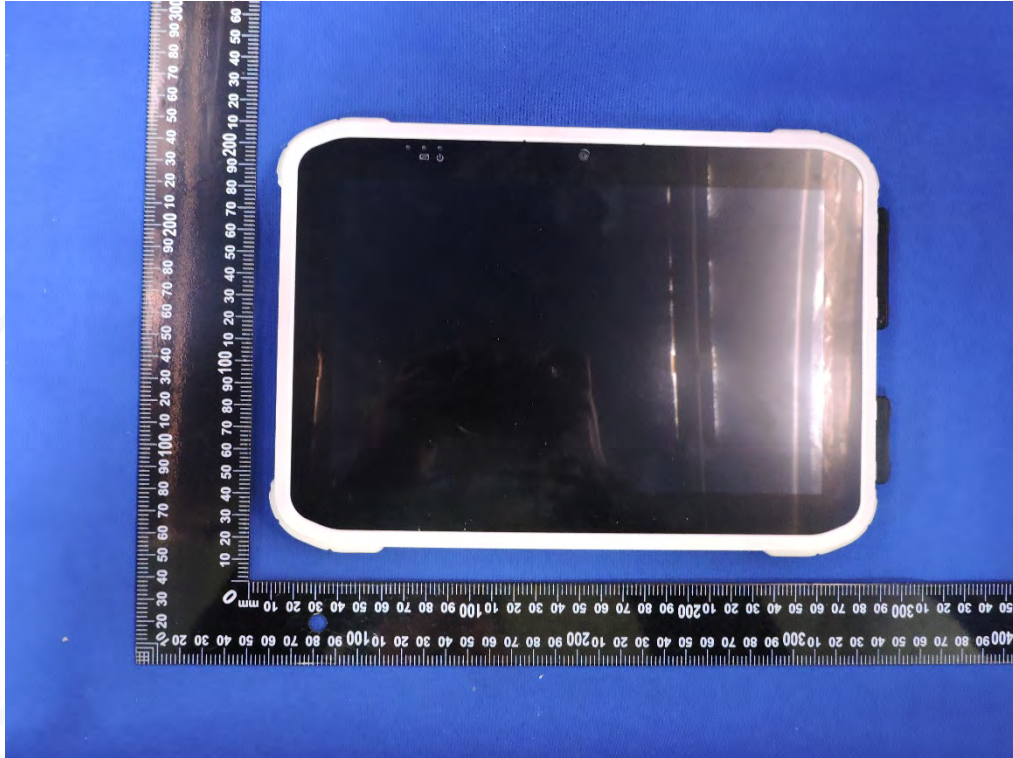
5.9G WLAN

5.9G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT_1 Total Power (dBm)	ANT_2 Total Power (dBm)	ANT_1+2 Total Power (dBm)
802.11a	169	5845	11.7	11.29	N/A
	173	5865	12.67	11.43	N/A
	177	5885	12.74	11.25	N/A
802.11 n-HT20	169	5845	11.16	10.96	14.07
	173	5865	12.14	11.22	14.71
	177	5885	12.23	11.11	14.72
802.11 n-HT40	167	5835	10.66	10.96	13.82
	175	5875	11.89	11.17	14.56
802.11ac-VHT20	169	5845	11.31	11.08	14.21
	173	5865	12.23	11.2	14.76
	177	5885	12.24	11.13	14.73
802.11ac-VHT40	167	5835	10.7	10.88	13.8
	175	5875	11.99	11.18	14.61
802.11ac-VHT80	171	5855	9.96	9.25	12.63
802.11ax-HE20	169	5845	11.55	11	14.29
	173	5865	12.38	11.16	14.82
	177	5885	12.49	11.08	14.85
802.11ax-HE40	167	5835	10.93	11.2	14.08
	175	5875	12.12	11.38	14.78
802.11ax-HE80	171	5855	10.3	9.57	12.96

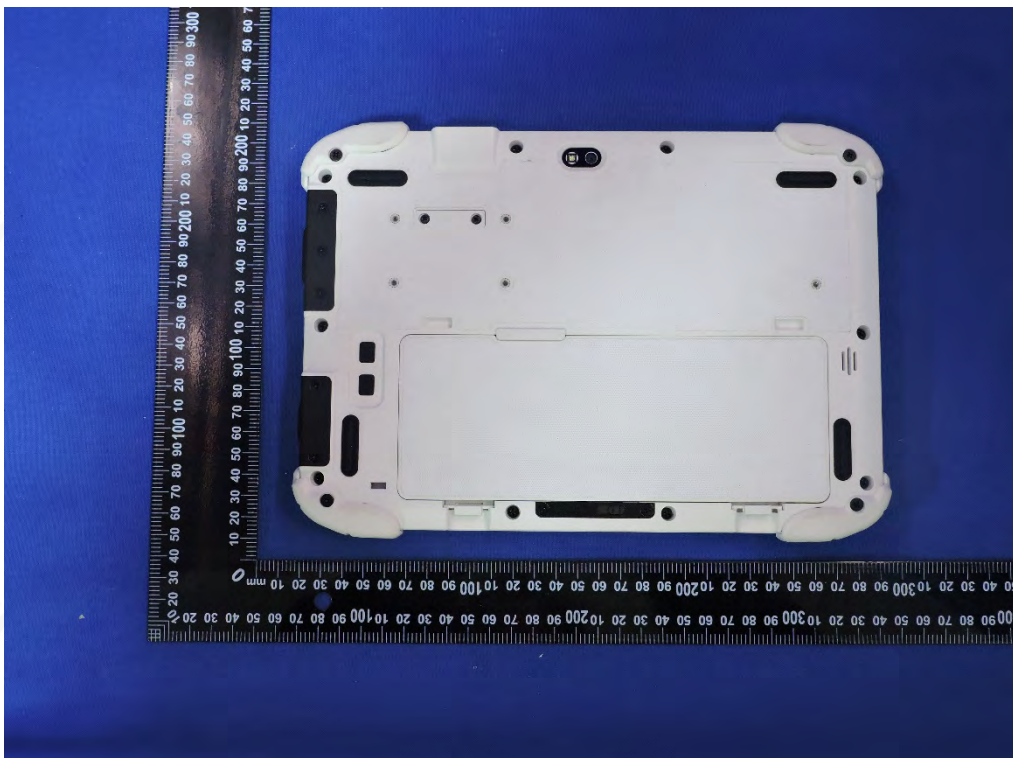
11. EUT and Test Setup Photo

11.1 EUT Photo

Front side

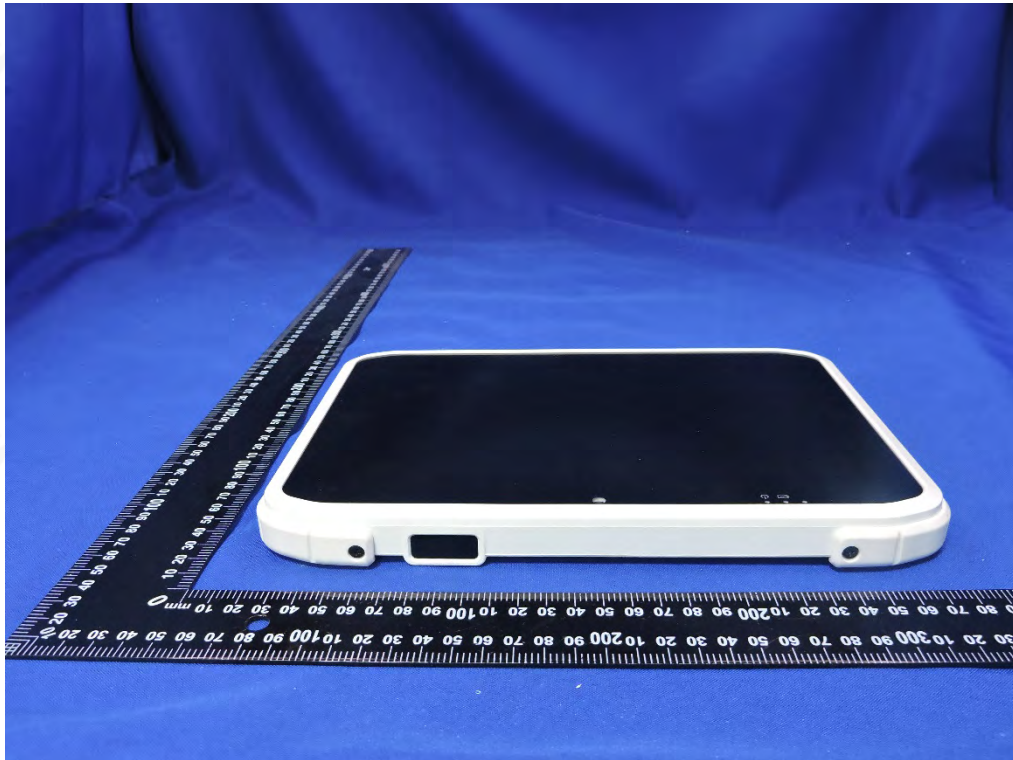


Back side

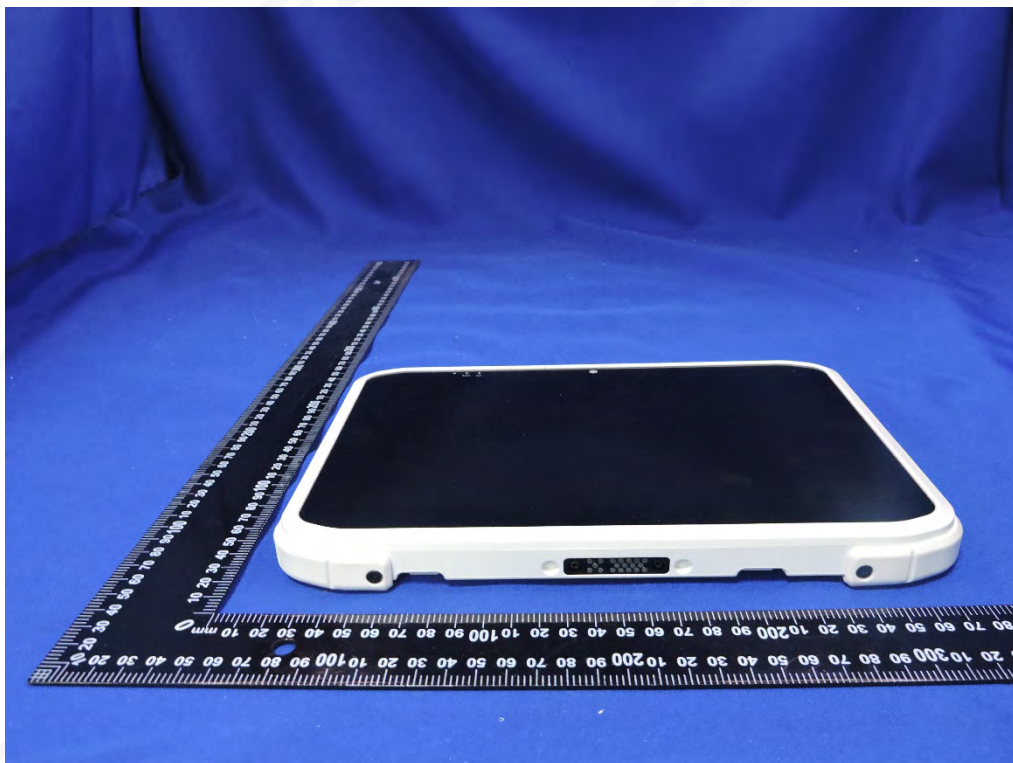




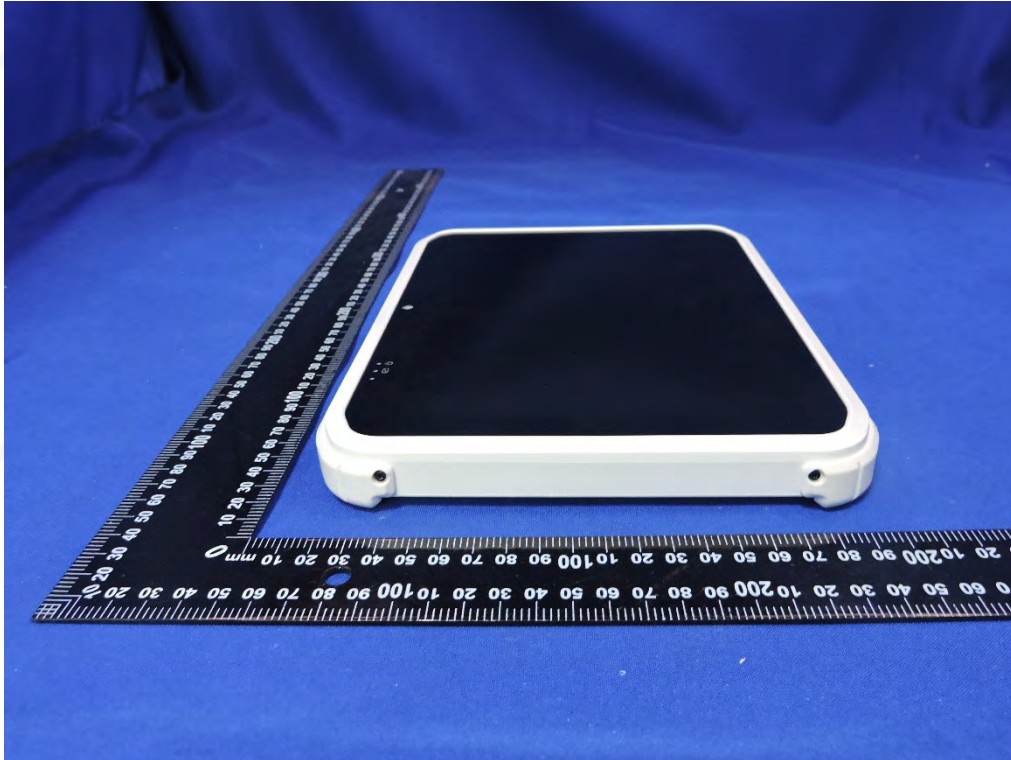
Top side



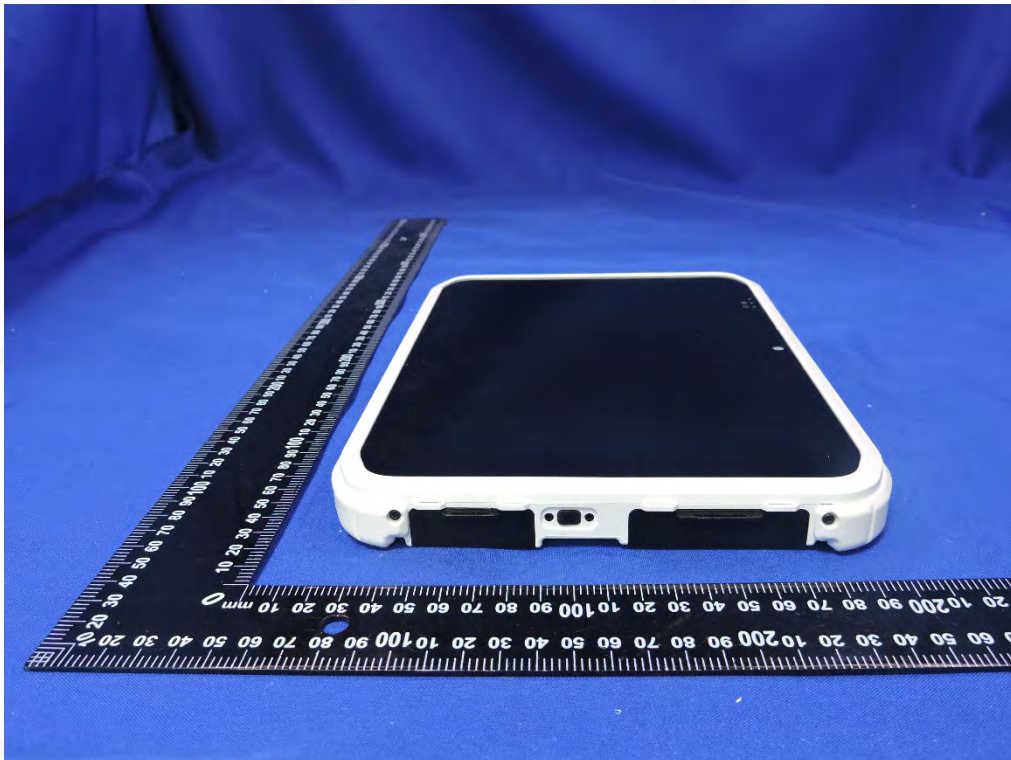
Bottom side



Left side



Right side



11.2 Setup Photo

Body Back Side (separation distance is 0mm)



Body Top Edge (separation distance is 0mm)



Body Left side(separation distance is 0mm)

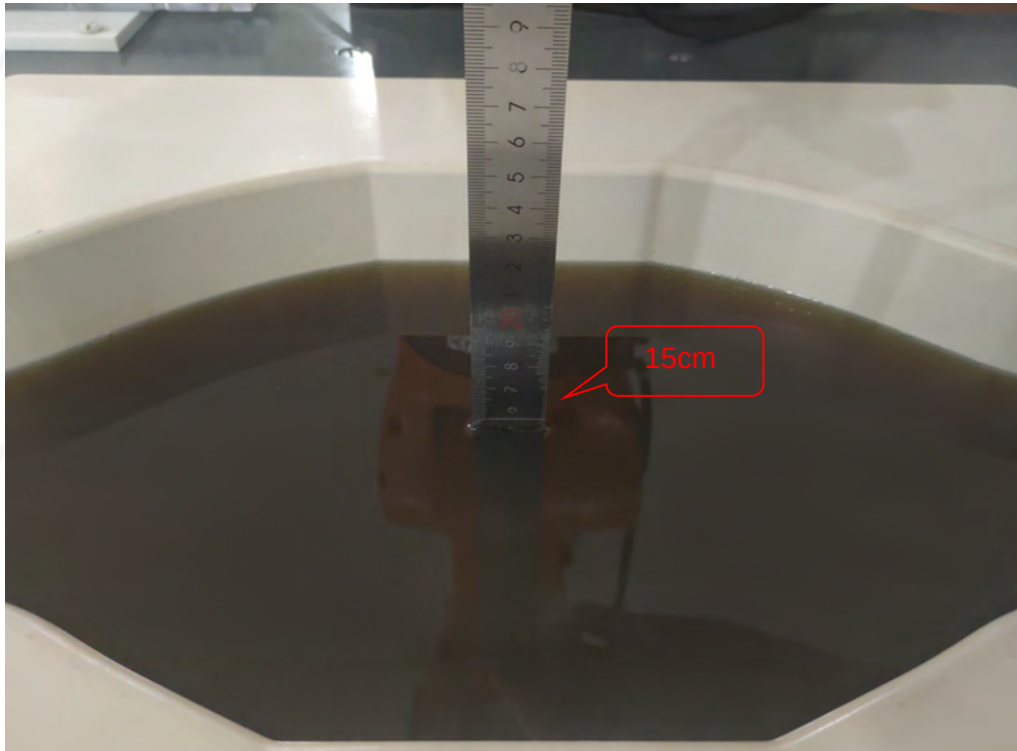


Body Right Side (separation distance is 0mm)





Liquid depth (15 cm)





12. SAR Result Summary

12.1 Body SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR (W/Kg)	Meas. No.
2.4G WLAN_ANT_1	802.11b	Back Side	2437	0.166	-2.74	16.50	16.25	0.176	1
		Right Side	2437	0.121	-2.77	16.50	16.25	0.128	/
		Top Side	2437	0.105	0.26	16.50	16.25	0.111	/
2.4G WLAN_ANT_2	802.11b	Back Side	2412	0.168	1.62	15.40	15.40	0.168	2
		Left Side	2412	0.135	0.75	15.40	15.40	0.135	/
		Top Side	2412	0.128	2.36	15.40	15.40	0.128	/
2.4G WLAN_MIMO_ANT_1	802.11ax-HE20	Back Side	2437	0.111	-3.81	20.00	19.78	0.117	3
		Right Side	2437	0.085	2.80	20.00	19.78	0.089	/
		Top Side	2437	0.091	1.35	20.00	19.78	0.096	/
2.4G WLAN_MIMO_ANT_2	802.11ax-HE20	Back Side	2437	0.101	0.73	20.00	19.78	0.106	4
		Left Side	2437	0.085	-1.29	20.00	19.78	0.089	/
		Top Side	2437	0.092	2.09	20.00	19.78	0.097	/
5.2G WLAN_ANT_1	802.11 n-HT20	Back Side	5200	0.208	-0.70	11.50	11.11	0.228	5
		Right Side	5200	0.185	3.95	11.50	11.11	0.202	/
		Top Side	5200	0.167	3.76	11.50	11.11	0.183	/
5.2G WLAN_ANT_2	802.11 n-HT20	Back Side	5200	0.253	2.79	13.00	12.80	0.265	6
		Left Side	5200	0.211	-2.03	13.00	12.80	0.221	/
		Top Side	5200	0.231	-3.71	13.00	12.80	0.242	/
5.2G WLAN_MIMO_ANT_1	802.11 n-HT20	Back Side	5200	0.165	-3.85	15.50	15.05	0.183	7
		Right Side	5200	0.140	3.27	15.50	15.05	0.155	/
		Top Side	5200	0.131	3.51	15.50	15.05	0.145	/
5.2G WLAN_MIMO_ANT_2	802.11 n-HT20	Back Side	5200	0.135	1.14	15.50	15.05	0.150	8
		Left Side	5200	0.120	3.92	15.50	15.05	0.133	/
		Top Side	5200	0.125	0.80	15.50	15.05	0.139	/
5.3G WLAN_ANT_1	802.11ax-HE20	Back Side	5260	0.286	-3.98	12.00	11.73	0.304	9
		Right Side	5260	0.241	-0.88	12.00	11.73	0.256	/
		Top Side	5260	0.222	0.41	12.00	11.73	0.236	/
5.3G WLAN_ANT_2	802.11 n-HT20	Back Side	5320	0.251	0.59	12.50	12.10	0.275	10
		Left Side	5320	0.214	1.19	12.50	12.10	0.235	/
		Top Side	5320	0.218	1.92	12.50	12.10	0.239	/
5.3G WLAN_MIMO_ANT_1	802.11ax-HE20	Back Side	5260	0.147	-3.81	15.00	14.55	0.163	11
		Right Side	5260	0.102	3.81	15.00	14.55	0.113	/
		Top Side	5260	0.121	-3.54	15.00	14.55	0.134	/
5.3G WLAN_MIMO_ANT_2	802.11ax-HE20	Back Side	5260	0.135	3.78	15.00	14.55	0.150	12
		Left Side	5260	0.125	3.54	15.00	14.55	0.139	/
		Top Side	5260	0.131	0.74	15.00	14.55	0.145	/
5.6G WLAN_ANT_1	802.11a	Back Side	5500	0.357	-3.19	9.00	8.67	0.385	13
		Back Side	5580	0.344	2.85	7.50	7.09	0.378	/
		Back Side	5700	0.345	-2.90	7.50	7.17	0.372	/
		Right Side	5500	0.215	-3.68	9.00	8.67	0.232	/
		Top Side	5500	0.305	-2.26	9.00	8.67	0.329	/
5.6G WLAN_ANT_2	802.11ax-HE20	Back Side	5500	0.283	2.89	13.50	13.04	0.315	14
		Left Side	5500	0.245	-3.72	13.50	13.04	0.272	/
		Top Side	5500	0.252	2.91	13.50	13.04	0.280	/



Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR (W/Kg)	Meas. No.
5.6G WLAN_MIMO_ANT _1	802.11ax -HE20	Back Side	5500	0.230	2.99	14.00	13.88	0.236	15
		Right Side	5500	0.221	3.10	14.00	13.88	0.227	/
		Top Side	5500	0.210	-1.23	14.00	13.88	0.216	/
5.6G WLAN_MIMO_ANT _2	802.11ax -HE20	Back Side	5500	0.161	1.85	14.00	13.88	0.166	16
		Left Side	5500	0.135	3.11	14.00	13.88	0.139	/
		Top Side	5500	0.141	-0.35	14.00	13.88	0.145	/
5.8G WLAN_ANT_1	802.11a	Back Side	5825	0.345	2.90	10.00	9.60	0.378	17
		Right Side	5825	0.321	-0.34	10.00	9.60	0.352	/
		Top Side	5825	0.302	2.65	10.00	9.60	0.331	/
5.8G WLAN_ANT_2	802.11 n- HT20	Back Side	5745	0.321	3.84	12.00	11.76	0.339	18
		Left Side	5745	0.285	-1.35	12.00	11.76	0.301	/
		Top Side	5745	0.305	-0.65	12.00	11.76	0.322	/
5.8G WLAN_MIMO_ANT _1	802.11 n- HT20	Back Side	5745	0.246	0.37	13.00	12.89	0.252	19
		Right Side	5745	0.210	-2.02	13.00	12.89	0.215	/
		Top Side	5745	0.208	1.95	13.00	12.89	0.213	/
5.8G WLAN_MIMO_ANT _2	802.11 n- HT20	Back Side	5745	0.268	-1.64	13.00	12.89	0.275	20
		Left Side	5745	0.214	0.37	13.00	12.89	0.219	/
		Top Side	5745	0.230	-3.30	13.00	12.89	0.236	/
5.9G WLAN_ANT_1	802.11a	Back Side	5885	0.361	-2.74	13.00	12.74	0.383	21
		Right Side	5885	0.324	0.67	13.00	12.74	0.344	/
		Top Side	5885	0.331	3.94	13.00	12.74	0.351	/
5.9G WLAN_ANT_2	802.11a	Back Side	5865	0.252	2.18	11.50	11.43	0.256	22
		Left Side	5865	0.214	1.58	11.50	11.43	0.217	/
		Top Side	5865	0.235	-0.92	11.50	11.43	0.239	/
5.9G WLAN_MIMO_ANT _1	802.11ax -HE20	Back Side	5885	0.282	0.16	15.00	14.85	0.292	23
		Right Side	5885	0.251	-3.58	15.00	14.85	0.260	/
		Top Side	5885	0.227	0.34	15.00	14.85	0.235	/
5.9G WLAN_MIMO_ANT _2	802.11ax -HE20	Back Side	5885	0.197	-1.43	15.00	14.85	0.204	24
		Left Side	5885	0.180	-1.73	15.00	14.85	0.186	/
		Top Side	5885	0.177	-3.99	15.00	14.85	0.183	/
BT	GFSK	Back Side	2441	0.049	-0.58	8.50	8.03	0.055	25
		Left Side	2441	0.034	-2.71	8.50	8.03	0.038	/
BLE	GFSK	Back Side	2440	0.036	0.12	5.00	4.89	0.037	26
		Left Side	2440	0.023	-4.25	5.00	4.89	0.024	/



