



SAR Test Report

Report No.: STS2505219H02

Issued for

SICHUAN YINGMU TECHNOLOGY CO., LTD

No. 3, No. 2, 8th Floor, Building 2, No. 31, Aerospace Road,
Chenghua District, Chengdu, Sichuan Province, China.

Product Name: INMO AIR3

Brand Name: INMO

Model Name: IMA301

Series Model(s): N/A

FCC ID: 2BP9S-IMA301

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

Max. Report SAR (1g) Body : 0.395 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 : SICHUAN YINGMU TECHNOLOGY CO., LTD
Address : No. 3, No. 2, 8th Floor, Building 2, No. 31, Aerospace Road,
Chenghua District, Chengdu, Sichuan Province, China.
Manufacturer's Name : SICHUAN YINGMU TECHNOLOGY CO., LTD
Address : No. 3, No. 2, 8th Floor, Building 2, No. 31, Aerospace Road,
Chenghua District, Chengdu, Sichuan Province, China.

Product description

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Brand name : INMO
Model name : IMA301
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..... : 27 Jun. 2025~29 Jun. 2025

Date of Issue..... : 11 Jul. 2025

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	11 Jul. 2025	STS2505219H02	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	INMO AIR3		
Brand Name	INMO		
Model Name	IMA301		
Series Model	N/A		
Model Difference	N/A		
Sample number	250605007-5		
Battery	Rated Voltage:3.85V Charge Limit Voltage:4.4V Capacity: 660mAh		
Device Category	Portable		
Product stage	Production unit		
RF Exposure Environment	General Population / Uncontrolled		
Hardware Version	V1.2		
Software Version	Air3_DU_V3.6		
Frequency Range	WLAN802.11b/g/n (HT20)/ax(HE20): 2412 ~ 2472MHz WLAN 802.11n(HT40)/ax(HE40): 2422 ~ 2462MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80/ac160/ax20/ax40/ax80/ax160: 5150 to 5350 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80/ac160/ax20/ax40/ax80/ax160: 5470 to 5725 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80/ac160/ax20/ax40/ax80/ax160: 5725 to 5850 MHz Bluetooth: 2402 MHz to 2480 MHz		
Max. Reported SAR(1g): (Limit:1.6W/kg)	Band	Mode	Body Worn(W/Kg)
	DTS	2.4G WLAN_ANT_1	0.045
	DTS	2.4G WLAN_ANT_2	0.039
	DTS	2.4G WLAN_ANT MIMO	0.097
	NII	5.2G WLAN_ANT_1	0.284
	NII	5.2G WLAN_ANT_2	0.246
	NII	5.2G WLAN_ANT MIMO	0.369
	NII	5.3G WLAN_ANT_1	0.123
	NII	5.3G WLAN_ANT_2	0.140
	NII	5.3G WLAN_ANT MIMO	0.395
	NII	5.6G WLAN_ANT_1	0.107
	NII	5.6G WLAN_ANT_2	0.073



	NII	5.6G WLAN_ANT MIMO	0.178
	NII	5.8G WLAN_ANT_1	0.086
	NII	5.8G WLAN_ANT_2	0.145
	NII	5.8G WLAN_ANT MIMO	0.174
	DSS	BT	0.037
FCC Equipment Class	Digital Transmission System (DTS) Unlicensed National Information Infrastructure TX(NII) Part 15 Spread Spectrum Transmitter (DSS)		
Operating Mode:	WLAN: 802.11 a/b/g/n20/n40/ac20/ac40/ac80/ax20/ax40/ax80/ax160 Bluetooth: GFSK + π /4DQPSK+8DPSK BLE: GFSK		
Antenna Specification:	Bluetooth: 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 941225 D01 v03r01	SAR Measurement Procedures for 3G Devices
8	FCC KDB 941225 D05 v02r05	SAR for LTE Devices
9	FCC KDB 941225 D06 v02r01	Hotspot Mode SAR
10	FCC KDB 648474 D04 v01r03	SAR Evaluation Considerations for Wireless Handsets
11	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:

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

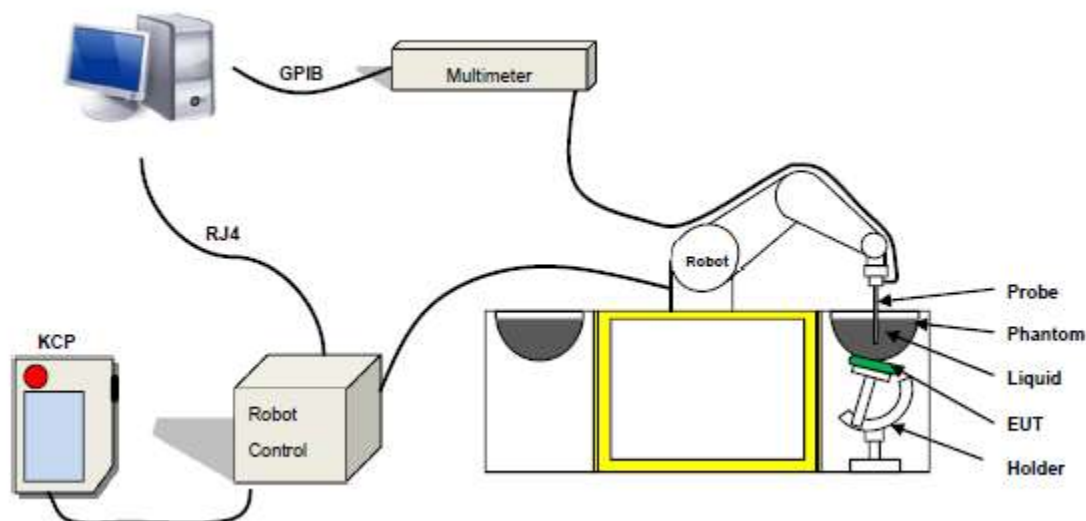
SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

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

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**

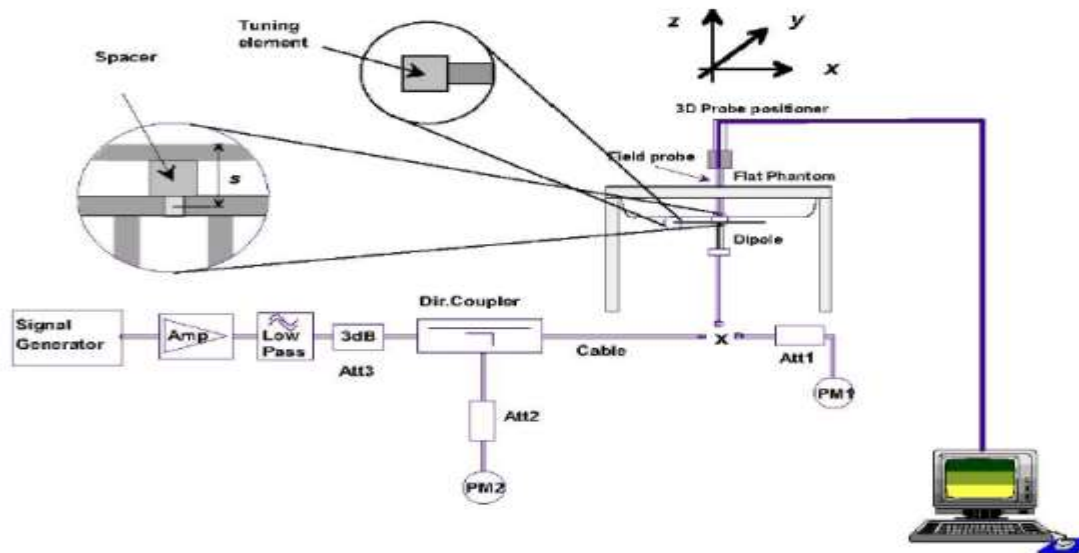
Date	Ambient		Simulating Liquid		Parameters	Target	Measured	Deviation %	Limited %
	Temp. [°C]	Humidity %	Frequency(MHz)	Temp. [°C]					
2025-06-27	22.2	41	2437	22.0	Permittivity	39.22	39.80	1.47	±5
					Conductivity	1.79	1.75	-2.15	±5
2025-06-27	22.2	41	2450	21.9	Permittivity	39.20	39.49	0.74	±5
					Conductivity	1.80	1.83	1.67	±5
2025-06-27	22.2	41	2452	21.9	Permittivity	39.20	39.52	0.83	±5
					Conductivity	1.80	1.86	3.23	±5
2025-06-27	22.2	42	2462	21.9	Permittivity	39.18	40.17	2.53	±5
					Conductivity	1.81	1.78	-1.69	±5
2025-06-27	22.3	42	2480	22.0	Permittivity	39.15	39.42	0.70	±5
					Conductivity	1.83	1.85	1.28	±5
2025-06-28	22.4	54	5180	22.1	Permittivity	36.00	36.79	2.21	±5
					Conductivity	4.63	4.71	1.62	±5
2025-06-28	22.5	54	5200	22.1	Permittivity	35.97	36.70	2.02	±5
					Conductivity	4.66	4.83	3.75	±5
2025-06-28	22.6	55	5240	22.1	Permittivity	35.93	36.11	0.51	±5
					Conductivity	4.70	4.73	0.72	±5
2025-06-28	22.4	54	5300	22.1	Permittivity	35.90	36.39	1.36	±5
					Conductivity	4.77	4.77	0.10	±5
2025-06-28	22.4	54	5320	22.1	Permittivity	35.88	36.58	1.95	±5
					Conductivity	4.79	4.79	0.08	±5
2025-06-29	20.3	56	5500	22.1	Permittivity	35.70	36.53	2.32	±5
					Conductivity	4.96	4.92	-0.81	±5
2025-06-29	20.4	56	5580	20.1	Permittivity	35.62	36.38	2.13	±5
					Conductivity	5.04	5.07	0.60	±5
2025-06-29	20.4	57	5600	20.1	Permittivity	35.60	36.18	1.63	±5
					Conductivity	5.06	5.11	0.99	±5
2025-06-29	20.4	56	5785	20.1	Permittivity	35.32	35.75	1.23	±5
					Conductivity	5.25	5.18	-1.41	±5
2025-06-29	20.4	56	5800	20.1	Permittivity	35.30	36.49	3.37	±5
					Conductivity	5.27	5.25	-0.38	±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

Justification for Extended SAR Dipole Calibrations

Usage of SAR dipoles calibrated less than 3 years ago but more than 1 year ago were confirmed in maintaining return loss (>20 dB, within 20% of prior calibration) and impedance (within 5 ohm from prior calibration) requirements per extended calibrations in KDB 865664 D01:

Dipole		Date of Measurement	Return Loss (dB)	Delta (%)	Impedance	Delta(ohm)
SN 30/14 DIP2G450-335	Head	2023-07-04	-26.03	/	46.3	/
	Liquid	2024-07-01	-26.91	3.38	47.4	1.1
SN 13/14 WGA32	Head	2023-07-04	< -8.23	/	/	/
	Liquid	2024-07-01	-9.70	17.86	/	/

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	
2025-06-27	2450	100 mW	5.346	2.268	-0.20	54.70	24.11	-2.26%	-5.92%	10
		Normalize to 1 Watt	53.463	22.683						
2025-06-28	5200	10 mW	1.549	0.551	-0.85	163.88	57.29	-5.50%	-3.85%	10
		Normalize to 1 Watt	154.859	55.084						
2025-06-28	5400	10 mW	1.683	0.552	-1.50	172.23	59.16	-2.31%	-6.70%	10
		Normalize to 1 Watt	168.257	55.199						
2025-06-29	5600	10 mW	1.696	0.566	-0.10	181.28	61.57	-6.45%	-8.02%	10
		Normalize to 1 Watt	169.593	56.631						
2025-06-29	5800	10 mW	1.857	0.610	0.79	188.95	63.45	-1.70%	-3.93%	10
		Normalize to 1 Watt	185.731	60.955						

Note:

- 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

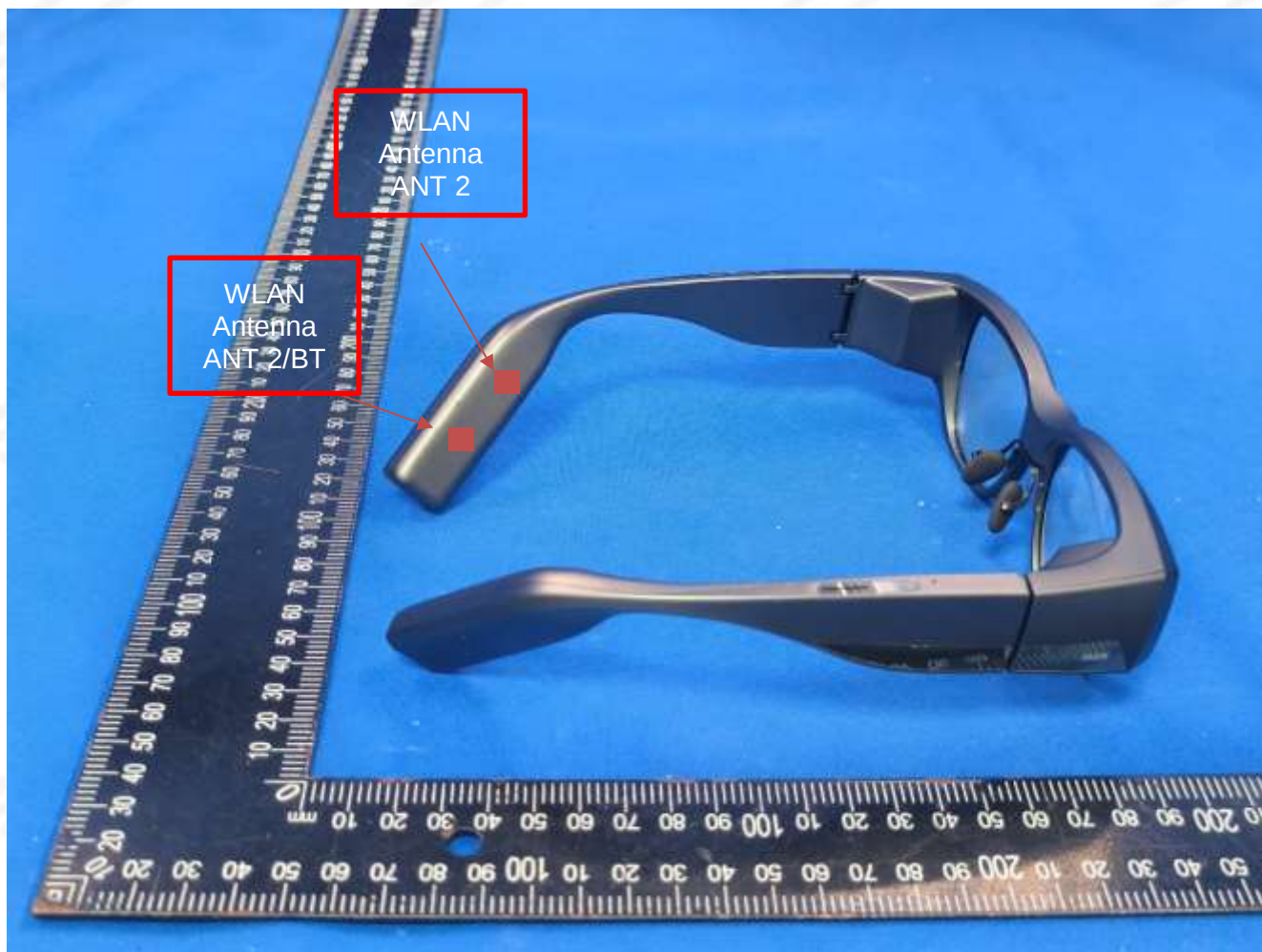
- Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible 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 INMO AIR3, support WLAN/BT mode.



Antenna Separation Distance(mm)						
ANT	Front Side	Back Side	Left Side	Right Side	Top Side	Bottom Side
WLAN ANT1/BT	15	2.5	≤0.5	≤0.5	1	1
WLAN ANT2	12.5	5	≤0.5	≤0.5	1	1

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



7.1 SAR test exclusion consider table

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

Exposure Position	Wireless Interface	BT	2.4G WLAN_ANT_1	2.4G WLAN_ANT_2	2.4G WLAN_MIMO_ANT_1	2.4G WLAN_MIMO_ANT_2	5.2G WLAN_ANT_1	5.2G WLAN_ANT_2	5.2G WLAN_MIMO_ANT_1	5.2G WLAN_MIMO_ANT_2	5.3G WLAN_ANT_1	5.3G WLAN_ANT_2
	Calculated Frequency(GHz)	2.48	2.437	2.462	2.452	2.452	5.18	5.24	5.18	5.18	5.32	5.32
	Maximum Turn-up power (dBm)	5	13	13.5	11	11	13	12.5	15.5	15.5	12.5	14.5
	Maximum rated power(mW)	3.16	19.95	22.39	12.59	12.59	19.95	17.78	35.48	35.48	17.78	28.18
	Separation distance (cm)	15	15	12.5	15	12.5	15	12.5	15	12.5	15	12.5
Front Side	exclusion threshold(mW)	1769.04	1770.98	1250.94	1770.30	1251.46	1689.49	1158.13	1689.49	1159.49	1686.68	1156.34
	Testing required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Separation distance (cm)	2.5	2.5	5	2.5	5	2.5	5	2.5	5	2.5	5
Back Side	exclusion threshold(mW)	57.40	55.96	56.79	56.46	56.46	188.08	191.96	188.08	188.08	197.21	197.21
	Testing required?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	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
Left Side	exclusion threshold(mW)	2.72	2.76	2.73	2.74	2.74	1.51	1.49	1.51	1.51	1.47	1.47
	Testing required?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	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
Right Side	exclusion threshold(mW)	2.72	2.76	2.73	2.74	2.74	1.51	1.49	1.51	1.51	1.47	1.47
	Testing required?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	Separation distance (cm)	1	1	1	1	1	1	1	1	1	1	1
Top Side	exclusion threshold(mW)	3.16	3.16	3.55	3.16	3.55	3.16	3.55	3.16	3.55	3.16	3.55
	Testing required?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	Separation distance (cm)	1	1	1	1	1	1	1	1	1	1	1
Bottom Side	exclusion threshold(mW)	10.17	10.29	10.22	10.25	10.25	6.30	6.25	6.30	6.30	6.19	6.19
	Testing required?	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	Separation distance (cm)	1	1	1	1	1	1	1	1	1	1	1

Exposure Position	Wireless Interface	5.3G WLAN_MIMO_ANT_A	5.3G WLAN_MIMO_ANT_B	5.6G WLAN_ANT_A	5.6G WLAN_ANT_B	5.6G WLAN_MIMO_ANT_A	5.6G WLAN_MIMO_ANT_B	5.8G WLAN_ANT_A	5.8G WLAN_ANT_B	5.8G WLAN_MIMO_ANT_A	5.8G WLAN_MIMO_ANT_B
	Calculated Frequency(GHz)	5.32	5.32	5.58	5.5	5.58	5.58	5.785	5.785	5.785	5.785
	Maximum Turn-up power (dBm)	16.5	16.5	14	14	16.5	16.5	11.5	13.5	15.5	15.5
	Maximum rated power(mW)	44.67	44.67	25.12	25.12	44.67	44.67	14.13	22.39	35.48	35.48
	Separation distance (cm)	15	12.5	15	12.5	15	12.5	15	12.5	15	12.5
Front Side	exclusion threshold(mW)	1686.68	1156.34	1681.66	1152.42	1681.66	1150.72	1677.87	1146.49	1677.87	1146.49
	Testing required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	Separation distance (cm)	2.5	5	2.5	5	2.5	5	2.5	5	2.5	5
Back Side	exclusion threshold(mW)	197.21	197.21	214.83	209.31	214.83	214.83	229.34	229.34	229.34	229.34
	Testing required?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	Separation distance (cm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Left Side	exclusion threshold(mW)	1.47	1.47	1.42	1.44	1.42	1.42	1.38	1.38	1.38	1.38
	Testing required?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	Separation distance (cm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Right Side	exclusion threshold(mW)	1.47	1.47	1.42	1.44	1.42	1.42	1.38	1.38	1.38	1.38
	Testing required?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	Separation distance (cm)	1	1	1	1	1	1	1	1	1	1
Top Side	exclusion threshold(mW)	3.16	3.55	3.16	3.55	3.16	3.55	3.16	3.55	3.16	3.55
	Testing required?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	Separation distance (cm)	1	1	1	1	1	1	1	1	1	1
Bottom Side	exclusion threshold(mW)	6.19	6.19	6.00	6.06	6.00	6.00	5.86	5.86	5.86	5.86
	Testing required?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	Separation distance (cm)	1	1	1	1	1	1	1	1	1	1

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	$19.2 R^2$.



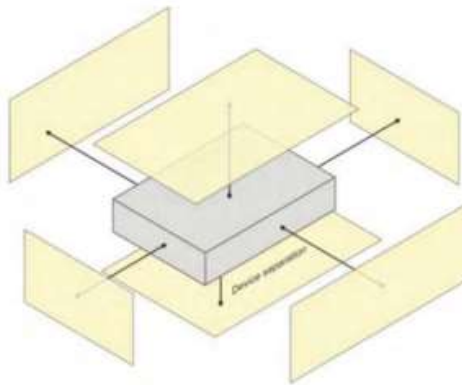
6. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion 8. for each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of these configurations is less than 1/4db 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. Bottom-side, Top-side, Left Side, Right Side.

8.1 Body-worn Position Conditions

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB Publication 447498 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

2.4G WLAN

2.4GWIFI					
Mode	Channel Number	Frequency (MHz)	ANT 1 Average Power (dBm)	ANT 2 Average Power (dBm)	ANT 1+2 Average Power (dBm)
802.11b	1	2412	15.76	15.64	N/A
	7	2437	15.63	15.93	N/A
	11	2462	15.80	15.92	N/A
802.11g	1	2412	16.40	16.84	N/A
	7	2437	16.72	16.97	N/A
	11	2462	16.71	17.19	N/A
802.11 n- HT20	1	2412	14.39	13.92	17.17
	7	2437	14.50	15.04	17.79
	11	2462	13.91	14.94	17.47
802.11 n- HT40	3	2422	14.97	16.02	18.54
	6	2437	15.94	14.16	18.15
	9	2452	15.65	16.23	18.96
802.11ax- HE20	1	2412	14.65	14.75	17.71
	7	2437	14.74	15.09	17.93
	11	2462	14.84	15.49	18.19
802.11ax- HE40	3	2422	14.52	15.23	17.90
	6	2437	15.41	13.40	17.53
	9	2452	15.13	15.52	18.34



BT				
Mode	Channel Number	Frequency (MHz)	Peak Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	-1.41	0.72
	39	2441	-0.88	0.82
	78	2480	0.80	1.20
$\pi/4$ -QPSK(2Mbps)	0	2402	2.15	1.64
	39	2441	2.60	1.82
	78	2480	4.39	2.75
8DPSK(3Mbps)	0	2402	2.33	1.71
	39	2441	2.86	1.93
	78	2480	4.66	2.92

BLE				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	-1.30	0.74
	19	2440	-0.85	0.82
	39	2480	0.75	1.19
GFSK(2Mbps)	0	2402	-1.42	0.72
	19	2440	-0.96	0.80
	39	2480	0.90	1.23

BLE				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
BLE CODE PHY-S8	0	2402	-1.54	0.70
	19	2440	-0.92	0.81
	39	2480	0.89	1.23

BLE				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
BLE CODE PHY-S2	0	2402	-1.31	0.74
	19	2440	-0.90	0.81
	39	2480	0.79	1.20



5.2G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1 Average Power (dBm)	ANT 2 Average Power (dBm)	ANT 1+2 Average Power (dBm)
802.11a	36	5180	12.55	11.18	N/A
	40	5200	11.40	11.41	N/A
	48	5240	11.09	11.75	N/A
802.11 n-HT20	36	5180	12.12	10.88	14.55
	40	5200	11.06	11.07	14.08
	48	5240	10.79	11.40	14.12
802.11 n-HT40	38	5190	10.66	9.60	13.17
	46	5230	9.57	10.19	12.90
802.11ac-VHT20	36	5180	12.12	10.82	14.53
	40	5200	11.04	11.04	14.05
	48	5240	10.74	11.37	14.08
802.11ac-VHT40	38	5190	10.71	9.61	13.21
	46	5230	9.59	10.20	12.92
802.11ac-VHT80	42	5210	8.58	8.88	11.74
802.11ac-VHT160	50	5250	7.32	8.02	10.69
802.11ax-HE20	36	5180	12.38	11.09	14.79
	40	5200	11.28	11.30	14.30
	48	5240	10.97	11.61	14.31
802.11ax-HE40	38	5190	10.38	9.35	12.91
	46	5230	9.31	9.89	12.62
802.11ax-HE80	42	5210	8.52	8.86	11.70
802.11 ax-HE160	50	5250	7.32	8.04	10.71



5.3G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1 Average Power (dBm)	ANT 2 Average Power (dBm)	ANT 1+2 Average Power (dBm)
802.11a	52	5260	11.51	12.59	N/A
	60	5300	10.96	13.28	N/A
	64	5320	11.70	13.90	N/A
802.11 n-HT20	52	5260	11.22	12.38	14.85
	60	5300	10.66	12.97	14.98
	64	5320	11.38	13.58	15.63
802.11 n-HT40	54	5270	9.84	11.44	13.72
	62	5310	10.12	12.18	14.28
802.11ac-VHT20	52	5260	11.19	12.41	14.85
	60	5300	10.65	12.95	14.96
	64	5320	11.39	13.57	15.63
802.11ac-VHT40	54	5270	9.79	11.44	13.70
	62	5310	10.10	12.18	14.27
802.11ac-VHT80	58	5290	8.59	10.22	12.49
802.11ax-HE20	52	5260	11.41	12.54	15.02
	60	5300	10.90	13.19	15.20
	64	5320	11.62	13.83	15.87
802.11ax-HE40	54	5270	9.51	11.16	13.42
	62	5310	9.80	11.84	13.95
802.11ax-HE80	58	5290	8.51	10.15	12.42



