



SAR Test Report

Report No.: STS2605002H01

Issued for

Senwa Global International, S.A. de C.V.

Av. Jose Maria Castorena 283 oficina 204 Col. Cuajimalpa,
Alcaldía Cuajimalpa de Morelos, Ciudad de Mexico

Product Name: Smartphone

Brand Name: ACER

Model Name: A15

Series Model(s): N/A

FCC ID: 2AZYA-A15

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

Max. Report Head: 0.431 W/kg
SAR (1g) Body: 0.935 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 : Senwa Global International, S.A. de C.V.
Address : Av. Jose Maria Castorena 283 oficina 204 Col. Cuajimalpa, Alcaldía
Cuajimalpa de Morelos, Ciudad de Mexico
Manufacturer's Name : Senwa Global International, S.A. de C.V.
Address : Av. Jose Maria Castorena 283 oficina 204 Col. Cuajimalpa, Alcaldía
Cuajimalpa de Morelos, Ciudad de Mexico

Product description

Product name : Smartphone

Brand name : ACER

Model name : A15

Series Model : 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 : 07 May. 2026 ~ 10 May. 2026

Date of Issue : 18 May. 2026

Test Result : **Pass**

Testing Engineer :

Xin Liu

(Xin.Liu)

Technical Manager :

Shifan Long

(Shifan. Long)

Authorized Signatory :

Bovey Yang

(Bovey Yang)





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00	18 May. 2026	STS2605002H01	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	Smartphone
Brand Name	ACER
Model Name	A15
Series Model	N/A
Model Difference	N/A
Sample number	260506004-1
Device Category	Portable
Product stage	Production unit
RF Exposure Environment	General Population / Uncontrolled
Hardware Version	SC6056E_MB_V1.0.2
Software Version	N/A
Frequency Range	GSM 850: 824 MHz ~ 849 MHz PCS1900: 1850 MHz ~ 1910 MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 40: 2305 MHz ~ 2315 MHz / 2350 MHz ~ 2360 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 4 (1710-1755 MHz) is covered by LTE Band 66 (1710-1780 MHz) WLAN 802.11b/g/n20/ax20: 2412 MHz ~ 2462 MHz WLAN 802.11n40/ax40: 2422 MHz ~ 2452 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5150 ~ 5250 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5250 ~ 5350 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5725 ~ 5850 MHz Bluetooth: 2402 MHz to 2480 MHz



Max. Reported SAR(1g): (Limit:1.6W/kg) Test distance: Head:0mm Body:10mm	Band	Mode	Head (W/kg)	Body Worn and Hotspot(W/kg)
	PCE	GSM 850	0.306	0.306
	PCE	GSM 1900	0.165	0.516
	PCE	WCDMA Band 2	0.221	0.296
	PCE	WCDMA Band 4	0.047	0.247
	PCE	WCDMA Band 5	0.206	0.173
	PCE	LTE Band 2	0.237	0.768
	PCE	LTE Band 5	0.216	0.221
	PCE	LTE Band 13	0.104	0.141
	PCE	LTE Band 38	0.030	0.135
	PCE	LTE Band 40	0.020	0.186
	PCE	LTE Band 41	0.029	0.128
	PCE	LTE Band 66/4	0.109	0.364
	DTS	2.4G WLAN	0.191	0.050
	DSS	BT	0.094	0.037
	NII	5.2G WLAN	0.146	0.154
	NII	5.3G WLAN	0.161	0.165
	NII	5.8G WLAN	0.174	0.167
1-g Sum SAR			0.497	0.935
FCC Equipment Class	Licensed Portable Transmitter Held to Ear (PCE) Part 15 Spread Spectrum Transmitter (DSS) Digital Transmission System (DTS) Unlicensed National Information Infrastructure TX(NII)			
Operating Mode:	GSM: GSM Voice; GPRS/EGPRS Class 12 WCDMA: RMC, HSDPA, HSUPA Release 6 LTE: QPSK, 16QAM 2.4G WLAN : 802.11b(DSSS):CCK,DQPSK,DBPSK 802.11g(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM 5G WLAN: 802.11a(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11ac(OFDM):BPSK,QPSK,16-QAM,64-QAM,256-QAM Bluetooth: GFSK + π /4DQPSK+8DPSK BLE: GFSK			
Antenna Specification:	GSM/WCDMA/LTE: PIFA Antenna Bluetooth: PIFA Antenna WLAN: PIFA Antenna			
SIM Card	Support dual-SIM, dual standby, the multiple SIM card with two lines cannot transmitting at the same time			
Hotspot Mode	Support			
DTM Mode	Not Support			
Note: 1. The dual SIM card mobile has 2 SIM slots and supports dual SIM dual standby. The WWAN radio transmission will be enabled by either one SIM at a time (Single active) 2. After pre-scan two SIM cards power, we found test result of the SIM1 was the worse, so we chose SIM1 card to perform all tests. 3. 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.

A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong 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 D01 v06	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

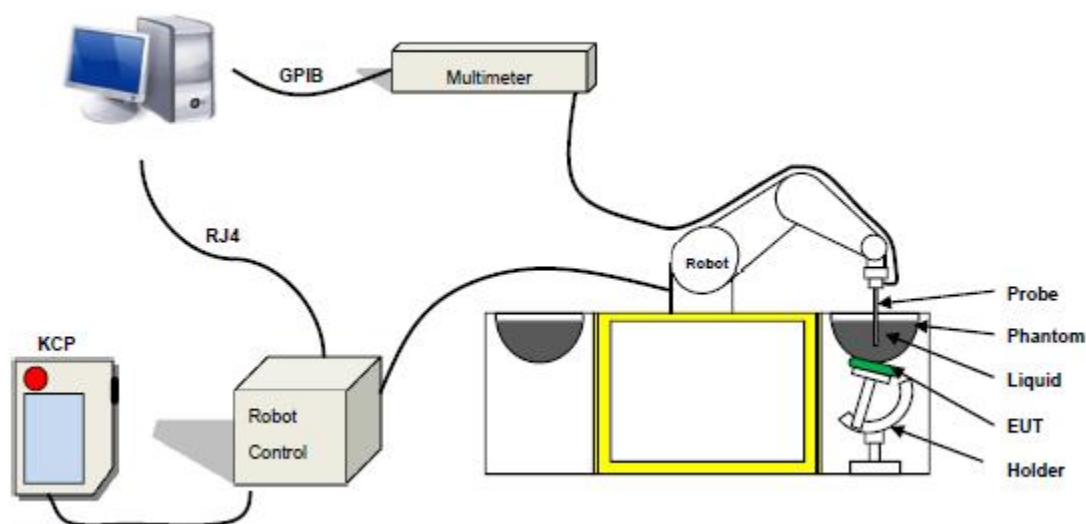
$$SAR = \frac{\sigma E^2}{\rho}$$

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.

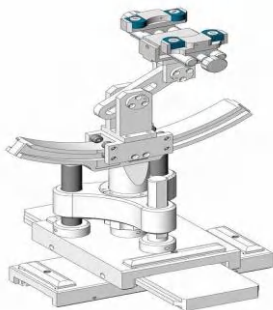
SN 32/14 SAM115



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

4.1 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]					
2026-05-07	22.4	60	745.5	22.1	Permittivity	41.92	41.94	0.04	±5
					Conductivity	0.89	0.91	2.28	±5
2026-05-07	22.5	60	750	22.2	Permittivity	41.90	41.98	0.19	±5
					Conductivity	0.89	0.91	2.25	±5
2026-05-07	22.6	60	782	22.3	Permittivity	41.73	42.21	1.15	±5
					Conductivity	0.89	0.90	0.88	±5
2026-05-07	22.6	60	826.4	22.3	Permittivity	41.54	41.88	0.82	±5
					Conductivity	0.90	0.91	1.22	±5
2026-05-07	22.6	60	835	22.3	Permittivity	41.50	42.74	2.99	±5
					Conductivity	0.90	0.92	2.22	±5
2026-05-07	22.6	60	836.6	22.3	Permittivity	41.49	42.69	2.89	±5
					Conductivity	0.90	0.93	3.31	±5
2026-05-07	22.6	60	844	22.3	Permittivity	41.46	41.58	0.30	±5
					Conductivity	0.90	0.91	0.99	±5
2026-05-07	22.6	60	848.8	22.3	Permittivity	41.44	41.97	1.29	±5
					Conductivity	0.90	0.90	-0.18	±5
2026-05-08	23.7	51	1712.6	23.4	Permittivity	40.12	40.48	0.89	±5
					Conductivity	1.35	1.33	-1.49	±5
2026-05-08	23.8	51	1770	23.5	Permittivity	40.04	39.62	-1.06	±5
					Conductivity	1.38	1.36	-1.65	±5
2026-05-08	23.8	51	1800	23.5	Permittivity	40.00	40.40	1.00	±5
					Conductivity	1.40	1.41	0.71	±5
2026-05-08	23.8	51	1850.2	23.5	Permittivity	40.00	40.70	1.75	±5
					Conductivity	1.40	1.39	-0.71	±5
2026-05-08	23.8	51	1860	23.5	Permittivity	40.00	40.78	1.95	±5
					Conductivity	1.40	1.43	2.14	±5
2026-05-08	23.8	51	1880	23.5	Permittivity	40.00	40.42	1.05	±5
					Conductivity	1.40	1.39	-0.71	±5
2026-05-08	23.8	51	1900	23.5	Permittivity	40.00	40.71	1.78	±5
					Conductivity	1.40	1.35	-3.57	±5
2026-05-09	22.9	58	2315	22.6	Permittivity	39.44	39.28	-0.41	±5
					Conductivity	1.68	1.67	-0.60	±5
2026-05-09	22.9	58	2450	22.6	Permittivity	39.20	39.33	0.33	±5
					Conductivity	1.80	1.81	0.56	±5



2026-05-09	22.9	58	2480	22.6	Permittivity	39.15	39.75	1.54	±5
					Conductivity	1.83	1.83	0.18	±5
2026-05-09	22.9	58	2600	22.6	Permittivity	39.00	39.28	0.72	±5
					Conductivity	1.96	1.99	1.53	±5
2026-05-09	22.9	58	2610	22.6	Permittivity	38.99	39.93	2.42	±5
					Conductivity	1.97	1.97	-0.03	±5
2026-05-09	22.9	58	2680	22.6	Permittivity	38.89	39.72	2.13	±5
					Conductivity	2.05	2.04	-0.26	±5
2026-05-10	22.6	55	5180	22.3	Permittivity	36.02	36.19	0.47	±5
					Conductivity	4.64	4.62	-0.41	±5
2026-05-10	22.6	55	5200	22.2	Permittivity	36.00	36.40	1.11	±5
					Conductivity	4.66	4.65	-0.21	±5
2026-05-10	22.6	55	5300	22.2	Permittivity	35.90	36.10	0.56	±5
					Conductivity	4.77	4.75	-0.31	±5
2026-05-10	22.6	55	5745	22.2	Permittivity	35.36	35.79	1.23	±5
					Conductivity	5.21	5.23	0.34	±5
2026-05-10	22.6	55	5800	22.2	Permittivity	35.30	36.00	1.98	±5
					Conductivity	5.27	5.28	0.19	±5



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

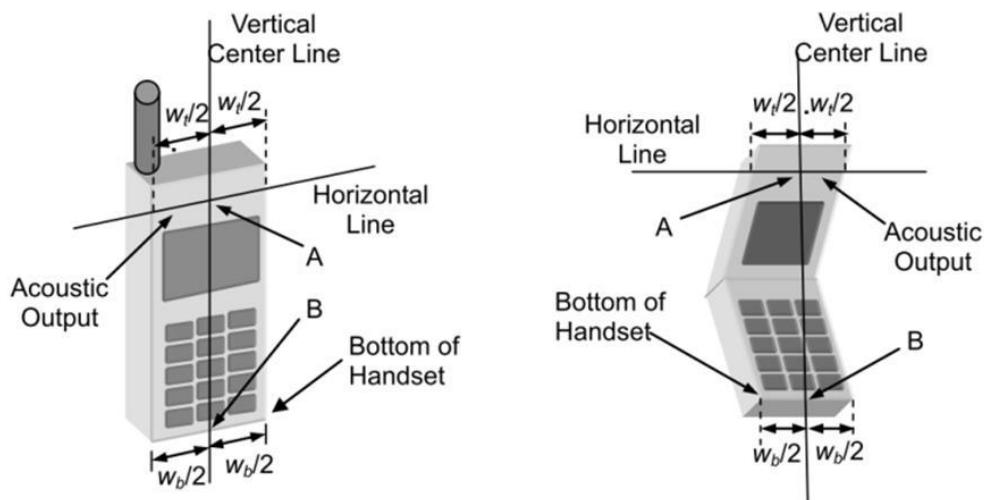
First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan 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 Test Position

This EUT was tested in Right Cheek, Right Titled, Left Cheek, Left Titled, Front Face and Rear Face , for 4 Edges

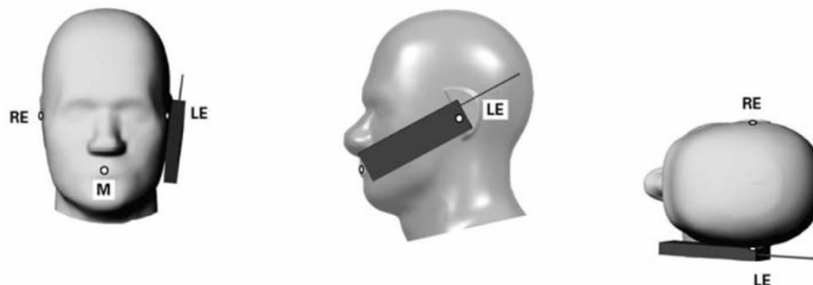
7.1 Define Two Imaginary Lines on the Handset

- (1) The vertical centerline passes through two points on the front side of the handset the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the handset.
- (2) The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.
- (3) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centerline is not necessarily to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.



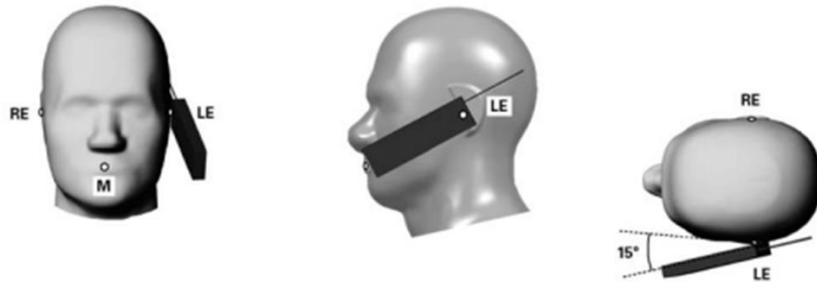
Cheek Position

- 1) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.
- 2) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.



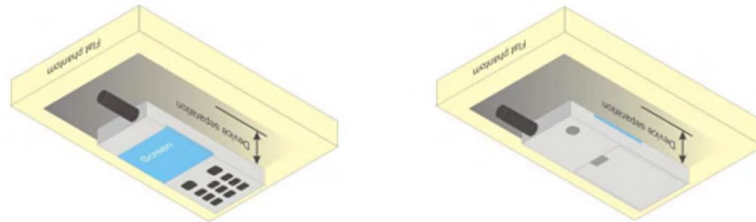
Title Position

- (1) To position the device in the “cheek” position described above.
- (2) While maintaining the device in the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until with the ear is lost.



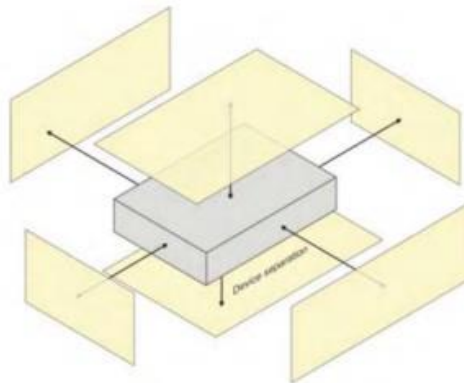
Body-worn Position Conditions:

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB Publication 447498 D01 v06 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.



8.2 Hotspot mode exposure position condition

For handsets that support hotspot mode operations, with wireless router capabilities and various web browsing function, the relevant hand and body exposure condition are tested according to the hotspot SAR procedures in KDB 941225. A test separation distance of 10 mm is required between the phantom and all surface and edges with a transmitting antenna located within 25 mm from that surface or edge. When form factor of a handset is smaller than 9cm x 5cm, a test separation distance of 5mm (instead of 10mm) is required for testing hotspot mode. When the separate distance required for body-worn accessory testing is larger than or equal to that tested for hotspot mode, in the same wireless mode and for the same surface of the phone, the hotspot mode SAR data may be used to support body-worn accessory SAR compliance for that particular configuration (surface).





8. Uncertainty

8.1 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 EPGO352									
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 EPG0352									
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 EPGO352									
。 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	



9. Conducted Power Measurement

9.1 Test Result

Burst Average Power (dBm)						
Band	GSM 850			PCS 1900		
Channel	128	190	251	512	661	810
Frequency (MHz)	824.2	836.6	848.8	1850.2	1880.0	1909.8
GSM(GMSK, 1-Slot)	23.37	23.43	22.93	29.94	29.69	29.73
GPRS (GMSK, 1-Slot)	23.36	23.43	22.94	29.95	29.70	29.75
GPRS (GMSK, 2-Slot)	23.37	23.45	22.95	29.15	28.88	28.95
GPRS (GMSK, 3-Slot)	23.38	23.45	22.97	27.09	26.85	26.90
GPRS (GMSK, 4-Slot)	23.41	23.48	22.99	25.81	25.52	25.60
EGPRS(8PSK, 1-Slot)	27.77	27.68	27.34	26.42	25.96	25.85
EGPRS(8PSK, 2-Slot)	26.43	26.65	26.69	25.26	24.53	25.01
EGPRS(8PSK, 3-Slot)	24.33	24.64	24.14	23.11	22.61	22.72
EGPRS(8PSK, 4-Slot)	23.58	22.98	23.47	21.50	21.24	21.75
Remark: GPRS, CS4 coding scheme. EGPRS, MCS5 coding scheme. Multi-Slot Class 8, Support Max 4 downlink, 1 uplink, 5 working link Multi-Slot Class 10, Support Max 4 downlink, 2 uplink, 5 working link Multi-Slot Class 12, Support Max 4 downlink, 4 uplink, 5 working link						

Frame- Average Power(dBm)						
Band	GSM 850			PCS 1900		
Channel	128	190	251	512	661	810
Frequency (MHz)	824.2	836.6	848.8	1850.2	1880.0	1909.8
GSM(GMSK, 1-Slot)	14.34	14.40	13.90	20.91	20.66	20.70
GPRS (GMSK, 1-Slot)	14.33	14.40	13.91	20.92	20.67	20.72
GPRS (GMSK, 2-Slot)	17.35	17.43	16.93	23.13	22.86	22.93
GPRS (GMSK, 3-Slot)	19.12	19.19	18.71	22.83	22.59	22.64
GPRS (GMSK, 4-Slot)	20.40	20.47	19.98	22.80	22.51	22.59
EGPRS(8PSK, 1-Slot)	18.74	18.65	18.31	17.39	16.93	16.82
EGPRS(8PSK, 2-Slot)	20.41	20.63	20.67	19.24	18.51	18.99
EGPRS(8PSK, 3-Slot)	20.07	20.38	19.88	18.85	18.35	18.46
EGPRS(8PSK, 4-Slot)	20.57	19.97	20.46	18.49	18.23	18.74
Remark : 1. SAR testing was performed on the maximum frame-averaged power mode. 2. The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum Burst - averaged power based on time slots. The calculated method is shown as below: Frame-averaged power = Burst averaged power (1 TX Slot) – 9.03 dB Frame-averaged power = Burst averaged power (2 TX Slots) – 6.02 dB Frame-averaged power = Burst averaged power (3 TX Slots) - 4.26 dB Frame-averaged power = Burst averaged power (4 TX Slots) – 3.01 dB						

**WCDMA**

Band	WCDMA Band 2			WCDMA Band 4			WCDMA Band 5		
Channel	9262	9400	9538	1312	1413	1513	4132	4183	4233
Frequency (MHz)	1852.4	1880	1907.6	1712.6	1740	1752.4	826.4	836.6	846.6
RMC 12.2Kbps	22.83	23.08	22.48	23.84	23.46	23.57	23.40	23.29	23.71
HSDPA Subtest-1	23.45	23.14	22.97	23.57	23.24	23.09	23.13	22.73	22.85
HSDPA Subtest-2	22.98	22.63	22.81	23.43	23.02	22.81	22.66	22.30	22.55
HSDPA Subtest-3	23.00	22.55	22.62	22.88	22.72	22.48	22.70	21.97	22.31
HSDPA Subtest-4	22.85	21.88	22.13	22.40	22.28	22.09	21.98	22.24	22.59
HSUPA Subtest-1	23.46	23.14	22.78	23.32	23.30	23.08	23.11	22.66	22.79
HSUPA Subtest-2	23.41	23.10	22.85	23.54	23.36	23.11	22.95	22.74	22.93
HSUPA Subtest-3	23.20	22.89	22.79	23.30	23.25	22.66	22.53	22.46	22.68
HSUPA Subtest-4	23.35	23.08	22.87	23.47	23.33	23.12	22.91	22.69	22.91
HSUPA Subtest-5	23.16	22.92	22.52	23.30	23.01	22.94	22.80	22.78	22.77

According to 3GPP 25.101 sub-clause 6.2.2, the maximum output power is allowed to be reduced by following the table.

Table 6.1A: UE maximum output power with HS-DPCCH and E-DCH

UE Transmit Channel Configuration	CM(db)	MPR(db)
For all combinations of ,DPDCH,DPCCH HS-DPDCH,E-DPDCH and E-DPCCH	$0 \leq CM \leq 3.5$	$MAX(CM-1,0)$
Note: CM=1 for $\beta_c/\beta_d=12/15$, $\beta_{hs}/\beta_c=24/15$. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.		

The device supports MPR to solve linearity issues (ACLR or SEM) due to the higher peak-to average ratios (PAR) of the HSUPA signal. This prevents saturating the full range of the TX DAC inside of device and provides a reduced power output to the RF transceiver chip according to the Cubic Metric (a function of the combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH).

When E-DPDCH channels are present the beta gains on those channels are reduced firsts to try to get the power under the allowed limit. If the beta gains are lowered as far as possible, then a hard limiting is applied at the maximum allowed level.

The SW currently recalculates the cubic metric every time the beta gains on the E-DPDCH are reduced. The cubic metric will likely get lower each time this is done .However, there is no reported reduction of maximum output power in the HSUPA mode since the device also provides a compensation for the power back-off by increasing the gain of TX_AGC in the transceiver (PA) device.

The end effect is that the DUT output power is identical to the case where there is no MPR in the device.



2.4G WLAN

2.4GWIFI				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
802.11b	1	2412	14.68	29.38
	7	2437	15.12	32.51
	11	2462	15.67	36.90
802.11g	1	2412	13.76	23.77
	7	2437	14.96	31.33
	11	2462	15.57	36.06
802.11 n-HT20	1	2412	14.10	25.70
	7	2437	15.11	32.43
	11	2462	15.55	35.89
802.11 n-HT40	3	2422	14.58	28.71
	6	2437	15.03	31.84
	9	2452	15.00	31.62

Bluetooth

BT				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	0.21	1.05
	39	2441	1.30	1.35
	78	2480	1.81	1.52
$\pi/4$ -QPSK(2Mbps)	0	2402	2.13	1.63
	39	2441	3.34	2.16
	78	2480	3.82	2.41
8DPSK(3Mbps)	0	2402	2.45	1.76
	39	2441	3.65	2.32
	78	2480	4.22	2.64



BLE

BLE				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	-1.02	0.79
	19	2440	1.07	1.28
	39	2480	-0.06	0.99
GFSK(2Mbps)	0	2402	-0.93	0.81
	19	2440	1.18	1.31
	39	2480	0.03	1.01

WLAN (5.2Gband)

5.2G WLAN				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
802.11a	36	5180	12.19	16.56
	40	5200	11.62	14.52
	48	5240	12.04	16.00
802.11 n-HT20	36	5180	11.26	13.37
	40	5200	10.73	11.83
	48	5240	11.17	13.09
802.11 n-HT40	38	5190	11.60	14.45
	46	5230	11.12	12.94
802.11ac-VHT20	36	5180	11.23	13.27
	40	5200	10.74	11.86
	48	5240	11.15	13.03
802.11ac-VHT40	38	5190	11.53	14.22
	46	5230	11.06	12.76



WLAN (5.3Gband)

5.3G WLAN				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
802.11a	52	5260	12.13	16.33
	60	5300	12.52	17.86
	64	5320	12.43	17.50
802.11 n-HT20	52	5260	11.24	13.30
	60	5300	11.74	14.93
	64	5320	11.63	14.55
802.11 n-HT40	54	5270	11.87	15.38
	62	5310	10.78	11.97
802.11ac-VHT20	52	5260	11.21	13.21
	60	5300	11.78	15.07
	64	5320	11.62	14.52
802.11ac-VHT40	54	5270	11.82	15.21
	62	5310	10.73	11.83



WLAN (5.8Gband)

5.8G WLAN				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
802.11a	149	5745	10.37	10.89
	157	5785	10.19	10.45
	165	5825	7.91	6.18
802.11 n-HT20	149	5745	9.49	8.89
	157	5785	9.33	8.57
	165	5825	6.82	4.81
802.11 n-HT40	151	5755	8.10	6.46
	159	5795	7.94	6.22
802.11ac-VHT20	149	5745	9.51	8.93
	157	5785	9.34	8.59
	165	5825	6.82	4.81
802.11ac-VHT40	151	5755	8.00	6.31
	159	5795	7.87	6.12



LTE Conducted Power

General Note:

1. ROHDE & SCHWARZ CMW500 base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. Per KDB 941225 D05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
4. Per KDB 941225 D05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5. Per KDB 941225 D05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
6. Per KDB 941225 D05, 16QAM output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05, 16QAM SAR testing is not required.
7. Per KDB 941225 D05, Smaller bandwidth output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05, smaller bandwidth SAR testing is not required.
8. According to April 2015 TCB workshop, SAR test exclusion can be applied for testing overlapping LTE bands as follows:
 - a) The maximum output power, including tolerance, for the smaller band must be $\leq$ the larger band to qualify for the SAR test exclusion.
 - b) The channel bandwidth and other operating parameters for the smaller band must be fully supported by the larger band.



LTE Band 2

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.05	22.69	22.83
1.4	1	2		23.30	22.92	22.99
1.4	1	5		23.13	22.72	22.79
1.4	3	0		23.20	22.69	22.98
1.4	3	1		23.18	22.74	22.93
1.4	3	2		23.20	22.73	22.95
1.4	6	0		22.13	21.66	21.83
1.4	1	0	16-QAM	21.91	21.86	22.07
1.4	1	2		22.11	22.00	22.19
1.4	1	5		21.95	21.96	22.07
1.4	3	0		22.32	22.00	22.21
1.4	3	1		22.34	22.01	22.24
1.4	3	2		22.35	21.95	22.21
1.4	6	0		21.32	20.89	21.08
3	1	0	QPSK	23.11	22.69	22.91
3	1	7		23.50	23.09	23.21
3	1	14		23.20	22.65	22.85
3	8	0		22.09	21.68	21.88
3	8	4		22.16	21.73	21.90
3	8	7		22.14	21.70	21.89
3	15	0		22.10	21.69	21.92
3	1	0	16-QAM	21.95	22.21	22.16
3	1	7		22.31	22.54	22.48
3	1	14		21.99	22.18	22.07
3	8	0		21.11	20.75	20.96
3	8	4		21.19	20.78	20.98
3	8	7		21.14	20.78	20.89
3	15	0		21.22	20.77	20.90



LTE BAND 2

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.96	22.59	22.86
5	1	12		23.36	22.89	23.29
5	1	24		23.06	22.59	22.73
5	12	0		22.10	21.65	21.94
5	12	6		22.22	21.76	22.01
5	12	11		22.16	21.70	21.89
5	25	0		22.15	21.68	21.93
5	1	0	16-QAM	22.35	22.25	22.25
5	1	12		22.76	22.67	22.59
5	1	24		22.47	22.20	22.17
5	12	0		21.17	20.71	20.96
5	12	6		21.26	20.80	20.95
5	12	11		21.18	20.75	20.88
5	25	0		21.16	20.69	21.04
10	1	0	QPSK	23.11	22.77	23.02
10	1	24		23.28	22.81	23.10
10	1	49		23.16	22.75	22.90
10	25	0		22.24	21.73	22.10
10	25	12		22.23	21.74	22.03
10	25	24		22.21	21.74	21.93
10	50	0		22.19	21.75	22.07
10	1	0	16-QAM	22.55	21.93	21.94
10	1	24		22.77	22.06	22.03
10	1	49		22.67	21.92	21.76
10	25	0		21.25	20.77	21.18
10	25	12		21.28	20.76	21.03
10	25	24		21.27	20.81	20.98
10	50	0		21.22	20.84	21.07



LTE BAND 2

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.04	22.72	22.81
15	1	37		23.50	23.01	23.26
15	1	74		23.03	22.59	22.75
15	36	0		22.27	21.74	22.07
15	36	18		22.28	21.78	22.06
15	36	39		22.23	21.74	22.00
15	75	0		22.23	21.78	22.02
15	1	0	16-QAM	22.27	21.90	22.28
15	1	38		22.75	22.03	22.73
15	1	75		22.24	21.76	22.26
15	36	0		21.32	20.72	21.09
15	36	18		21.37	20.75	21.12
15	36	39		21.26	20.74	21.00
15	75	0		21.21	20.84	21.01
20	1	0	QPSK	22.91	22.68	22.58
20	1	49		23.29	22.87	23.12
20	1	99		22.70	22.59	22.63
20	50	0		22.30	21.80	22.02
20	50	24		22.25	21.76	22.03
20	50	49		22.16	21.79	21.96
20	100	0		22.23	21.80	21.97
20	1	0	16-QAM	22.24	22.00	21.88
20	1	49		22.62	22.17	22.41
20	1	99		22.13	21.83	22.00
20	50	0		21.39	20.82	21.14
20	50	24		21.31	20.79	21.10
20	50	49		21.22	20.86	21.05
20	100	0		21.30	20.86	21.08



LTE BAND 4

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	22.84	23.14	23.31
1.4	1	2		22.93	23.29	23.51
1.4	1	5		22.76	23.10	23.36
1.4	3	0		22.83	23.28	23.45
1.4	3	1		22.86	23.24	23.41
1.4	3	2		22.87	23.28	23.41
1.4	6	0		21.75	22.17	22.33
1.4	1	0	16-QAM	21.99	22.35	22.22
1.4	1	2		22.07	22.50	22.39
1.4	1	5		21.97	22.36	22.23
1.4	3	0		22.08	22.50	22.63
1.4	3	1		22.11	22.56	22.67
1.4	3	2		22.08	22.56	22.63
1.4	6	0		20.98	21.36	21.58
3	1	0	QPSK	22.82	23.19	23.30
3	1	7		23.13	23.48	23.52
3	1	14		22.84	23.19	23.45
3	8	0		21.72	22.17	22.35
3	8	4		21.73	22.21	22.39
3	8	7		21.73	22.25	22.41
3	15	0		21.74	22.17	22.37
3	1	0	16-QAM	21.73	22.64	22.52
3	1	7		22.11	22.96	22.92
3	1	14		21.70	22.63	22.54
3	8	0		20.77	21.26	21.42
3	8	4		20.79	21.28	21.44
3	8	7		20.79	21.26	21.40
3	15	0		20.87	21.26	21.33



LTE BAND 4

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.68	22.96	23.23
5	1	12		23.19	23.46	23.67
5	1	24		22.63	23.06	23.30
5	12	0		21.71	22.12	22.33
5	12	6		21.75	22.26	22.42
5	12	11		21.76	22.21	22.40
5	25	0		21.73	22.22	22.37
5	1	0	16-QAM	22.08	22.36	22.79
5	1	12		22.45	22.85	23.36
5	1	24		21.98	22.51	22.83
5	12	0		20.66	21.22	21.38
5	12	6		20.75	21.36	21.46
5	12	11		20.72	21.27	21.41
5	25	0		20.82	21.21	21.39
10	1	0	QPSK	22.79	23.01	23.26
10	1	24		22.86	23.23	23.31
10	1	49		22.75	23.21	23.35
10	25	0		21.72	22.15	22.35
10	25	12		21.78	22.25	22.42
10	25	24		21.82	22.29	22.39
10	50	0		21.79	22.27	22.41
10	1	0	16-QAM	21.63	22.46	22.49
10	1	24		21.76	22.72	22.61
10	1	49		21.66	22.67	22.49
10	25	0		20.73	21.26	21.42
10	25	12		20.82	21.31	21.43
10	25	24		20.84	21.37	21.45
10	50	0		20.87	21.35	21.48



LTE BAND 4

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	22.69	22.79	23.25
15	1	37		23.05	23.40	23.56
15	1	74		22.82	23.16	23.20
15	36	0		21.72	22.11	22.33
15	36	18		21.80	22.24	22.39
15	36	39		21.87	22.33	22.30
15	75	0		21.83	22.23	22.39
15	1	0	16-QAM	21.80	22.32	22.43
15	1	38		22.21	23.03	22.82
15	1	75		21.89	22.64	22.45
15	36	0		20.69	21.15	21.44
15	36	18		20.78	21.30	21.44
15	36	39		20.84	21.40	21.43
15	75	0		20.89	21.24	21.36
20	1	0	QPSK	22.59	22.62	23.00
20	1	49		22.94	23.26	23.43
20	1	99		22.87	23.06	23.05
20	50	0		21.70	22.06	22.32
20	50	24		21.86	22.24	22.39
20	50	49		21.88	22.24	22.32
20	100	0		21.80	22.20	22.35
20	1	0	16-QAM	21.83	21.95	22.37
20	1	49		22.22	22.54	22.78
20	1	99		22.16	22.37	22.48
20	50	0		20.70	21.17	21.40
20	50	24		20.90	21.34	21.49
20	50	49		20.94	21.33	21.44
20	100	0		20.91	21.23	21.39



LTE BAND 5

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	22.12	22.32	22.74
1.4	1	2		22.32	22.53	22.87
1.4	1	5		22.14	22.42	22.66
1.4	3	0		22.20	22.28	22.83
1.4	3	1		22.20	22.33	22.82
1.4	3	2		22.25	22.42	22.77
1.4	6	0		21.16	21.34	21.79
1.4	1	0	16-QAM	21.04	21.42	21.97
1.4	1	2		21.19	21.59	22.02
1.4	1	5		21.00	21.50	21.93
1.4	3	0		21.33	21.49	21.98
1.4	3	1		21.34	21.51	22.04
1.4	3	2		21.34	21.48	21.99
1.4	6	0		20.33	20.50	20.95
3	1	0	QPSK	22.14	22.25	22.81
3	1	7		22.39	22.63	22.98
3	1	14		22.05	22.42	22.72
3	8	0		21.06	21.26	21.83
3	8	4		21.07	21.32	21.84
3	8	7		21.02	21.31	21.77
3	15	0		21.04	21.27	21.80
3	1	0	16-QAM	21.33	21.08	22.13
3	1	7		21.42	21.45	22.39
3	1	14		21.21	21.26	22.13
3	8	0		20.09	20.24	20.84
3	8	4		20.09	20.30	20.83
3	8	7		20.06	20.34	20.81
3	15	0		20.01	20.33	20.80



LTE BAND 5

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	21.98	22.10	22.67
5	1	12		22.31	22.57	23.17
5	1	24		21.92	22.38	22.69
5	12	0		21.07	21.19	21.76
5	12	6		21.09	21.35	21.84
5	12	11		20.96	21.32	21.73
5	25	0		21.07	21.30	21.78
5	1	0	16-QAM	21.38	21.57	21.93
5	1	12		21.64	22.09	22.36
5	1	24		21.23	21.92	22.02
5	12	0		20.07	20.16	20.72
5	12	6		20.10	20.33	20.77
5	12	11		19.98	20.34	20.69
5	25	0		20.01	20.28	20.84
10	1	0	QPSK	22.09	22.17	22.47
10	1	24		22.06	22.41	22.80
10	1	49		22.08	22.64	22.72
10	25	0		21.08	21.25	21.72
10	25	12		21.01	21.29	21.74
10	25	24		21.08	21.49	21.76
10	50	0		21.06	21.31	21.74
10	1	0	16-QAM	21.27	20.96	21.94
10	1	24		21.27	21.27	22.14
10	1	49		21.25	21.52	22.16
10	25	0		20.08	20.25	20.77
10	25	12		20.04	20.33	20.74
10	25	24		20.07	20.47	20.78
10	50	0		20.14	20.34	20.78



LTE BAND 13

LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	22.90	22.68	22.54
1.4	1	2		23.08	23.07	22.86
1.4	1	5		22.64	22.54	22.44
1.4	3	0		21.76	21.70	21.61
1.4	3	1		21.85	21.71	21.71
1.4	3	2		21.79	21.65	21.59
1.4	6	0		21.81	21.70	21.70
1.4	1	0	16-QAM	22.42	22.05	21.94
1.4	1	2		22.68	22.37	22.30
1.4	1	5		22.25	21.92	21.89
1.4	3	0		20.78	20.73	20.71
1.4	3	1		20.86	20.69	20.70
1.4	3	2		20.76	20.57	20.61
1.4	6	0		20.78	20.74	20.67
3	1	0	QPSK	22.88	22.74	23.17
3	1	7		22.77	23.10	23.57
3	1	14		22.57	22.72	23.23
3	8	0		21.70	21.73	22.24
3	8	4		21.72	21.86	22.34
3	8	7		21.67	21.85	22.31
3	15	0		21.68	21.81	22.31
3	1	0	16-QAM	22.30	22.26	22.51
3	1	7		22.23	22.56	23.07
3	1	14		22.03	22.28	22.53
3	8	0		20.77	20.81	21.23
3	8	4		20.76	20.89	21.33
3	8	7		20.70	20.88	21.27
3	15	0		20.71	20.79	21.38



LTE Band 38

LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	21.01	21.18	21.52
5	1	12		21.30	21.44	21.87
5	1	24		21.01	21.13	21.67
5	12	0		20.07	20.30	20.63
5	12	6		20.10	20.33	20.70
5	12	11		20.06	20.25	20.67
5	25	0		20.08	20.25	20.61
5	1	0	16-QAM	20.29	20.53	21.10
5	1	12		20.56	20.77	21.48
5	1	24		20.27	20.46	21.25
5	12	0		19.02	19.31	19.62
5	12	6		19.08	19.34	19.70
5	12	11		18.99	19.26	19.68
5	25	0		19.09	19.20	19.58
10	1	0	QPSK	21.09	21.35	21.47
10	1	24		21.21	21.44	21.71
10	1	49		21.06	21.26	21.70
10	25	0		20.11	20.38	20.53
10	25	12		20.11	20.34	20.56
10	25	24		20.12	20.30	20.62
10	50	0		20.11	20.32	20.57
10	1	0	16-QAM	20.58	20.47	20.42
10	1	24		20.69	20.56	20.64
10	1	49		20.54	20.38	20.65
10	25	0		19.15	19.37	19.55
10	25	12		19.15	19.35	19.58
10	25	24		19.17	19.32	19.62
10	50	0		19.11	19.37	19.58



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	21.05	21.37	21.31
15	1	37		21.41	21.56	21.72
15	1	74		21.02	21.19	21.58
15	36	0		20.14	20.36	20.47
15	36	18		20.19	20.39	20.57
15	36	39		20.19	20.28	20.57
15	75	0		20.14	20.32	20.47
15	1	0	16-QAM	20.17	20.54	20.69
15	1	38		20.50	20.71	21.06
15	1	75		20.14	20.33	21.04
15	36	0		19.19	19.32	19.47
15	36	18		19.22	19.34	19.57
15	36	39		19.22	19.25	19.73
15	75	0		19.13	19.34	19.63
20	1	0	QPSK	20.98	21.19	21.23
20	1	49		21.38	21.51	21.72
20	1	99		20.94	21.05	21.57
20	50	0		20.17	20.42	20.44
20	50	24		20.24	20.41	20.51
20	50	49		20.20	20.31	20.60
20	100	0		20.19	20.34	20.52
20	1	0	16-QAM	20.14	20.48	20.43
20	1	49		20.53	20.76	20.90
20	1	99		20.10	20.34	20.76
20	50	0		19.22	19.49	19.44
20	50	24		19.30	19.47	19.52
20	50	49		19.25	19.39	19.58
20	100	0		19.22	19.38	19.50



LTE Band 40

LTE Band40(2305-2315) Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	21.69	21.61	21.57
5	1	12		21.92	21.81	21.81
5	1	24		21.59	21.51	21.49
5	12	0		20.65	20.63	20.60
5	12	6		20.76	20.71	20.66
5	12	11		20.66	20.61	20.55
5	25	0		20.64	20.62	20.59
5	1	0	16-QAM	21.03	20.99	21.26
5	1	12		21.24	21.23	21.47
5	1	24		20.92	20.88	21.17
5	12	0		19.65	19.69	19.62
5	12	6		19.74	19.75	19.71
5	12	11		19.64	19.66	19.60
5	25	0		19.74	19.62	19.58
10	1	0	QPSK	N/A	21.73	N/A
10	1	24		N/A	21.79	N/A
10	1	49		N/A	21.53	N/A
10	25	0		N/A	20.77	N/A
10	25	12		N/A	20.70	N/A
10	25	24		N/A	20.66	N/A
10	50	0		N/A	20.59	N/A
10	1	0	16-QAM	N/A	21.26	N/A
10	1	24		N/A	21.32	N/A
10	1	49		N/A	21.06	N/A
10	25	0		N/A	19.86	N/A
10	25	12		N/A	19.76	N/A
10	25	24		N/A	19.70	N/A
10	50	0		N/A	19.68	N/A



