



SAR TEST REPORT

Report No.: STS2507311H01

Issued for

DOKE COMMUNICATION (HK) LIMITED

19H MAXGRAND PLAZA NO 3 TAI YAU STREET SAN PO
KONG KL

Product Name: 5G smart phone

Brand Name: Blackview

Model Name: XPLORE 2

Series Model(s): XPLORE 2 Projector, XPLORE 2 Satellite

Test Standards: EN 50360: 2017/A1:2023
EN 50566: 2017/A1:2023
EN IEC/IEEE 62209-1528:2021
EN 50663: 2017; EN 62479: 2010

Head: 0.323 W/kg

Max. SAR (10g)

Body&Limb: 0.429 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 : DOKE COMMUNICATION (HK) LIMITED
Address : 19H MAXGRAND PLAZA NO 3 TAI YAU STREET SAN PO KONG KL
Manufacturer's Name : Shenzhen DOKE Electronic Co., Ltd
Address : 801, Building3, 7th Industrial Zone, Yulv Community, Yutang Road, Guangming District, Shenzhen, China.

Product Description

Product Name : 5G smart phone
Brand Name : Blackview
Model Name : XPLORE 2
Series Model(s) : XPLORE 2 Projector, XPLORE 2 Satellite
Test Standards : EN 50360: 2017/A1:2023; EN 50566: 2017/A1:2023
EN IEC/IEEE 62209-1528:2021
EN 50663: 2017; EN 62479: 2010

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Date of Test

Date (s) of performance of tests : 24 Jul. 2025 ~ 30 Jul. 2025
Date of Issue : 19 Aug. 2025
Test Result : **Pass**

Testing Engineer :

(Xin.Liu)

Technical Manager :

(Shifan. Long)

Authorized Signatory :

(Bovey Yang)



**Table of Contents**

1. General Information	5
1.1 EUT Description	5
1.2 Test Environment	7
1.3 Test Factory	7
2. Test Standards and Limits	8
3. SAR Measurement System	9
3.1 Definition of Specific Absorption Rate (SAR)	9
3.2 SAR System	9
4. Tissue Simulating Liquids	12
4.1 Simulating Liquids Parameter Check	12
5. SAR System Validation	15
5.1 Validation System	15
5.2 Validation Result	15
6. SAR Evaluation Procedures	16
7. EUT Test Position	17
7.1 Cheek Position	17
7.2 Tilt Position	18
7.3 Body-worn Position Conditions	18
8. Measurement Uncertainty	19
9. Conducted Power Measurement	20
9.1 Tune up power	47
10. Test Photos and Results	50
10.1 EUT Photos	50
10.2 Setup Photos	53
11. SAR Result Summary	59
11.1 Head SAR	59
11.2 Body&Limb SAR	63
12. Equipment List	75
Appendix A. System Validation Plots	76
Appendix B. SAR Test Plots	94
Appendix C. Probe Calibration and Dipole Calibration Report	198



Rev.	Issue Date	Report No.	Effect Page	Contents
00	19 Aug. 2025	STS2507311H01	ALL	Initial Issue



1. General Information

1.1 EUT Description

Product Name	5G smart phone		
Brand Name	Blackview		
Model Name	XPLORE 2		
Series Model	XPLORE 2 Projector, XPLORE 2 Satellite		
Model Difference	There are differences in functionality. XPLORE 2 is the standard version; XPLORE 2 Projector is a projection version; XPLORE 2 Satellite is the satellite version		
Hardware Version	HCT-V8300MB-A2		
Software Version	XPLORE2_EEA_V8300_V1.0_A15		
Frequency Range	GSM 900: 880.2 MHz to 914.8 MHz GSM1800: 1710.2 MHz to 1784.8 MHz WCDMA Band I: 1922.4 MHz to 1977.6 MHz WCDMA Band VIII: 882.4 MHz to 912.6 MHz LTE Band 1: 1920 MHz to 1980 MHz LTE Band 3: 1710 MHz to 1785 MHz LTE Band 7: 2500MHz to 2570 MHz LTE Band 8: 870MHz to 920 MHz LTE Band 20: 832MHz to 862 MHz LTE Band 28: 703MHz to 748 MHz 5G N1: 1920 MHz to 1980 MHz 5G N3: 1710 MHz to 1785 MHz 5G N8: 870MHz to 920 MHz 5G N20: 832MHz to 862 MHz 5G N28: 703MHz to 748 MHz 5G N40: 2300 MHz to 2400 MHz 5G N78: 3300 MHz to 3800 MHz WLAN802.11b/g/n20: 2412 to 2472MHz WLAN 802.11n40: 2422 to 2462MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5150 to 5250 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5250 to 5350 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5725 to 5850 MHz Bluetooth: 2402 MHz to 2480 MHz GPS: 1575.42MHz GALILEO: 1575.42 MHz GLONASS: 1602 MHz BeiDou: 1561.098MHz FM: 87.5 MHz to 108 MHz NFC: 13.56MHz		
Max. Reported SAR(10g)	Mode	Maximum Reported SAR(W/kg)	
		Head	Body&Limb
	GSM900	0.039	0.217
	GSM1800	0.020	0.265
	WCDMA Band I	0.031	0.260
	WCDMA Band VIII	0.064	0.263
	LTE band 1	0.080	0.236
	LTE band 3	0.083	0.257
	LTE band 7	0.043	0.233
	LTE band 8	0.076	0.281
	LTE band 20	0.090	0.429
	LTE band 28	0.059	0.245
	NR SA N1	0.034	0.218
	NR SA N3	0.030	0.220
	NR SA N8	0.045	0.222



	NR SA N20	0.043	0.196	
	NR SA N28	0.055	0.193	
	NR SA N40	0.042	0.351	
	NR SA N77	0.063	0.298	
	NR SA N78	0.084	0.258	
	2.4GHz WLAN ANT 1	0.048	0.053	
	2.4GHz WLAN ANT 2	0.043	0.050	
	2.4GHz WLAN MIMO	0.051	0.056	
	5.2GHz WLAN ANT 1	0.312	0.043	
	5.2GHz WLAN ANT 2	0.323	0.155	
	5.2GHz WLAN MIMO	0.356	0.191	
	Maximum Simultaneous SAR(W/kg)	0.446	0.620	
	Limit		2.0 W/Kg	4.0 W/Kg
	Battery	Rated Voltage:7.74V Charge Limit Voltage:8.9V Capacity:10000mAh		
SIM Card	SIM 1 and SIM 2 is a chipset unit and tested as single chipset , SIM 1 is used to tested			
Modulation Mode	GSM	GMSK for GSM/GPRS; GMSK and 8PSK for EDGE		
	WCDMA	QPSK; HSDPA:QPSK/16QAM; HSUPA:BPSK		
	LTE	QPSK/16QAM		
	5G NR	DFT-s-OFDM, CP-OFDM ($\pi/2$ shift BPSK, QPSK, 16QAM, 64QAM, 256QAM)		
	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/n(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11ac(OFDM):BPSK,QPSK,16-QAM,64-QAM,256-QAM		
	Bluetooth	BT(1Mbps): GFSK BT EDR(2Mbps): $\pi/4$ -DQPSK BT EDR(3Mbps): 8DPSK		
	BLE	GFSK		
	GPS	BPSK		
	GALILEO	CBOC		
	GLONASS	FDMA		
	BeiDou	QPSK		
	FM	FM		
	NFC	ASK		
Power control level	GSM900: 5, DCS1800: 0			
Power class	GSM900: 4, GSM1800: 1, WCDMA: Class 3			
Antenna Specification:	GSM/WCDMA/LTE/NR: FPC Antenna Bluetooth: FPC Antenna WLAN: FPC Antenna GPS/GALILEO/GLONASS/BeiDou: FPC Antenna FM: Earphone Antenna NFC: Coil Antenna			
Operating Mode:	Maximum continuous output			



1.2 Test Environment

Ambient conditions in the SAR laboratory:

Items	Required
Temperature (°C)	18-25
Humidity (%RH)	30-70

1.3 Test Factory

Company Name:	Shenzhen STS Test Services Co. Ltd.
Address:	101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China
Telephone:	+86-755 3688 6288
Fax:	+86-755 3688 6277
Registration No.:	FCC test Firm Registration Number: 625569
	IC test Firm Registration Number: 12108A
	A2LA Certificate No.: 4338.01



2. Test Standards and Limits

No.	Identity	Document Title
1	EN 50360: 2017/A1:2023	Product standard to demonstrate the compliance of wireless communication devices, with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 300 MHz to 6 GHz: devices used next to the ear
2	EN 50566: 2017/A1:2023	Product standard to demonstrate the compliance of wireless communication devices with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 30 MHz to 6 GHz: hand-held and body mounted devices in close proximity to the human body
3	EN IEC/IEEE 62209-1528: 2021	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)
4	EN 50663: 2017	Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10MHz to 300GHz)
5	EN 62479: 2010	Assessment of the compliance of low-power electronic and electrical equipment with the restrictions related to human exposure to electromagnetic fields(10 MHz to 300 GHz)

This device belongs to portable device category because its radiating structure is allowed to be used within 20 centimeters of the body of the user. According to EN 50360 and 1999/519/EC the limit for General Population/Uncontrolled exposure should be applied for this device, it is 2.0 W/kg as averaged over any 10 gram of tissue.