5.6G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1 Average Power (dBm)	ANT 2 Average Power (dBm)	ANT 1+2 Average Power (dBm)
802.11a	100	5500	12.25	13.34	N/A
	116	5580	13.29	13.15	N/A
	140	5700	10.54	12.99	N/A
802.11 n-HT20	100	5500	11.89	12.97	15.47
	116	5580	13.00	12.86	15.94
	140	5700	10.23	12.71	14.65
802.11 n-HT40	102	5510	11.15	11.75	14.47
	110	5550	11.78	11.82	14.81
	134	5670	10.25	10.18	13.23
802.11ac-VHT20	100	5500	11.87	12.88	15.41
	116	5580	12.98	12.83	15.92
	140	5700	10.19	12.69	14.63
802.11ac-VHT40	102	5510	11.15	11.77	14.48
	110	5550	11.77	11.81	14.80
	134	5670	10.28	10.16	13.23
802.11ac-VHT80	106	5530	10.31	10.69	13.51
	122	5610	10.38	10.24	13.32
802.11ac-VHT160	114	5570	9.62	9.53	12.59
802.11ax-HE20	100	5500	12.12	13.08	15.64
	116	5580	13.23	13.05	16.15
	140	5700	10.49	12.94	14.90
802.11ax-HE40	102	5510	10.86	11.42	14.16
	110	5550	11.48	11.48	14.49
	134	5670	9.97	9.87	12.93
802.11ax-HE80	106	5530	10.19	10.62	13.42
	122	5610	10.31	10.16	13.25
802.11ax-HE160	114	5570	9.69	9.60	12.66



5.8G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1 Average Power (dBm)	ANT 2 Average Power (dBm)	ANT 1+2 Average Power (dBm)
802.11a	149	5745	10.78	12.86	N/A
	157	5785	10.92	13.04	N/A
	165	5825	9.84	12.62	N/A
802.11 n-HT20	149	5745	10.46	12.50	14.61
	157	5785	10.59	12.69	14.78
	165	5825	9.44	12.26	14.09
802.11 n-HT40	151	5755	9.23	11.09	13.27
	159	5795	9.56	10.94	13.31
802.11ac-VHT20	149	5745	10.46	12.53	14.63
	157	5785	10.59	12.68	14.77
	165	5825	9.47	12.26	14.10
802.11ac-VHT40	151	5755	9.29	11.16	13.34
	159	5795	9.57	10.90	13.30
802.11ac-VHT80	155	5775	8.26	10.07	12.27
802.11ax-HE20	149	5745	10.70	12.80	14.89
	157	5785	10.80	12.93	15.00
	165	5825	9.72	12.52	14.35
802.11ax-HE40	151	5755	8.99	10.90	13.06
	159	5795	9.29	10.69	13.06
802.11ax-HE80	155	5775	8.20	10.00	12.20

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

Back Side(0mm)





Left Side(0mm)



Right Side(0mm)





Top Side(0mm)

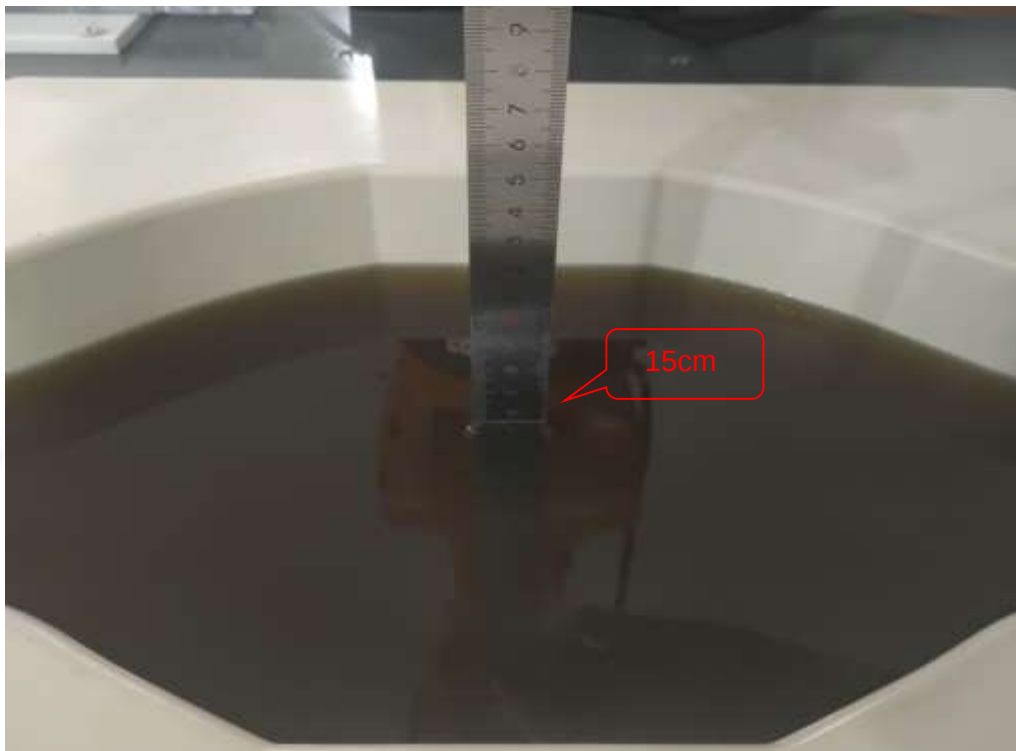


Bottom Side(0mm)





Liquid depth (15 cm)





12. SAR Result Summary

12.1 Body-worn SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR (W/kg)	Meas.No.
2.4G WLAN_ANT_1	802.11b	Back Side	2462	0.014	2.44	16.00	15.80	0.015	/
		Left Side	2462	0.038	3.04	16.00	15.80	0.040	/
		Right Side	2462	0.043	-1.43	16.00	15.80	0.045	1
		Top Side	2462	0.023	1.35	16.00	15.80	0.024	/
		Bottom Side	2462	0.021	-3.13	16.00	15.80	0.022	/
2.4G WLAN_ANT_2	802.11b	Back Side	2437	0.011	-3.17	16.00	15.93	0.011	/
		Left Side	2437	0.031	2.43	16.00	15.93	0.032	/
		Right Side	2437	0.038	1.38	16.00	15.93	0.039	2
		Top Side	2437	0.020	-1.38	16.00	15.93	0.020	/
		Bottom Side	2437	0.018	-3.54	16.00	15.93	0.018	/
2.4G WLAN_MIMO_ ANT_1	802.11 n-HT40	Back Side	2452	0.015	-1.90	19.00	18.96	0.015	/
		Left Side	2452	0.033	2.54	19.00	18.96	0.033	/
		Right Side	2452	0.041	1.95	19.00	18.96	0.041	3
		Top Side	2452	0.021	-1.06	19.00	18.96	0.021	/
		Bottom Side	2452	0.019	3.32	19.00	18.96	0.019	/
2.4G WLAN_MIMO_ ANT_2	802.11 n-HT40	Back Side	2452	0.026	-0.07	19.00	18.96	0.026	/
		Left Side	2452	0.039	0.27	19.00	18.96	0.039	/
		Right Side	2452	0.055	2.72	19.00	18.96	0.056	4
		Top Side	2452	0.027	-0.78	19.00	18.96	0.027	/
		Bottom Side	2452	0.023	3.39	19.00	18.96	0.023	/
5.2G WLAN_ANT_1	802.11ax-HE20	Back Side	5180	0.114	-1.71	13.00	12.55	0.126	/
		Left Side	5180	0.223	3.81	13.00	12.55	0.247	/
		Right Side	5180	0.256	-1.75	13.00	12.55	0.284	5
		Right Side	5200	0.178	0.31	13.00	12.55	0.197	/
		Right Side	5240	0.163	-3.25	13.00	12.55	0.181	/
		Top Side	5180	0.142	-1.18	13.00	12.55	0.158	/
		Bottom Side	5180	0.134	1.94	13.00	12.55	0.149	/
5.2G WLAN_ANT_2	802.11a	Back Side	5240	0.065	3.18	12.00	11.75	0.069	/
		Left Side	5240	0.208	3.75	12.00	11.75	0.220	/
		Right Side	5240	0.232	-2.12	12.00	11.75	0.246	6
		Top Side	5240	0.123	3.14	12.00	11.75	0.130	/
		Bottom Side	5240	0.111	-3.85	12.00	11.75	0.118	/
5.2G WLAN_MIMO_ ANT_1	802.11ax-HE20	Back Side	5180	0.077	1.28	15.00	14.79	0.081	/
		Left Side	5180	0.175	-3.63	15.00	14.79	0.184	/
		Right Side	5180	0.190	-2.97	15.00	14.79	0.199	7
		Top Side	5180	0.103	-0.64	15.00	14.79	0.108	/
		Bottom Side	5180	0.095	3.35	15.00	14.79	0.100	/
5.2G WLAN_MIMO_ ANT_2	802.11ax-HE20	Back Side	5180	0.051	0.97	15.00	14.79	0.054	/
		Left Side	5180	0.143	-2.04	15.00	14.79	0.150	/
		Right Side	5180	0.162	2.67	15.00	14.79	0.170	8
		Top Side	5180	0.081	0.53	15.00	14.79	0.085	/
		Bottom Side	5180	0.074	-2.93	15.00	14.79	0.078	/
5.3G WLAN_ANT_1	802.11a	Back Side	5320	0.041	2.42	12.00	11.70	0.044	/
		Left Side	5320	0.097	-3.24	12.00	11.70	0.104	/
		Right Side	5320	0.115	-1.74	12.00	11.70	0.123	9
		Top Side	5320	0.063	-3.12	12.00	11.70	0.068	/
		Bottom Side	5320	0.055	0.01	12.00	11.70	0.059	/
5.3G WLAN_ANT_2	802.11a	Back Side	5320	0.038	1.04	14.00	13.90	0.039	/
		Left Side	5320	0.112	-0.11	14.00	13.90	0.115	/
		Right Side	5320	0.137	4.00	14.00	13.90	0.140	10
		Top Side	5320	0.085	-1.76	14.00	13.90	0.087	/
		Bottom Side	5320	0.071	1.78	14.00	13.90	0.073	/
5.3G WLAN_MIMO_ ANT_1	802.11ax-HE20	Back Side	5320	0.101	-2.20	16.00	15.87	0.104	/
		Left Side	5320	0.179	2.98	16.00	15.87	0.184	/
		Right Side	5320	0.200	2.38	16.00	15.87	0.206	11
		Top Side	5320	0.105	-3.90	16.00	15.87	0.108	/
		Bottom Side	5320	0.094	-0.48	16.00	15.87	0.097	/



5.3G WLAN_MIMO_ ANT_2	802.11ax-HE20	Back Side	5320	0.057	3.13	16.00	15.87	0.059	/
		Left Side	5320	0.156	-3.56	16.00	15.87	0.161	/
		Right Side	5320	0.183	-3.21	16.00	15.87	0.189	12
		Top Side	5320	0.085	-2.86	16.00	15.87	0.088	/
		Bottom Side	5320	0.072	-1.73	16.00	15.87	0.074	/
5.6G WLAN_ANT_1	802.11a	Back Side	5580	0.045	2.47	13.50	13.29	0.047	/
		Left Side	5580	0.084	2.09	13.50	13.29	0.088	/
		Right Side	5580	0.102	-1.58	13.50	13.29	0.107	13
		Top Side	5580	0.071	-3.74	13.50	13.29	0.075	/
		Bottom Side	5580	0.062	2.31	13.50	13.29	0.065	/
5.6G WLAN_ANT_2	802.11a	Back Side	5500	0.031	2.61	13.50	13.34	0.032	/
		Left Side	5500	0.065	1.38	13.50	13.34	0.067	/
		Right Side	5500	0.070	0.19	13.50	13.34	0.073	14
		Top Side	5500	0.055	3.72	13.50	13.34	0.057	/
		Bottom Side	5500	0.046	3.31	13.50	13.34	0.048	/
5.6G WLAN_MIMO_ ANT_1	802.11ax-HE20	Back Side	5580	0.042	1.38	16.50	16.15	0.046	/
		Left Side	5580	0.082	-0.16	16.50	16.15	0.089	/
		Right Side	5580	0.093	-0.53	16.50	16.15	0.101	15
		Top Side	5580	0.060	0.89	16.50	16.15	0.065	/
		Bottom Side	5580	0.052	-3.66	16.50	16.15	0.056	/
5.6G WLAN_MIMO_ ANT_2	802.11ax-HE20	Back Side	5580	0.033	2.86	16.50	16.15	0.036	/
		Left Side	5580	0.062	2.93	16.50	16.15	0.067	/
		Right Side	5580	0.071	3.42	16.50	16.15	0.077	16
		Top Side	5580	0.055	-3.99	16.50	16.15	0.060	/
		Bottom Side	5580	0.042	-3.87	16.50	16.15	0.046	/
5.8G WLAN_ANT_1	802.11a	Back Side	5785	0.032	1.82	11.00	10.92	0.033	/
		Left Side	5785	0.076	0.09	11.00	10.92	0.077	/
		Right Side	5785	0.084	-2.80	11.00	10.92	0.086	17
		Top Side	5785	0.061	-0.88	11.00	10.92	0.062	/
		Bottom Side	5785	0.054	-1.04	11.00	10.92	0.055	/
5.8G WLAN_ANT_2	802.11ax-HE20	Back Side	5785	0.065	2.35	13.50	13.04	0.072	/
		Left Side	5785	0.121	-3.20	13.50	13.04	0.135	/
		Right Side	5785	0.130	0.89	13.50	13.04	0.145	18
		Top Side	5785	0.094	0.33	13.50	13.04	0.105	/
		Bottom Side	5785	0.085	-2.59	13.50	13.04	0.094	/
5.8G WLAN_MIMO_ ANT_1	802.11ax-HE20	Back Side	5785	0.032	2.09	15.50	15.00	0.036	/
		Left Side	5785	0.064	-3.06	15.50	15.00	0.072	/
		Right Side	5785	0.078	-1.81	15.50	15.00	0.088	19
		Top Side	5785	0.051	3.61	15.50	15.00	0.057	/
		Bottom Side	5785	0.047	2.83	15.50	15.00	0.053	/
5.8G WLAN_MIMO_ ANT_2	802.11ax-HE20	Back Side	5785	0.030	-3.25	15.50	15.00	0.034	/
		Left Side	5785	0.062	3.68	15.50	15.00	0.070	/
		Right Side	5785	0.077	-2.28	15.50	15.00	0.086	20
		Top Side	5785	0.047	3.33	15.50	15.00	0.053	/
		Bottom Side	5785	0.040	-3.05	15.50	15.00	0.045	/
BT	GFSK	Back Side	2480	0.017	3.36	5.00	4.66	0.018	/
		Left Side	2480	0.028	1.36	5.00	4.66	0.030	/
		Right Side	2480	0.034	-3.97	5.00	4.66	0.037	21
		Top Side	2480	0.022	-1.75	5.00	4.66	0.024	/



Band	ANT	Max SAR	2.4G WLAN_ANT_1+2
		(W/Kg)	
2.4G WLAN_ANT_1+2	ANT_1	0.041	0.097
	ANT_2	0.056	
Band	ANT	Max SAR	5.2G WLAN_ANT_1+2
		(W/Kg)	
5.2G WLAN_ANT_1+2	ANT_1	0.199	0.369
	ANT_2	0.170	
Band	ANT	Max SAR	5.3G WLAN_ANT_1+2
		(W/Kg)	
5.3G WLAN_ANT_1+2	ANT_1	0.206	0.395
	ANT_2	0.189	
Band	ANT	Max SAR	5.6G WLAN_ANT_1+2
		(W/Kg)	
5.6G WLAN_ANT_1+2	ANT_1	0.101	0.178
	ANT_2	0.077	
Band	ANT	Max SAR	5.8G WLAN_ANT_1+2
		(W/Kg)	
5.8G WLAN_ANT_1+2	ANT_1	0.088	0.174
	ANT_2	0.086	

Note:

1. The test separation of all above table is 0mm.
2. Per KDB 447498 D04, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. 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.
 - b. Scaled SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
3. The BT and WIFI functions cannot be transmitted simultaneously



13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
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	2024.09.18	2025.09.17
Dielectric Probe Kit	MVG	SCLMP	SN 32/14 OCPG67	2024.09.18	2025.09.17
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	2025-02-22	2026-02-21
Directional coupler	Xi'an Xingbo	XBOH-OA08- 20dB	211123-4-3	2025-02-22	2026-02-21
Network Analyzer	Agilent	E5071C	MY46520378	2024-09-25	2025-09-26
Multi Meter	Keithley	Multi Meter 2000	4050073	2024-09-25	2025-09-26
Signal Generator	Agilent	N5182A	MY50140530	2024-09-25	2025-09-26
Wireless Communication Test Set	Agilent	8960-E5515C	MY48360751	2025-02-22	2026-02-21
Wireless Communication Test Set	R&S	CMW500	156324	2024-09-25	2025-09-26
Power Amplifier	DESAY	ZHL-42W	9638	2024-09-25	2025-09-26
Power Meter	R&S	NRP	100510	2024-09-25	2025-09-26
Power Sensor	R&S	NRP-Z11	101919	2024-09-25	2025-09-26
Power Sensor	Keysight	U2021XA	MY56280002	2024-09-25	2025-09-26
Temperature hygrometer	SuWei	SW-108	N/A	2024.10.15	2025.10.14
Thermograph	Elitech	RC-4	S/N EF7176501537	2024.10.15	2025.10.14



Appendix A. System Validation Plots

System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

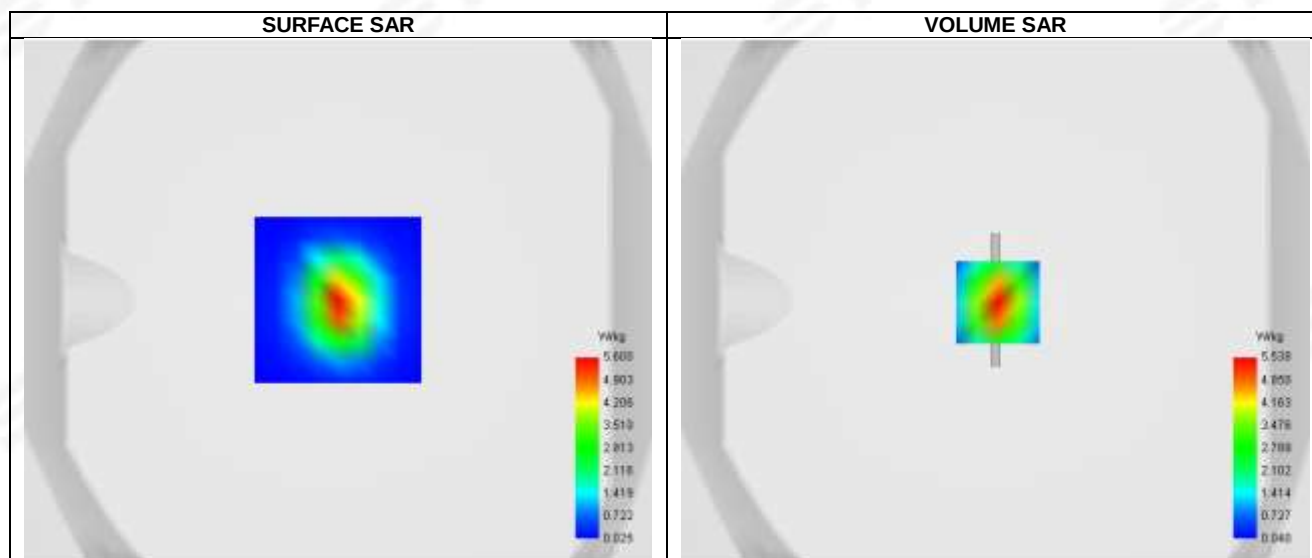
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-06-27

Experimental conditions.

Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity	39.49
Conductivity (S/m)	1.83
Probe	SN 08/21 EPGO352
ConvF	1.80
Crest factor:	1:1



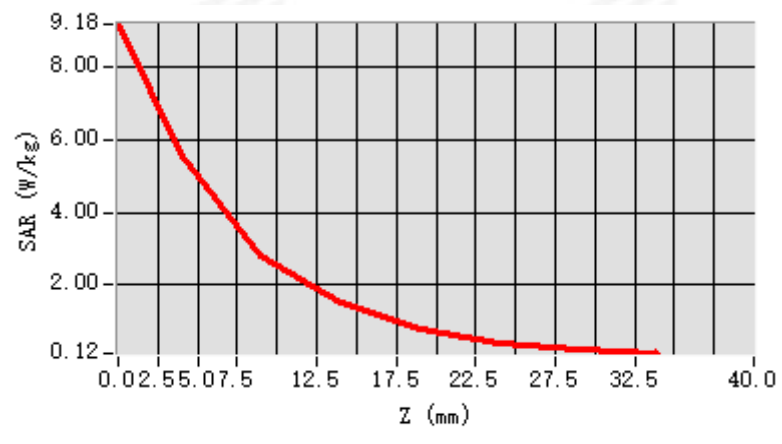
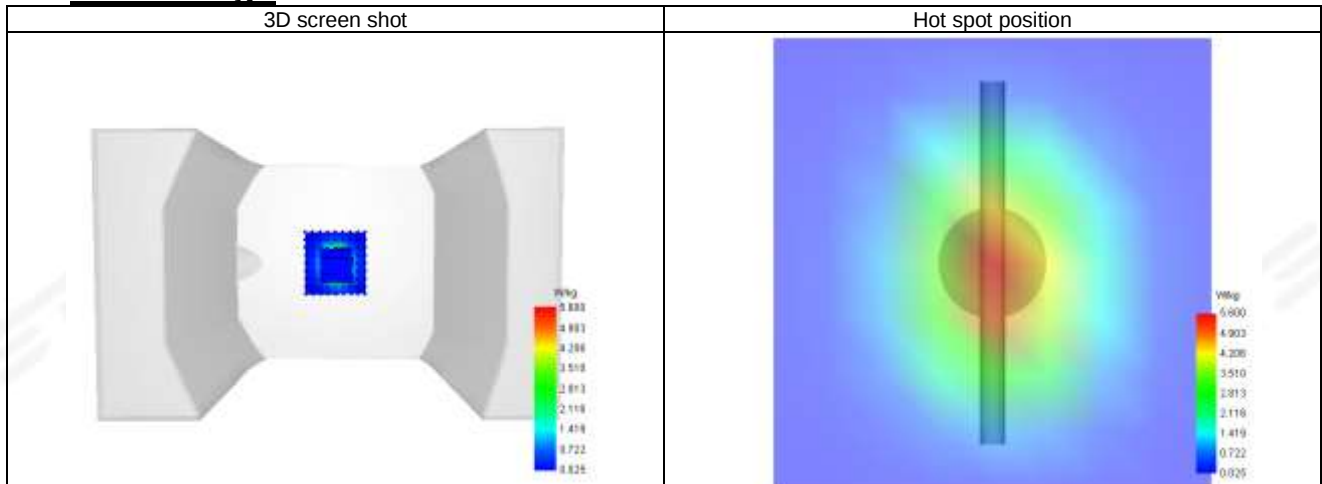
Maximum location: X=1.00, Y=-1.00 ; SAR Peak: 9.08 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	2.268
SAR 1g (W/Kg)	5.346
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	50.940473

**E. Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	9.177	5.538	2.821	1.514	0.795	0.418	0.219

**F. 3D Image**

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

Type: Dipole measurement (Complete)

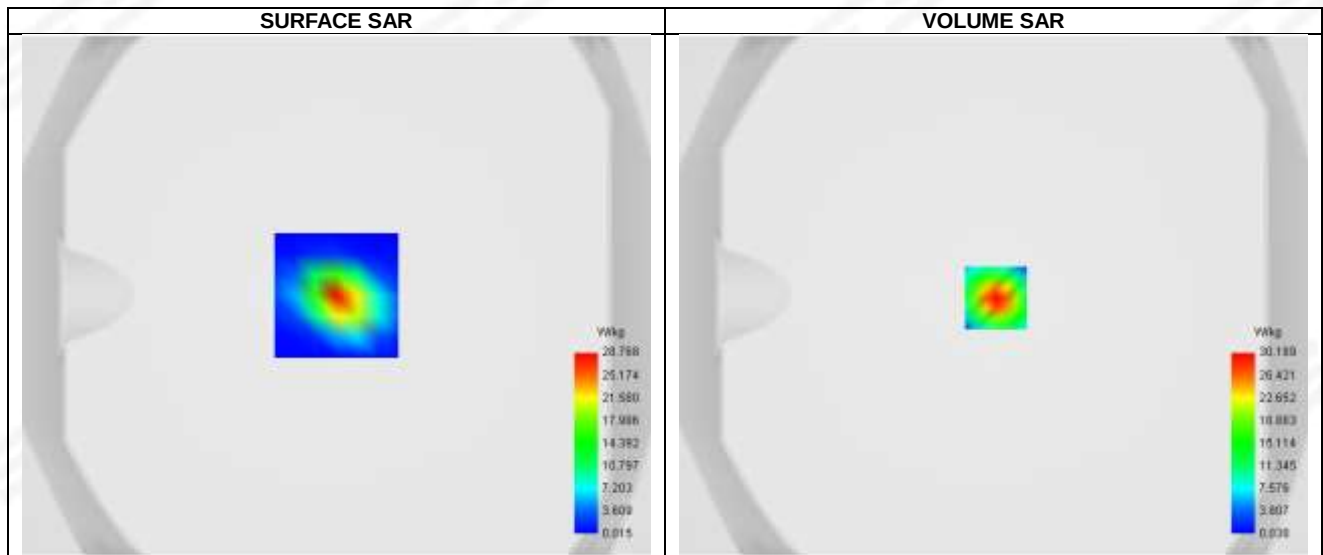
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-06-28

Experimental conditions.