LTE Band40(2350-2360) Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	21.46	21.37	21.28
5	1	12		21.62	21.57	21.52
5	1	24		21.31	21.26	21.06
5	12	0		20.46	20.33	20.31
5	12	6		20.50	20.40	20.39
5	12	11		20.41	20.33	20.35
5	25	0		20.46	20.38	20.35
5	1	0	16-QAM	21.14	20.68	20.67
5	1	12		21.31	20.92	20.90
5	1	24		21.00	20.60	20.55
5	12	0		19.48	19.34	19.38
5	12	6		19.53	19.41	19.45
5	12	11		19.43	19.34	19.39
5	25	0		19.43	19.44	19.37
10	1	0	QPSK	N/A	21.46	N/A
10	1	24		N/A	21.52	N/A
10	1	49		N/A	21.40	N/A
10	25	0		N/A	20.41	N/A
10	25	12		N/A	20.42	N/A
10	25	24		N/A	20.42	N/A
10	50	0		N/A	20.44	N/A
10	1	0	16-QAM	N/A	21.00	N/A
10	1	24		N/A	21.06	N/A
10	1	49		N/A	20.88	N/A
10	25	0		N/A	19.47	N/A
10	25	12		N/A	19.49	N/A
10	25	24		N/A	19.50	N/A
10	50	0		N/A	19.47	N/A



LTE Band 41

LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.00	21.38	22.23
5	1	12		22.29	21.64	22.53
5	1	24		21.96	21.29	22.25
5	12	0		21.05	20.48	21.31
5	12	6		21.09	20.55	21.34
5	12	11		21.07	20.44	21.29
5	25	0		21.08	20.44	21.30
5	1	0	16-QAM	21.28	20.73	21.82
5	1	12		21.54	20.97	22.10
5	1	24		21.28	20.64	21.81
5	12	0		20.01	19.50	20.30
5	12	6		20.07	19.57	20.38
5	12	11		20.02	19.43	20.31
5	25	0		20.08	19.42	20.31
10	1	0	QPSK	22.01	21.56	22.25
10	1	24		22.13	21.64	22.52
10	1	49		21.87	21.44	22.32
10	25	0		21.06	20.57	21.33
10	25	12		21.07	20.54	21.31
10	25	24		21.02	20.48	21.31
10	50	0		21.06	20.50	21.35
10	1	0	16-QAM	21.50	20.66	21.21
10	1	24		21.63	20.77	21.43
10	1	49		21.37	20.55	21.28
10	25	0		20.09	19.56	20.40
10	25	12		20.10	19.57	20.33
10	25	24		20.04	19.48	20.34
10	50	0		20.07	19.55	20.35



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	21.99	21.57	22.23
15	1	37		22.22	21.79	22.65
15	1	74		21.74	21.38	22.39
15	36	0		21.05	20.57	21.42
15	36	18		21.07	20.55	21.49
15	36	39		21.01	20.49	21.47
15	75	0		21.03	20.52	21.46
15	1	0	16-QAM	21.13	20.70	21.70
15	1	38		21.35	20.98	22.12
15	1	75		20.89	20.51	21.84
15	36	0		20.09	19.50	20.42
15	36	18		20.10	19.49	20.50
15	36	39		20.04	19.43	20.50
15	75	0		20.00	19.54	20.47
20	1	0	QPSK	21.84	21.37	22.00
20	1	49		22.08	21.63	22.54
20	1	99		21.48	21.17	22.25
20	50	0		20.97	20.53	21.35
20	50	24		20.93	20.50	21.39
20	50	49		20.87	20.43	21.33
20	100	0		20.93	20.50	21.35
20	1	0	16-QAM	21.03	20.54	21.17
20	1	49		21.28	20.81	21.77
20	1	99		20.65	20.33	21.46
20	50	0		19.94	19.59	20.36
20	50	24		19.94	19.54	20.43
20	50	49		19.85	19.49	20.37
20	100	0		19.95	19.53	20.38



LTE Band 66

LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	22.73	23.17	23.53
1.4	1	2		22.74	23.27	23.68
1.4	1	5		22.65	23.19	23.54
1.4	3	0		22.69	23.34	23.60
1.4	3	1		22.69	23.31	23.60
1.4	3	2		22.71	23.32	23.61
1.4	6	0		21.61	22.21	22.54
1.4	1	0	16-QAM	21.83	22.46	22.34
1.4	1	2		22.00	22.54	22.51
1.4	1	5		21.83	22.43	22.36
1.4	3	0		21.92	22.58	22.74
1.4	3	1		21.88	22.60	22.72
1.4	3	2		21.87	22.60	22.78
1.4	6	0		20.84	21.43	21.70
3	1	0	QPSK	22.64	23.21	23.59
3	1	7		22.90	23.54	24.04
3	1	14		22.61	23.27	23.64
3	8	0		21.59	22.23	22.60
3	8	4		21.60	22.30	22.59
3	8	7		21.62	22.31	22.54
3	15	0		21.58	22.28	22.58
3	1	0	16-QAM	22.17	22.46	22.45
3	1	7		22.41	22.73	22.75
3	1	14		22.04	22.52	22.42
3	8	0		20.66	21.29	21.62
3	8	4		20.67	21.32	21.63
3	8	7		20.66	21.33	21.58
3	15	0		20.66	21.28	21.68



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.53	23.23	23.40
5	1	12		22.92	23.48	23.80
5	1	24		22.44	23.19	23.37
5	12	0		21.56	22.29	22.62
5	12	6		21.63	22.31	22.63
5	12	11		21.63	22.30	22.52
5	25	0		21.61	22.28	22.61
5	1	0	16-QAM	22.13	22.56	22.83
5	1	12		22.54	22.93	23.18
5	1	24		22.07	22.55	22.79
5	12	0		20.67	21.27	21.68
5	12	6		20.68	21.28	21.68
5	12	11		20.67	21.30	21.61
5	25	0		20.64	21.38	21.62
10	1	0	QPSK	22.71	23.23	23.55
10	1	24		22.71	23.31	23.70
10	1	49		22.64	23.22	23.51
10	25	0		21.58	22.29	22.66
10	25	12		21.62	22.30	22.67
10	25	24		21.65	22.28	22.62
10	50	0		21.65	22.31	22.65
10	1	0	16-QAM	21.50	22.71	22.72
10	1	24		21.59	22.80	22.88
10	1	49		21.51	22.71	22.75
10	25	0		20.63	21.35	21.69
10	25	12		20.67	21.40	21.66
10	25	24		20.68	21.34	21.60
10	50	0		20.70	21.38	21.74

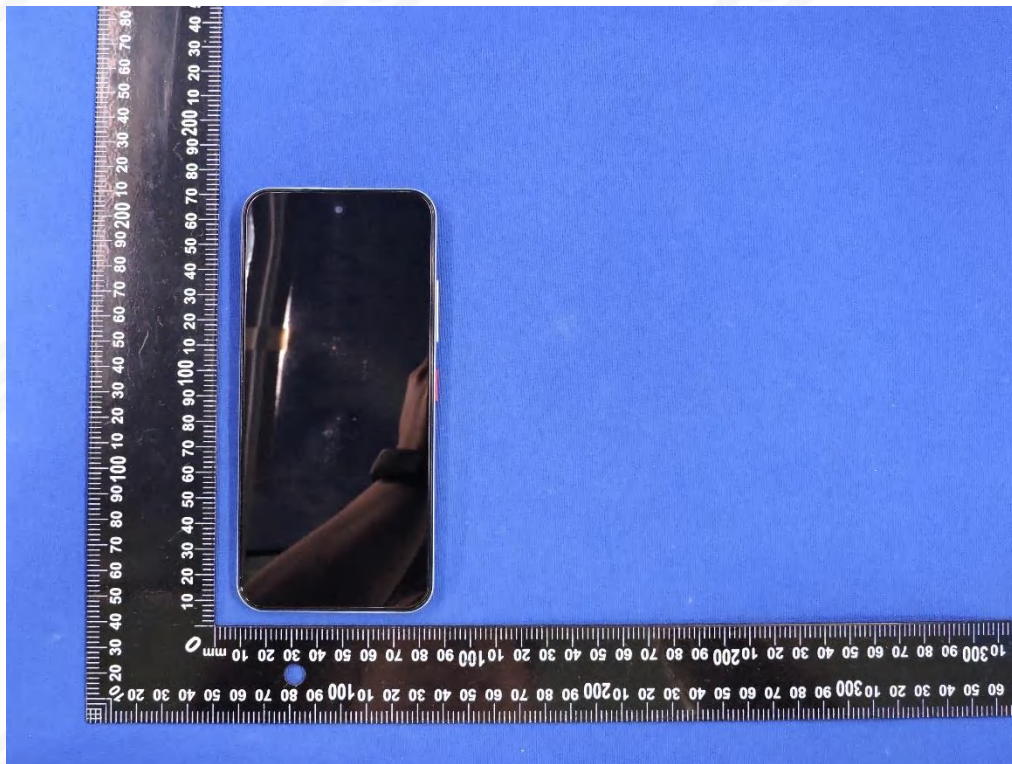


LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	22.59	23.10	23.44
15	1	37		22.85	23.51	23.84
15	1	74		22.73	23.12	23.46
15	36	0		21.58	22.28	22.65
15	36	18		21.67	22.35	22.71
15	36	39		21.74	22.32	22.68
15	75	0		21.69	22.31	22.63
15	1	0	16-QAM	21.71	22.58	22.64
15	1	38		22.02	22.96	22.85
15	1	75		21.84	22.61	22.65
15	36	0		20.52	21.32	21.70
15	36	18		20.64	21.35	21.74
15	36	39		20.75	21.34	21.71
15	75	0		20.74	21.31	21.64
20	1	0	QPSK	22.36	22.91	23.20
20	1	49		22.73	23.36	23.72
20	1	99		22.75	23.02	23.38
20	50	0		21.54	22.27	22.47
20	50	24		21.73	22.30	22.60
20	50	49		21.80	22.26	22.57
20	100	0		21.67	22.25	22.49
20	1	0	16-QAM	21.65	22.32	22.44
20	1	49		22.00	22.76	22.91
20	1	99		22.01	22.42	22.61
20	50	0		20.61	21.36	21.51
20	50	24		20.82	21.40	21.65
20	50	49		20.90	21.37	21.56
20	100	0		20.74	21.35	21.58

10. EUT and Test Setup Photo

10.1 EUT Photo

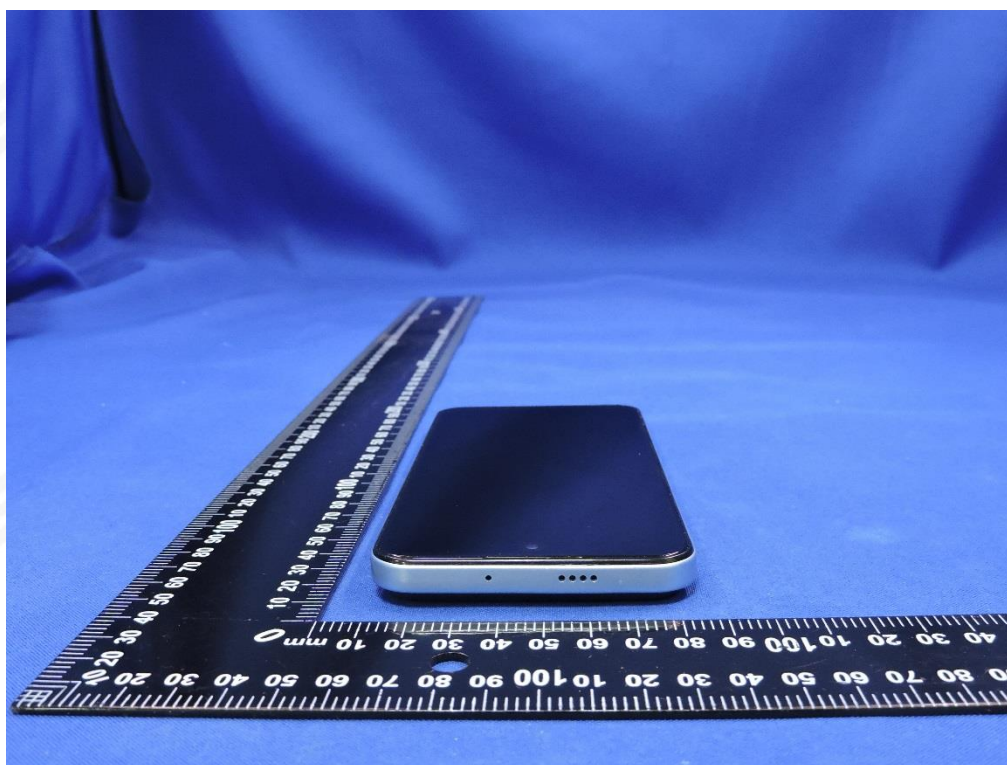
Front side



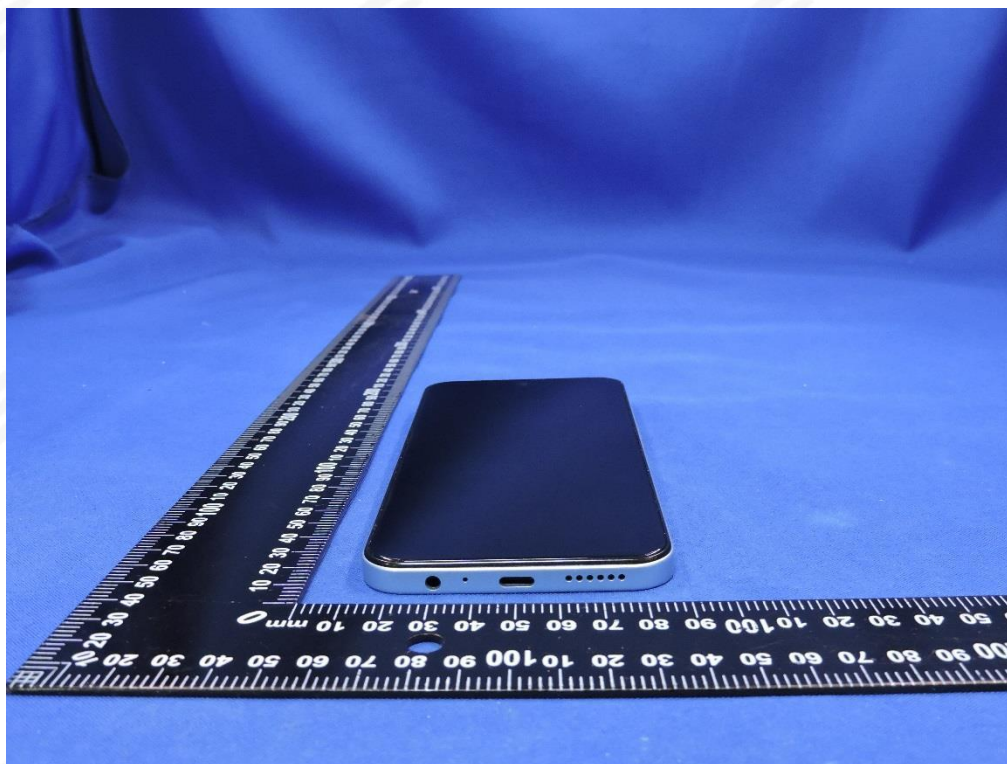
Back side



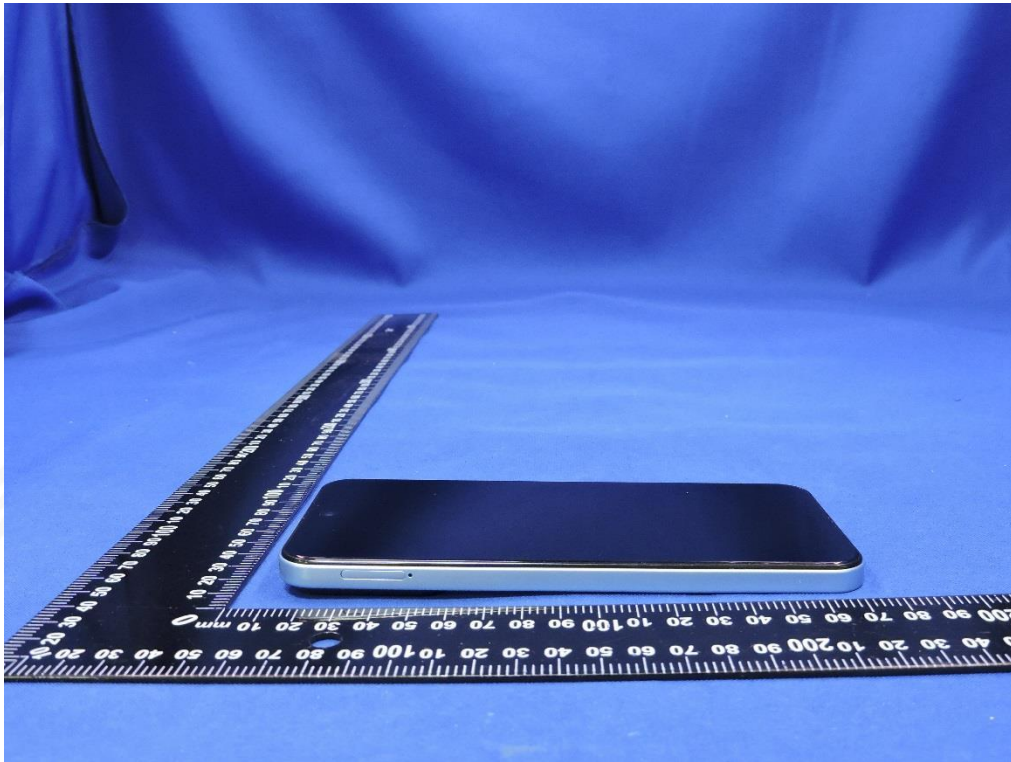
Top side



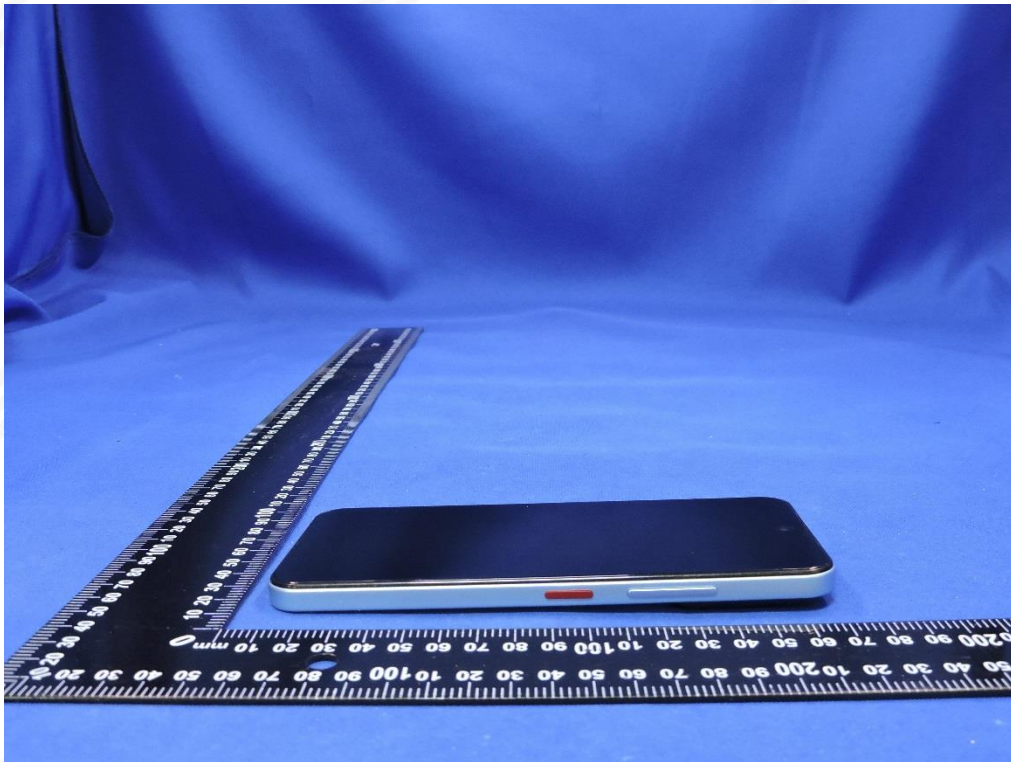
Bottom side



Left side



Right side

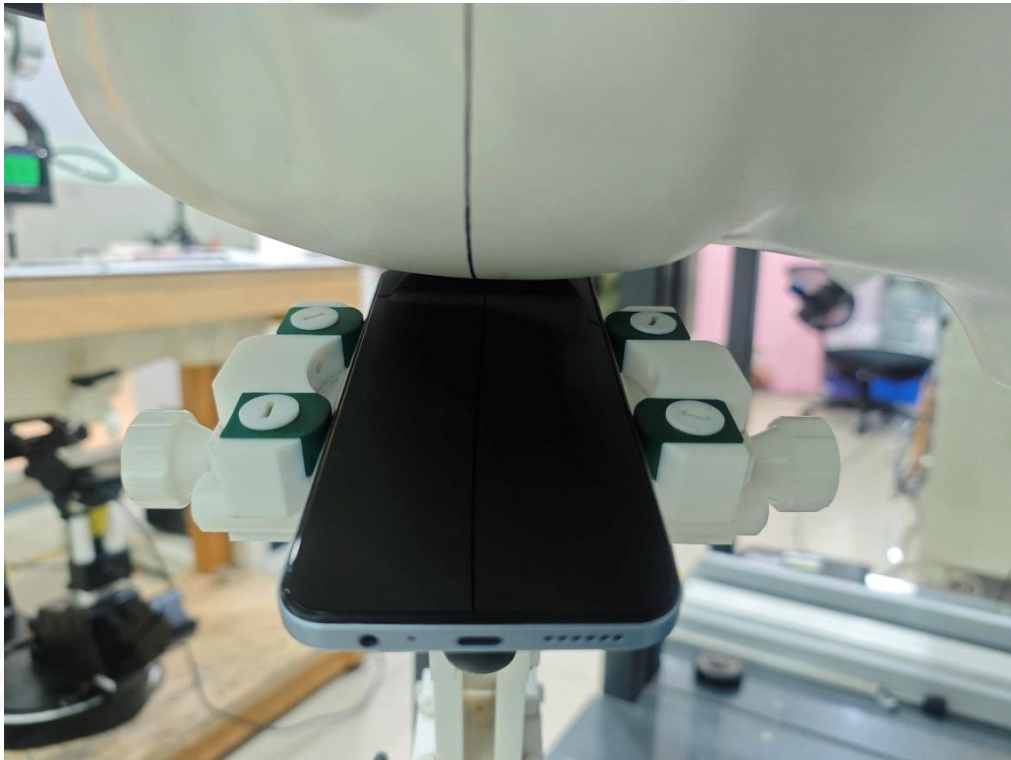


10.2 Setup Photo

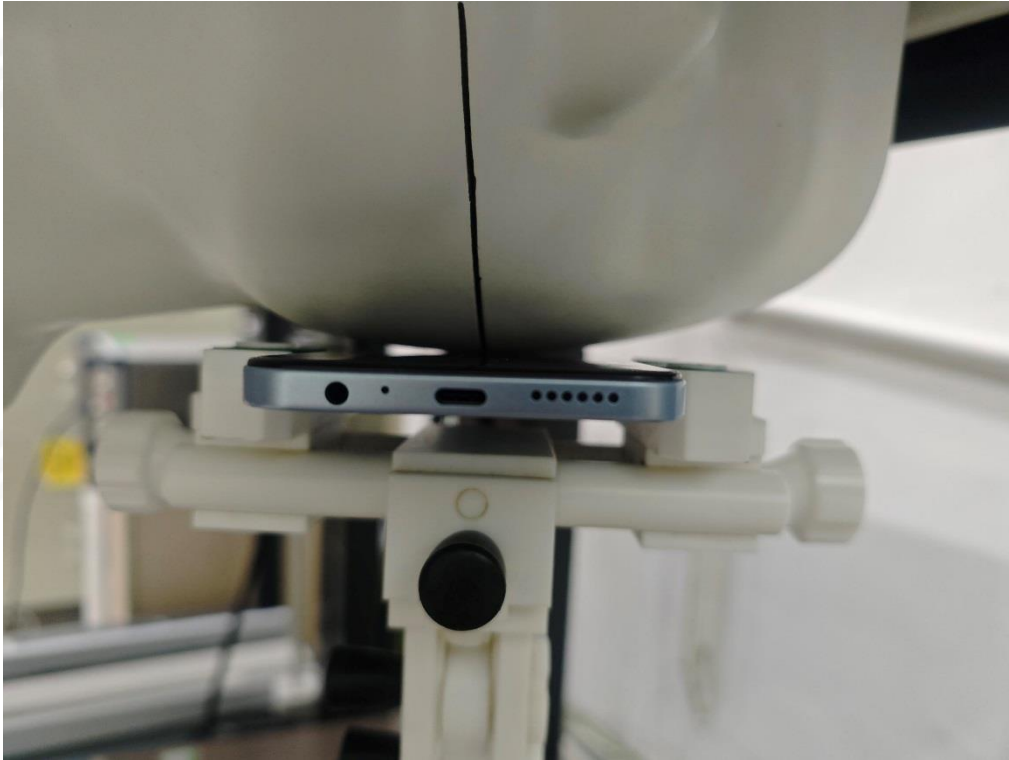
Right Touch



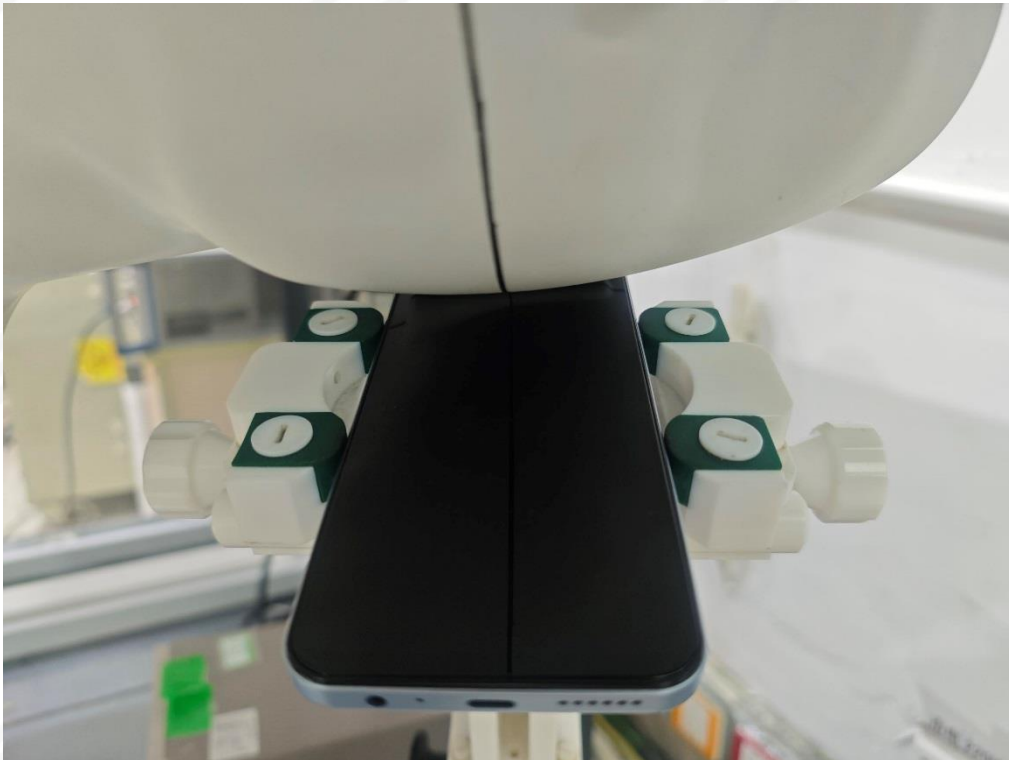
Right Cheek



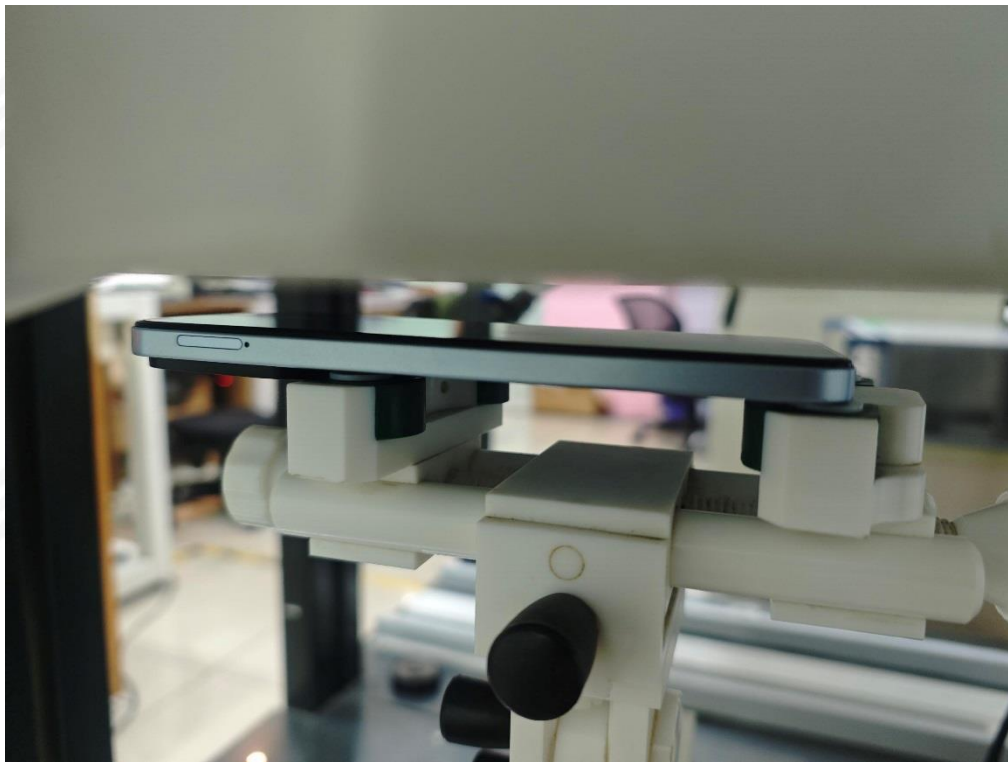
Left Touch



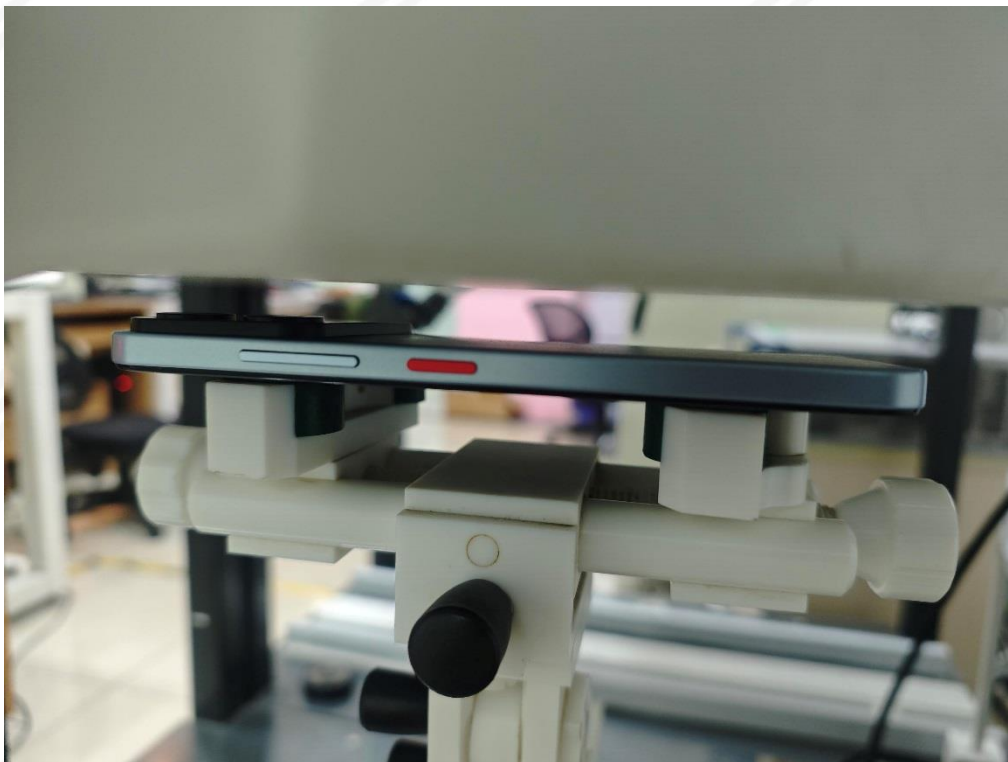
Left Cheek



Body Front side(separation distance is 10mm)



Body Back side(separation distance is 10mm)



Body Left side(separation distance is 10mm)



Body Right side(separation distance is 10mm)



Body Bottom side(separation distance is 10mm)

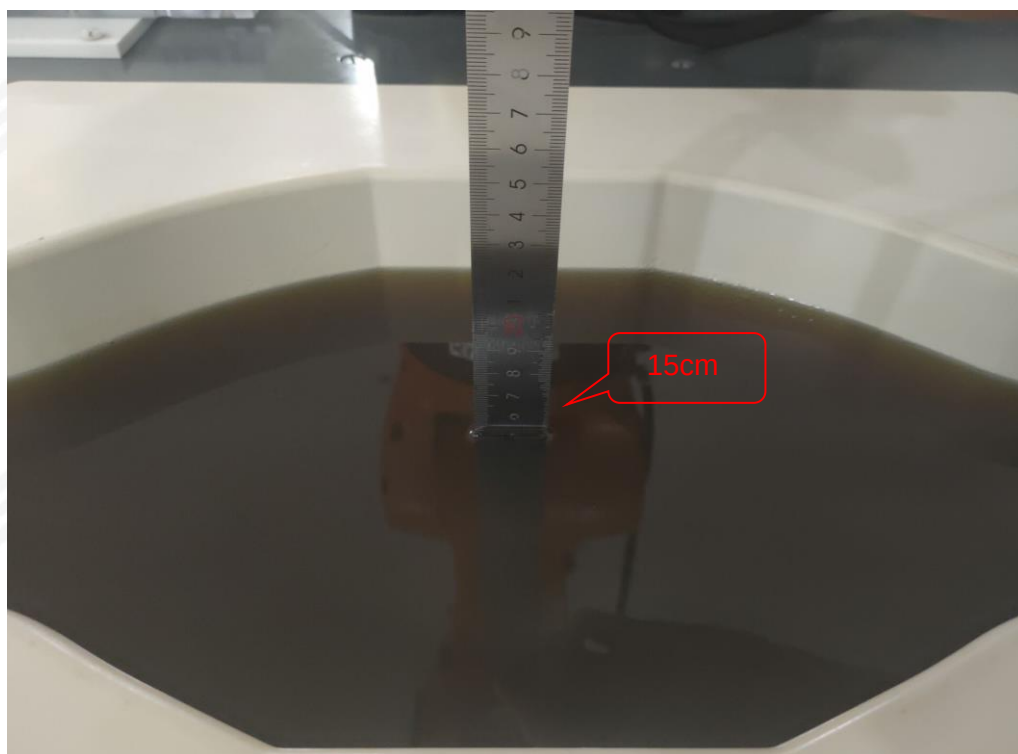


Body Top side(separation distance is 10mm)





Liquid depth (15 cm)





11. SAR Result Summary

11.1 Head SAR

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift(%)	Max. Turn-up Power(dBm)	Meas. Output Power(dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas.No.
GSM850	N/A	GSM	N/A	N/A	Right Cheek	836.6	0.301	-3.22	23.50	23.43	1.016	0.306	1
					Right Tilt	836.6	0.162	-1.05	23.50	23.43	1.016	0.165	/
					Left Cheek	836.6	0.274	-0.44	23.50	23.43	1.016	0.278	/
					Left Tilt	836.6	0.155	0.33	23.50	23.43	1.016	0.158	/
GSM1900	N/A	EGPRS(8PSK, 2-Slot)	N/A	N/A	Right Cheek	1850.2	0.163	-2.54	30.00	29.94	1.014	0.165	3
					Right Tilt	1850.2	0.058	3.22	30.00	29.94	1.014	0.059	/
					Left Cheek	1850.2	0.146	-2.01	30.00	29.94	1.014	0.148	/
					Left Tilt	1850.2	0.051	-1.29	30.00	29.94	1.014	0.052	/
WCDMA Band II	N/A	RMC	N/A	N/A	Right Cheek	1880	0.201	2.07	23.50	23.08	1.102	0.221	5
					Right Tilt	1880	0.113	2.39	23.50	23.08	1.102	0.124	/
					Left Cheek	1880	0.186	2.25	23.50	23.08	1.102	0.205	/
					Left Tilt	1880	0.105	1.55	23.50	23.08	1.102	0.116	/
WCDMA Band IV	N/A	RMC	N/A	N/A	Right Cheek	1712.6	0.045	-3.90	24.00	23.84	1.038	0.047	7
					Right Tilt	1712.6	0.028	-3.55	24.00	23.84	1.038	0.029	/
					Left Cheek	1712.6	0.042	1.83	24.00	23.84	1.038	0.044	/
					Left Tilt	1712.6	0.025	3.70	24.00	23.84	1.038	0.026	/
WCDMA Band V	N/A	RMC	N/A	N/A	Right Cheek	826.4	0.193	0.64	24.00	23.71	1.069	0.206	9
					Right Tilt	826.4	0.088	-1.47	24.00	23.71	1.069	0.094	/
					Left Cheek	826.4	0.176	2.54	24.00	23.71	1.069	0.188	/
					Left Tilt	826.4	0.079	0.70	24.00	23.71	1.069	0.084	/
2.4G WLAN	N/A	802.11b	N/A	N/A	Right Cheek	2462	0.177	-2.63	16.00	15.67	1.079	0.191	11
					Right Tilt	2462	0.085	-0.04	16.00	15.67	1.079	0.092	/
					Left Cheek	2462	0.163	-2.62	16.00	15.67	1.079	0.176	/
					Left Tilt	2462	0.075	0.05	16.00	15.67	1.079	0.081	/
BT	N/A	GFSK	N/A	N/A	Right Cheek	2480	0.088	1.46	4.50	4.22	1.067	0.094	13
					Right Tilt	2480	0.036	-0.42	4.50	4.22	1.067	0.038	/
					Left Cheek	2480	0.075	-0.86	4.50	4.22	1.067	0.080	/
					Left Tilt	2480	0.033	-2.45	4.50	4.22	1.067	0.035	/
5.2G WLAN	N/A	802.11a	N/A	N/A	Right Cheek	5180	0.136	0.12	12.50	12.19	1.074	0.146	15
					Right Tilt	5180	0.088	-0.34	12.50	12.19	1.074	0.095	/
					Left Cheek	5180	0.125	-1.13	12.50	12.19	1.074	0.134	/
					Left Tilt	5180	0.079	-0.21	12.50	12.19	1.074	0.085	/
5.3G WLAN	N/A	802.11a	N/A	N/A	Right Cheek	5300	0.144	2.05	13.00	12.52	1.117	0.161	17
					Right Tilt	5300	0.076	2.53	13.00	12.52	1.117	0.085	/
					Left Cheek	5300	0.131	2.53	13.00	12.52	1.117	0.146	/
					Left Tilt	5300	0.058	-2.61	13.00	12.52	1.117	0.065	/
5.8G WLAN	N/A	802.11a	N/A	N/A	Right Cheek	5745	0.169	2.93	10.50	10.37	1.030	0.174	19
					Right Tilt	5745	0.120	0.17	10.50	10.37	1.030	0.124	/
					Left Cheek	5745	0.162	-3.21	10.50	10.37	1.030	0.167	/
					Left Tilt	5745	0.114	2.28	10.50	10.37	1.030	0.117	/
LTE Band 2	10M	QPSK	1	0	Right Cheek	1860	0.226	-1.58	23.5	23.29	1.050	0.237	21
			1	0	Right Tilt	1860	0.121	-1.44	23.5	23.29	1.050	0.127	/
			1	0	Left Cheek	1860	0.214	-3.05	23.5	23.29	1.050	0.225	/
			1	0	Left Tilt	1860	0.109	2.89	23.5	23.29	1.050	0.114	/
LTE Band 5	10M	QPSK	1	0	Right Cheek	844	0.206	-2.34	23	22.8	1.047	0.216	23
			1	0	Right Tilt	844	0.084	-1.01	23	22.8	1.047	0.088	/
			1	0	Left Cheek	844	0.177	2.42	23	22.8	1.047	0.185	/
			1	0	Left Tilt	844	0.075	1.31	23	22.8	1.047	0.079	/
LTE Band 13	10M	QPSK	1	0	Right Cheek	782	0.094	-3.57	24	23.57	1.104	0.104	25
			1	0	Right Tilt	782	0.042	-1.42	24	23.57	1.104	0.046	/
			1	0	Left Cheek	782	0.088	2.96	24	23.57	1.104	0.097	/
			1	0	Left Tilt	782	0.039	-2.66	24	23.57	1.104	0.043	/
LTE Band 38	20M	QPSK	1	0	Right Cheek	2610	0.028	3.40	22	21.72	1.067	0.030	27
			1	0	Right Tilt	2610	0.010	1.48	22	21.72	1.067	0.011	/
			1	0	Left Cheek	2610	0.025	-2.32	22	21.72	1.067	0.027	/
			1	0	Left Tilt	2610	0.009	0.67	22	21.72	1.067	0.010	/
LTE Band 40	20M	QPSK	1	0	Right Cheek	2315	0.019	-0.25	22	21.79	1.050	0.020	29
			1	0	Right Tilt	2315	0.008	-1.35	22	21.79	1.050	0.008	/
			1	0	Left Cheek	2315	0.017	-0.92	22	21.79	1.050	0.018	/
			1	0	Left Tilt	2315	0.006	0.35	22	21.79	1.050	0.006	/
LTE Band 41	20M	QPSK	1	0	Right Cheek	2680	0.026	-3.01	23	22.54	1.112	0.029	31
			1	0	Right Tilt	2680	0.015	-1.57	23	22.54	1.112	0.017	/
			1	0	Left Cheek	2680	0.022	-3.45	23	22.54	1.112	0.024	/
			1	0	Left Tilt	2680	0.013	2.62	23	22.54	1.112	0.014	/
LTE Band 66/4	20M	QPSK	1	0	Right Cheek	1770	0.102	-1.70	24	23.72	1.067	0.109	33
			1	0	Right Tilt	1770	0.056	-3.06	24	23.72	1.067	0.060	/
			1	0	Left Cheek	1770	0.094	3.36	24	23.72	1.067	0.100	/
			1	0	Left Tilt	1770	0.049	3.05	24	23.72	1.067	0.052	/



Note:

1. Per KDB 447498 D01 v06, 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
2. Per KDB 865664 D01, Repeated measurement is not required when the original highest measured SAR is <0.80 W/kg
3. 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 **0.234** W/Kg for Body)