(A). Limits for Occupational/Controlled Exposure (W/kg)

<u>Whole-Body</u>	<u>Partial-Body</u>	<u>Hands, Wrists, Feet and Ankles</u>
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0.4	8.0	20.0
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(B). Limits for General Population/Uncontrolled Exposure (W/kg)

<u>Whole-Body</u>	<u>Partial-Body</u>	<u>Hands, Wrists, Feet and Ankles</u>
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0.08	2.0	4.0
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NOTE: **Whole-Body SAR** is averaged over the entire body, **partial-body SAR** is averaged over any 10 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&LIMB LIMIT 2.0/4.0 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

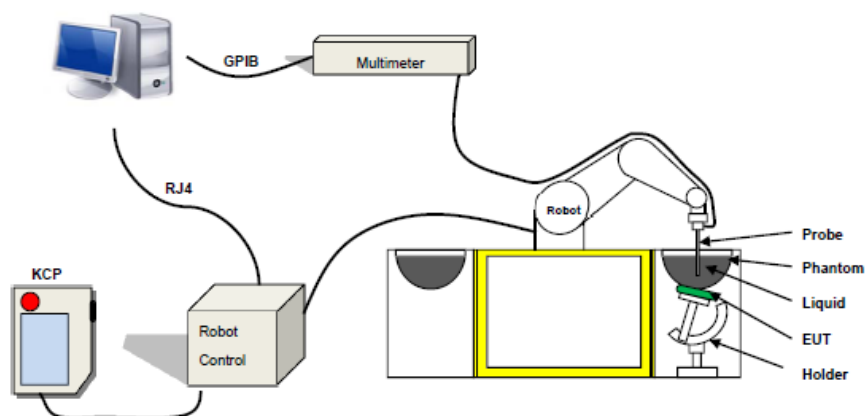
$$SAR = \frac{\sigma E^2}{\rho}$$

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 AR 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: $\pm 0.91\%$ ($\pm 0.04\text{dB}$)
- Axial Isotropy: $< 0.10\text{ dB}$
- Spherical Isotropy: $< 0.10\text{ dB}$
- 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.

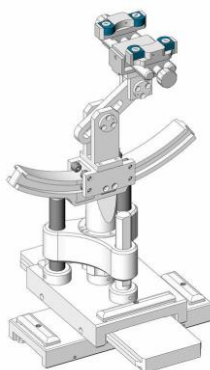


SN 32/14 SAM115



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 10 g averaging, the maximum weighting coefficient for SAR is 0,5.

EN 62209 RECOMMENDED TISSUE DIELECTRIC PARAMETERS

The head and body tissue dielectric parameters recommended by the EN 62209 have been incorporated in the following table.

Frequency	ϵ_r	σ 10g S/m
300	45.3	0.87
450	43.5	0.87
750	41.9	0.89
835	41.5	0.90
900	41.5	0.97
1450	40.5	1.20
1800 to 2000	40.0	1.40
2100	39.8	1.49
2450	39.2	1.80
2600	39.0	1.96
3000	38.5	2.40
3500	37.9	2.91
4000	37.4	3.43
4500	36.8	3.94
5000	36.2	4.45
5200	36.0	4.66
5400	35.8	4.86
5600	35.5	5.07
5800	35.3	5.27



LIQUID MEASUREMENT RESULTS

Date	Ambient		Simulating Liquid		Parameters	Target	Measured	Deviation %	Limited %
	Temp. [°C]	Humidity %	Frequency (MHz)	Temp. [°C]					
2025-07-24	23.9	46	723	23.6	Permittivity	42.04	42.44	0.94	±10
					Conductivity	0.89	0.88	-0.92	±10
2025-07-24	24.0	46	728	23.7	Permittivity	42.02	43.01	2.36	±10
					Conductivity	0.89	0.91	2.42	±10
2025-07-24	24.0	46	750	23.7	Permittivity	41.90	42.43	1.26	±10
					Conductivity	0.89	0.92	3.37	±10
2025-07-25	22.8	45	842	22.5	Permittivity	41.50	42.14	1.54	±10
					Conductivity	0.91	0.90	-0.83	±10
2025-07-25	22.9	45	847	22.6	Permittivity	41.50	42.10	1.45	±10
					Conductivity	0.91	0.97	6.25	±10
2025-07-25	23.0	46	852	22.6	Permittivity	41.50	41.93	1.04	±10
					Conductivity	0.92	0.93	1.27	±10
2025-07-25	23.1	46	880.2	22.8	Permittivity	41.50	41.86	0.87	±10
					Conductivity	0.95	0.97	2.25	±10
2025-07-25	22.9	45	882.4	22.6	Permittivity	41.50	42.07	1.37	±10
					Conductivity	0.95	0.92	-3.26	±10
2025-07-25	22.9	46	885	22.5	Permittivity	41.50	42.23	1.76	±10
					Conductivity	0.95	0.99	3.79	±10
2025-07-25	23.0	46	897.5	22.7	Permittivity	41.50	42.70	2.89	±10
					Conductivity	0.97	0.98	1.31	±10
2025-07-25	23.0	46	900	22.7	Permittivity	41.50	41.59	0.22	±10
					Conductivity	0.97	0.98	1.03	±10
2025-07-26	23.1	41	1710.2	22.8	Permittivity	40.13	40.88	1.87	±10
					Conductivity	1.35	1.40	3.80	±10
2025-07-26	23.1	41	1747.5	22.8	Permittivity	40.08	41.15	2.68	±10
					Conductivity	1.37	1.41	2.92	±10
2025-07-26	23.2	42	1800	22.9	Permittivity	40.00	40.69	1.72	±10
					Conductivity	1.40	1.38	-1.43	±10
2025-07-27	20.9	51	1900	20.6	Permittivity	40.00	40.48	1.20	±10
					Conductivity	1.40	1.39	-0.71	±10
2025-07-27	20.9	51	1930	20.6	Permittivity	40.00	40.61	1.53	±10



					Conductivity	1.40	1.46	4.29	±10
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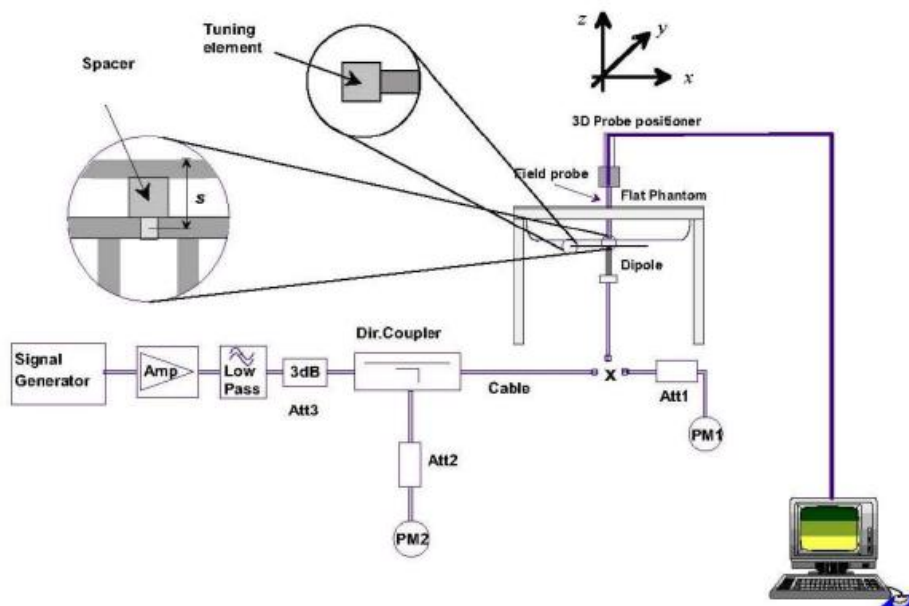
2025-07-27	20.9	52	1950	20.5	Permittivity	40.00	40.77	1.93	±10
					Conductivity	1.40	1.38	-1.43	±10
2025-07-28	23.4	54	2350	23.1	Permittivity	39.38	40.00	1.58	±10
					Conductivity	1.71	1.69	-1.23	±10
2025-07-28	23.5	54	2450	23.2	Permittivity	39.20	40.28	2.76	±10
					Conductivity	1.80	1.83	1.67	±10
2025-07-28	23.5	55	2472	23.1	Permittivity	39.16	40.18	2.60	±10
					Conductivity	1.82	1.84	1.12	±10
2025-07-29	21.2	50	2560	20.9	Permittivity	39.05	39.88	2.12	±10
					Conductivity	1.92	1.91	-0.38	±10
2025-07-29	21.3	50	2600	21.0	Permittivity	39.00	39.46	1.18	±10
					Conductivity	1.96	1.95	-0.51	±10
2025-07-30	21.5	59	3500	21.2	Permittivity	37.90	38.19	0.77	±10
					Conductivity	2.91	3.00	3.09	±10
2025-07-30	21.5	59	3600	21.1	Permittivity	37.78	38.64	2.28	±10
					Conductivity	3.01	3.02	0.27	±10
2025-07-30	21.5	59	3700	21.2	Permittivity	37.66	38.00	0.90	±10
					Conductivity	3.11	3.07	-1.41	±10
2025-07-30	21.5	59	3750	21.2	Permittivity	37.60	38.39	2.10	±10
					Conductivity	3.17	3.20	1.11	±10
2025-07-30	21.5	59	5180	21.0	Permittivity	36.02	36.81	2.19	±10
					Conductivity	4.64	4.63	-0.19	±10
2025-07-30	21.5	59	5200	20.9	Permittivity	36.00	36.77	2.14	±10
					Conductivity	4.66	4.57	-1.93	±10

5. SAR System Validation

5.1 Validation System

Each MVG system is equipped with one or more system validation kits. These units, together with the predefined measurement procedures within the MVG software, enable the user to conduct the system performance check and system validation. System kit includes a dipole, and dipole device holder.

The system check verifies that the system operates within its specifications. It's performed daily or before every SAR measurement. The system check uses normal SAR measurement in the flat section of the phantom with a matched dipole at a specified distance. The system validation setup is shown as below.