Device Position	Validation plane
Band	5200 MHz
Channels	-
Signal	CW
Frequency (MHz)	5200
Relative permittivity	36.70
Conductivity (S/m)	4.83
Probe	SN 08/21 EPGO352
ConvF	1.33
Crest factor:	1:1



Maximum location: X=1.00, Y=-1.00 ; SAR Peak: 48.42 W/kg

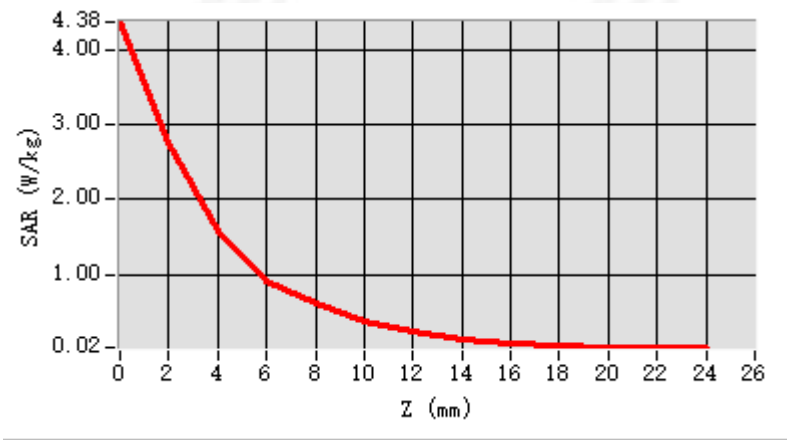
D. SAR 1g & 10g

SAR 10g (W/Kg)	0.551
SAR 1g (W/Kg)	1.549
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	56.905829

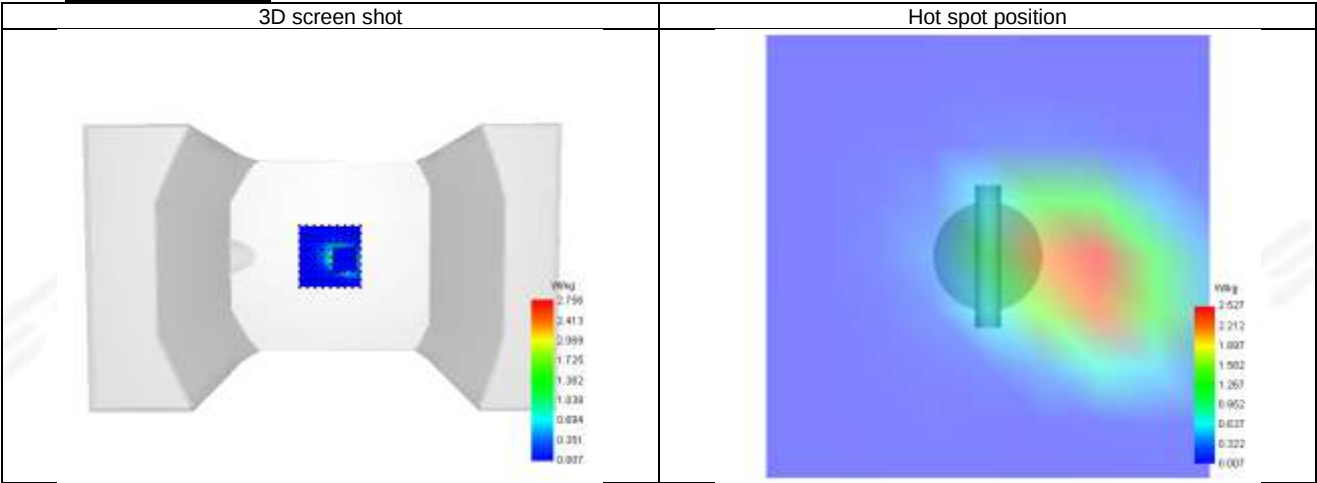


E. Z Axis Scan

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)	4.379	2.756	1.568	0.907	0.603	0.368	0.225	0.137	0.084	0.051	0.031	0.019



F. 3D Image



**System Performance Check Data (5300MHz)**

Type: Dipole measurement (Complete)

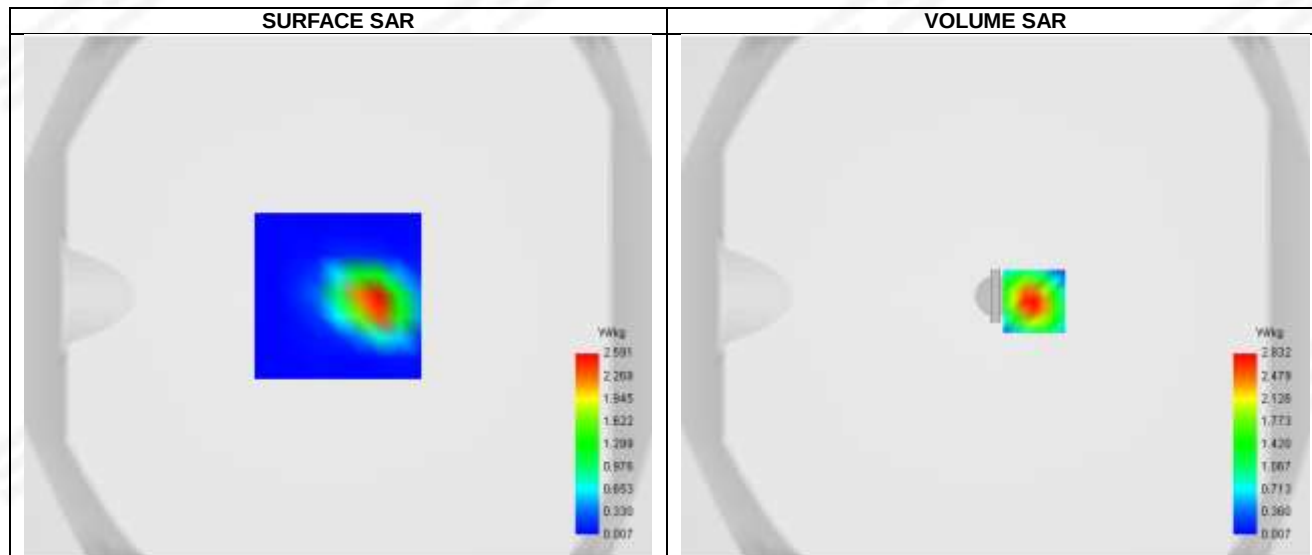
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-06-28

Experimental conditions.

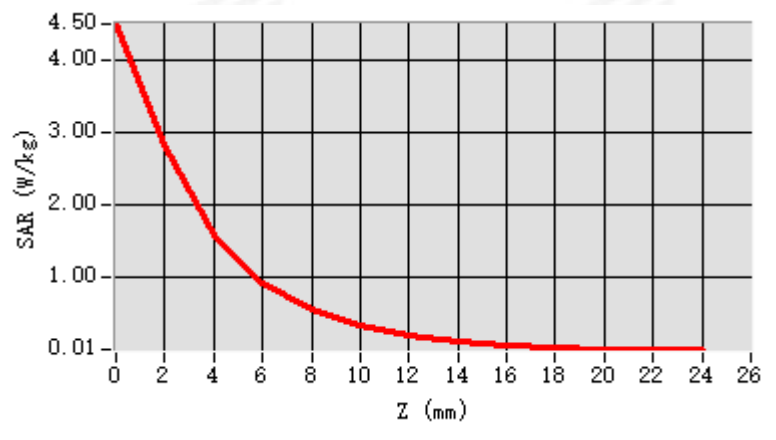
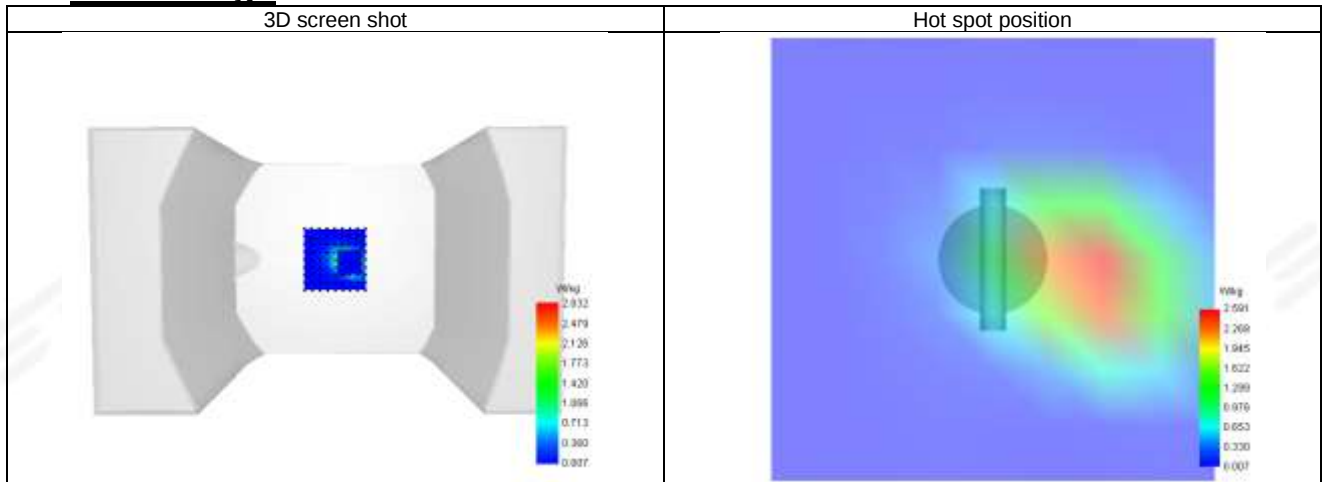
Device Position	Validation plane
Band	5300 MHz
Channels	-
Signal	CW
Frequency (MHz)	5300
Relative permittivity	36.39
Conductivity (S/m)	4.77
Probe	SN 08/21 EPGO352
ConvF	1.31
Crest factor:	1:1

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

SAR 10g (W/Kg)	0.552
SAR 1g (W/Kg)	1.683
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	49.524645

**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)	4.504	2.832	1.605	0.938	0.572	0.338	0.199	0.118	0.070	0.041	0.024	0.014

**F. 3D Image**

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

Type: Dipole measurement (Complete)

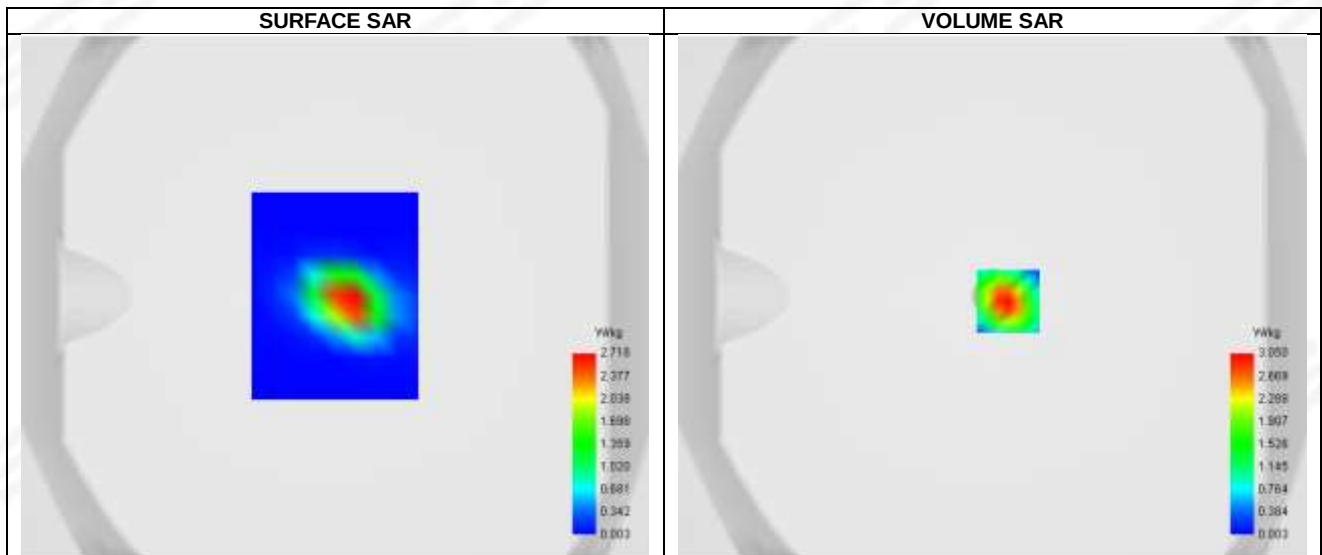
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-06-29

Experimental conditions.

Device Position	Validation plane
Band	5600 MHz
Channels	-
Signal	CW
Frequency (MHz)	5600
Relative permittivity	36.18
Conductivity (S/m)	5.11
Probe	SN 07/21 EPGO352
ConvF	1.24
Crest factor:	1:1

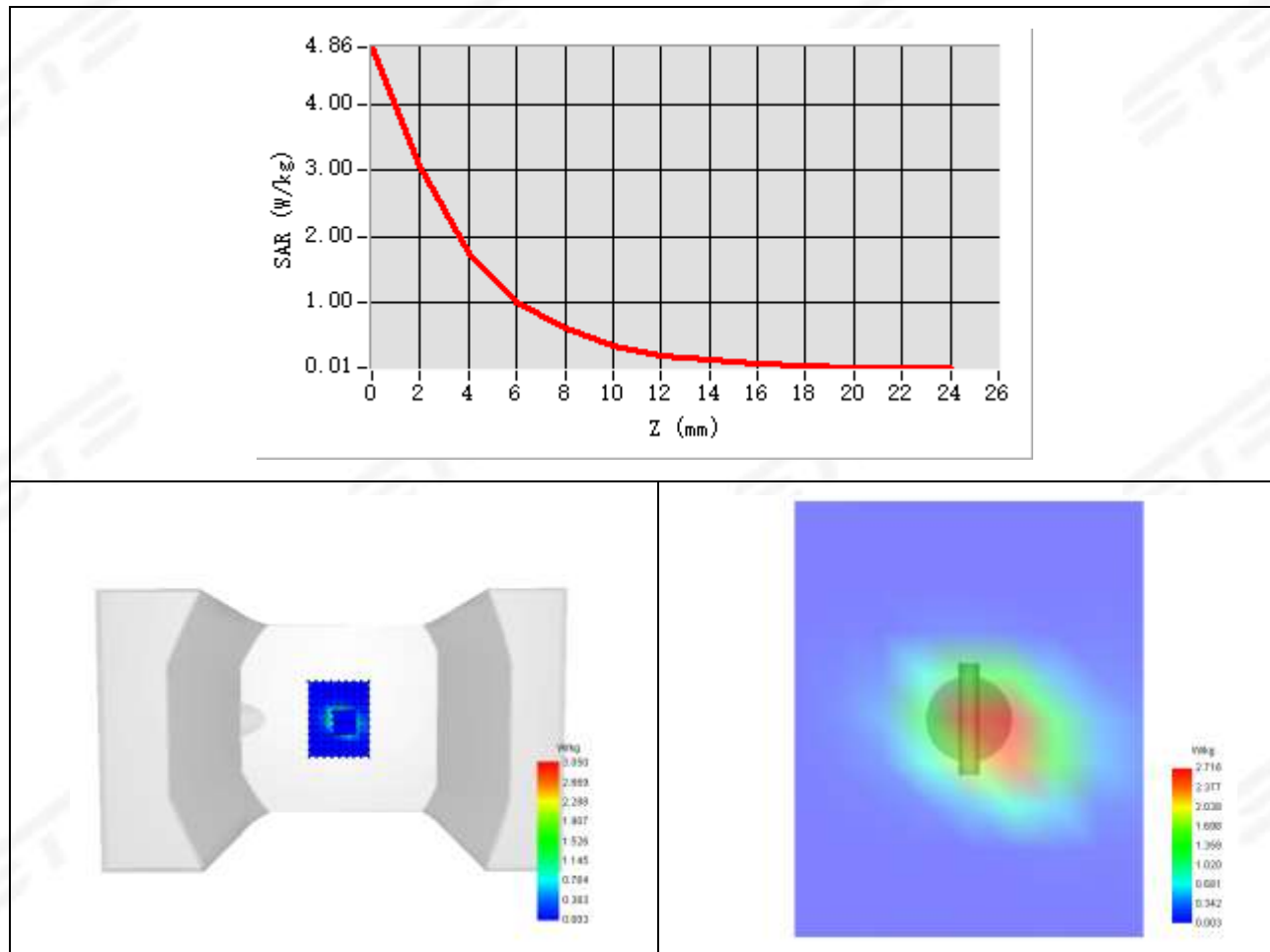


Maximum location: X=6.00, Y=-2.00 ; SAR Peak: 5.05 W/kg

SAR 10g (W/Kg)	0.566
SAR 1g (W/Kg)	1.696
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	57.307136



Z Axis Scan



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

Type: Dipole measurement (Complete)

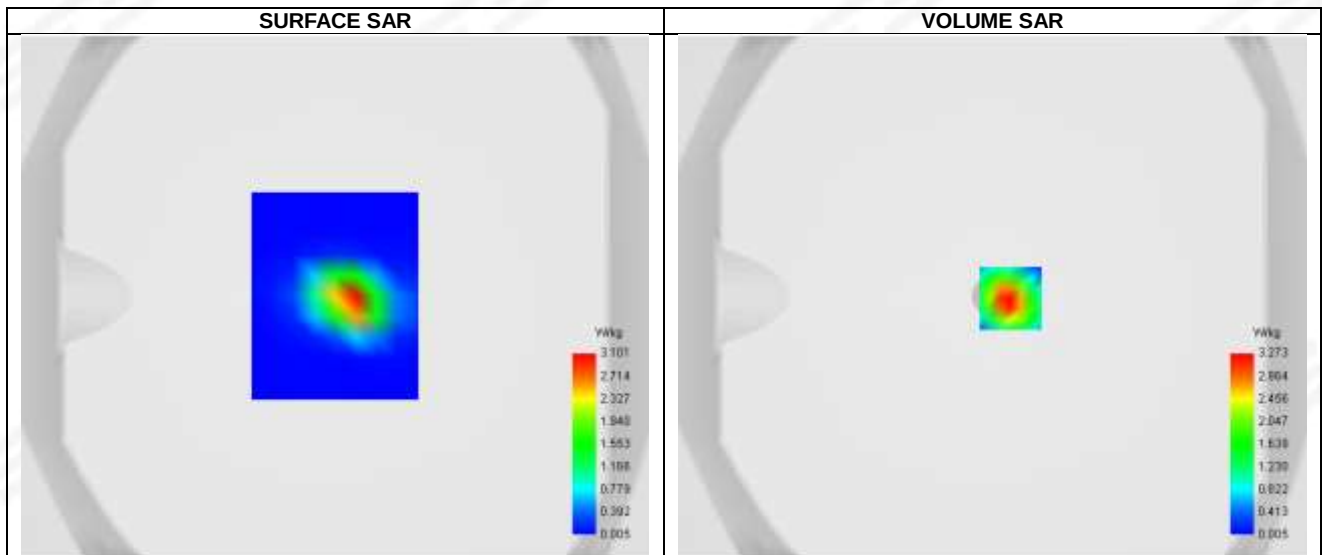
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-06-29

Experimental conditions.

Device Position	Validation plane
Band	5800 MHz
Channels	-
Signal	CW
Frequency (MHz)	5800
Relative permittivity	36.49
Conductivity (S/m)	5.25
Probe	SN 07/21 EPGO352
ConvF	1.64
Crest factor:	1:1

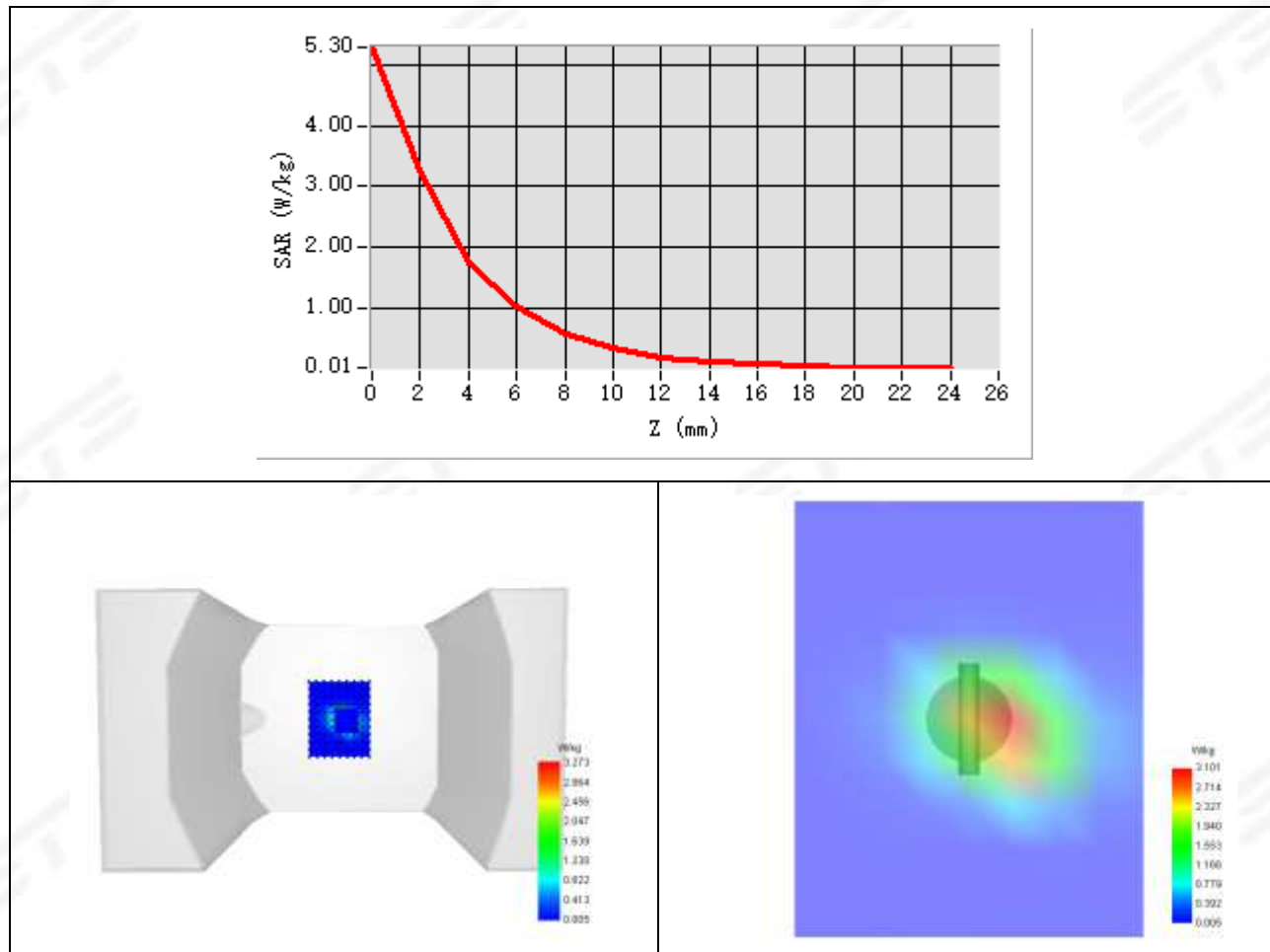


Maximum location: X=7.00, Y=-1.00 ; SAR Peak: 5.94 W/kg

SAR 10g (W/Kg)	0.610
SAR 1g (W/Kg)	1.857
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	52.798926