**11.2 Body-worn and Hotspot SAR**

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift(%)	Max. Turn-up Power(dBm)	Meas. Output Power(dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas.No.
GSM850	N/A	EGPRS(8PSK, 2-Slot)	N/A	N/A	Front Side	848.8	0.162	2.40	27.00	26.69	1.074	0.174	/
					Back Side	848.8	0.285	0.16	27.00	26.69	1.074	0.306	2
					Left Side	848.8	0.075	0.69	27.00	26.69	1.074	0.081	/
					Right Side	848.8	0.143	-1.79	27.00	26.69	1.074	0.154	/
					Top Side	848.8	0.015	-0.34	27.00	26.69	1.074	0.016	/
					Bottom Side	848.8	0.099	2.95	27.00	26.69	1.074	0.106	/
					Front Side	1850.2	0.237	1.18	29.50	29.15	1.084	0.257	/
					Back Side	1850.2	0.476	2.36	29.50	29.15	1.084	0.516	4
GSM1900	N/A	GPRS (GMSK, 2-Slot)	N/A	N/A	Left Side	1850.2	0.140	-1.53	29.50	29.15	1.084	0.152	/
					Right Side	1850.2	0.192	2.02	29.50	29.15	1.084	0.208	/
					Top Side	1850.2	0.042	-2.74	29.50	29.15	1.084	0.046	/
					Bottom Side	1850.2	0.226	2.83	29.50	29.15	1.084	0.245	/
					Front Side	1880	0.176	-3.27	23.50	23.08	1.102	0.194	/
					Back Side	1880	0.269	-2.58	23.50	23.08	1.102	0.296	6
					Left Side	1880	0.093	1.27	23.50	23.08	1.102	0.102	/
					Right Side	1880	0.139	-3.93	23.50	23.08	1.102	0.153	/
WCDMA Band II	N/A	RMC	N/A	N/A	Top Side	1880	0.023	-1.46	23.50	23.08	1.102	0.025	/
					Bottom Side	1880	0.133	0.46	23.50	23.08	1.102	0.147	/
					Front Side	1712.6	0.171	1.82	24.00	23.84	1.038	0.177	/
					Back Side	1712.6	0.238	-2.27	24.00	23.84	1.038	0.247	8
					Left Side	1712.6	0.095	-2.44	24.00	23.84	1.038	0.099	/
					Right Side	1712.6	0.159	-0.65	24.00	23.84	1.038	0.165	/
					Top Side	1712.6	0.021	-3.50	24.00	23.84	1.038	0.022	/
					Bottom Side	1712.6	0.166	-2.67	24.00	23.84	1.038	0.172	/
WCDMA Band IV	N/A	RMC	N/A	N/A	Front Side	826.4	0.115	-0.08	24.00	23.71	1.069	0.123	/
					Back Side	826.4	0.162	3.18	24.00	23.71	1.069	0.173	10
					Left Side	826.4	0.055	-2.09	24.00	23.71	1.069	0.059	/
					Right Side	826.4	0.104	0.35	24.00	23.71	1.069	0.111	/
					Top Side	826.4	0.011	0.59	24.00	23.71	1.069	0.012	/
					Bottom Side	826.4	0.096	-0.58	24.00	23.71	1.069	0.103	/
					Front Side	2462	0.024	3.18	16.00	15.67	1.079	0.026	/
					Back Side	2462	0.046	-0.64	16.00	15.67	1.079	0.050	12
2.4GHz WLAN	N/A	802.11b	N/A	N/A	Left Side	2462	0.030	-3.22	16.00	15.67	1.079	0.032	/
					Right Side	2462	0.012	-1.42	16.00	15.67	1.079	0.013	/
					Top Side	2462	0.028	3.45	16.00	15.67	1.079	0.030	/
					Bottom Side	2462	0.005	3.05	16.00	15.67	1.079	0.005	/
					Front Side	2480	0.017	-1.44	4.50	4.22	1.067	0.018	/
					Back Side	2480	0.035	1.65	4.50	4.22	1.067	0.037	14
					Left Side	2480	0.021	2.39	4.50	4.22	1.067	0.022	/
					Right Side	2480	0.016	-1.14	4.50	4.22	1.067	0.017	/
BT	N/A	GFSK	N/A	N/A	Top Side	2480	0.024	3.77	4.50	4.22	1.067	0.026	/
					Bottom Side	2480	0.005	3.32	4.50	4.22	1.067	0.005	/
					Front Side	5180	0.064	-0.22	12.50	12.19	1.074	0.069	/
					Back Side	5180	0.143	2.79	12.50	12.19	1.074	0.154	16
					Left Side	5180	0.071	-1.11	12.50	12.19	1.074	0.076	/
					Right Side	5180	0.022	0.45	12.50	12.19	1.074	0.024	/
					Top Side	5180	0.083	2.55	12.50	12.19	1.074	0.089	/
					Bottom Side	5180	0.015	3.33	12.50	12.19	1.074	0.016	/
5.2GHz WLAN	N/A	802.11a	N/A	N/A	Front Side	5300	0.101	-0.33	13.00	12.52	1.117	0.113	/
					Back Side	5300	0.148	3.28	13.00	12.52	1.117	0.165	18
					Left Side	5300	0.063	3.95	13.00	12.52	1.117	0.070	/
					Right Side	5300	0.034	3.81	13.00	12.52	1.117	0.038	/
					Top Side	5300	0.084	-2.37	13.00	12.52	1.117	0.094	/
					Bottom Side	5300	0.011	3.03	13.00	12.52	1.117	0.012	/
					Front Side	5745	0.097	1.74	10.50	10.37	1.030	0.100	/
					Back Side	5745	0.162	1.46	10.50	10.37	1.030	0.167	20
5.3GHz WLAN	N/A	802.11a	N/A	N/A	Left Side	5745	0.109	-3.06	10.50	10.37	1.030	0.112	/
					Right Side	5745	0.045	1.61	10.50	10.37	1.030	0.046	/
					Top Side	5745	0.086	-0.89	10.50	10.37	1.030	0.089	/
					Bottom Side	5745	0.022	3.65	10.50	10.37	1.030	0.023	/
5.8GHz WLAN	N/A	802.11a	N/A	N/A	Front Side	1860	0.446	3.03	23.5	23.29	1.050	0.468	/
					Back Side	1860	0.732	-1.99	23.5	23.29	1.050	0.768	22
					Left Side	1860	0.662	3.53	23.5	22.87	1.156	0.765	/
					Right Side	1860	0.683	-3.03	23.5	23.12	1.091	0.745	/
					Top Side	1860	0.173	0.96	23.5	23.29	1.050	0.182	/
					Bottom Side	1860	0.334	3.38	23.5	23.29	1.050	0.351	/
					Top Side	1860	0.044	2.84	23.5	23.29	1.050	0.046	/
					Bottom Side	1860	0.318	1.37	23.5	23.29	1.050	0.334	/
LTE Band 2	10M	QPSK	1	0	Front Side	844	0.175	3.68	23	22.8	1.047	0.183	/
					Back Side	844	0.211	0.37	23	22.8	1.047	0.221	24
					Left Side	844	0.086	1.92	23	22.8	1.047	0.090	/
					Right Side	844	0.125	2.85	23	22.8	1.047	0.131	/
					Top Side	844	0.029	-3.53	23	22.8	1.047	0.030	/
					Bottom Side	844	0.147	3.65	23	22.8	1.047	0.154	/
					Front Side	782	0.063	3.03	24	23.57	1.104	0.070	/
					Back Side	782	0.128	-0.89	24	23.57	1.104	0.141	26
LTE Band 5	10M	QPSK	1	0	Left Side	782	0.034	-0.18	24	23.57	1.104	0.038	/
					Right Side	782	0.049	2.62	24	23.57	1.104	0.054	/
					Top Side	782	0.016	-3.11	24	23.57	1.104	0.018	/
					Bottom Side	782	0.078	-2.64	24	23.57	1.104	0.086	/
LTE Band 13	10M	QPSK	1	0	Front Side	844	0.175	3.68	23	22.8	1.047	0.183	/
					Back Side	844	0.211	0.37	23	22.8	1.047	0.221	24
					Left Side	844	0.086	1.92	23	22.8	1.047	0.090	/
					Right Side	844	0.125	2.85	23	22.8	1.047	0.131	/
					Top Side	844	0.029	-3.53	23	22.8	1.047	0.030	/
					Bottom Side	844	0.147	3.65	23	22.8	1.047	0.154	/
					Front Side	782	0.063	3.03	24	23.57	1.104	0.070	/
					Back Side	782	0.128	-0.89	24	23.57	1.104	0.141	26



Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift(%)	Max. Turn-up Power(dBm)	Meas. Output Power(dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas.No.
LTE Band 38	20M	QPSK	1	0	Front Side	2610	0.106	3.11	22	21.72	1.067	0.113	/
			1	0	Back Side	2610	0.127	-2.21	22	21.72	1.067	0.135	28
			1	0	Left Side	2610	0.033	-2.06	22	21.72	1.067	0.035	/
			1	0	Right Side	2610	0.048	2.77	22	21.72	1.067	0.051	/
			1	0	Top Side	2610	0.024	0.45	22	21.72	1.067	0.026	/
LTE Band 40	20M	QPSK	1	0	Bottom Side	2610	0.088	1.03	22	21.72	1.067	0.094	/
			1	0	Front Side	2315	0.106	3.19	22	21.79	1.050	0.111	/
			1	0	Back Side	2315	0.177	2.43	22	21.79	1.050	0.186	30
			1	0	Left Side	2315	0.044	-3.81	22	21.79	1.050	0.046	/
			1	0	Right Side	2315	0.079	0.51	22	21.79	1.050	0.083	/
LTE Band 41	20M	QPSK	1	0	Top Side	2315	0.021	-2.39	22	21.79	1.050	0.022	/
			1	0	Bottom Side	2315	0.133	-0.49	22	21.79	1.050	0.140	/
			1	0	Front Side	2680	0.077	0.25	23	22.54	1.112	0.086	/
			1	0	Back Side	2680	0.115	3.11	23	22.54	1.112	0.128	32
			1	0	Left Side	2680	0.031	2.44	23	22.54	1.112	0.034	/
LTE Band 66/4	20M	QPSK	1	0	Right Side	2680	0.060	2.45	23	22.54	1.112	0.067	/
			1	0	Top Side	2680	0.024	-0.97	23	22.54	1.112	0.027	/
			1	0	Bottom Side	2680	0.065	2.73	23	22.54	1.112	0.072	/
			1	0	Front Side	1770	0.221	1.61	24	23.72	1.067	0.236	/
			1	0	Back Side	1770	0.341	1.74	24	23.72	1.067	0.364	34
			1	0	Left Side	1770	0.068	-3.02	24	23.72	1.067	0.073	/
			1	0	Right Side	1770	0.171	-0.25	24	23.72	1.067	0.182	/
			1	0	Top Side	1770	0.019	1.23	24	23.72	1.067	0.020	/
			1	0	Bottom Side	1770	0.221	2.37	24	23.72	1.067	0.236	/

Note:

- The test separation of all above table is 10mm.
- 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 **0.058** W/Kg for Body)
- When the user enables the personal Wireless router functions for the handsets, actual operations include simultaneous transmission of both the Wi-Fi transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. The "Portable Hotspot" feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.



11.3 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

Position	Simultaneous State
Head	1. GSM + 2.4GHz WLAN/5G WLAN
	2. GSM + Bluetooth
	3. WCDMA + 2.4GHz WLAN/5G WLAN
	4. WCDMA + Bluetooth
	5. LTE + 2.4GHz WLAN/5G WLAN
	6. LTE + Bluetooth
Body	1. GSM + 2.4GHz WLAN/5G WLAN
	2. GSM + Bluetooth
	3. WCDMA + 2.4GHz WLAN/5G WLAN
	4. WCDMA + Bluetooth
	5. LTE + 2.4GHz WLAN/5G WLAN
	6. LTE + Bluetooth

NOTE:

1. Bluetooth and WLAN can't simultaneous transmission at the same time.
2. For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.
3. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
4. KDB 447498 D01 v06 4.3.2 (2) when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion: a) $(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f \text{ (GHz)}} / x] \text{ W/kg}$ for test separation distances $\leq 50 \text{ mm}$; Where $x = 7.5$ for 1-g SAR, and $x = 18.75$ for 10-g SAR. b) 0.4 W/Kg for 1-g SAR and 1.0 W/Kg for 10-g SAR, when the separation distance is $> 50 \text{ mm}$.



Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
GSM + 2.4G WLAN	Head	GSM	0.306	0.497
		2.4G WLAN	0.191	
	Body	GSM	0.516	0.566
		2.4G WLAN	0.050	
GSM + Bluetooth	Head	GSM	0.306	0.400
		Bluetooth	0.094	
	Body	GSM	0.516	0.553
		Bluetooth	0.037	
GSM + 5G WLAN	Head	GSM	0.306	0.480
		5G WLAN	0.174	
	Body	GSM	0.516	0.683
		5G WLAN	0.167	
WCDMA + 2.4G WLAN	Head	WCDMA	0.221	0.412
		2.4G WLAN	0.191	
	Body	WCDMA	0.296	0.346
		2.4G WLAN	0.050	
WCDMA + Bluetooth	Head	WCDMA	0.221	0.315
		Bluetooth	0.094	
	Body	WCDMA	0.296	0.333
		Bluetooth	0.037	
WCDMA + 5G WLAN	Head	WCDMA	0.221	0.395
		5G WLAN	0.174	
	Body	WCDMA	0.296	0.463
		5G WLAN	0.167	
LTE + 2.4G WLAN	Head	LTE	0.237	0.428
		2.4G WLAN	0.191	
	Body	LTE	0.768	0.818
		2.4G WLAN	0.050	
LTE + Bluetooth	Head	LTE	0.237	0.331
		Bluetooth	0.094	
	Body	LTE	0.768	0.805
		Bluetooth	0.037	
LTE + 5G WLAN	Head	LTE	0.237	0.411
		5G WLAN	0.174	
	Body	LTE	0.768	0.935
		5G WLAN	0.167	

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna.

When the sum of SAR 1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR-1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR 1g is greater than the SAR limit (SAR-1g 1.6 W/kg), SAR test exclusion is determined by the SPLSR.



12. 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
750MHz Dipole	MVG	SID750	SN 30/14 DIP0G750-331	2023.07.04	2026.07.03
835MHz Dipole	MVG	SID835	SN 30/14 DIP0G835-332	2023.07.04	2026.07.03
1800MHz Dipole	MVG	SID1800	5023-DIP1G800-747	2023.12.20	2026.12.19
1900MHz Dipole	MVG	SID1900	SN 30/14 DIP1G900-333	2023.09.14	2026.09.13
2450MHz Dipole	MVG	SID2450	SN 30/14 DIP2G450-335	2023.07.04	2026.07.03
2600MHz Dipole	MVG	SID2600	SN 30/14 DIP2G600-336	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 EPG0352	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 (750MHz)

Type: Phone measurement (Complete)

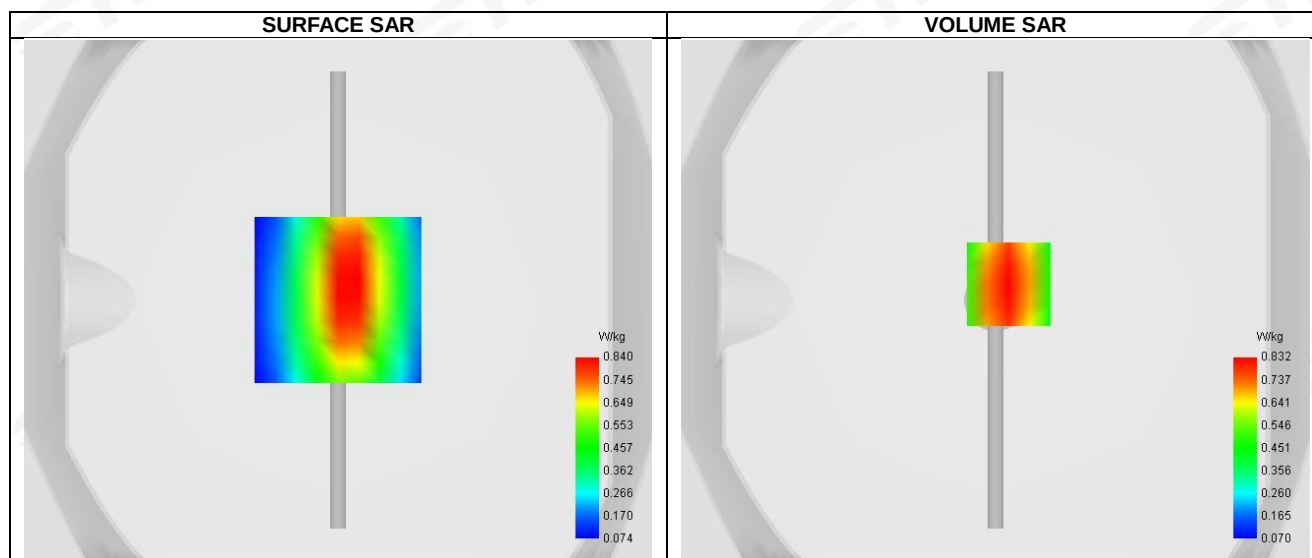
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-05-07

Experimental conditions

Phantom	Validation plane
Device Position	Dipole
Band	750MHz
Channels	Middle
Signal	CW
Frequency (MHz)	750MHz
Relative permittivity	41.98
Conductivity (S/m)	0.91
Probe	SN 08/21 EPGO352
ConvF	1.51
Crest factor	1:1



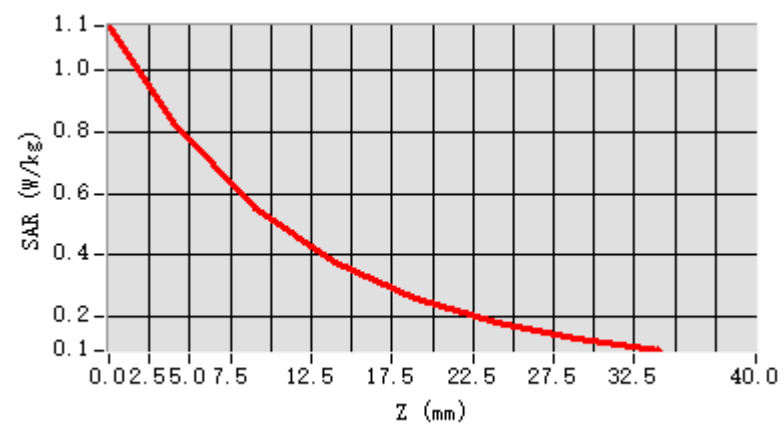
Maximum location: X=5.00, Y=6.00 ; SAR Peak: 1.14 W/kg

D. SAR 1g & 10g

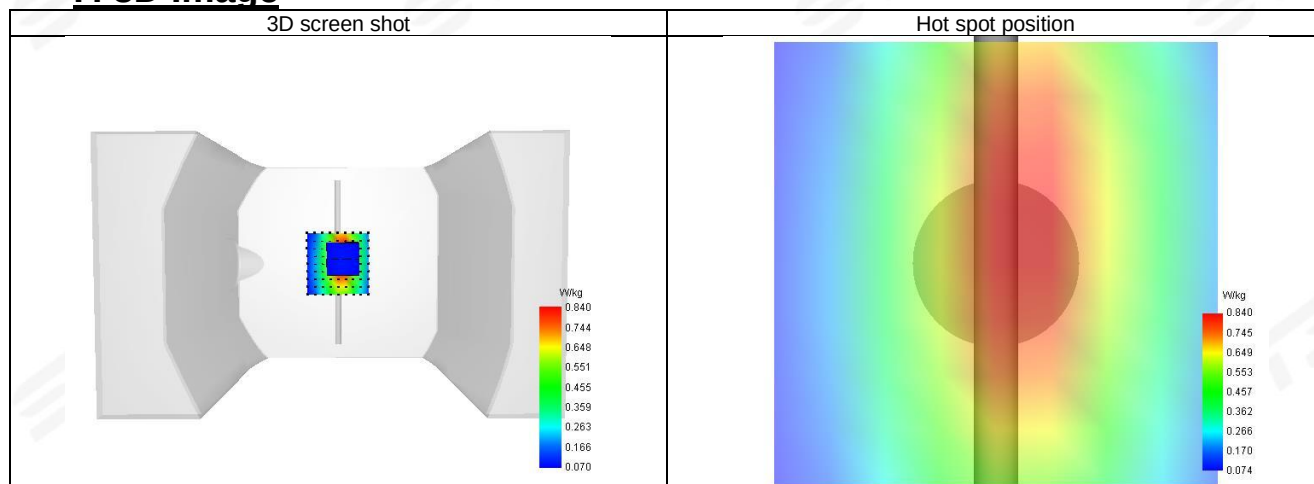
SAR 10g (W/Kg)	0.507
SAR 1g (W/Kg)	0.873
Horizontal validation criteria: minimum distance (mm)	11.334451
Vertical validation criteria: SAR ratio M2/M1 (%)	67.359413

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.147	0.832	0.556	0.380	0.261	0.181	0.129



F. 3D Image



**System Performance Check Data (835MHz)**

Type: Phone measurement (Complete)

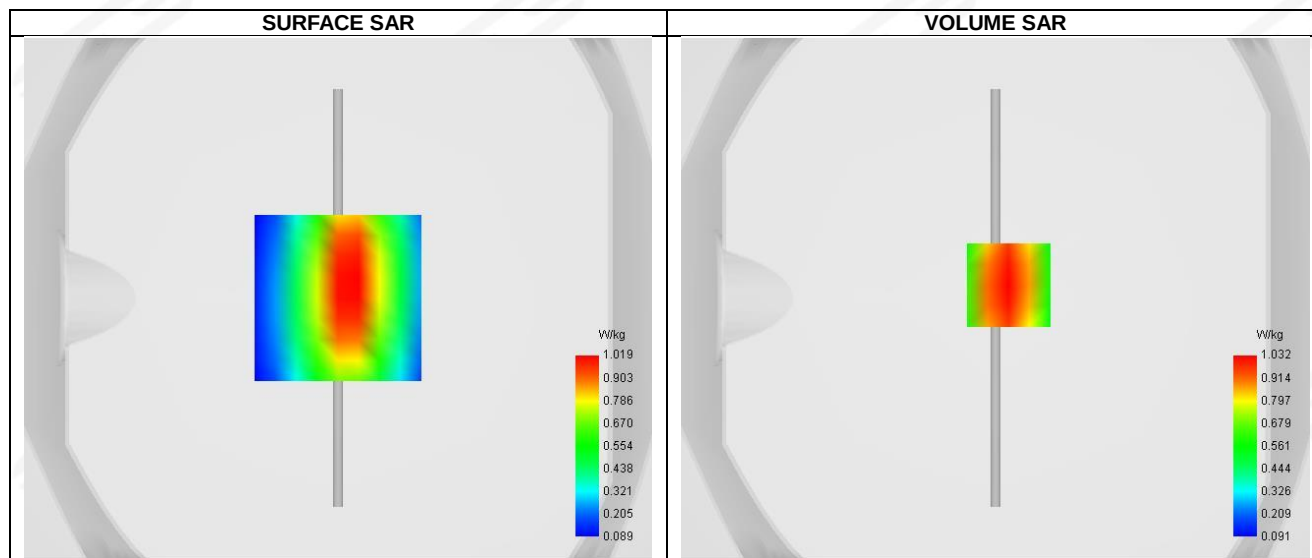
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-05-07

Experimental conditions

Phantom	Validation plane
Device Position	Dipole
Band	835MHz
Channels	Middle
Signal	CW
Frequency (MHz)	835MHz
Relative permittivity	42.74
Conductivity (S/m)	0.92
Probe	SN 08/21 EPGO352
ConvF	1.49
Crest factor:	1:1



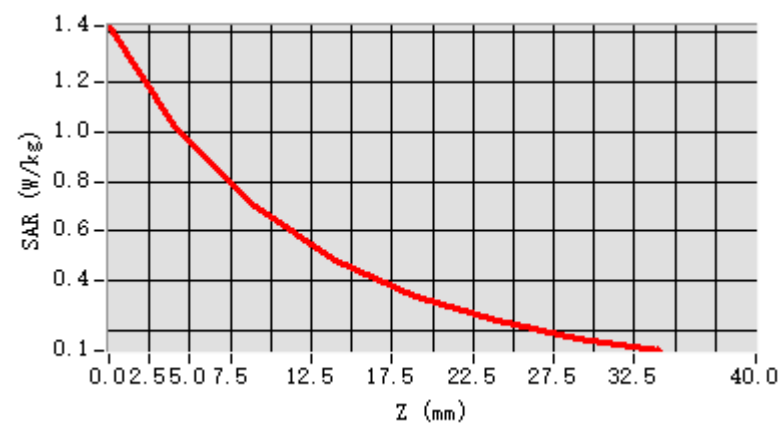
Maximum location: X=5.00, Y=5.00 ; SAR Peak: 1.42 W/kg

D. SAR 1g & 10g

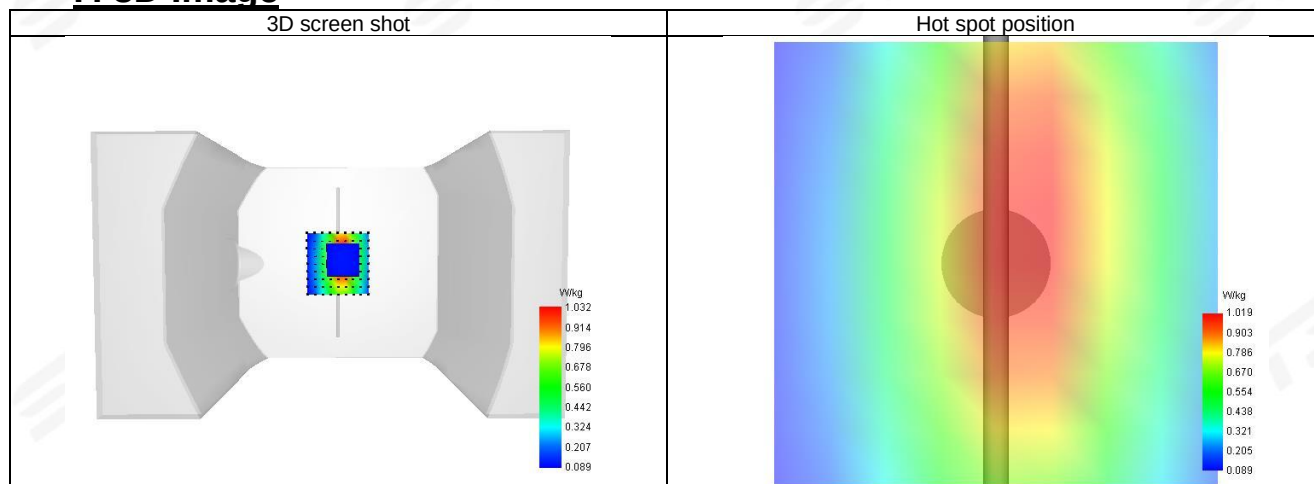
SAR 10g (W/Kg)	0.620
SAR 1g (W/Kg)	0.977
Horizontal validation criteria: minimum distance (mm)	11.262363
Vertical validation criteria: SAR ratio M2/M1 (%)	68.335422

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.428	1.032	0.697	0.480	0.339	0.235	0.163



F. 3D Image



**System Performance Check Data(1800MHz)**

Type: Phone measurement (Complete)

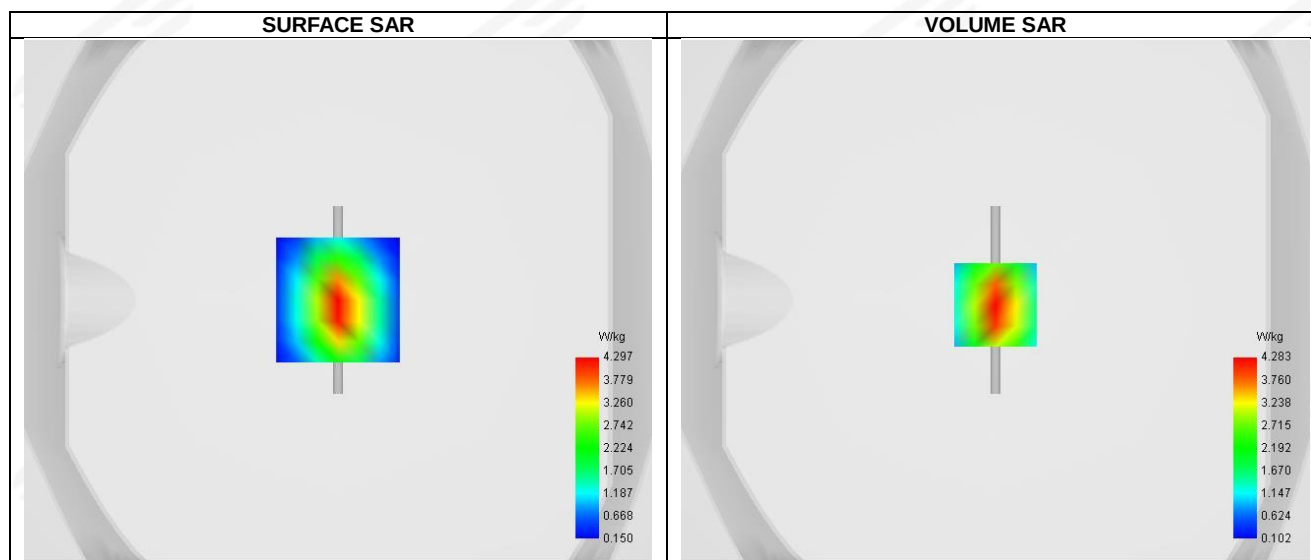
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-05-08

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	1800MHz
Channels	Middle
Signal	CW
Frequency (MHz)	1800MHz
Relative permittivity	40.40
Conductivity (S/m)	1.41
Probe	SN 08/21 EPGO352
ConvF	1.54
Crest factor:	1:1



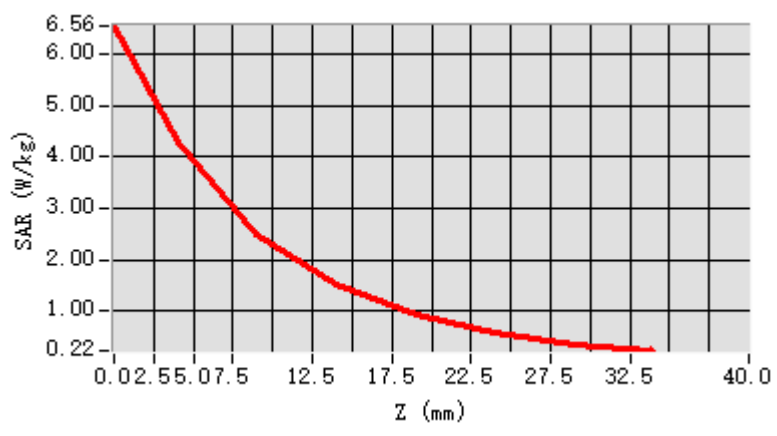
Maximum location: X=0.00, Y=-2.00 ; SAR Peak: 6.53 W/kg

D. SAR 1g & 10g

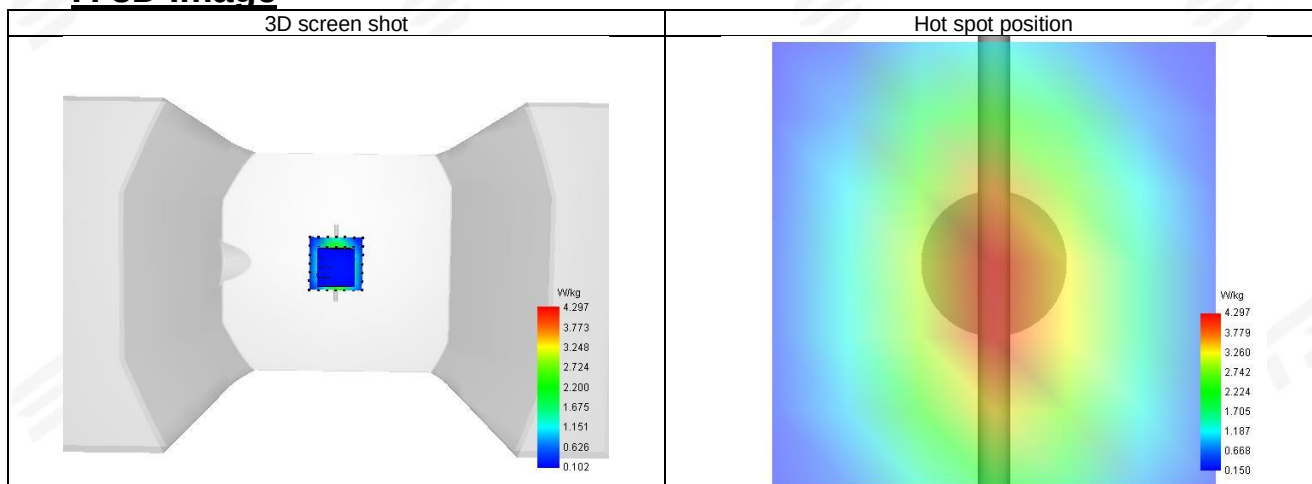
SAR 10g (W/Kg)	2.050
SAR 1g (W/Kg)	3.769
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	58.161874

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.558	4.283	2.491	1.504	0.927	0.573	0.356



F. 3D Image



**System Performance Check Data (1900MHz)**

Type: Phone measurement (Complete)

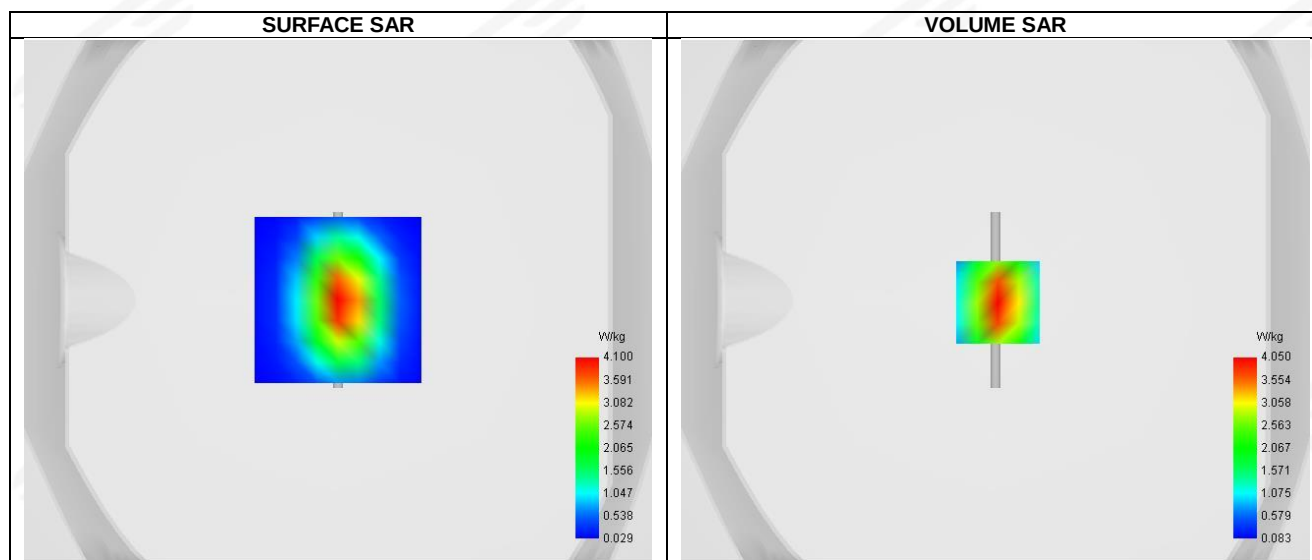
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-05-08

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	1900MHz
Channels	Middle
Signal	CW
Frequency (MHz)	1900MHz
Relative permittivity	40.71
Conductivity (S/m)	1.35
Probe	SN 08/21 EPGO352
ConvF	1.73
Crest factor:	1:1



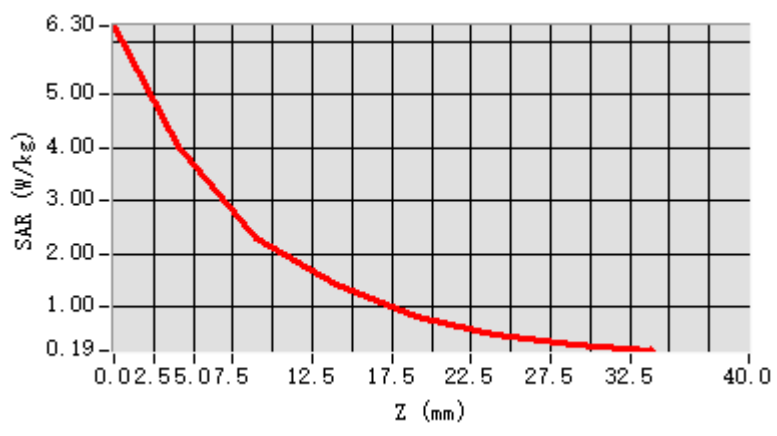
Maximum location: X=1.00, Y=-1.00 ; SAR Peak: 6.24 W/kg

D. SAR 1g & 10g

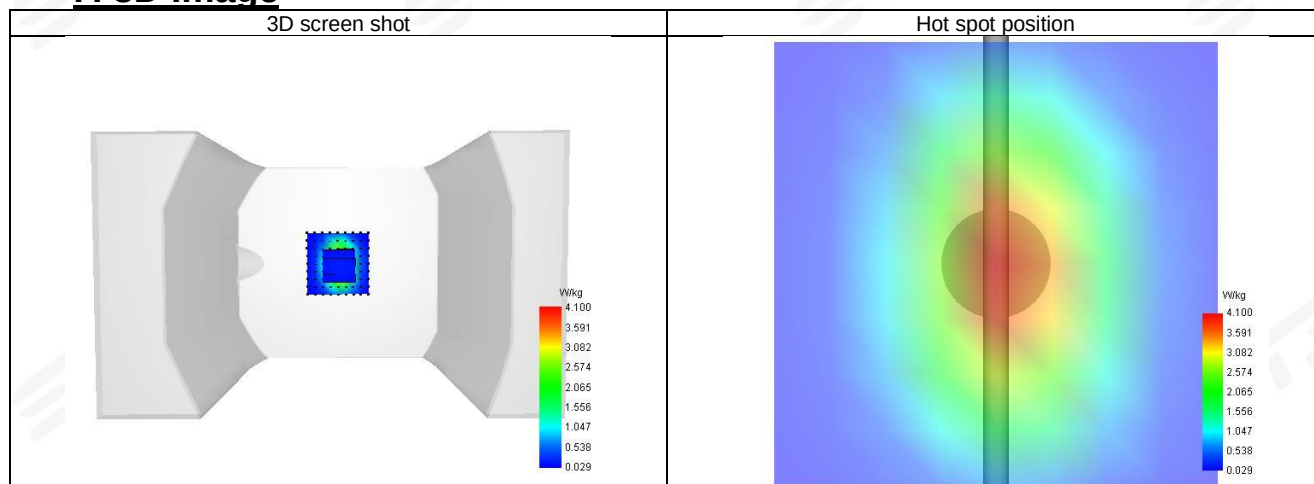
SAR 10g (W/Kg)	2.063
SAR 1g (W/Kg)	3.905
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	56.919960

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.298	4.050	2.305	1.415	0.842	0.501	0.299



F. 3D Image



**System Performance Check Data (2450MHz)**

Type: Phone measurement (Complete)

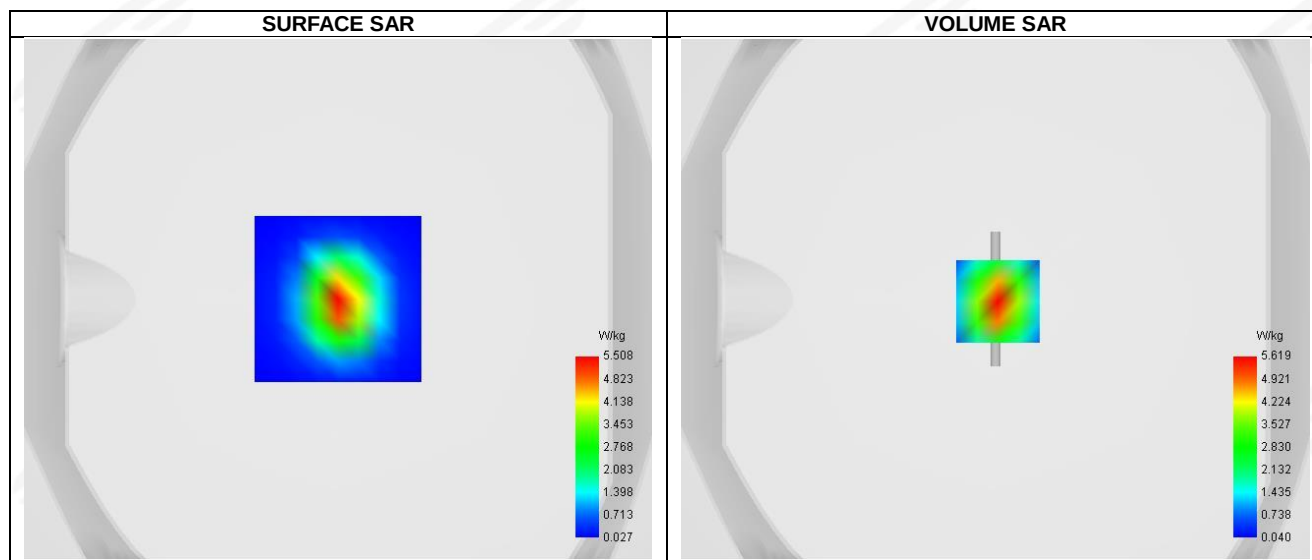
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-05-09

Experimental conditions.