5.2 Validation Result

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

Date	Frequency (MHz)	Power	SAR _{1g} (W/Kg)	SAR _{10g} (W/Kg)	Drift (%)	1W Target		Difference percentage		Limited %
						SAR _{1g} (W/Kg)	SAR _{10g} (W/Kg)	1g	10g	
2025-07-24	750	100 mW	0.900	0.534	-0.10	8.49	5.53	5.96%	-3.45%	10
		Normalize to 1 Watt	8.996	5.339						
2025-07-25	900	100 mW	1.006	0.734	0.96	10.90	6.99	-7.72%	5.05%	10
		Normalize to 1 Watt	10.059	7.343						
2025-07-26	1800	100 mW	3.809	2.188	0.02	38.40	20.10	-0.80%	8.85%	10
		Normalize to 1 Watt	38.092	21.878						
2025-07-27	1900	100 mW	4.114	2.001	-1.85	39.84	20.20	3.26%	-0.94%	10
		Normalize to 1 Watt	41.137	20.010						
2025-07-28	2450	100 mW	5.121	2.384	-0.30	54.70	24.11	-6.38%	-1.14%	10
		Normalize to 1 Watt	51.212	23.835						
2025-07-29	2600	100 mW	5.275	2.565	-2.80	56.19	24.08	-6.12%	6.51%	10
		Normalize to 1 Watt	52.753	25.648						
2025-07-30	3500	100 mW	6.614	2.373	-0.23	68.37	25.50	-3.27%	-6.95%	10
		Normalize to 1 Watt	66.137	23.729						
2025-07-30	3700	100 mW	6.850	2.691	2.14	69.50	25.11	-1.44%	7.16%	10
		Normalize to 1 Watt	68.497	26.909						
2025-07-30	5200	10 mW	1.704	0.587	0.72	163.88	57.29	4.00%	2.44%	10
		Normalize to 1 Watt	170.443	58.686						



6. SAR Evaluation Procedures

The procedure for assessing the average SAR value consists of the following steps:

- 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:

For handsets operating above 300 MHz evaluated with the homogeneous head model, the SAR distribution is measured on a two-dimensional coarse grid at a fixed separation distance of less than 8 mm from the surface of the phantom shell. The scan region should cover all areas that are exposed and encompassed by the projection of the handset. In order to maintain a fixed distance of less than 8 mm from the surface to within ± 1 mm, as required by the measurement protocol, the exact shape and dimensions of the phantom inner surface shall be known, pre-calibrated, or preferably detected during the SAR measurement with a mechanical or optical surface-detection mechanism that meets the probe positioning requirements. This evaluation technique determines the maximum spacing between the grid points, i.e., it has been found that a 20 mm $\times$ 20 mm grid is usually sufficient to achieve the required precision if two staggered one-dimensional cubic splines [55] are used to locate the maximum SAR location;.

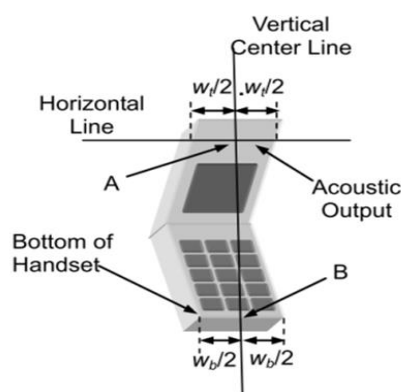
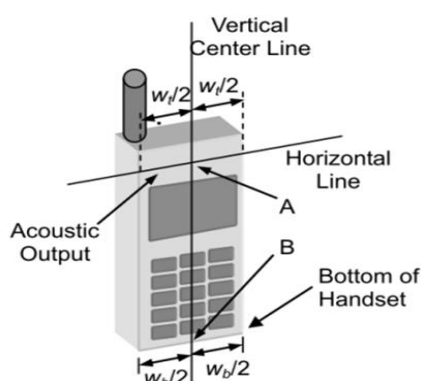
The maximum local SAR is evaluated on an interpolated grid at 1 mm to 2 mm resolution during the zoom scan. A zoom-scan volume of 32 mm x 32 mm x 30 mm, consisting of 5 x 5 x 7 points with the center at the peak SAR location determined during the area scan, can be chosen. Although a scan resolution of 8 mm is sufficient for directions parallel to the surface, 5 mm is needed in the direction normal to the surface of the phantom to achieve the required extrapolation accuracy.

7. EUT Test Position

This EUT was tested in Right Cheek, Right Titled, Left Cheek, Left Titled, Front Face and Rear Face.

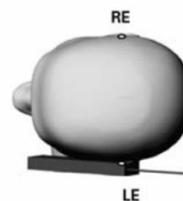
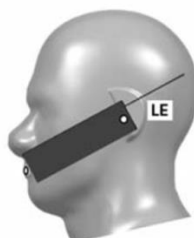
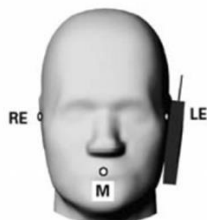
Define Two Imaginary Lines On The Handset:

- 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.



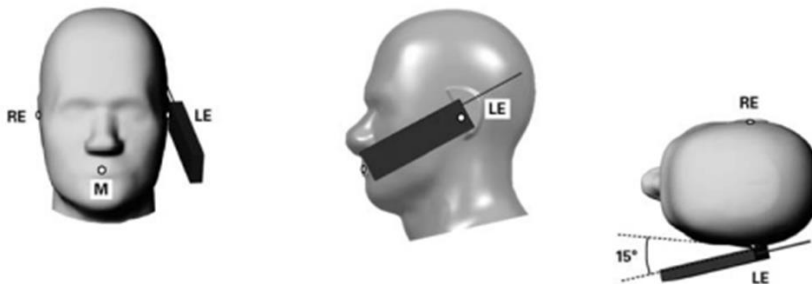
7.1 Cheek Position

- 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



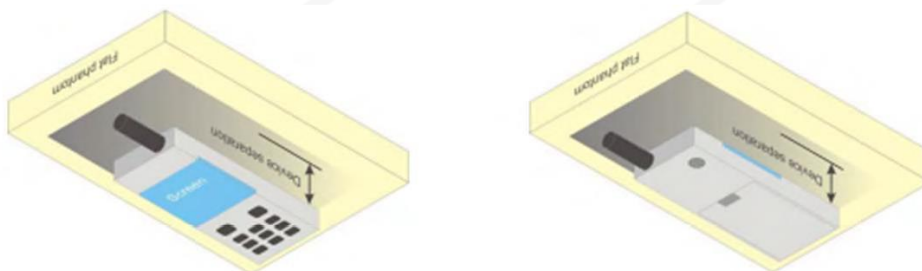
7.2 Tilt Position

- (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.



7.3 Body-worn Position Conditions

- 1) To position the EUT parallel to the phantom surface.
- 2) To adjust the EUT parallel to the flat phantom.
- 3) To adjust the distance between the EUT surface and the flat phantom to 5mm.





8. Measurement Uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Symbol	Uncertainty Component	Prob. Dist.	Unc. $a(x_i)$	Div. q_i	$u(x_i) = a(x_i)/q_i$	C_i	$u(y) = C_i * u(x_i)$	v_i
Measurement system errors								
CF	Probe calibration	N ($k = 2$)	7	2	3.50	1	3.50	∞
CF _{drift}	Probe calibration drift	R	2.31	$\sqrt{3}$	1.33	1	1.33	∞
LIN	Probe linearity and detection limit	R	2.71	$\sqrt{3}$	1.56	1	1.56	∞
BBS	Broadband signal	R	0	$\sqrt{3}$	0.00	1	0.00	∞
ISO	Probe isotropy	R	3.41	$\sqrt{3}$	1.97	1	1.97	∞
DAE	Other probe and data acquisition errors	N	0.81	1	0.81	1	0.81	∞
AMB	RF ambient and noise	N	1.73	1	1.73	1	1.73	∞
Δ_{xyz}	Probe positioning errors	N	1.89	1	1.89	$2/\delta$	1.89	
DAT	Data processing errors	N	1.33	1	1.33	1	1.33	∞
Phantom and device (DUT or validation antenna) errors								
LIQ(σ)	Measurement of phantom conductivity(σ)	N	5.06	1	5.06	$c\epsilon, c\sigma$	5.06	∞
LIQ(T_c)	Temperature effects (medium)	R	1.44	$\sqrt{3}$	0.83	$c\epsilon, c\sigma$	0.83	∞
EPS	Shell permittivity	R	1.67	$\sqrt{3}$	0.96	see 8.4.2.3	0.24	∞
DIS	Distance between the radiating element of the DUT and the phantom medium	N	2.7	1	2.7	2	5.40	∞
D _{xyz}	Repeatability of positioning the DUT or source against the phantom	N	2.6	1	2.6	1	2.60	5
H	Device holder effects	N	3	1	3	1	3.00	
MOD	Effect of operating mode on probe sensitivity	R	4.73	$\sqrt{3}$	2.73	1	2.73	∞
TAS	Time-average SAR	R	1.8	$\sqrt{3}$	1.04	1	1.04	∞
RF _{drift}	Variation in SAR due to drift in output of DUT	N	5.77	1	5.77	1	5.77	
VAL	Validation antenna uncertainty (validation measurement only)	N	2	1	2	1	2.00	
P _{in}	Uncertainty in accepted power (validation measurement only)	N	1.73	1	1.73	1	1.73	
Corrections to the SAR result (if applied)								
$C(\epsilon', \sigma)$	Phantom deviation from target (ϵ', σ)	N	1.9	1	1.9	1	1.90	
C(R)	SAR scaling	R	2.89	$\sqrt{3}$	1.67	1	1.67	
$u(\Delta SAR)$	Combined uncertainty						12.48	
U	Expanded uncertainty and effective degrees of freedom					U =	24.97	



9. Conducted Power Measurement

Test Result:

Burst Average Power (dBm)						
Band	GSM 900			DCS 1800		
Channel	975	37	124	512	700	885
Frequency (MHz)	880.2	897.4	914.8	1710.2	1747.8	1784.8
GSM(GMSK, 1-Slot)	32.50	32.33	32.54	30.41	30.05	30.02
GPRS (GMSK, 1-Slot)	32.54	32.33	32.54	30.55	30.20	30.16
GPRS (GMSK, 2-Slot)	31.86	31.64	31.83	29.86	29.48	29.43
GPRS (GMSK, 3-Slot)	30.15	29.89	30.09	28.07	27.76	27.74
GPRS (GMSK, 4-Slot)	29.06	28.85	29.04	26.90	26.68	26.69
EGPRS(8PSK, 1-Slot)	26.29	26.99	26.30	25.24	26.69	27.13
EGPRS(8PSK, 2-Slot)	25.37	25.77	25.41	24.79	25.26	26.29
EGPRS(8PSK, 3-Slot)	23.73	23.59	23.70	22.71	23.64	23.72
EGPRS(8PSK, 4-Slot)	22.76	22.96	22.83	21.54	22.61	22.86