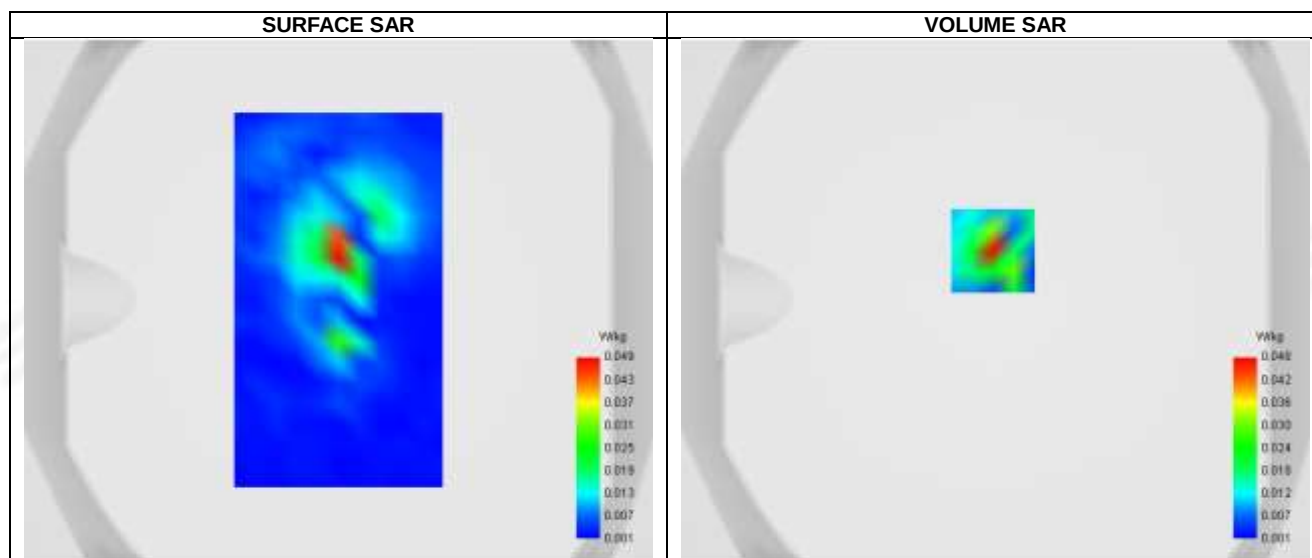


Z Axis Scan



**Appendix B. SAR Test Plots****Plot 1: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,
ConvF	1.80
Phantom	Body
Device Position	Back Side
Band	2.4GHz WLAN_ANT 1
Signal	IEEE802.b (Crest factor: 1.0)
Frequency	2437
Relative permittivity (real part)	40.14
Conductivity (S/m)	1.75



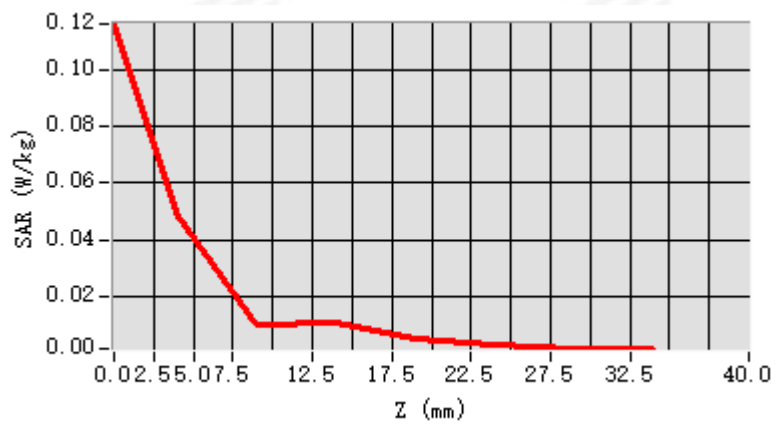
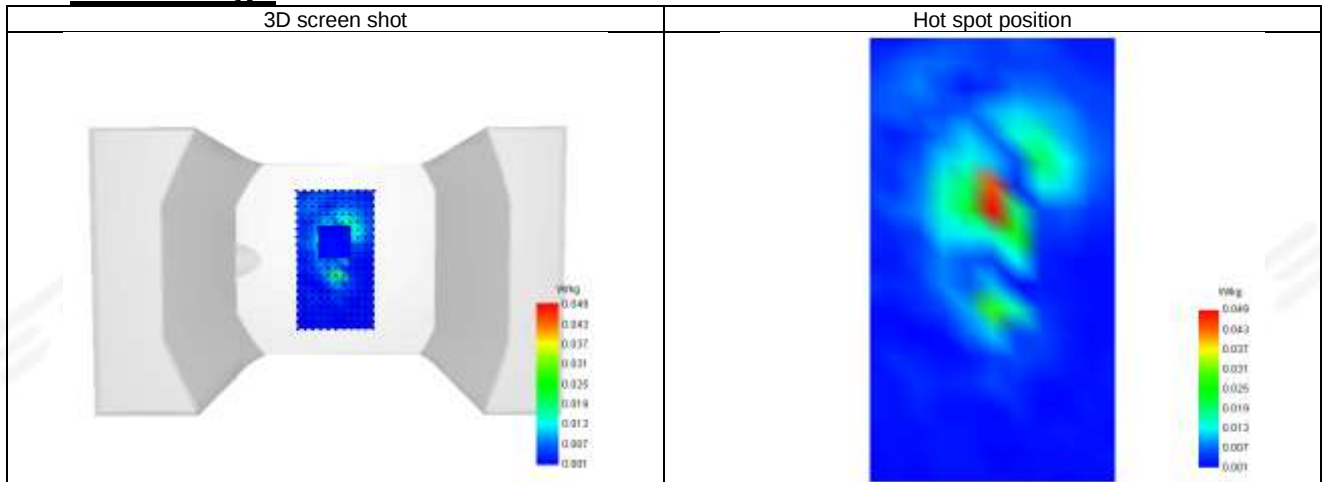
Maximum location: X=-1.00, Y=19.00 ; SAR Peak: 0.11 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.015
SAR 1g (W/Kg)	0.043
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	30.346154

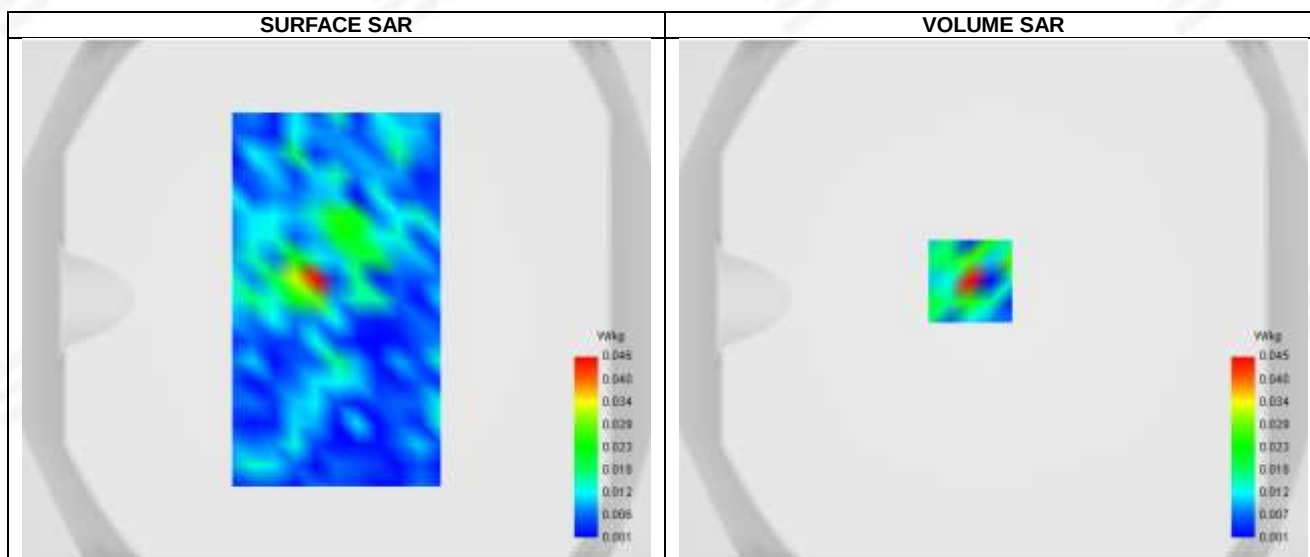
**E. Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.116	0.048	0.009	0.010	0.005	0.003	0.001

**F. 3D Image**

**Plot 2: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,
ConvF	1.80
Phantom	Body
Device Position	Back Side
Band	2.4GHz WLAN_ANT 2
Signal	IEEE802.b (Crest factor: 1.0)
Frequency	2462
Relative permittivity (real part)	40.17
Conductivity (S/m)	1.78



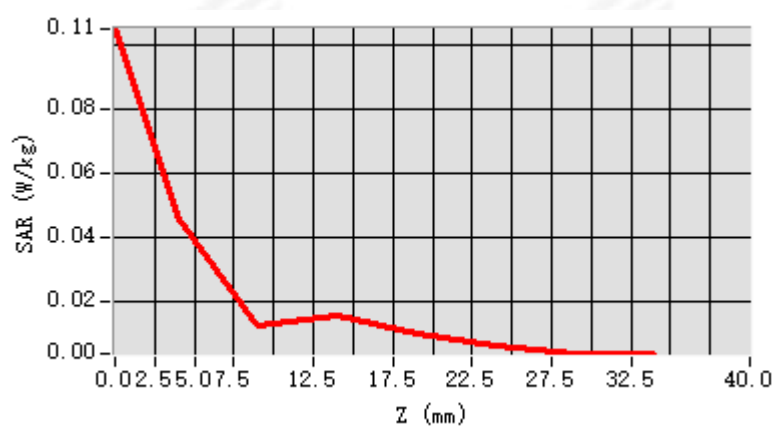
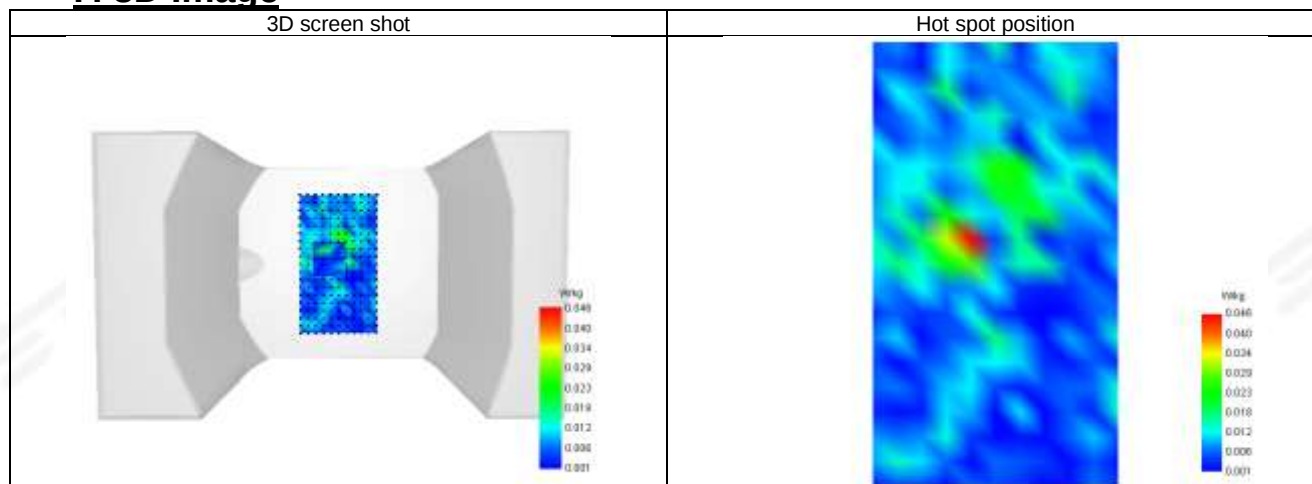
Maximum location: X=31.00, Y=-56.00 ; SAR Peak: 0.26 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.019
SAR 1g (W/Kg)	0.038
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	42.258750

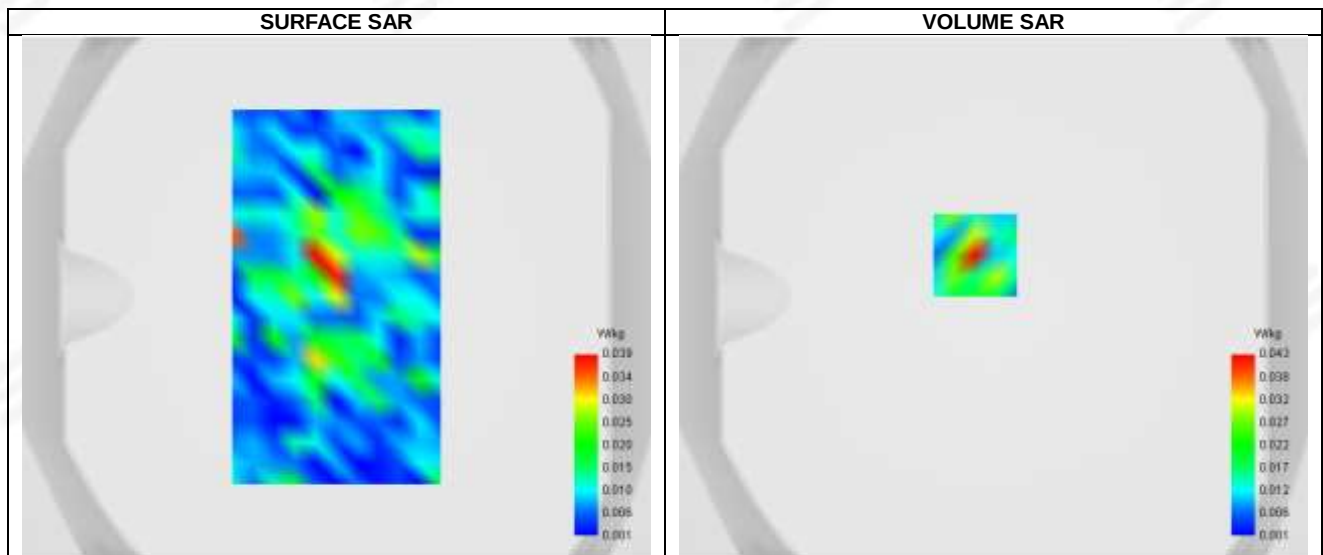
**E. Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.105	0.045	0.013	0.016	0.010	0.006	0.004

**F. 3D Image**

**Plot 3: DUT: INMO AIR3; EUT Model: IMA301**

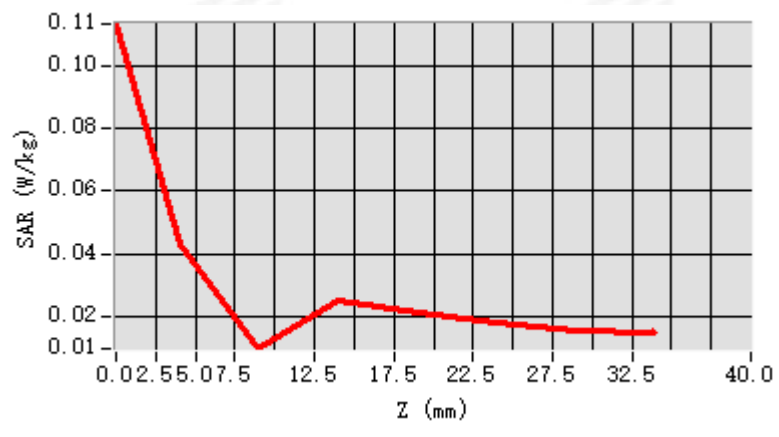
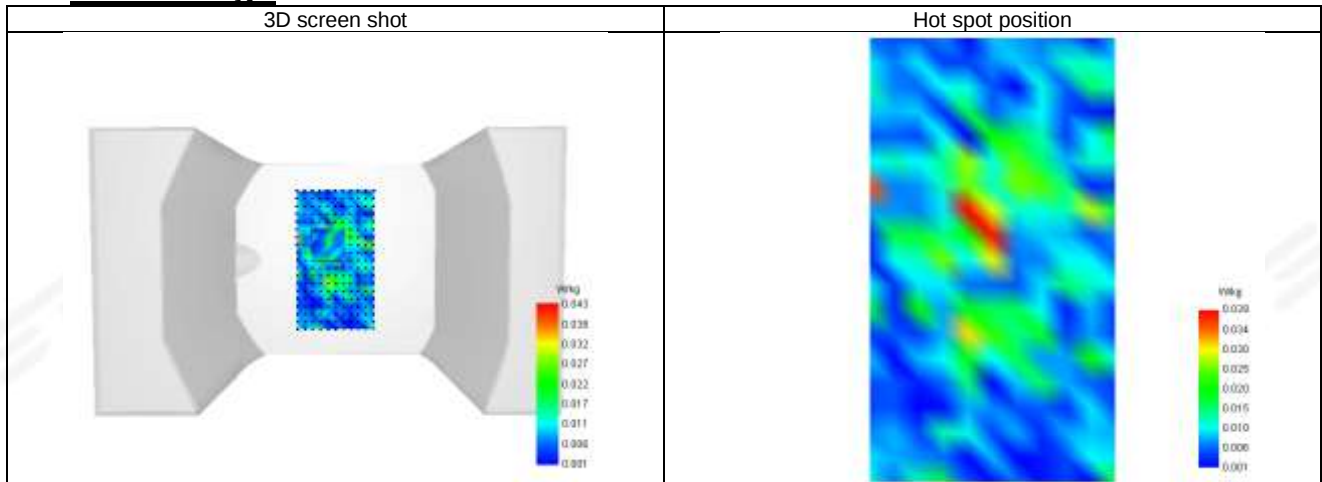
Test Date	2025-06-27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,
ConvF	1.80
Phantom	Body
Device Position	Back Side
Band	2.4GHz WLAN_MIMO_ANT 1
Signal	IEEE802.11 n-HT40 (Crest factor: 1.0)
Frequency	2452
Relative permittivity (real part)	39.52
Conductivity (S/m)	1.86

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

SAR 10g (W/Kg)	0.017
SAR 1g (W/Kg)	0.041
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	59.445330

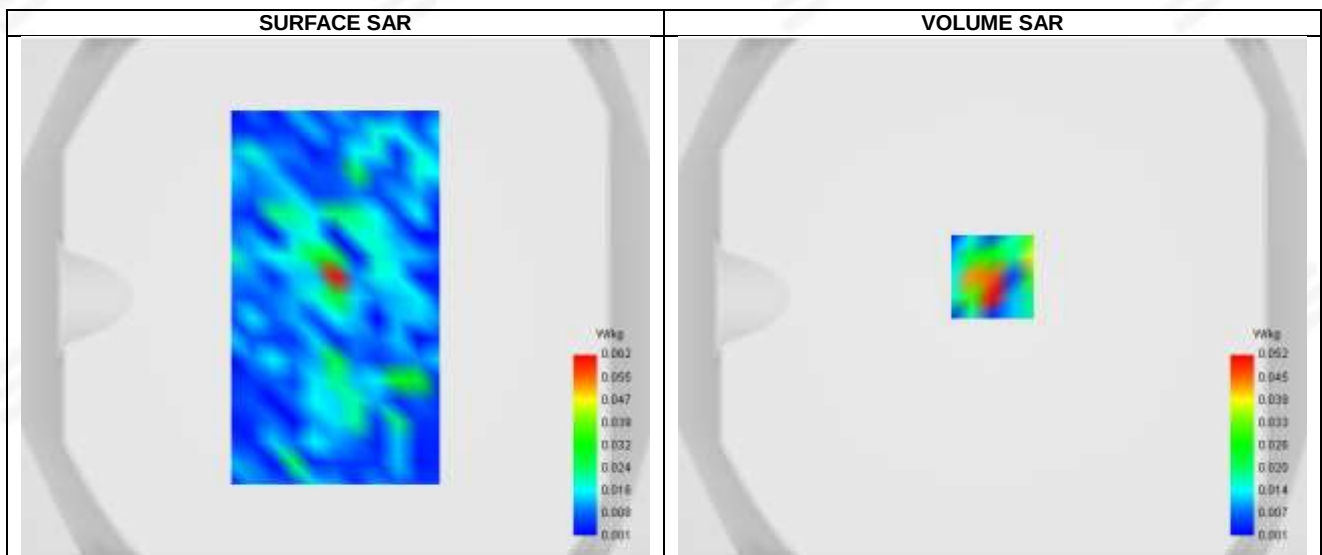
**E. Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.113	0.043	0.010	0.025	0.021	0.018	0.016

**F. 3D Image**

**Plot 4: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,
ConvF	1.80
Phantom	Body
Device Position	Back Side
Band	2.4GHz WLAN_MIMO_ANT 1
Signal	IEEE802.11 n-HT40 (Crest factor: 1.0)
Frequency	2452
Relative permittivity (real part)	39.52
Conductivity (S/m)	1.86



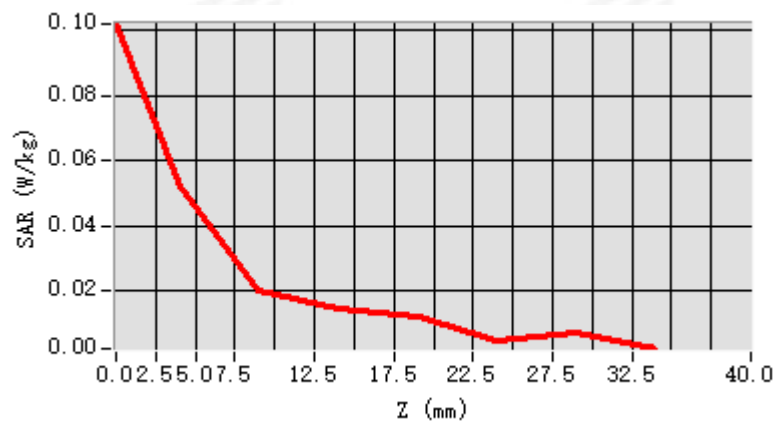
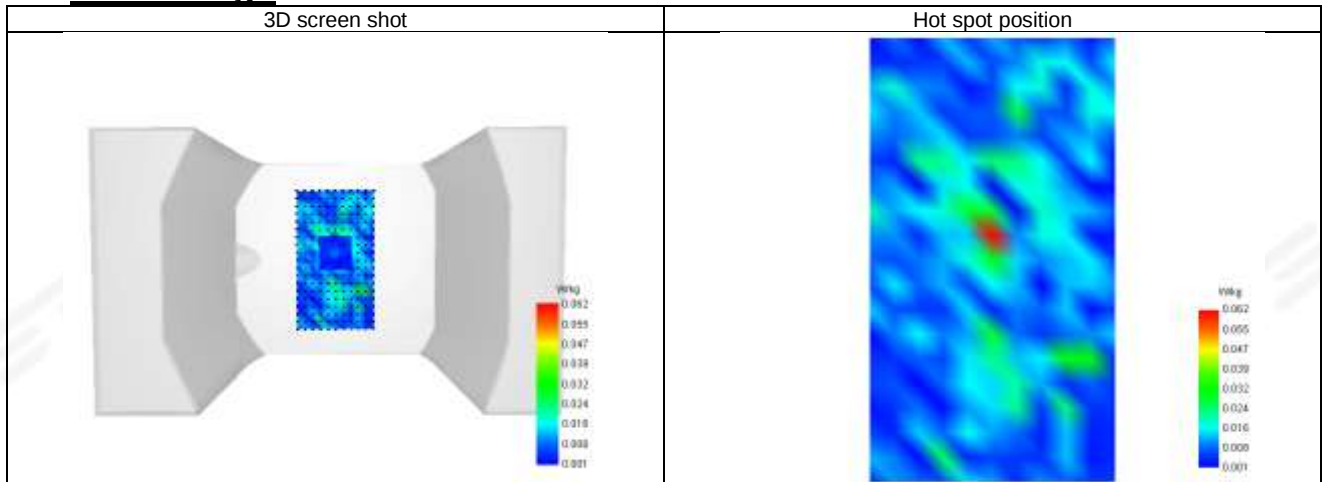
Maximum location: X=0.00, Y=8.00 ; SAR Peak: 0.13 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.018
SAR 1g (W/Kg)	0.055
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	48.208498

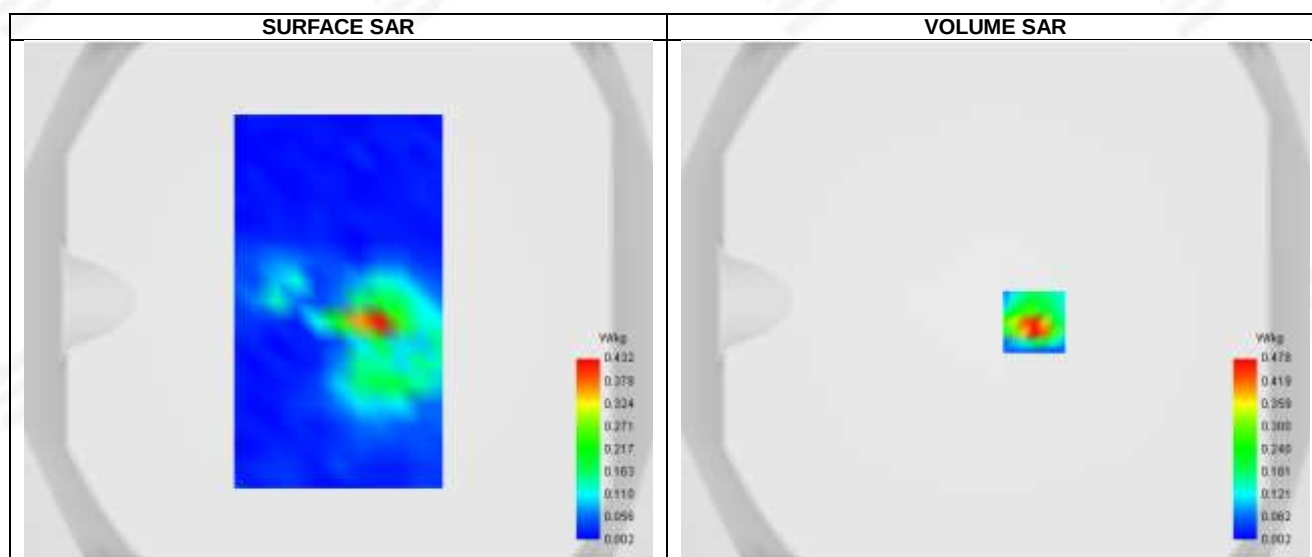
**E. Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.102	0.052	0.020	0.014	0.012	0.004	0.007

**F. 3D Image**

**Plot 5: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-28
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.33
Phantom	Body
Device Position	Back Side
Band	5.2G WLAN_ANT 1
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency	5180
Relative permittivity (real part)	36.79
Conductivity (S/m)	4.71