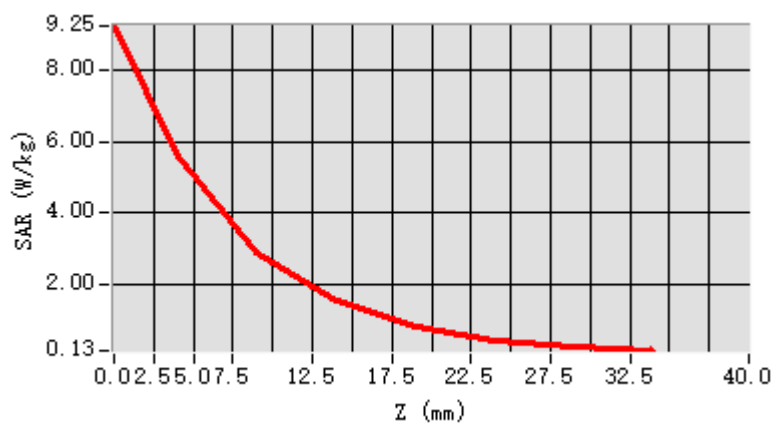
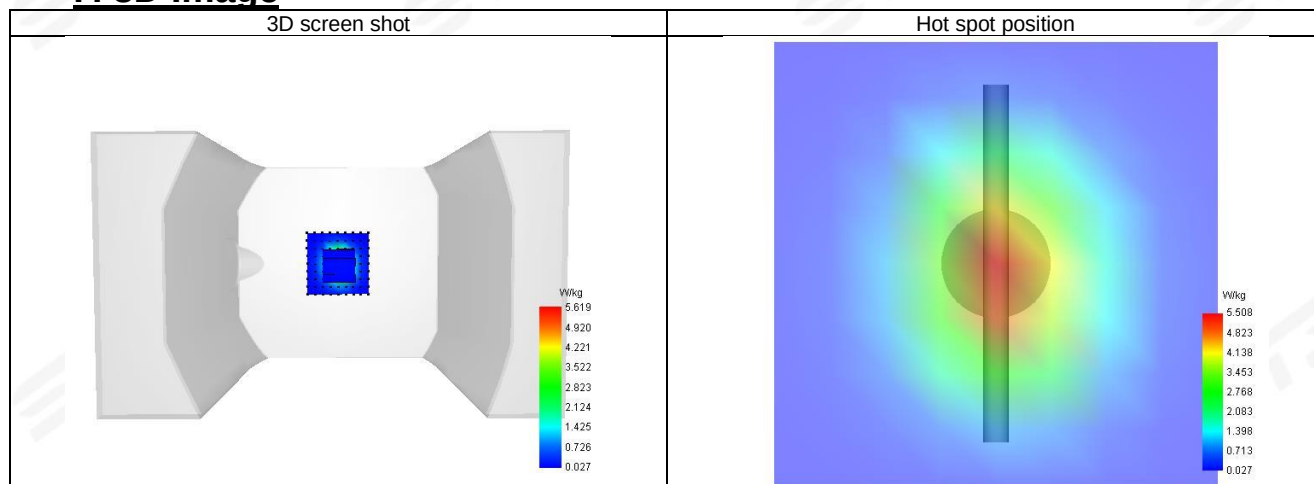
Phantom	Validation plane
Device Position	Dipole
Band	2450MHz
Channels	Middle
Signal	CW
Frequency (MHz)	2450
Relative permittivity	39.33
Conductivity (S/m)	1.81
Probe	SN 08/21 EPGO352
ConvF	1.82
Crest factor:	1:1

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

SAR 10g (W/Kg)	2.435
SAR 1g (W/Kg)	5.444
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	51.425952

**E. Z Axis Scan**

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	9.252	5.619	2.890	1.554	0.821	0.433	0.229

**F. 3D Image**

**System Performance Check Data(2600MHz)**

Type: Phone measurement (Complete)

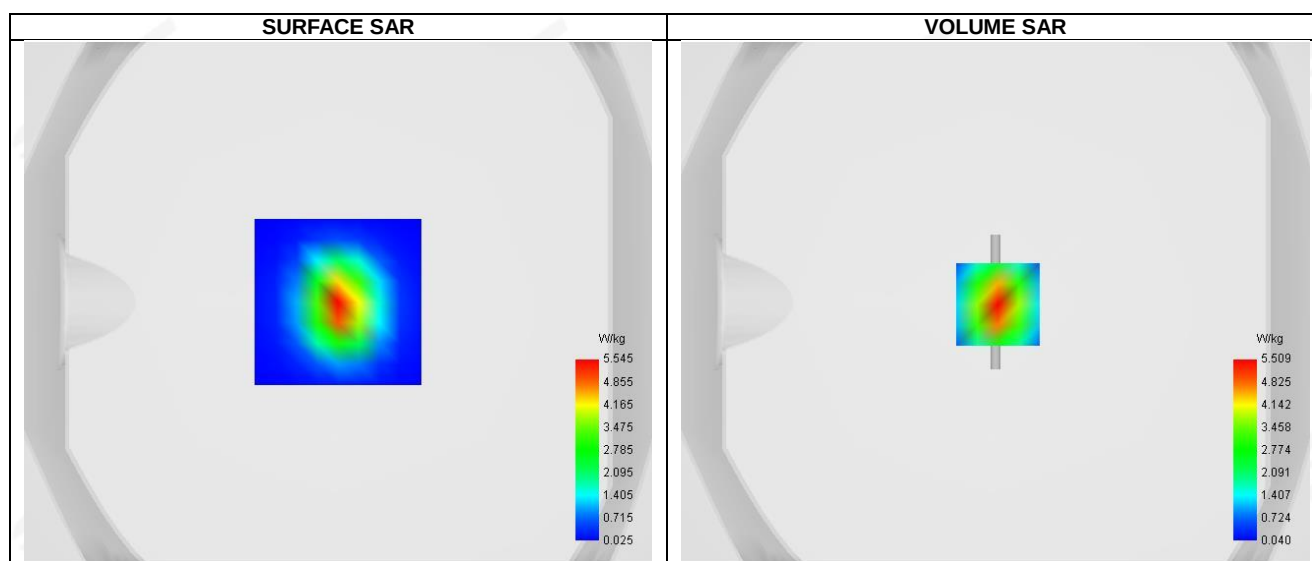
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-05-09

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	2600MHz
Channels	Middle
Signal	CW
Frequency (MHz)	2600
Relative permittivity	39.28
Conductivity (S/m)	1.99
Probe	SN 08/21 EPGO352
ConvF	1.70
Crest factor:	1:1



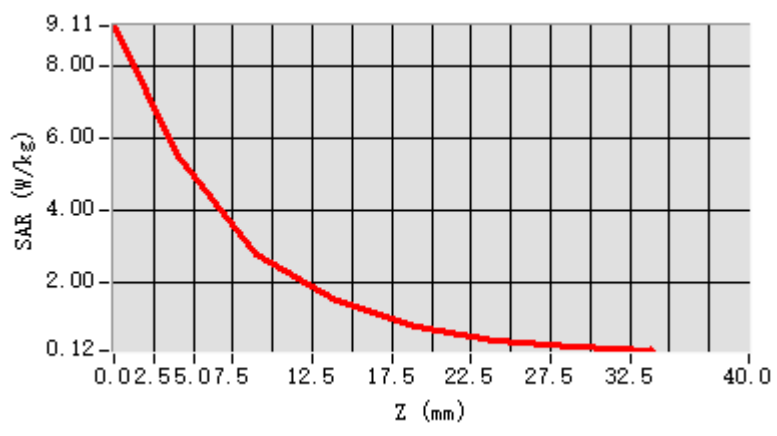
Maximum location: X=1.00, Y=-1.00 ; SAR Peak: 9.02 W/kg

D. SAR 1g & 10g

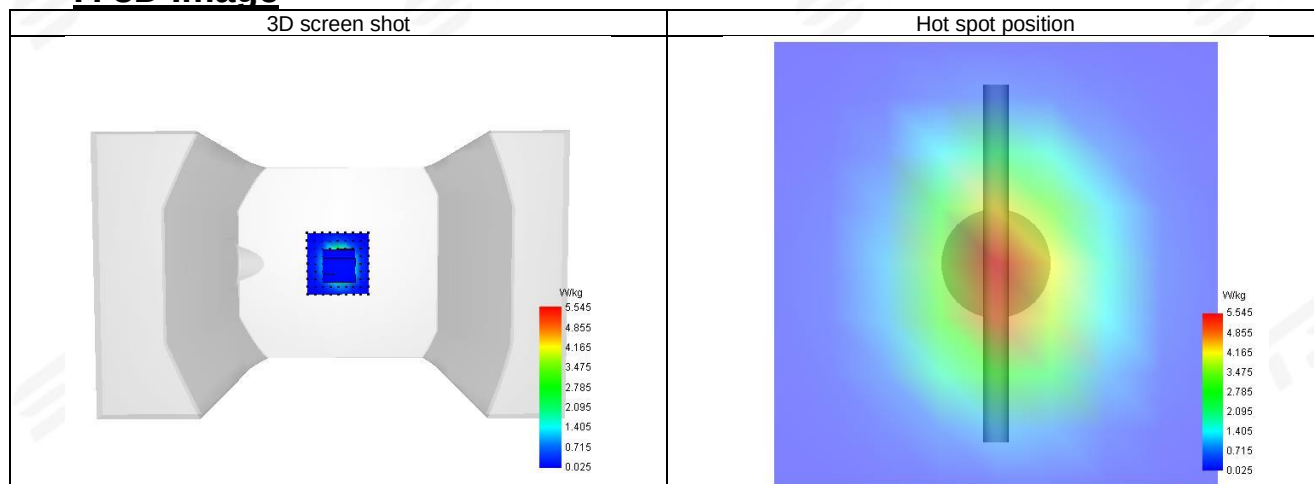
SAR 10g (W/Kg)	2.393
SAR 1g (W/Kg)	5.662
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	51.056495

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	9.114	5.509	2.813	1.509	0.793	0.417	0.219



F. 3D Image



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

Type: Dipole measurement (Complete)

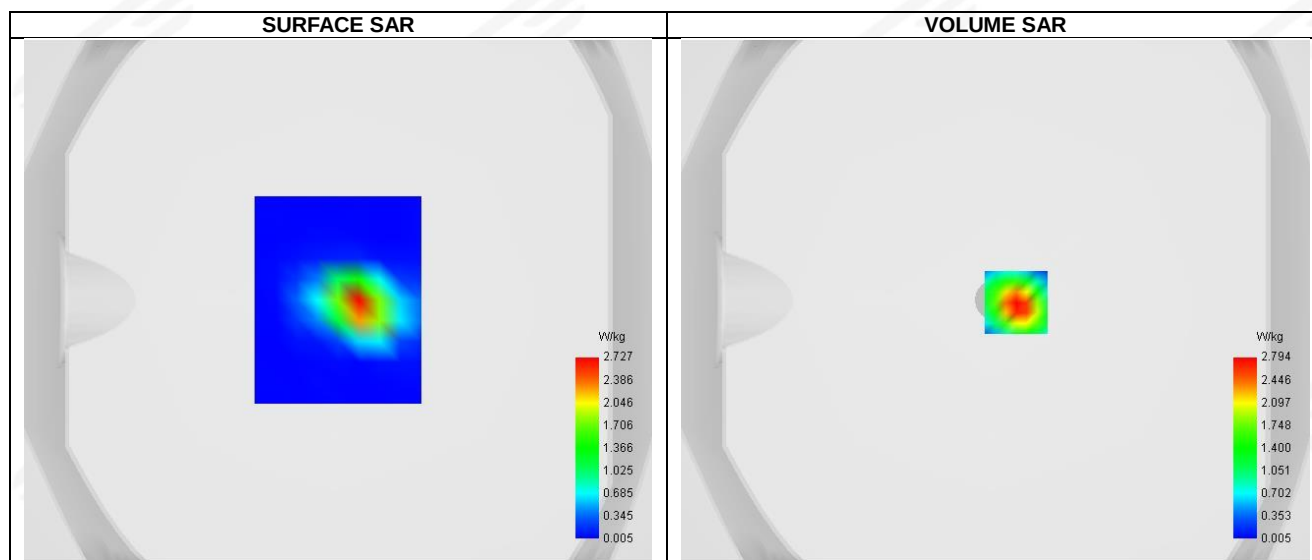
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-05-10

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	5200MHz
Channels	Middle
Signal	CW
Frequency (MHz)	5200
Relative permittivity	36.40
Conductivity (S/m)	4.65
Probe	SN 08/21 EPGO352
ConvF	1.37
Crest factor:	1:1



Maximum location: X=8.00, Y=-1.00 ; SAR Peak: 4.73 W/kg

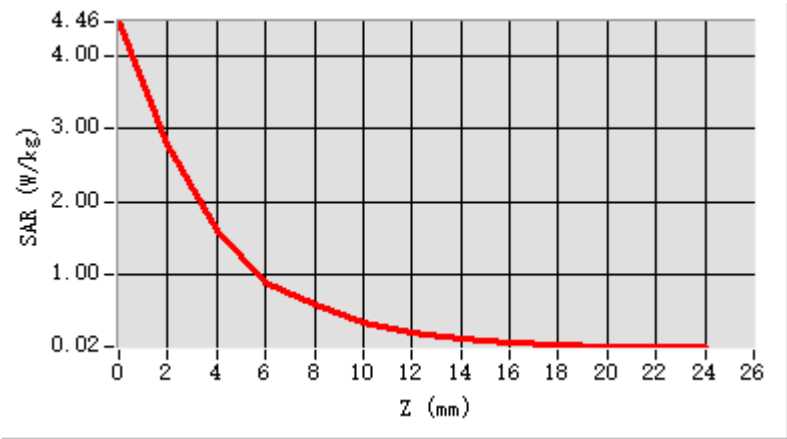
D. SAR 1g & 10g

SAR 10g (W/Kg)	0.601
SAR 1g (W/Kg)	1.698
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	57.083335

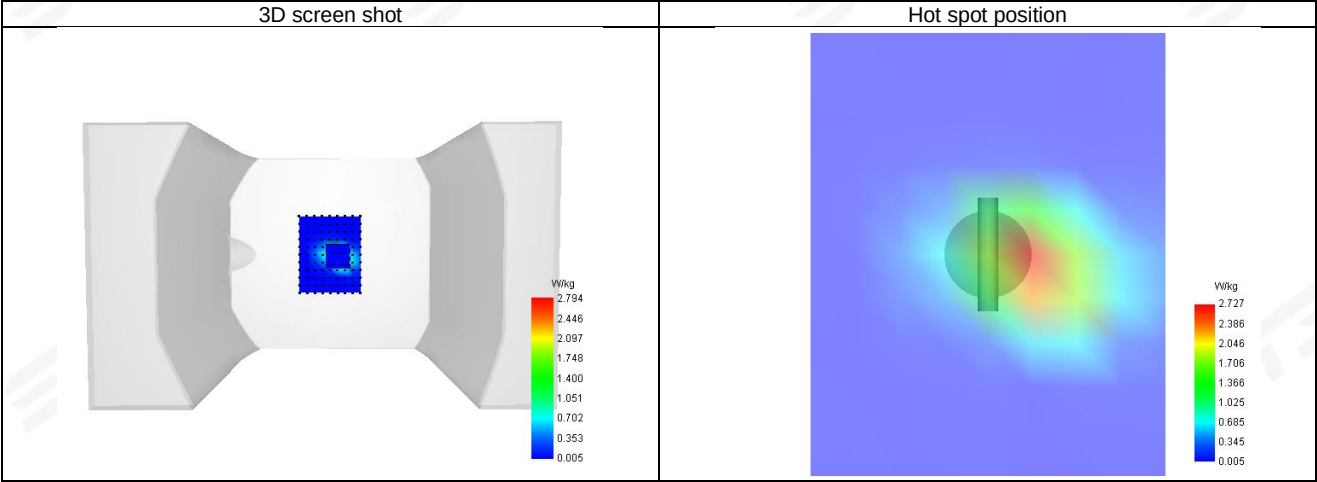


E. Z Axis Scan

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)	4.455	2.794	1.595	0.906	0.585	0.351	0.210	0.126	0.076	0.045	0.027	0.016	0.016



F. 3D Image



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

Type: Dipole measurement (Complete)

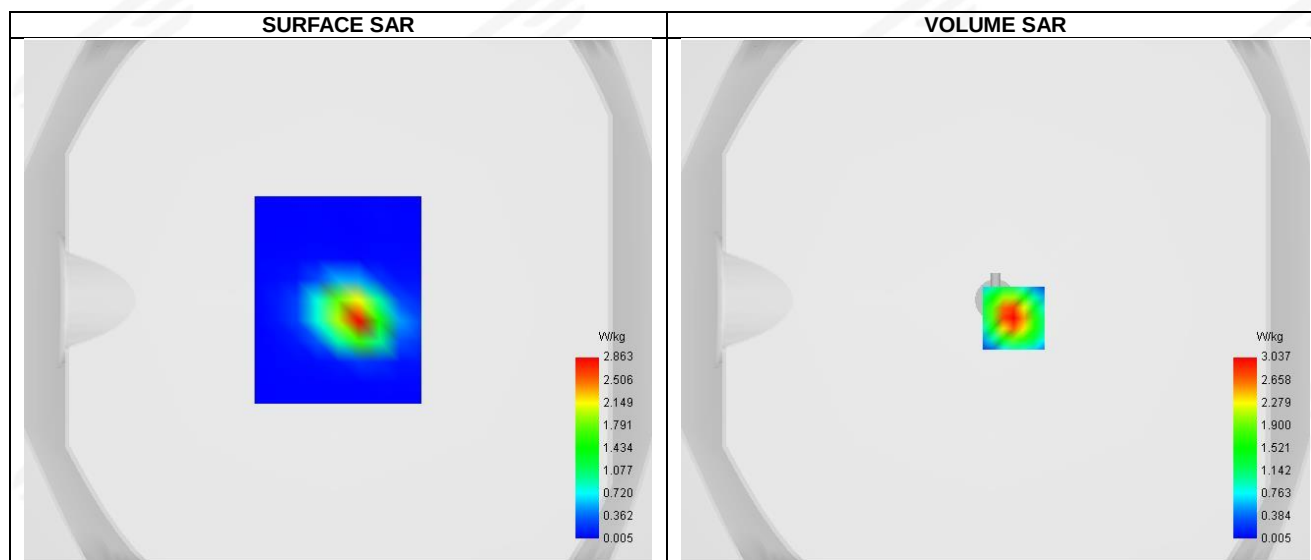
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-05-10

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	5800MHz
Channels	Middle
Signal	CW
Frequency (MHz)	5800
Relative permittivity	36.00
Conductivity (S/m)	5.28
Probe	SN 08/21 EPGO352
ConvF	1.32
Crest factor:	1:1



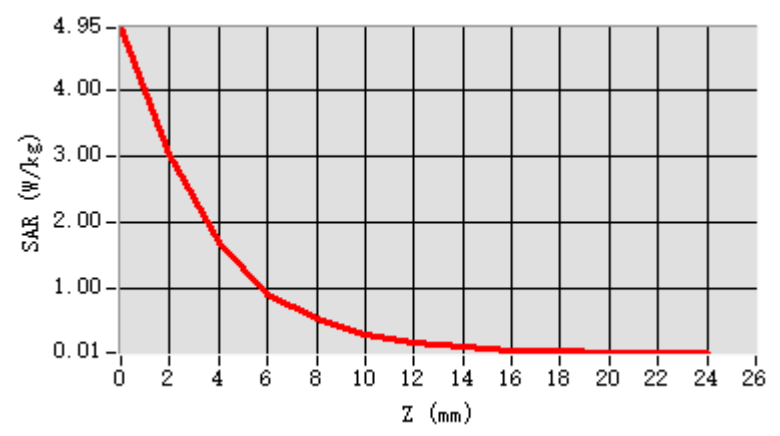
Maximum location: X=7.00, Y=-7.00 ; SAR Peak: 5.17 W/kg

D. SAR 1g & 10g

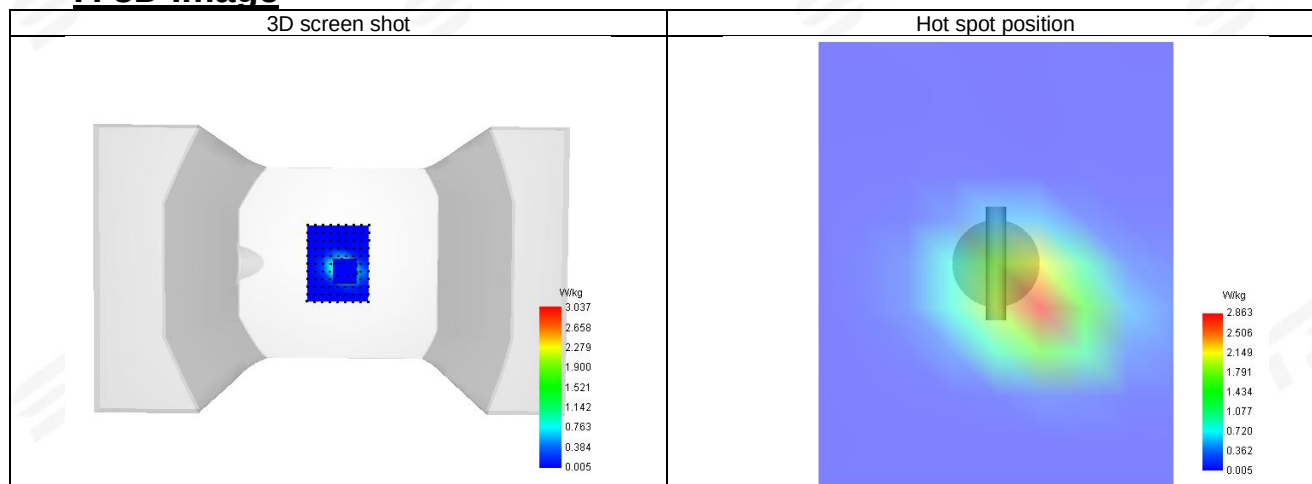
SAR 10g (W/Kg)	0.647
SAR 1g (W/Kg)	2.055
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	55.297526

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)	4.953	3.037	1.679	0.904	0.525	0.293	0.164	0.092	0.051	0.029	0.016	0.009	0.005



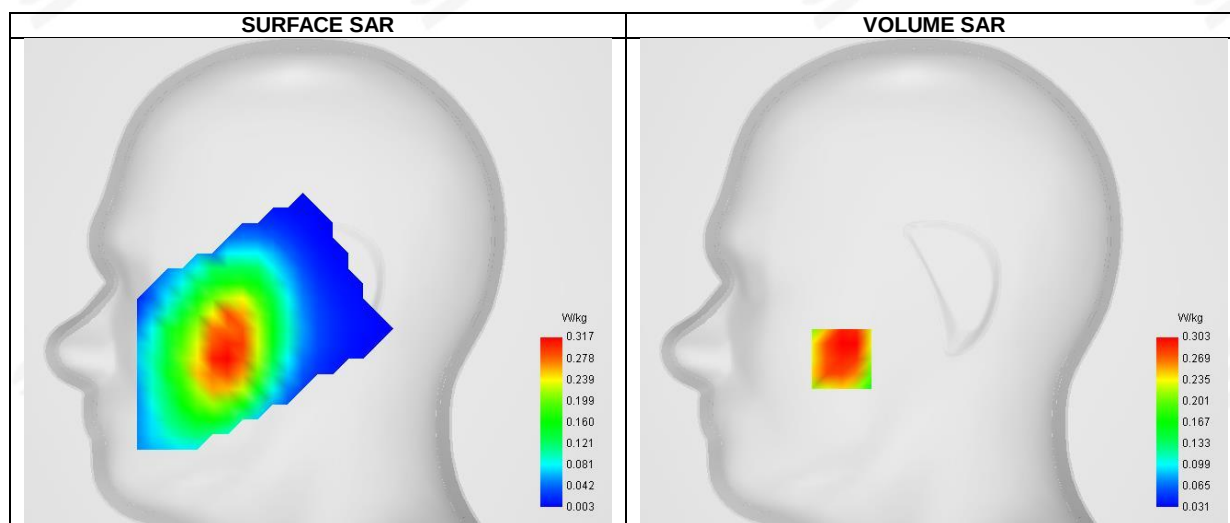
F. 3D Image



Appendix B. SAR Test Plots

Plot 1: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-07
ConvF	1.49
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Right Cheek
Device Position	Cheek
Band	GSM 850
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	42.69
Conductivity (S/m)	0.93



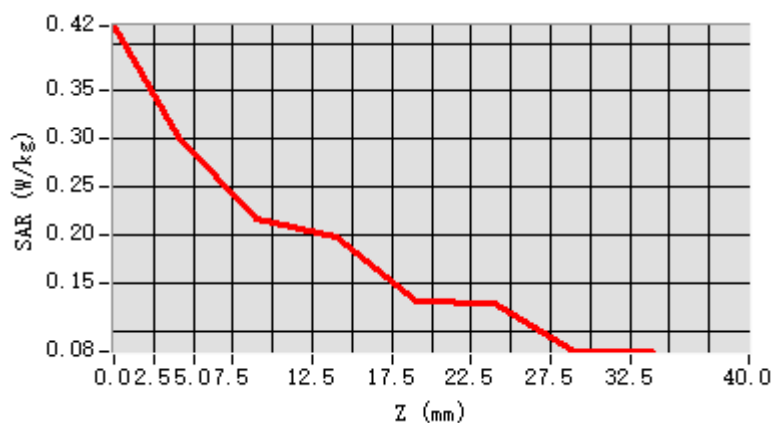
Maximum location: X=-49.00, Y=-40.00 ; SAR Peak: 0.40 W/kg

D. SAR 1g & 10g

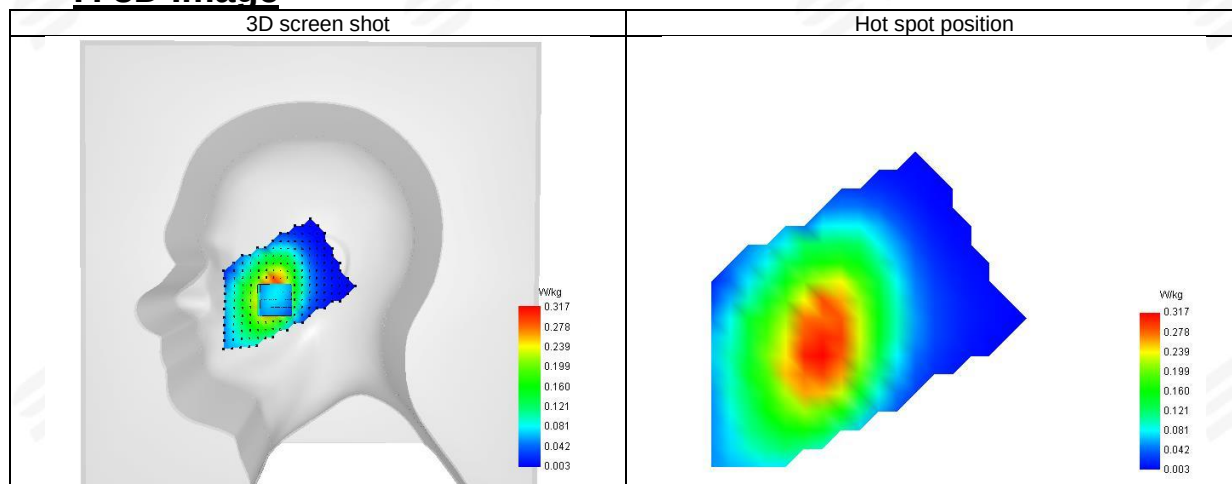
SAR 10g (W/Kg)	0.212
SAR 1g (W/Kg)	0.301
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	71.617161

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.418	0.303	0.217	0.198	0.131	0.129	0.080

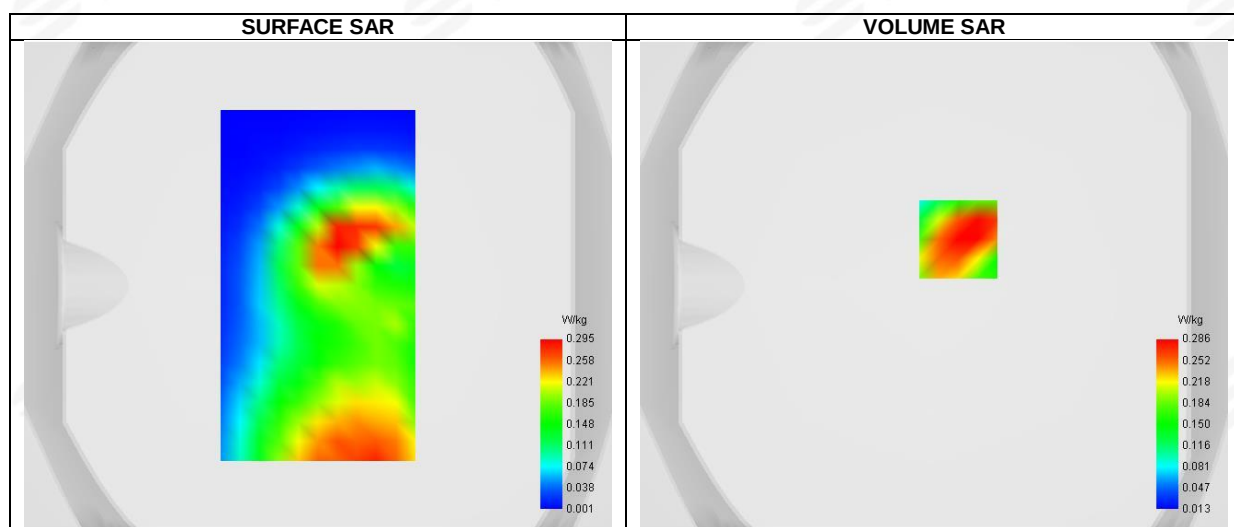


F. 3D Image



Plot 2: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-07
ConvF	1.49
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	GPRS 850
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Frequency (MHz)	848.8
Relative permittivity (real part)	41.97
Conductivity (S/m)	0.90



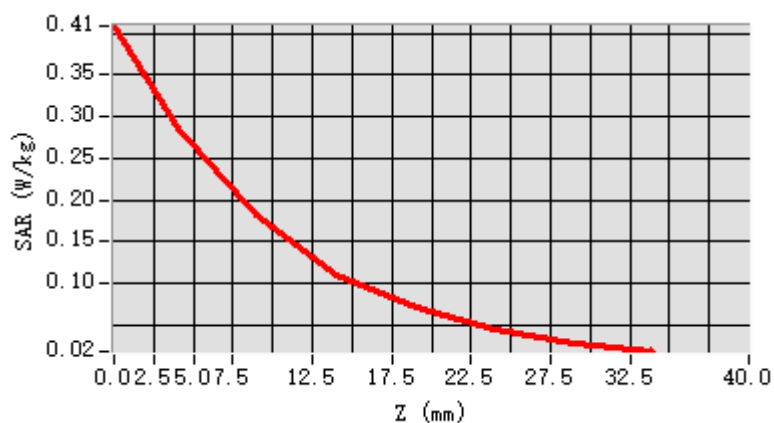
Maximum location: X=10.00, Y=19.00 ; SAR Peak: 0.47 W/kg

D. SAR 1g & 10g

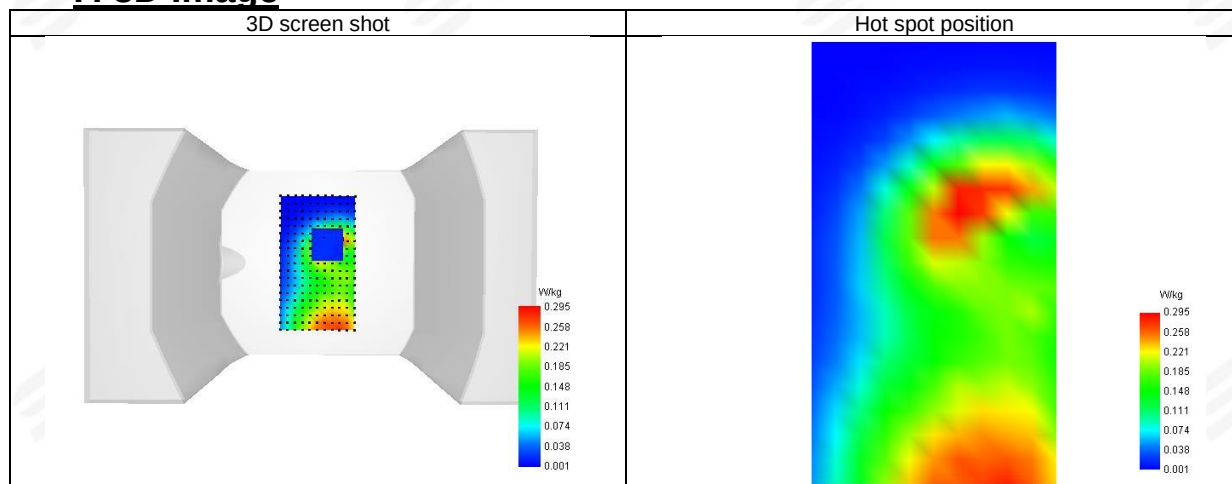
SAR 10g (W/Kg)	0.156
SAR 1g (W/Kg)	0.285
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	63.554749

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.408	0.286	0.182	0.109	0.071	0.045	0.028

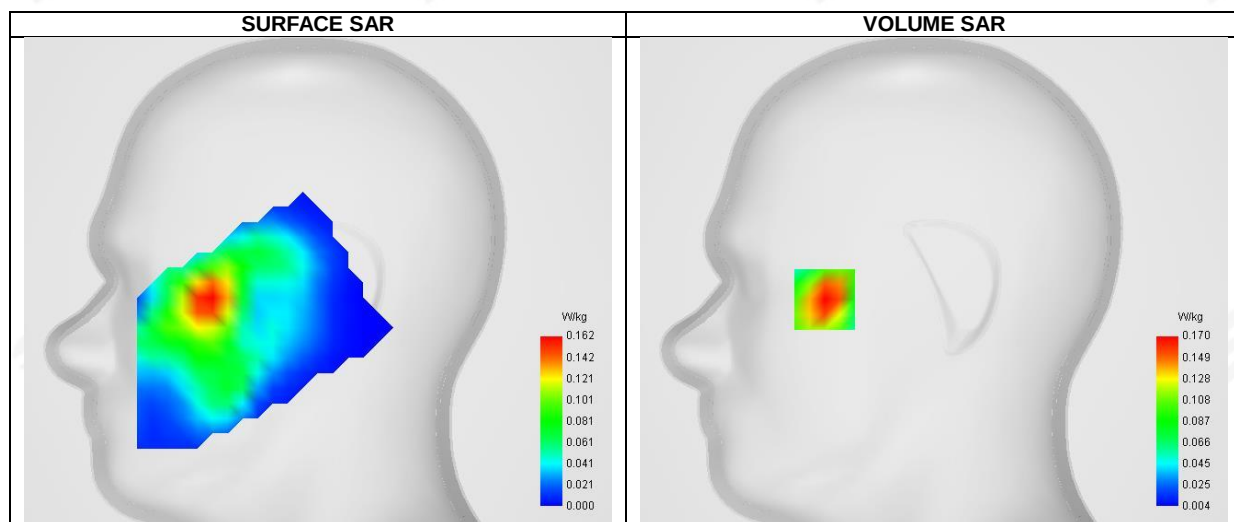


F. 3D Image



Plot 3: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-08
ConvF	1.73
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Right Cheek
Device Position	Cheek
Band	GPRS 1900
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	40.70
Conductivity (S/m)	1.39



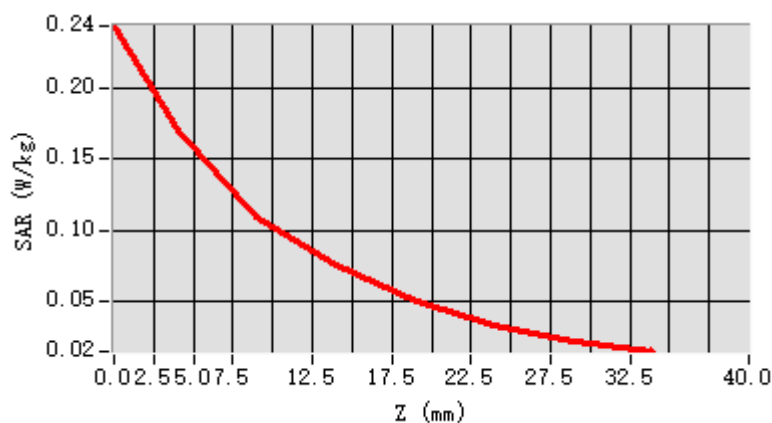
Maximum location: X=-58.00, Y=-9.00 ; SAR Peak: 0.26 W/kg

D. SAR 1g & 10g

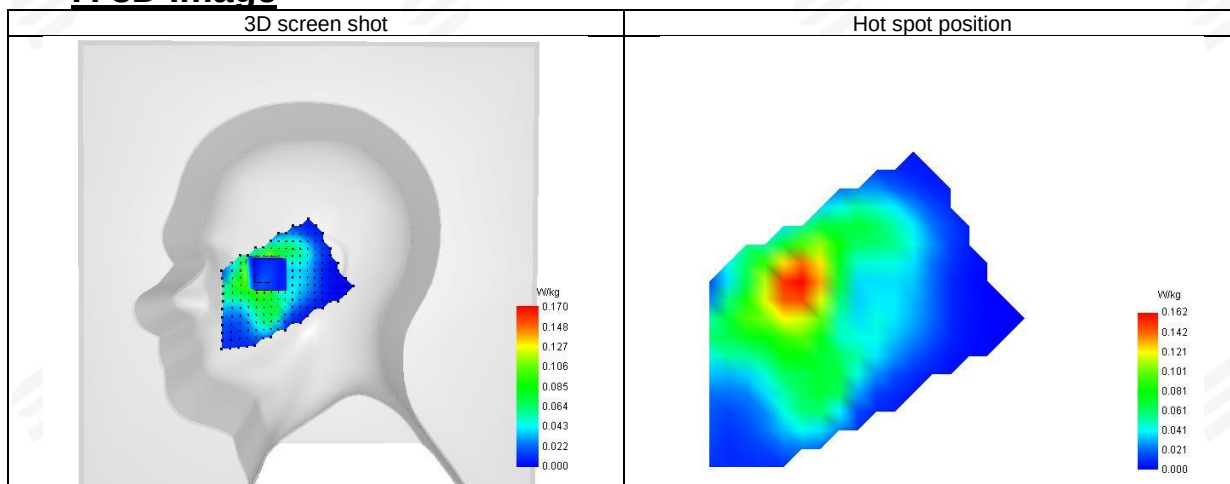
SAR 10g (W/Kg)	0.095
SAR 1g (W/Kg)	0.163
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	64.222799

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.243	0.170	0.109	0.076	0.050	0.034	0.023

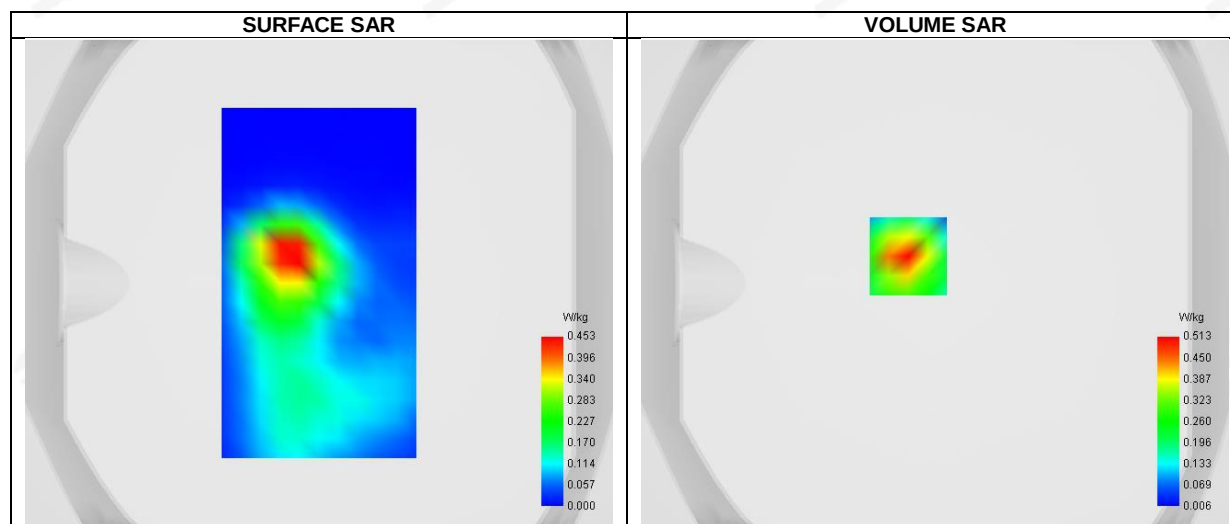


F. 3D Image



**Plot 4: DUT: Smartphone; EUT Model: A15**

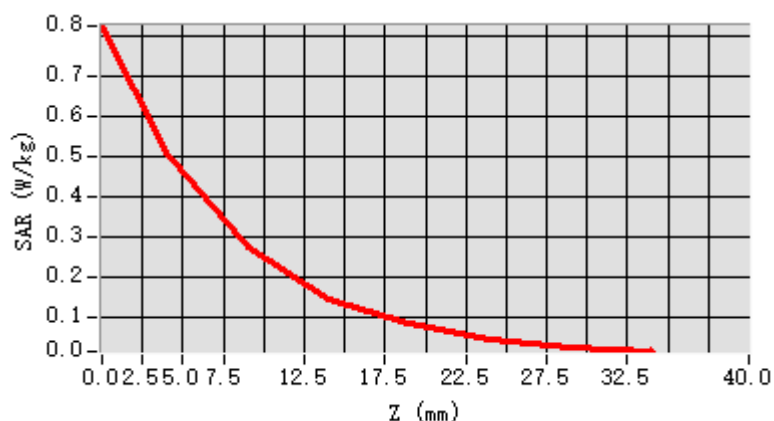
Test Date	2026-05-08
ConvF	1.73
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	GPRS 1900
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	40.70
Conductivity (S/m)	1.39