Band	ANT	Max SAR	BT+2.4G WLAN_ANT_1
		(W/Kg)	
BT+2.4G WLAN_ANT_1	BT	0.055	0.232
	ANT-A	0.177	
Band	ANT	Max SAR	BT+2.4G WLAN_ANT_2
		(W/Kg)	
BT+2.4G WLAN_ANT_2	BT	0.055	0.161
	ANT-B	0.106	
Band	ANT	Max SAR	BT+5.9G WLAN_ANT_1
		(W/Kg)	
BT+5.9G WLAN_ANT_1	BT	0.055	0.347
	ANT-A	0.292	
Band	ANT	Max SAR	BT+5.9G WLAN_ANT_2
		(W/Kg)	
BT+5.9G WLAN_ANT_2	BT	0.055	0.092
	ANT-B	0.037	
Band	ANT	Max SAR	2.4G WLAN_ANT_1+2
		(W/Kg)	
2.4G WLAN_ANT_1+2	ANT-A	0.117	0.223
	ANT-B	0.106	
Band	ANT	Max SAR	5.2G WLAN_ANT_1+2
		(W/Kg)	
5.2G WLAN_ANT_1+2	ANT-A	0.183	0.333
	ANT-B	0.150	
Band	ANT	Max SAR	5.3G WLAN_ANT_1+2
		(W/Kg)	
5.3G WLAN_ANT_1+2	ANT-A	0.163	0.313
	ANT-B	0.150	
Band	ANT	Max SAR	5.6G WLAN_ANT_1+2
		(W/Kg)	
5.6G WLAN_ANT_1+2	ANT-A	0.236	0.402
	ANT-B	0.166	
Band	ANT	Max SAR	5.8G WLAN_ANT_1+2
		(W/Kg)	
5.8G WLAN_ANT_1+2	ANT-A	0.252	0.527
	ANT-B	0.275	
Band	ANT	Max SAR	5.9G WLAN_ANT_1+2
		(W/Kg)	
5.9G WLAN_ANT_1+2	ANT-A	0.292	0.329
	ANT-B	0.037	



Band	ANT	Max SAR	2.4G WLAN_ANT_1+2
		(W/Kg)	
BT+2.4G WLAN_MIMO	BT	0.055	0.278
	2.4G WLAN_MIMO	0.223	
Band	ANT	Max SAR	BT+5.2G WLAN_MIMO
		(W/Kg)	
BT+5.2G WLAN_MIMO	BT	0.055	0.388
	5.2G WLAN_MIMO	0.333	
Band	ANT	Max SAR	BT+5.3G WLAN_MIMO
		(W/Kg)	
BT+5.3G WLAN_MIMO	ANT-A	0.055	0.368
	5.3G WLAN_MIMO	0.313	
Band	ANT	Max SAR	5.6G WLAN_ANT_1+2
		(W/Kg)	
BT+5.6G WLAN_MIMO	ANT-A	0.055	0.457
	5.6G WLAN_MIMO	0.402	
Band	ANT	Max SAR	5.8G WLAN_ANT_1+2
		(W/Kg)	
BT+5.8G WLAN_MIMO	ANT-A	0.055	0.582
	5.8G WLAN_MIMO	0.527	
Band	ANT	Max SAR	5.9G WLAN_ANT_1+2
		(W/Kg)	
BT+5.9G WLAN_MIMO	ANT-A	0.055	0.384
	5.9G WLAN_MIMO	0.329	

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
- Per KDB 248227- When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg. (The highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power was **0.221** W/Kg for ANT 1)
- Per KDB 248227- When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg. (The highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power was **0.211** W/Kg for ANT 2)
- Per KDB 865664 D01, Repeated measurement is not required when the original highest measured SAR is <0.80 W/kg



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
Phantom1	MVG	SAM	SN 32/14 SAM115	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)

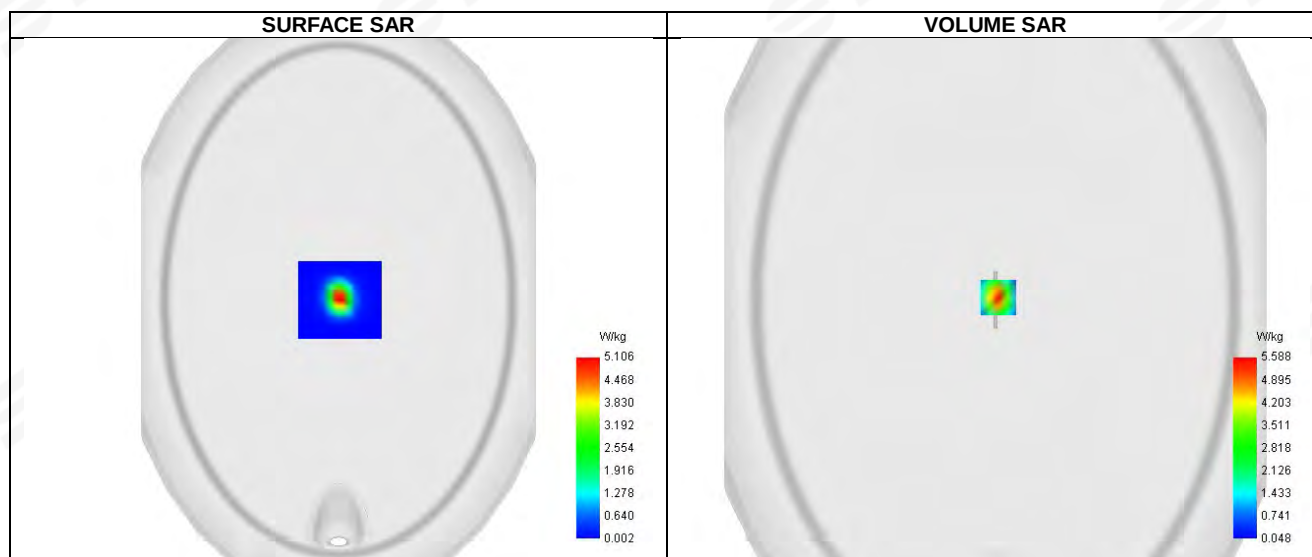
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-02-14

Experimental conditions.

Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity	39.40
Conductivity (S/m)	1.82
Probe	SN 08/21 EPGO352
ConvF	1.82
Crest factor:	1:1

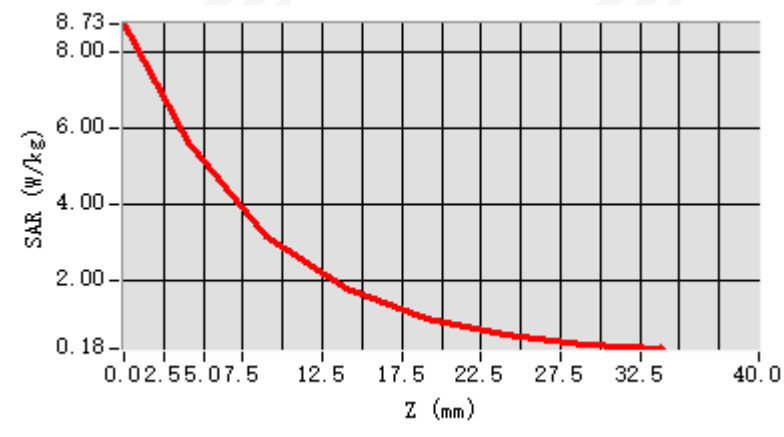


D. SAR 1g & 10g

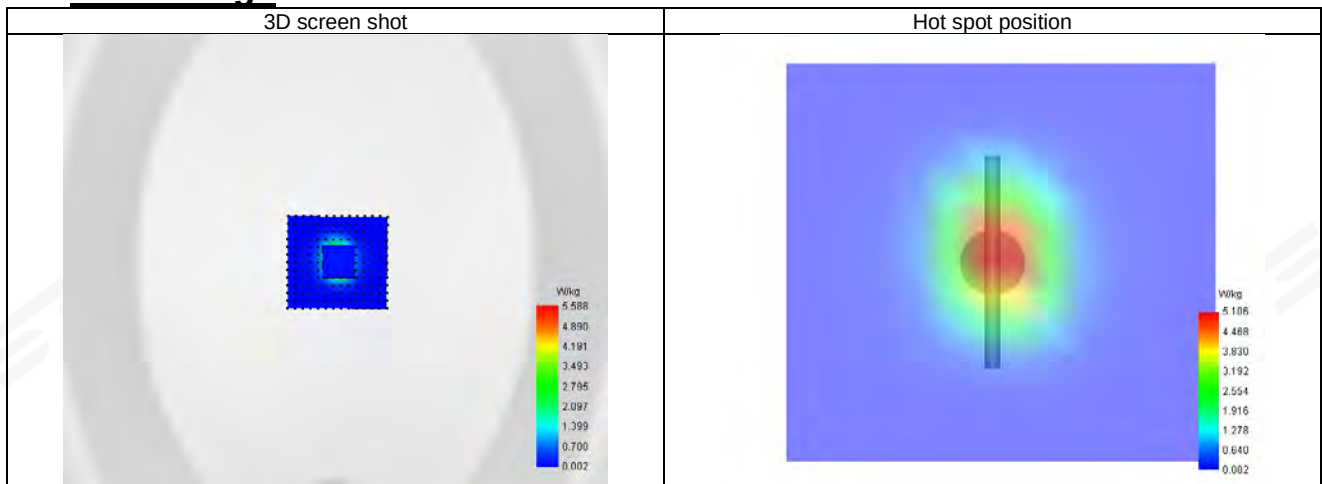
SAR 10g (W/Kg)	2.366
SAR 1g (W/Kg)	5.448
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.771189

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	8.725	5.588	3.116	1.747	0.990	0.557	0.313



F. 3D Image



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

Type: Dipole measurement (Complete)

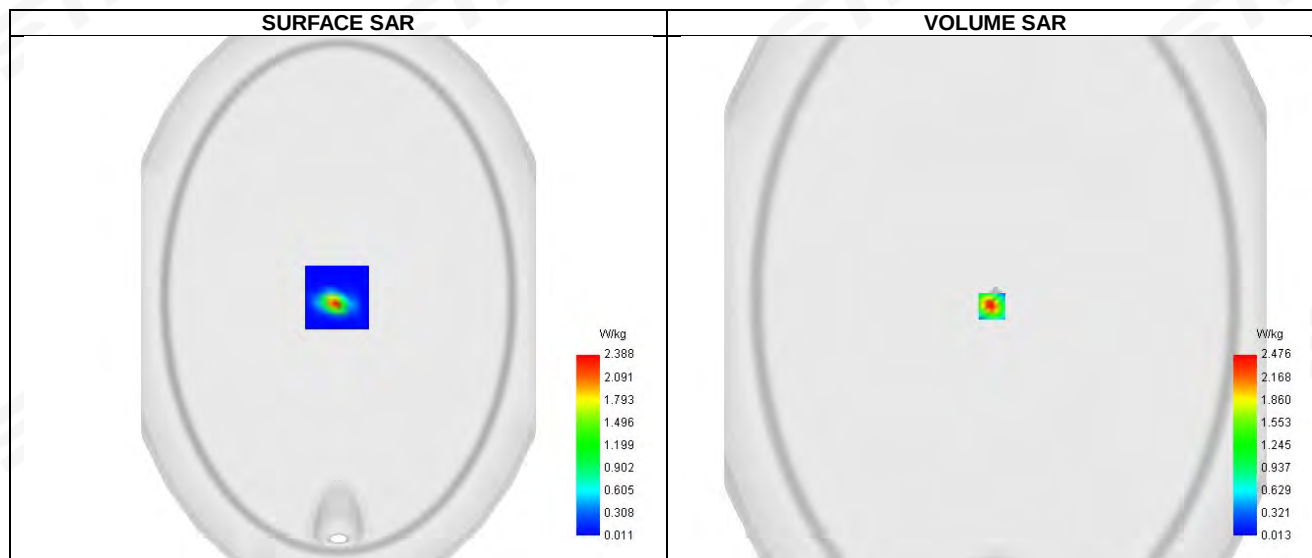
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-02-14

Experimental conditions.

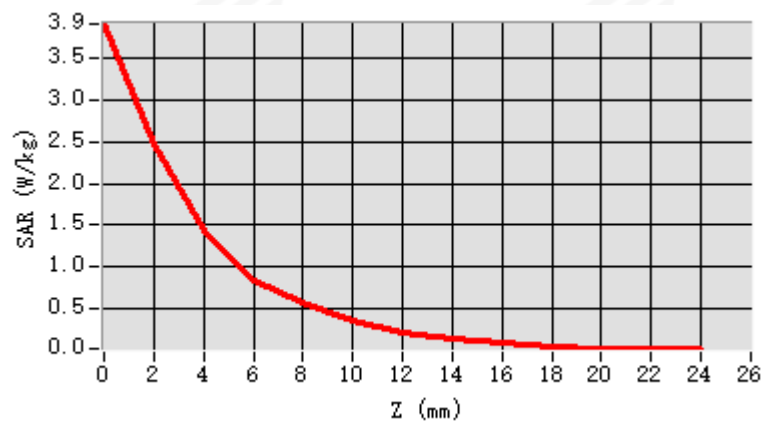
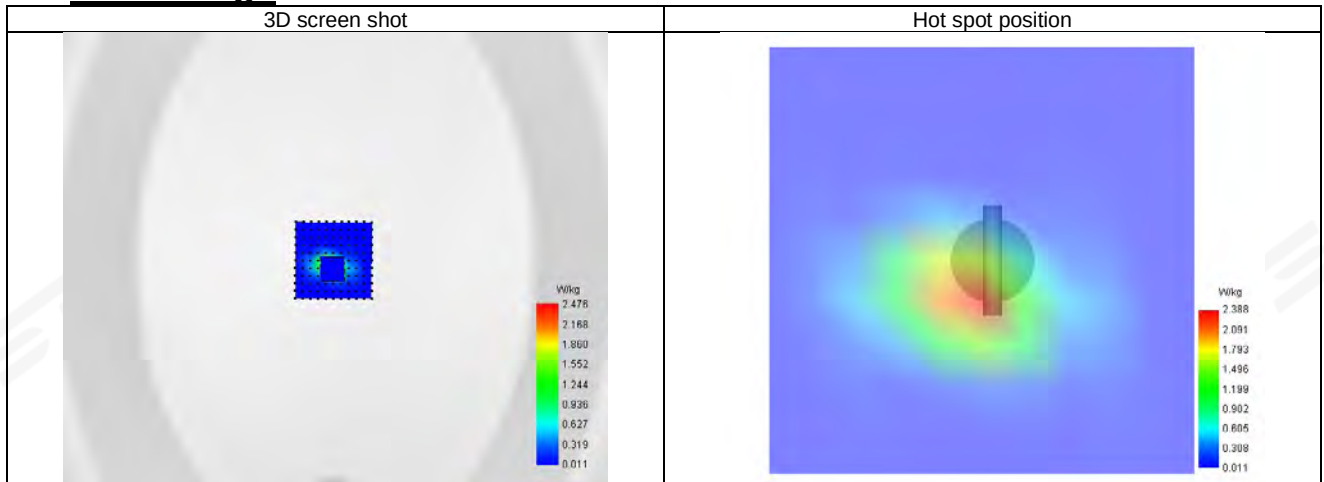
Phantom	Validation plane
Device Position	Dipole
Band	5200MHz
Channels	Middle
Signal	CW
Frequency (MHz)	5200
Relative permittivity	36.58
Conductivity (S/m)	4.68
Probe	SN 08/21 EPGO352
ConvF	1.37
Crest factor:	1:1

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

SAR 10g (W/Kg)	0.558
SAR 1g (W/Kg)	1.674
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	57.858396

**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)	3.914	2.476	1.433	0.826	0.562	0.347	0.215	0.133	0.082	0.051	0.031	0.019

**F. 3D Image**

**System Performance Check Data (5400MHz)**

Type: Dipole measurement (Complete)

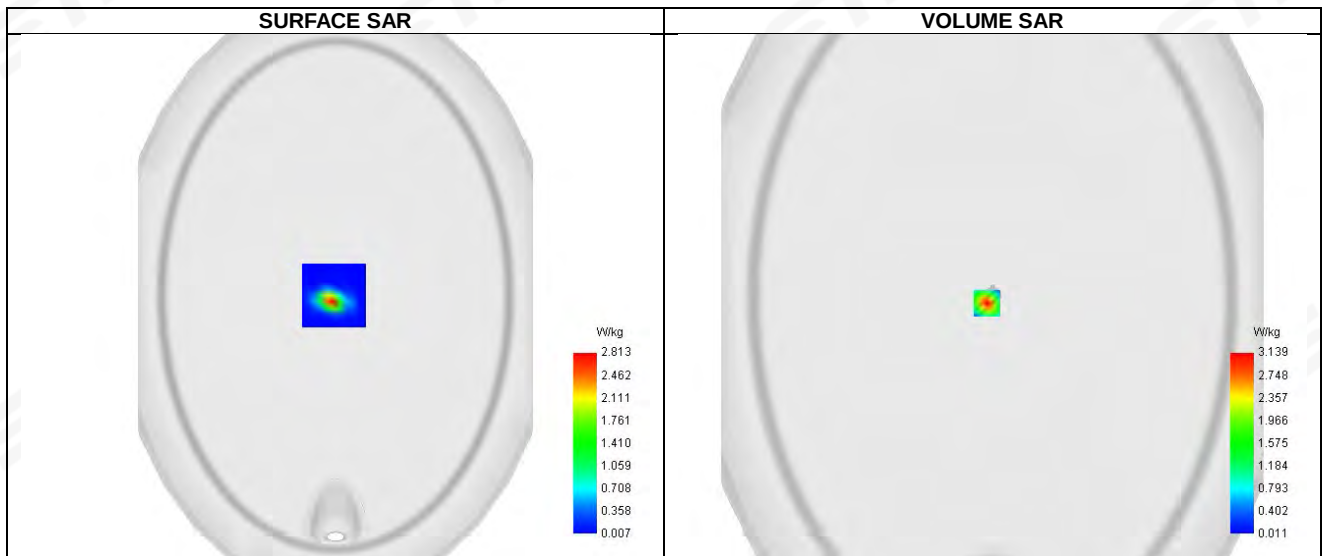
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-03-03

Experimental conditions.

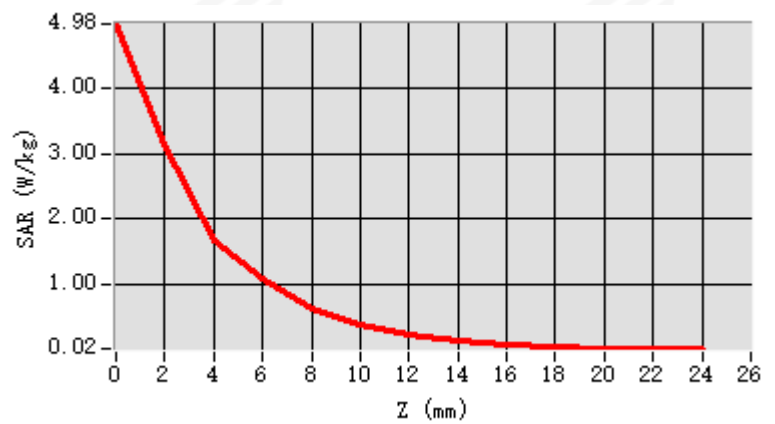
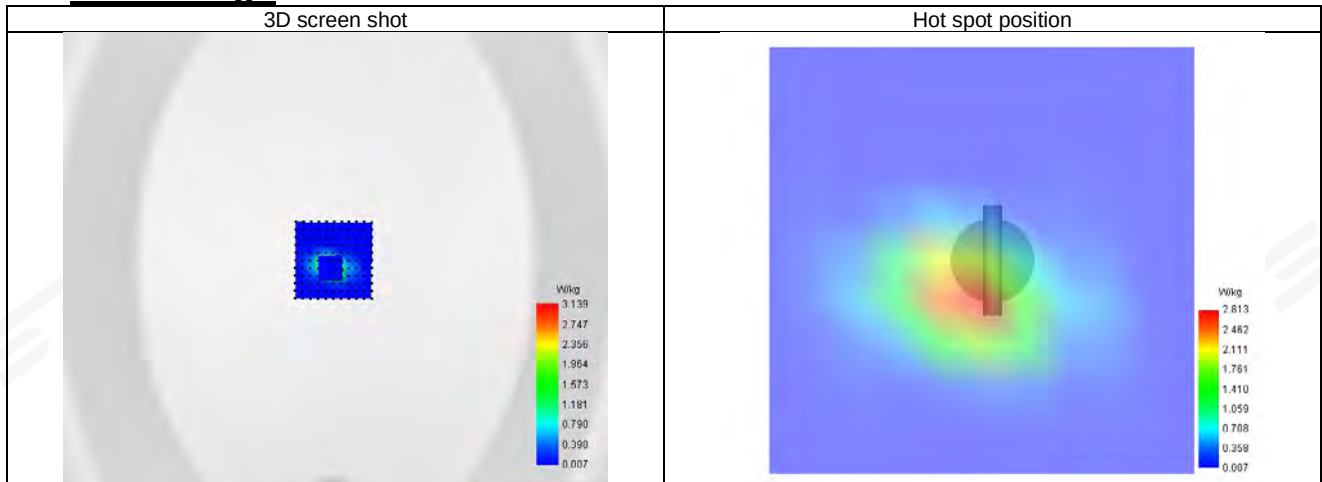
Phantom	Validation plane
Device Position	Dipole
Band	5400MHz
Channels	Middle
Signal	CW
Frequency (MHz)	5400
Relative permittivity	36.15
Conductivity (S/m)	4.90
Probe	SN 08/21 EPGO352
ConvF	1.26
Crest factor:	1:1

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

SAR 10g (W/Kg)	0.621
SAR 1g (W/Kg)	1.702
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	53.261285

**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)	4.977	3.139	1.672	1.079	0.640	0.381	0.227	0.135	0.080	0.048	0.029	0.017

**F. 3D Image**

**System Performance Check Data (5600MHz)**

Type: Dipole measurement (Complete)

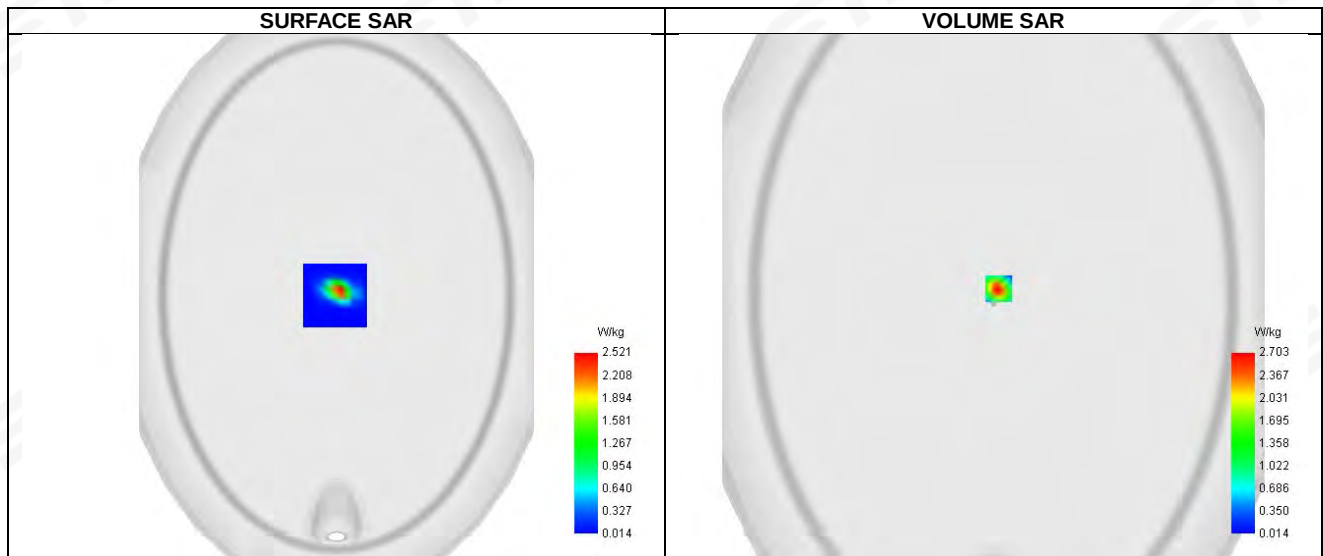
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-03-03

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	5600MHz
Channels	Middle
Signal	CW
Frequency (MHz)	5600
Relative permittivity	36.17
Conductivity (S/m)	5.06
Probe	SN 08/21 EPGO352
ConvF	1.21
Crest factor:	1:1



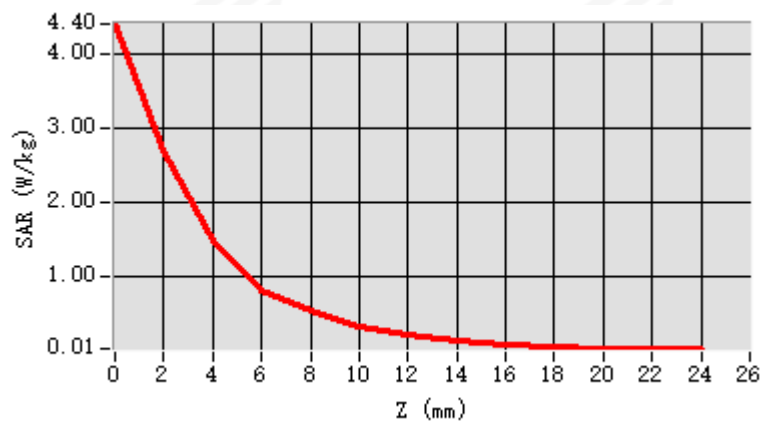
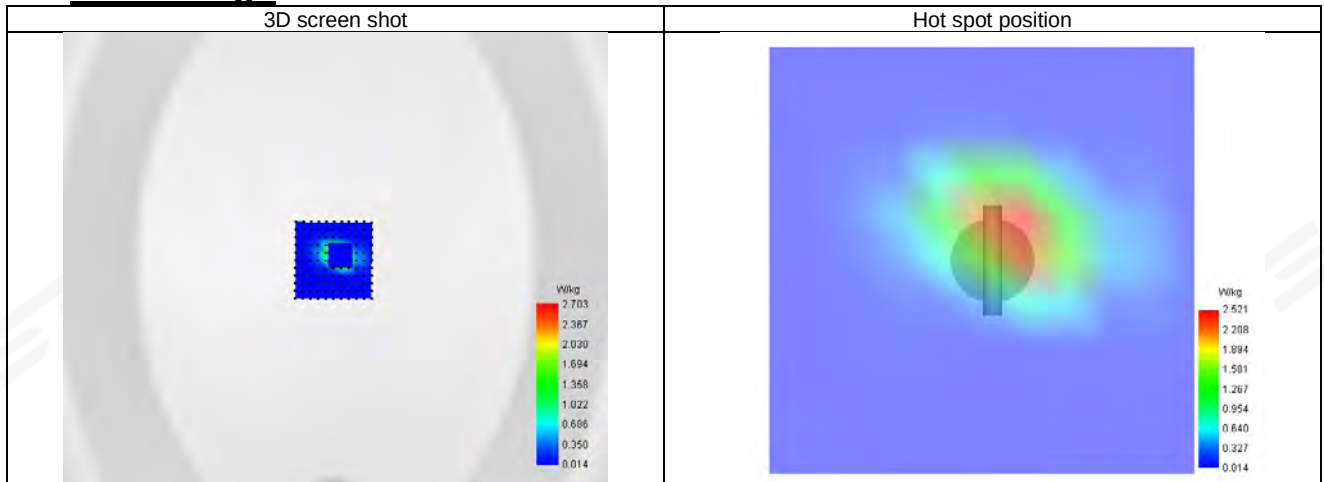
Maximum location: X=5.00, Y=6.00 ; SAR Peak: 4.74 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.633
SAR 1g (W/Kg)	1.819
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	55.123646

**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)	4.401	2.703	1.490	0.795	0.541	0.321	0.191	0.113	0.067	0.040	0.024	0.014

**F. 3D Image**

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

Type: Dipole measurement (Complete)

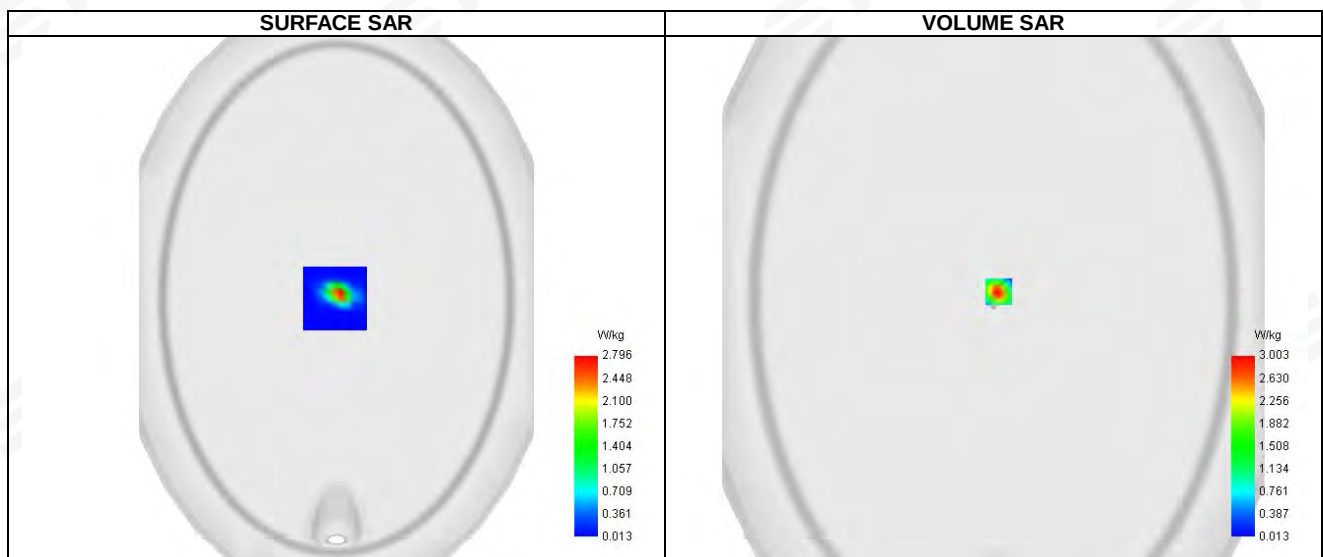
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-03-04

Experimental conditions.