Frame- RF Output Power (dBm)						
Band	GSM 900			DCS 1800		
Channel	975	37	124	512	700	885
Frequency (MHz)	880.2	897.4	914.8	1710.2	1747.8	1784.8
GSM(GMSK, 1-Slot)	23.47	23.30	23.51	21.38	21.02	20.99
GPRS (GMSK, 1-Slot)	23.51	23.30	23.51	21.52	21.17	21.13
GPRS (GMSK, 2-Slot)	25.84	25.62	25.81	23.84	23.46	23.41
GPRS (GMSK, 3-Slot)	25.89	25.63	25.83	23.81	23.50	23.48
GPRS (GMSK, 4-Slot)	26.05	25.84	26.03	23.89	23.67	23.68
EGPRS(8PSK, 1-Slot)	17.26	17.96	17.27	16.21	17.66	18.10
EGPRS(8PSK, 2-Slot)	19.35	19.75	19.39	18.77	19.24	20.27
EGPRS(8PSK, 3-Slot)	19.47	19.33	19.44	18.45	19.38	19.46
EGPRS(8PSK, 4-Slot)	19.75	19.95	19.82	18.53	19.60	19.85

Note:

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

SAR testing was performed on the maximum frame-averaged power mode.

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

As the SAR body tests for WCDMA, we established the radio link through call processing. The maximum output power were verified on high, middle and low channels for each test band according to 3GPP TS 34.121 with the following configuration: a 12.2kbps RMC, 64,144,384 kbps RMC with TPC set to all "all '1's"b Test loop Mode 1

The following procedures had been used to prepare the EUT for the SAR test.

Band	WCDMA Band I (dBm)			WCDMA Band VIII (dBm)		
Channel	9612	9750	9888	2712	2787	2863
Frequency (MHz)	1922.4	1950	1977.6	882.4	897.4	912.6
RMC 12.2Kbps	23.52	23.61	23.47	22.95	22.87	22.81
HSDPA Subtest-1	22.58	22.62	22.48	22.01	21.91	21.87
HSDPA Subtest-2	22.15	22.29	21.99	21.51	21.50	21.45
HSDPA Subtest-3	21.11	21.06	20.90	20.40	20.40	20.44
HSDPA Subtest-4	21.20	21.26	21.11	20.53	20.25	20.25
HSUPA Subtest-1	22.39	22.49	22.37	20.31	21.69	21.67
HSUPA Subtest-2	22.49	22.55	22.33	21.96	21.76	21.57
HSUPA Subtest-3	21.33	21.35	21.03	20.22	20.80	20.80
HSUPA Subtest-4	22.59	22.66	22.53	21.98	21.87	21.82
HSUPA Subtest-5	21.89	21.99	21.90	20.49	21.23	21.22



WLAN (2.4G band)

- The client supplied a special driver to program the EUT, allowing it to continually transmit the specified maximum power and change the channel frequency.
- Maximum conducted power was measured by replacing the antenna with an adapter for conductive measurement.
- The conducted power was measured at the high, middle and low channel frequency before and after the SAR measurement.
- During SAR test, the highest output channel per band measured first, and then if necessary, the other channels were measured according to the normal procedures.

Output power (dBm):

2.4G WIFI

2.4GWIFI					
Mode	Channel Number	Frequency (MHz)	ANT 1_Output Power (dBm)	ANT 2_Output Power (dBm)	ANT 1+2_Output Power (mW)
802.11b	1	2412	12.22	10.05	N/A
	7	2442	12.33	10.02	N/A
	13	2472	12.57	10.28	N/A
802.11g	1	2412	12.85	10.81	N/A
	7	2442	13.17	10.83	N/A
	13	2472	13.51	11.19	N/A
802.11 n-HT20	1	2412	10.51	8.43	13.69
	7	2442	10.83	8.51	13.81
	13	2472	11.35	8.94	14.33

5.2G WIFI

5.2G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1_Output Power (dBm)	ANT 2_Output Power (dBm)	ANT 1+2_Output Power (mW)
802.11a	36	5180	12.31	11.06	N/A
	48	5240	12.07	10.89	N/A
802.11n(HT20)	36	5180	8.50	10.59	13.44
	48	5240	8.32	10.27	13.29
802.11ac(VHT40)	38	5190	8.29	10.52	13.43
	46	5230	8.18	10.19	13.23
802.11ax(HE80)	42	5210	8.20	10.35	13.38



5.8G WIFI

5.8G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1_Output Power (dBm)	ANT 2_Output Power (dBm)	ANT 1+2_Output Power (mW)
802.11a	149	5745	9.12	9.71	N/A
	157	5785	9.76	9.54	N/A
	165	5825	9.94	10.01	N/A
802.11n(HT20)	149	5745	N/A	N/A	10.71
	157	5785	N/A	N/A	11.05
	165	5825	N/A	N/A	11.27
802.11ac(VHT40)	151	5755	N/A	N/A	10.39
	159	5795	N/A	N/A	10.58
802.11ax(HE80)	155	5775	N/A	N/A	10.25



Bluetooth

BT		
Mode	Output Power (dBm)	Output Power (mW)
GFSK(1Mbps)	3.95	2.48
QPSK(2Mbps)	3.09	2.04
8DPSK(3Mbps)	0.84	1.21

BLE

BLE		
Mode	Output Power (dBm)	Output Power (mW)
GFSK(1Mbps)	1.09	1.29
GFSK(2Mbps)	1.26	1.34

NFC

NFC		
Mode	Output Power (dBm)	Output Power (mW)
ASK	-41.29	0.00

Note: According to EN50663 and EN 62479, The available antenna power of this EUT BT is 3.95dBm (2.48mW), NFC is -41.29dBm (0.00mW), the power is less than the low-power exclusion level defined (Pmax:20 mW), So BT and NFC SAR is not required.



LTE output list

LTE Band	Channel Number	Bandwidth (MHz) and modulation	RB Set	Limit low (dBm)	Limit high (dBm)	Result (dBm)	verdict
1	18025	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.90	Passed
	18025	BW:5.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.95	Passed
	18025	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.92	Passed
	18025	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.98	Passed
	18300	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.98	Passed
	18300	BW:5.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	24.03	Passed
	18300	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	24.01	Passed
	18300	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	24.02	Passed
	18575	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	24.01	Passed
	18575	BW:5.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	24.03	Passed
	18575	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.94	Passed
	18575	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.92	Passed
	18100	BW:20.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.93	Passed
	18100	BW:20.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.99	Passed
	18100	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.96	Passed
	18100	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	24.01	Passed
	18300	BW:20.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	24.08	Passed
	18300	BW:20.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	24.11	Passed
	18300	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.99	Passed
	18300	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.96	Passed
	18500	BW:20.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.95	Passed
	18500	BW:20.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.82	Passed
	18500	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.95	Passed
	18500	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.90	Passed



LTE Band	Channel Number	Bandwidth (MHz) and modulation	RB Set	Limit low (dBm)	Limit high (dBm)	Result (dBm)	verdict
3	19207	BW:1.4;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.23	Passed
	19207	BW:1.4;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.21	Passed
	19207	BW:1.4;QPSK	5(RB-Pos:LOW)	20.3	25.7	23.21	Passed
	19207	BW:1.4;QPSK	5(RB-Pos:LOW)	20.3	25.7	23.21	Passed
	19575	BW:1.4;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.41	Passed
	19575	BW:1.4;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.39	Passed
	19575	BW:1.4;QPSK	5(RB-Pos:LOW)	20.3	25.7	23.35	Passed
	19575	BW:1.4;QPSK	5(RB-Pos:LOW)	20.3	25.7	23.34	Passed
	19943	BW:1.4;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.49	Passed
	19943	BW:1.4;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.46	Passed
	19943	BW:1.4;QPSK	5(RB-Pos:LOW)	20.3	25.7	23.35	Passed
	19943	BW:1.4;QPSK	5(RB-Pos:LOW)	20.3	25.7	23.34	Passed
	19225	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.36	Passed
	19225	BW:5.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.44	Passed
	19225	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.32	Passed
	19225	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.39	Passed
	19575	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.58	Passed
	19575	BW:5.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.50	Passed
	19575	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.52	Passed
	19575	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.50	Passed
	19925	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.51	Passed
	19925	BW:5.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.45	Passed
	19925	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.51	Passed
	19925	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.48	Passed
	19300	BW:20.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.27	Passed
	19300	BW:20.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.46	Passed
	19300	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.32	Passed
	19300	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.44	Passed
	19575	BW:20.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.64	Passed
	19575	BW:20.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.57	Passed
	19575	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.54	Passed
	19575	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.41	Passed
	19850	BW:20.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.59	Passed
	19850	BW:20.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.48	Passed
	19850	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.58	Passed