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

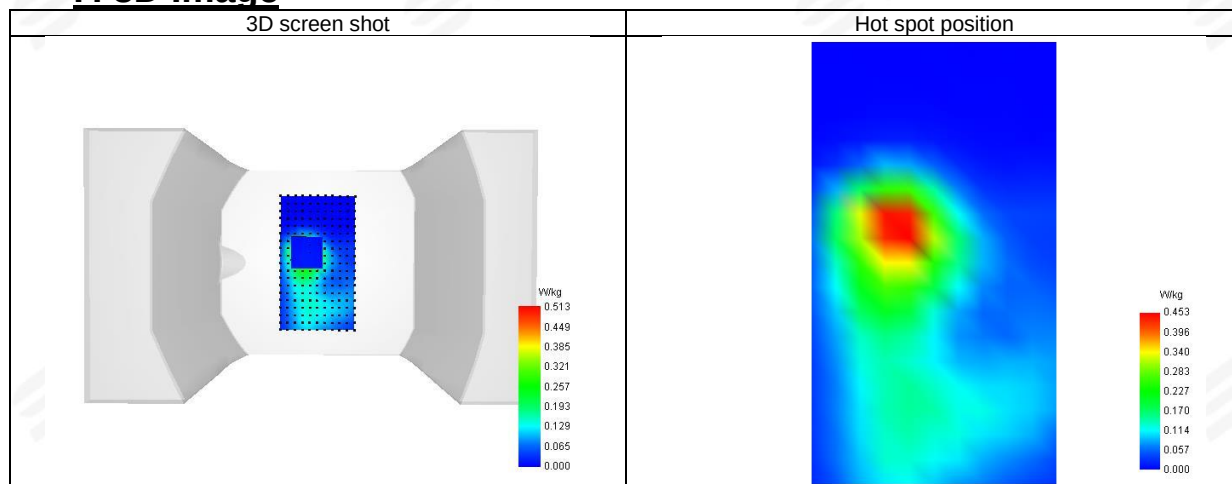
SAR 10g (W/Kg)	0.237
SAR 1g (W/Kg)	0.476
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	53.742949

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.827	0.513	0.276	0.149	0.085	0.047	0.026

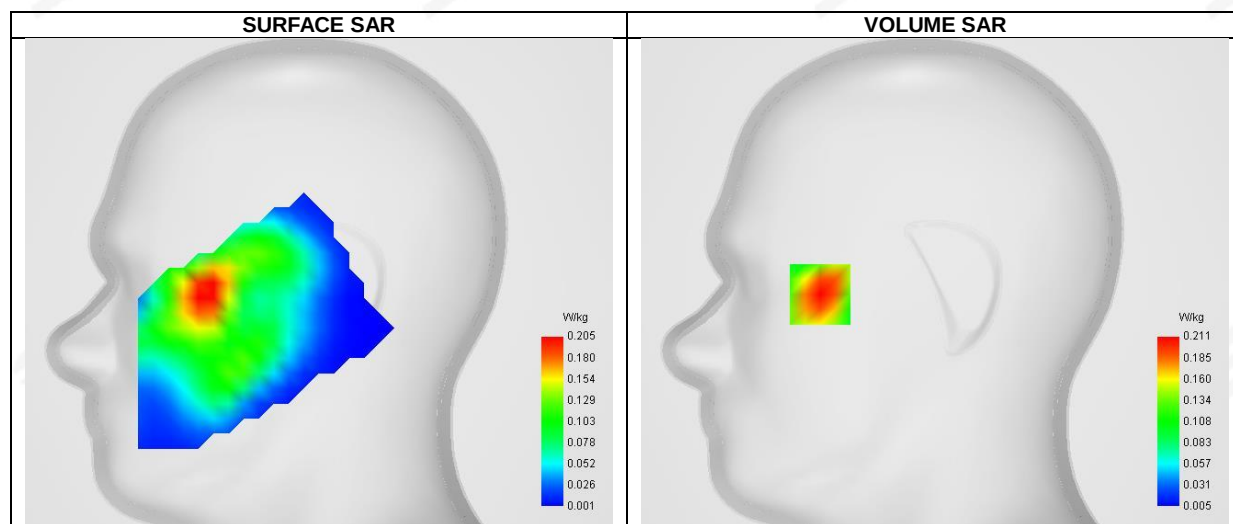


F. 3D Image



Plot 5: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-08
ConvF	1.73
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Right Cheek
Device Position	Cheek
Band	WCDMA II
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.42
Conductivity (S/m)	1.39



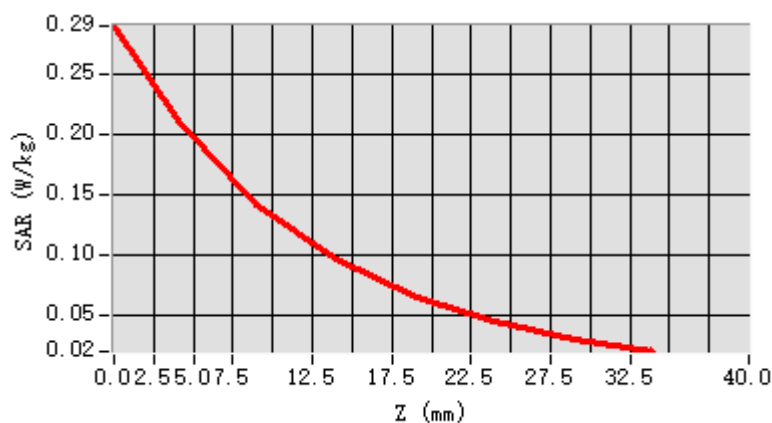
Maximum location: X=-61.00, Y=-6.00 ; SAR Peak: 0.29 W/kg

D. SAR 1g & 10g

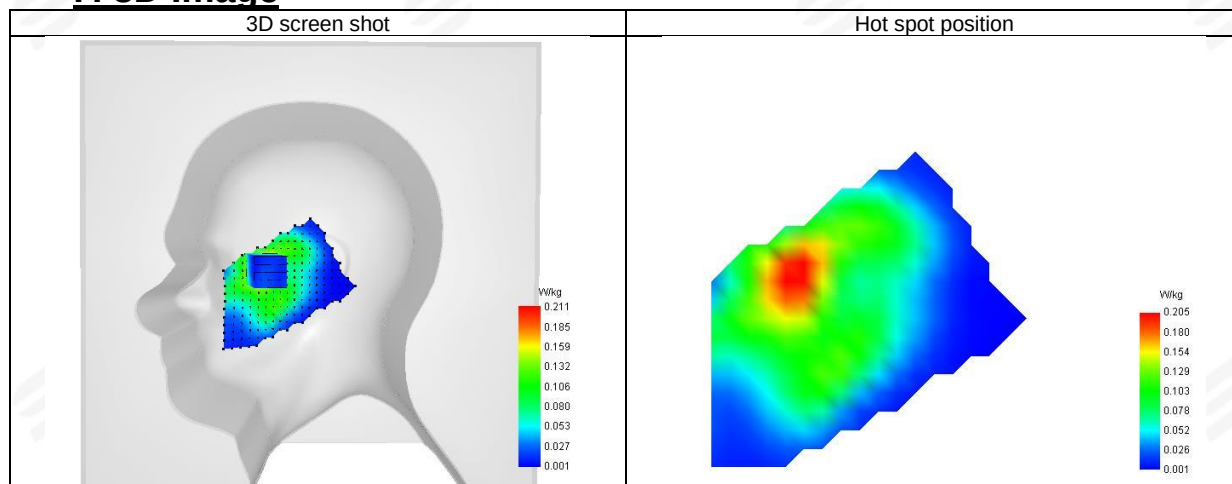
SAR 10g (W/Kg)	0.124
SAR 1g (W/Kg)	0.201
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	67.161091

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.289	0.211	0.142	0.097	0.065	0.044	0.030

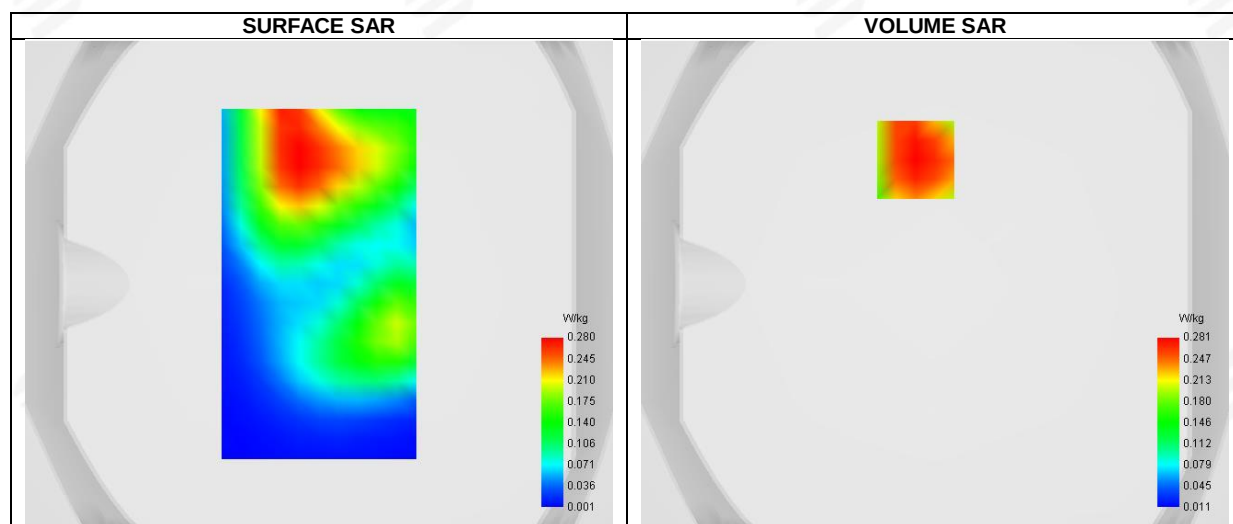


F. 3D Image



**Plot 6: DUT: Smartphone; EUT Model: A15**

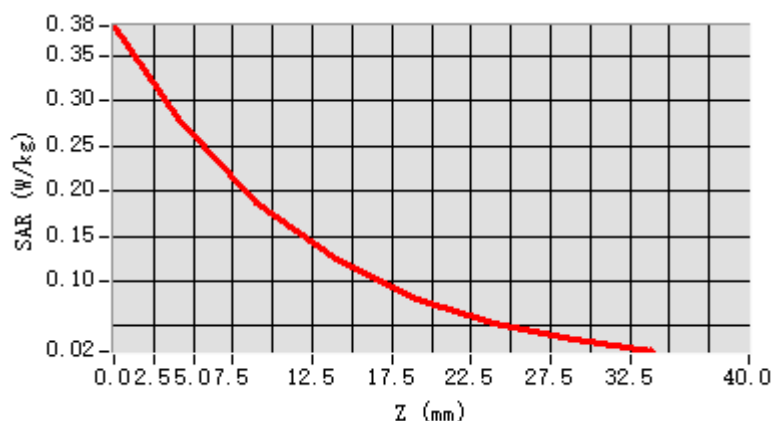
Test Date	2026-05-08
ConvF	1.73
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	WCDMA II
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.42
Conductivity (S/m)	1.39

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

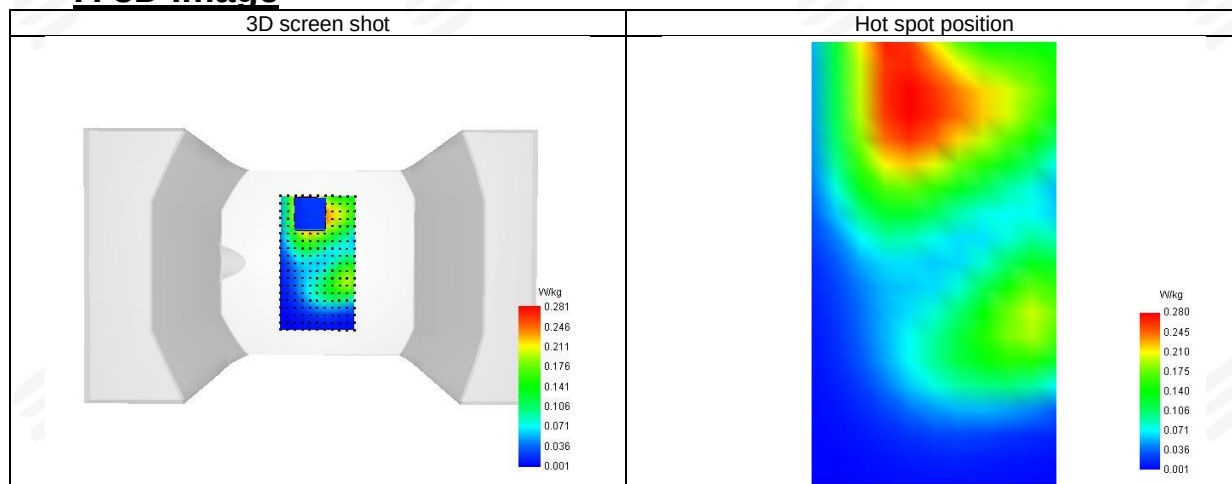
SAR 10g (W/Kg)	0.172
SAR 1g (W/Kg)	0.269
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	66.192172

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.383	0.281	0.186	0.124	0.080	0.052	0.034

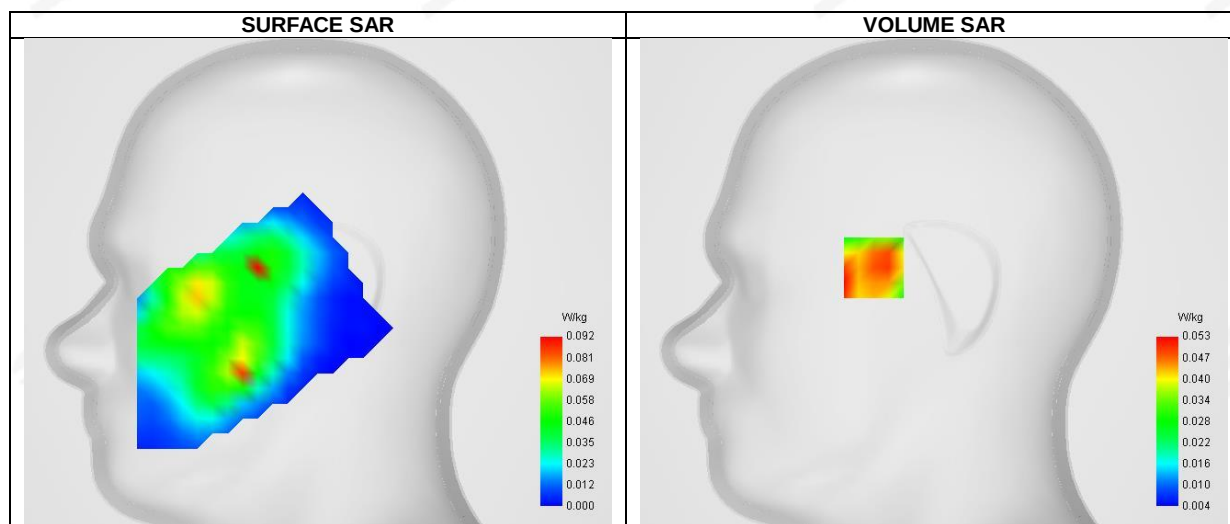


F. 3D Image



Plot 7: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-08
ConvF	1.54
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Right Cheek
Device Position	Cheek
Band	WCDMA 4
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1712.6
Relative permittivity (real part)	40.48
Conductivity (S/m)	1.33



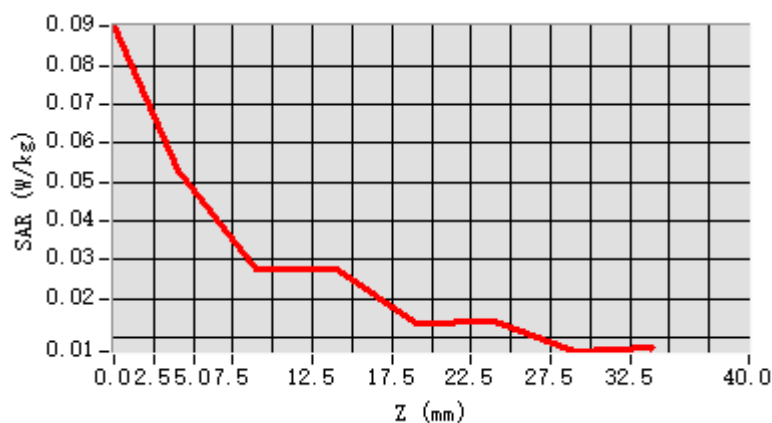
Maximum location: X=-32.00, Y=8.00 ; SAR Peak: 0.07 W/kg

D. SAR 1g & 10g

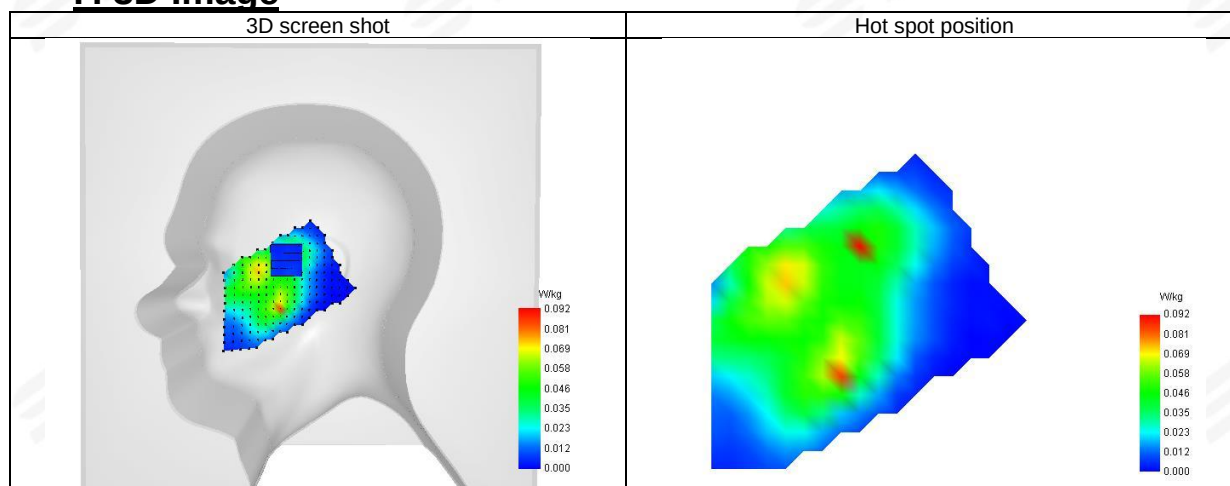
SAR 10g (W/Kg)	0.023
SAR 1g (W/Kg)	0.045
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	52.830188

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.090	0.053	0.028	0.027	0.013	0.014	0.007

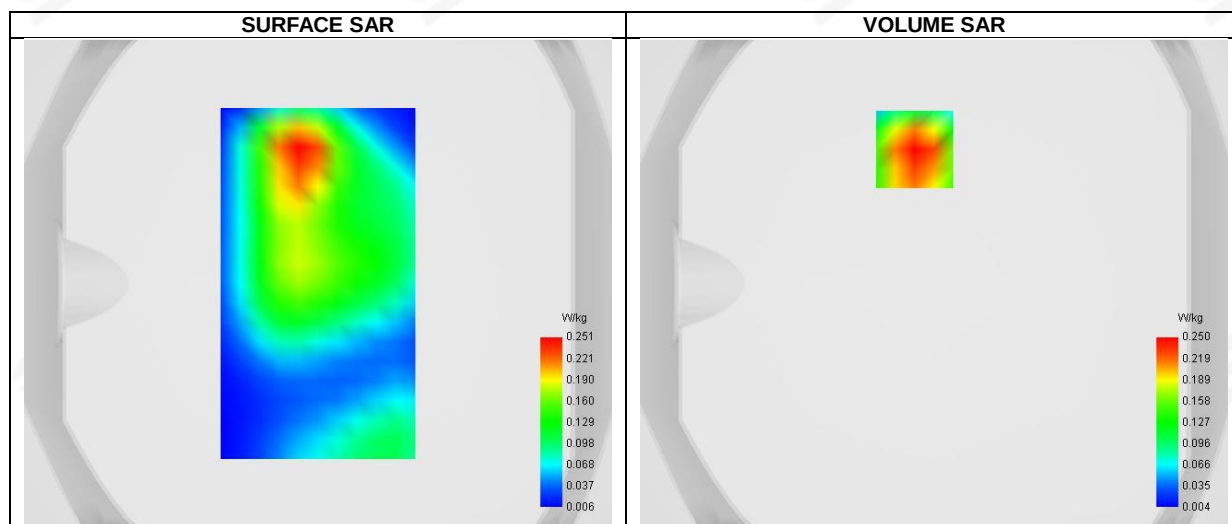


F. 3D Image



**Plot 8: DUT: Smartphone; EUT Model: A15**

Test Date	2026-05-08
ConvF	1.54
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	WCDMA 4
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1712.6
Relative permittivity (real part)	40.48
Conductivity (S/m)	1.33



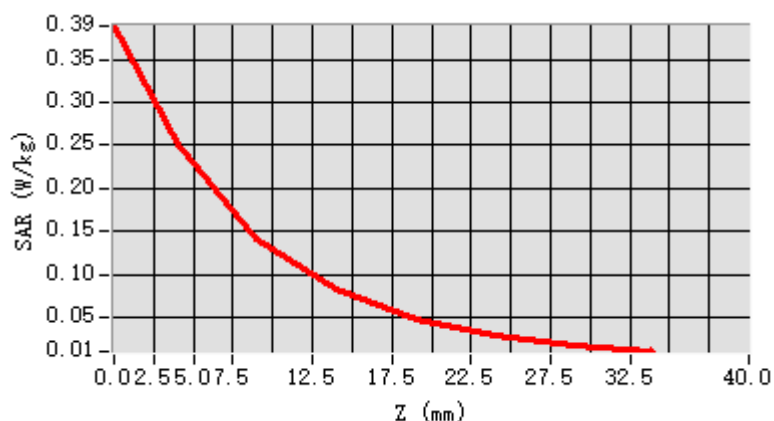
Maximum location: X=-8.00, Y=55.00 ; SAR Peak: 0.39 W/kg

D. SAR 1g & 10g

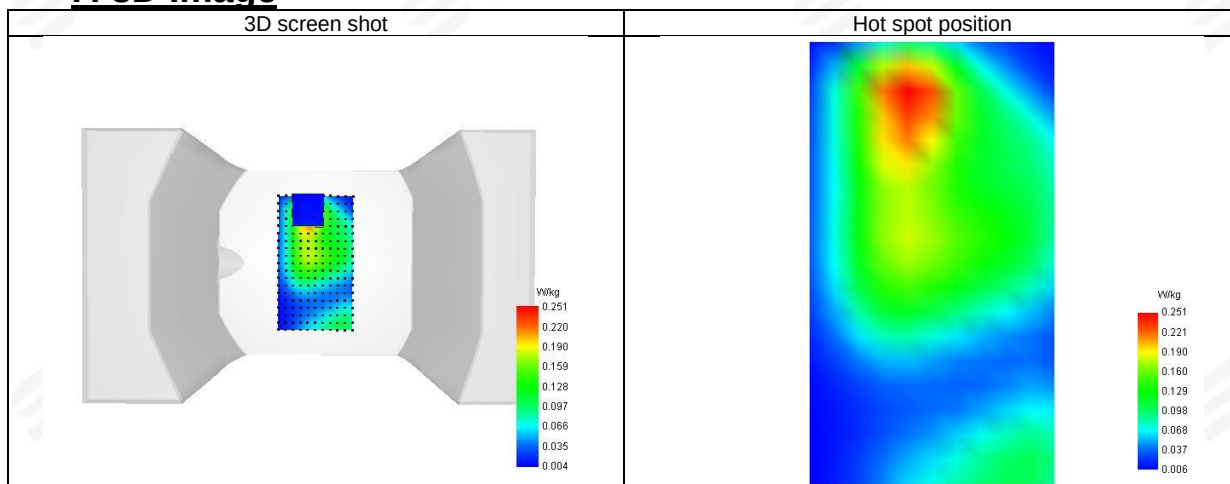
SAR 10g (W/Kg)	0.124
SAR 1g (W/Kg)	0.238
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	56.436971

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.389	0.250	0.141	0.084	0.049	0.028	0.016

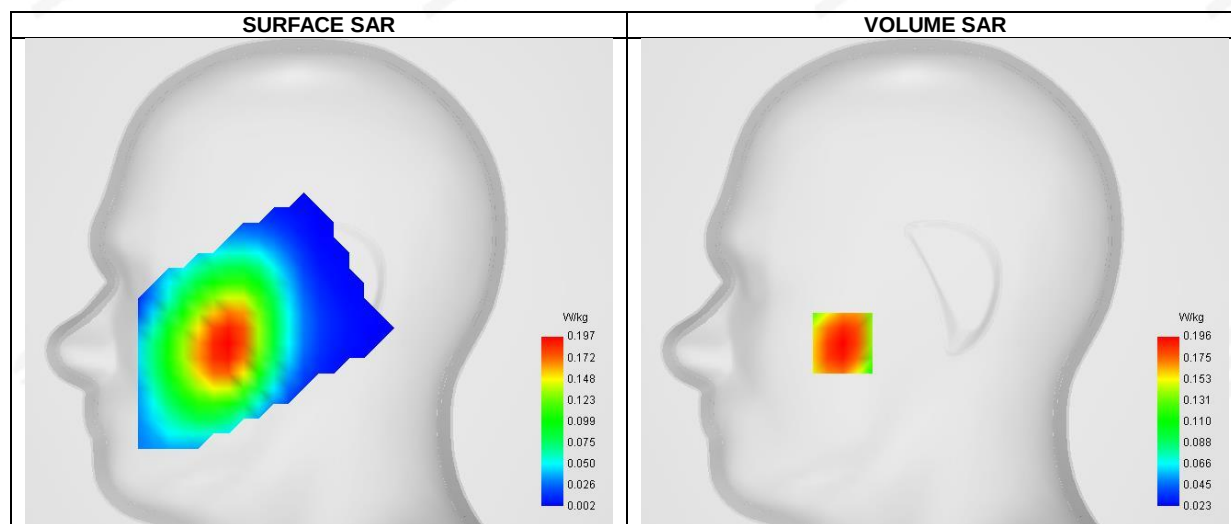


F. 3D Image



Plot 9: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-07
ConvF	1.49
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Right Cheek
Device Position	Cheek
Band	WCDMA 5
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	41.88
Conductivity (S/m)	0.91



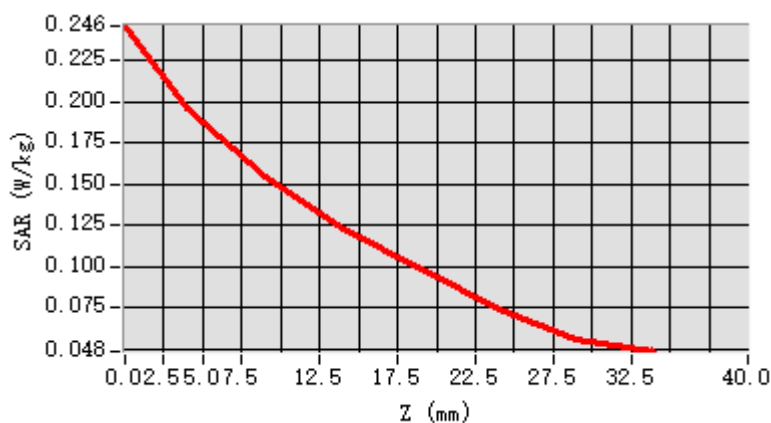
Maximum location: X=-49.00, Y=-32.00 ; SAR Peak: 0.25 W/kg

D. SAR 1g & 10g

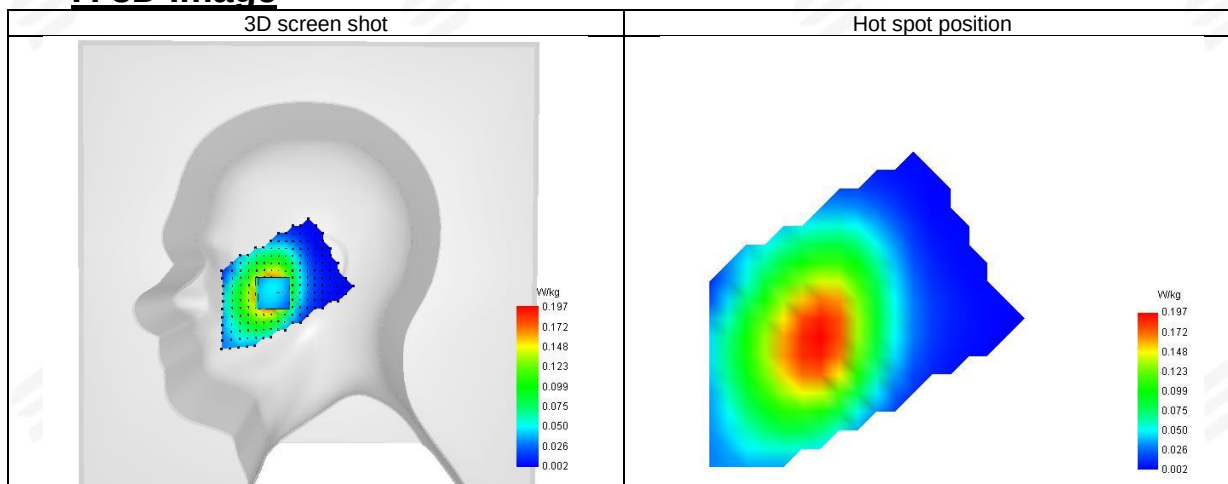
SAR 10g (W/Kg)	0.142
SAR 1g (W/Kg)	0.193
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	79.081632

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.246	0.196	0.155	0.123	0.099	0.074	0.055

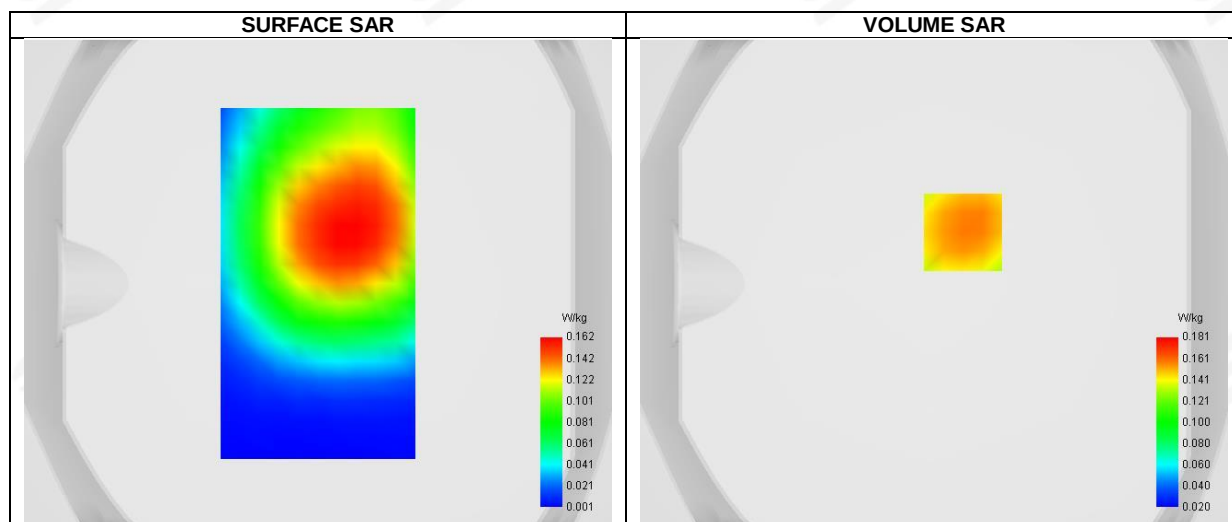


F. 3D Image



**Plot 10: DUT: Smartphone; EUT Model: A15**

Test Date	2026-05-07
ConvF	1.49
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	WCDMA 5
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	41.88
Conductivity (S/m)	0.91



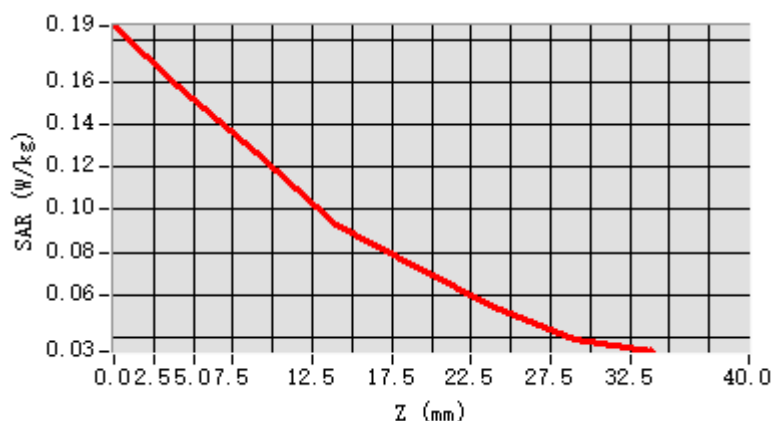
Maximum location: X=12.00, Y=21.00 ; SAR Peak: 0.25 W/kg

D. SAR 1g & 10g

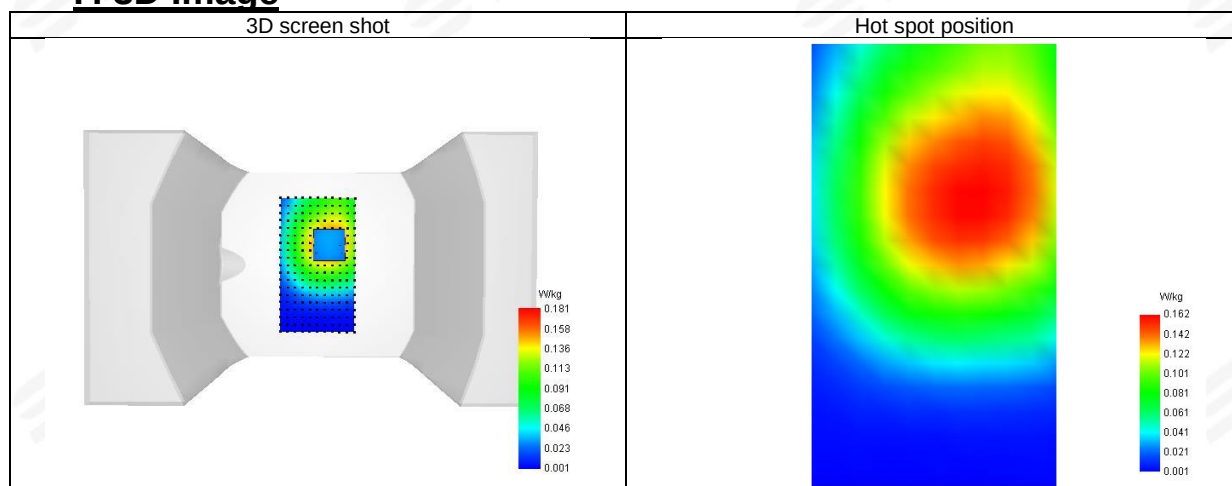
SAR 10g (W/Kg)	0.103
SAR 1g (W/Kg)	0.162
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	75.379746

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.186	0.158	0.127	0.093	0.073	0.054	0.039

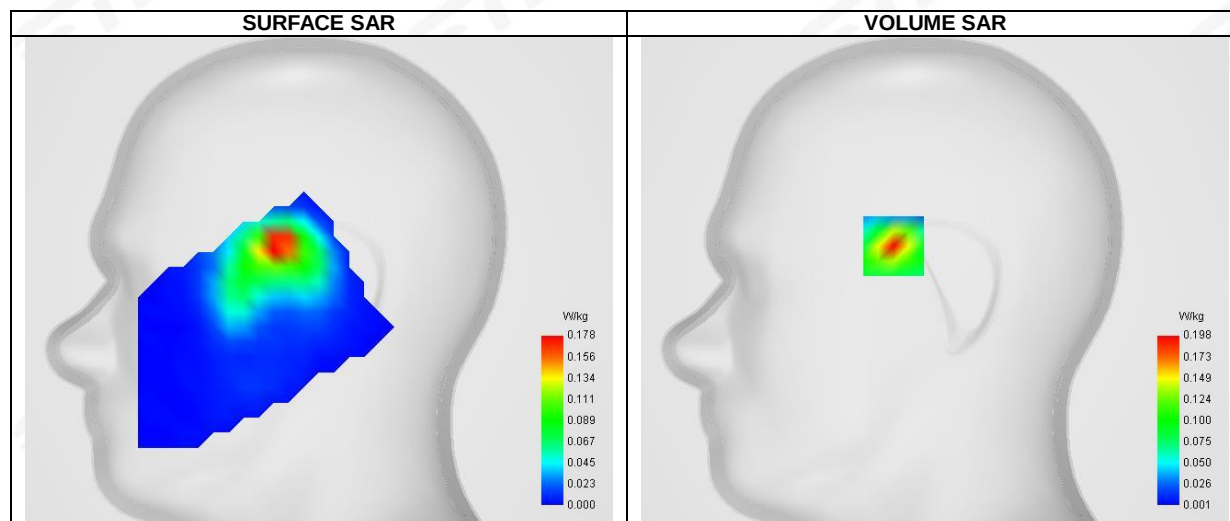


F. 3D Image



Plot 11: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-09
ConvF	1.82
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Right Cheek
Device Position	Cheek
Band	2.4G WLAN
Signal	802.11b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	38.91
Conductivity (S/m)	1.83



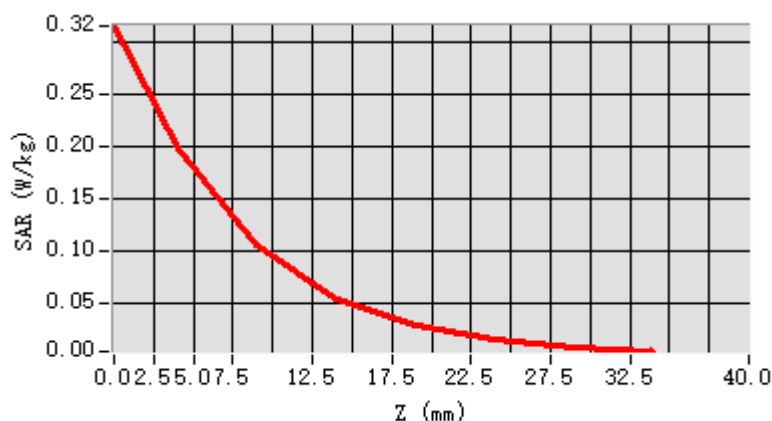
Maximum location: X=-22.00, Y=19.00 ; SAR Peak: 0.32 W/kg

D. SAR 1g & 10g

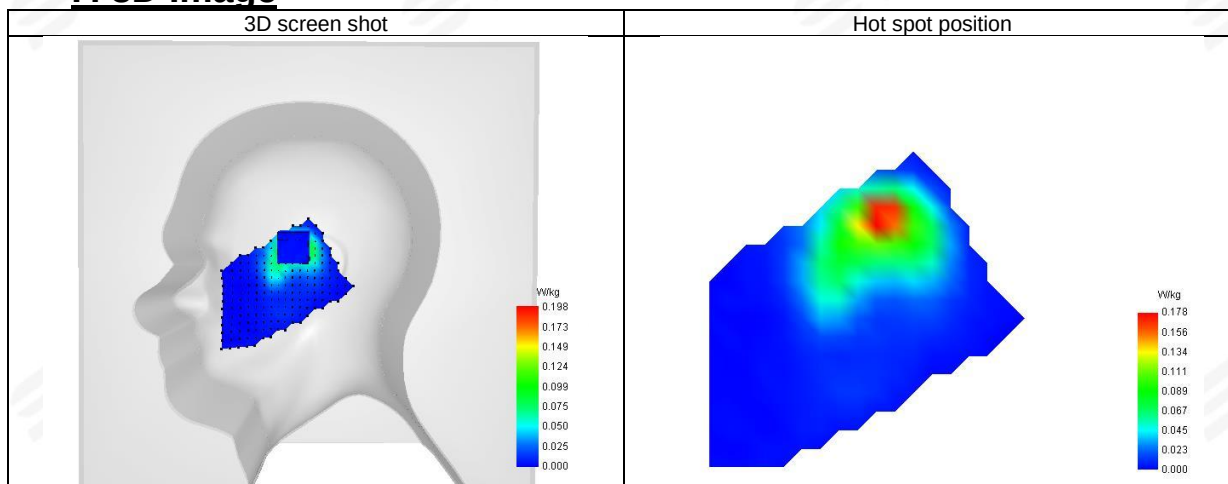
SAR 10g (W/Kg)	0.083
SAR 1g (W/Kg)	0.177
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	53.413732

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.316	0.198	0.106	0.055	0.029	0.015	0.008

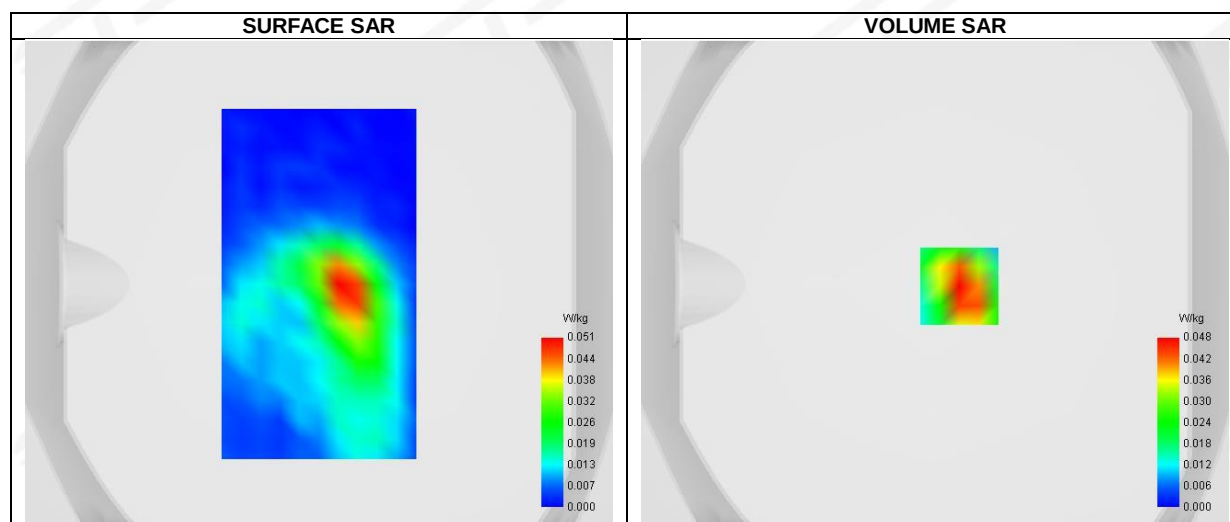


F. 3D Image



Plot 12: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-09
ConvF	1.82
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	2.4G WLAN
Signal	802.11b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	38.91
Conductivity (S/m)	1.83