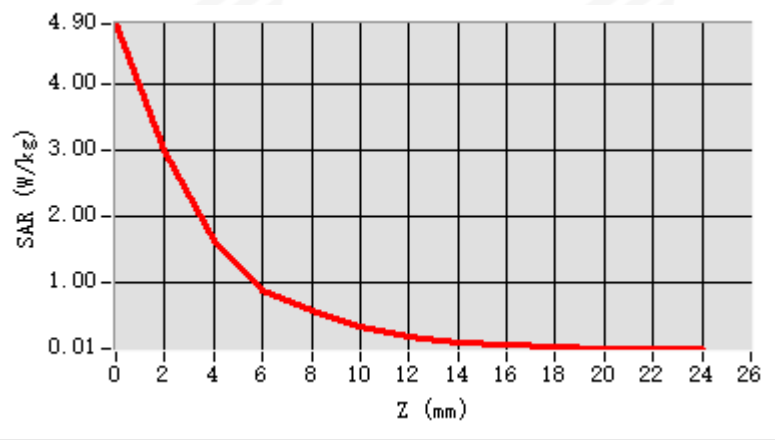
Phantom	Validation plane
Device Position	Dipole
Band	5800MHz
Channels	Middle
Signal	CW
Frequency (MHz)	5800
Relative permittivity	34.98
Conductivity (S/m)	5.28
Probe	SN 08/21 EPGO352
ConvF	1.32
Crest factor:	1:1

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

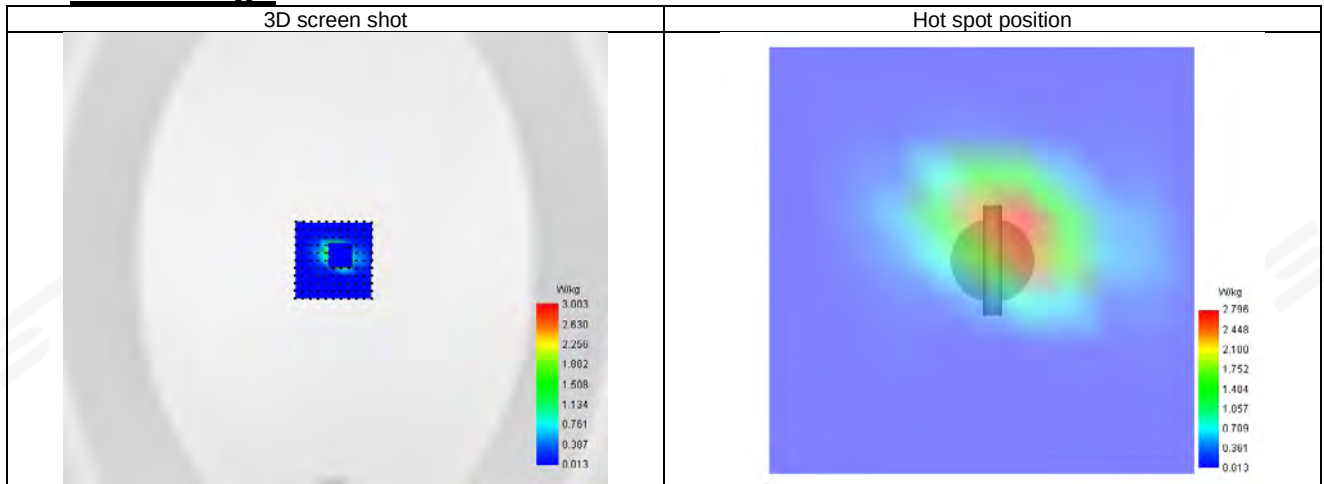
SAR 10g (W/Kg)	0.591
SAR 1g (W/Kg)	1.822
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	54.778098

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)	4.901	3.003	1.645	0.881	0.573	0.334	0.195	0.114	0.066	0.039	0.023	0.013



F. 3D Image

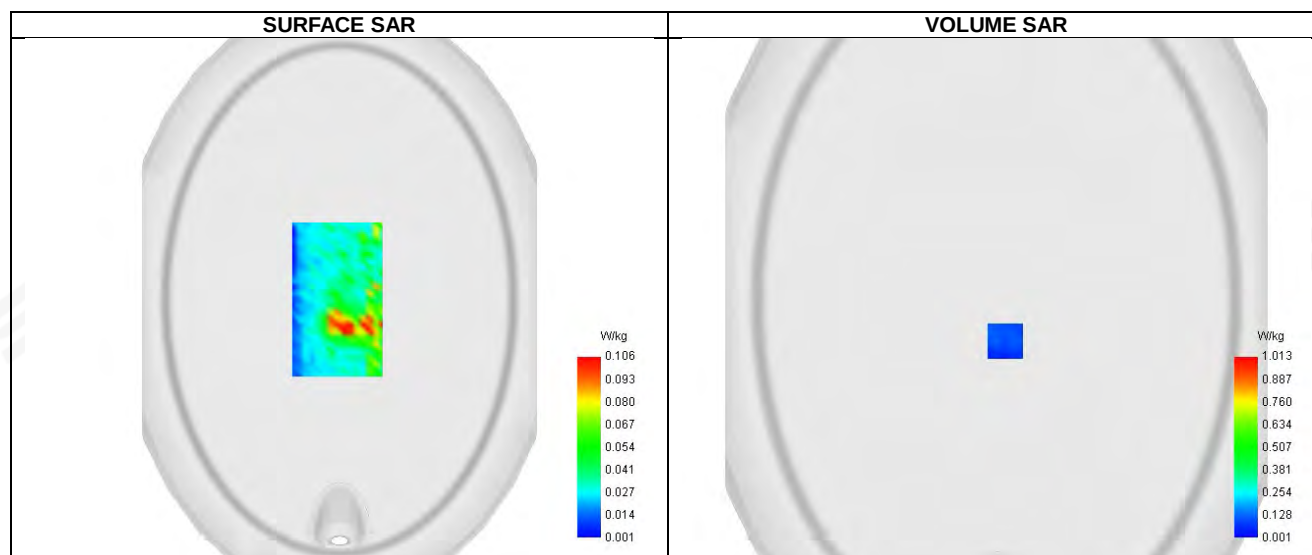




Appendix B. SAR Test Plots

Plot 1: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-02-14
ConvF	1.82
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	2.4G WLAN_ANT_1
Signal	802.11b (Crest factor: 1.0)
Frequency (MHz)	2437
Relative permittivity (real part)	39.64
Conductivity (S/m)	1.82

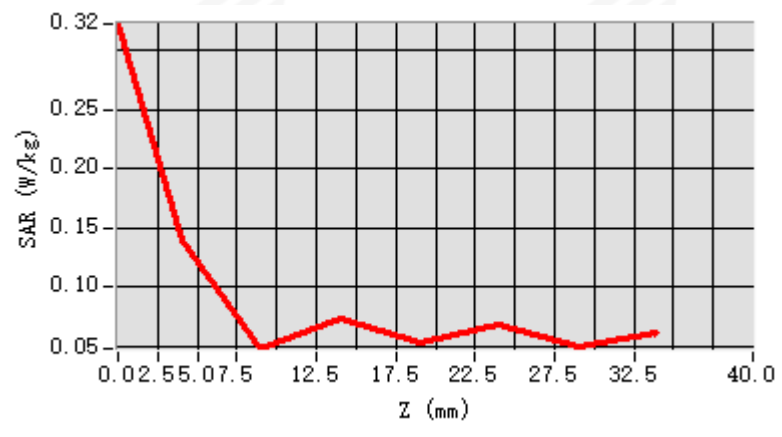
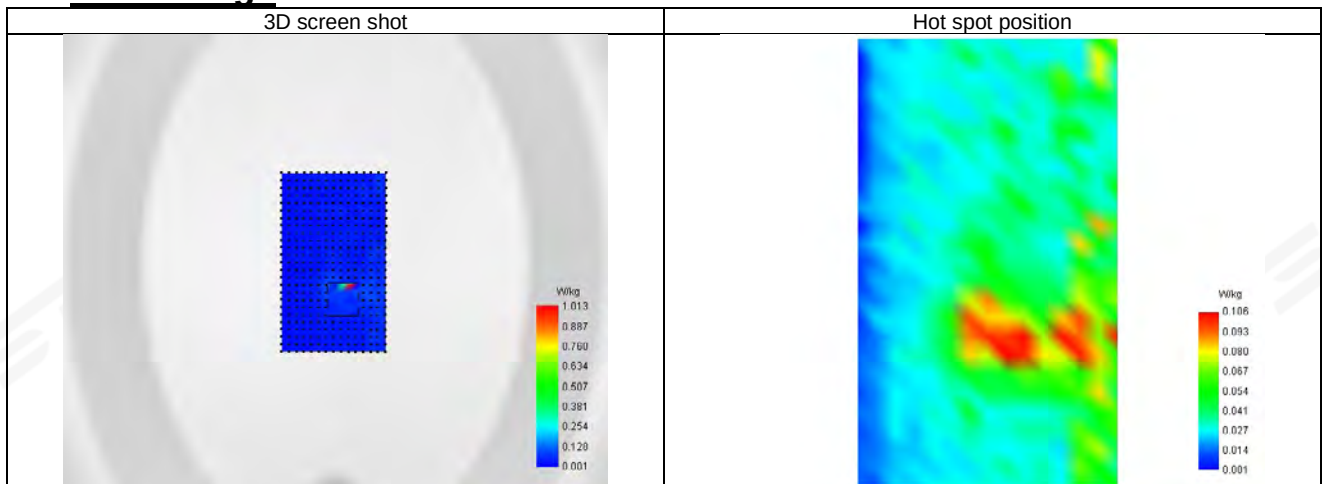


D. SAR 1g & 10g

SAR 10g (W/Kg)	0.085
SAR 1g (W/Kg)	0.166
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	76.703671

**E. Z Axis Scan**

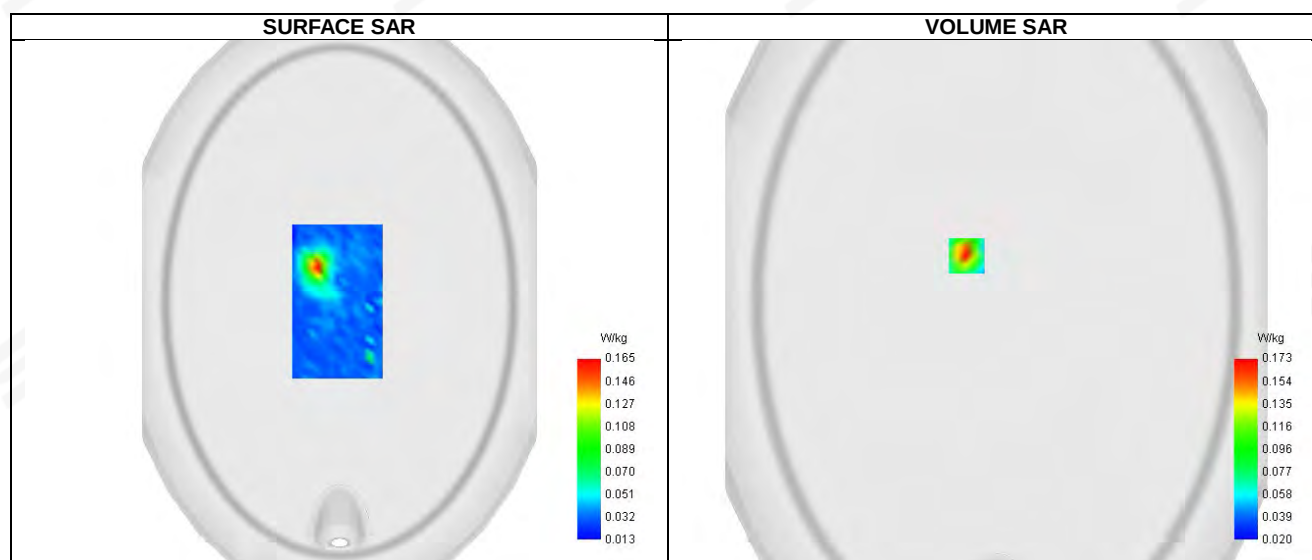
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.322	0.139	0.048	0.074	0.053	0.067	0.049

**F. 3D Image**



Plot 2: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-02-14
ConvF	1.82
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	2.4G WLAN_ANT_2
Signal	802.11b (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.93
Conductivity (S/m)	1.76



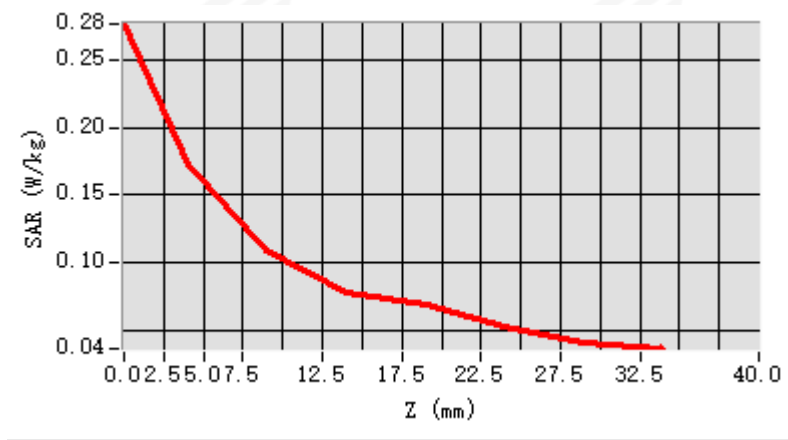
Maximum location: X=-27.00, Y=41.00 ; SAR Peak: 0.28 W/kg

D. SAR 1g & 10g

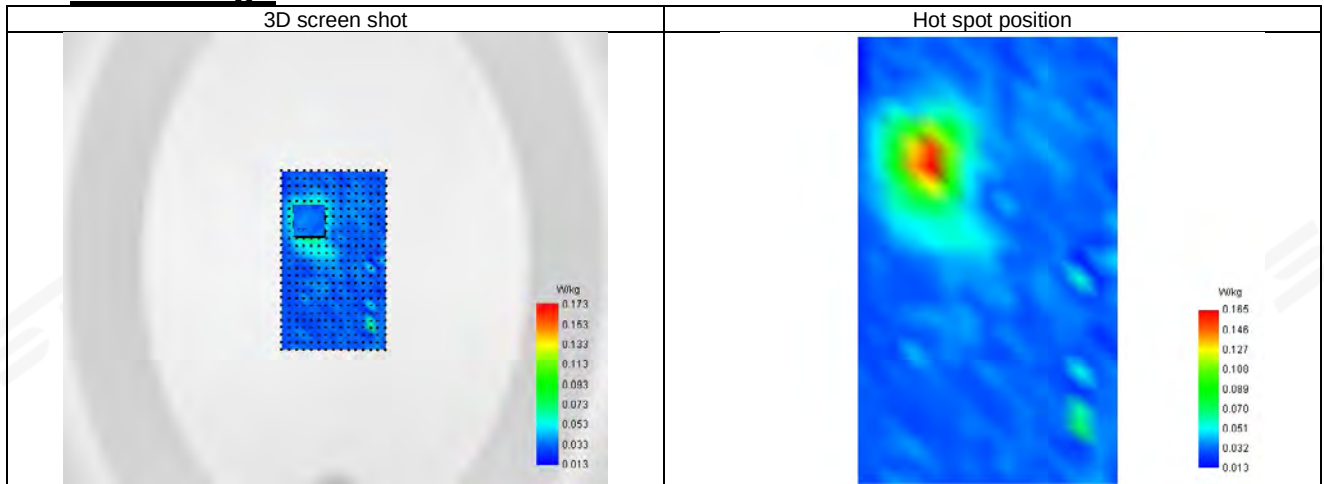
SAR 10g (W/Kg)	0.099
SAR 1g (W/Kg)	0.168
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	63.069261

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.277	0.173	0.109	0.077	0.069	0.053	0.040



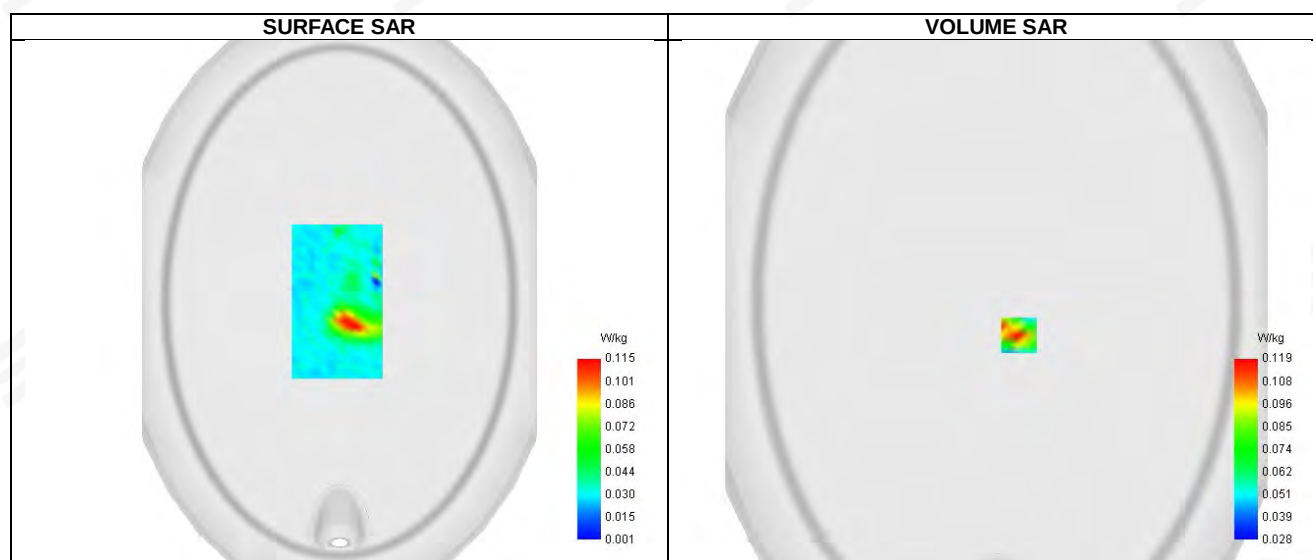
F. 3D Image





Plot 3: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-02-14
ConvF	1.82
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	2.4G WLAN_MIMO_ANT_1
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency (MHz)	2437
Relative permittivity (real part)	39.64
Conductivity (S/m)	1.82

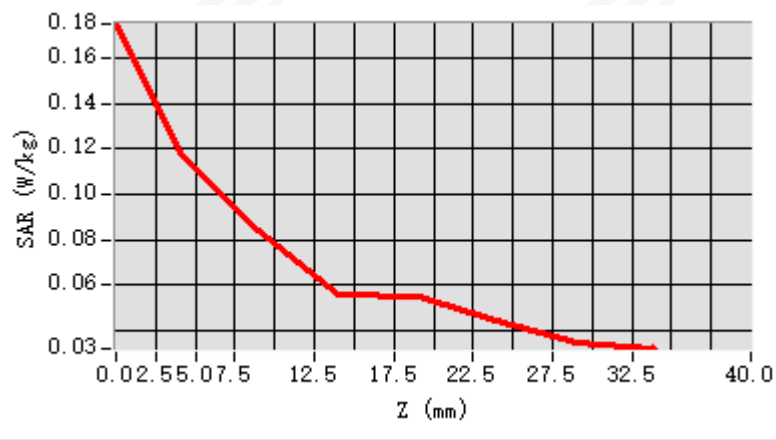


D. SAR 1g & 10g

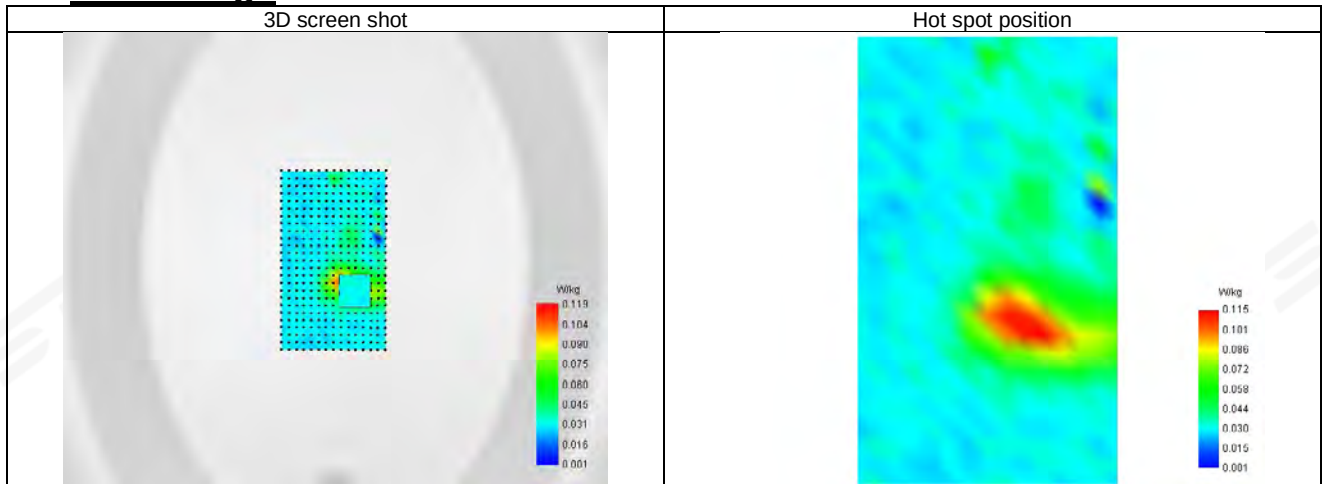
SAR 10g (W/Kg)	0.068
SAR 1g (W/Kg)	0.111
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	70.827911

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.175	0.119	0.084	0.056	0.055	0.044	0.035



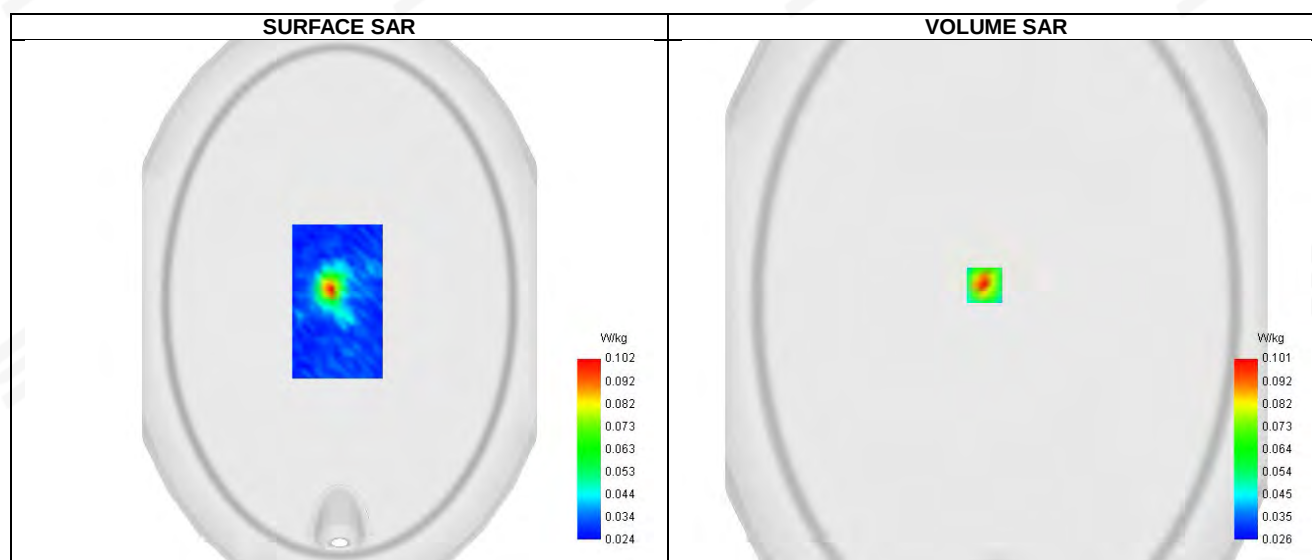
F. 3D Image





Plot 4: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-02-14
ConvF	1.82
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	2.4G WLAN_MIMO_ANT_2
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency (MHz)	2437
Relative permittivity (real part)	39.64
Conductivity (S/m)	1.82