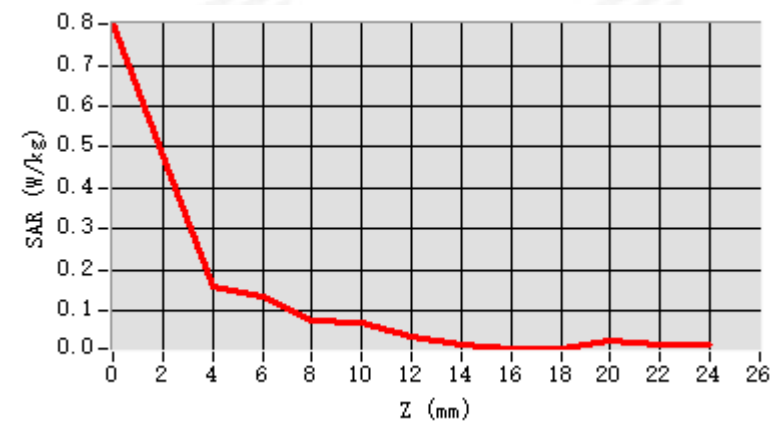
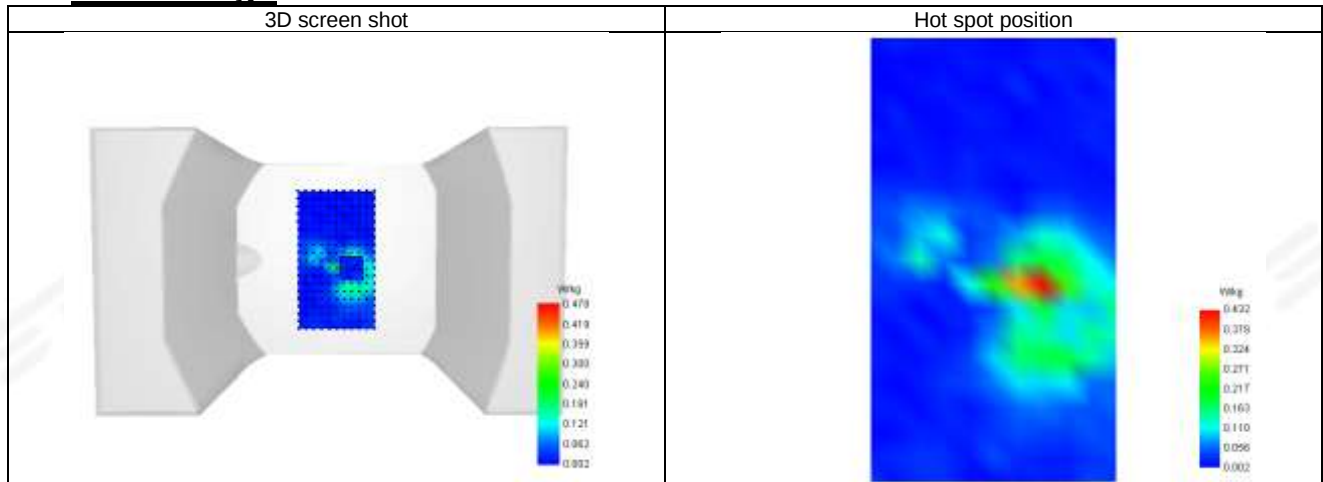
Maximum location: X=15.00, Y=-8.00 ; SAR Peak: 0.90 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.079
SAR 1g (W/Kg)	0.256
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	55.569954

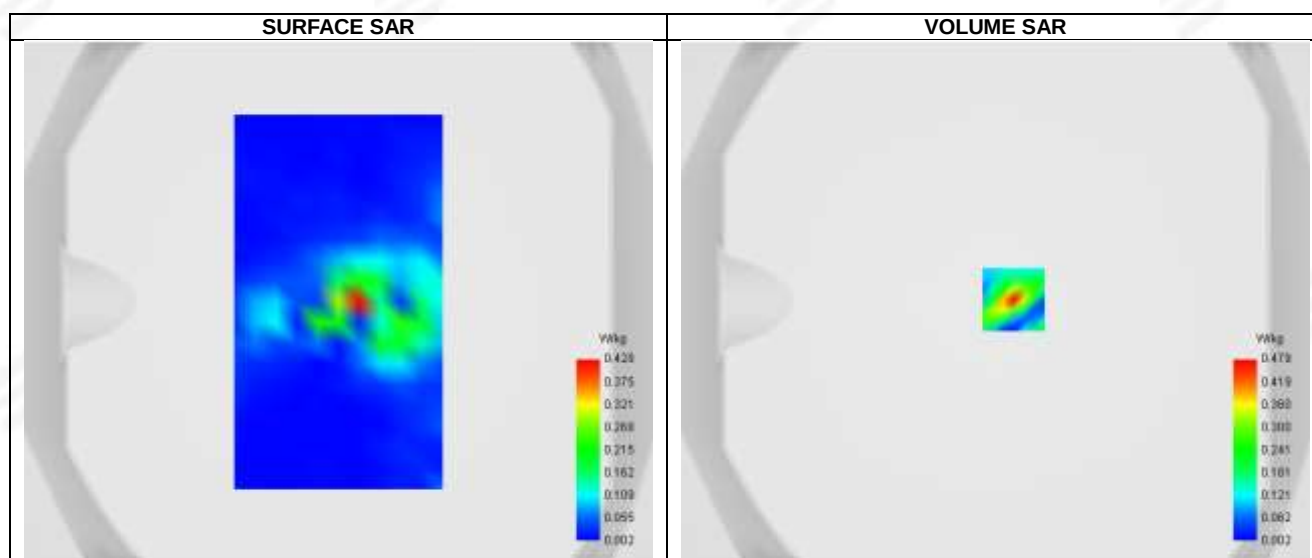
**E. Z Axis Scan**

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)	0.801	0.478	0.159	0.136	0.076	0.073	0.038	0.018	0.008	0.008	0.027	0.018

**F. 3D Image**

**Plot 6: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-28
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.33
Phantom	Body
Device Position	Back Side
Band	5.2G WLAN_ANT 2
Signal	802.11a (Crest factor: 1.0)
Frequency	5240
Relative permittivity (real part)	36.11
Conductivity (S/m)	4.73



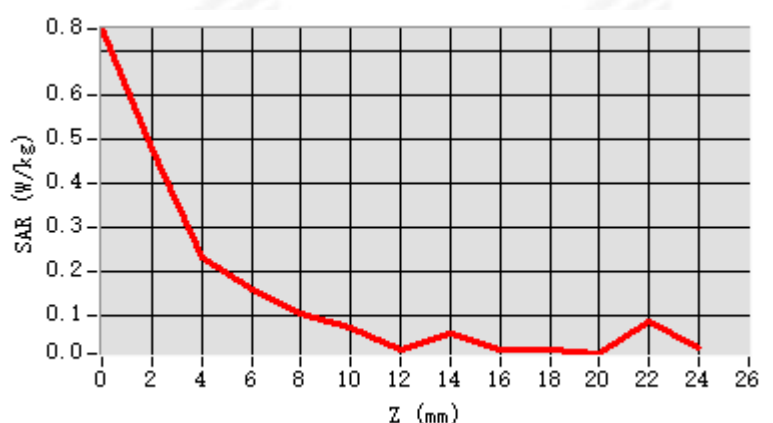
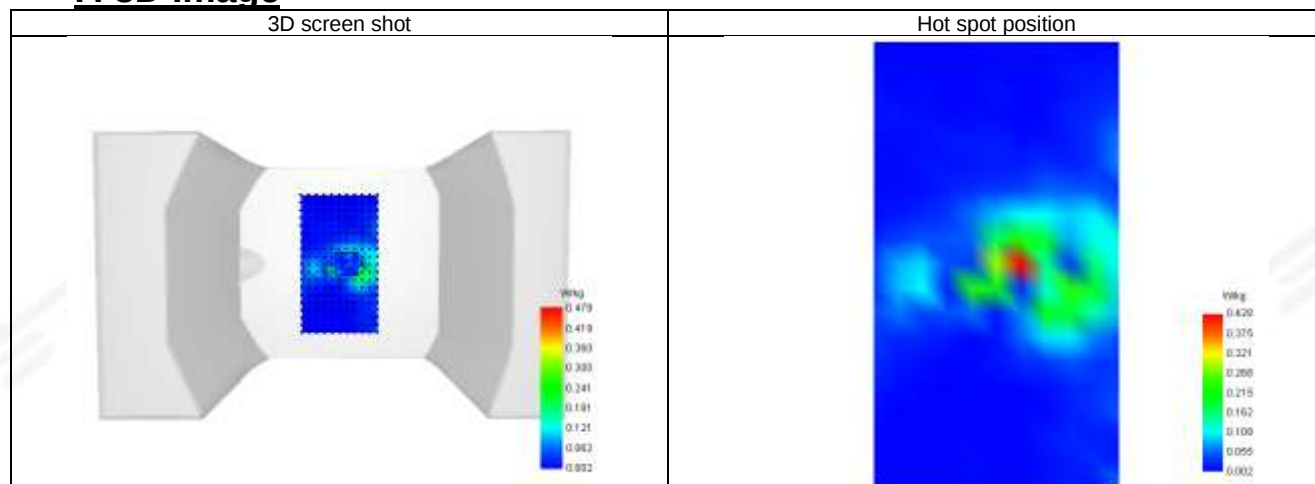
Maximum location: X=7.00, Y=1.00 ; SAR Peak: 0.88 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.076
SAR 1g (W/Kg)	0.232
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	48.158751

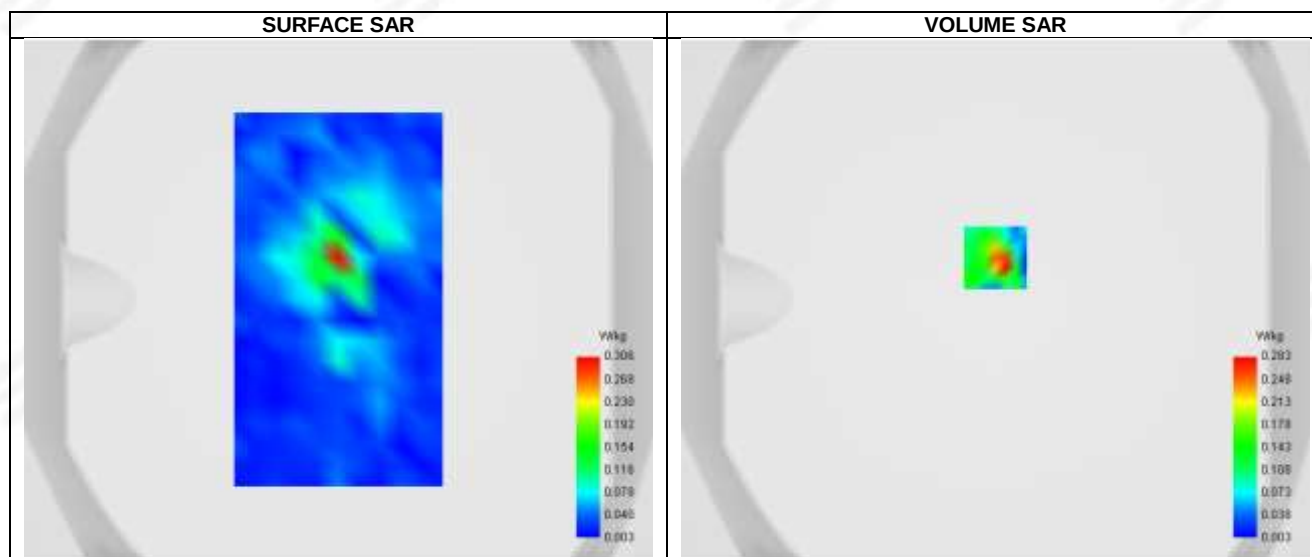
**E. Z Axis Scan**

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)	0.751	0.479	0.229	0.157	0.103	0.072	0.023	0.057	0.020	0.022	0.012	0.085

**F. 3D Image**

**Plot 7: DUT: INMO AIR3; EUT Model: IMA301**

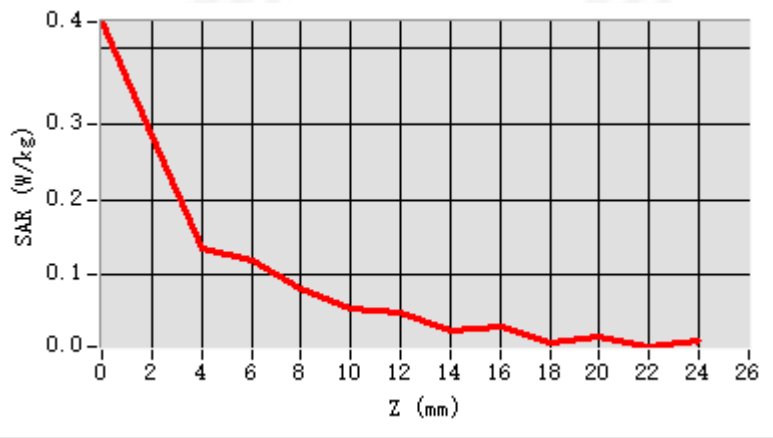
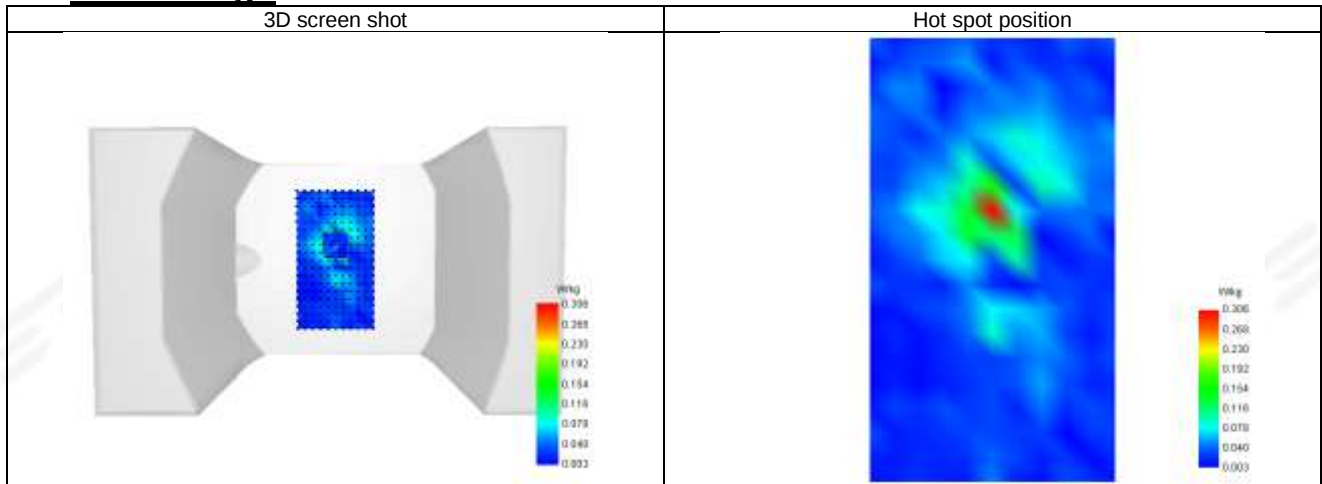
Test Date	2025-06-28
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.33
Phantom	Body
Device Position	Back Side
Band	5.2G WLAN_MIMO_ANT 1
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency	5180
Relative permittivity (real part)	36.79
Conductivity (S/m)	4.71

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

SAR 10g (W/Kg)	0.074
SAR 1g (W/Kg)	0.190
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	60.008848

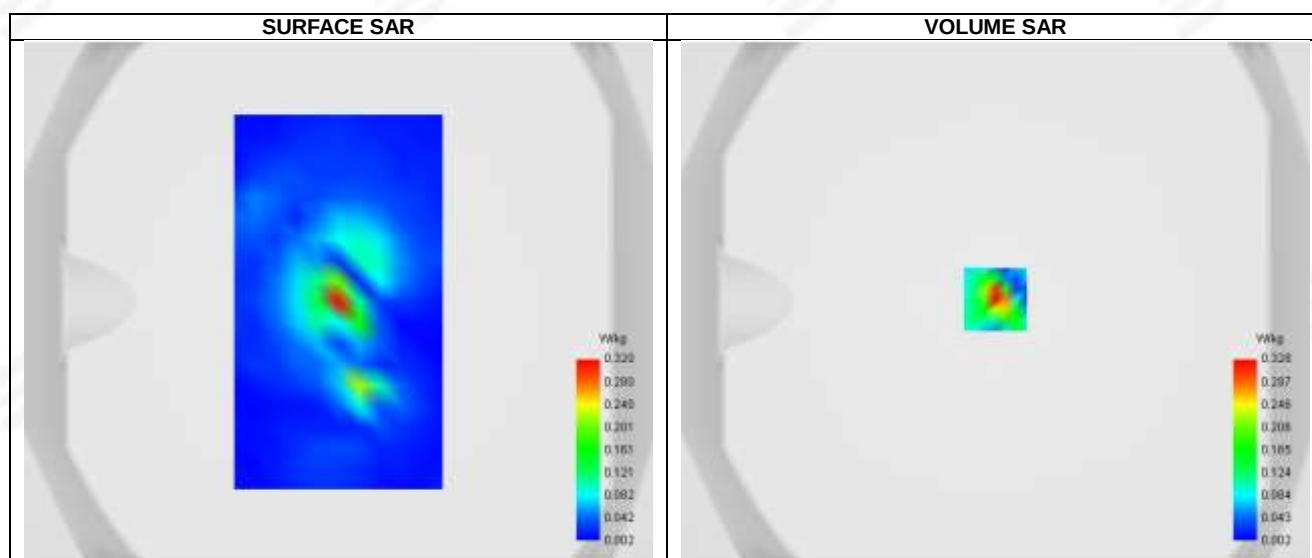
**E. Z Axis Scan**

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	0.283	0.135	0.120	0.084	0.056	0.052	0.027	0.032	0.012	0.020	0.006

**F. 3D Image**

**Plot 8: DUT: INMO AIR3; EUT Model: IMA301**

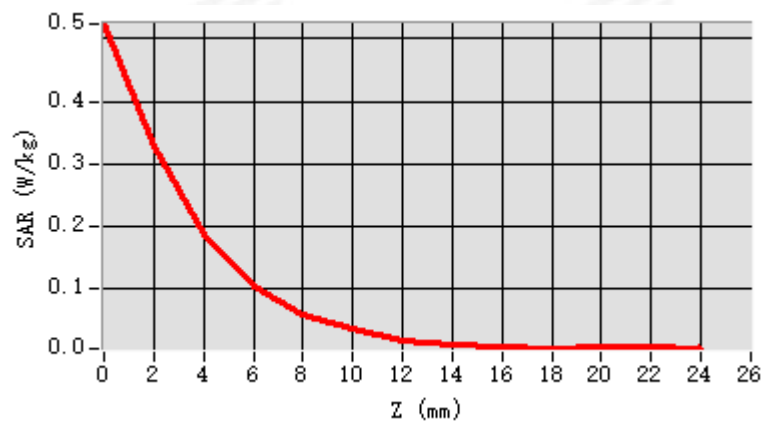
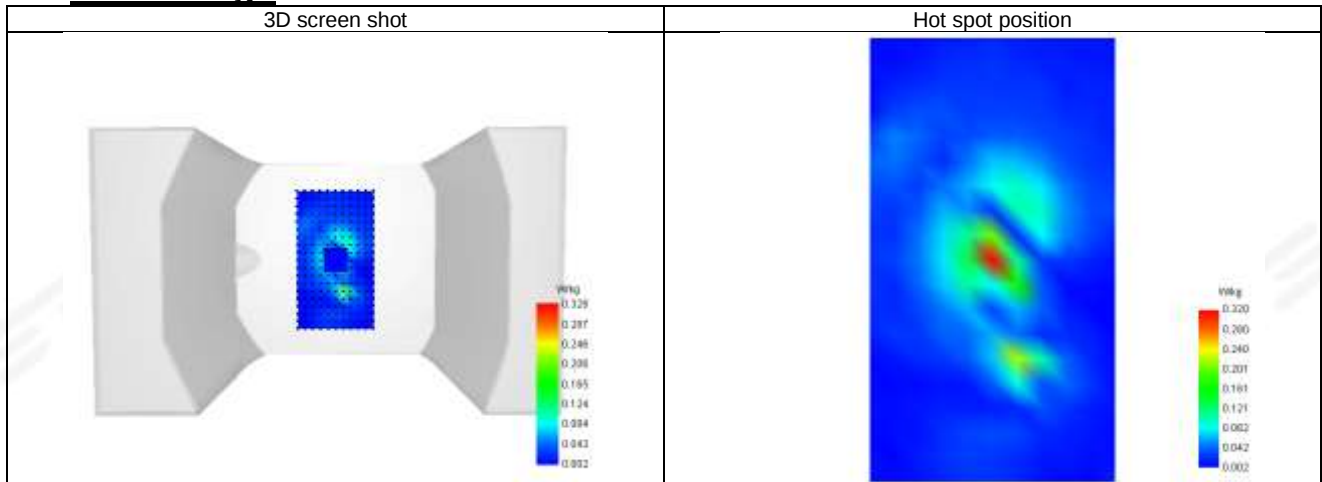
Test Date	2025-06-28
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.33
Phantom	Body
Device Position	Back Side
Band	5.2G WLAN_MIMO_ANT 2
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency	5180
Relative permittivity (real part)	36.79
Conductivity (S/m)	4.71

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

SAR 10g (W/Kg)	0.048
SAR 1g (W/Kg)	0.162
Horizontal validation criteria: minimum distance (mm)	8.795611
Vertical validation criteria: SAR ratio M2/M1 (%)	57.294675

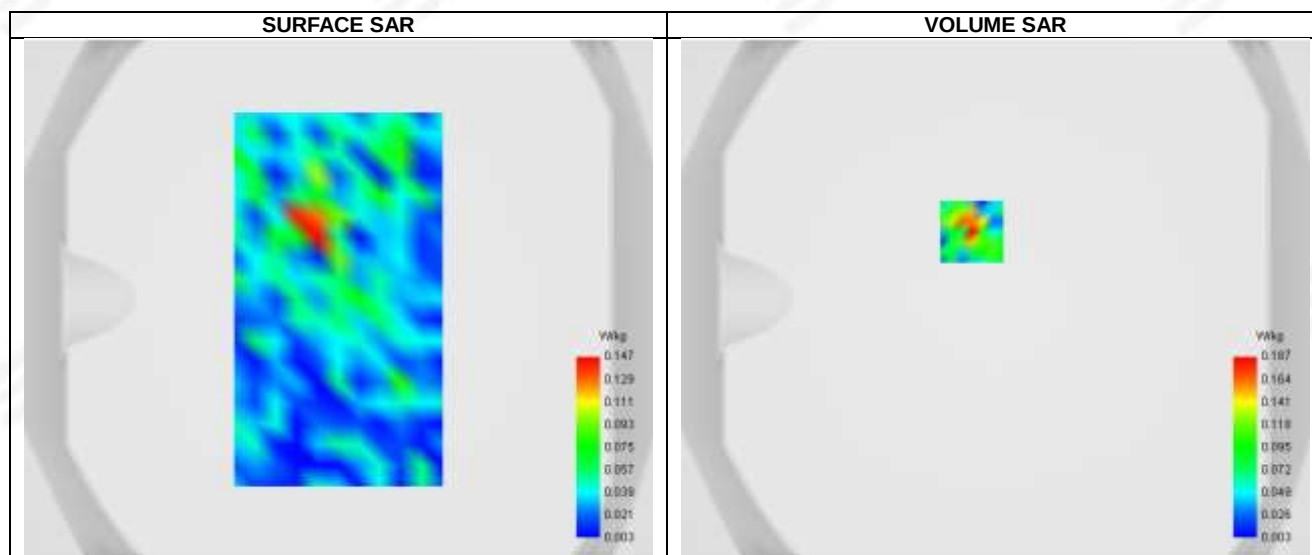
**E. Z Axis Scan**

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)	0.524	0.328	0.188	0.102	0.059	0.035	0.017	0.011	0.008	0.005	0.007	0.008

**F. 3D Image**

**Plot 9: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-28
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.31
Phantom	Body
Device Position	Back Side
Band	5.3G WLAN_ANT 1
Signal	802.11a (Crest factor: 1.0)
Frequency	5320
Relative permittivity (real part)	36.58
Conductivity (S/m)	4.79