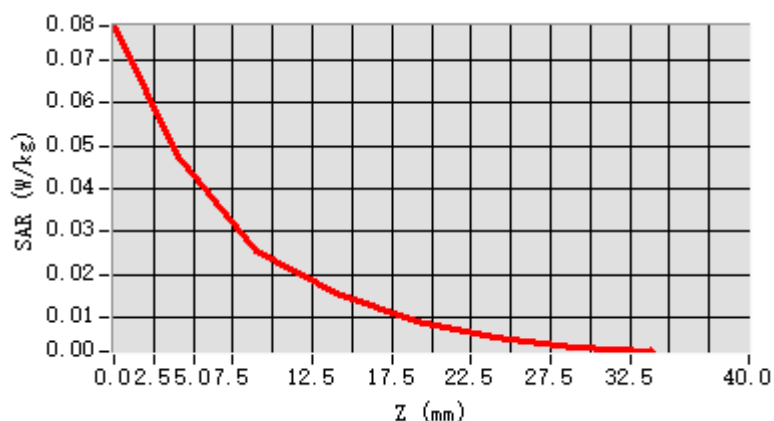
Maximum location: X=10.00, Y=-1.00 ; SAR Peak: 0.08 W/kg

D. SAR 1g & 10g

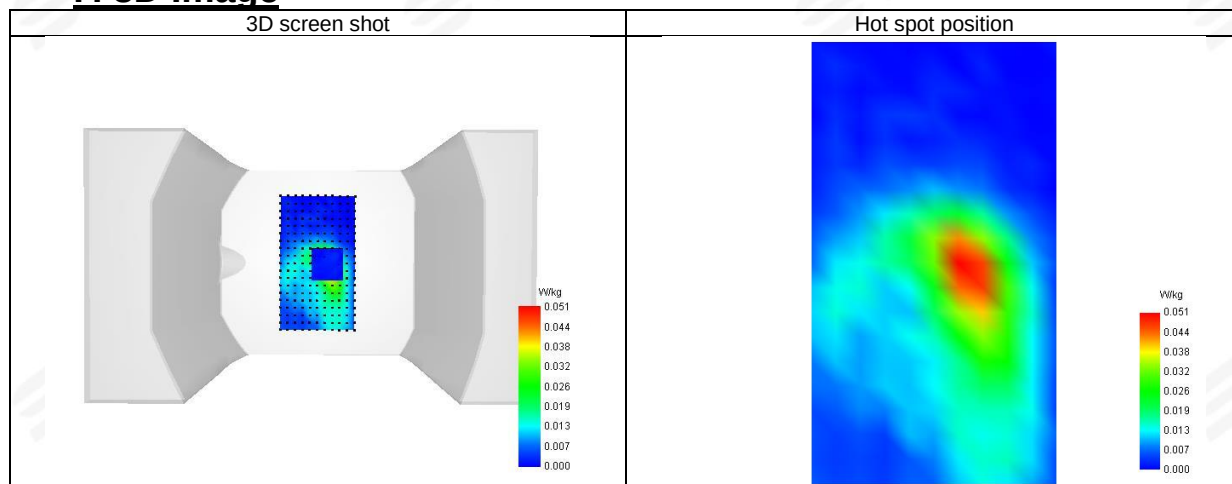
SAR 10g (W/Kg)	0.023
SAR 1g (W/Kg)	0.046
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	53.368231

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.078	0.048	0.025	0.016	0.009	0.005	0.003

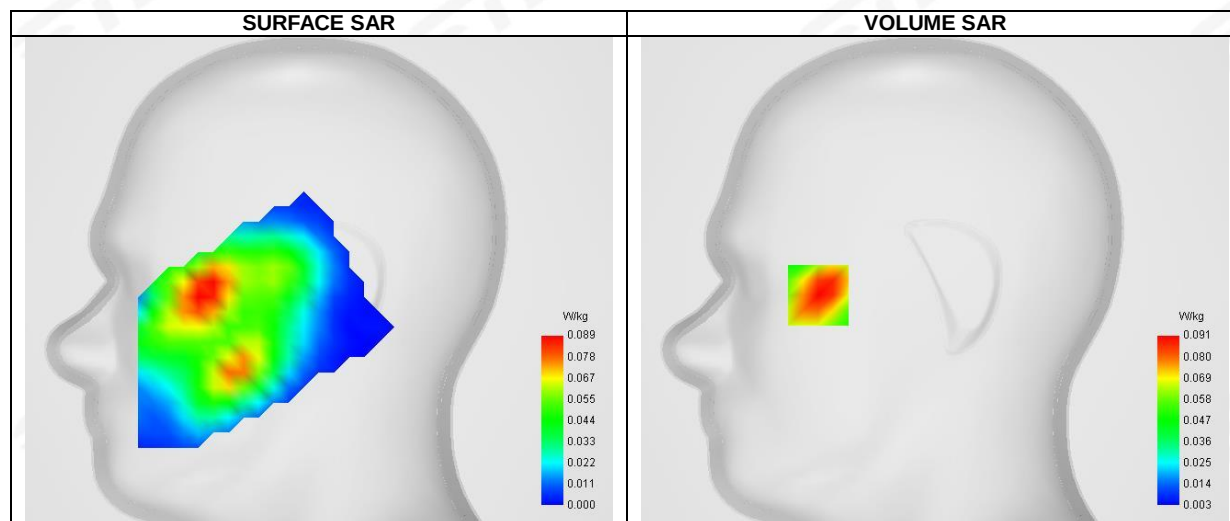


F. 3D Image



Plot 13: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-09
ConvF	1.82
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Right Cheek
Device Position	Cheek
Band	BT
Signal	GFSK
Frequency (MHz)	2480
Relative permittivity (real part)	39.75
Conductivity (S/m)	1.83



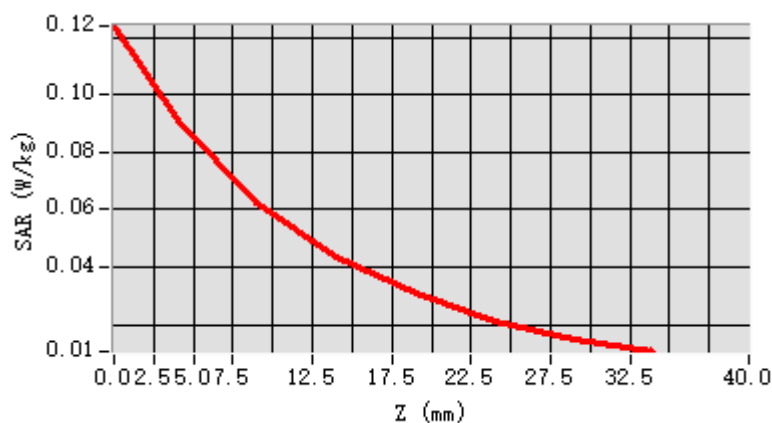
Maximum location: X=-62.00, Y=-7.00 ; SAR Peak: 0.13 W/kg

D. SAR 1g & 10g

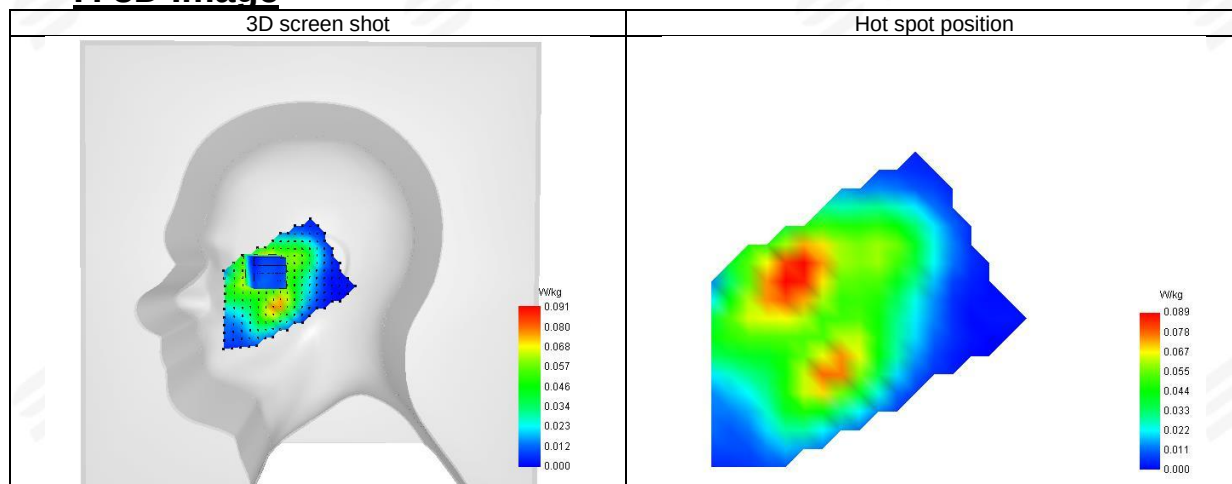
SAR 10g (W/Kg)	0.056
SAR 1g (W/Kg)	0.088
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	69.230762

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.124	0.091	0.063	0.043	0.031	0.021	0.015



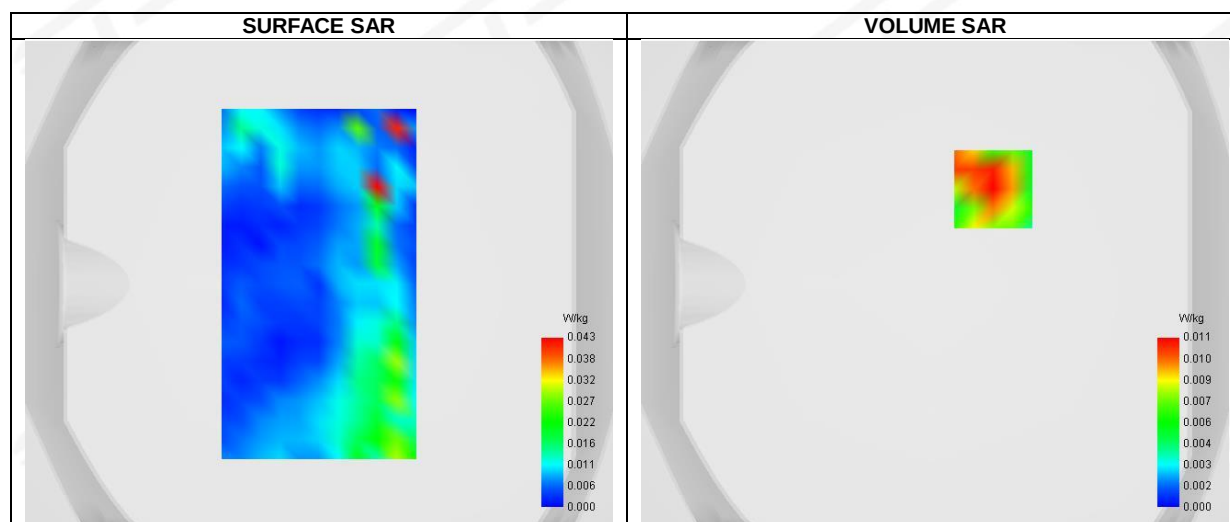
F. 3D Image





Plot 14: DUT: Smartphone; EUT Model: A15

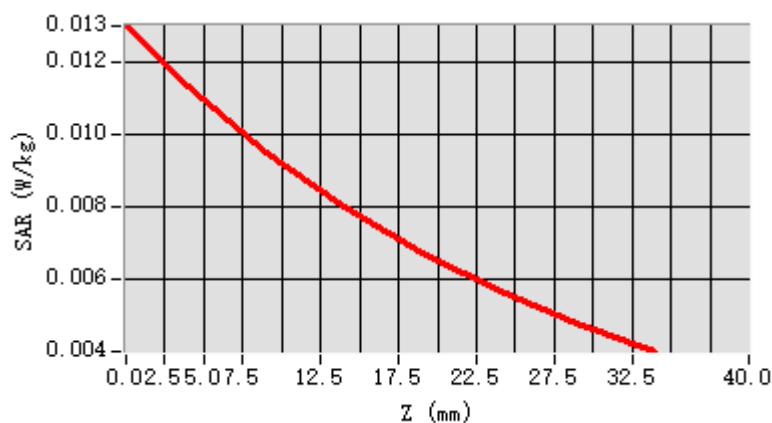
Test Date	2026-05-09
ConvF	1.82
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	BT
Signal	GFSK
Frequency (MHz)	2480
Relative permittivity (real part)	39.75
Conductivity (S/m)	1.83

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

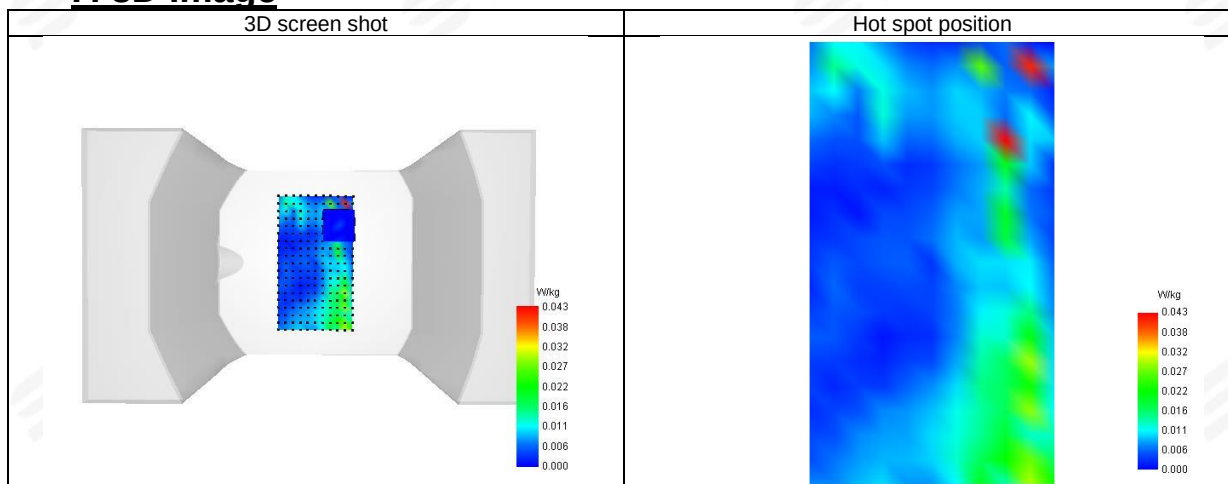
SAR 10g (W/Kg)	0.012
SAR 1g (W/Kg)	0.033
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	84.112758

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.013	0.011	0.010	0.008	0.007	0.006	0.005

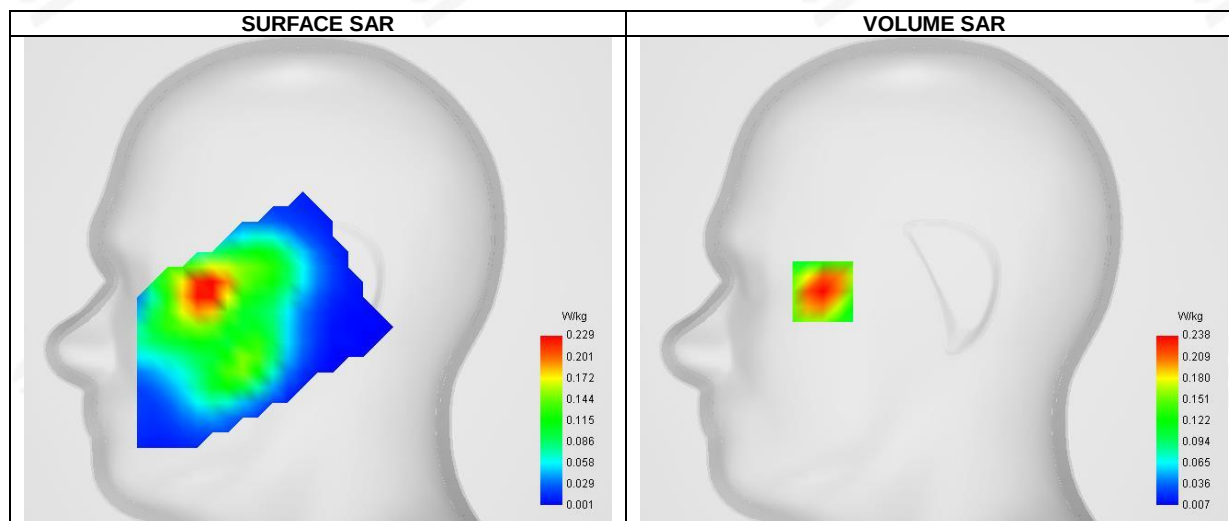


F. 3D Image



Plot 15: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-10
ConvF	1.37
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Right Cheek
Device Position	Cheek
Band	5.2G WLAN
Signal	802.11a (Crest factor: 1.0)
Frequency (MHz)	5200
Relative permittivity (real part)	36.40
Conductivity (S/m)	4.65



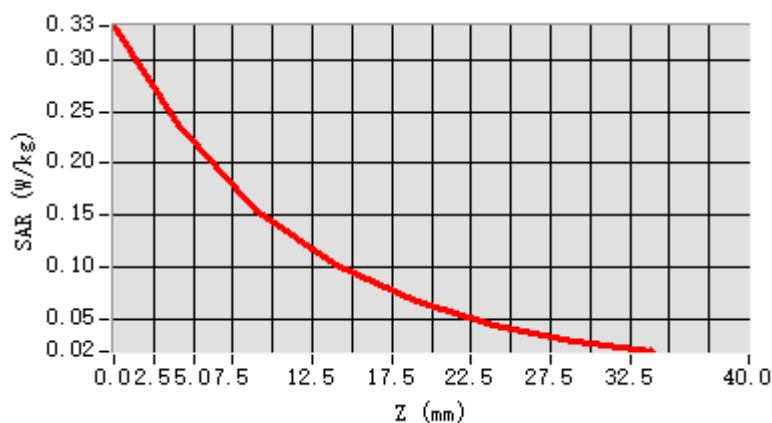
Maximum location: X=-59.00, Y=-5.00 ; SAR Peak: 0.34 W/kg

D. SAR 1g & 10g

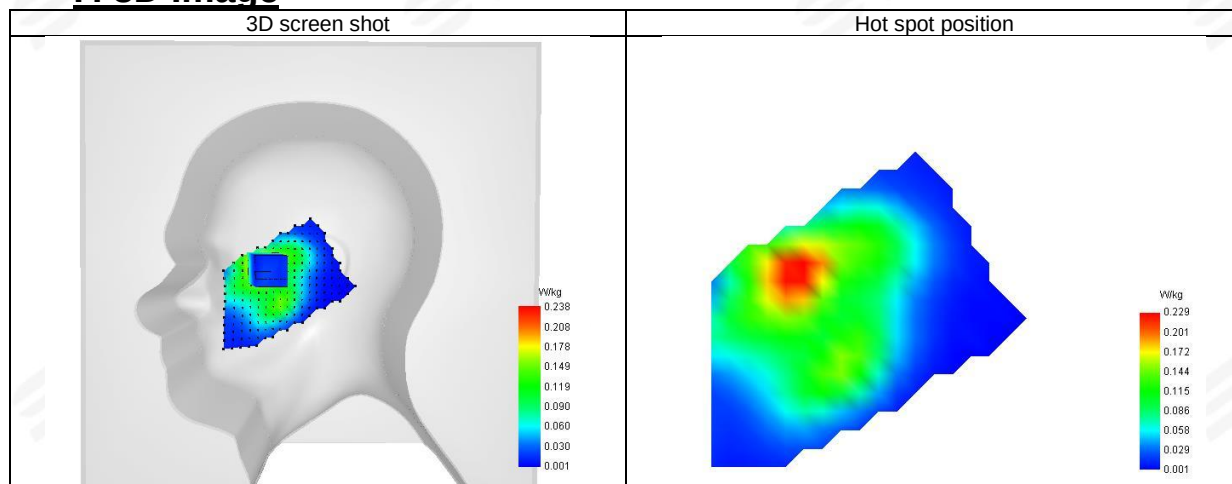
SAR 10g (W/Kg)	0.136
SAR 1g (W/Kg)	0.226
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	65.478650

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.332	0.238	0.156	0.104	0.068	0.045	0.030



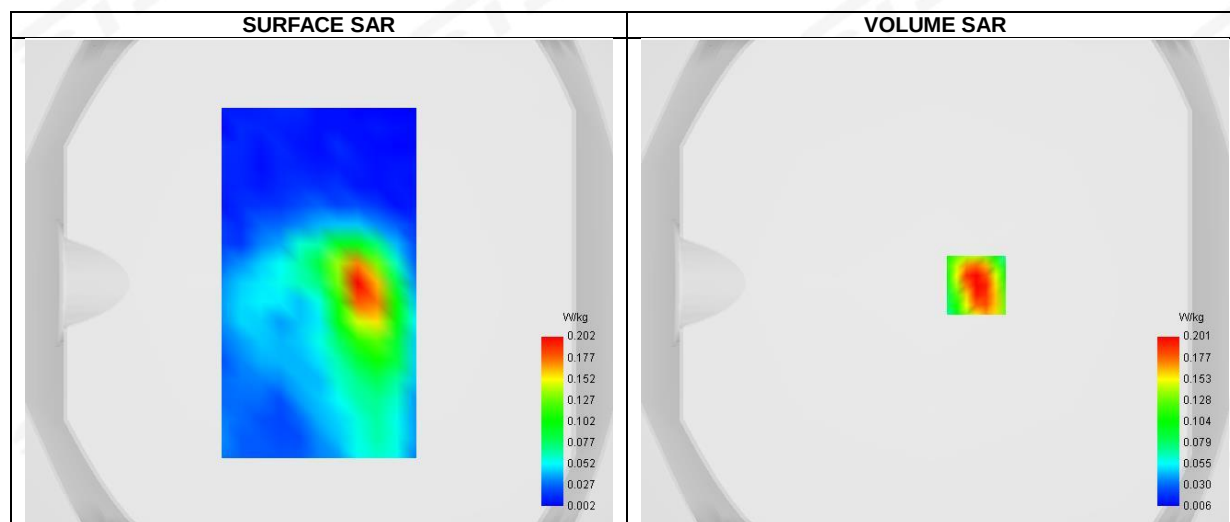
F. 3D Image





Plot 16: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-10
ConvF	1.37
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Validation plane
Device Position	Back Side
Band	5.2G WLAN
Signal	802.11a (Crest factor: 1.0)
Frequency (MHz)	5200
Relative permittivity (real part)	36.40
Conductivity (S/m)	4.65



Maximum location: X=17.00, Y=-1.00 ; SAR Peak: 0.29 W/kg

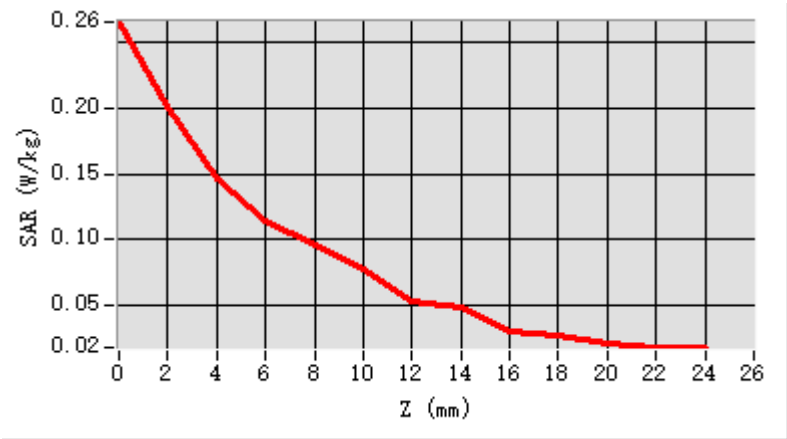
D. SAR 1g & 10g

SAR 10g (W/Kg)	0.068
SAR 1g (W/Kg)	0.143
Horizontal validation criteria: minimum distance (mm)	12.649111
Vertical validation criteria: SAR ratio M2/M1 (%)	77.472809

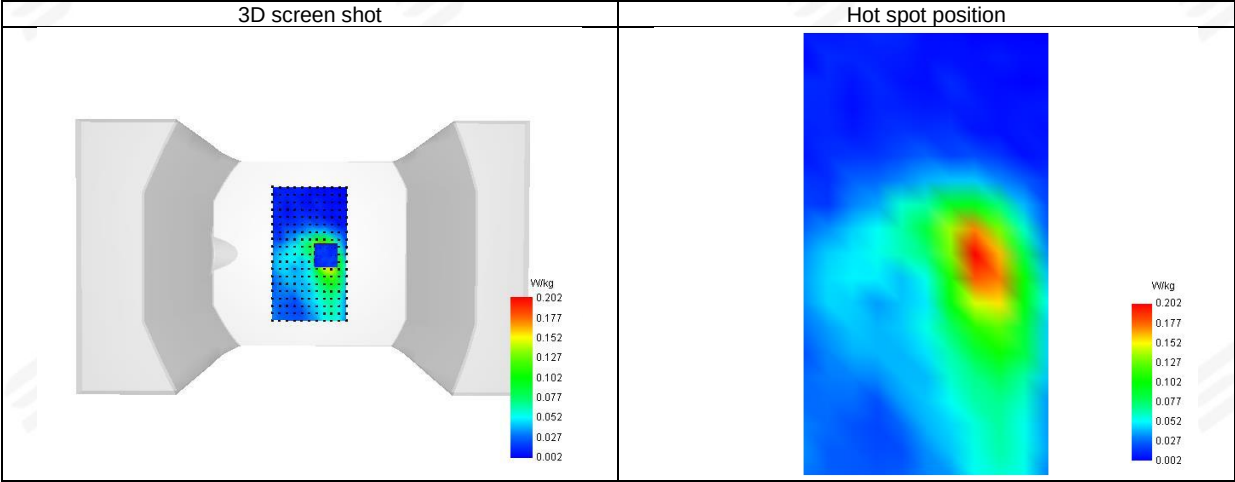


E. Z Axis Scan

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)	0.265	0.201	0.147	0.115	0.096	0.078	0.054	0.049	0.032	0.029	0.022	0.019

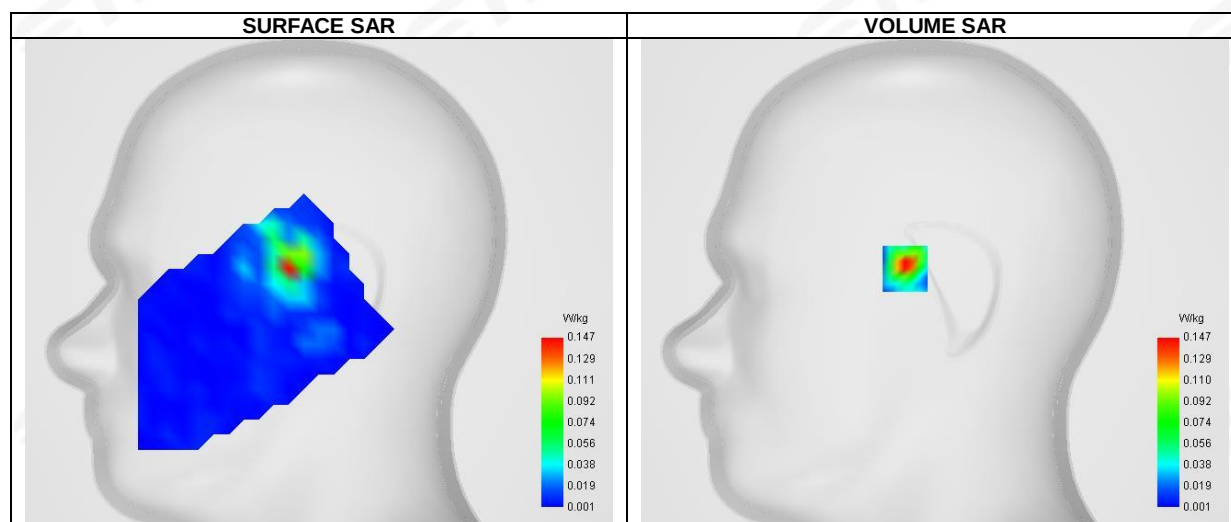


F. 3D Image



Plot 17: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-10
ConvF	1.37
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Right Cheek
Device Position	Cheek
Band	5.3G WLAN
Signal	802.11a (Crest factor: 1.0)
Frequency (MHz)	5300
Relative permittivity (real part)	36.10
Conductivity (S/m)	4.75



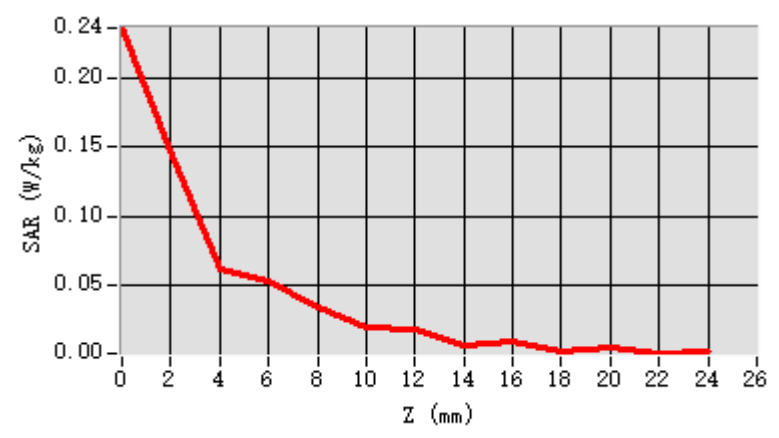
Maximum location: X=-16.00, Y=8.00 ; SAR Peak: 0.44 W/kg

D. SAR 1g & 10g

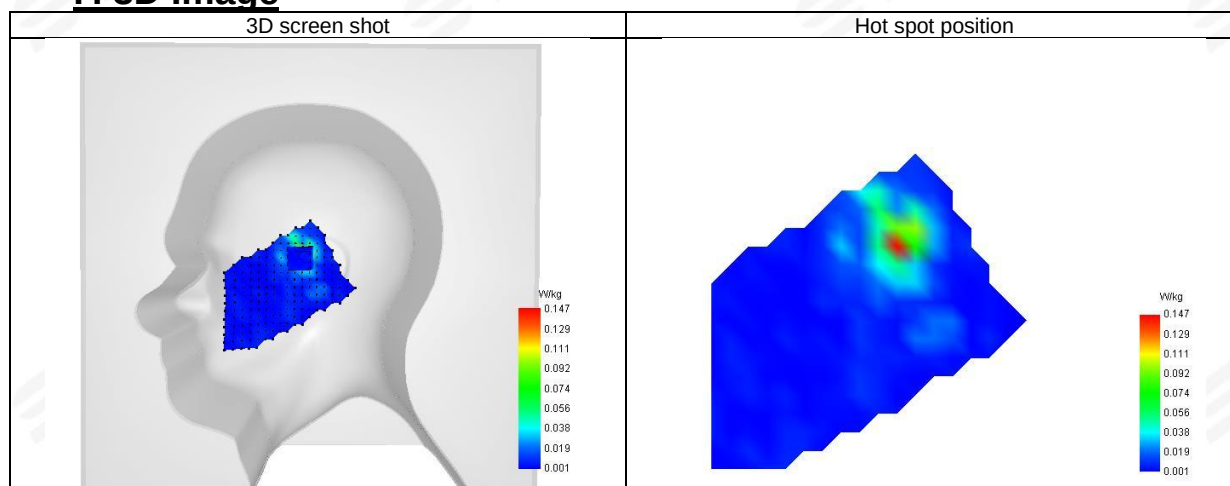
SAR 10g (W/Kg)	0.044
SAR 1g (W/Kg)	0.144
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	52.494056

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)	0.236	0.147	0.061	0.053	0.035	0.020	0.019	0.007	0.010	0.003	0.005	0.001

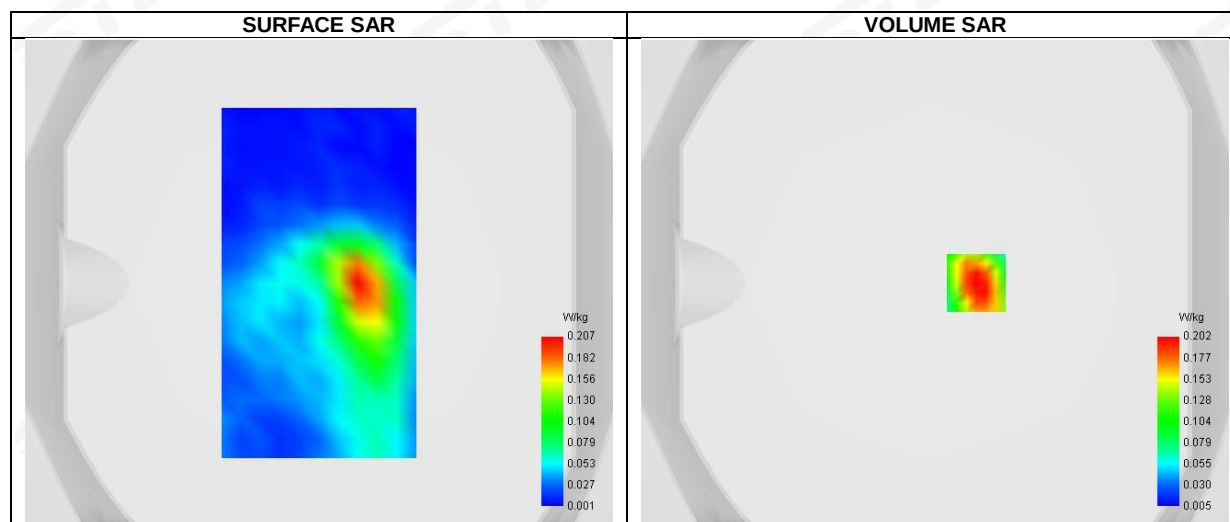


F. 3D Image



**Plot 18: DUT: Smartphone; EUT Model: A15**

Test Date	2026-05-10
ConvF	1.37
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Validation plane
Device Position	Back Side
Band	5.3G WLAN
Signal	802.11a (Crest factor: 1.0)
Frequency (MHz)	5300
Relative permittivity (real part)	36.10
Conductivity (S/m)	4.75



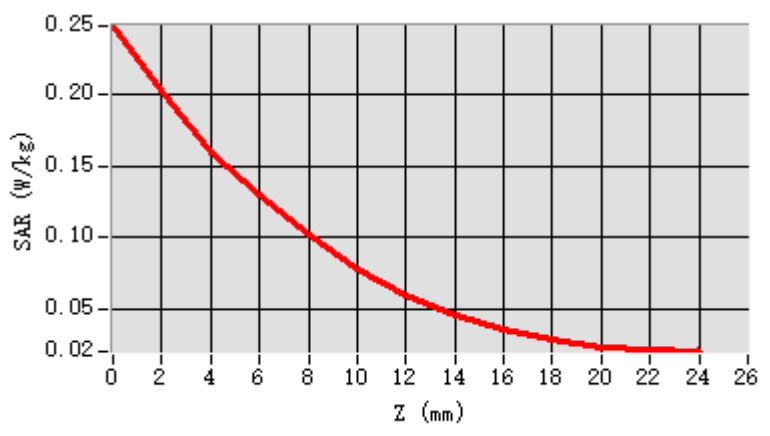
Maximum location: X=17.00, Y=0.00 ; SAR Peak: 0.27 W/kg

D. SAR 1g & 10g

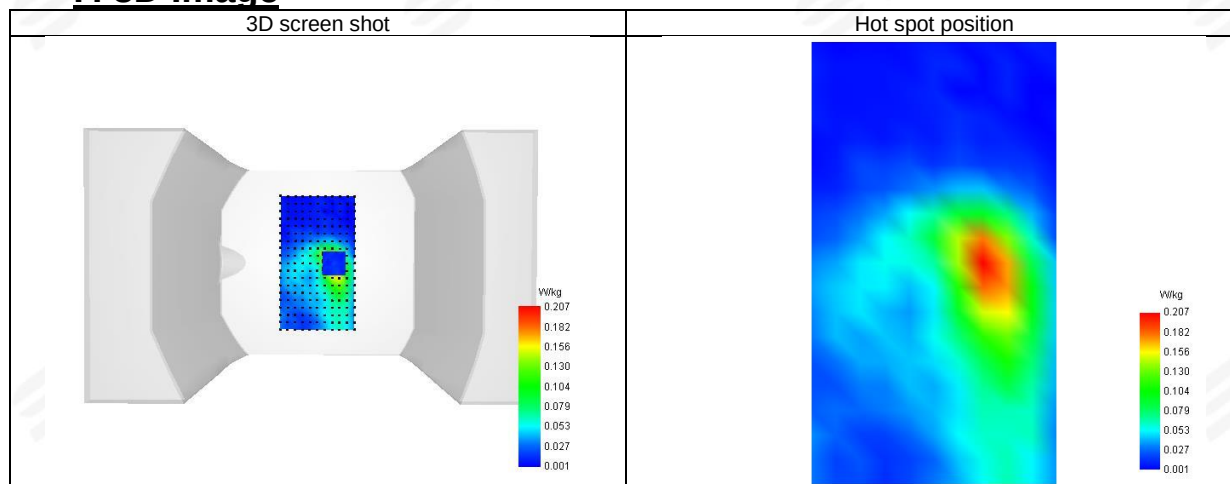
SAR 10g (W/Kg)	0.068
SAR 1g (W/Kg)	0.148
Horizontal validation criteria: minimum distance (mm)	12.649111
Vertical validation criteria: SAR ratio M2/M1 (%)	78.979242

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)	0.247	0.202	0.159	0.130	0.102	0.078	0.060	0.046	0.036	0.029	0.024	0.022

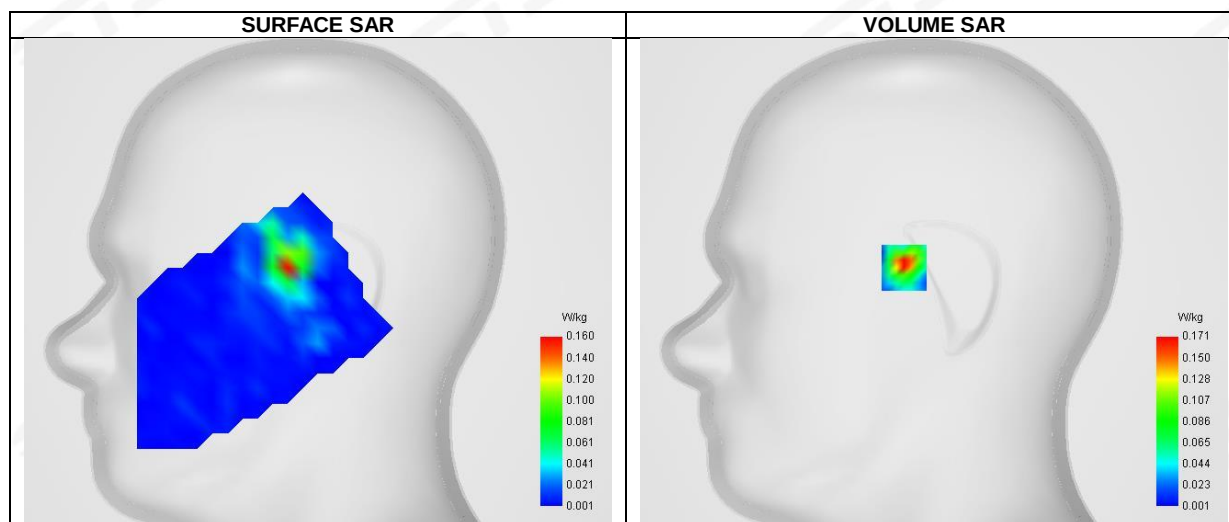


F. 3D Image



Plot 19: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-10
ConvF	1.32
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Right Cheek
Device Position	Cheek
Band	5.8G WLAN
Signal	802.11a (Crest factor: 1.0)
Frequency (MHz)	5745
Relative permittivity (real part)	35.79
Conductivity (S/m)	5.23



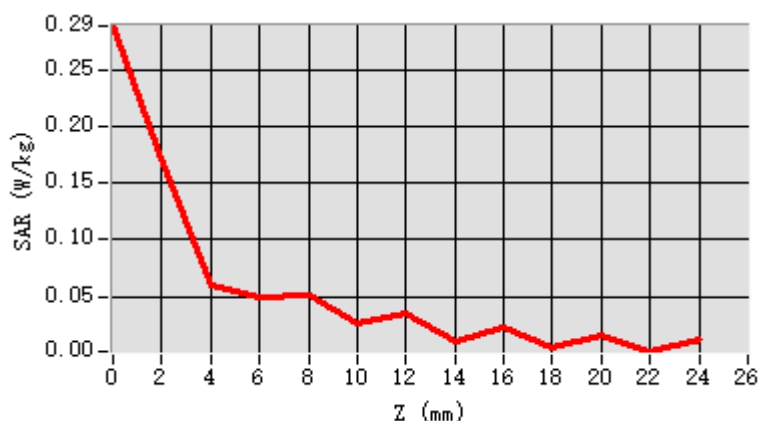
Maximum location: X=-16.00, Y=8.00 ; SAR Peak: 0.48 W/kg

D. SAR 1g & 10g

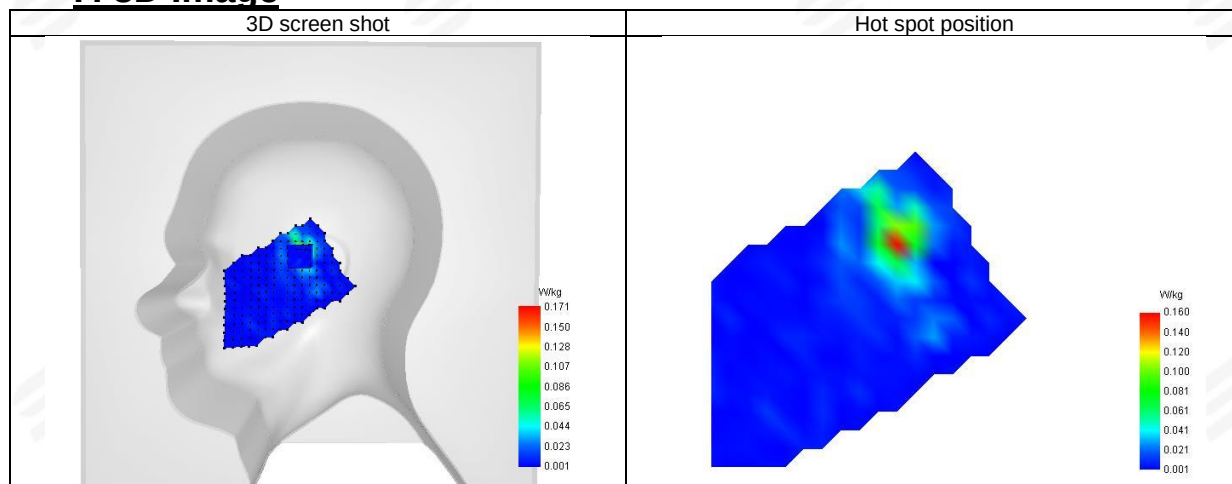
SAR 10g (W/Kg)	0.051
SAR 1g (W/Kg)	0.169
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.641420