	19850	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.43	Passed
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LTE Band	Channel Number	Bandwidth (MHz) and modulation	RB Set	Limit low (dBm)	Limit high (dBm)	Result (dBm)	verdict
7	20775	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	22.77	Passed
	20775	BW:5.0;QPSK	1(RB-Pos:HIG	20.3	25.7	22.83	Passed
	20775	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	22.79	Passed
	20775	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	22.83	Passed
	21100	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	22.93	Passed
	21100	BW:5.0;QPSK	1(RB-Pos:HIG	20.3	25.7	22.94	Passed
	21100	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	22.98	Passed
	21100	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.04	Passed
	21425	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.57	Passed
	21425	BW:5.0;QPSK	1(RB-Pos:HIG	20.3	25.7	23.67	Passed
	21425	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.55	Passed
	21425	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.55	Passed
	20850	BW:20.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	22.83	Passed
	20850	BW:20.0;QPSK	1(RB-Pos:HIG	20.3	25.7	22.98	Passed
	20850	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	22.83	Passed
	20850	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	22.92	Passed
	21100	BW:20.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.04	Passed
	21100	BW:20.0;QPSK	1(RB-Pos:HIG	20.3	25.7	23.11	Passed
	21100	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.00	Passed
	21100	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.05	Passed
	21350	BW:20.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.26	Passed
	21350	BW:20.0;QPSK	1(RB-Pos:HIG	20.3	25.7	23.47	Passed
	21350	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.29	Passed
	21350	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.51	Passed



LTE Band	Channel Number	Bandwidth (MHz) and modulation	RB Set	Limit low (dBm)	Limit high (dBm)	Result (dBm)	verdict
8	21457	BW:1.4;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.25	Passed
	21457	BW:1.4;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.28	Passed
	21457	BW:1.4;QPSK	5(RB-Pos:LOW)	20.3	25.7	23.16	Passed
	21457	BW:1.4;QPSK	5(RB-Pos:HIGH)	20.3	25.7	23.17	Passed
	21625	BW:1.4;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.12	Passed
	21625	BW:1.4;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.10	Passed
	21625	BW:1.4;QPSK	5(RB-Pos:LOW)	20.3	25.7	23.06	Passed
	21625	BW:1.4;QPSK	5(RB-Pos:HIGH)	20.3	25.7	23.07	Passed
	21793	BW:1.4;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.16	Passed
	21793	BW:1.4;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.18	Passed
	21793	BW:1.4;QPSK	5(RB-Pos:LOW)	20.3	25.7	23.09	Passed
	21793	BW:1.4;QPSK	5(RB-Pos:HIGH)	20.3	25.7	23.08	Passed
	21475	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.23	Passed
	21475	BW:5.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.28	Passed
	21475	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.24	Passed
	21475	BW:5.0;QPSK	8(RB-Pos:HIGH)	20.3	25.7	23.28	Passed
	21625	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.26	Passed
	21625	BW:5.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.18	Passed
	21625	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.21	Passed
	21625	BW:5.0;QPSK	8(RB-Pos:HIGH)	20.3	25.7	23.15	Passed
	21775	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.11	Passed
	21775	BW:5.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.17	Passed
	21775	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.15	Passed
	21775	BW:5.0;QPSK	8(RB-Pos:HIGH)	20.3	25.7	23.19	Passed
	21500	BW:10.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.16	Passed
	21500	BW:10.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.24	Passed
	21500	BW:10.0;QPSK	12(RB-Pos:LOW)	20.3	25.7	23.18	Passed
	21500	BW:10.0;QPSK	12(RB-Pos:HIGH)	20.3	25.7	23.23	Passed
	21625	BW:10.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.23	Passed
	21625	BW:10.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.06	Passed
	21625	BW:10.0;QPSK	12(RB-Pos:LOW)	20.3	25.7	23.17	Passed
	21625	BW:10.0;QPSK	12(RB-Pos:HIGH)	20.3	25.7	23.04	Passed
	21750	BW:10.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.12	Passed
	21750	BW:10.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.19	Passed
	21750	BW:10.0;QPSK	12(RB-Pos:LOW)	20.3	25.7	23.04	Passed



	21750	BW:10.0;QPSK	12(RB-Pos:LOW)	20.3	25.7	23.10	Passed
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LTE Band	Channel Number	Bandwidth (MHz) and modulation	RB Set	Limit low (dBm)	Limit high (dBm)	Result (dBm)	verdict
20	24175	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.21	Passed
	24175	BW:5.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.21	Passed
	24175	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.21	Passed
	24175	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.20	Passed
	24300	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.25	Passed
	24300	BW:5.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.16	Passed
	24300	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.26	Passed
	24300	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.19	Passed
	24425	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.13	Passed
	24425	BW:5.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.08	Passed
	24425	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.10	Passed
	24425	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.05	Passed
	24250	BW:20.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.15	Passed
	24250	BW:20.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.16	Passed
	24250	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.13	Passed
	24250	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.14	Passed
	24300	BW:20.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.31	Passed
	24300	BW:20.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.16	Passed
	24300	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.24	Passed
	24300	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.07	Passed
	24350	BW:20.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.23	Passed
	24350	BW:20.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.07	Passed
	24350	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.20	Passed
	24350	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.04	Passed



LTE Band	Channel Number	Bandwidth (MHz) and modulation	RB Set	Limit low (dBm)	Limit high (dBm)	Result (dBm)	verdict
28	27225	BW:3;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.01	Passed
	27225	BW:3;QPSK	1(RB-Pos:LOW)	20.3	25.7	22.98	Passed
	27225	BW:3;QPSK	4(RB-Pos:LOW)	20.3	25.7	23.00	Passed
	27225	BW:3;QPSK	4(RB-Pos:LOW)	20.3	25.7	23.03	Passed
	27375	BW:3;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.11	Passed
	27375	BW:3;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.12	Passed
	27375	BW:3;QPSK	4(RB-Pos:LOW)	20.3	25.7	23.12	Passed
	27375	BW:3;QPSK	4(RB-Pos:LOW)	20.3	25.7	23.12	Passed
	27645	BW:3;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.14	Passed
	27645	BW:3;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.07	Passed
	27645	BW:3;QPSK	4(RB-Pos:LOW)	20.3	25.7	23.10	Passed
	27645	BW:3;QPSK	4(RB-Pos:LOW)	20.3	25.7	22.98	Passed
	27235	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.10	Passed
	27235	BW:5.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.10	Passed
	27235	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.06	Passed
	27235	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.07	Passed
	27385	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.23	Passed
	27385	BW:5.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.27	Passed
	27385	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.21	Passed
	27385	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.21	Passed
	27635	BW:5.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.11	Passed
	27635	BW:5.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.02	Passed
	27635	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.18	Passed
	27635	BW:5.0;QPSK	8(RB-Pos:LOW)	20.3	25.7	23.12	Passed
	27310	BW:20.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.03	Passed
	27310	BW:20.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.23	Passed
	27310	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	22.99	Passed
	27310	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.17	Passed
	27460	BW:20.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.25	Passed
	27460	BW:20.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.17	Passed
	27460	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.15	Passed
	27460	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.12	Passed
	27560	BW:20.0;QPSK	1(RB-Pos:LOW)	20.3	25.7	23.22	Passed
	27560	BW:20.0;QPSK	1(RB-Pos:HIGH)	20.3	25.7	23.13	Passed
	27560	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.15	Passed



	27560	BW:20.0;QPSK	18(RB-Pos:LOW)	20.3	25.7	23.11	Passed
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5G SA output Power

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Low Limit (dBm)	high Limit (dBm)	Verdict
n1	15	5	384500	12@6	DFT_BPSK	22.87	19.3	25.7	PASS
n1	15	5	384500	1@1	DFT_BPSK	22.68	19.3	25.7	PASS
n1	15	5	384500	1@23	DFT_BPSK	22.77	19.3	25.7	PASS
n1	15	5	384500	12@6	DFT_QPSK	22.88	19.3	25.7	PASS
n1	15	5	384500	1@1	DFT_QPSK	22.65	19.3	25.7	PASS
n1	15	5	384500	1@23	DFT_QPSK	22.87	19.3	25.7	PASS
n1	15	5	390000	12@6	DFT_BPSK	22.9	19.3	25.7	PASS
n1	15	5	390000	1@1	DFT_BPSK	22.82	19.3	25.7	PASS
n1	15	5	390000	1@23	DFT_BPSK	22.9	19.3	25.7	PASS
n1	15	5	390000	12@6	DFT_QPSK	22.9	19.3	25.7	PASS
n1	15	5	390000	1@1	DFT_QPSK	22.73	19.3	25.7	PASS
n1	15	5	390000	1@23	DFT_QPSK	22.97	19.3	25.7	PASS
n1	15	5	395500	12@6	DFT_BPSK	22.77	19.3	25.7	PASS
n1	15	5	395500	1@1	DFT_BPSK	22.66	19.3	25.7	PASS
n1	15	5	395500	1@23	DFT_BPSK	22.75	19.3	25.7	PASS
n1	15	5	395500	12@6	DFT_QPSK	22.77	19.3	25.7	PASS
n1	15	5	395500	1@1	DFT_QPSK	22.78	19.3	25.7	PASS
n1	15	5	395500	1@23	DFT_QPSK	22.79	19.3	25.7	PASS
n1	15	15	385500	36@18	DFT_BPSK	22.68	19.3	25.7	PASS
n1	15	15	385500	1@1	DFT_BPSK	22.61	19.3	25.7	PASS
n1	15	15	385500	1@77	DFT_BPSK	22.65	19.3	25.7	PASS
n1	15	15	385500	36@18	DFT_QPSK	22.73	19.3	25.7	PASS
n1	15	15	385500	1@1	DFT_QPSK	22.56	19.3	25.7	PASS
n1	15	15	385500	1@77	DFT_QPSK	22.62	19.3	25.7	PASS
n1	15	15	390000	36@18	DFT_BPSK	22.9	19.3	25.7	PASS
n1	15	15	390000	1@1	DFT_BPSK	22.69	19.3	25.7	PASS
n1	15	15	390000	1@77	DFT_BPSK	22.9	19.3	25.7	PASS
n1	15	15	390000	36@18	DFT_QPSK	22.85	19.3	25.7	PASS
n1	15	15	390000	1@1	DFT_QPSK	22.6	19.3	25.7	PASS
n1	15	15	390000	1@77	DFT_QPSK	22.88	19.3	25.7	PASS
n1	15	15	394500	36@18	DFT_BPSK	22.81	19.3	25.7	PASS
n1	15	15	394500	1@1	DFT_BPSK	22.85	19.3	25.7	PASS
n1	15	15	394500	1@77	DFT_BPSK	22.8	19.3	25.7	PASS
n1	15	15	394500	36@18	DFT_QPSK	22.79	19.3	25.7	PASS
n1	15	15	394500	1@1	DFT_QPSK	22.89	19.3	25.7	PASS