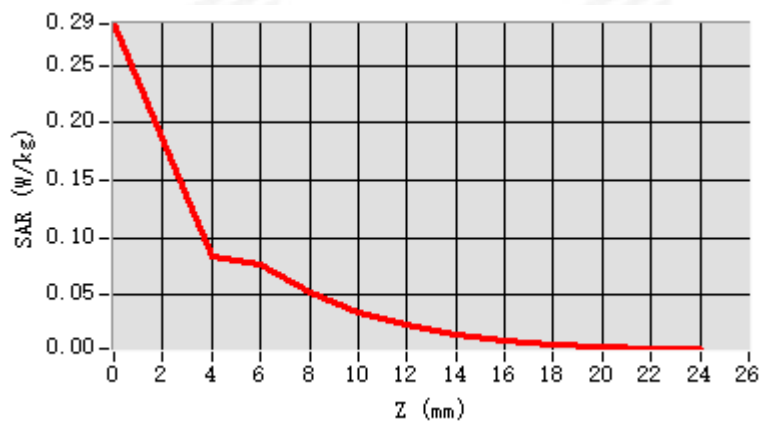
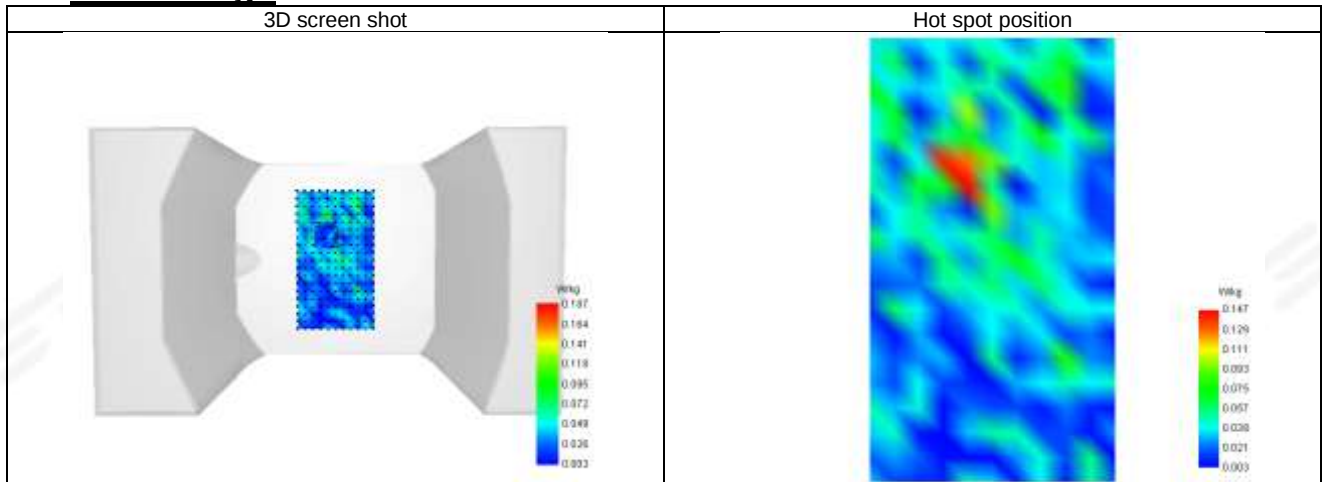
Maximum location: X=-9.00, Y=26.00 ; SAR Peak: 0.42 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.052
SAR 1g (W/Kg)	0.115
Horizontal validation criteria: minimum distance (mm)	9.551451
Vertical validation criteria: SAR ratio M2/M1 (%)	58.586123

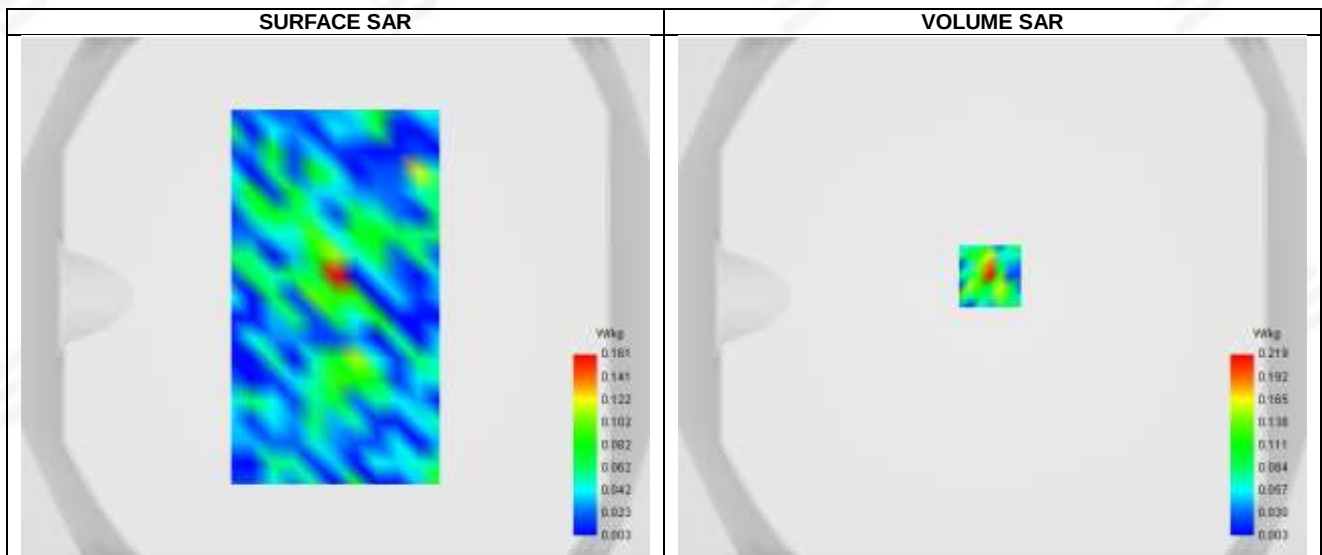
**E. Z Axis Scan**

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)	0.286	0.187	0.083	0.077	0.052	0.036	0.024	0.016	0.011	0.008	0.005	0.004

**F. 3D Image**

**Plot 10: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-28
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.31
Phantom	Body
Device Position	Back Side
Band	5.3G WLAN_ANT 2
Signal	802.11a (Crest factor: 1.0)
Frequency	5320
Relative permittivity (real part)	36.58
Conductivity (S/m)	4.79



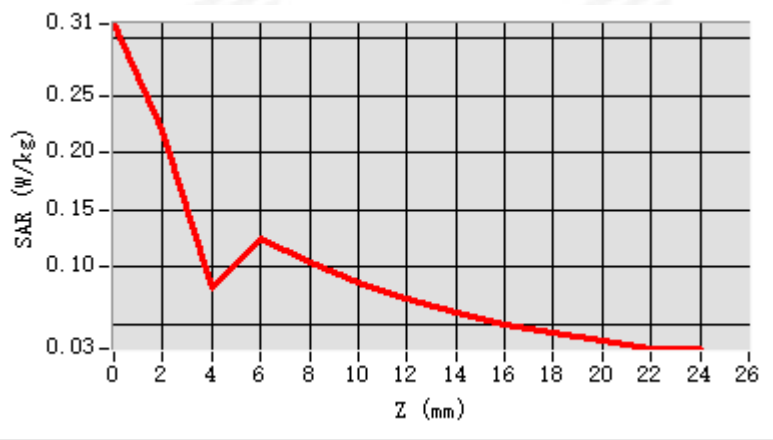
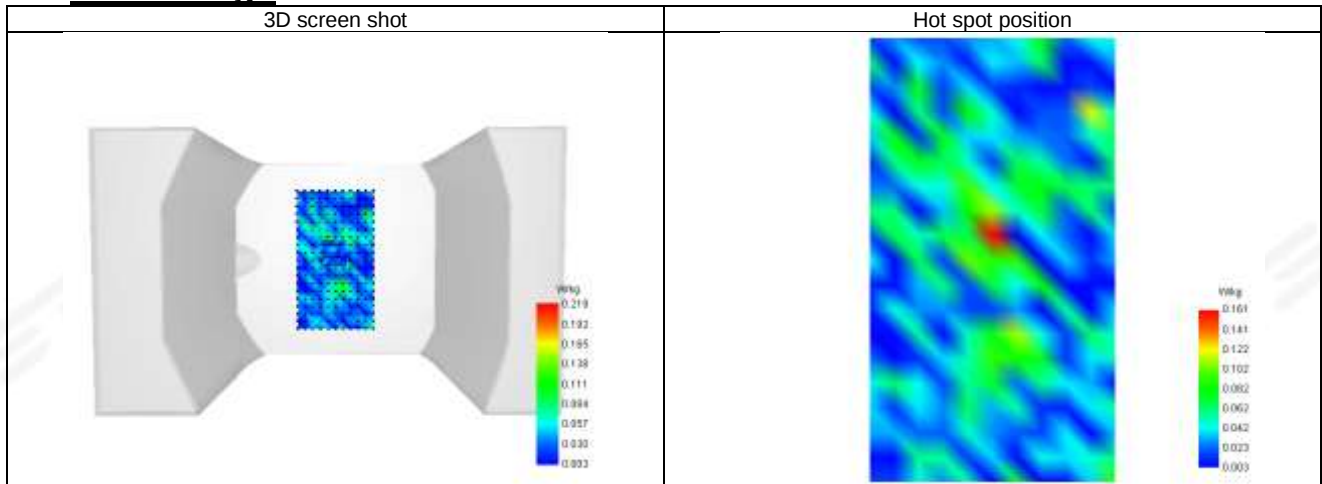
Maximum location: X=-1.00, Y=8.00 ; SAR Peak: 0.58 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.057
SAR 1g (W/Kg)	0.137
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	59.613674

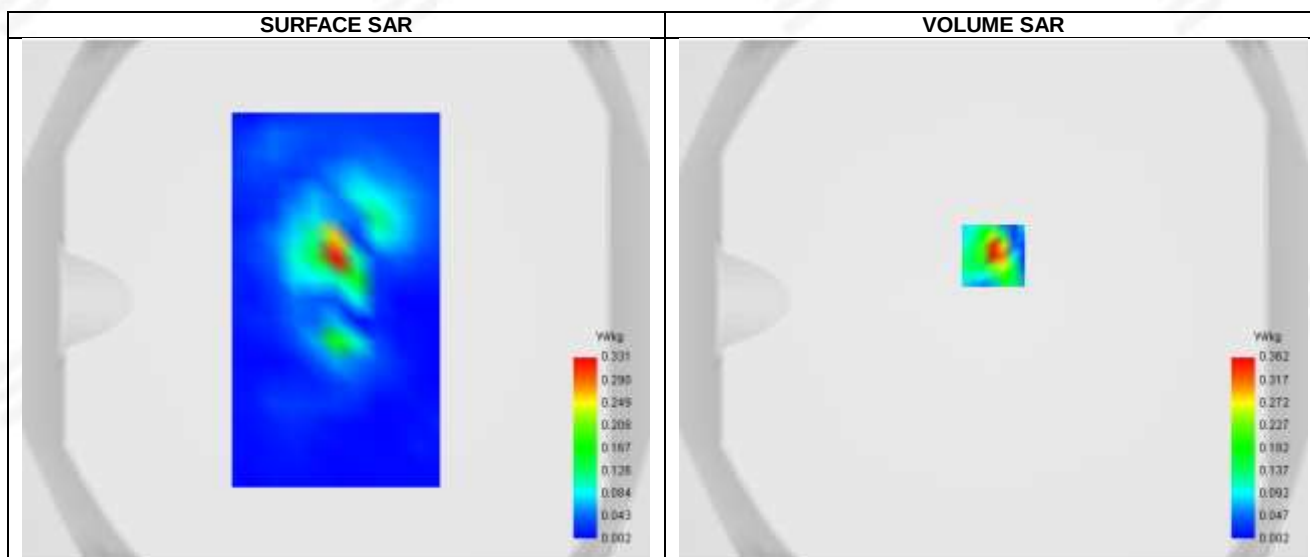
**E. Z Axis Scan**

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)	0.312	0.219	0.081	0.124	0.104	0.087	0.073	0.061	0.051	0.042	0.035	0.029

**F. 3D Image**

**Plot 11: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-28
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.31
Phantom	Body
Device Position	Back Side
Band	5.3G WLAN_MIMO_ANT 1
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency	5320
Relative permittivity (real part)	36.58
Conductivity (S/m)	4.79



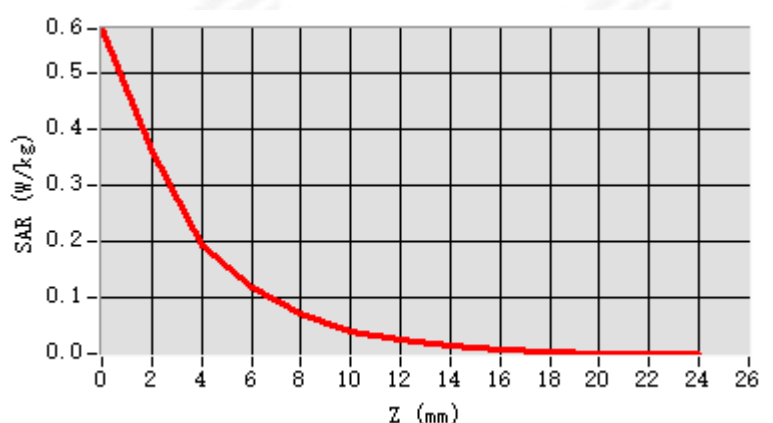
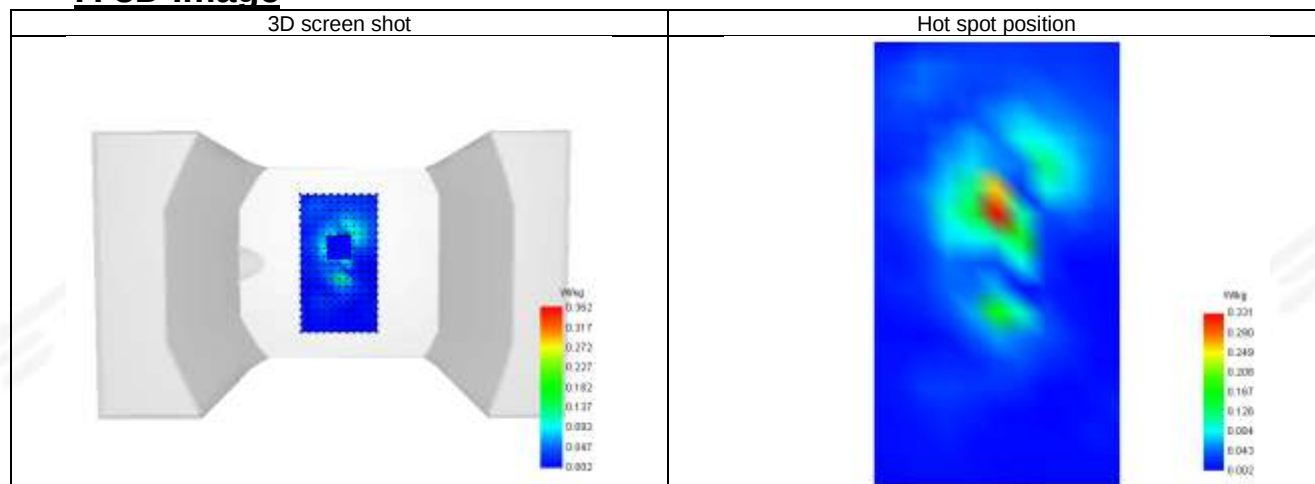
Maximum location: X=0.00, Y=17.00 ; SAR Peak: 0.69 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.060
SAR 1g (W/Kg)	0.200
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	53.453630

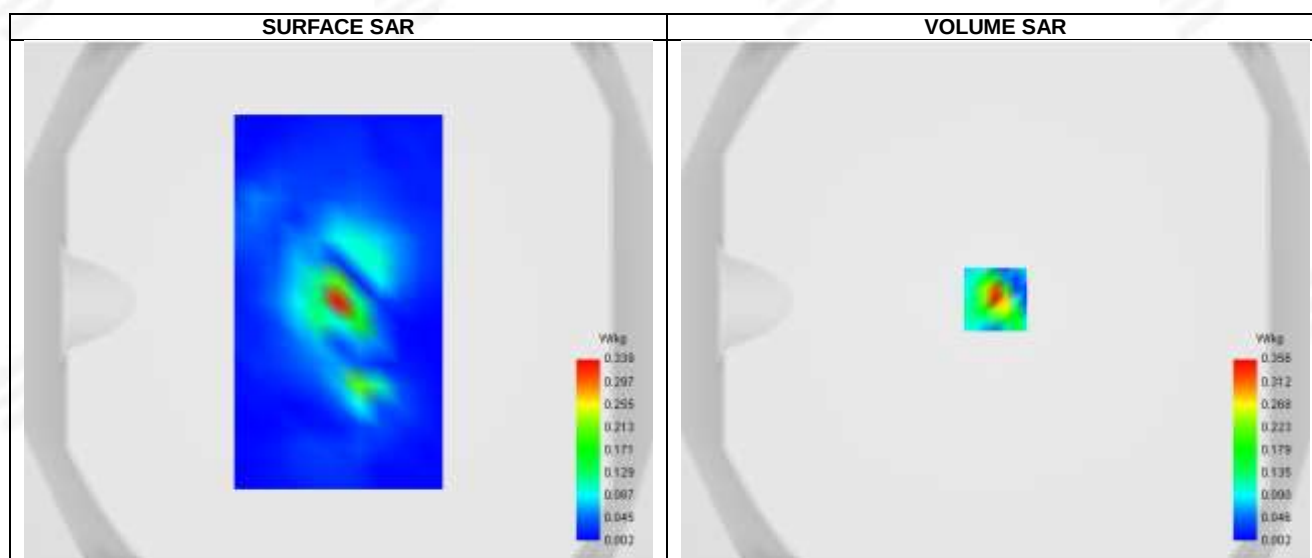
**E. Z Axis Scan**

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)	0.580	0.362	0.193	0.118	0.072	0.043	0.025	0.015	0.009	0.005	0.003	0.002

**F. 3D Image**

**Plot 12: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-28
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.31
Phantom	Body
Device Position	Back Side
Band	5.3G WLAN_MIMO_ANT 2
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency	5320
Relative permittivity (real part)	36.58
Conductivity (S/m)	4.79



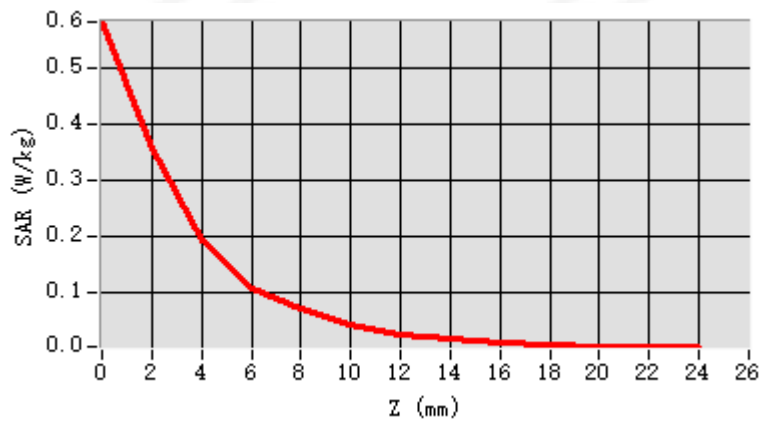
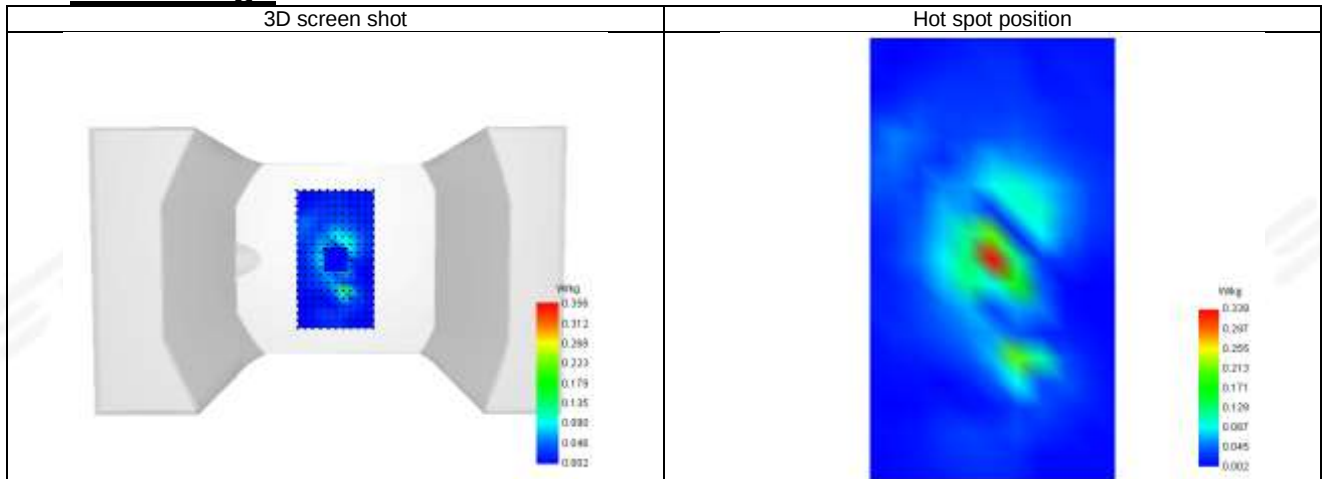
Maximum location: X=0.00, Y=1.00 ; SAR Peak: 0.66 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.057
SAR 1g (W/Kg)	0.183
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	54.096545

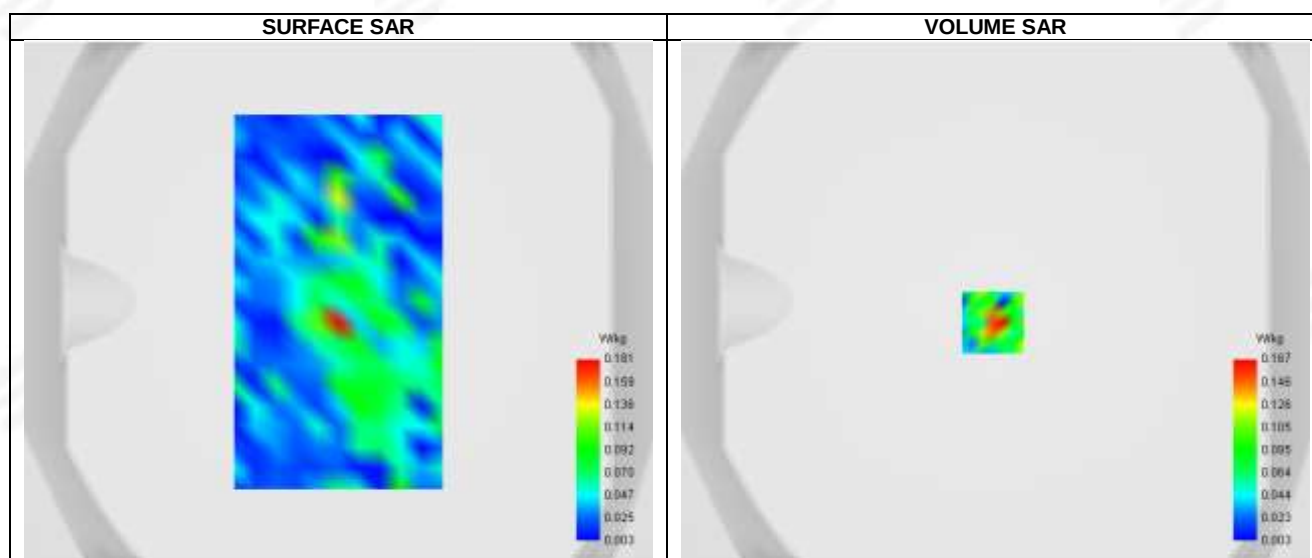
**E. Z Axis Scan**

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)	0.580	0.356	0.193	0.105	0.071	0.042	0.025	0.015	0.009	0.005	0.003	0.002

**F. 3D Image**

**Plot 13: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-29
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.24
Phantom	Body
Device Position	Back Side
Band	5.6GHz WLAN_ANT 1
Signal	802.11a (Crest factor: 1.0)
Frequency	5580
Relative permittivity (real part)	36.38
Conductivity (S/m)	5.07



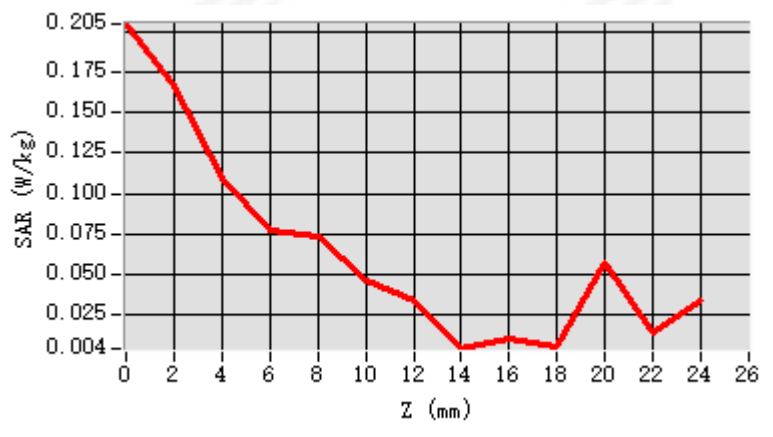
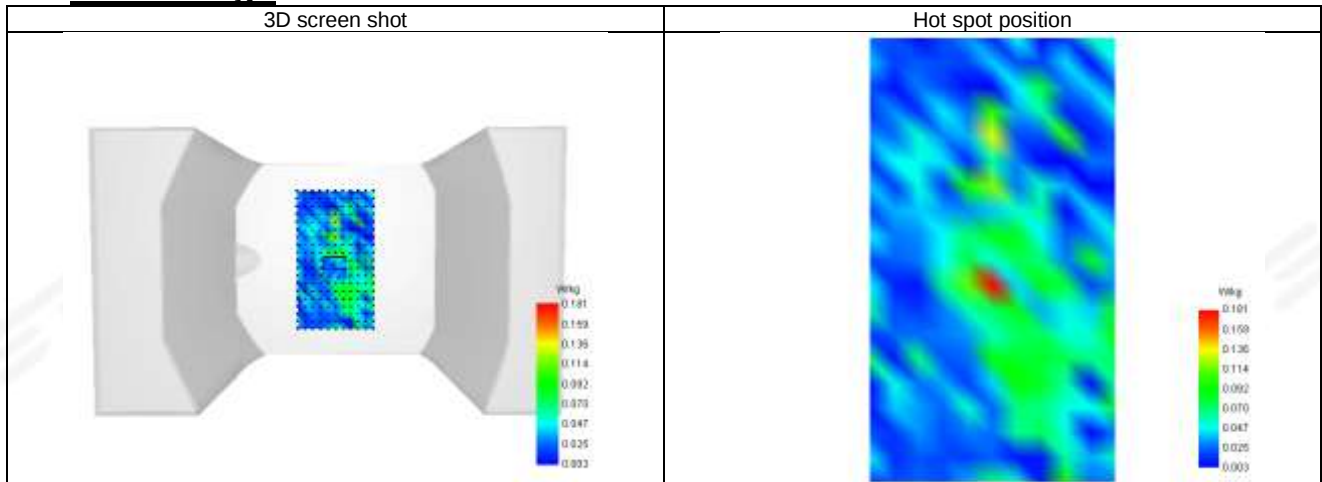
Maximum location: X=-1.00, Y=-8.00 ; SAR Peak: 0.49 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.043
SAR 1g (W/Kg)	0.102
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	78.728323