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)	0.288	0.171	0.061	0.050	0.051	0.027	0.035	0.011	0.024	0.005	0.016	0.002



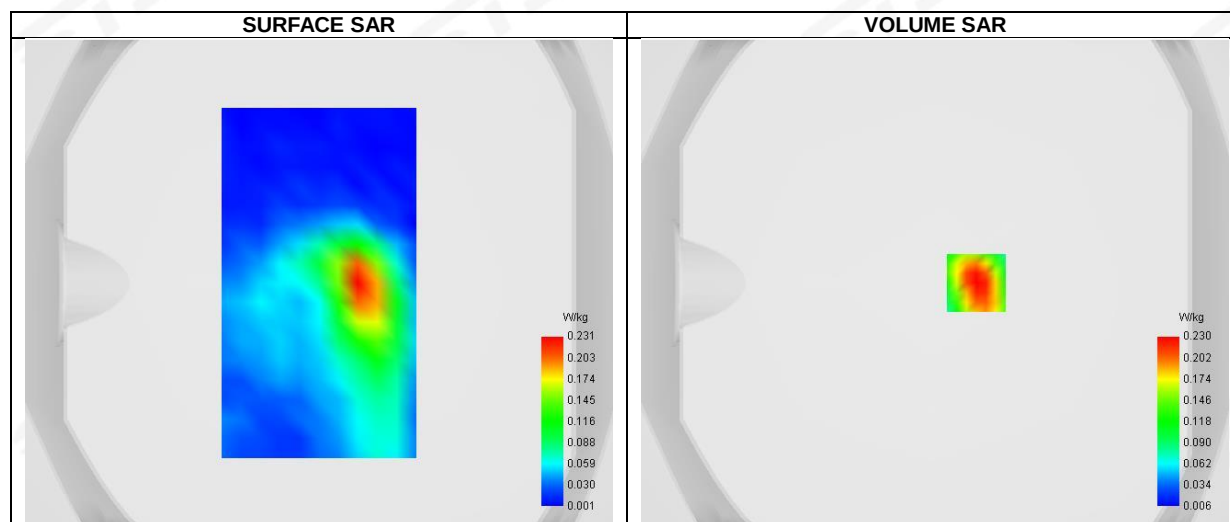
F. 3D Image





Plot 20: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-10
ConvF	1.32
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Validation plane
Device Position	Back Side
Band	5.8G WLAN
Signal	802.11a (Crest factor: 1.0)
Frequency (MHz)	5745
Relative permittivity (real part)	35.79
Conductivity (S/m)	5.23



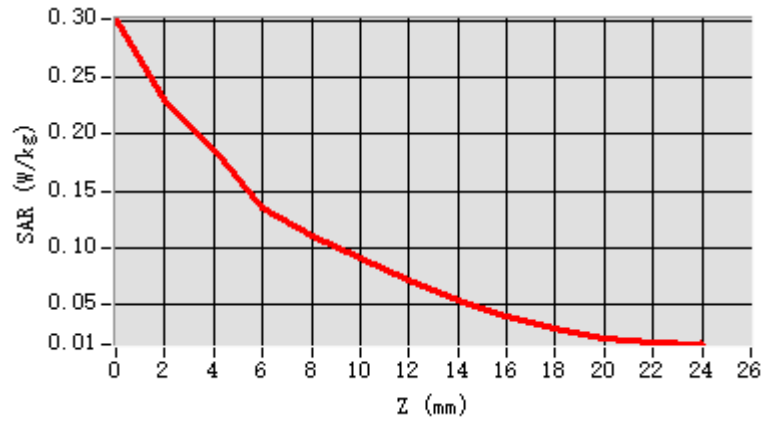
Maximum location: X=17.00, Y=0.00 ; SAR Peak: 0.30 W/kg

D. SAR 1g & 10g

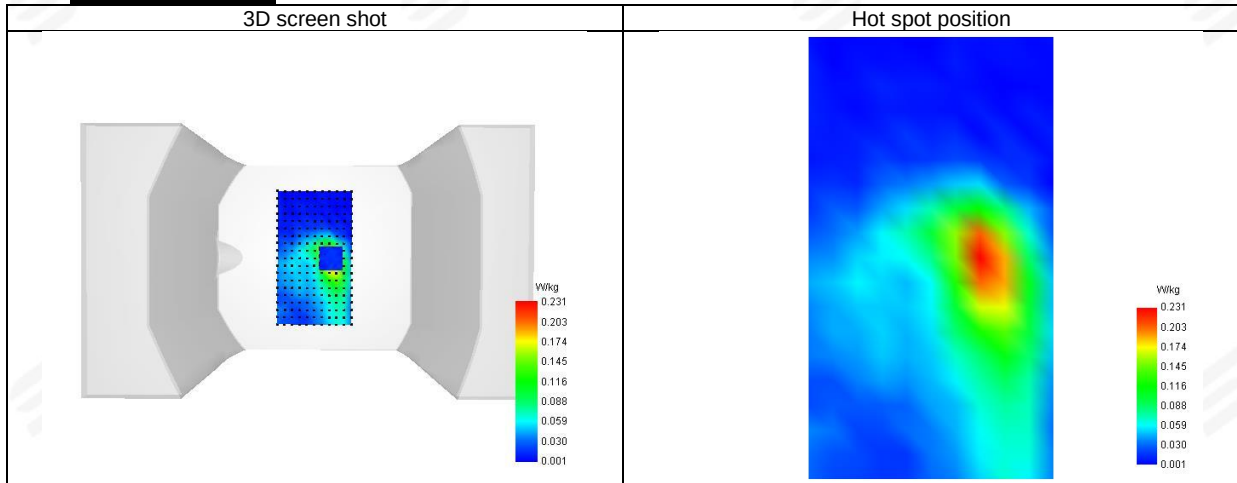
SAR 10g (W/Kg)	0.079
SAR 1g (W/Kg)	0.162
Horizontal validation criteria: minimum distance (mm)	12.649111
Vertical validation criteria: SAR ratio M2/M1 (%)	81.027974

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)	0.301	0.230	0.186	0.134	0.110	0.091	0.071	0.054	0.040	0.028	0.021	0.016

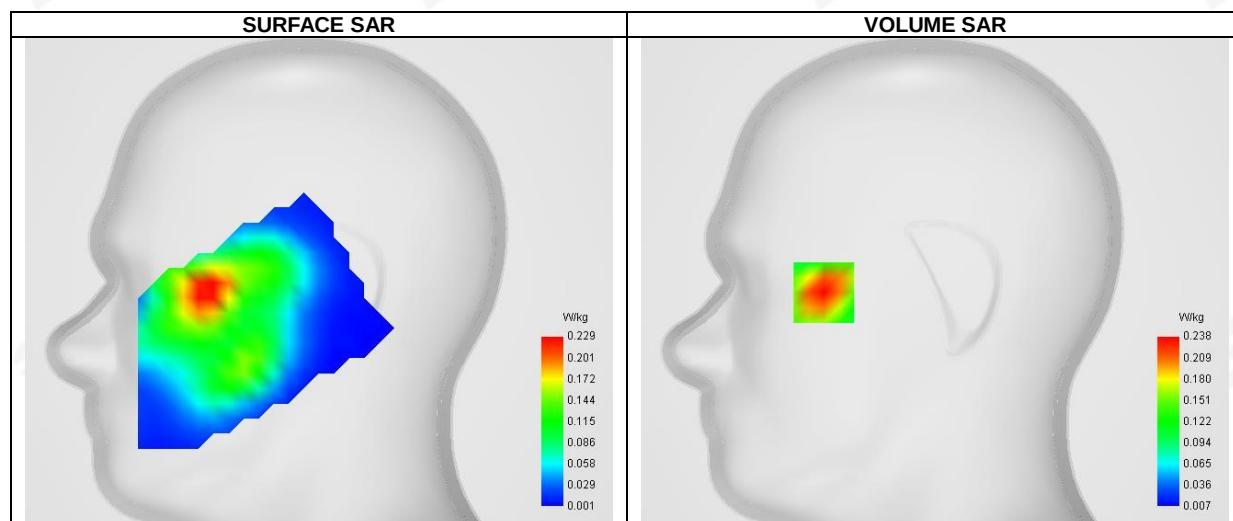


F. 3D Image



Plot 21: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-08
ConvF	1.73
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Right Cheek
Device Position	Cheek
Band	LTE Band 2 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1860
Relative permittivity (real part)	40.78
Conductivity (S/m)	1.43



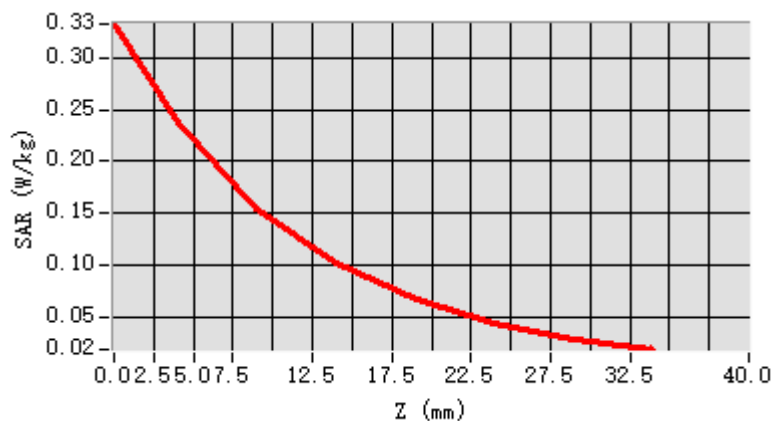
Maximum location: X=-59.00, Y=-5.00 ; SAR Peak: 0.34 W/kg

D. SAR 1g & 10g

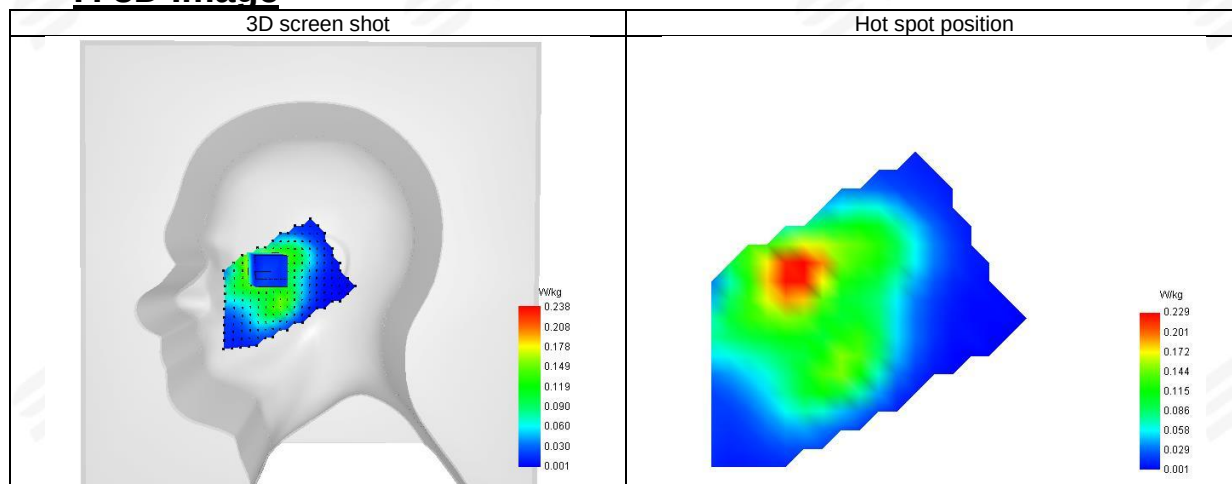
SAR 10g (W/Kg)	0.136
SAR 1g (W/Kg)	0.226
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	65.478650

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.332	0.238	0.156	0.104	0.068	0.045	0.030

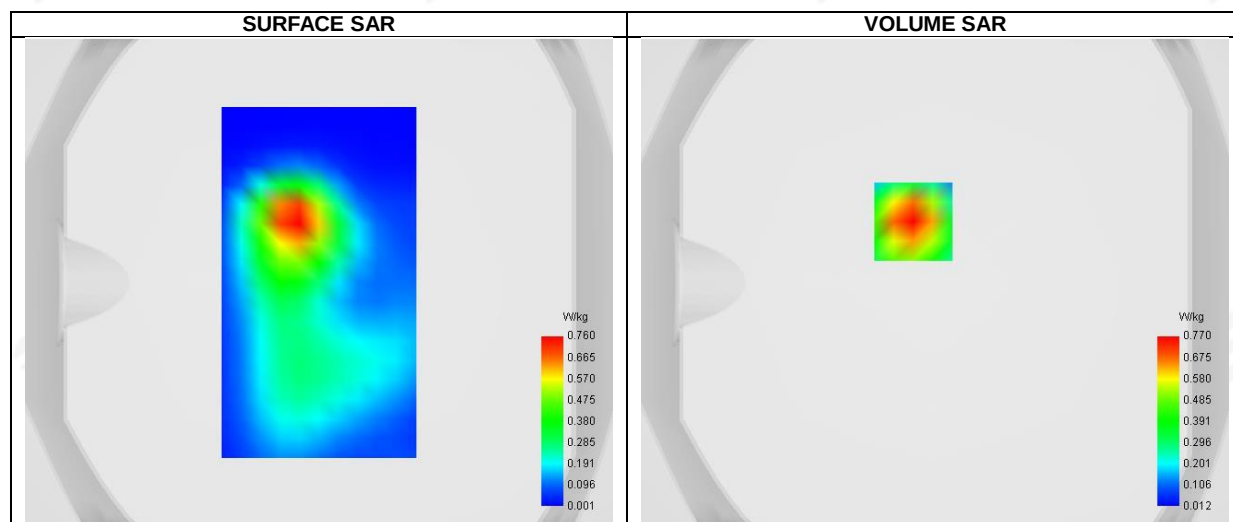


F. 3D Image



Plot 22: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-08
ConvF	1.73
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 2 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1860
Relative permittivity (real part)	40.78
Conductivity (S/m)	1.43



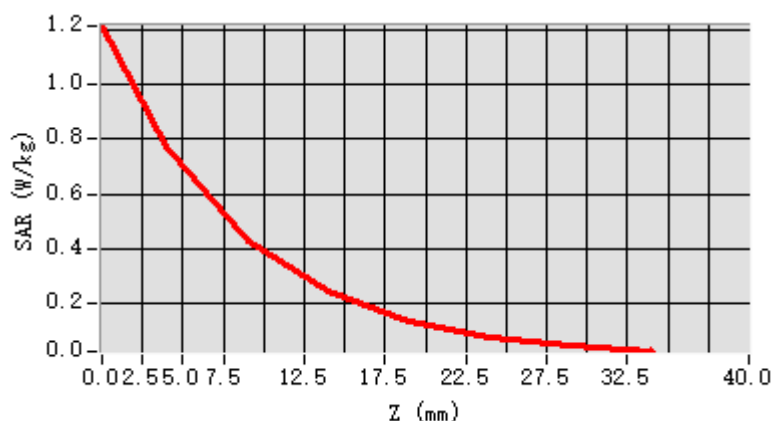
Maximum location: X=-9.00, Y=25.00 ; SAR Peak: 1.23 W/kg

D. SAR 1g & 10g

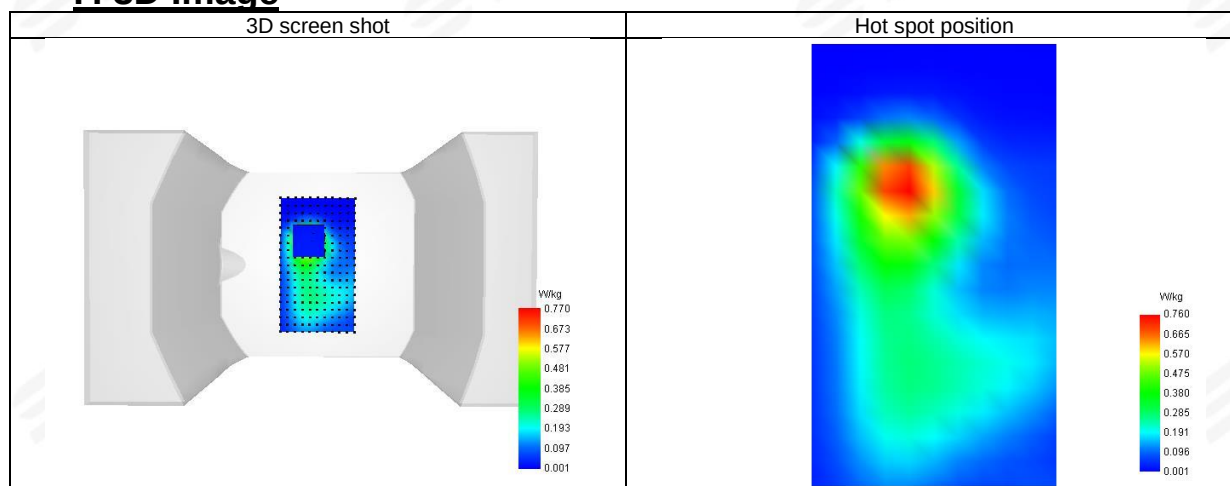
SAR 10g (W/Kg)	0.381
SAR 1g (W/Kg)	0.732
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.358649

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.211	0.770	0.426	0.247	0.140	0.080	0.045

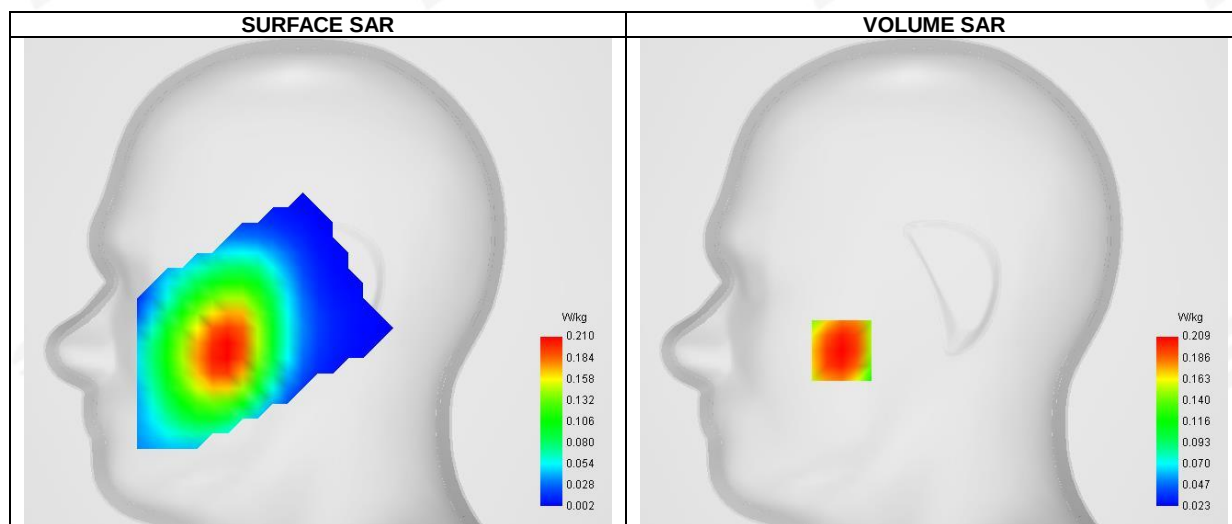


F. 3D Image



Plot 23: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-07
ConvF	1.49
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Right Cheek
Device Position	Cheek
Band	LTE Band 5 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	844
Relative permittivity (real part)	41.58
Conductivity (S/m)	0.91



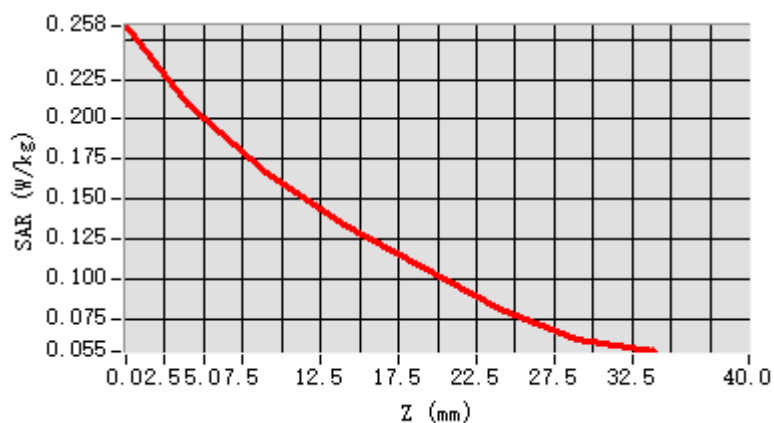
Maximum location: X=-49.00, Y=-36.00 ; SAR Peak: 0.26 W/kg

D. SAR 1g & 10g

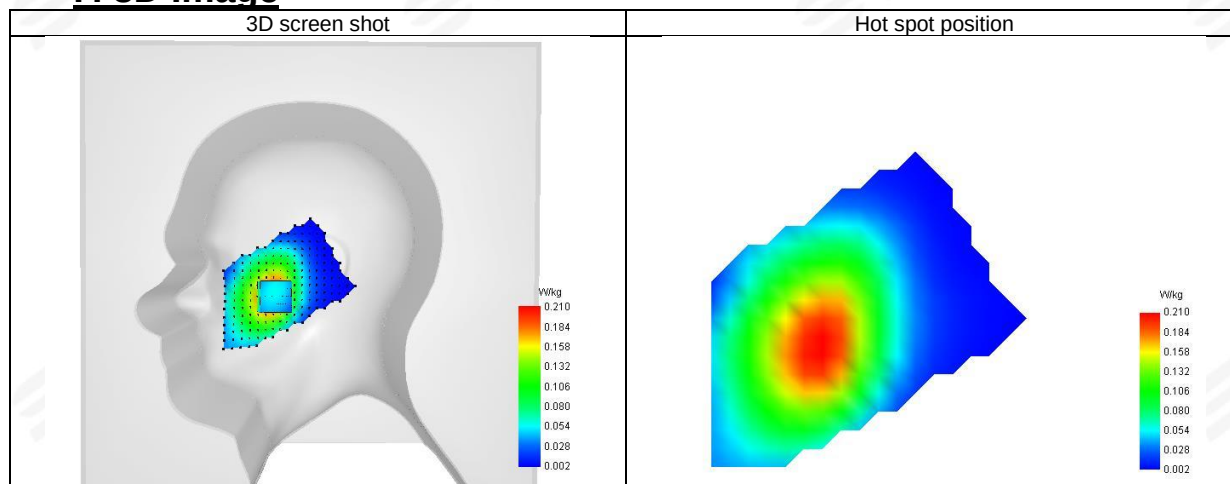
SAR 10g (W/Kg)	0.153
SAR 1g (W/Kg)	0.206
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	81.007514

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.258	0.209	0.167	0.133	0.107	0.081	0.062

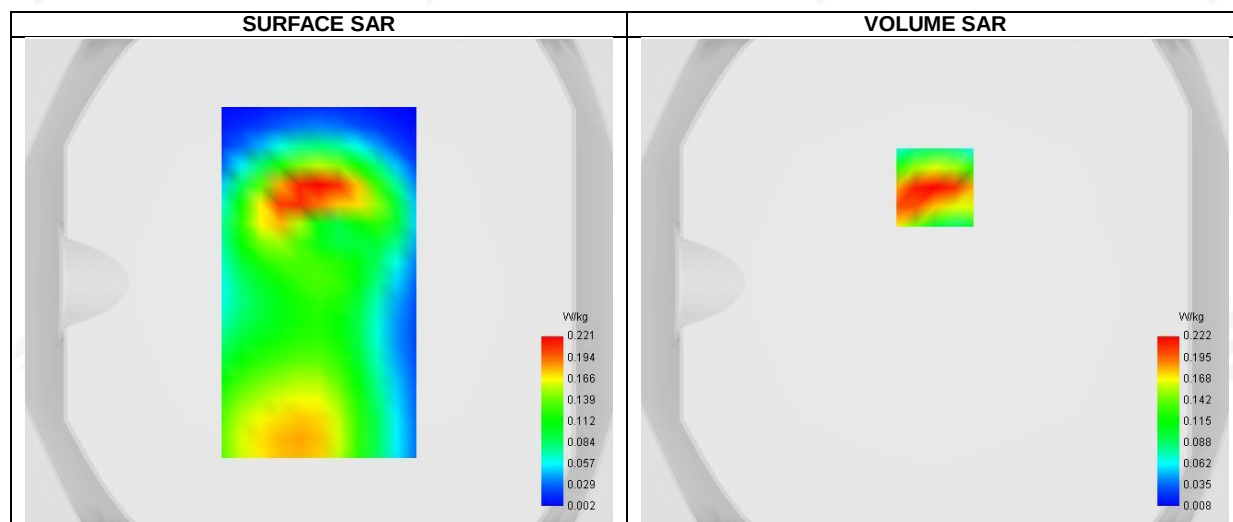


F. 3D Image



Plot 24: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-07
ConvF	1.49
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 5 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	844
Relative permittivity (real part)	41.58
Conductivity (S/m)	0.91



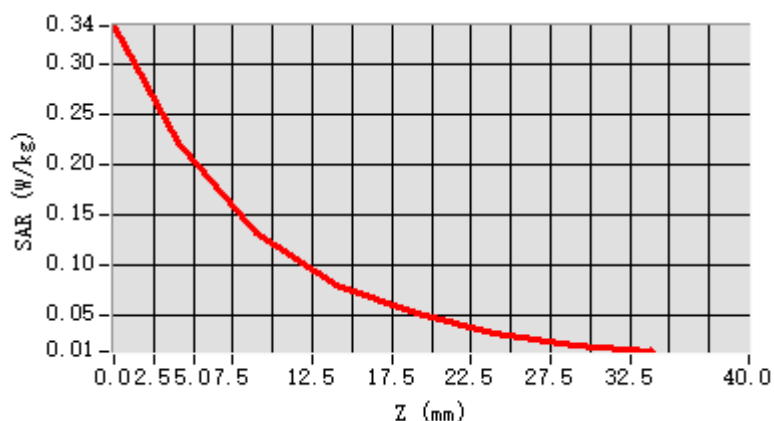
Maximum location: X=0.00, Y=39.00 ; SAR Peak: 0.34 W/kg

D. SAR 1g & 10g

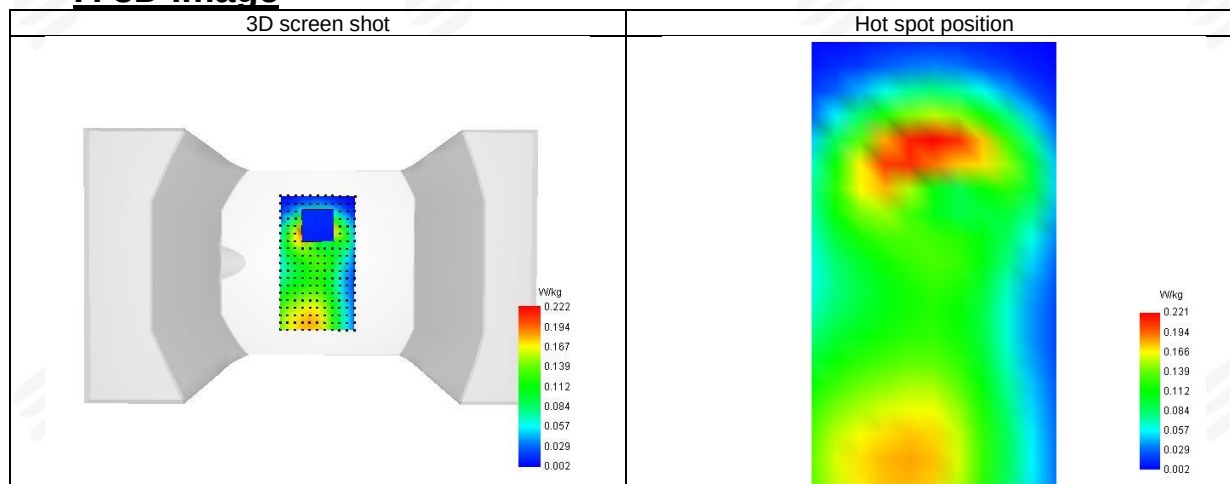
SAR 10g (W/Kg)	0.120
SAR 1g (W/Kg)	0.211
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	59.420065

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.337	0.222	0.132	0.080	0.051	0.032	0.020

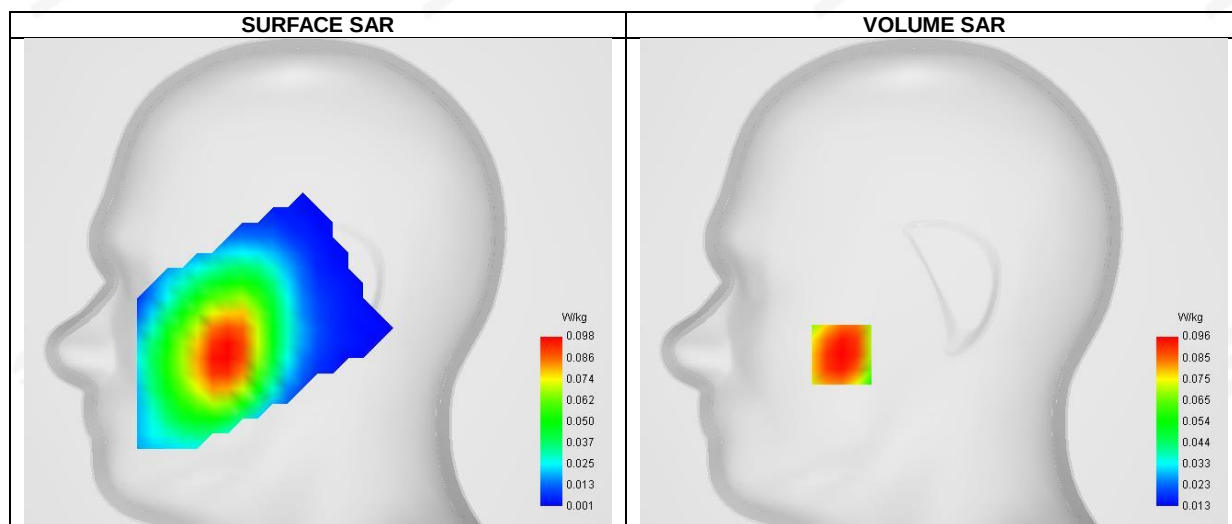


F. 3D Image



Plot 25: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-07
ConvF	1.51
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Right Cheek
Device Position	Cheek
Band	LTE Band 13 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	782
Relative permittivity (real part)	42.21
Conductivity (S/m)	0.90



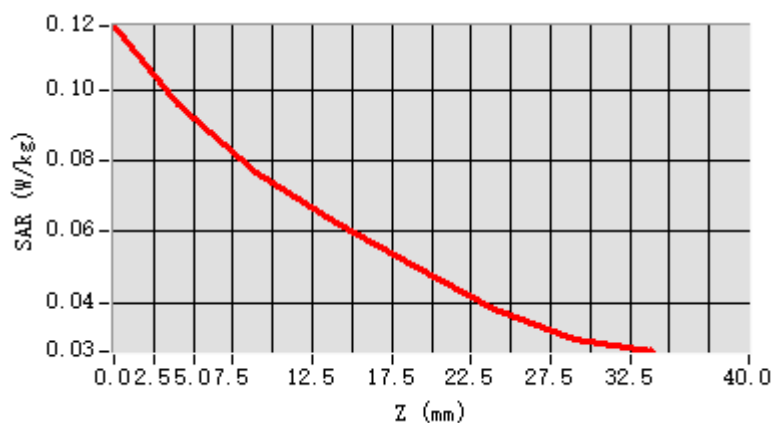
Maximum location: X=-49.00, Y=-38.00 ; SAR Peak: 0.12 W/kg

D. SAR 1g & 10g

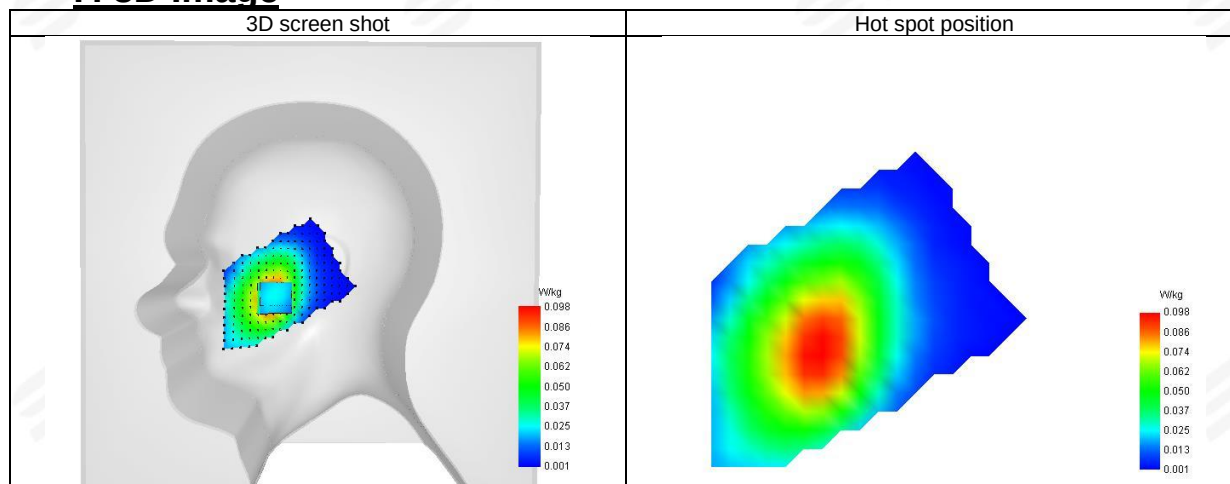
SAR 10g (W/Kg)	0.071
SAR 1g (W/Kg)	0.094
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	79.223891

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.118	0.096	0.077	0.062	0.050	0.038	0.029

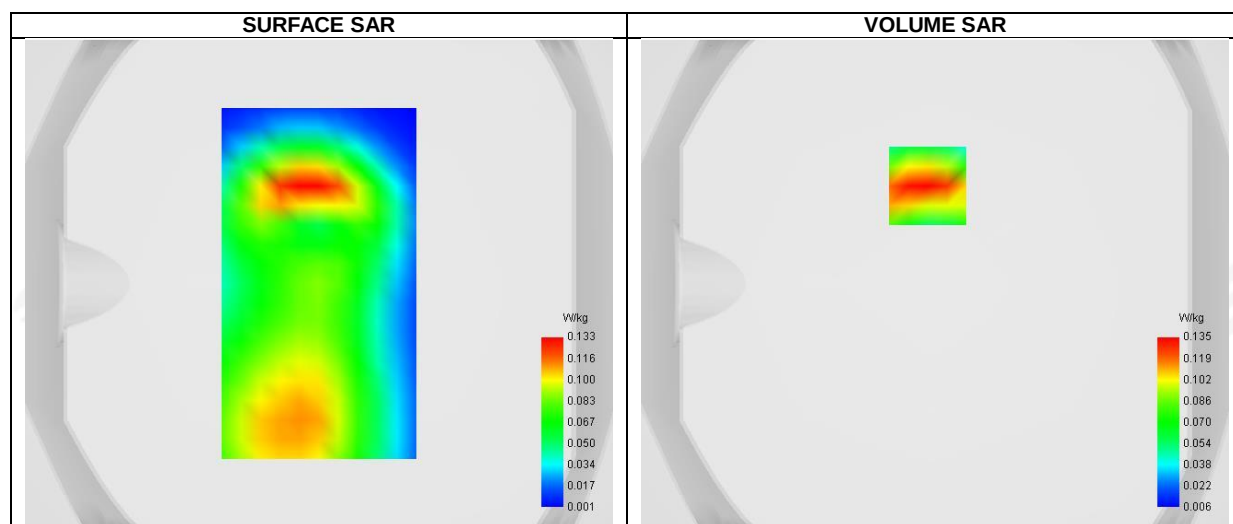


F. 3D Image



Plot 26: DUT: Smartphone; EUT Model: A15

Test Date	2026-05-07
ConvF	1.51
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 13 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	782
Relative permittivity (real part)	42.21
Conductivity (S/m)	0.90



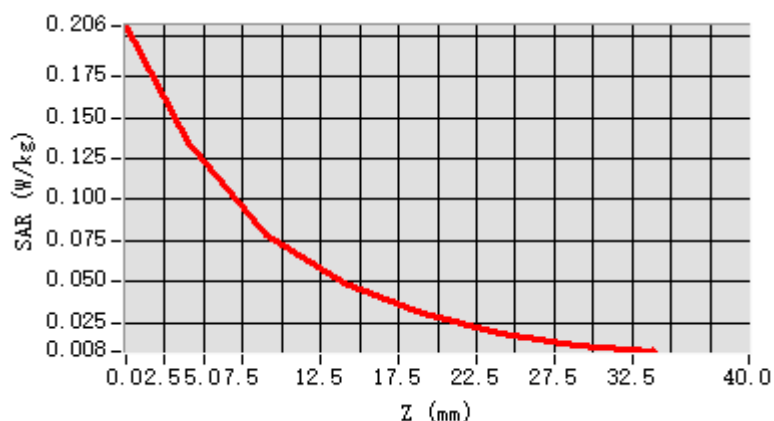
Maximum location: X=-3.00, Y=40.00 ; SAR Peak: 0.21 W/kg

D. SAR 1g & 10g

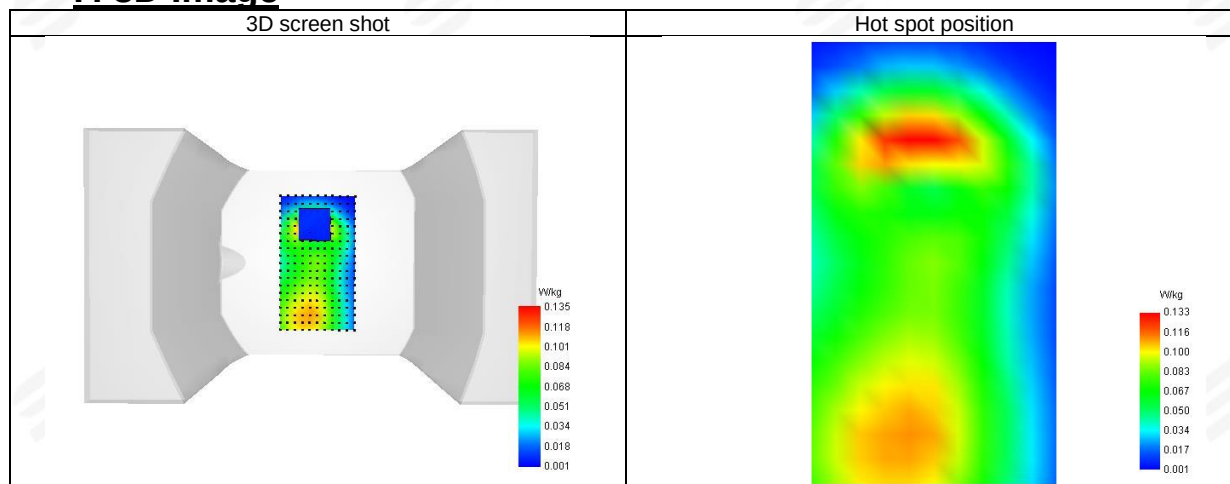
SAR 10g (W/Kg)	0.073
SAR 1g (W/Kg)	0.128
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	58.837898

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.206	0.135	0.079	0.049	0.031	0.019	0.012

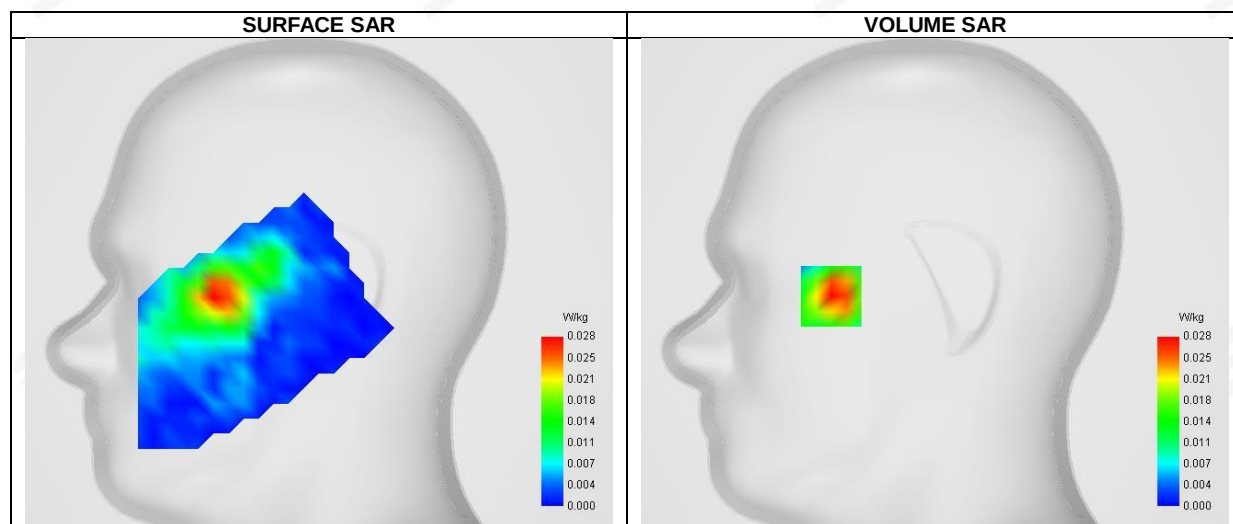


F. 3D Image



Plot 27DUT: Smartphone; EUT Model: A15

Test Date	2026-05-09
ConvF	1.70
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Right Cheek
Device Position	Cheek
Band	LTE Band 38 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2610
Relative permittivity (real part)	39.93
Conductivity (S/m)	1.97