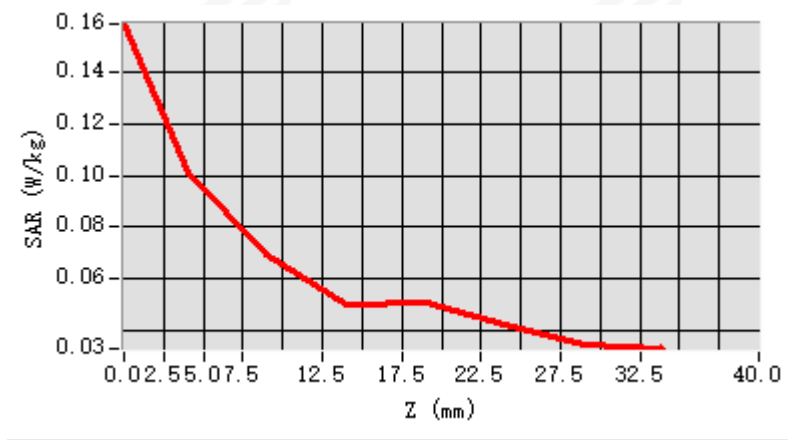


D. SAR 1g & 10g

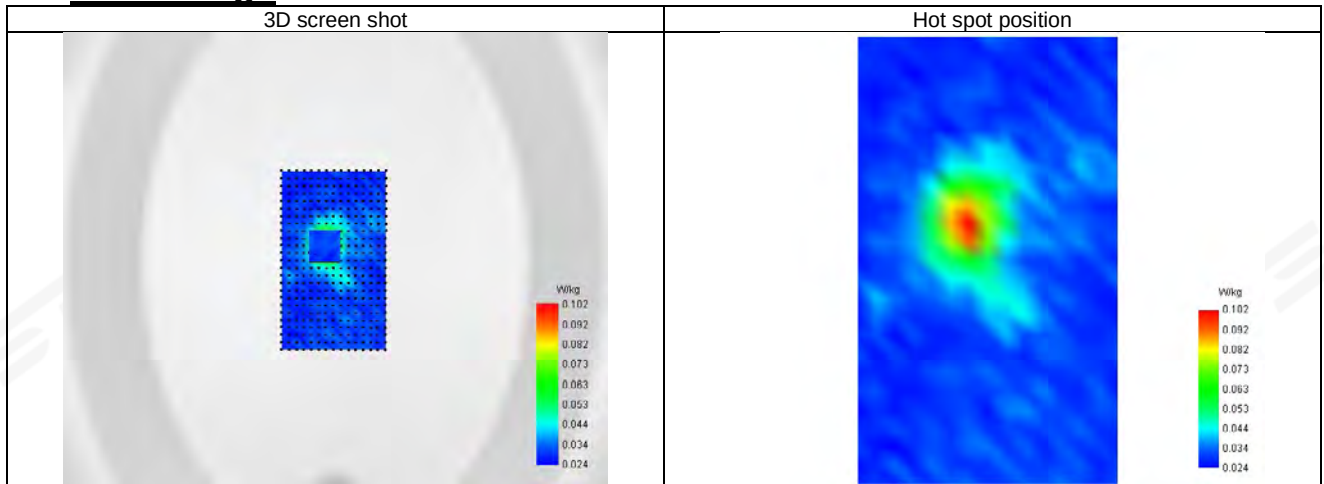
SAR 10g (W/Kg)	0.064
SAR 1g (W/Kg)	0.101
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	68.367347

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.159	0.101	0.069	0.050	0.051	0.042	0.035



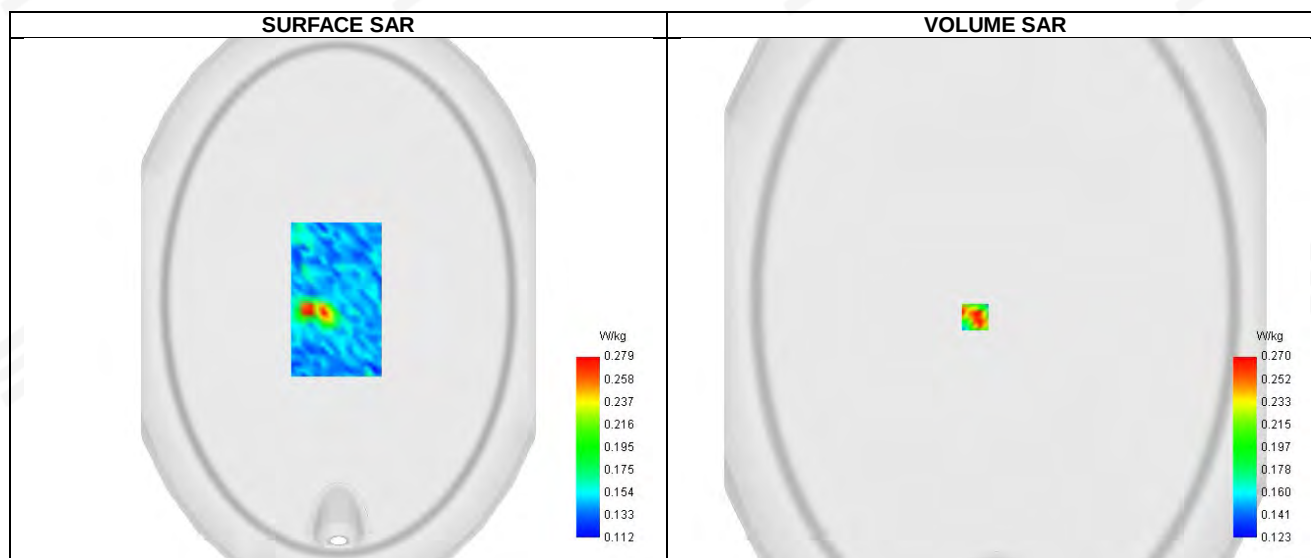
F. 3D Image





Plot 5: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-02-14
ConvF	1.37
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.2G WLAN_ANT_1
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	5200
Relative permittivity (real part)	36.58
Conductivity (S/m)	4.68

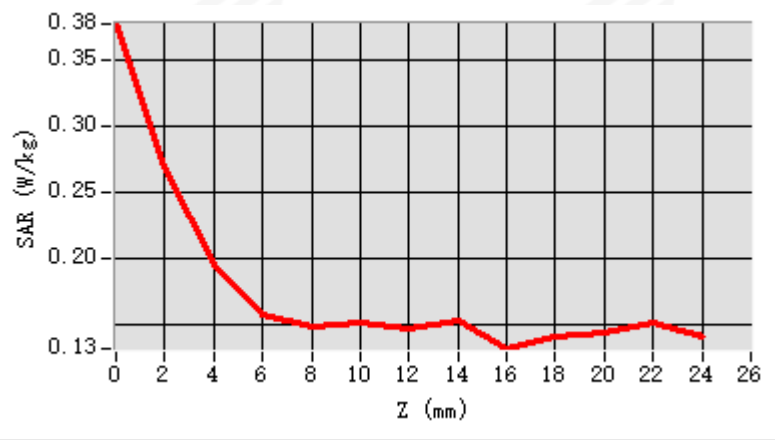


D. SAR 1g & 10g

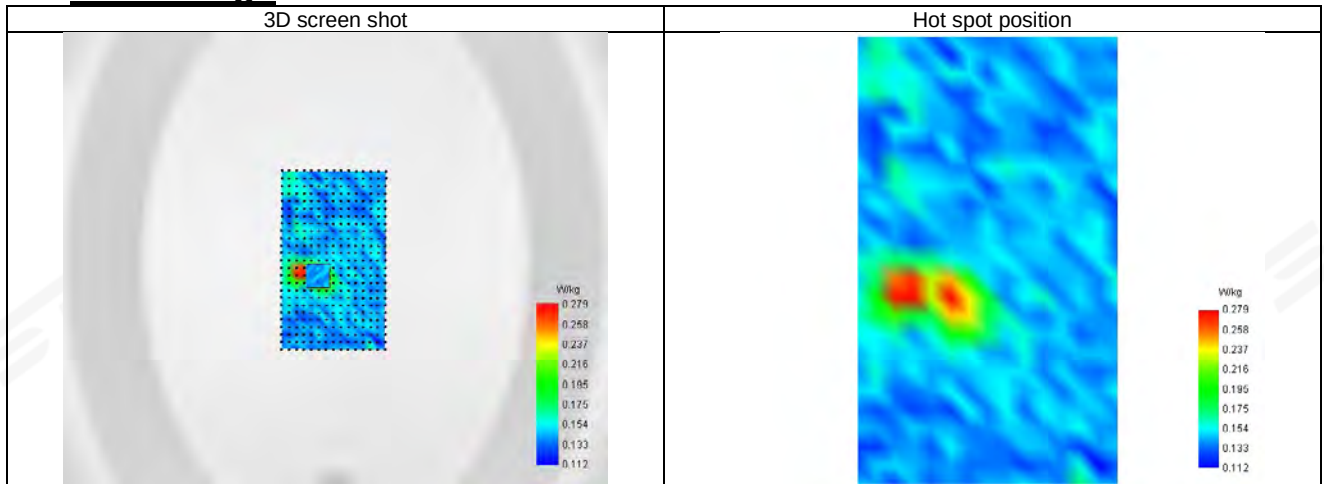
SAR 10g (W/Kg)	0.123
SAR 1g (W/Kg)	0.208
Horizontal validation criteria: minimum distance (mm)	11.210145
Vertical validation criteria: SAR ratio M2/M1 (%)	58.662154

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)	0.378	0.270	0.195	0.158	0.149	0.152	0.147	0.153	0.132	0.141	0.144	0.151



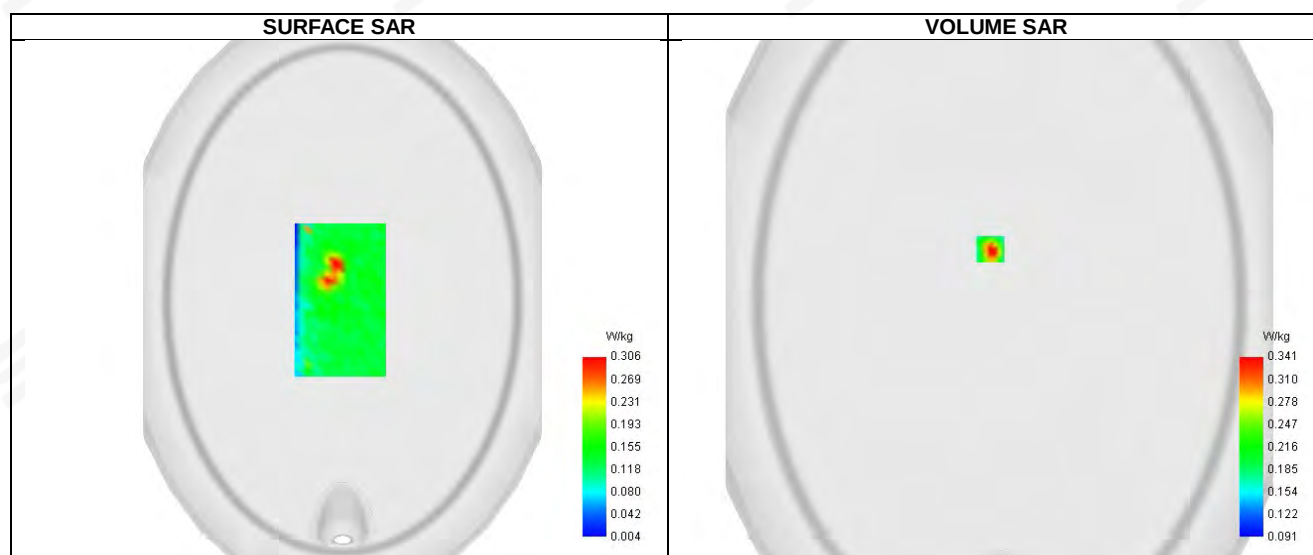
F. 3D Image





Plot 6: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-02-14
ConvF	1.37
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.2G WLAN_ANT_2
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	5200
Relative permittivity (real part)	36.58
Conductivity (S/m)	4.68



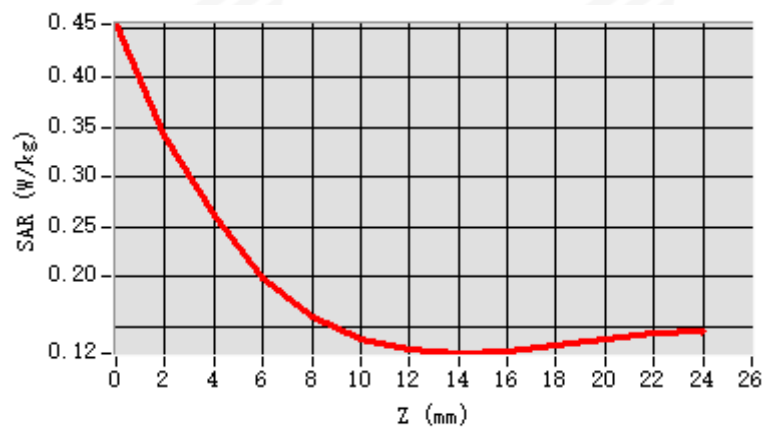
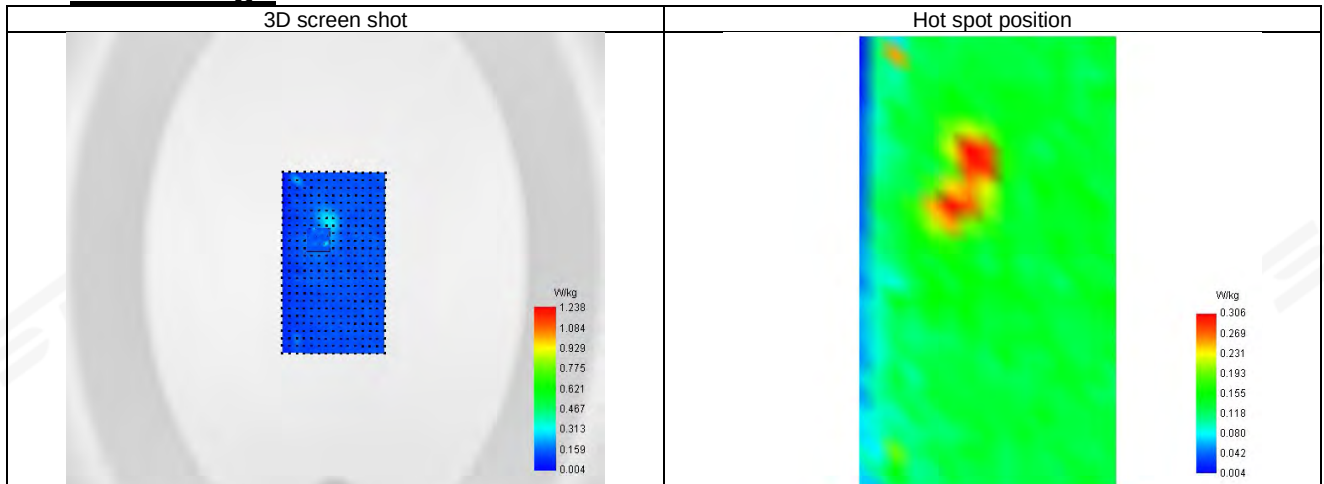
Maximum location: X=-8.00, Y=46.00 ; SAR Peak: 0.55 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.128
SAR 1g (W/Kg)	0.253
Horizontal validation criteria: minimum distance (mm)	12.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	76.869203

**E. Z Axis Scan**

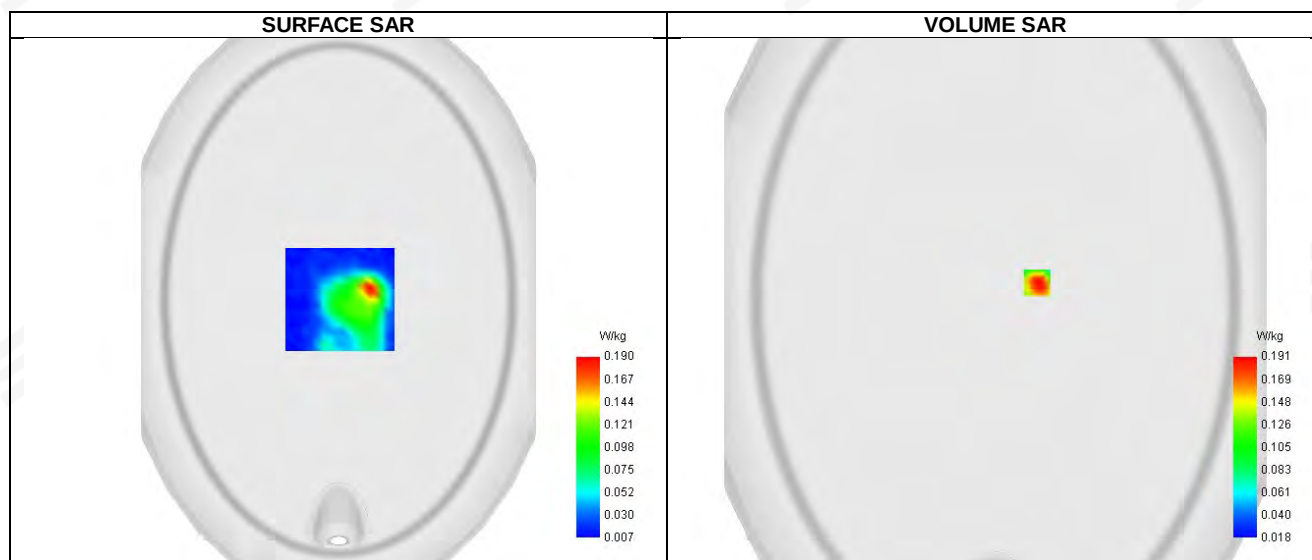
Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.453	0.341	0.262	0.198	0.161	0.138	0.127	0.124	0.126	0.131	0.138	0.144

**F. 3D Image**



Plot 7: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-02-14
ConvF	1.37
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.2G WLAN_MIMO_ANT_1
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	5200
Relative permittivity (real part)	36.58
Conductivity (S/m)	4.68

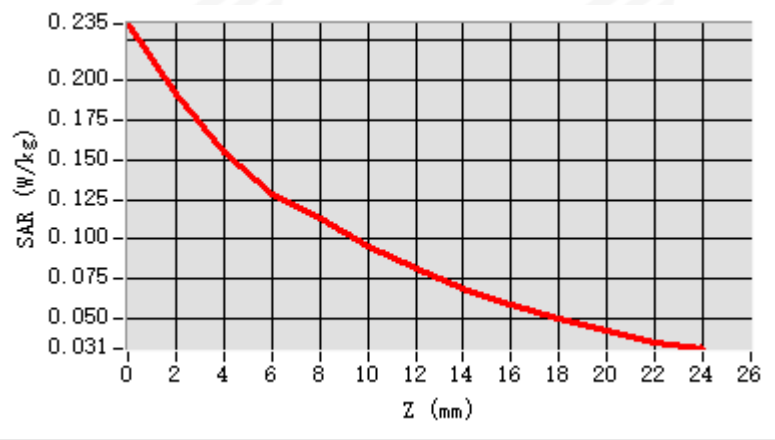


D. SAR 1g & 10g

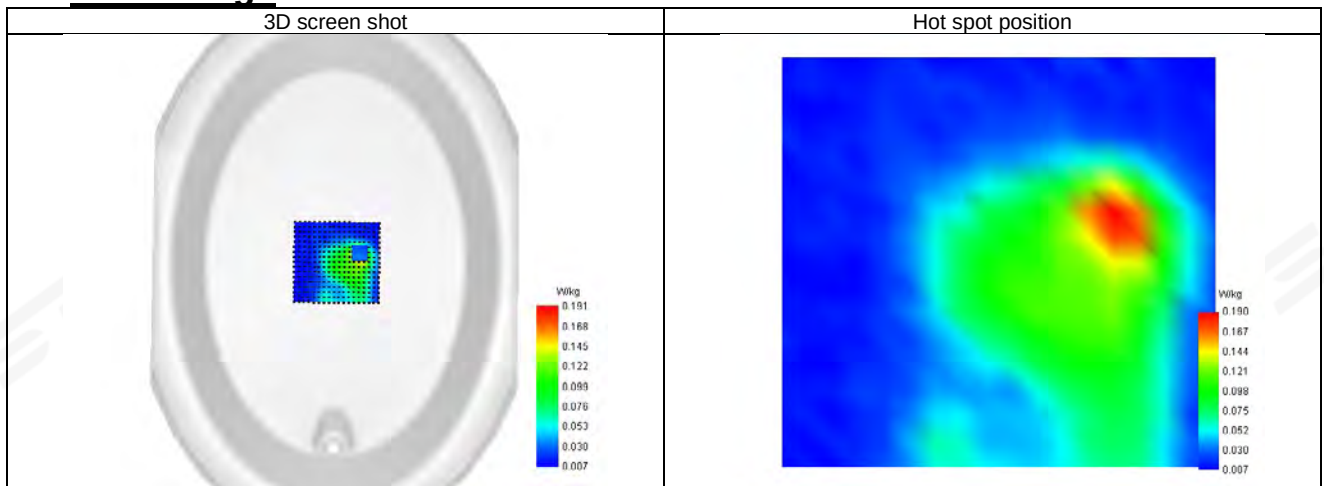
SAR 10g (W/Kg)	0.090
SAR 1g (W/Kg)	0.165
Horizontal validation criteria: minimum distance (mm)	14.422205
Vertical validation criteria: SAR ratio M2/M1 (%)	81.292255

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)	0.235	0.191	0.155	0.128	0.113	0.096	0.081	0.069	0.059	0.050	0.042	0.036



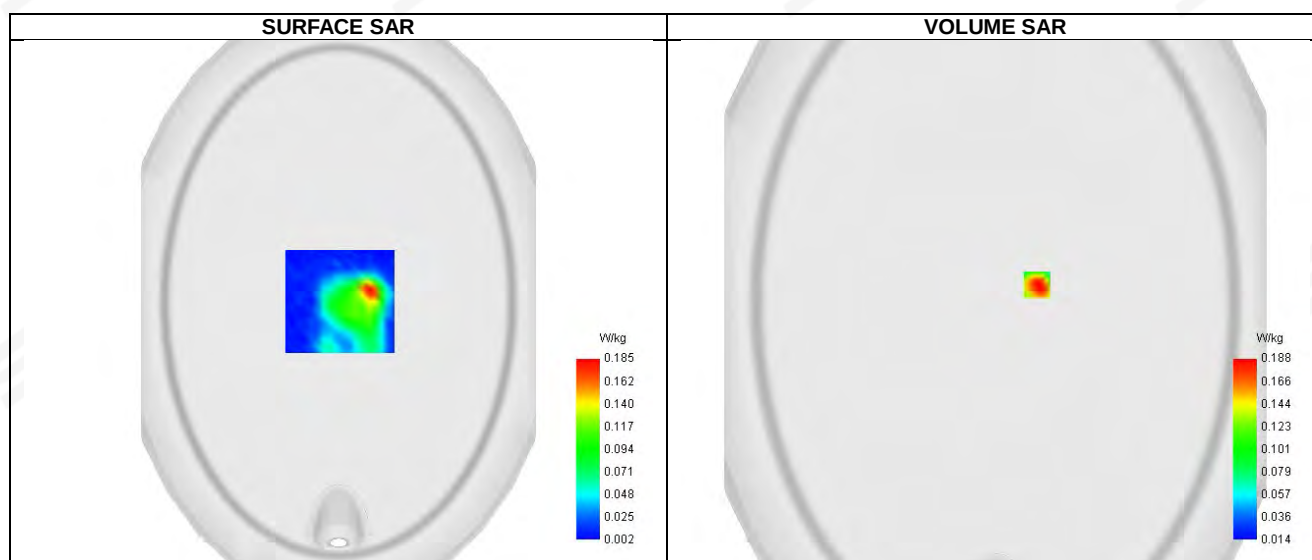
F. 3D Image





Plot 8: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-02-14
ConvF	1.37
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.2G WLAN_MIMO_ANT_2
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	5200
Relative permittivity (real part)	36.58
Conductivity (S/m)	4.68

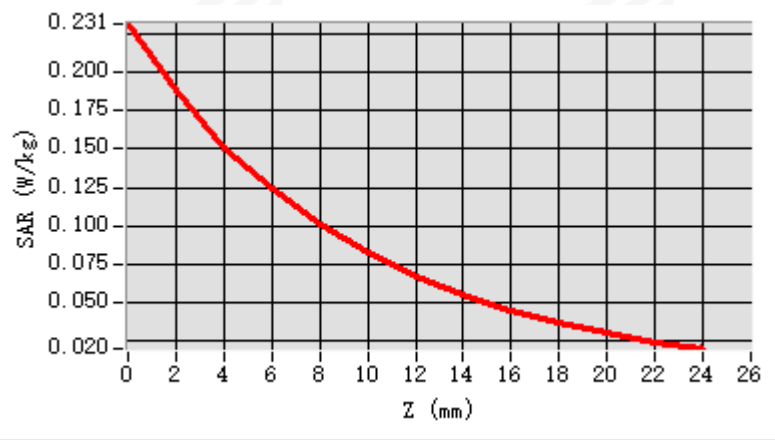


D. SAR 1g & 10g

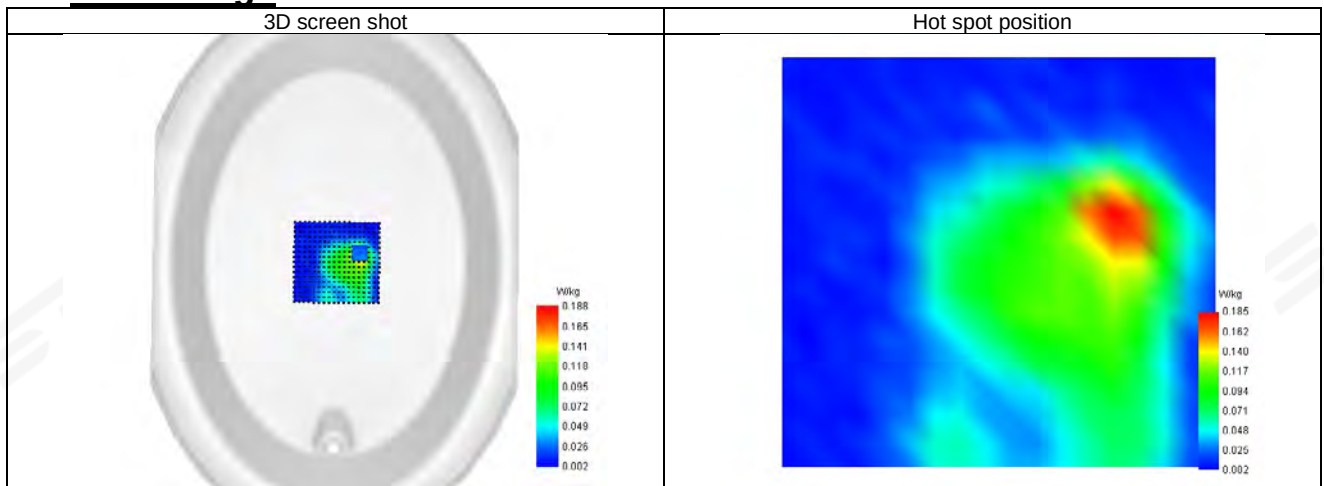
SAR 10g (W/Kg)	0.077
SAR 1g (W/Kg)	0.135
Horizontal validation criteria: minimum distance (mm)	14.422205
Vertical validation criteria: SAR ratio M2/M1 (%)	82.131714