n1	15	15	394500	1@77	DFT_QPSK	22.78	19.3	25.7	PASS
n1	15	20	386000	50@25	DFT_BPSK	22.9	19.3	25.7	PASS
n1	15	20	386000	1@1	DFT_BPSK	22.65	19.3	25.7	PASS
n1	15	20	386000	1@104	DFT_BPSK	22.74	19.3	25.7	PASS
n1	15	20	386000	50@25	DFT_QPSK	22.81	19.3	25.7	PASS
n1	15	20	386000	1@1	DFT_QPSK	22.59	19.3	25.7	PASS
n1	15	20	386000	1@104	DFT_QPSK	22.79	19.3	25.7	PASS
n1	15	20	390000	50@25	DFT_BPSK	22.87	19.3	25.7	PASS
n1	15	20	390000	1@1	DFT_BPSK	22.76	19.3	25.7	PASS
n1	15	20	390000	1@104	DFT_BPSK	22.74	19.3	25.7	PASS
n1	15	20	390000	50@25	DFT_QPSK	22.89	19.3	25.7	PASS
n1	15	20	390000	1@1	DFT_QPSK	22.66	19.3	25.7	PASS
n1	15	20	390000	1@104	DFT_QPSK	22.69	19.3	25.7	PASS
n1	15	20	394000	50@25	DFT_BPSK	22.84	19.3	25.7	PASS
n1	15	20	394000	1@1	DFT_BPSK	22.65	19.3	25.7	PASS
n1	15	20	394000	1@104	DFT_BPSK	22.72	19.3	25.7	PASS
n1	15	20	394000	50@25	DFT_QPSK	22.88	19.3	25.7	PASS
n1	15	20	394000	1@1	DFT_QPSK	22.7	19.3	25.7	PASS
n1	15	20	394000	1@104	DFT_QPSK	22.79	19.3	25.7	PASS



Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Low Limit (dBm)	high Limit (dBm)	Verdict
n3	15	5	342500	12@6	DFT_BPSK	22.86	19.3	25.7	PASS
n3	15	5	342500	1@1	DFT_BPSK	22.67	19.3	25.7	PASS
n3	15	5	342500	1@23	DFT_BPSK	22.77	19.3	25.7	PASS
n3	15	5	342500	12@6	DFT_QPSK	22.83	19.3	25.7	PASS
n3	15	5	342500	1@1	DFT_QPSK	22.62	19.3	25.7	PASS
n3	15	5	342500	1@23	DFT_QPSK	22.82	19.3	25.7	PASS
n3	15	5	349500	12@6	DFT_BPSK	22.86	19.3	25.7	PASS
n3	15	5	349500	1@1	DFT_BPSK	22.78	19.3	25.7	PASS
n3	15	5	349500	1@23	DFT_BPSK	22.84	19.3	25.7	PASS
n3	15	5	349500	12@6	DFT_QPSK	22.89	19.3	25.7	PASS
n3	15	5	349500	1@1	DFT_QPSK	22.7	19.3	25.7	PASS
n3	15	5	349500	1@23	DFT_QPSK	22.73	19.3	25.7	PASS
n3	15	5	356500	12@6	DFT_BPSK	22.59	19.3	25.7	PASS
n3	15	5	356500	1@1	DFT_BPSK	22.62	19.3	25.7	PASS
n3	15	5	356500	1@23	DFT_BPSK	22.52	19.3	25.7	PASS
n3	15	5	356500	12@6	DFT_QPSK	22.69	19.3	25.7	PASS
n3	15	5	356500	1@1	DFT_QPSK	22.71	19.3	25.7	PASS
n3	15	5	356500	1@23	DFT_QPSK	22.47	19.3	25.7	PASS
n3	15	20	344000	50@25	DFT_BPSK	22.9	19.3	25.7	PASS
n3	15	20	344000	1@1	DFT_BPSK	22.6	19.3	25.7	PASS
n3	15	20	344000	1@104	DFT_BPSK	22.8	19.3	25.7	PASS
n3	15	20	344000	50@25	DFT_QPSK	22.93	19.3	25.7	PASS
n3	15	20	344000	1@1	DFT_QPSK	22.72	19.3	25.7	PASS
n3	15	20	344000	1@104	DFT_QPSK	22.67	19.3	25.7	PASS
n3	15	20	349500	50@25	DFT_BPSK	22.87	19.3	25.7	PASS
n3	15	20	349500	1@1	DFT_BPSK	22.66	19.3	25.7	PASS
n3	15	20	349500	1@104	DFT_BPSK	22.85	19.3	25.7	PASS
n3	15	20	349500	50@25	DFT_QPSK	22.86	19.3	25.7	PASS
n3	15	20	349500	1@1	DFT_QPSK	22.7	19.3	25.7	PASS
n3	15	20	349500	1@104	DFT_QPSK	22.7	19.3	25.7	PASS
n3	15	20	355000	50@25	DFT_BPSK	22.68	19.3	25.7	PASS
n3	15	20	355000	1@1	DFT_BPSK	22.49	19.3	25.7	PASS
n3	15	20	355000	1@104	DFT_BPSK	22.51	19.3	25.7	PASS
n3	15	20	355000	50@25	DFT_QPSK	22.69	19.3	25.7	PASS
n3	15	20	355000	1@1	DFT_QPSK	22.4	19.3	25.7	PASS
n3	15	20	355000	1@104	DFT_QPSK	22.43	19.3	25.7	PASS



n3	15	30	345000	80@40	DFT_BPSK	22.92	19.3	25.7	PASS
n3	15	30	345000	1@1	DFT_BPSK	22.69	19.3	25.7	PASS
n3	15	30	345000	1@158	DFT_BPSK	22.66	19.3	25.7	PASS
n3	15	30	345000	80@40	DFT_QPSK	22.87	19.3	25.7	PASS
n3	15	30	345000	1@1	DFT_QPSK	22.73	19.3	25.7	PASS
n3	15	30	345000	1@158	DFT_QPSK	22.67	19.3	25.7	PASS
n3	15	30	349500	80@40	DFT_BPSK	22.96	19.3	25.7	PASS
n3	15	30	349500	1@1	DFT_BPSK	22.75	19.3	25.7	PASS
n3	15	30	349500	1@158	DFT_BPSK	22.68	19.3	25.7	PASS
n3	15	30	349500	80@40	DFT_QPSK	23	19.3	25.7	PASS
n3	15	30	349500	1@1	DFT_QPSK	22.7	19.3	25.7	PASS
n3	15	30	349500	1@158	DFT_QPSK	22.66	19.3	25.7	PASS
n3	15	30	354000	80@40	DFT_BPSK	22.63	19.3	25.7	PASS
n3	15	30	354000	1@1	DFT_BPSK	22.85	19.3	25.7	PASS
n3	15	30	354000	1@158	DFT_BPSK	22.58	19.3	25.7	PASS
n3	15	30	354000	80@40	DFT_QPSK	22.66	19.3	25.7	PASS
n3	15	30	354000	1@1	DFT_QPSK	22.91	19.3	25.7	PASS
n3	15	30	354000	1@158	DFT_QPSK	22.56	19.3	25.7	PASS



Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Low Limit (dBm)	high Limit (dBm)	Verdict
n8	15	5	176500	12@6	DFT_BPSK	23.67	19.3	25.7	PASS
n8	15	5	176500	1@1	DFT_BPSK	23.58	19.3	25.7	PASS
n8	15	5	176500	1@23	DFT_BPSK	23.59	19.3	25.7	PASS
n8	15	5	176500	12@6	DFT_QPSK	23.68	19.3	25.7	PASS
n8	15	5	176500	1@1	DFT_QPSK	23.53	19.3	25.7	PASS
n8	15	5	176500	1@23	DFT_QPSK	23.51	19.3	25.7	PASS
n8	15	5	179500	12@6	DFT_BPSK	23.61	19.3	25.7	PASS
n8	15	5	179500	1@1	DFT_BPSK	23.57	19.3	25.7	PASS
n8	15	5	179500	1@23	DFT_BPSK	23.53	19.3	25.7	PASS
n8	15	5	179500	12@6	DFT_QPSK	23.62	19.3	25.7	PASS
n8	15	5	179500	1@1	DFT_QPSK	23.59	19.3	25.7	PASS
n8	15	5	179500	1@23	DFT_QPSK	23.55	19.3	25.7	PASS
n8	15	5	182500	12@6	DFT_BPSK	23.51	19.3	25.7	PASS
n8	15	5	182500	1@1	DFT_BPSK	23.49	19.3	25.7	PASS
n8	15	5	182500	1@23	DFT_BPSK	23.43	19.3	25.7	PASS
n8	15	5	182500	12@6	DFT_QPSK	23.55	19.3	25.7	PASS
n8	15	5	182500	1@1	DFT_QPSK	23.45	19.3	25.7	PASS
n8	15	5	182500	1@23	DFT_QPSK	23.42	19.3	25.7	PASS
n8	15	15	177500	36@18	DFT_BPSK	23.67	19.3	25.7	PASS
n8	15	15	177500	1@1	DFT_BPSK	23.53	19.3	25.7	PASS
n8	15	15	177500	1@77	DFT_BPSK	23.49	19.3	25.7	PASS
n8	15	15	177500	36@18	DFT_QPSK	23.7	19.3	25.7	PASS
n8	15	15	177500	1@1	DFT_QPSK	23.49	19.3	25.7	PASS
n8	15	15	177500	1@77	DFT_QPSK	23.52	19.3	25.7	PASS
n8	15	15	179500	36@18	DFT_BPSK	23.6	19.3	25.7	PASS
n8	15	15	179500	1@1	DFT_BPSK	23.53	19.3	25.7	PASS
n8	15	15	179500	1@77	DFT_BPSK	23.47	19.3	25.7	PASS
n8	15	15	179500	36@18	DFT_QPSK	23.6	19.3	25.7	PASS
n8	15	15	179500	1@1	DFT_QPSK	23.55	19.3	25.7	PASS
n8	15	15	179500	1@77	DFT_QPSK	23.41	19.3	25.7	PASS
n8	15	15	181500	36@18	DFT_BPSK	23.51	19.3	25.7	PASS
n8	15	15	181500	1@1	DFT_BPSK	23.5	19.3	25.7	PASS
n8	15	15	181500	1@77	DFT_BPSK	23.37	19.3	25.7	PASS
n8	15	15	181500	36@18	DFT_QPSK	23.48	19.3	25.7	PASS
n8	15	15	181500	1@1	DFT_QPSK	23.52	19.3	25.7	PASS
n8	15	15	181500	1@77	DFT_QPSK	23.4	19.3	25.7	PASS