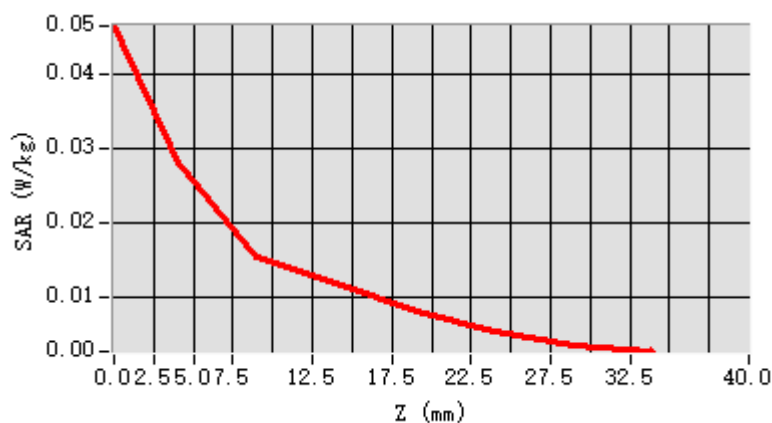
Maximum location: X=-55.00, Y=-7.00 ; SAR Peak: 0.05 W/kg

D. SAR 1g & 10g

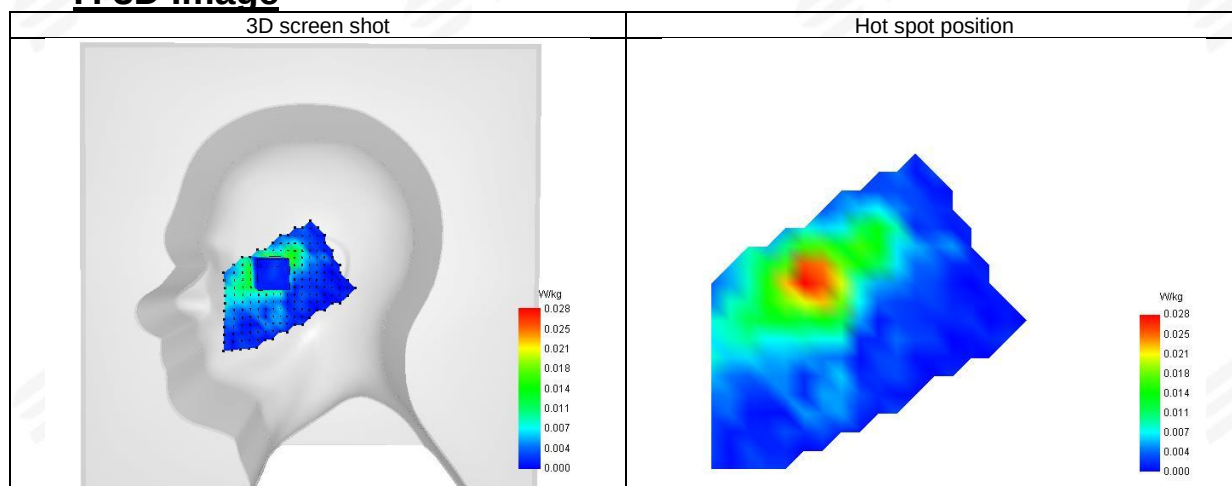
SAR 10g (W/Kg)	0.015
SAR 1g (W/Kg)	0.028
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	56.109271

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.046	0.028	0.016	0.012	0.008	0.005	0.004

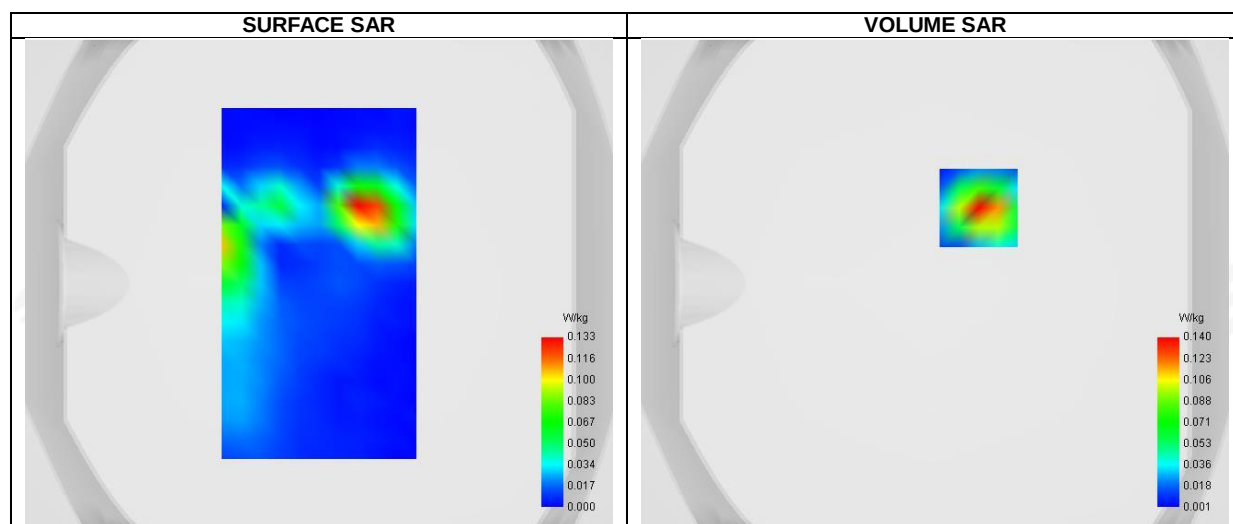


F. 3D Image



Plot 28UT: Smartphone; EUT Model: A15

Test Date	2026-05-09
ConvF	1.70
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 38 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2610
Relative permittivity (real part)	39.93
Conductivity (S/m)	1.97



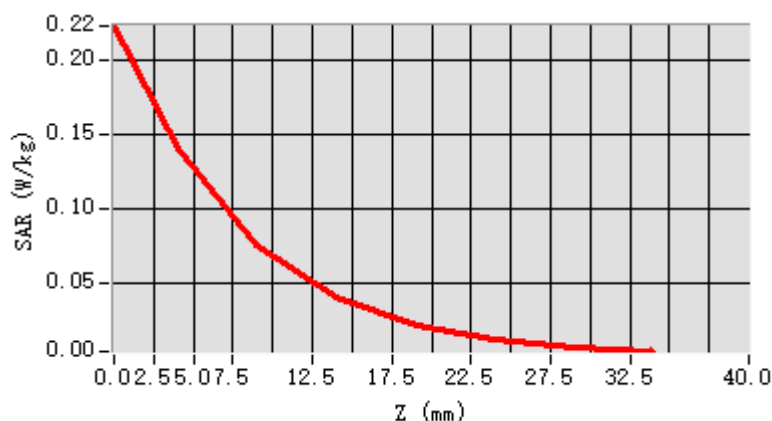
Maximum location: X=18.00, Y=31.00 ; SAR Peak: 0.23 W/kg

D. SAR 1g & 10g

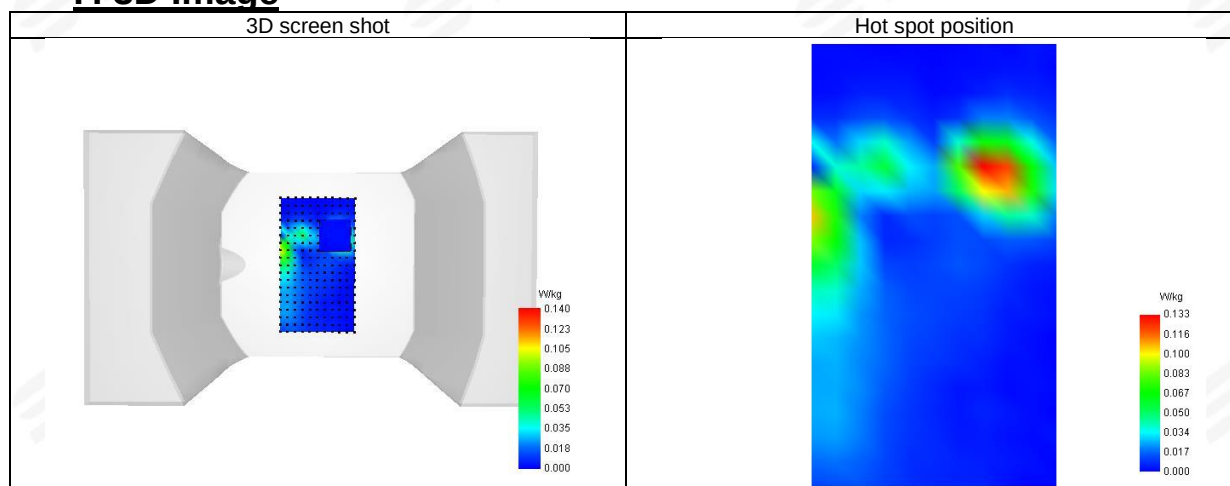
SAR 10g (W/Kg)	0.057
SAR 1g (W/Kg)	0.127
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	53.763855

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.224	0.140	0.076	0.040	0.021	0.011	0.006

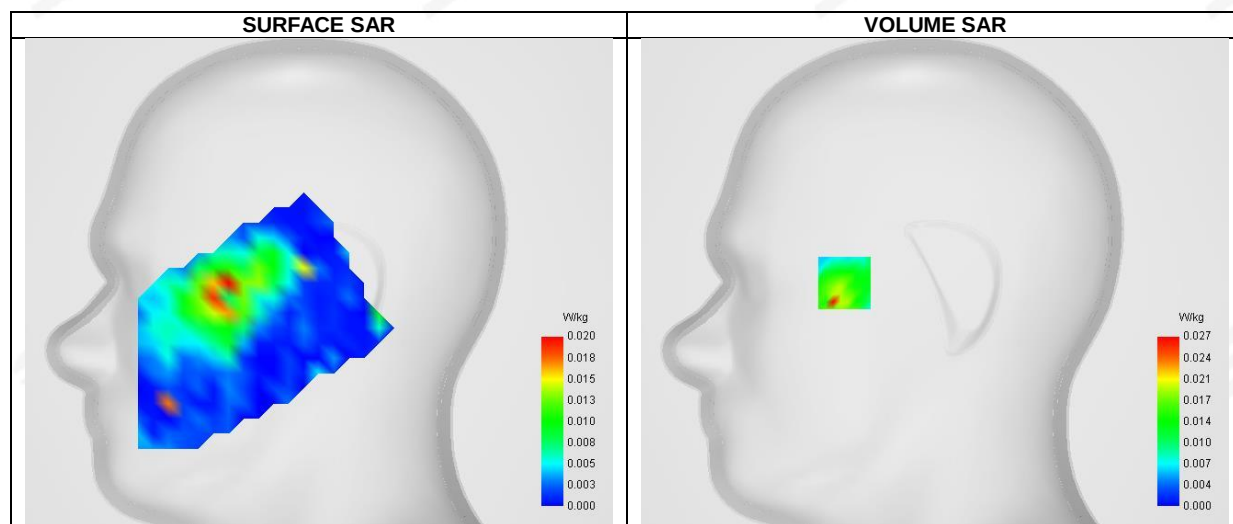


F. 3D Image



Plot 29 DUT: Smartphone; EUT Model: A15

Test Date	2026-05-09
ConvF	1.82
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Right Cheek
Device Position	Cheek
Band	LTE Band 40 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2315
Relative permittivity (real part)	39.28
Conductivity (S/m)	1.67



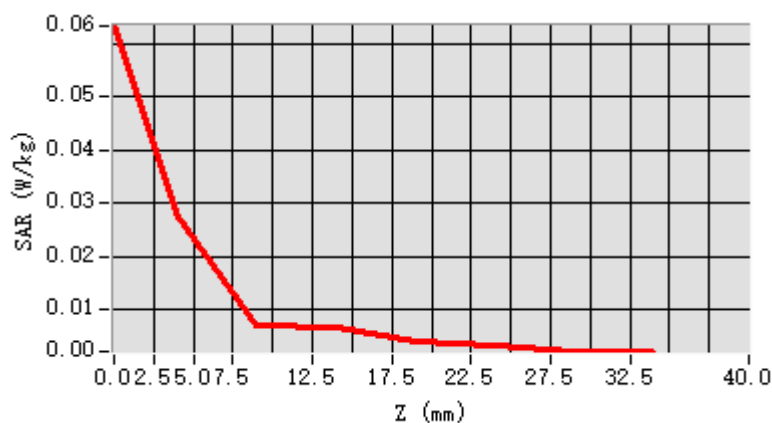
Maximum location: X=-48.00, Y=0.00 ; SAR Peak: 0.05 W/kg

D. SAR 1g & 10g

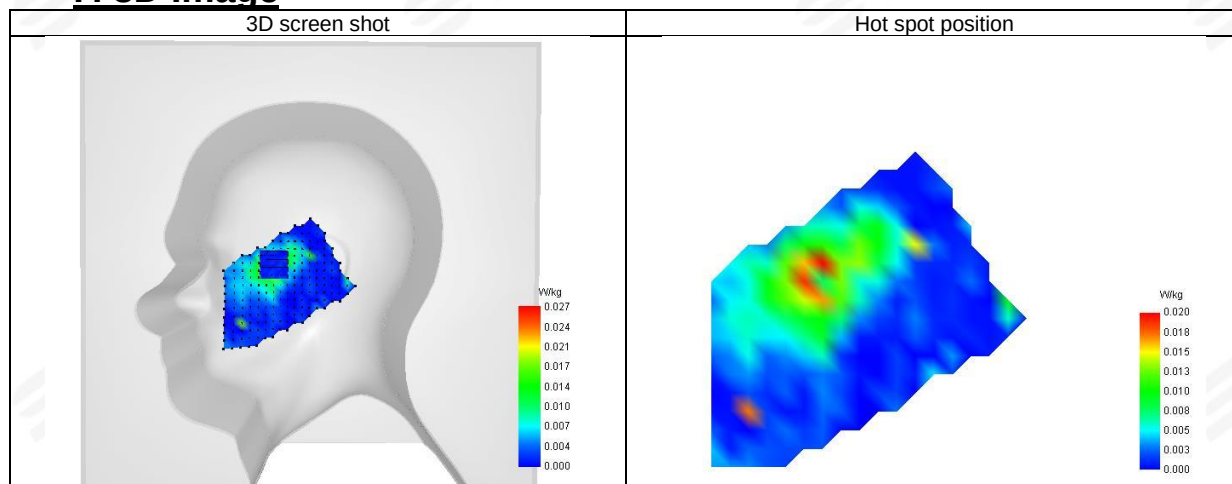
SAR 10g (W/Kg)	0.008
SAR 1g (W/Kg)	0.019
Horizontal validation criteria: minimum distance (mm)	14.422205
Vertical validation criteria: SAR ratio M2/M1 (%)	49.624184

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.063	0.027	0.007	0.007	0.004	0.003	0.002

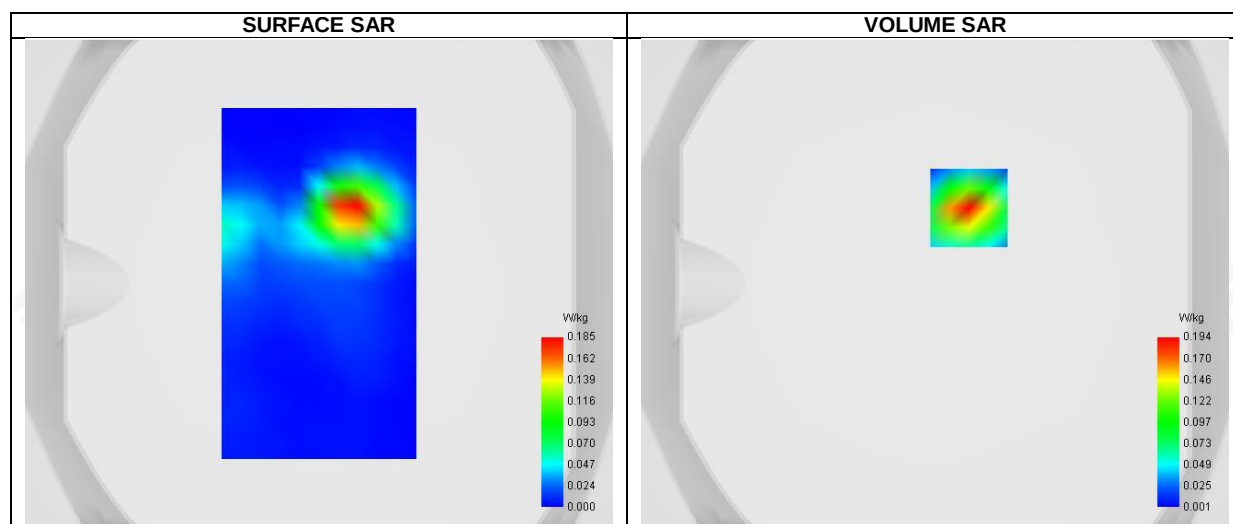


F. 3D Image



Plot 30 DUT: Smartphone; EUT Model: A15

Test Date	2026-05-09
ConvF	1.82
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 40 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2315
Relative permittivity (real part)	39.28
Conductivity (S/m)	1.67



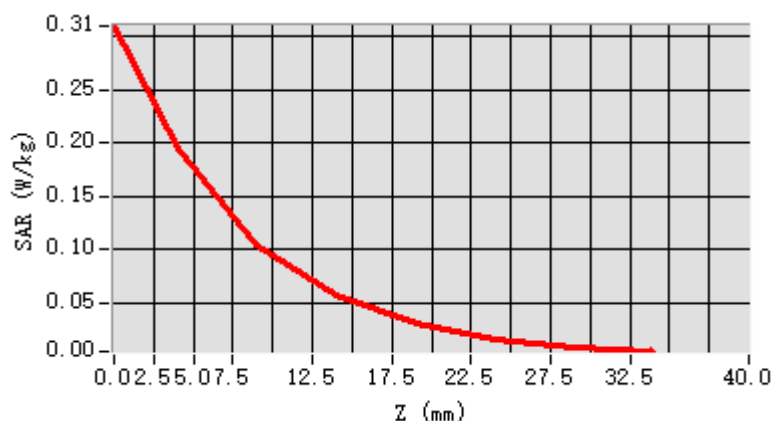
Maximum location: X=14.00, Y=31.00 ; SAR Peak: 0.31 W/kg

D. SAR 1g & 10g

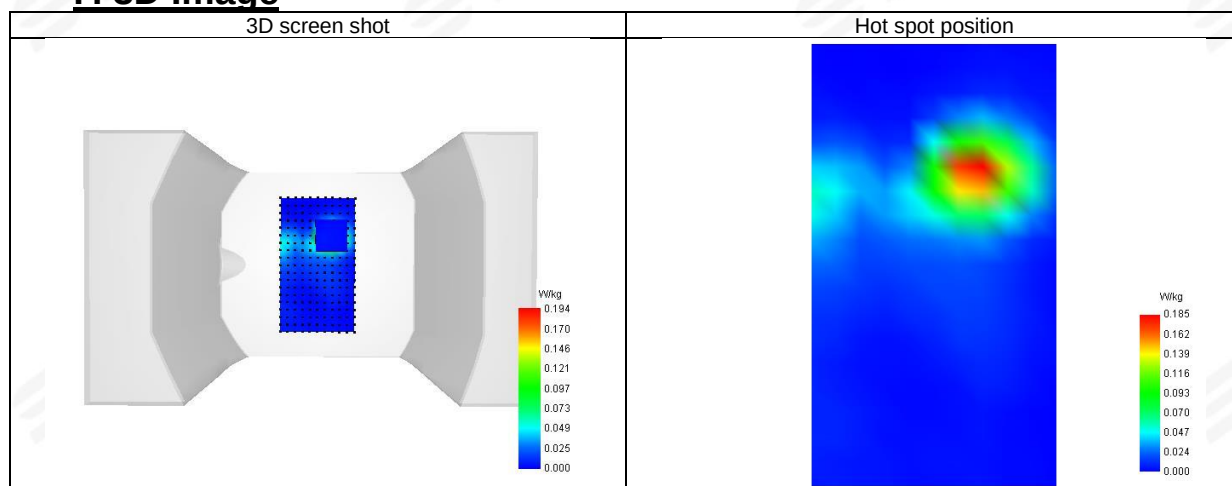
SAR 10g (W/Kg)	0.083
SAR 1g (W/Kg)	0.177
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	53.890693

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.309	0.194	0.105	0.057	0.031	0.017	0.009

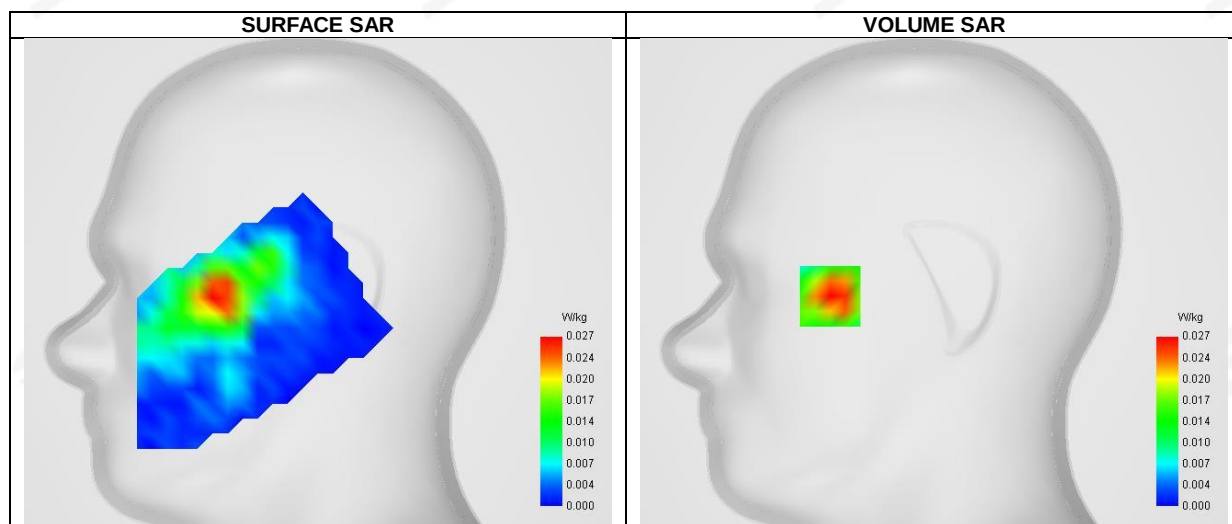


F. 3D Image



Plot 31DUT: Smartphone; EUT Model: A15

Test Date	2026-05-09
ConvF	1.70
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Right Cheek
Device Position	Cheek
Band	LTE Band 41 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2680
Relative permittivity (real part)	39.72
Conductivity (S/m)	2.04



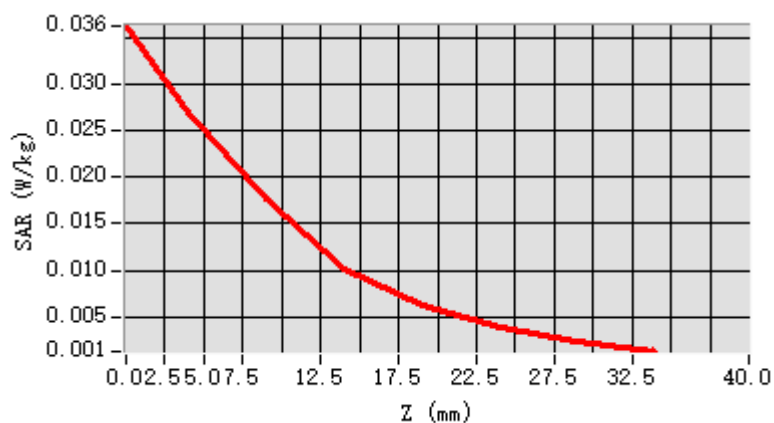
Maximum location: X=-55.00, Y=-7.00 ; SAR Peak: 0.04 W/kg

D. SAR 1g & 10g

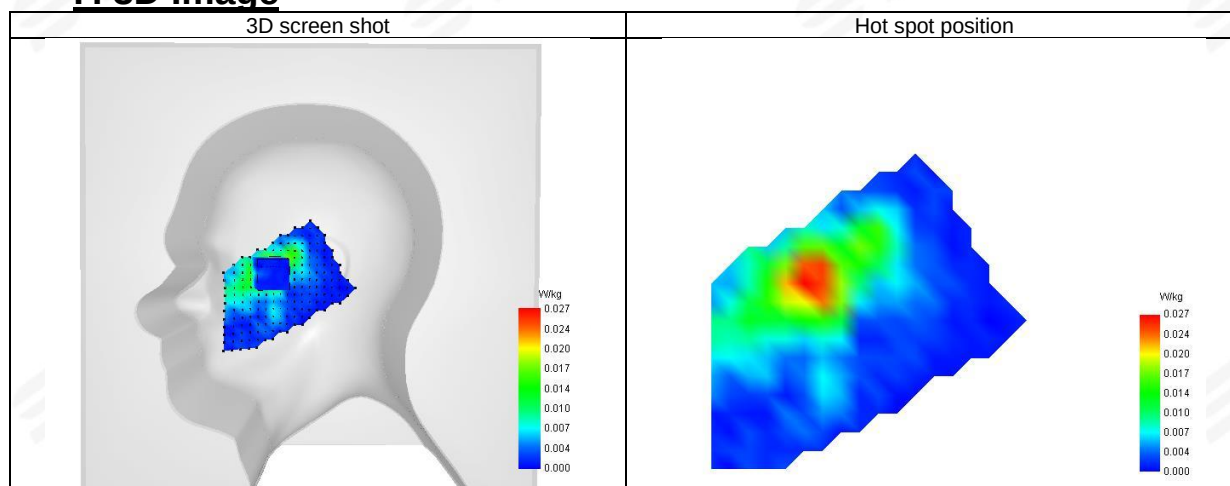
SAR 10g (W/Kg)	0.014
SAR 1g (W/Kg)	0.026
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	65.956654

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.036	0.027	0.018	0.010	0.006	0.004	0.002

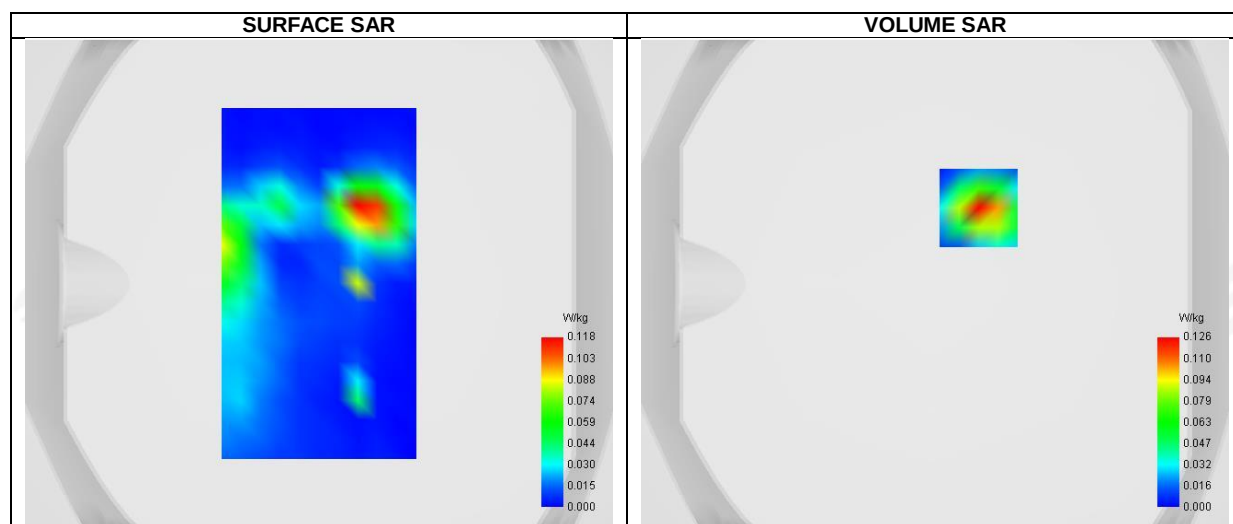


F. 3D Image



Plot 32 DUT: Smartphone; EUT Model: A15

Test Date	2026-05-09
ConvF	1.70
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 41 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2680
Relative permittivity (real part)	39.72
Conductivity (S/m)	2.04



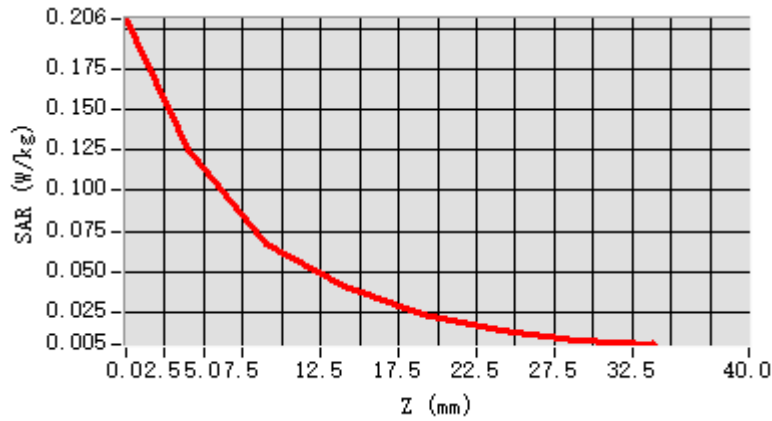
Maximum location: X=18.00, Y=31.00 ; SAR Peak: 0.21 W/kg

D. SAR 1g & 10g

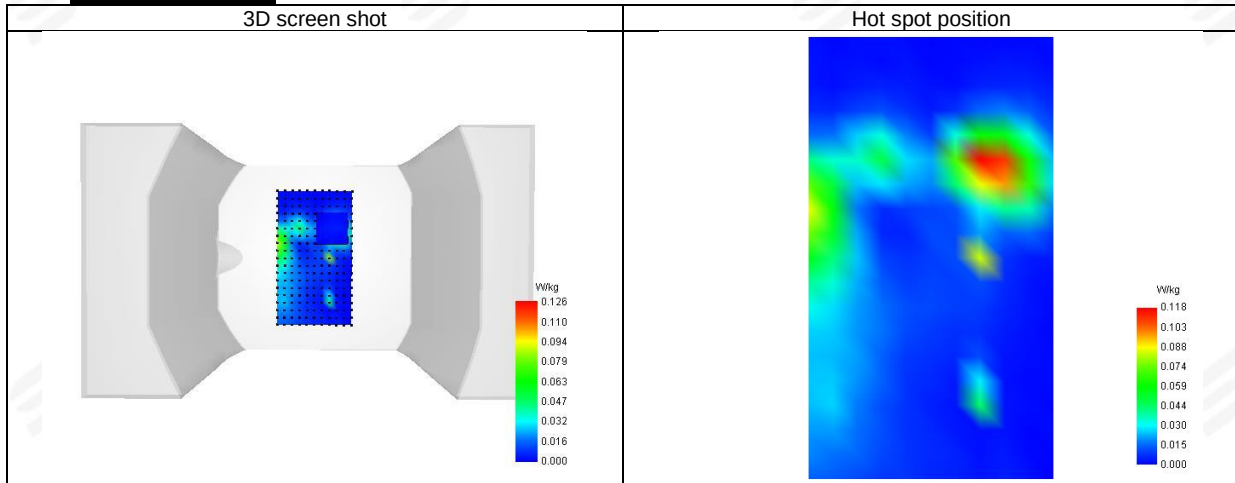
SAR 10g (W/Kg)	0.051
SAR 1g (W/Kg)	0.115
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	53.088914

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.206	0.126	0.067	0.041	0.023	0.013	0.008

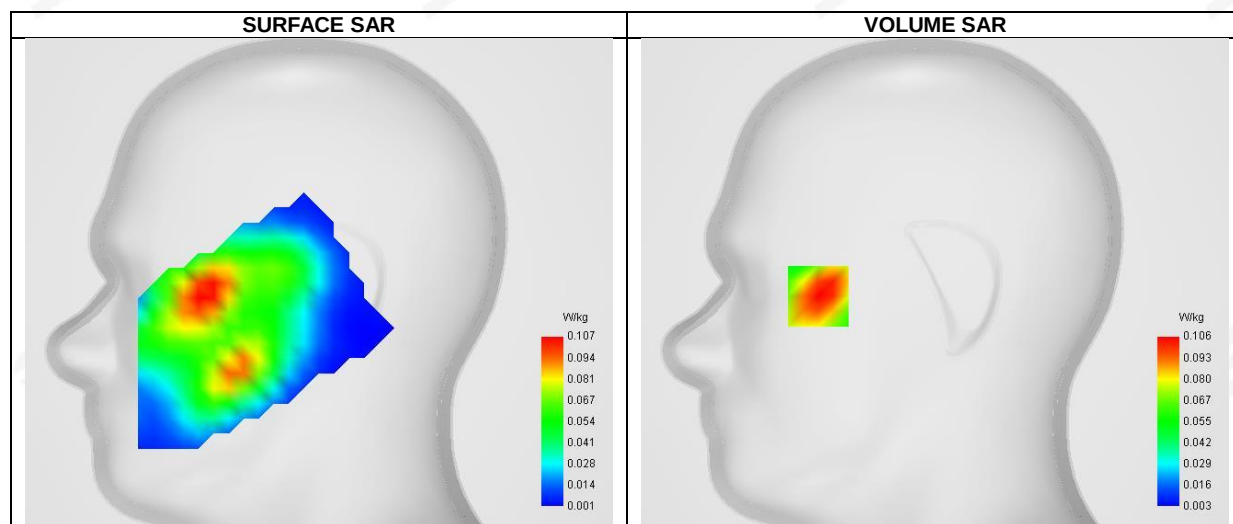


F. 3D Image



Plot 33 DUT: Smartphone; EUT Model: A15

Test Date	2026-05-08
ConvF	1.54
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Right Cheek
Device Position	Cheek
Band	LTE Band 66/4 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1770
Relative permittivity (real part)	39.62
Conductivity (S/m)	1.36



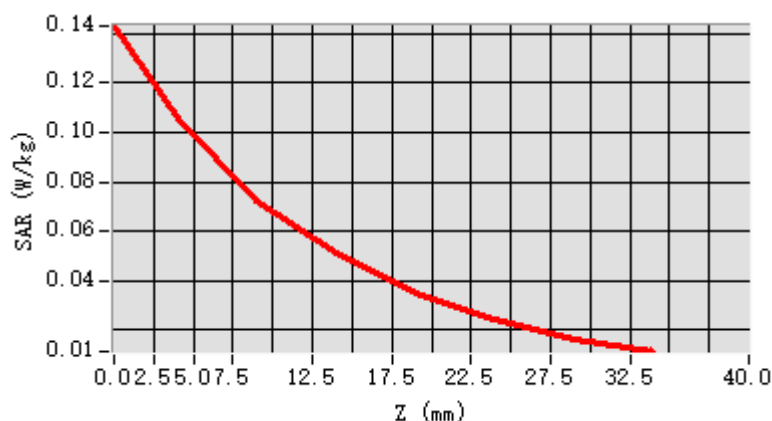
Maximum location: X=-62.00, Y=-7.00 ; SAR Peak: 0.15 W/kg

D. SAR 1g & 10g

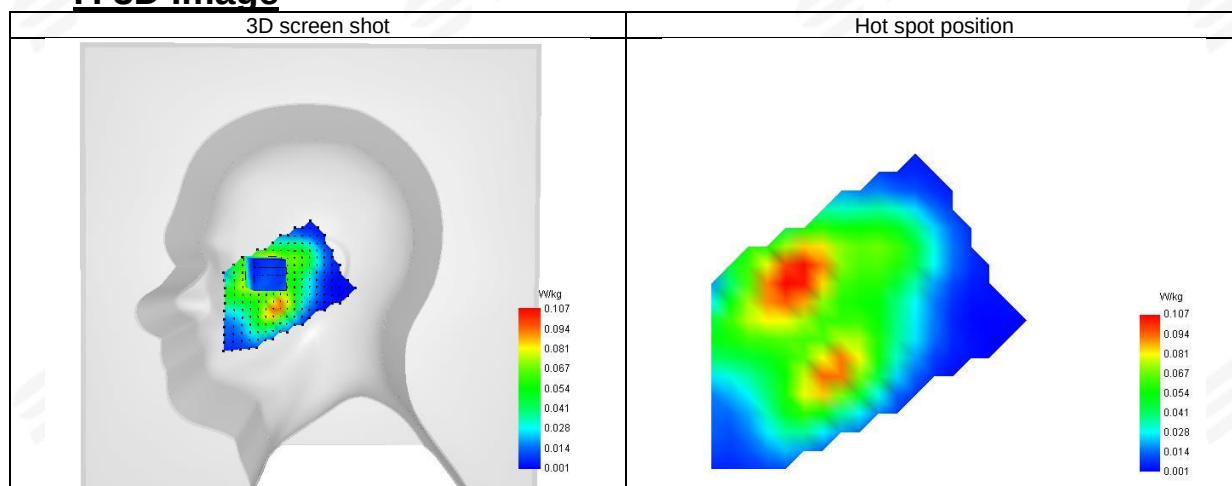
SAR 10g (W/Kg)	0.064
SAR 1g (W/Kg)	0.102
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	67.924528

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/kg)	0.143	0.106	0.072	0.051	0.035	0.024	0.017

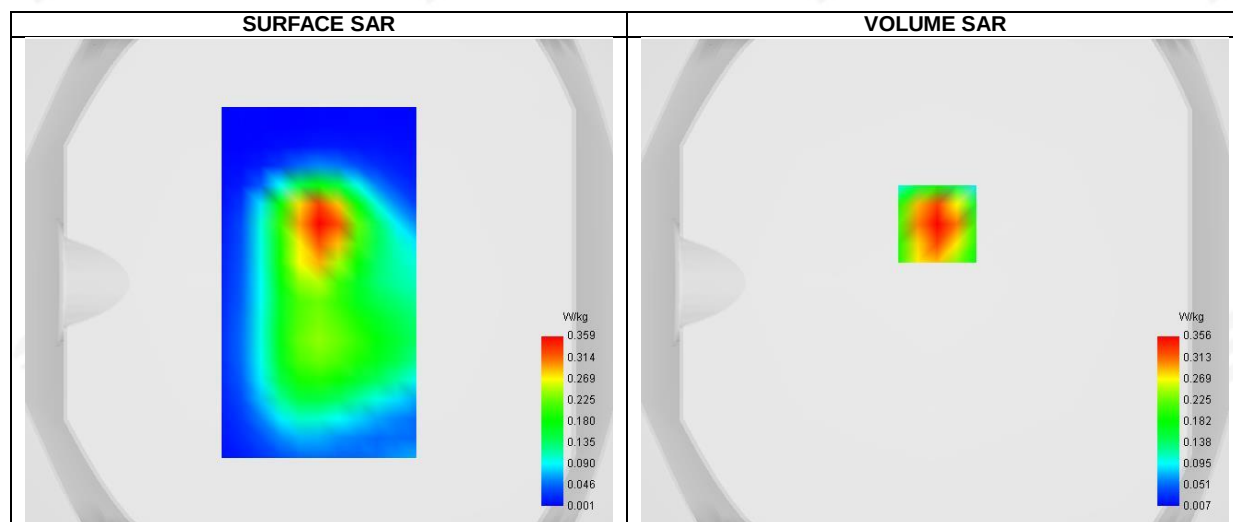


F. 3D Image



Plot 34 DUT: Smartphone; EUT Model: A15

Test Date	2026-05-08
ConvF	1.54
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 66/4 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1770
Relative permittivity (real part)	39.62
Conductivity (S/m)	1.36



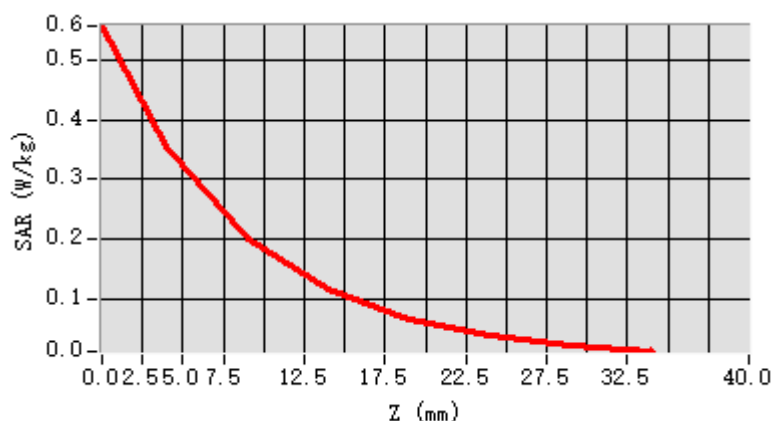
Maximum location: X=1.00, Y=24.00 ; SAR Peak: 0.56 W/kg

D. SAR 1g & 10g

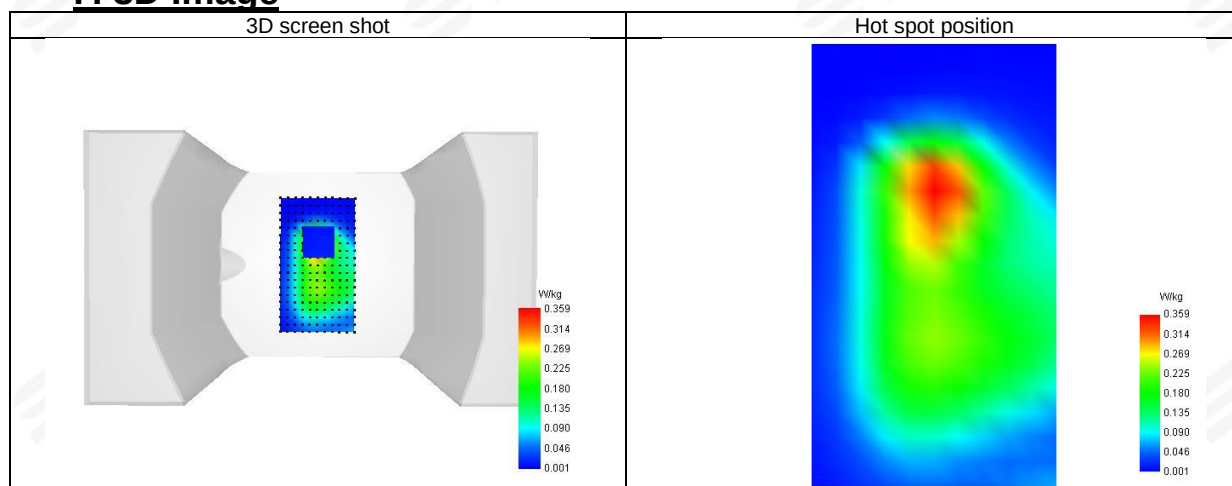
SAR 10g (W/Kg)	0.176
SAR 1g (W/Kg)	0.341
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	56.130429

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.556	0.356	0.200	0.117	0.067	0.039	0.022



F. 3D Image





Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※END OF THE REPORT※※※※