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)	0.231	0.188	0.150	0.124	0.101	0.083	0.068	0.055	0.045	0.037	0.030	0.025



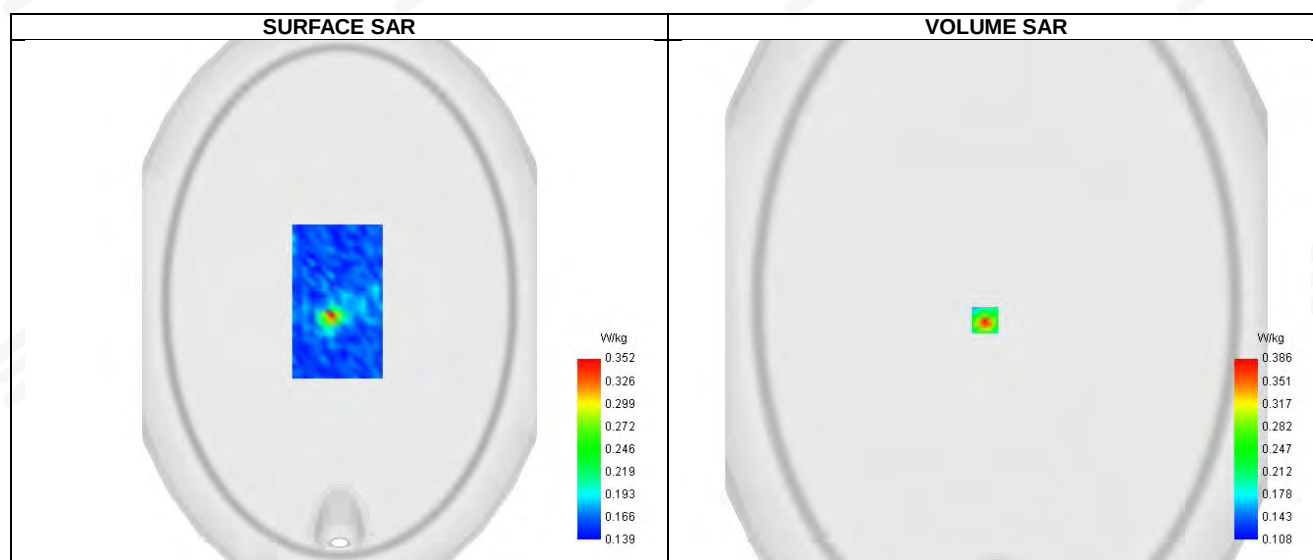
F. 3D Image





Plot 9: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-03-03
ConvF	1.37
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.3G WLAN_ANT_1
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency (MHz)	5260
Relative permittivity (real part)	36.60
Conductivity (S/m)	4.74



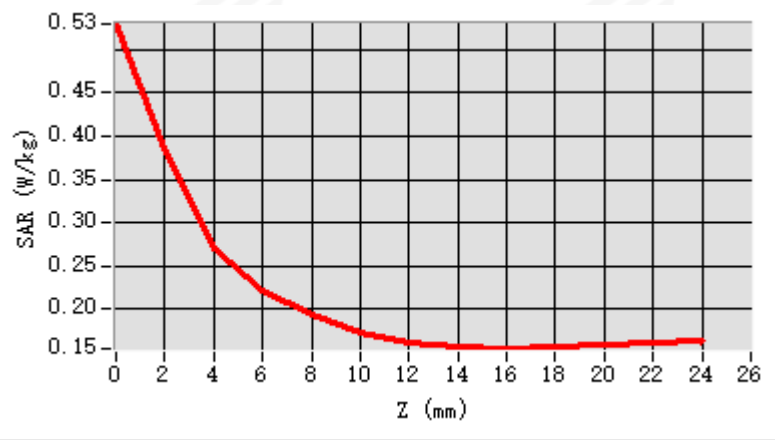
Maximum location: X=-10.00, Y=-17.00 ; SAR Peak: 0.62 W/kg

D. SAR 1g & 10g

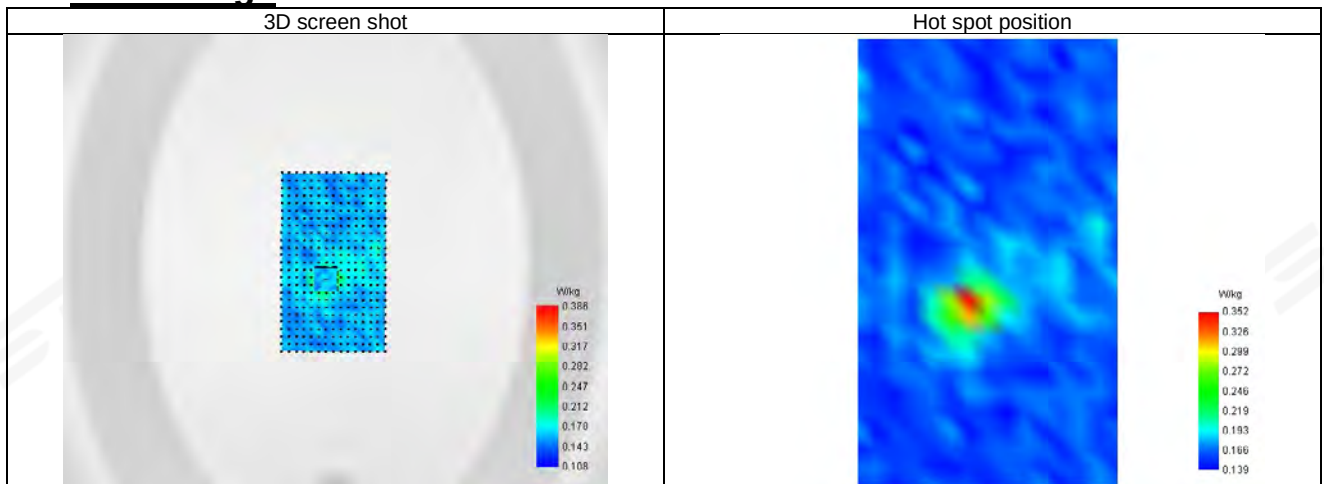
SAR 10g (W/Kg)	0.179
SAR 1g (W/Kg)	0.286
Horizontal validation criteria: minimum distance (mm)	12.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	71.256559

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)	0.529	0.386	0.270	0.221	0.194	0.174	0.162	0.156	0.155	0.156	0.159	0.162



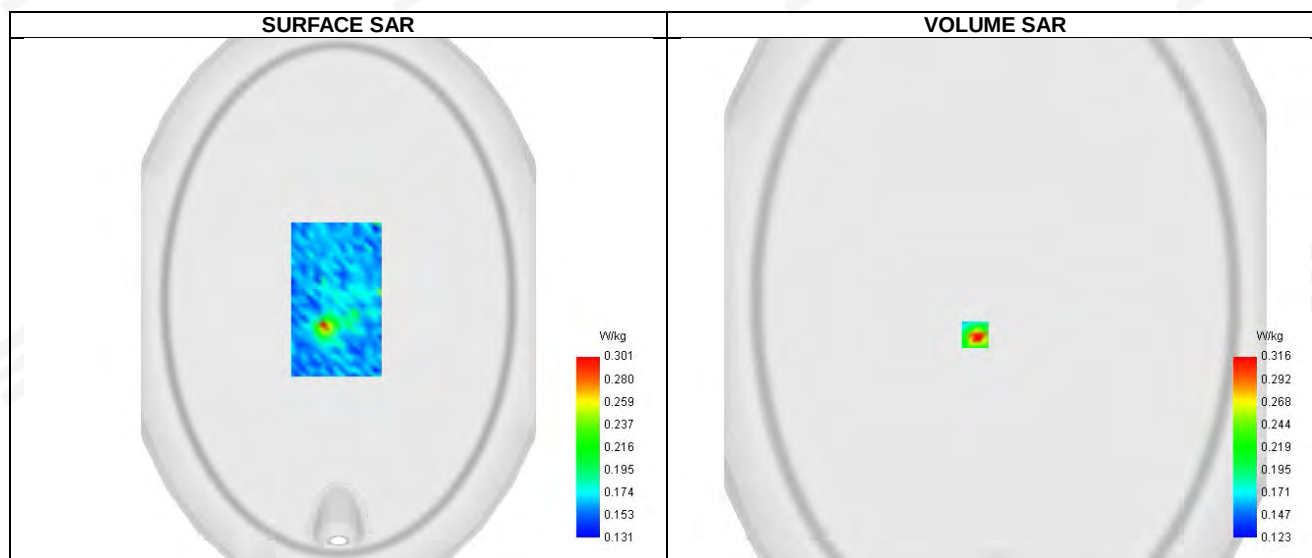
F. 3D Image





Plot 10: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-03-03
ConvF	1.37
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.3G WLAN_ANT_2
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	5320
Relative permittivity (real part)	36.78
Conductivity (S/m)	4.76



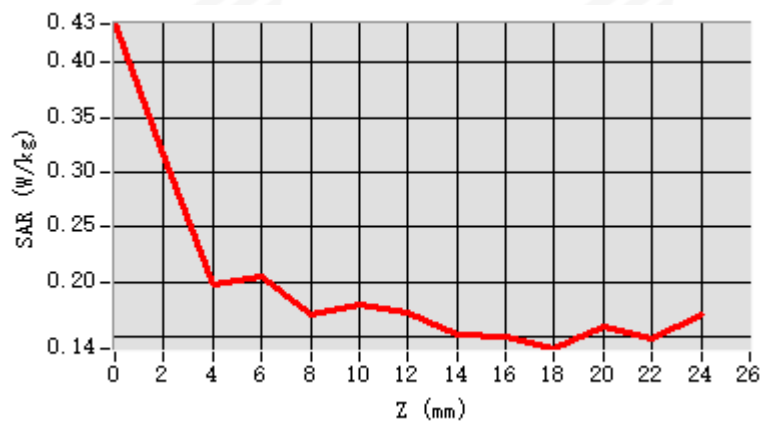
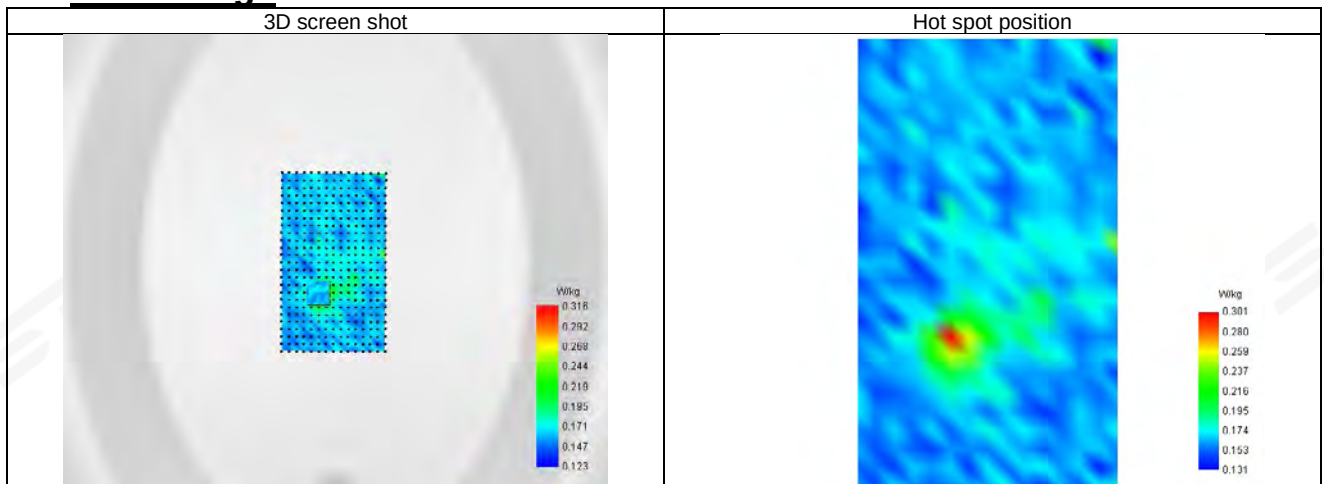
Maximum location: X=-18.00, Y=-32.00 ; SAR Peak: 0.54 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.144
SAR 1g (W/Kg)	0.251
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	78.296824

**E. Z Axis Scan**

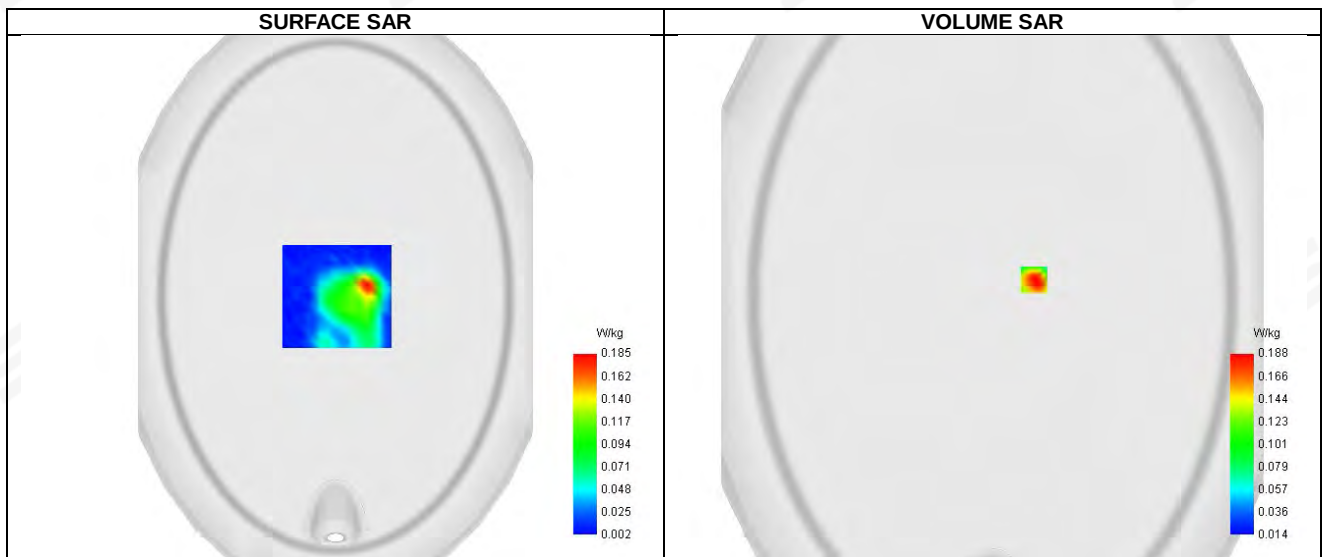
Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.435	0.316	0.198	0.205	0.171	0.180	0.172	0.152	0.151	0.139	0.160	0.148

**F. 3D Image**



Plot 11: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-03-03
ConvF	1.37
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.3G WLAN_MIMO_ANT_1
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency (MHz)	5260
Relative permittivity (real part)	36.60
Conductivity (S/m)	4.74

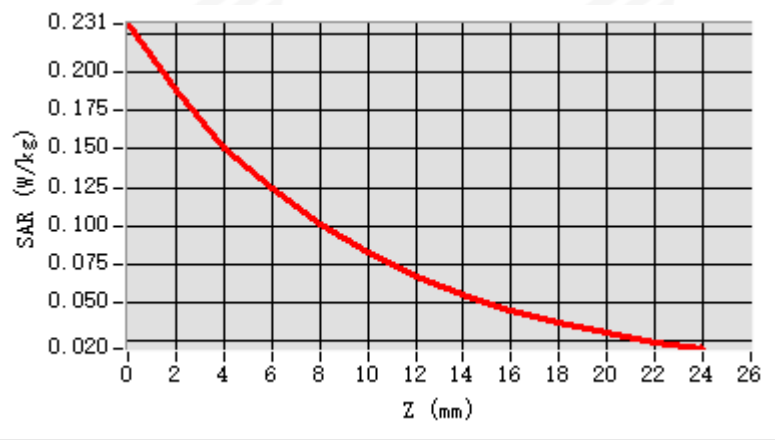


D. SAR 1g & 10g

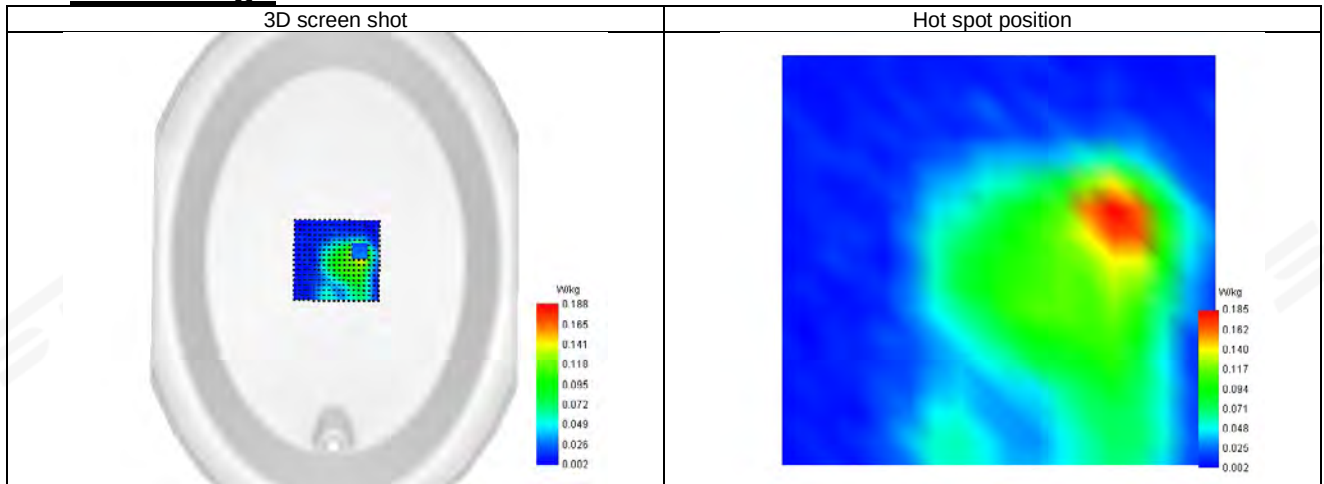
SAR 10g (W/Kg)	0.077
SAR 1g (W/Kg)	0.147
Horizontal validation criteria: minimum distance (mm)	14.422205
Vertical validation criteria: SAR ratio M2/M1 (%)	82.131714

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)	0.231	0.188	0.150	0.124	0.101	0.083	0.068	0.055	0.045	0.037	0.030	0.025



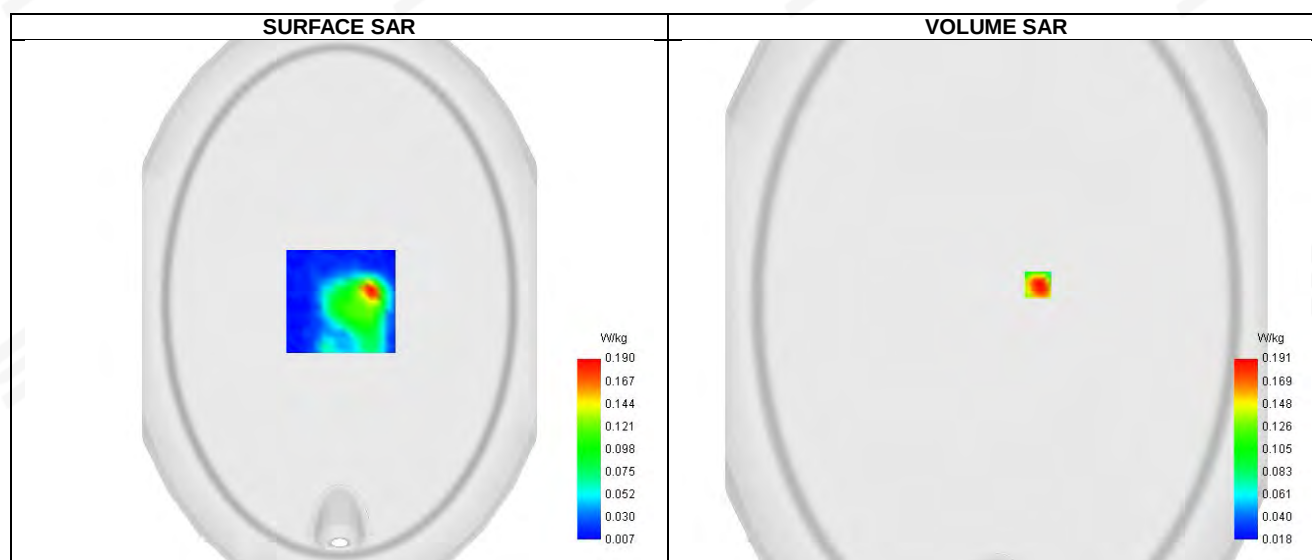
F. 3D Image





Plot 12: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-03-03
ConvF	1.37
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.3G WLAN_MIMO_ANT_2
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency (MHz)	5260
Relative permittivity (real part)	36.60
Conductivity (S/m)	4.74

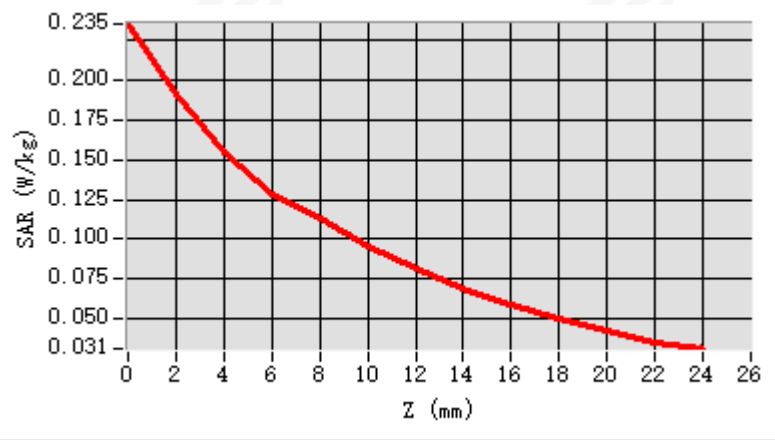


D. SAR 1g & 10g

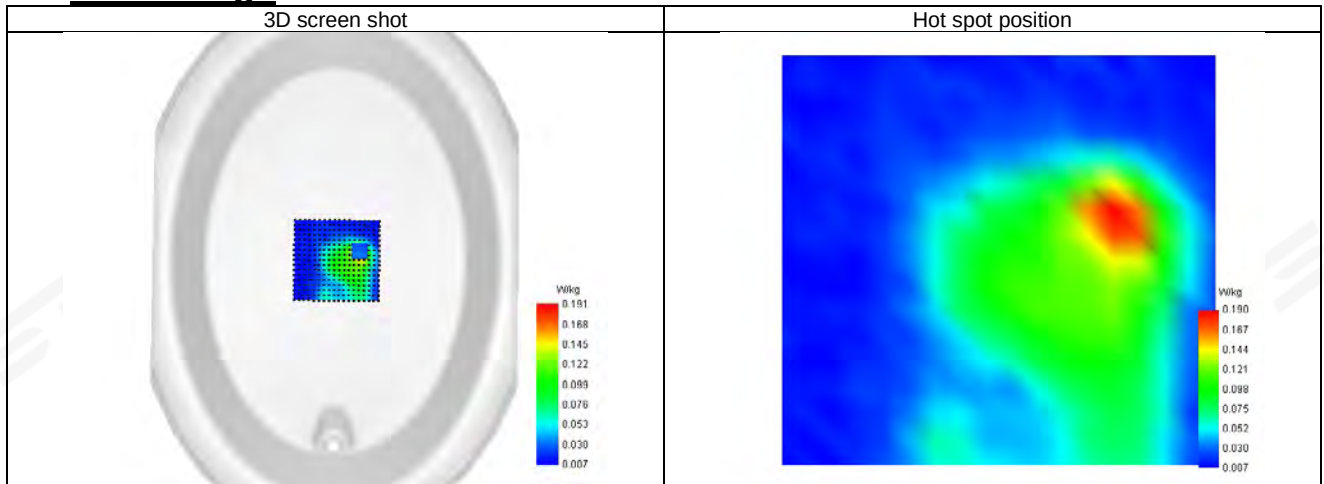
SAR 10g (W/Kg)	0.090
SAR 1g (W/Kg)	0.135
Horizontal validation criteria: minimum distance (mm)	14.422205
Vertical validation criteria: SAR ratio M2/M1 (%)	71.292255

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)	0.235	0.191	0.155	0.128	0.113	0.096	0.081	0.069	0.059	0.050	0.042	0.036



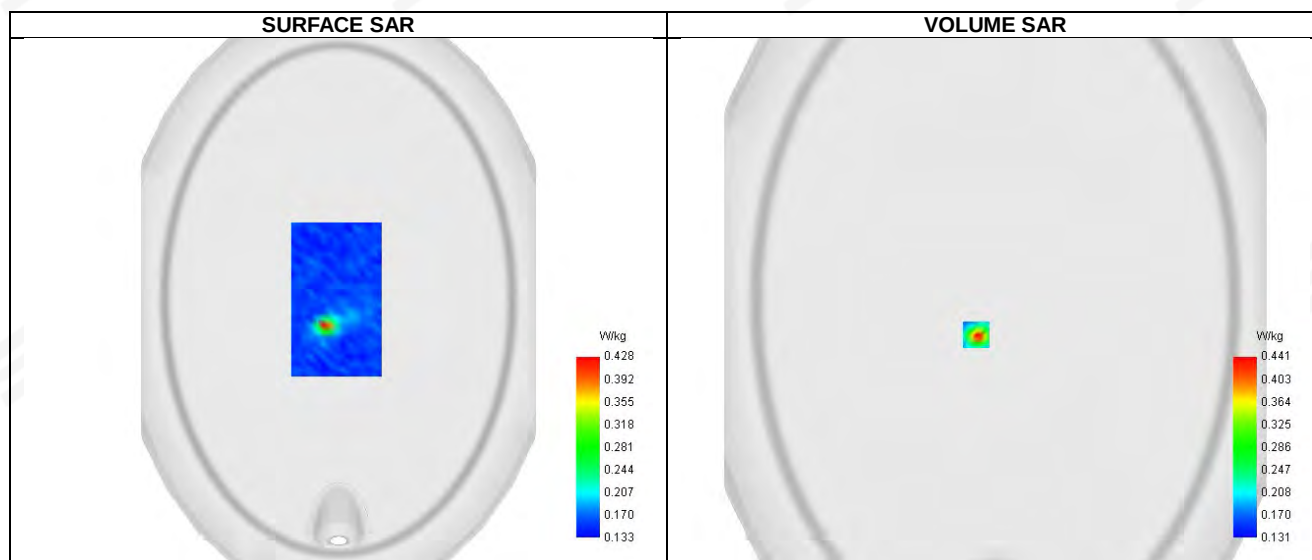
F. 3D Image





Plot 13: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-03-03
ConvF	1.21
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.6G WLAN_ANT_1
Signal	802.11a (Crest factor: 1.0)
Frequency (MHz)	5500
Relative permittivity (real part)	36.32
Conductivity (S/m)	4.92