n8	15	20	178000	50@25	DFT_BPSK	23.63	19.3	25.7	PASS
n8	15	20	178000	1@1	DFT_BPSK	23.56	19.3	25.7	PASS
n8	15	20	178000	1@104	DFT_BPSK	23.54	19.3	25.7	PASS
n8	15	20	178000	50@25	DFT_QPSK	23.64	19.3	25.7	PASS
n8	15	20	178000	1@1	DFT_QPSK	23.59	19.3	25.7	PASS
n8	15	20	178000	1@104	DFT_QPSK	23.58	19.3	25.7	PASS
n8	15	20	179500	50@25	DFT_BPSK	23.56	19.3	25.7	PASS
n8	15	20	179500	1@1	DFT_BPSK	23.6	19.3	25.7	PASS
n8	15	20	179500	1@104	DFT_BPSK	23.48	19.3	25.7	PASS
n8	15	20	179500	50@25	DFT_QPSK	23.63	19.3	25.7	PASS
n8	15	20	179500	1@1	DFT_QPSK	23.6	19.3	25.7	PASS
n8	15	20	179500	1@104	DFT_QPSK	23.51	19.3	25.7	PASS
n8	15	20	181000	50@25	DFT_BPSK	23.56	19.3	25.7	PASS
n8	15	20	181000	1@1	DFT_BPSK	23.55	19.3	25.7	PASS
n8	15	20	181000	1@104	DFT_BPSK	23.42	19.3	25.7	PASS
n8	15	20	181000	50@25	DFT_QPSK	23.56	19.3	25.7	PASS
n8	15	20	181000	1@1	DFT_QPSK	23.56	19.3	25.7	PASS
n8	15	20	181000	1@104	DFT_QPSK	23.43	19.3	25.7	PASS



Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Low Limit (dBm)	high Limit (dBm)	Verdict
n20	15	5	166900	12@6	DFT_BPSK	23.7	19.3	25.7	PASS
n20	15	5	166900	1@1	DFT_BPSK	23.66	19.3	25.7	PASS
n20	15	5	166900	1@23	DFT_BPSK	23.7	19.3	25.7	PASS
n20	15	5	166900	12@6	DFT_QPSK	23.71	19.3	25.7	PASS
n20	15	5	166900	1@1	DFT_QPSK	23.67	19.3	25.7	PASS
n20	15	5	166900	1@23	DFT_QPSK	23.66	19.3	25.7	PASS
n20	15	5	169400	12@6	DFT_BPSK	23.8	19.3	25.7	PASS
n20	15	5	169400	1@1	DFT_BPSK	23.72	19.3	25.7	PASS
n20	15	5	169400	1@23	DFT_BPSK	23.8	19.3	25.7	PASS
n20	15	5	169400	12@6	DFT_QPSK	23.82	19.3	25.7	PASS
n20	15	5	169400	1@1	DFT_QPSK	23.73	19.3	25.7	PASS
n20	15	5	169400	1@23	DFT_QPSK	23.77	19.3	25.7	PASS
n20	15	5	171900	12@6	DFT_BPSK	23.8	19.3	25.7	PASS
n20	15	5	171900	1@1	DFT_BPSK	23.69	19.3	25.7	PASS
n20	15	5	171900	1@23	DFT_BPSK	23.7	19.3	25.7	PASS
n20	15	5	171900	12@6	DFT_QPSK	23.8	19.3	25.7	PASS
n20	15	5	171900	1@1	DFT_QPSK	23.71	19.3	25.7	PASS
n20	15	5	171900	1@23	DFT_QPSK	23.7	19.3	25.7	PASS
n20	15	15	167900	36@18	DFT_BPSK	23.77	19.3	25.7	PASS
n20	15	15	167900	1@1	DFT_BPSK	23.64	19.3	25.7	PASS
n20	15	15	167900	1@77	DFT_BPSK	23.72	19.3	25.7	PASS
n20	15	15	167900	36@18	DFT_QPSK	23.74	19.3	25.7	PASS
n20	15	15	167900	1@1	DFT_QPSK	23.56	19.3	25.7	PASS
n20	15	15	167900	1@77	DFT_QPSK	23.65	19.3	25.7	PASS
n20	15	15	169400	36@18	DFT_BPSK	23.82	19.3	25.7	PASS
n20	15	15	169400	1@1	DFT_BPSK	23.68	19.3	25.7	PASS
n20	15	15	169400	1@77	DFT_BPSK	23.71	19.3	25.7	PASS
n20	15	15	169400	36@18	DFT_QPSK	23.76	19.3	25.7	PASS
n20	15	15	169400	1@1	DFT_QPSK	23.66	19.3	25.7	PASS
n20	15	15	169400	1@77	DFT_QPSK	23.61	19.3	25.7	PASS
n20	15	15	170900	36@18	DFT_BPSK	23.77	19.3	25.7	PASS
n20	15	15	170900	1@1	DFT_BPSK	23.77	19.3	25.7	PASS
n20	15	15	170900	1@77	DFT_BPSK	23.72	19.3	25.7	PASS
n20	15	15	170900	36@18	DFT_QPSK	23.75	19.3	25.7	PASS
n20	15	15	170900	1@1	DFT_QPSK	23.66	19.3	25.7	PASS
n20	15	15	170900	1@77	DFT_QPSK	23.61	19.3	25.7	PASS



n20	15	20	168400	50@25	DFT_BPSK	23.75	19.3	25.7	PASS
n20	15	20	168400	1@1	DFT_BPSK	23.65	19.3	25.7	PASS
n20	15	20	168400	1@104	DFT_BPSK	23.74	19.3	25.7	PASS
n20	15	20	168400	50@25	DFT_QPSK	23.73	19.3	25.7	PASS
n20	15	20	168400	1@1	DFT_QPSK	23.67	19.3	25.7	PASS
n20	15	20	168400	1@104	DFT_QPSK	23.7	19.3	25.7	PASS
n20	15	20	169400	50@25	DFT_BPSK	23.82	19.3	25.7	PASS
n20	15	20	169400	1@1	DFT_BPSK	23.75	19.3	25.7	PASS
n20	15	20	169400	1@104	DFT_BPSK	23.74	19.3	25.7	PASS
n20	15	20	169400	50@25	DFT_QPSK	23.8	19.3	25.7	PASS
n20	15	20	169400	1@1	DFT_QPSK	23.68	19.3	25.7	PASS
n20	15	20	169400	1@104	DFT_QPSK	23.67	19.3	25.7	PASS
n20	15	20	170400	50@25	DFT_BPSK	23.79	19.3	25.7	PASS
n20	15	20	170400	1@1	DFT_BPSK	23.65	19.3	25.7	PASS
n20	15	20	170400	1@104	DFT_BPSK	23.71	19.3	25.7	PASS
n20	15	20	170400	50@25	DFT_QPSK	23.75	19.3	25.7	PASS
n20	15	20	170400	1@1	DFT_QPSK	23.63	19.3	25.7	PASS
n20	15	20	170400	1@104	DFT_QPSK	23.67	19.3	25.7	PASS



Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Low Limit (dBm)	high Limit (dBm)	Verdict
n28	15	5	141100	12@6	DFT_BPSK	23.6	19.3	25.7	PASS
n28	15	5	141100	1@1	DFT_BPSK	23.55	19.3	25.7	PASS
n28	15	5	141100	1@23	DFT_BPSK	23.57	19.3	25.7	PASS
n28	15	5	141100	12@6	DFT_QPSK	23.6	19.3	25.7	PASS
n28	15	5	141100	1@1	DFT_QPSK	23.55	19.3	25.7	PASS
n28	15	5	141100	1@23	DFT_QPSK	23.58	19.3	25.7	PASS
n28	15	5	145100	12@6	DFT_BPSK	23.5	19.3	25.7	PASS
n28	15	5	145100	1@1	DFT_BPSK	23.51	19.3	25.7	PASS
n28	15	5	145100	1@23	DFT_BPSK	23.45	19.3	25.7	PASS
n28	15	5	145100	12@6	DFT_QPSK	23.54	19.3	25.7	PASS
n28	15	5	145100	1@1	DFT_QPSK	23.45	19.3	25.7	PASS
n28	15	5	145100	1@23	DFT_QPSK	23.47	19.3	25.7	PASS
n28	15	5	149100	12@6	DFT_BPSK	23.45	19.3	25.7	PASS
n28	15	5	149100	1@1	DFT_BPSK	23.36	19.3	25.7	PASS
n28	15	5	149100	1@23	DFT_BPSK	23.38	19.3	25.7	PASS
n28	15	5	149100	12@6	DFT_QPSK	23.47	19.3	25.7	PASS
n28	15	5	149100	1@1	DFT_QPSK	23.35	19.3	25.7	PASS
n28	15	5	149100	1@23	DFT_QPSK	23.39	19.3	25.7	PASS
n28	15	15	142100	36@18	DFT_BPSK	23.63	19.3	25.7	PASS
n28	15	15	142100	1@1	DFT_BPSK	23.57	19.3	25.7	PASS
n28	15	15	142100	1@77	DFT_BPSK	23.51	19.3	25.7	PASS
n28	15	15	142100	36@18	DFT_QPSK	23.67	19.3	25.7	PASS
n28	15	15	142100	1@1	DFT_QPSK	23.44	19.3	25.7	PASS
n28	15	15	142100	1@77	DFT_QPSK	23.45	19.3	25.7	PASS
n28	15	15	145100	36@18	DFT_BPSK	23.55	19.3	25.7	PASS
n28	15	15	145100	1@1	DFT_BPSK	23.47	19.3	25.7	PASS
n28	15	15	145100	1@77	DFT_BPSK	23.44	19.3	25.7	PASS
n28	15	15	145100	36@18	DFT_QPSK	23.55	19.3	25.7	PASS
n28	15	15	145100	1@1	DFT_QPSK	23.4	19.3	25.7	PASS
n28	15	15	145100	1@77	DFT_QPSK	23.48	19.3	25.7	PASS
n28	15	15	148100	36@18	DFT_BPSK	23.44	19.3	25.7	PASS
n28	15	15	148100	1@1	DFT_BPSK	23.42	19.3	25.7	PASS
n28	15	15	148100	1@77	DFT_BPSK	23.34	19.3	25.7	PASS
n28	15	15	148100	36@18	DFT_QPSK	23.43	19.3	25.7	PASS
n28	15	15	148100	1@1	DFT_QPSK	23.38	19.3	25.7	PASS
n28	15	15	148100	1@77	DFT_QPSK	23.29	19.3	25.7	PASS