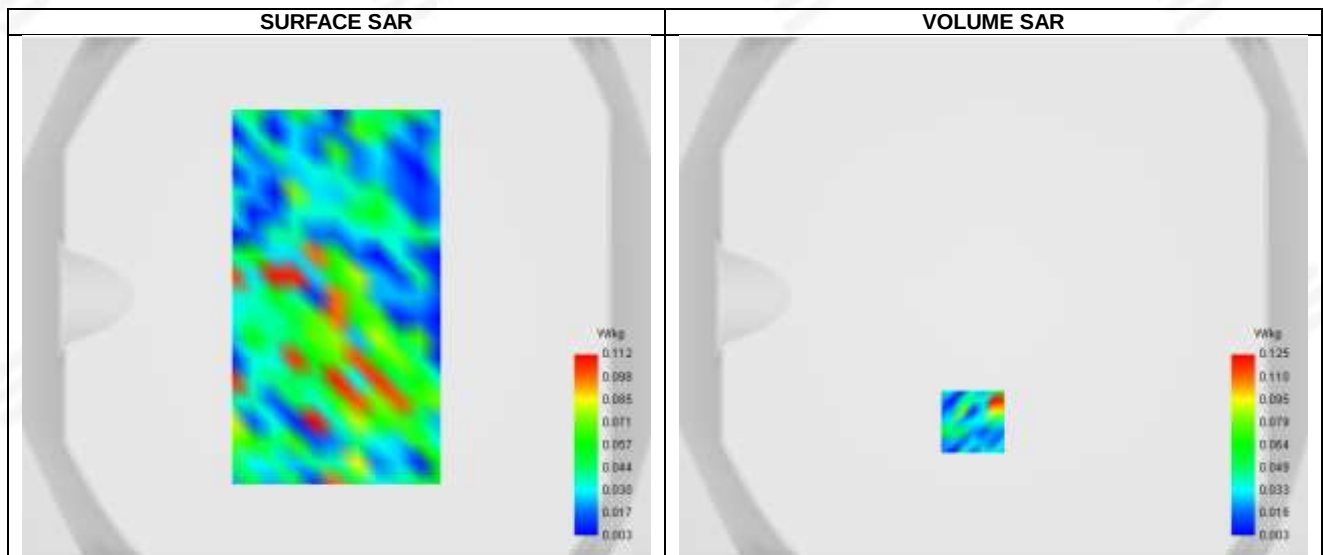
**E. Z Axis Scan**

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)	0.205	0.167	0.109	0.077	0.073	0.046	0.033	0.004	0.011	0.005	0.057	0.014

**F. 3D Image**

**Plot 14: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-29
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.24
Phantom	Body
Device Position	Back Side
Band	5.6GHz WLAN_ANT 2
Signal	802.11 a (Crest factor: 1.0)
Frequency	5580
Relative permittivity (real part)	36.38
Conductivity (S/m)	5.07



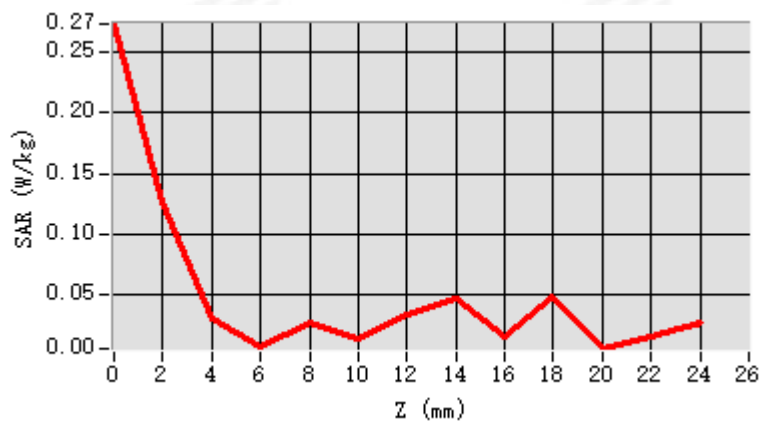
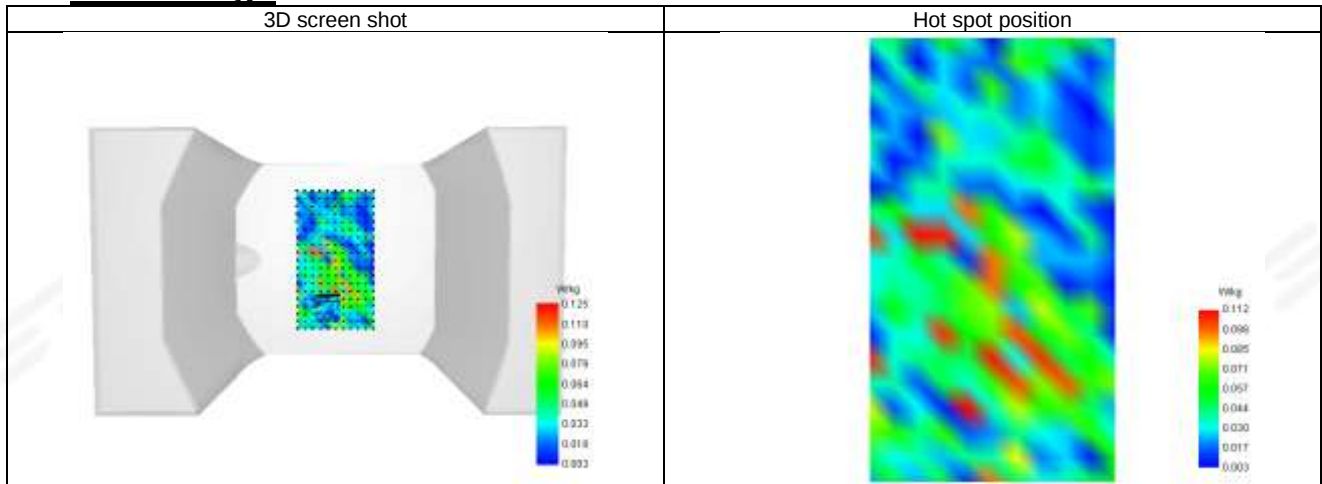
Maximum location: X=-8.00, Y=-48.00 ; SAR Peak: 0.45 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.023
SAR 1g (W/Kg)	0.070
Horizontal validation criteria: minimum distance (mm)	5.623144
Vertical validation criteria: SAR ratio M2/M1 (%)	54.239426

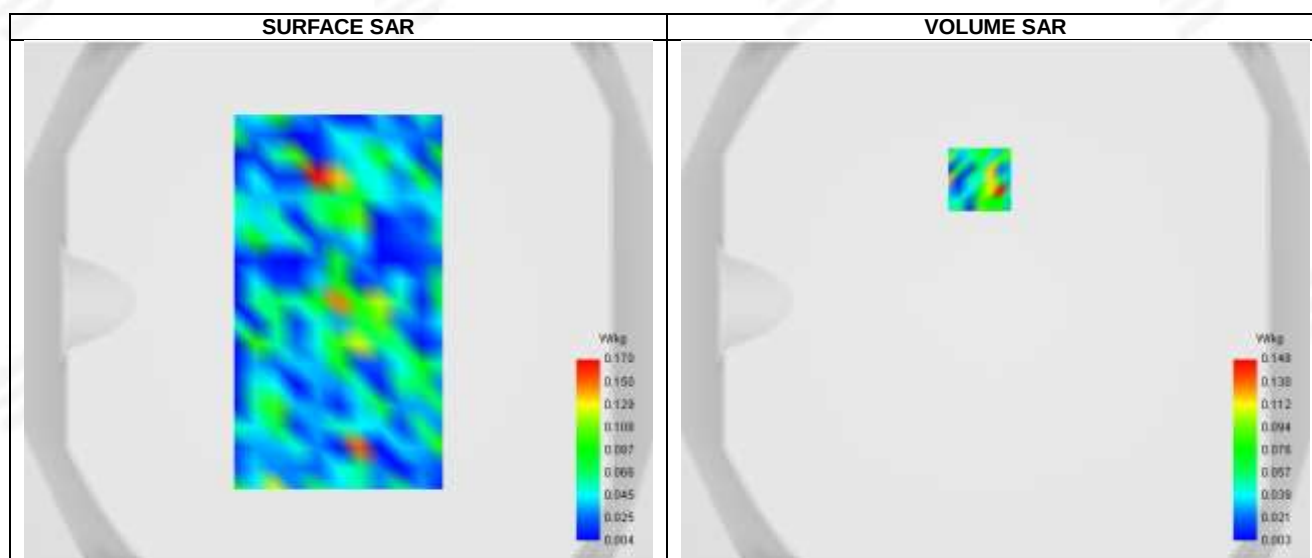
**E. Z Axis Scan**

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)	0.274	0.125	0.029	0.007	0.027	0.013	0.032	0.046	0.016	0.047	0.005	0.015

**F. 3D Image**

**Plot 15: DUT: INMO AIR3; EUT Model: IMA301**

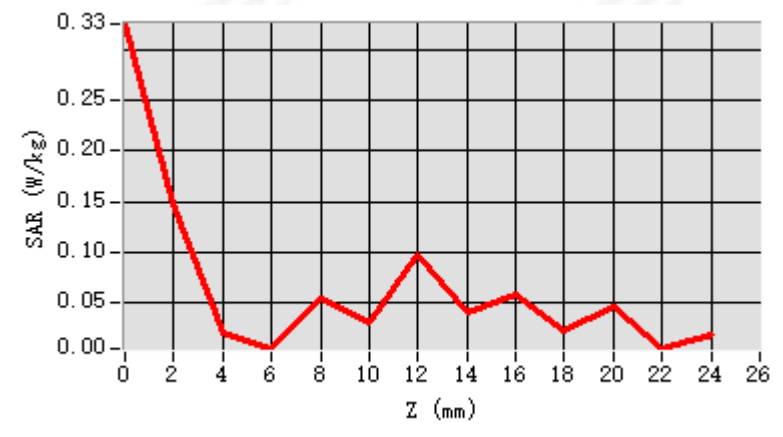
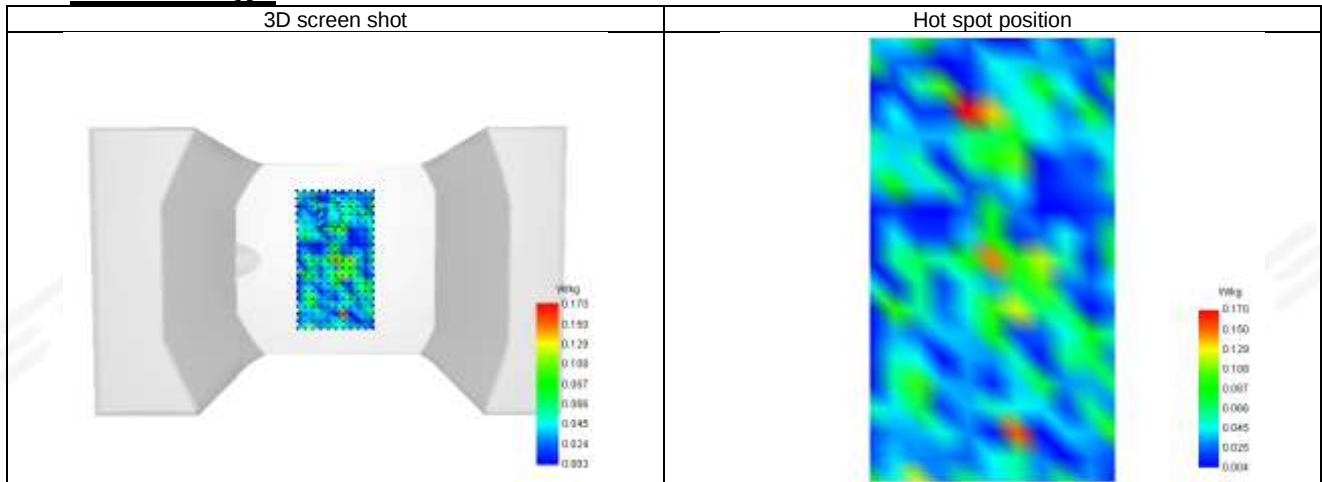
Test Date	2025-06-29
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.24
Phantom	Body
Device Position	Back Side
Band	5.6G WLAN_MIMO_ANT 1
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency	5580
Relative permittivity (real part)	36.38
Conductivity (S/m)	5.07

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

SAR 10g (W/Kg)	0.036
SAR 1g (W/Kg)	0.093
Horizontal validation criteria: minimum distance (mm)	5.884155
Vertical validation criteria: SAR ratio M2/M1 (%)	98.074077

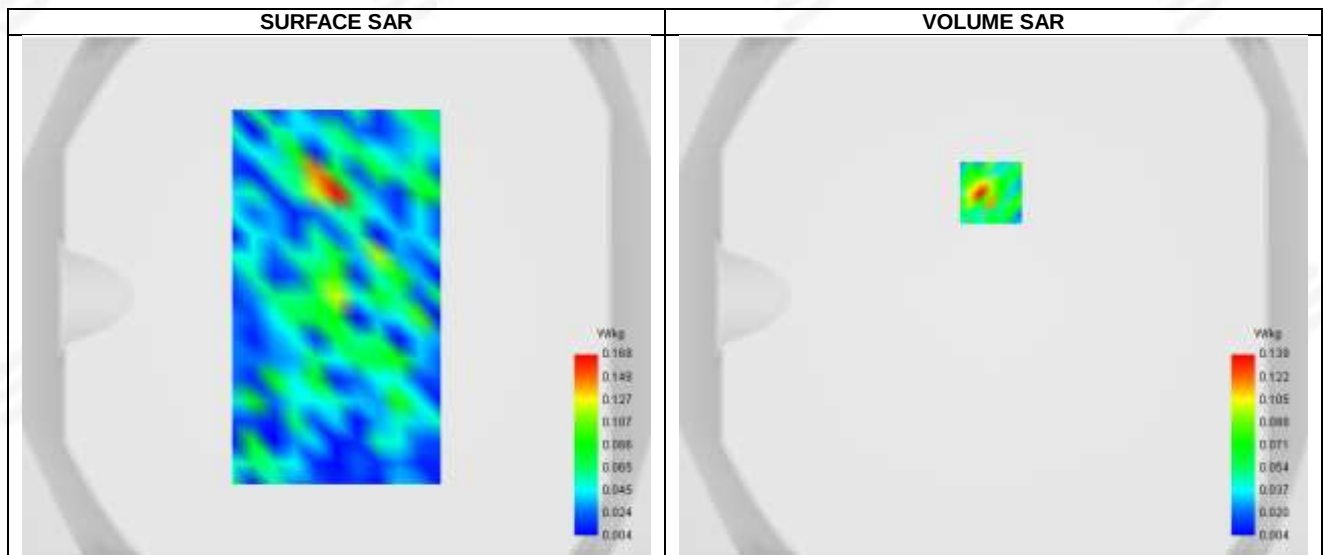
**E. Z Axis Scan**

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)	0.326	0.148	0.021	0.005	0.055	0.030	0.097	0.042	0.058	0.022	0.046	0.005

**F. 3D Image**

**Plot 16: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-29
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.24
Phantom	Body
Device Position	Back Side
Band	5.6G WLAN_MIMO_ANT 2
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency	5580
Relative permittivity (real part)	36.38
Conductivity (S/m)	5.07



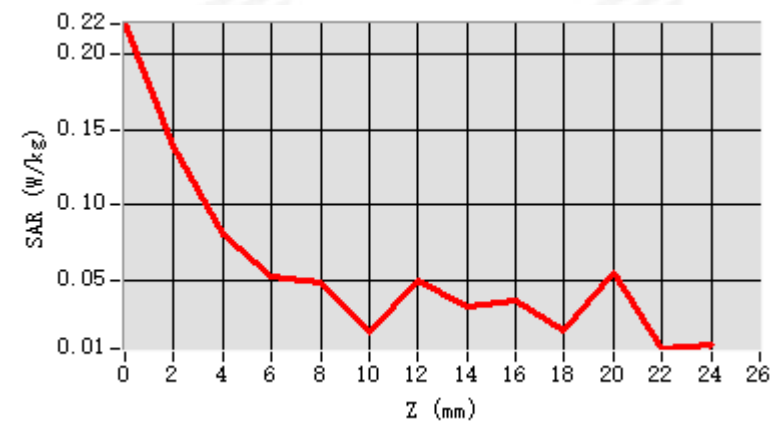
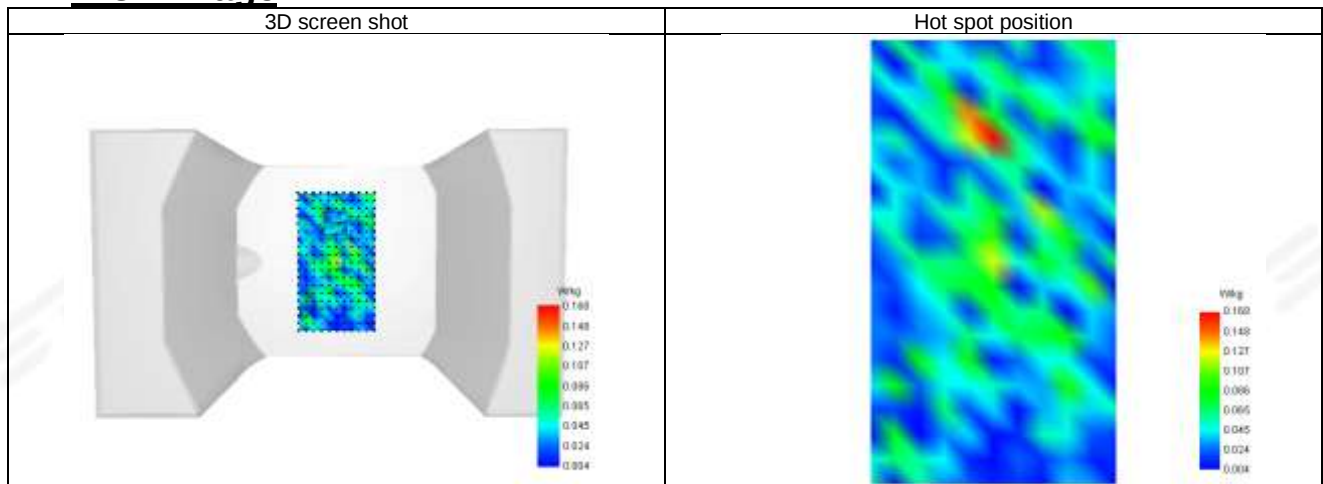
Maximum location: X=-1.00, Y=40.00 ; SAR Peak: 0.45 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.039
SAR 1g (W/Kg)	0.071
Horizontal validation criteria: minimum distance (mm)	5.961156
Vertical validation criteria: SAR ratio M2/M1 (%)	74.414224

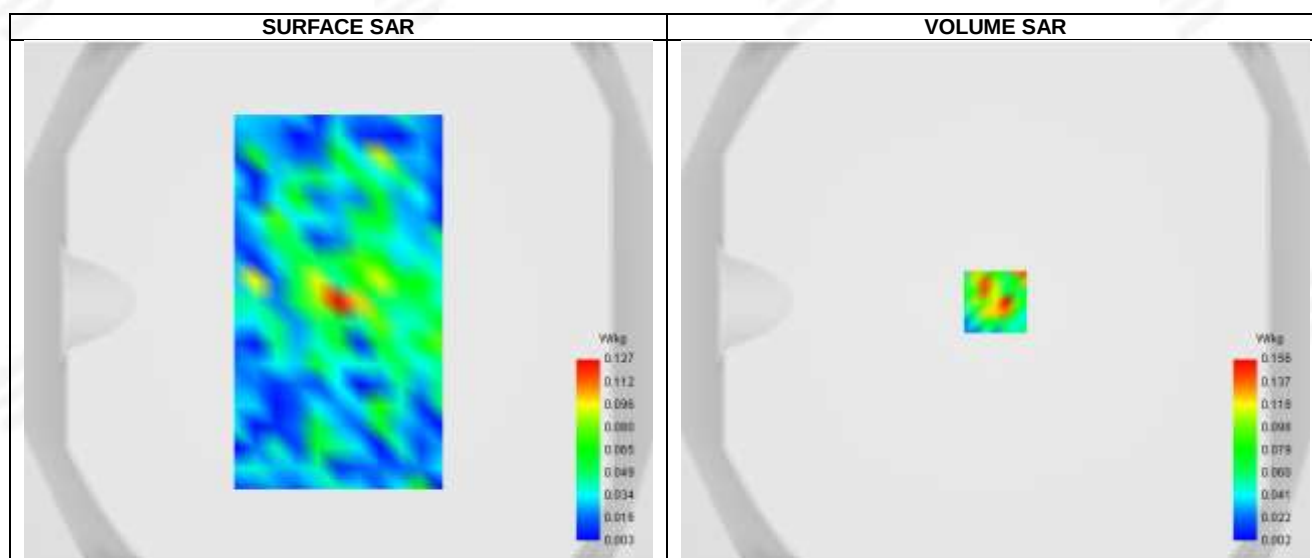
**E. Z Axis Scan**

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	24.00
SAR (W/Kg)	0.219	0.139	0.081	0.054	0.049	0.017	0.051	0.034	0.038	0.018	0.056	0.006	0.006

**F. 3D Image**

**Plot 17: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-29
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.35
Phantom	Body
Device Position	Back Side
Band	5.8GHz WLAN_ANT 1
Signal	802.11 a (Crest factor: 1.0)
Frequency	5785
Relative permittivity (real part)	35.75
Conductivity (S/m)	5.18



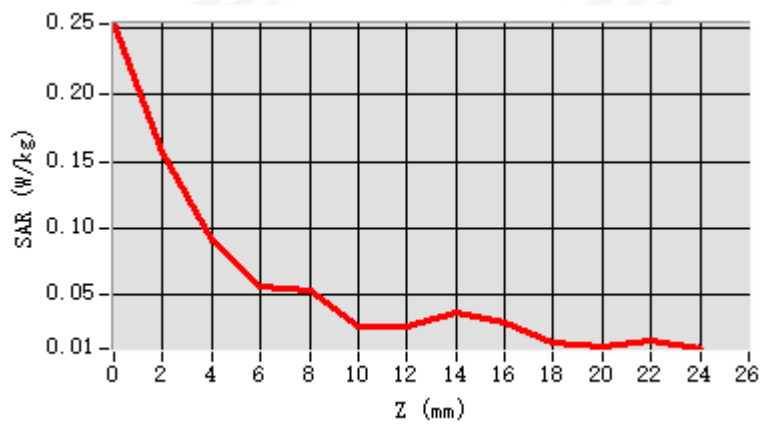
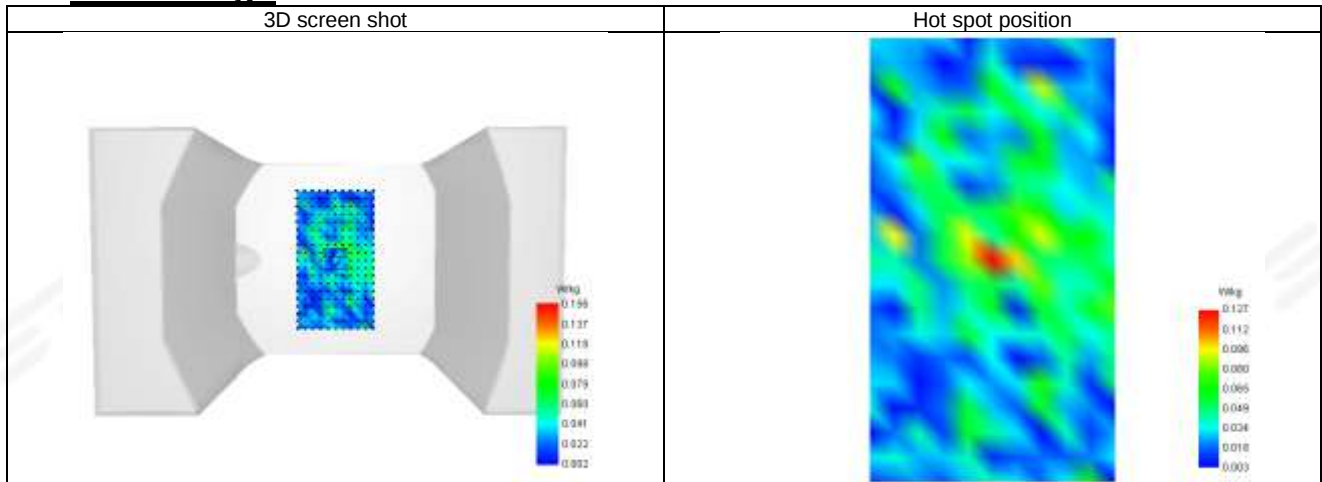
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 0.40 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.036
SAR 1g (W/Kg)	0.084
Horizontal validation criteria: minimum distance (mm)	5.622124
Vertical validation criteria: SAR ratio M2/M1 (%)	58.778277