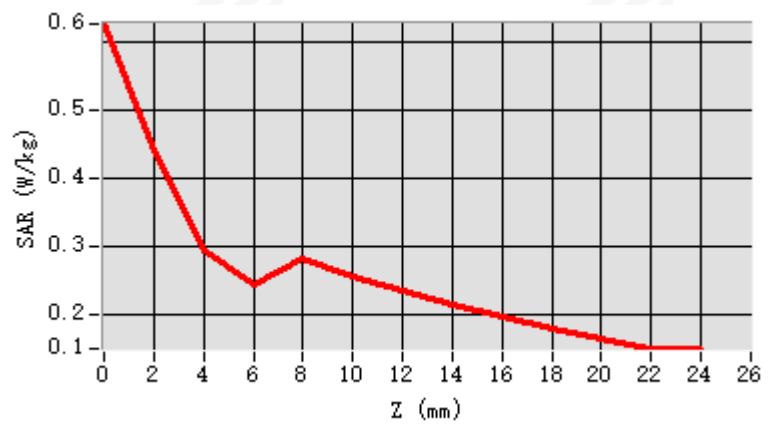
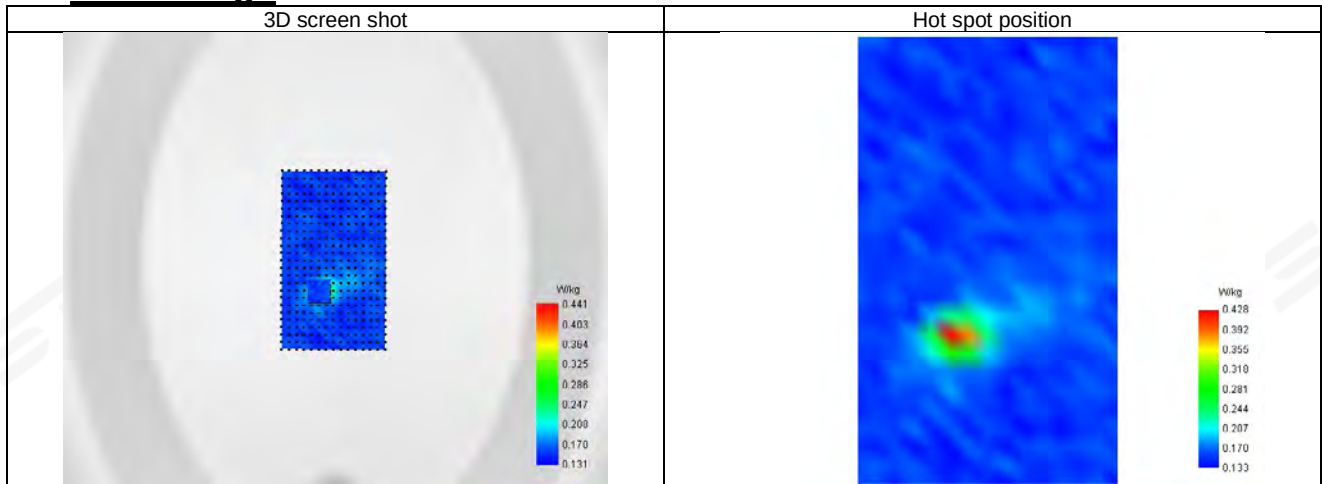
Maximum location: X=-17.00, Y=-32.00 ; SAR Peak: 0.83 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.204
SAR 1g (W/Kg)	0.357
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	68.613366

**E. Z Axis Scan**

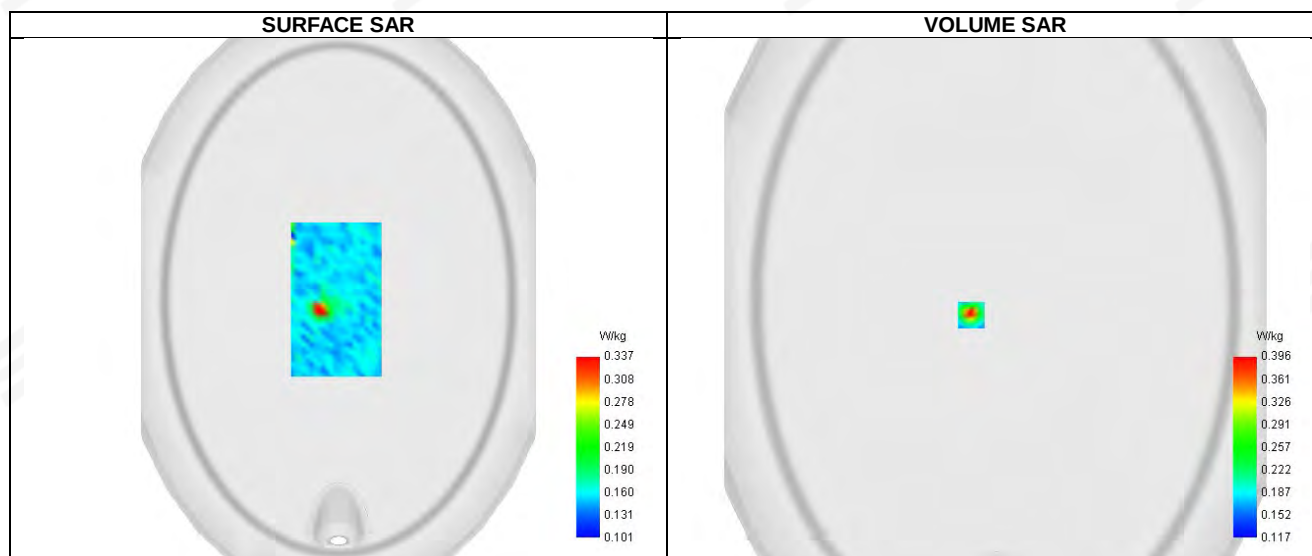
Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.625	0.441	0.294	0.243	0.280	0.256	0.234	0.214	0.195	0.178	0.163	0.149

**F. 3D Image**



Plot 14: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-03-03
ConvF	1.21
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.6G WLAN_ANT_2
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency (MHz)	5500
Relative permittivity (real part)	36.32
Conductivity (S/m)	4.92

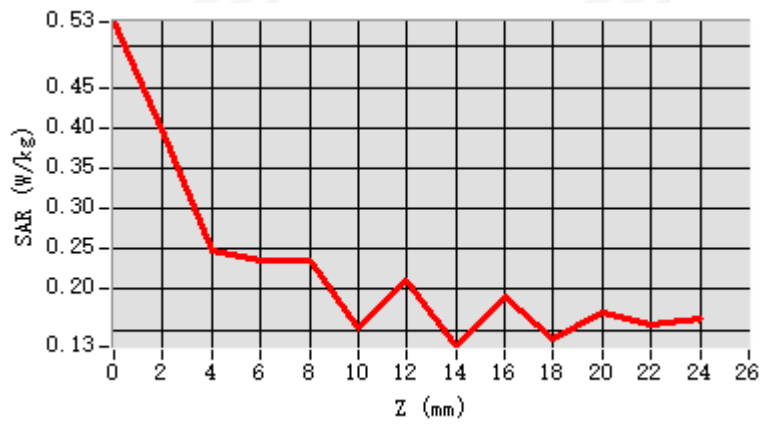
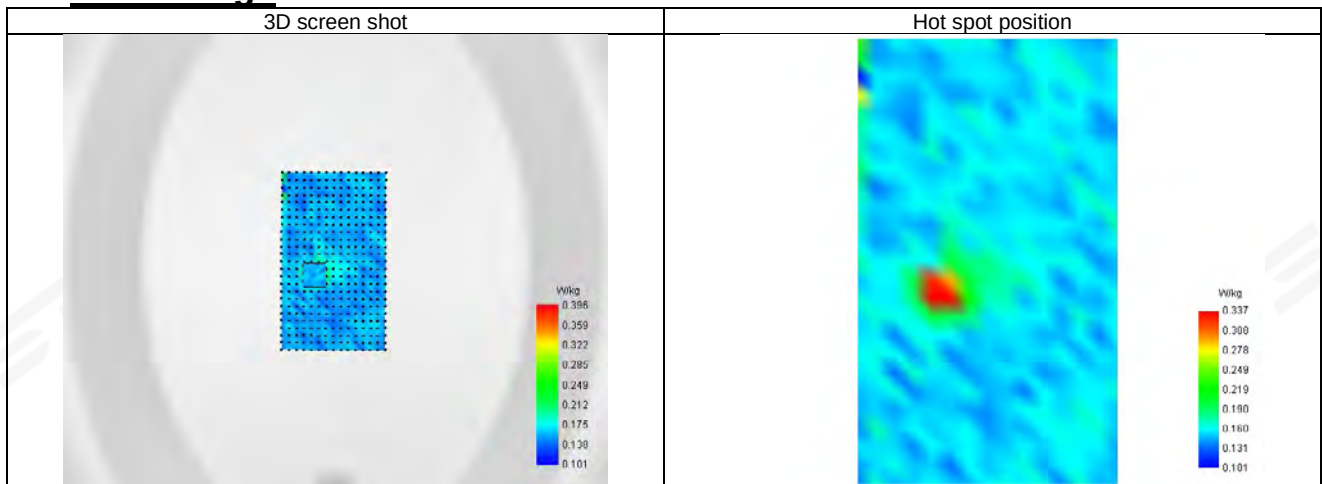


D. SAR 1g & 10g

SAR 10g (W/Kg)	0.169
SAR 1g (W/Kg)	0.283
Horizontal validation criteria: minimum distance (mm)	9.125221
Vertical validation criteria: SAR ratio M2/M1 (%)	75.349460

**E. Z Axis Scan**

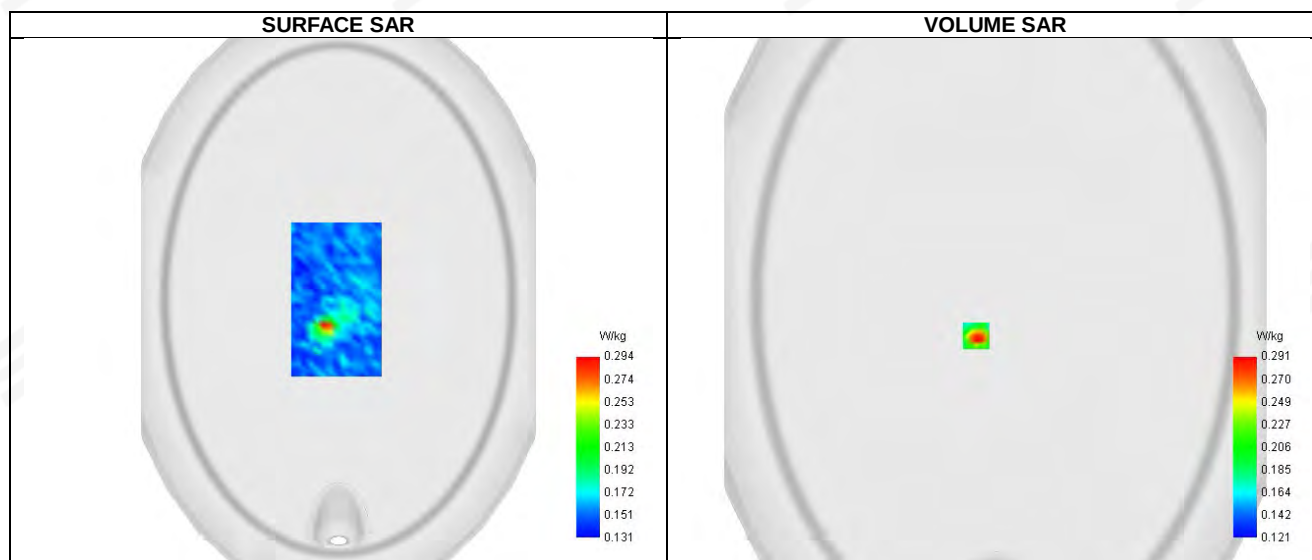
Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.531	0.396	0.248	0.236	0.235	0.153	0.212	0.129	0.191	0.139	0.172	0.157

**F. 3D Image**



Plot 15: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-03-03
ConvF	1.21
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.6G WLAN_MIMO_ANT_1
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency (MHz)	5500
Relative permittivity (real part)	36.32
Conductivity (S/m)	4.92



D. SAR 1g & 10g

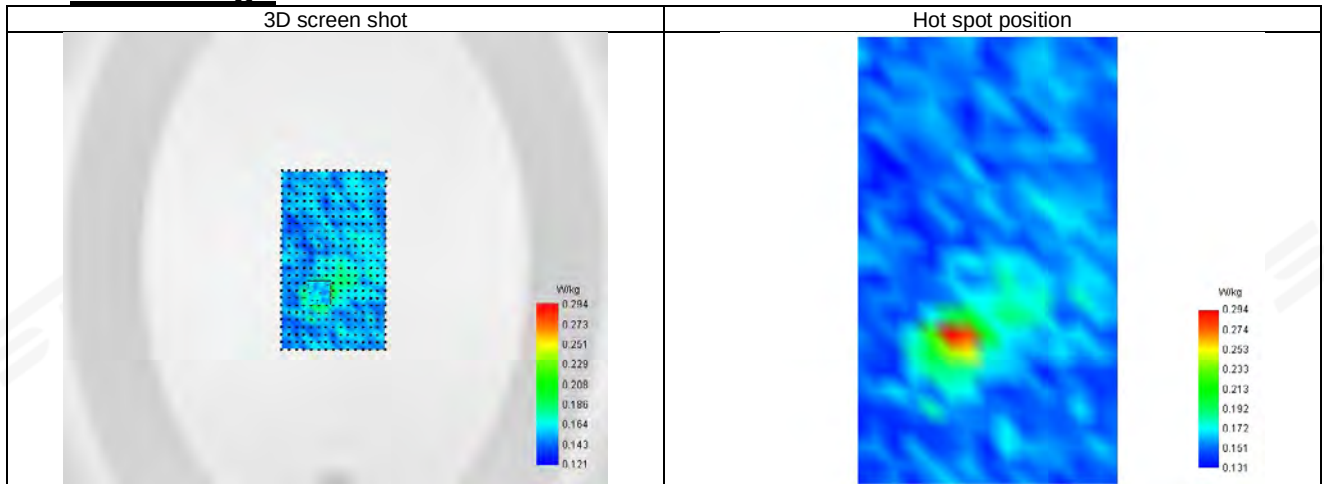
SAR 10g (W/Kg)	0.134
SAR 1g (W/Kg)	0.230
Horizontal validation criteria: minimum distance (mm)	11.210145
Vertical validation criteria: SAR ratio M2/M1 (%)	65.221047

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)	0.380	0.291	0.205	0.181	0.175	0.164	0.158	0.136	0.148	0.141	0.147	0.155



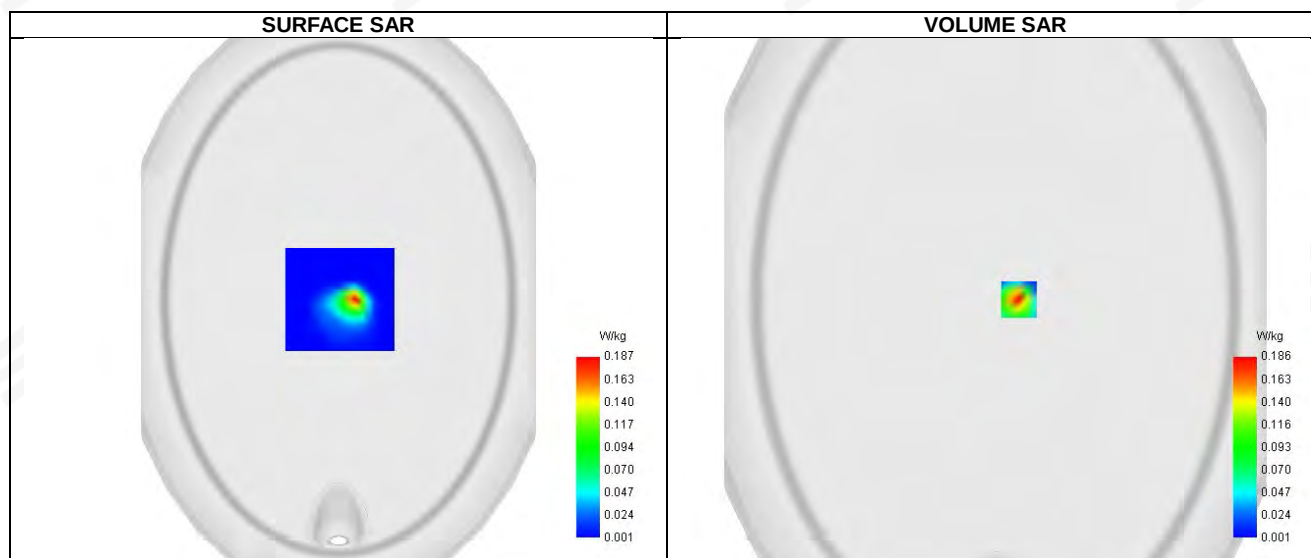
F. 3D Image





Plot 16: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-03-03
ConvF	1.21
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.6G WLAN_MIMO_ANT_2
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency (MHz)	5500
Relative permittivity (real part)	36.32
Conductivity (S/m)	4.92

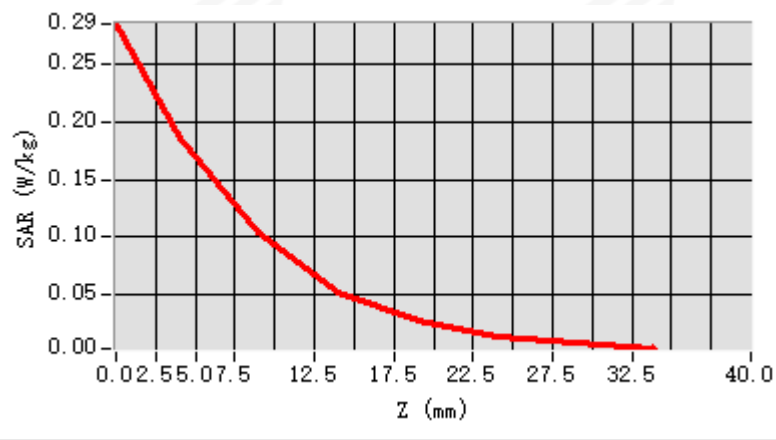


D. SAR 1g & 10g

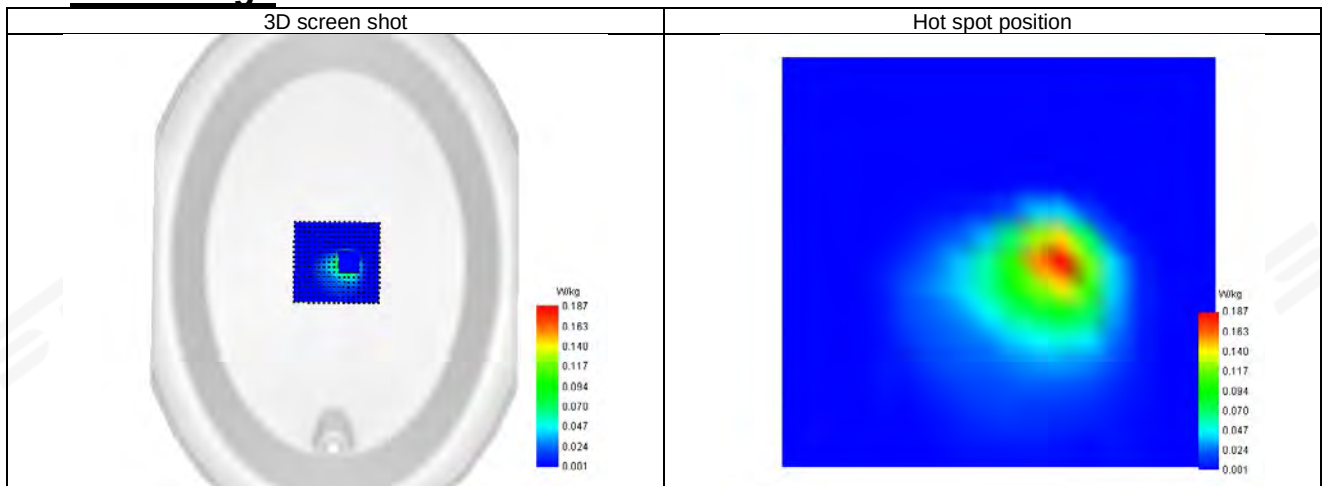
SAR 10g (W/Kg)	0.080
SAR 1g (W/Kg)	0.169
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	55.717270

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.285	0.186	0.104	0.052	0.027	0.014	0.007



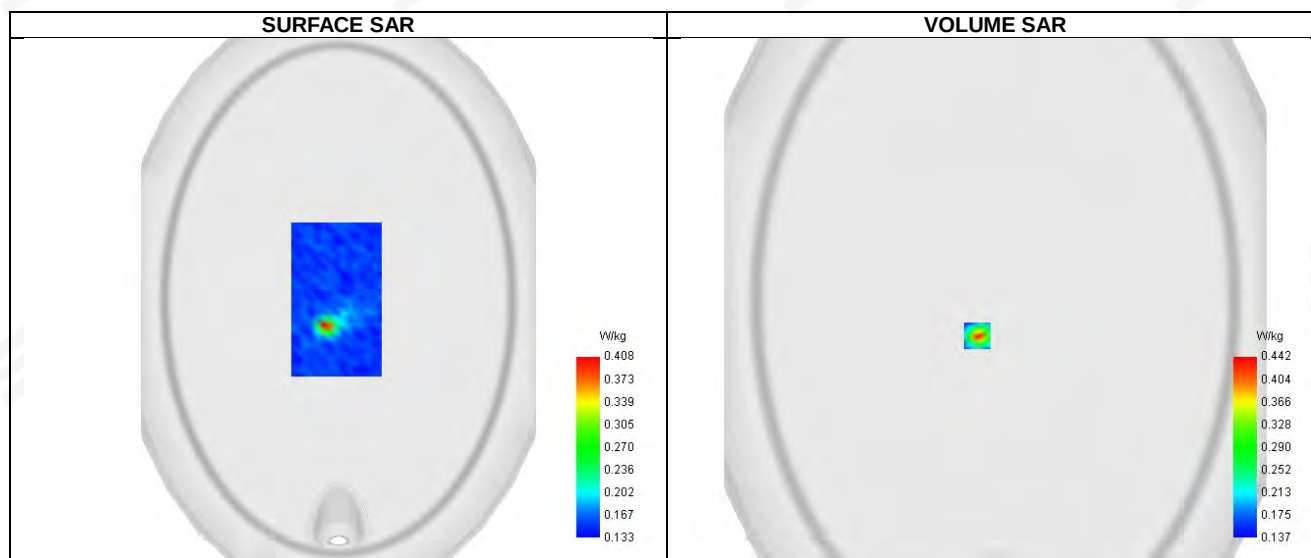
F. 3D Image





Plot 17: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-03-04
ConvF	1.32
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.8G WLAN_ANT_1
Signal	802.11a (Crest factor: 1.0)
Frequency (MHz)	5825
Relative permittivity (real part)	35.62
Conductivity (S/m)	5.32



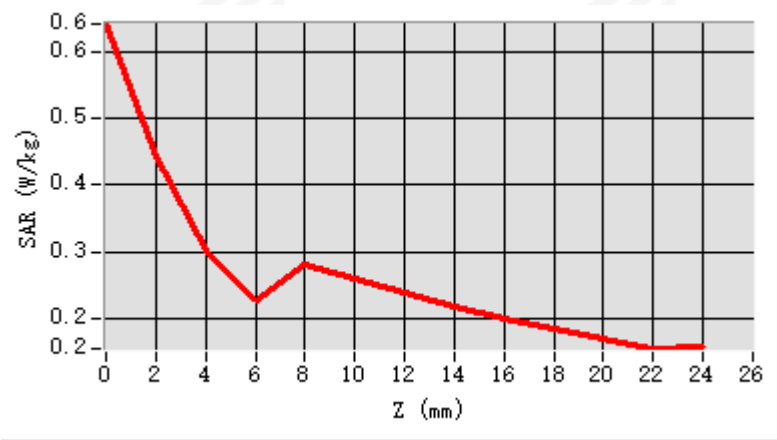
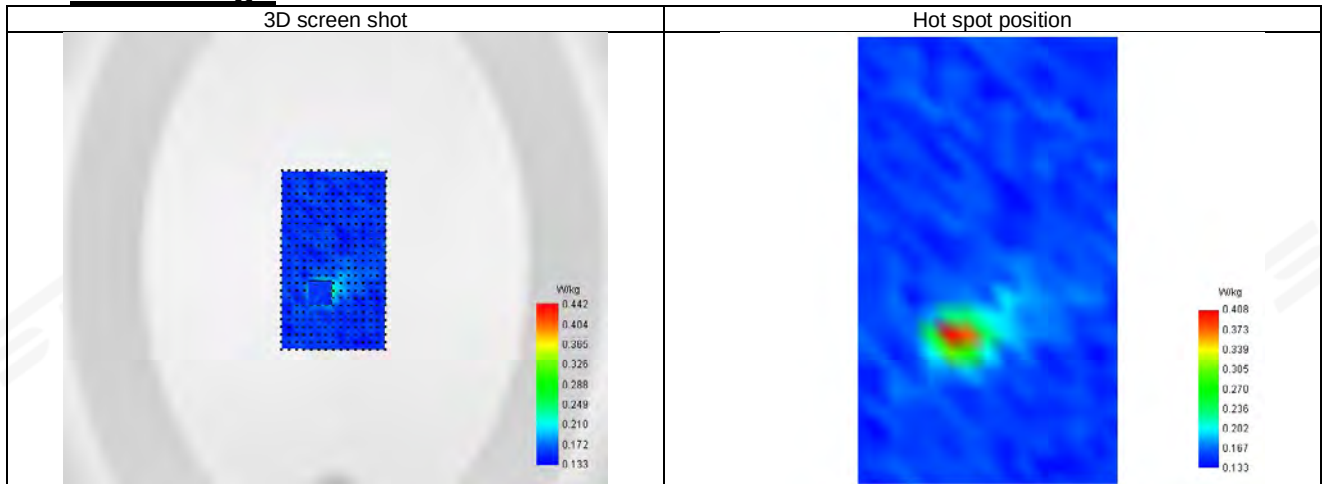
Maximum location: X=-16.00, Y=-33.00 ; SAR Peak: 0.80 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.212
SAR 1g (W/Kg)	0.345
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	68.108046

**E. Z Axis Scan**

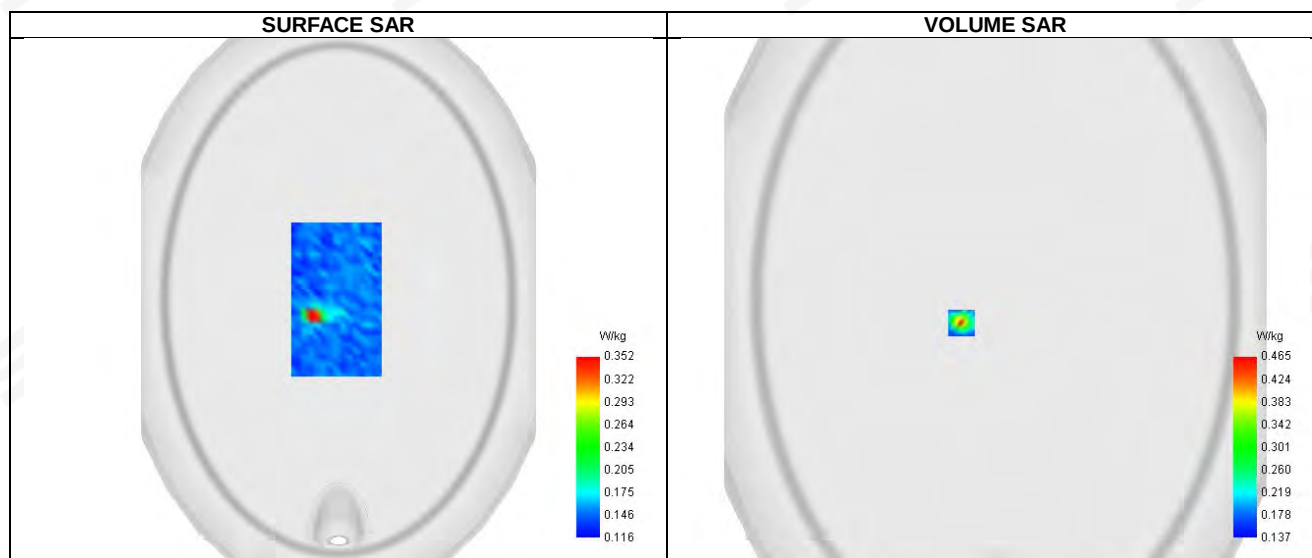
Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.641	0.442	0.301	0.228	0.283	0.260	0.238	0.219	0.201	0.185	0.169	0.156

**F. 3D Image**



Plot 18: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-03-04
ConvF	1.32
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.8G WLAN_ANT_2
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	5745
Relative permittivity (real part)	35.15
Conductivity (S/m)	5.22



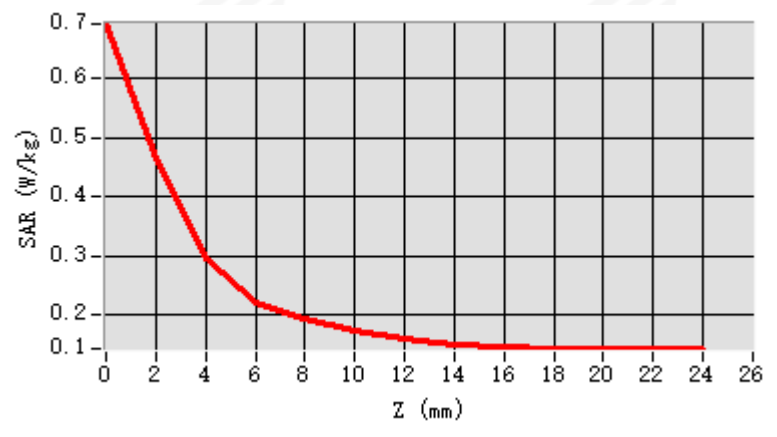
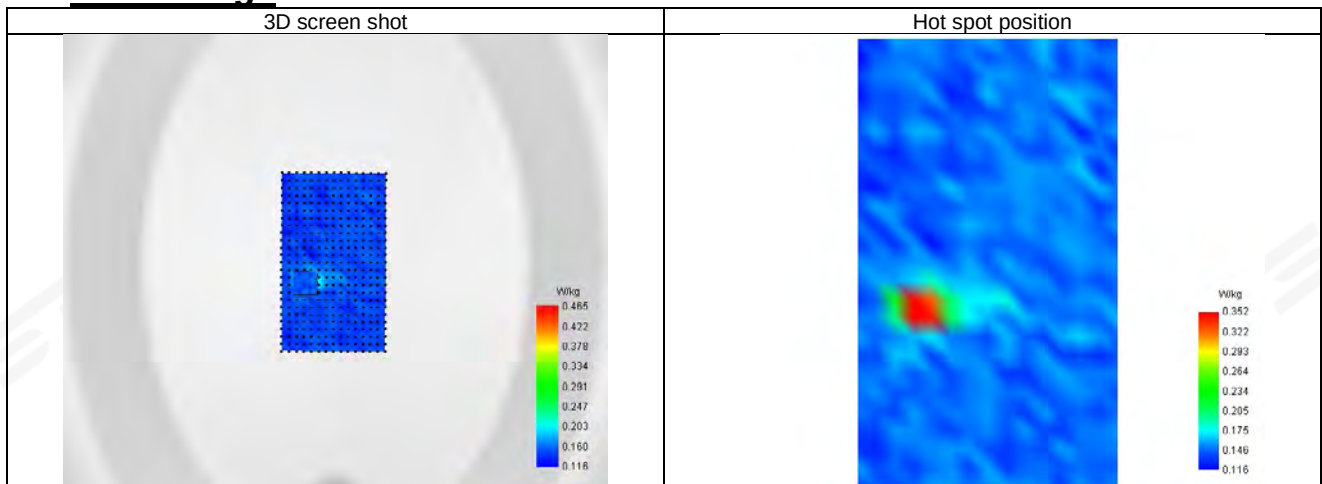
Maximum location: X=-31.00, Y=-21.00 ; SAR Peak: 0.79 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.191
SAR 1g (W/Kg)	0.321
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	63.821540

**E. Z Axis Scan**

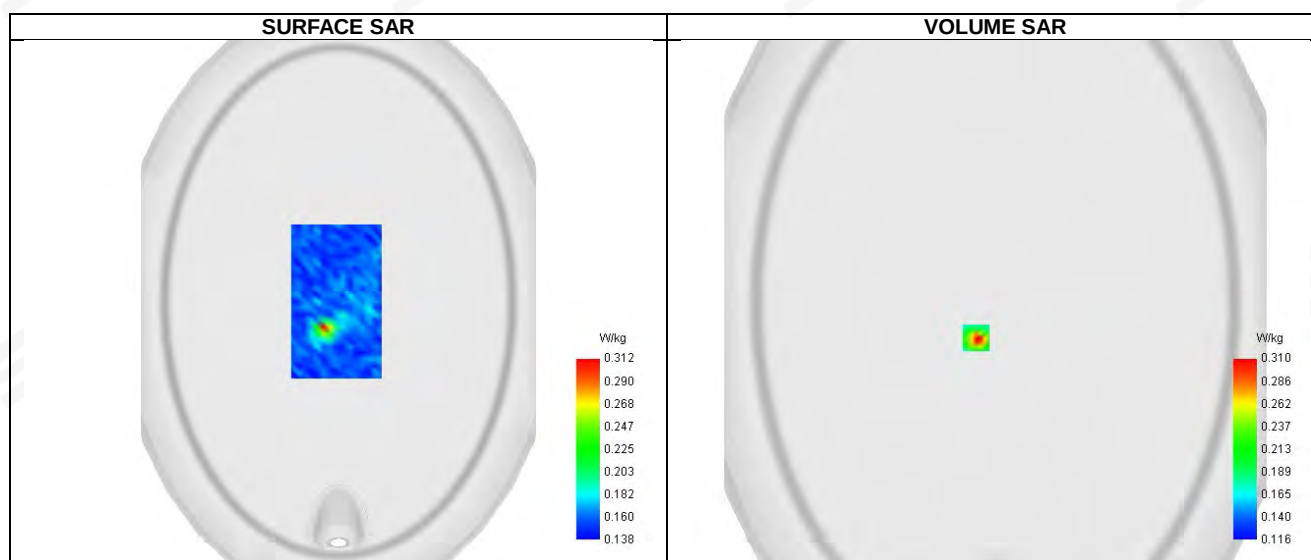
Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.692	0.465	0.294	0.220	0.192	0.172	0.158	0.150	0.145	0.143	0.143	0.143

**F. 3D Image**



Plot 19: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-03-04
ConvF	1.32
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.8G WLAN_MIMO_ANT_1
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	5745
Relative permittivity (real part)	35.15
Conductivity (S/m)	5.22



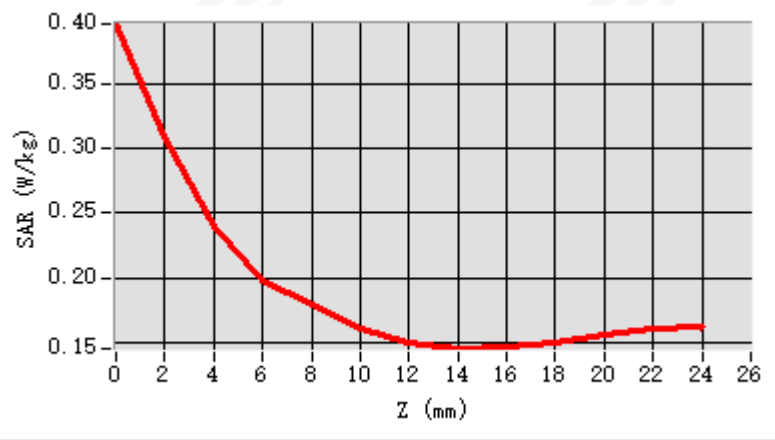
Maximum location: X=-17.00, Y=-33.00 ; SAR Peak: 0.47 W/kg

D. SAR 1g & 10g

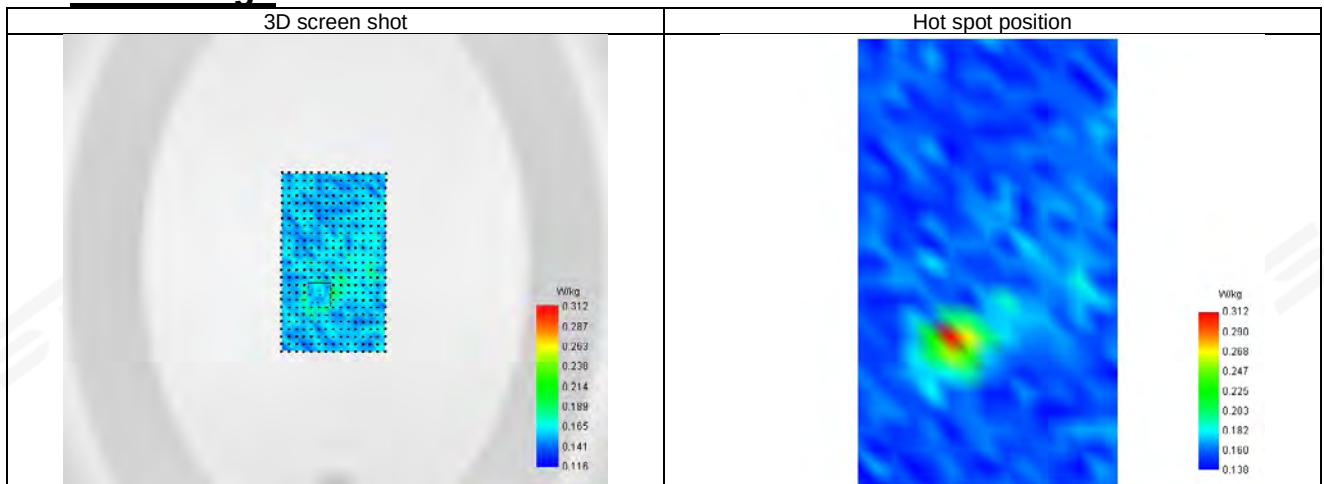
SAR 10g (W/Kg)	0.155
SAR 1g (W/Kg)	0.246
Horizontal validation criteria: minimum distance (mm)	11.141147
Vertical validation criteria: SAR ratio M2/M1 (%)	52.410447

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)	0.397	0.310	0.240	0.198	0.180	0.161	0.149	0.145	0.146	0.150	0.155	0.160



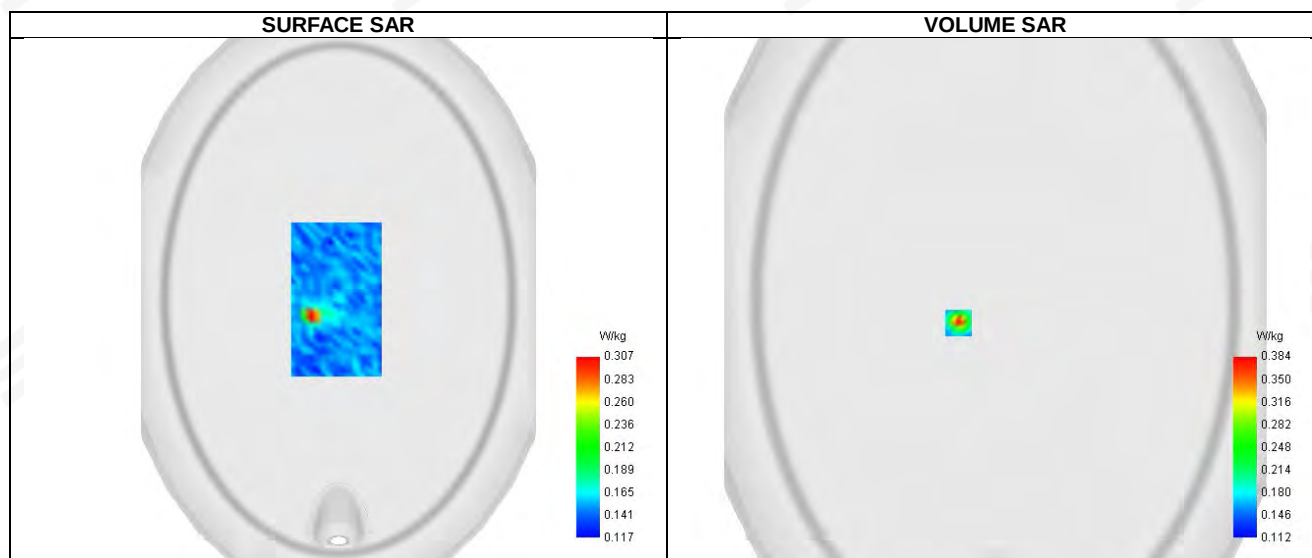
F. 3D Image





Plot 20: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-03-04
ConvF	1.32
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.8G WLAN_MIMO_ANT_2
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	5745
Relative permittivity (real part)	35.15
Conductivity (S/m)	5.22



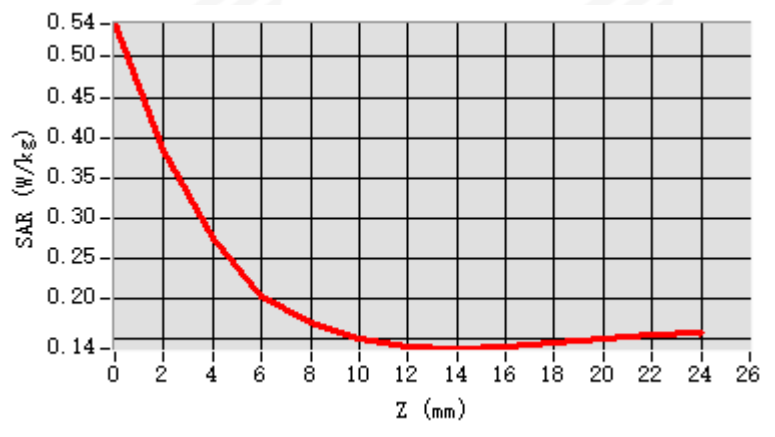
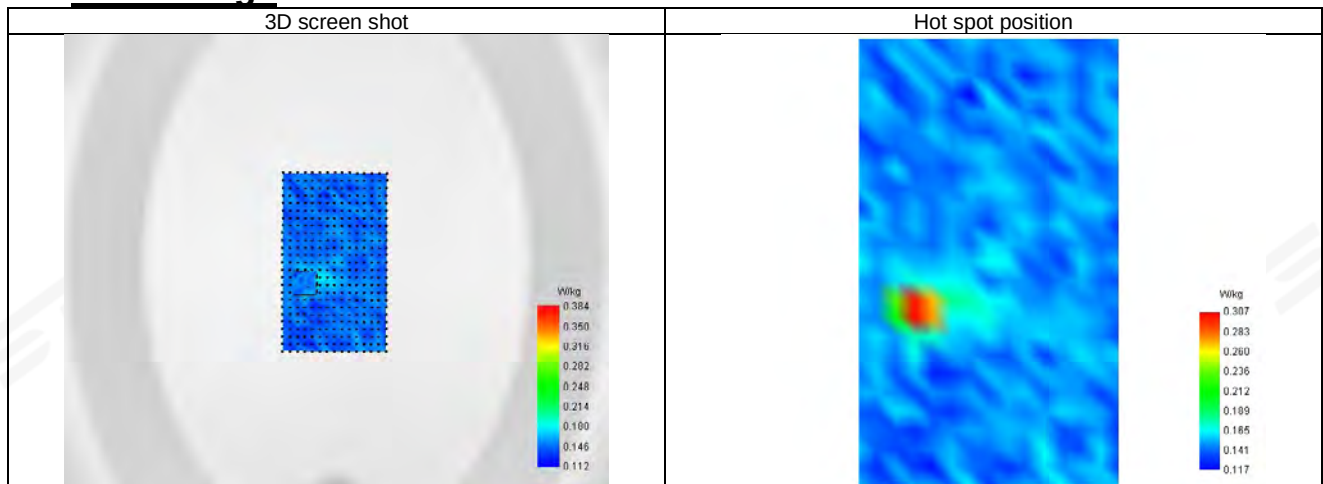
Maximum location: X=-33.00, Y=-21.00 ; SAR Peak: 0.57 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.154
SAR 1g (W/Kg)	0.268
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	71.465568

**E. Z Axis Scan**

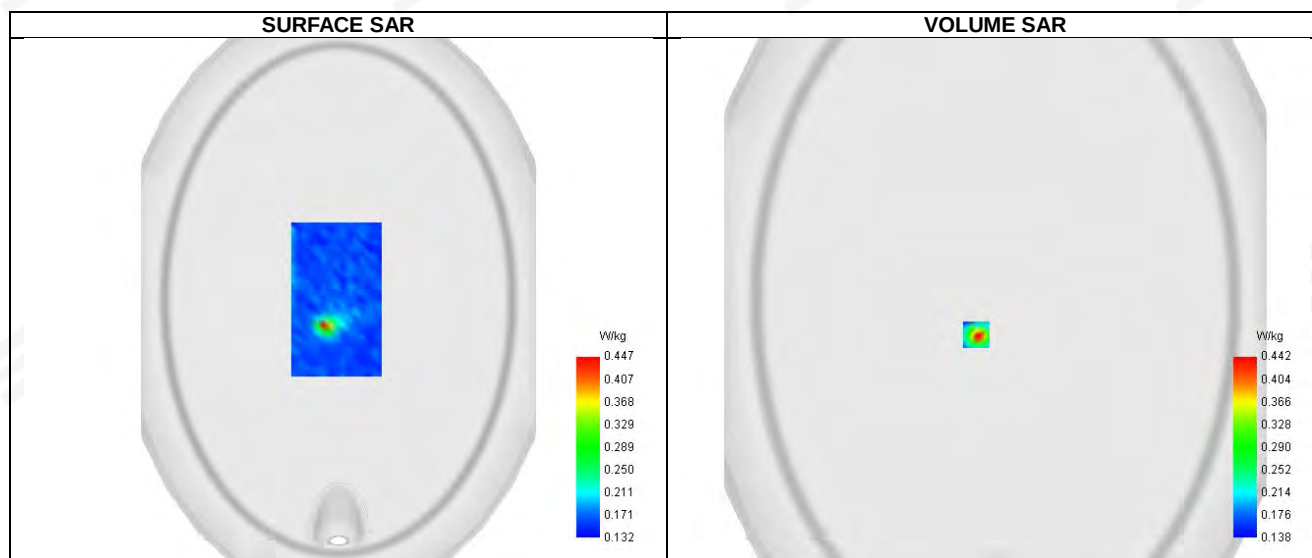
Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.541	0.384	0.274	0.203	0.170	0.151	0.141	0.138	0.140	0.145	0.150	0.155

**F. 3D Image**



Plot 21: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-03-04
ConvF	1.32
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.9G WLAN_ANT_1
Signal	802.11a (Crest factor: 1.0)
Frequency (MHz)	5885
Relative permittivity (real part)	35.62
Conductivity (S/m)	5.39



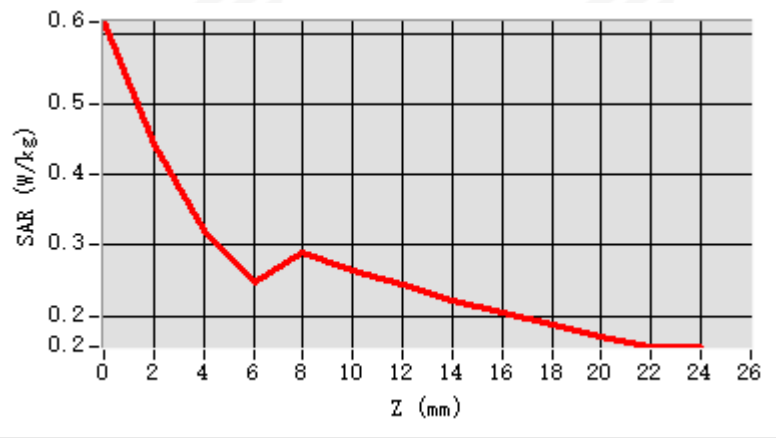
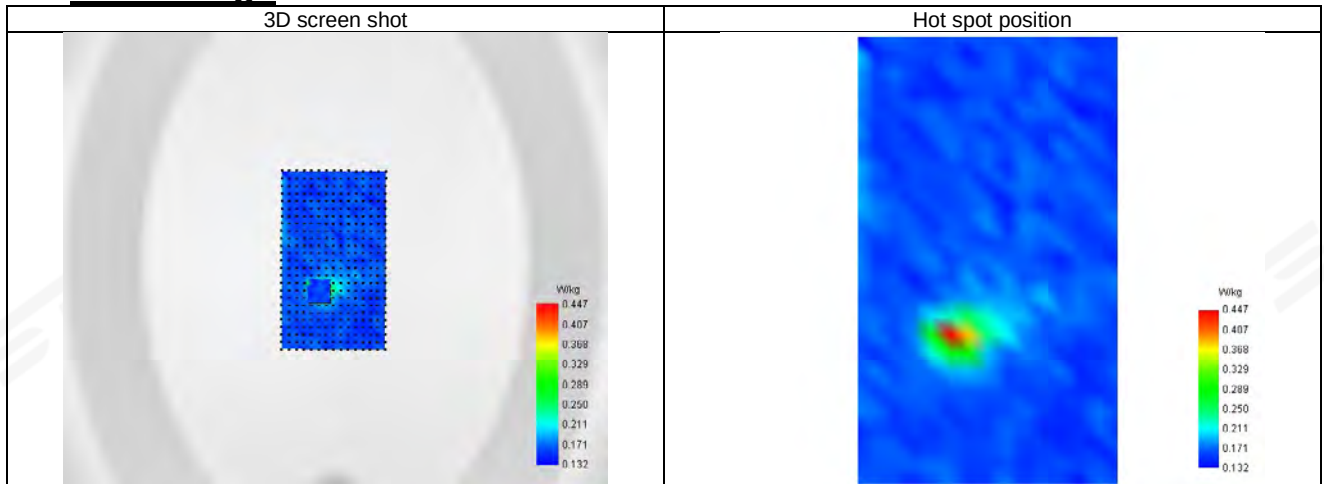
Maximum location: X=-17.00, Y=-32.00 ; SAR Peak: 0.79 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.188
SAR 1g (W/Kg)	0.361
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	72.773246

**E. Z Axis Scan**

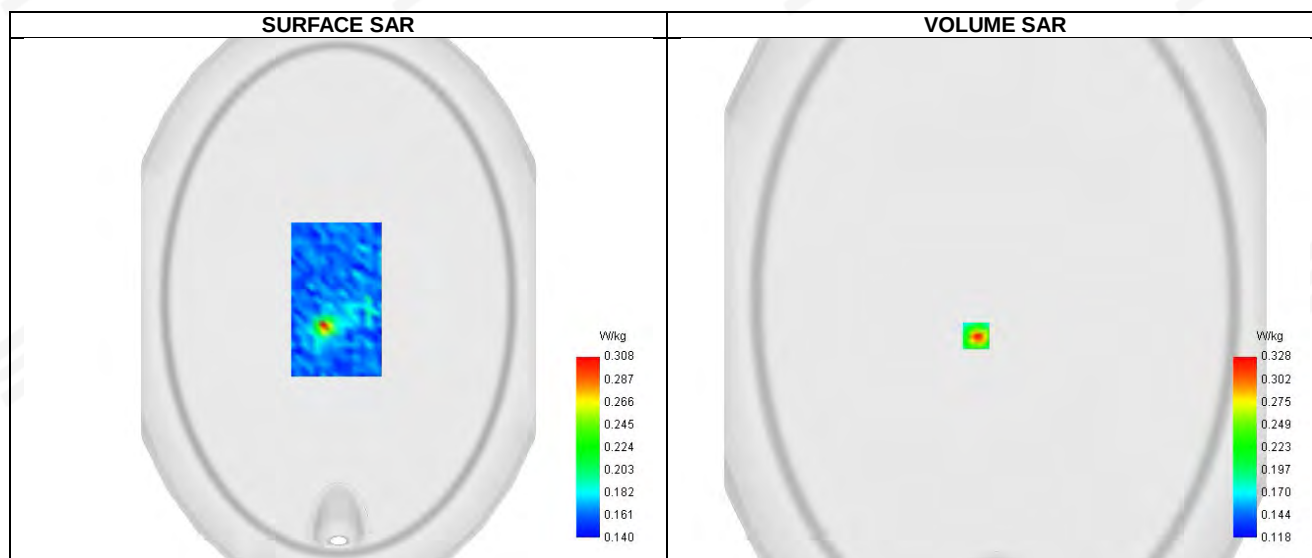
Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.616	0.442	0.322	0.248	0.290	0.265	0.243	0.223	0.204	0.187	0.171	0.157

**F. 3D Image**



Plot 22: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-03-04
ConvF	1.32
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.9G WLAN_ANT_2
Signal	802.11a (Crest factor: 1.0)
Frequency (MHz)	5865
Relative permittivity (real part)	35.58
Conductivity (S/m)	5.35