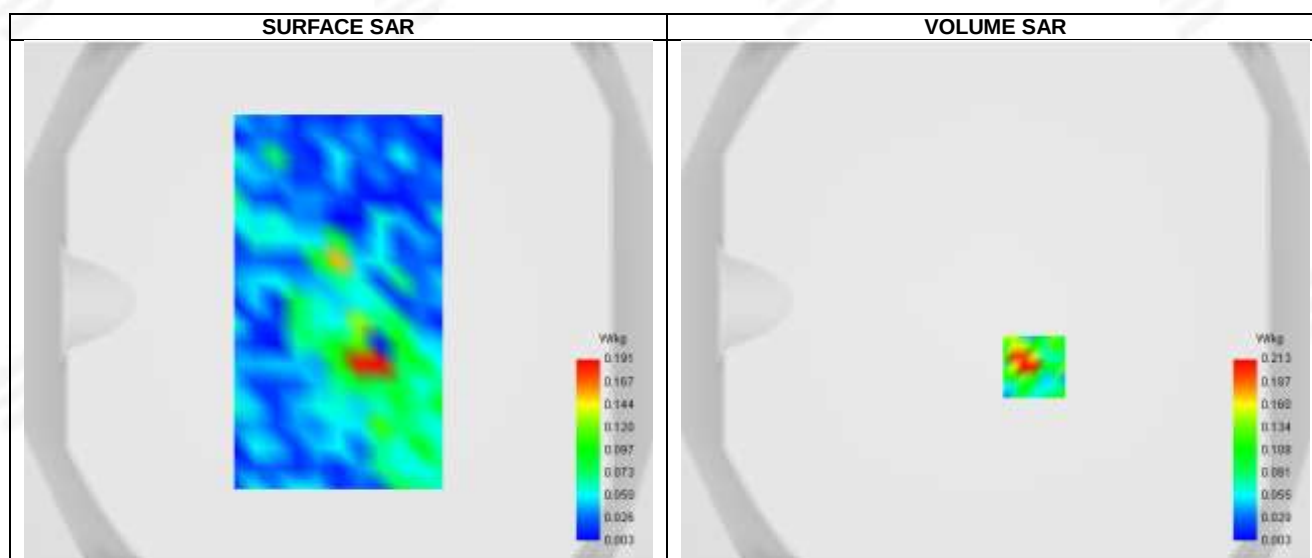
**E. Z Axis Scan**

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)	0.253	0.156	0.090	0.055	0.053	0.026	0.025	0.036	0.028	0.014	0.010	0.015

**F. 3D Image**

**Plot 18: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-29
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.35
Phantom	Body
Device Position	Back Side
Band	5.8GHz WLAN_ANT 2
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency	5785
Relative permittivity (real part)	35.75
Conductivity (S/m)	5.18



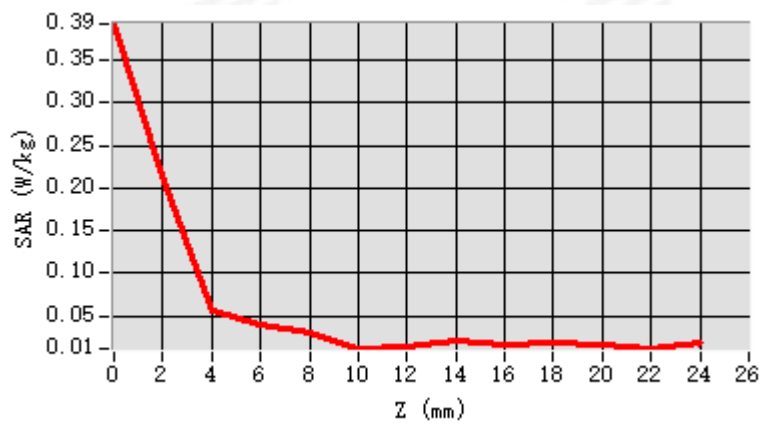
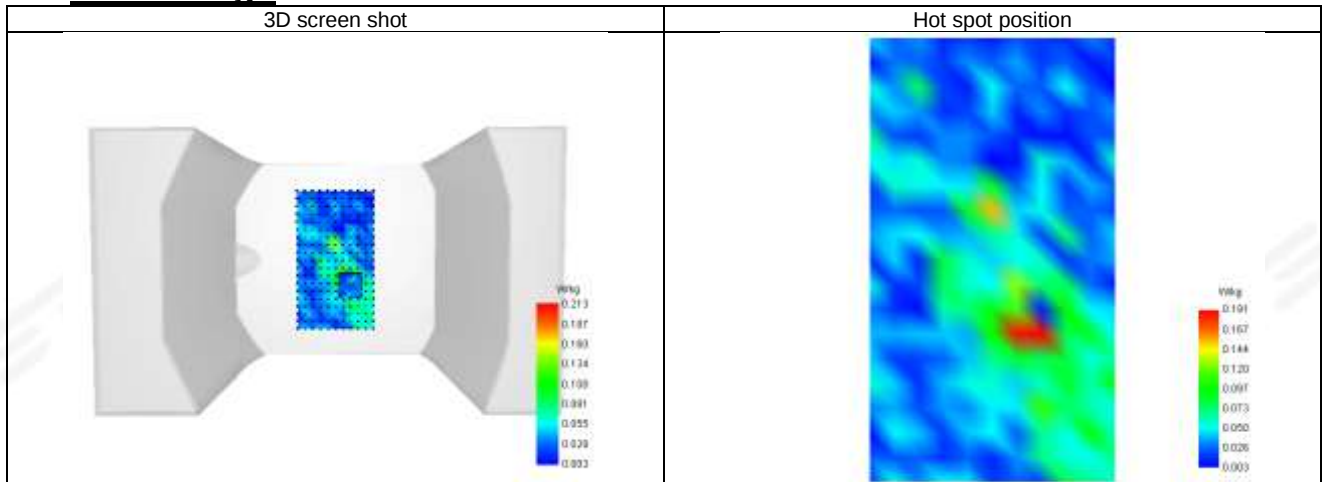
Maximum location: X=15.00, Y=-25.00 ; SAR Peak: 0.50 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.043
SAR 1g (W/Kg)	0.130
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	58.203422

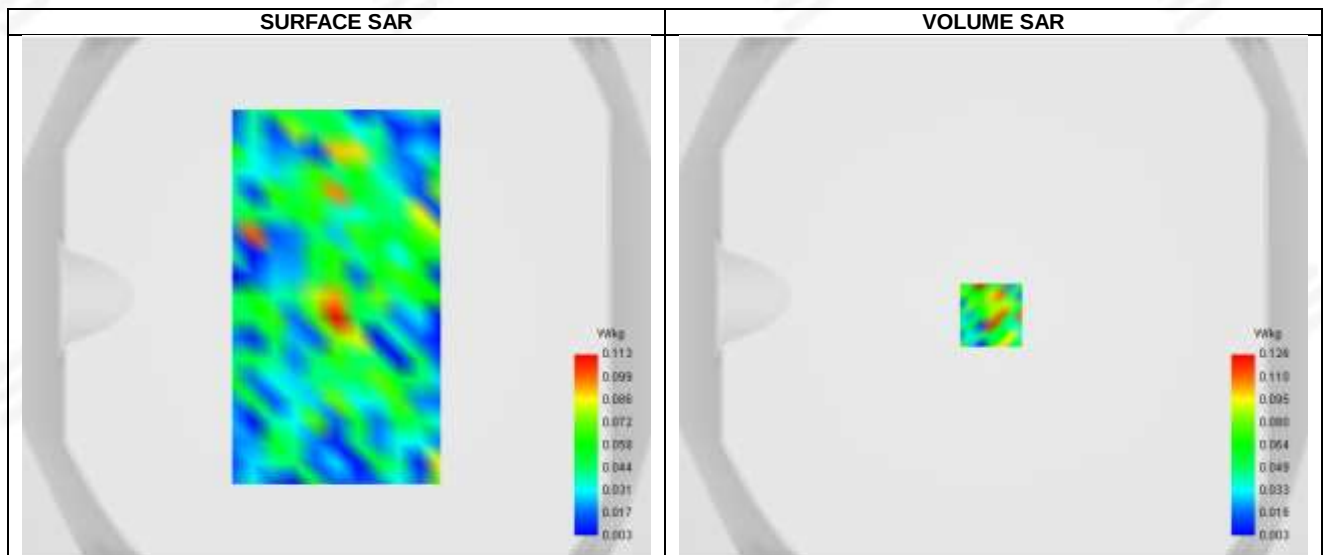
**E. Z Axis Scan**

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)	0.393	0.213	0.056	0.041	0.030	0.012	0.013	0.021	0.017	0.018	0.016	0.013

**F. 3D Image**

**Plot 19: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-29
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.35
Phantom	Body
Device Position	Back Side
Band	5.8G WLAN_MIMO_ANT 1
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency	5785
Relative permittivity (real part)	35.75
Conductivity (S/m)	5.18



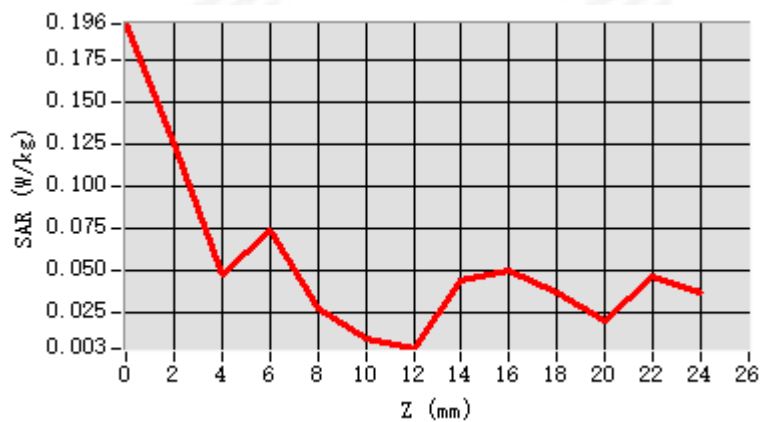
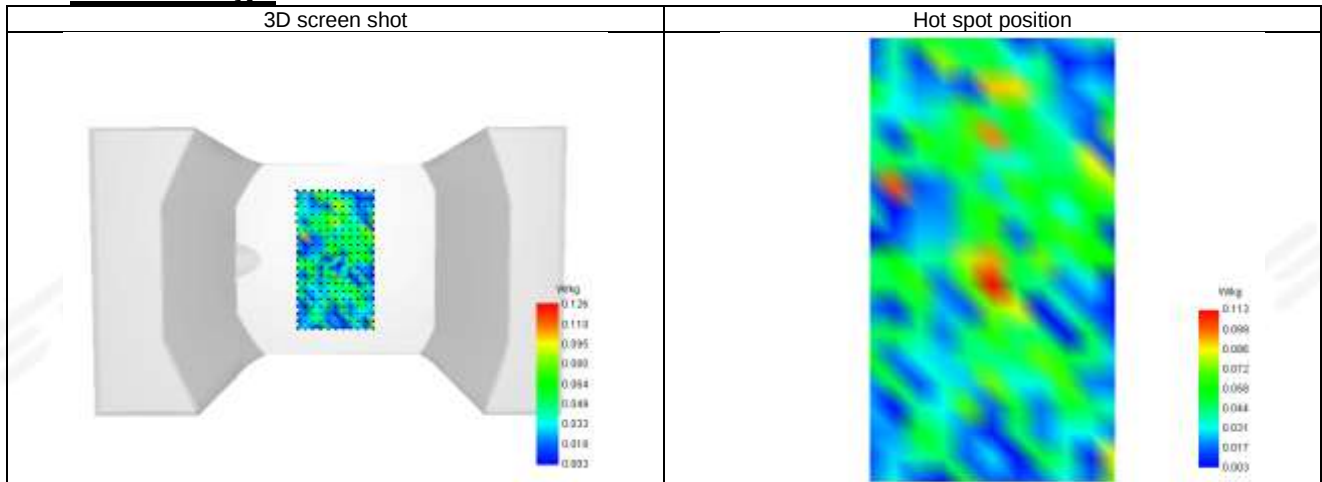
Maximum location: X=-1.00, Y=-7.00 ; SAR Peak: 0.38 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.031
SAR 1g (W/Kg)	0.078
Horizontal validation criteria: minimum distance (mm)	8.551442
Vertical validation criteria: SAR ratio M2/M1 (%)	97.647450

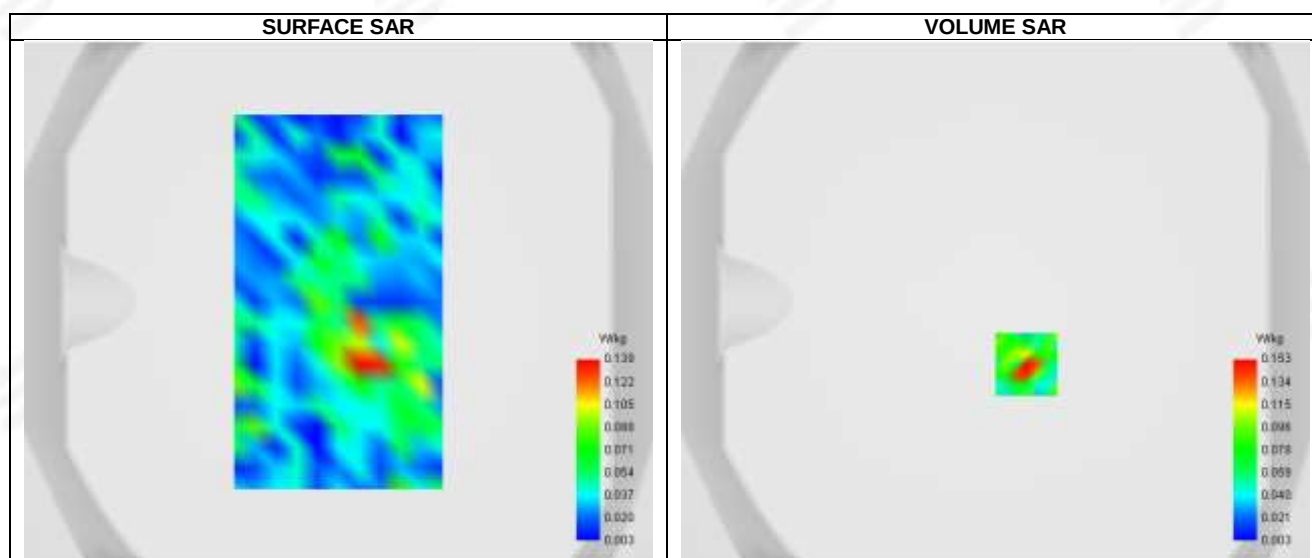
**E. Z Axis Scan**

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	24.00	26.00
SAR (W/Kg)	0.196	0.125	0.048	0.074	0.027	0.009	0.003	0.044	0.050	0.037	0.020	0.046	0.037	0.046

**F. 3D Image**

**Plot 20: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-29
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.35
Phantom	Body
Device Position	Back Side
Band	5.8G WLAN_MIMO_ANT 2
Signal	802.11ax-HE20 (Crest factor: 1.0)
Frequency	5785
Relative permittivity (real part)	35.75
Conductivity (S/m)	5.18



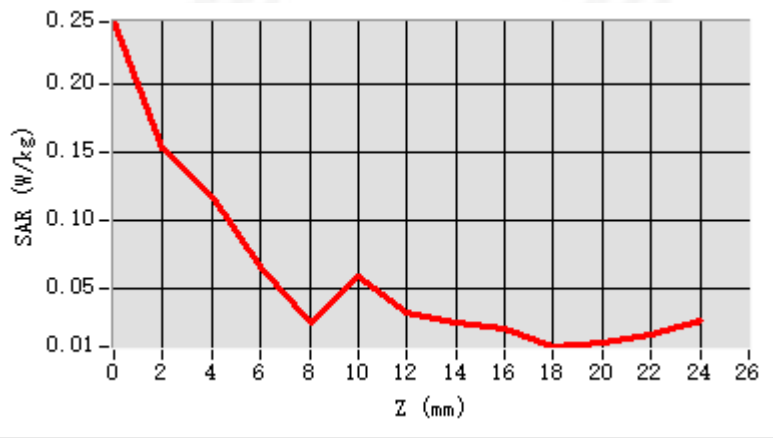
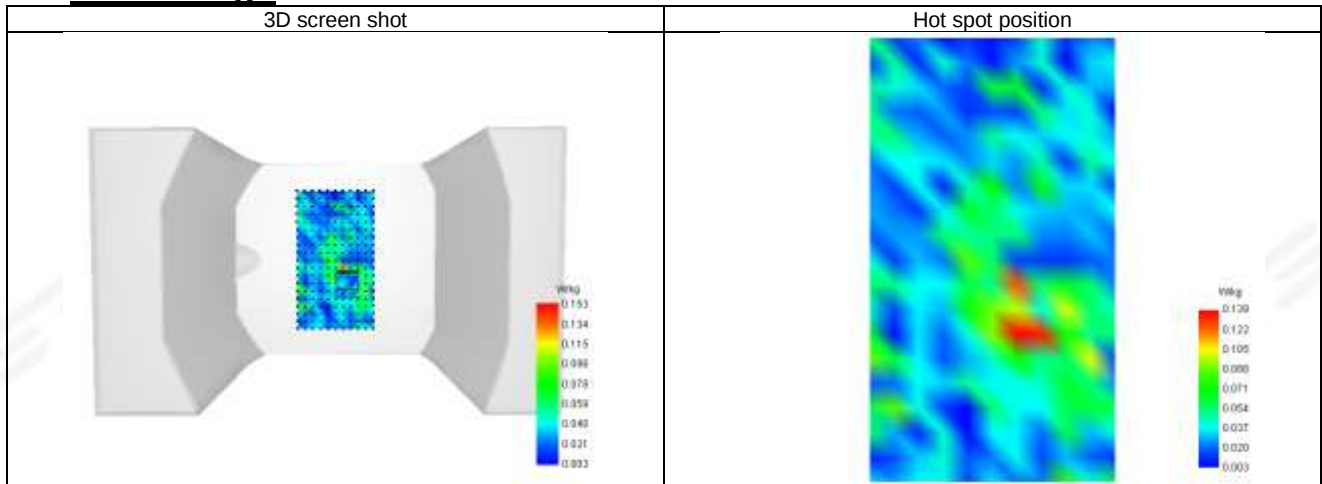
Maximum location: X=12.00, Y=-24.00 ; SAR Peak: 0.35 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.036
SAR 1g (W/Kg)	0.077
Horizontal validation criteria: minimum distance (mm)	8.621451
Vertical validation criteria: SAR ratio M2/M1 (%)	77.358138

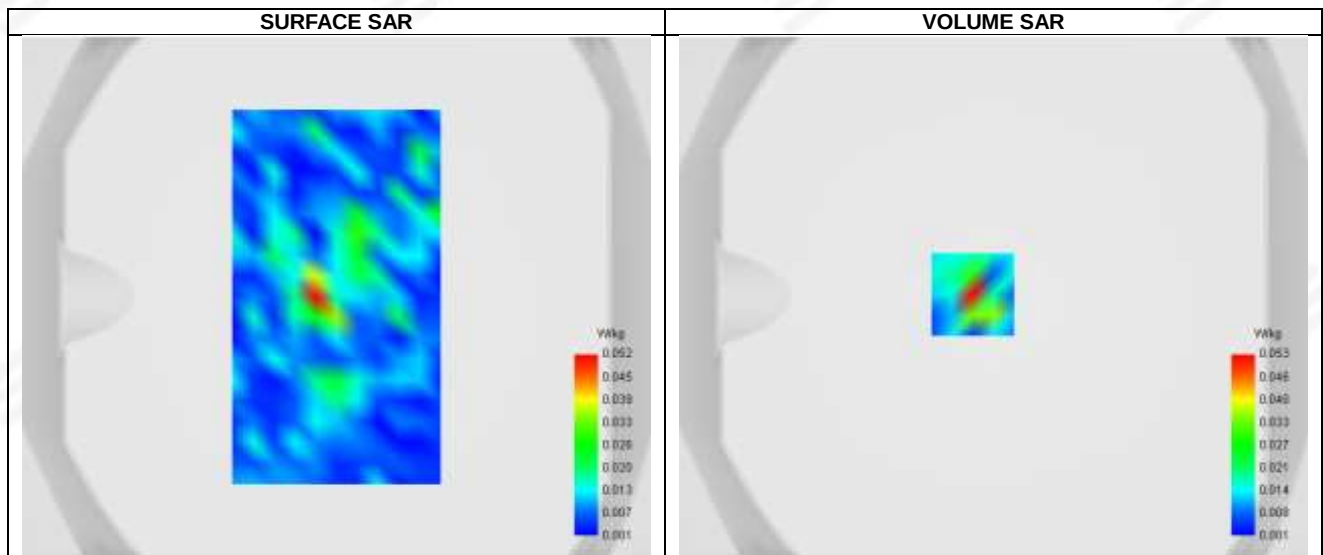
**E. Z Axis Scan**

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)	0.246	0.153	0.118	0.066	0.025	0.059	0.033	0.026	0.021	0.008	0.010	0.016

**F. 3D Image**

**Plot 21: DUT: INMO AIR3; EUT Model: IMA301**

Test Date	2025-06-27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm Complete,
ConvF	1.80
Phantom	Body
Device Position	Back Side
Band	BT
Signal	GFSK
Frequency	2480
Relative permittivity (real part)	39.42
Conductivity (S/m)	1.85



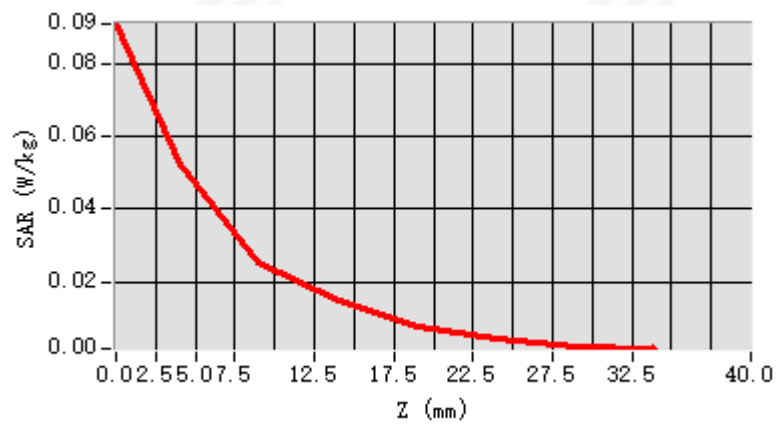
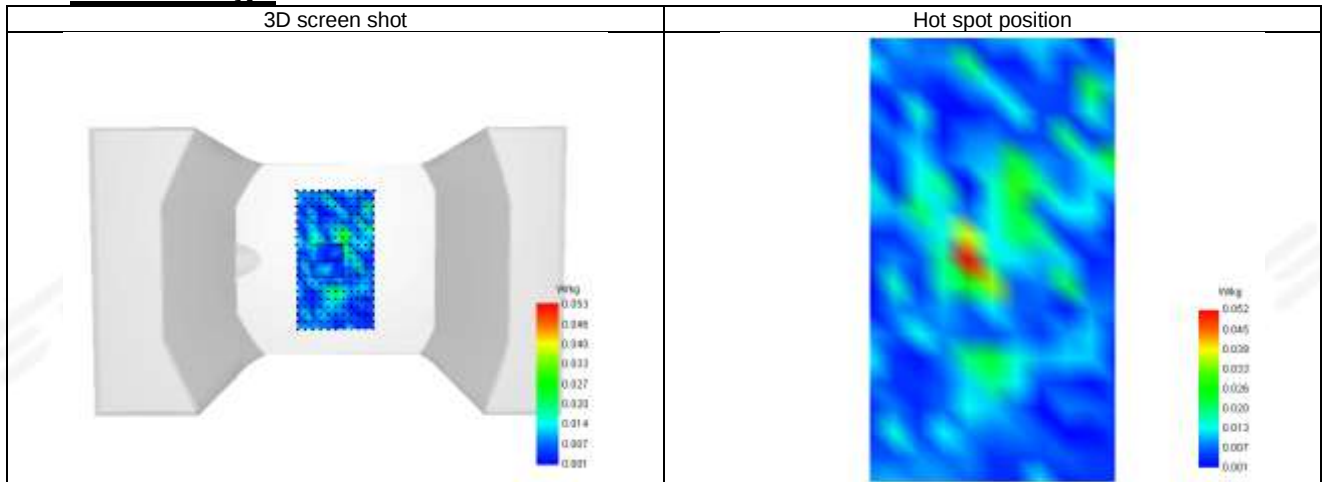
Maximum location: X=-8.00, Y=1.00 ; SAR Peak: 0.11 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.018
SAR 1g (W/Kg)	0.036
Horizontal validation criteria: minimum distance (mm)	8.526262
Vertical validation criteria: SAR ratio M2/M1 (%)	48.179331

**E. Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.091	0.053	0.025	0.015	0.008	0.004	0.002

**F. 3D Image**



Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※END OF THE REPORT※※※※