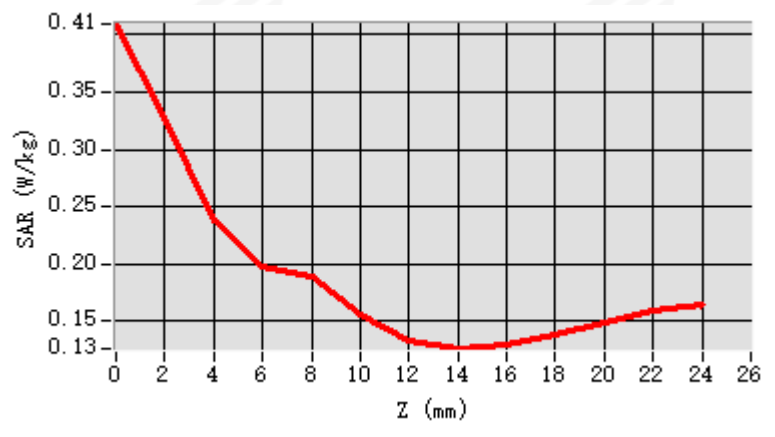
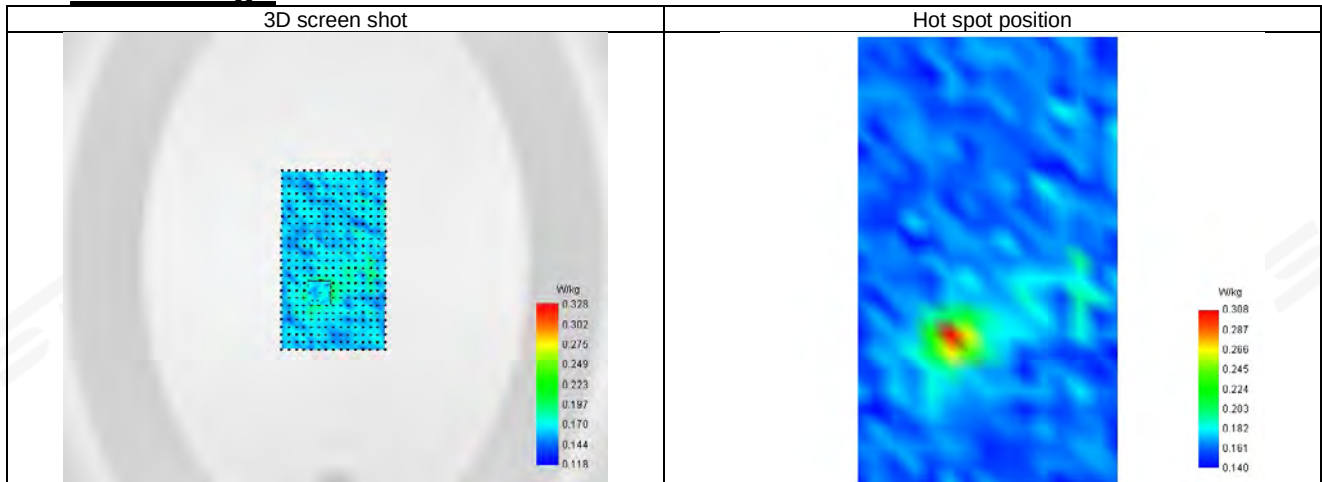


D. SAR 1g & 10g

SAR 10g (W/Kg)	0.153
SAR 1g (W/Kg)	0.252
Horizontal validation criteria: minimum distance (mm)	16.970563
Vertical validation criteria: SAR ratio M2/M1 (%)	80.606941

**E. Z Axis Scan**

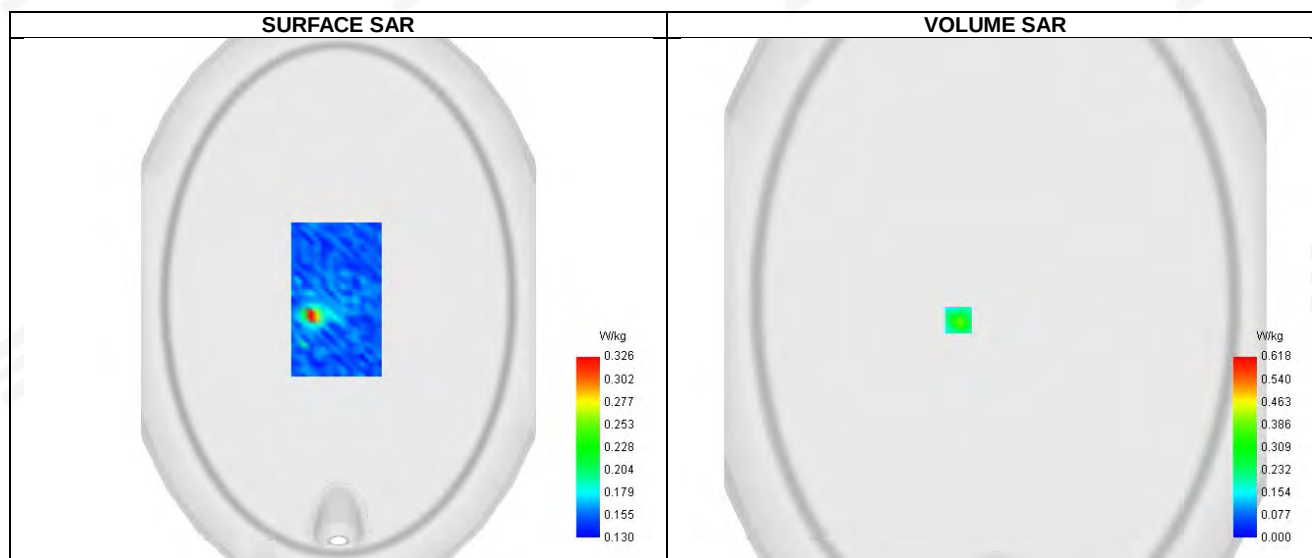
Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.410	0.328	0.238	0.197	0.189	0.156	0.133	0.126	0.129	0.138	0.150	0.160

**F. 3D Image**



Plot238: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-03-04
ConvF	1.32
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.9G WLAN_MIMO_ANT_1
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency (MHz)	5885
Relative permittivity (real part)	35.62
Conductivity (S/m)	5.39

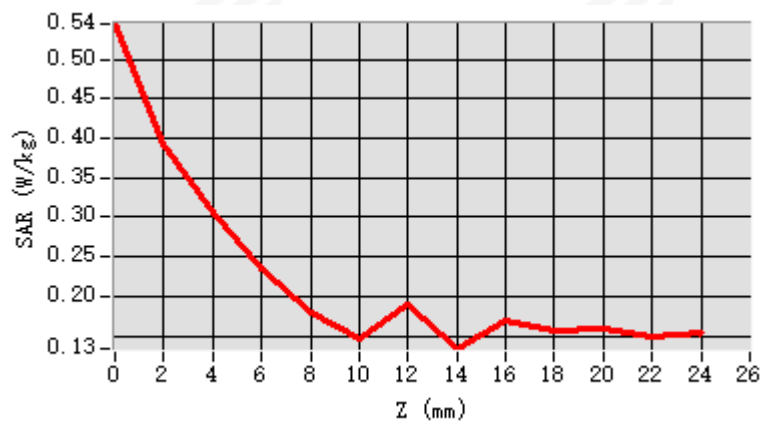
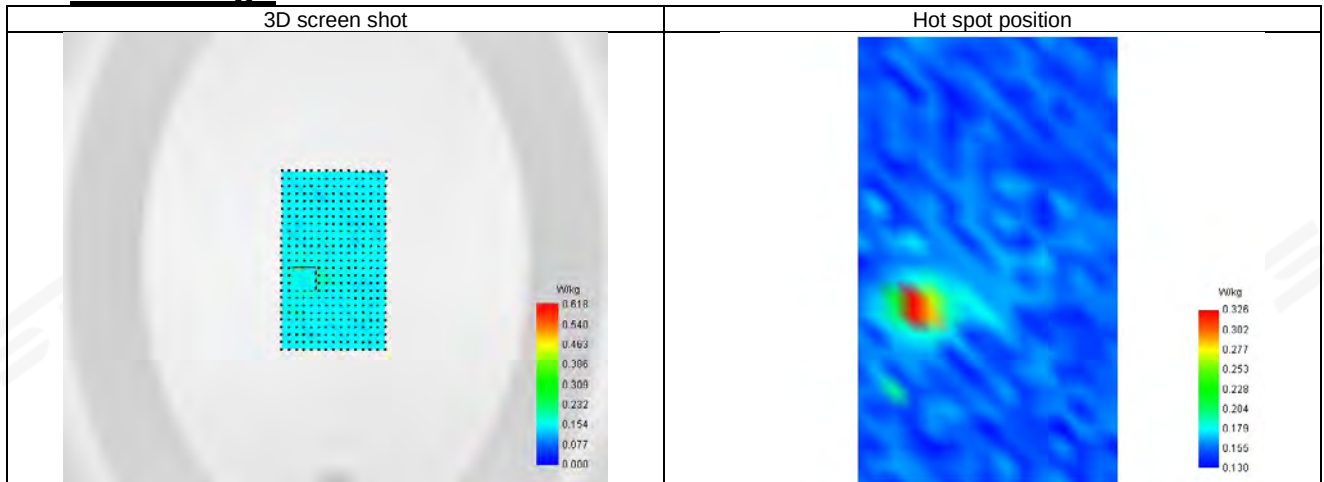


D. SAR 1g & 10g

SAR 10g (W/Kg)	0.150
SAR 1g (W/Kg)	0.282
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	77.720659

**E. Z Axis Scan**

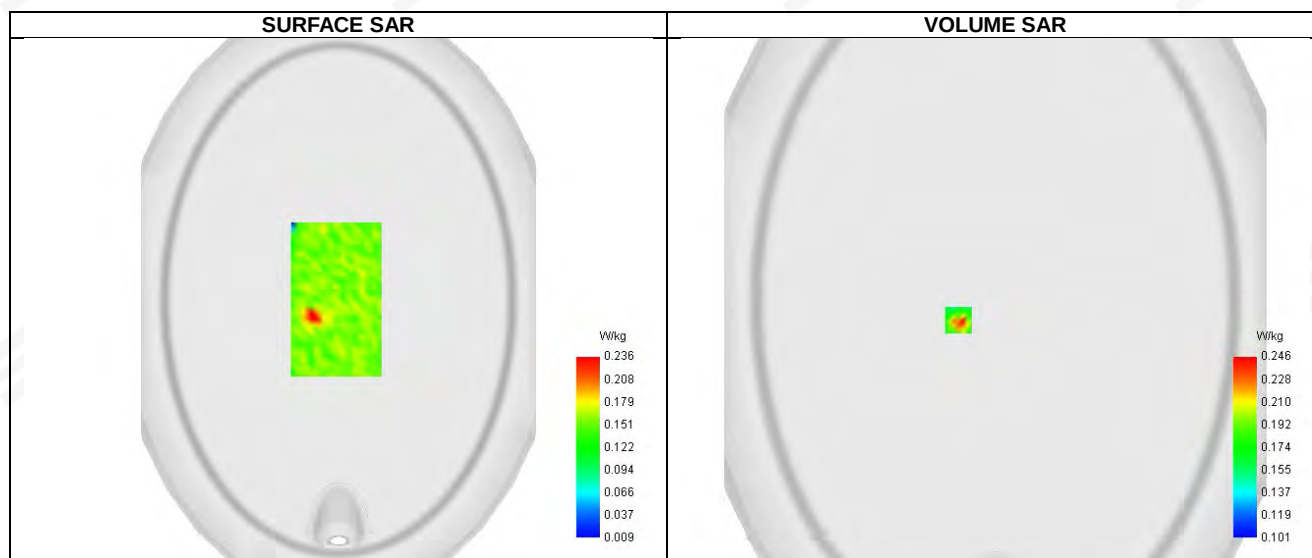
Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.545	0.393	0.306	0.234	0.180	0.147	0.189	0.134	0.169	0.156	0.160	0.148

**F. 3D Image**



Plot 24: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-03-04
ConvF	1.32
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	5.9G WLAN_MIMO_ANT_2
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency (MHz)	5885
Relative permittivity (real part)	35.62
Conductivity (S/m)	5.39



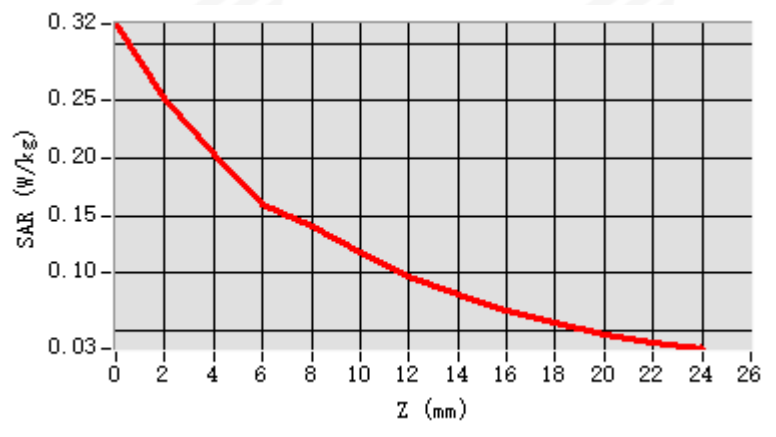
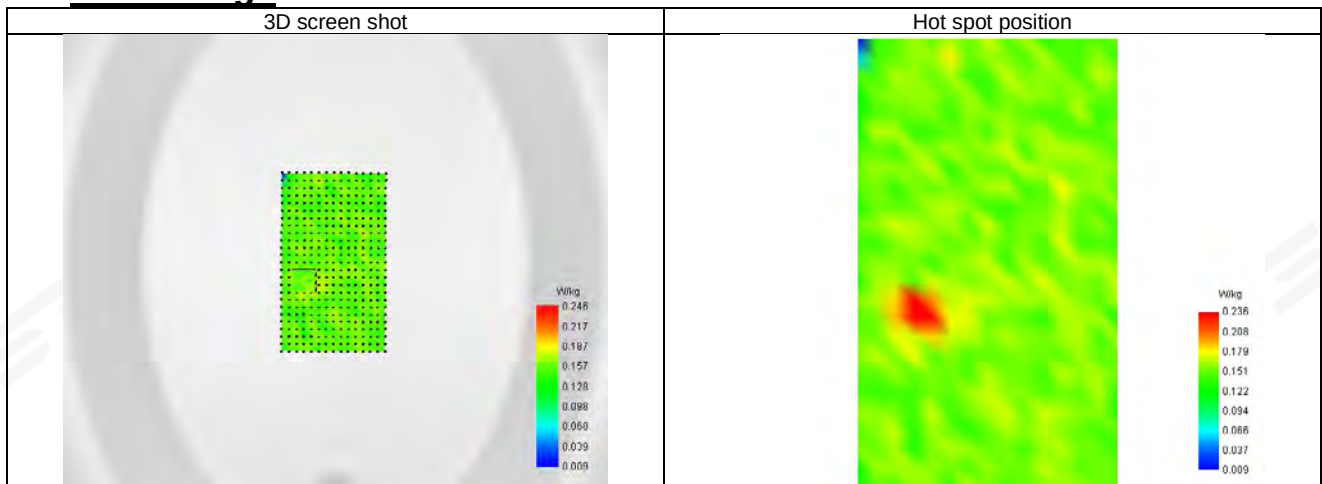
Maximum location: X=38.00, Y=15.00 ; SAR Peak: 0.35 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.144
SAR 1g (W/Kg)	0.197
Horizontal validation criteria: minimum distance (mm)	12.114740
Vertical validation criteria: SAR ratio M2/M1 (%)	65.210441

**E. Z Axis Scan**

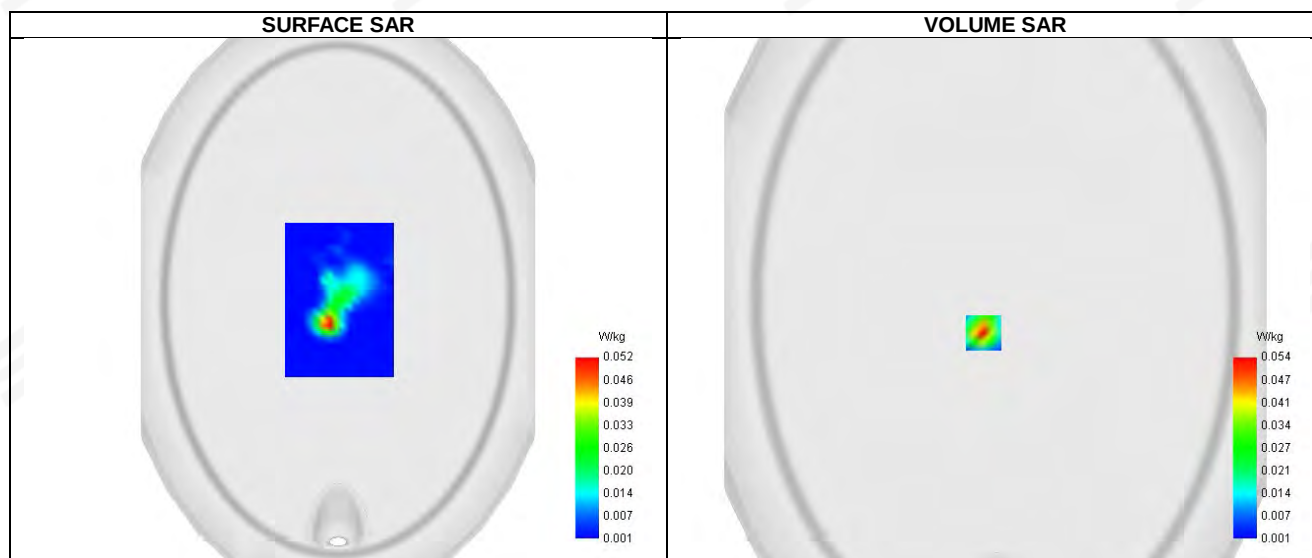
Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.317	0.252	0.203	0.161	0.141	0.117	0.098	0.081	0.068	0.056	0.047	0.039

**F. 3D Image**



Plot 25: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-02-14
ConvF	1.82
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	BT
Signal	GFSK(1Mbps)
Frequency (MHz)	2441
Relative permittivity (real part)	39.15
Conductivity (S/m)	1.80



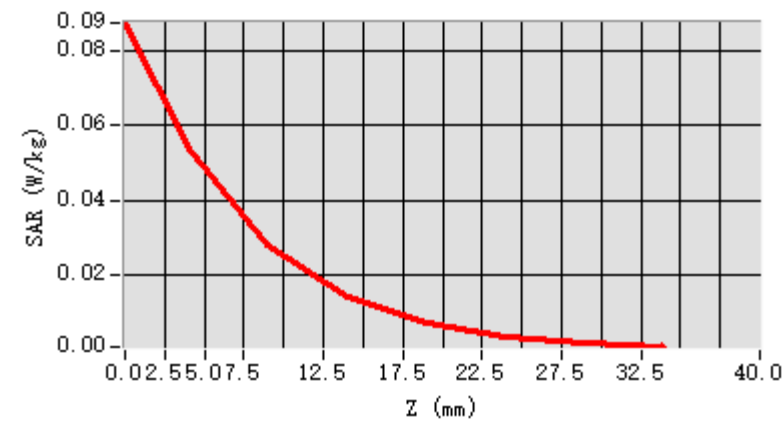
Maximum location: X=-11.00, Y=-30.00 ; SAR Peak: 0.09 W/kg

D. SAR 1g & 10g

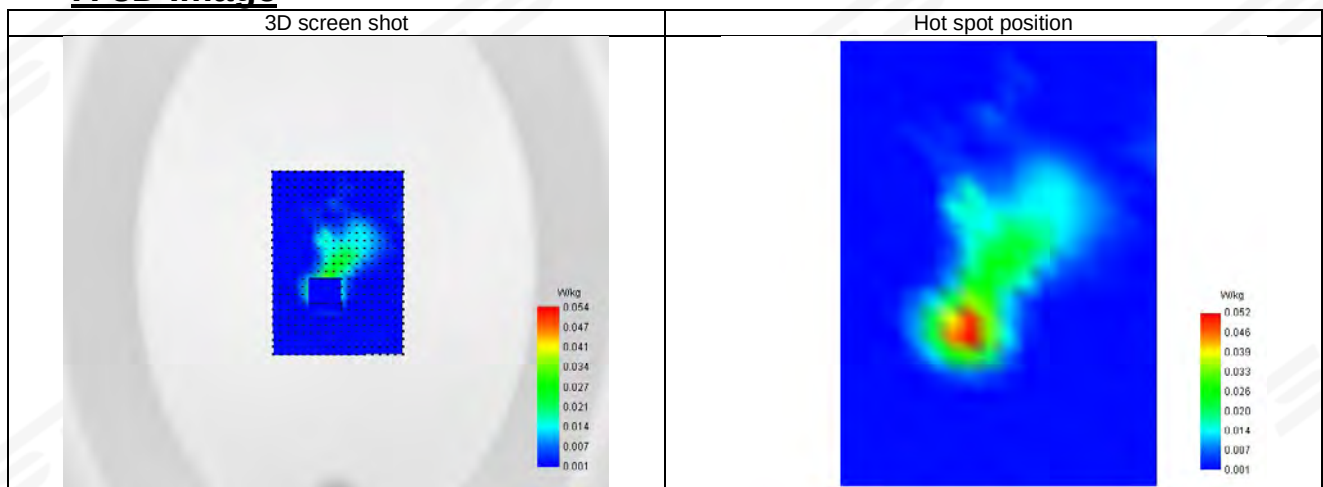
SAR 10g (W/Kg)	0.023
SAR 1g (W/Kg)	0.049
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	52.085214

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.087	0.054	0.028	0.014	0.007	0.004	0.002



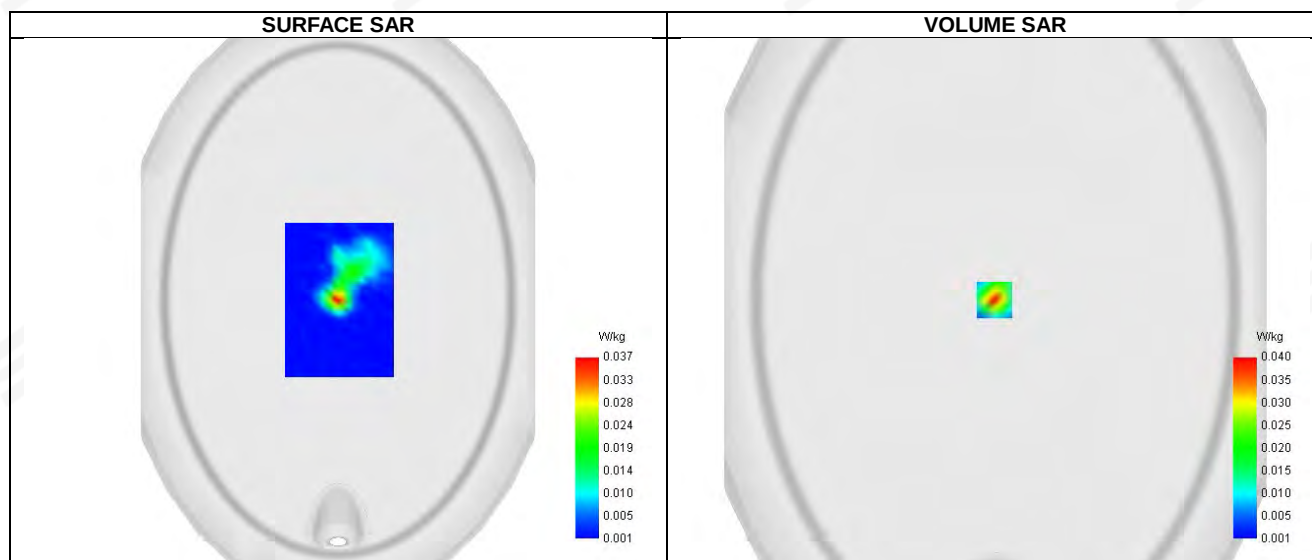
F. 3D Image





Plot 26: DUT: 10.1" Medical Android Tablet; EUT Model: MD10W2

Test Date	2026-02-14
ConvF	1.82
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	BLE
Signal	GFSK(1Mbps)
Frequency (MHz)	2440
Relative permittivity (real part)	39.05
Conductivity (S/m)	1.81

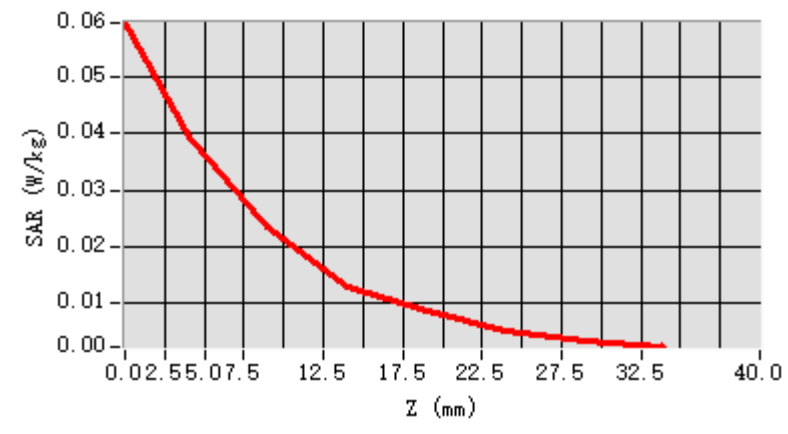


D. SAR 1g & 10g

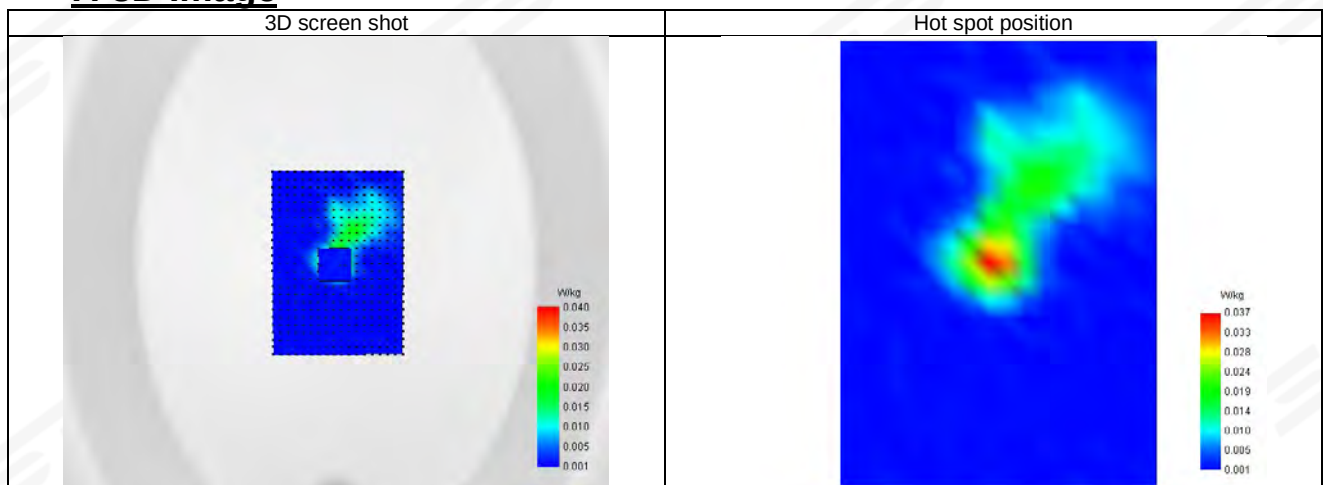
SAR 10g (W/Kg)	0.017
SAR 1g (W/Kg)	0.036
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	59.791472

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.060	0.040	0.024	0.013	0.009	0.005	0.003



F. 3D Image





Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※※END OF THE REPORT※※※※※