n28	15	20	142600	50@25	DFT_BPSK	23.62	19.3	25.7	PASS
n28	15	20	142600	1@1	DFT_BPSK	23.57	19.3	25.7	PASS
n28	15	20	142600	1@104	DFT_BPSK	23.52	19.3	25.7	PASS
n28	15	20	142600	50@25	DFT_QPSK	23.64	19.3	25.7	PASS
n28	15	20	142600	1@1	DFT_QPSK	23.49	19.3	25.7	PASS
n28	15	20	142600	1@104	DFT_QPSK	23.48	19.3	25.7	PASS
n28	15	20	145100	50@25	DFT_BPSK	23.55	19.3	25.7	PASS
n28	15	20	145100	1@1	DFT_BPSK	23.53	19.3	25.7	PASS
n28	15	20	145100	1@104	DFT_BPSK	23.48	19.3	25.7	PASS
n28	15	20	145100	50@25	DFT_QPSK	23.57	19.3	25.7	PASS
n28	15	20	145100	1@1	DFT_QPSK	23.53	19.3	25.7	PASS
n28	15	20	145100	1@104	DFT_QPSK	23.38	19.3	25.7	PASS
n28	15	20	147600	50@25	DFT_BPSK	23.5	19.3	25.7	PASS
n28	15	20	147600	1@1	DFT_BPSK	23.42	19.3	25.7	PASS
n28	15	20	147600	1@104	DFT_BPSK	23.41	19.3	25.7	PASS
n28	15	20	147600	50@25	DFT_QPSK	23.45	19.3	25.7	PASS
n28	15	20	147600	1@1	DFT_QPSK	23.37	19.3	25.7	PASS
n28	15	20	147600	1@104	DFT_QPSK	23.35	19.3	25.7	PASS



Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Low Limit (dBm)	high Limit (dBm)	Verdict
n40	30	10	461000	12@6	DFT_BPSK	22.84	19.3	25.7	PASS
n40	30	10	461000	1@1	DFT_BPSK	22.47	19.3	25.7	PASS
n40	30	10	461000	1@22	DFT_BPSK	22.72	19.3	25.7	PASS
n40	30	10	461000	12@6	DFT_QPSK	22.71	19.3	25.7	PASS
n40	30	10	461000	1@1	DFT_QPSK	22.7	19.3	25.7	PASS
n40	30	10	461000	1@22	DFT_QPSK	22.68	19.3	25.7	PASS
n40	30	10	470000	12@6	DFT_BPSK	23.39	19.3	25.7	PASS
n40	30	10	470000	1@1	DFT_BPSK	23.2	19.3	25.7	PASS
n40	30	10	470000	1@22	DFT_BPSK	23.37	19.3	25.7	PASS
n40	30	10	470000	12@6	DFT_QPSK	23.42	19.3	25.7	PASS
n40	30	10	470000	1@1	DFT_QPSK	23.15	19.3	25.7	PASS
n40	30	10	470000	1@22	DFT_QPSK	23.24	19.3	25.7	PASS
n40	30	10	479000	12@6	DFT_BPSK	23.67	19.3	25.7	PASS
n40	30	10	479000	1@1	DFT_BPSK	23.57	19.3	25.7	PASS
n40	30	10	479000	1@22	DFT_BPSK	23.62	19.3	25.7	PASS
n40	30	10	479000	12@6	DFT_QPSK	23.63	19.3	25.7	PASS
n40	30	10	479000	1@1	DFT_QPSK	23.69	19.3	25.7	PASS
n40	30	10	479000	1@22	DFT_QPSK	23.72	19.3	25.7	PASS
n40	30	30	463000	36@18	DFT_BPSK	22.84	19.3	25.7	PASS
n40	30	30	463000	1@1	DFT_BPSK	22.63	19.3	25.7	PASS
n40	30	30	463000	1@76	DFT_BPSK	23.02	19.3	25.7	PASS
n40	30	30	463000	36@18	DFT_QPSK	22.94	19.3	25.7	PASS
n40	30	30	463000	1@1	DFT_QPSK	22.72	19.3	25.7	PASS
n40	30	30	463000	1@76	DFT_QPSK	23.02	19.3	25.7	PASS
n40	30	30	470000	36@18	DFT_BPSK	23.47	19.3	25.7	PASS
n40	30	30	470000	1@1	DFT_BPSK	23.04	19.3	25.7	PASS
n40	30	30	470000	1@76	DFT_BPSK	23.53	19.3	25.7	PASS
n40	30	30	470000	36@18	DFT_QPSK	23.38	19.3	25.7	PASS
n40	30	30	470000	1@1	DFT_QPSK	23.16	19.3	25.7	PASS
n40	30	30	470000	1@76	DFT_QPSK	23.64	19.3	25.7	PASS
n40	30	30	477000	36@18	DFT_BPSK	23.77	19.3	25.7	PASS
n40	30	30	477000	1@1	DFT_BPSK	23.56	19.3	25.7	PASS
n40	30	30	477000	1@76	DFT_BPSK	23.68	19.3	25.7	PASS
n40	30	30	477000	36@18	DFT_QPSK	23.77	19.3	25.7	PASS
n40	30	30	477000	1@1	DFT_QPSK	23.51	19.3	25.7	PASS
n40	30	30	477000	1@76	DFT_QPSK	23.6	19.3	25.7	PASS



n40	30	80	468000	108@54	DFT_BPSK	23.07	19	26	PASS
n40	30	80	468000	1@1	DFT_BPSK	22.44	19	26	PASS
n40	30	80	468000	1@215	DFT_BPSK	23.38	19	26	PASS
n40	30	80	468000	108@54	DFT_QPSK	23.01	19	26	PASS
n40	30	80	468000	1@1	DFT_QPSK	22.36	19	26	PASS
n40	30	80	468000	1@215	DFT_QPSK	23.28	19	26	PASS
n40	30	80	470000	108@54	DFT_BPSK	23.19	19	26	PASS
n40	30	80	470000	1@1	DFT_BPSK	22.53	19	26	PASS
n40	30	80	470000	1@215	DFT_BPSK	23.4	19	26	PASS
n40	30	80	470000	108@54	DFT_QPSK	23.2	19	26	PASS
n40	30	80	470000	1@1	DFT_QPSK	22.48	19	26	PASS
n40	30	80	470000	1@215	DFT_QPSK	23.42	19	26	PASS
n40	30	80	472000	108@54	DFT_BPSK	23.33	19	26	PASS
n40	30	80	472000	1@1	DFT_BPSK	22.64	19	26	PASS
n40	30	80	472000	1@215	DFT_BPSK	23.37	19	26	PASS
n40	30	80	472000	108@54	DFT_QPSK	23.35	19	26	PASS
n40	30	80	472000	1@1	DFT_QPSK	22.63	19	26	PASS
n40	30	80	472000	1@215	DFT_QPSK	23.32	19	26	PASS



Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Low Limit (dBm)	high Limit (dBm)	Verdict
n77	30	10	620334	12@6	DFT_BPSK	26.61	19	26	PASS
n77	30	10	620334	1@1	DFT_BPSK	26.63	19	26	PASS
n77	30	10	620334	1@22	DFT_BPSK	26.52	19	26	PASS
n77	30	10	620334	12@6	DFT_QPSK	26.76	19	26	PASS
n77	30	10	620334	1@1	DFT_QPSK	26.64	19	26	PASS
n77	30	10	620334	1@22	DFT_QPSK	26.75	19	26	PASS
n77	30	10	650000	12@6	DFT_BPSK	27.02	19	26	PASS
n77	30	10	650000	1@1	DFT_BPSK	26.88	19	26	PASS
n77	30	10	650000	1@22	DFT_BPSK	26.84	19	26	PASS
n77	30	10	650000	12@6	DFT_QPSK	27.02	19	26	PASS
n77	30	10	650000	1@1	DFT_QPSK	26.92	19	26	PASS
n77	30	10	650000	1@22	DFT_QPSK	26.97	19	26	PASS
n77	30	10	679666	12@6	DFT_BPSK	26.69	19	26	PASS
n77	30	10	679666	1@1	DFT_BPSK	26.61	19	26	PASS
n77	30	10	679666	1@22	DFT_BPSK	26.59	19	26	PASS
n77	30	10	679666	12@6	DFT_QPSK	26.66	19	26	PASS
n77	30	10	679666	1@1	DFT_QPSK	26.72	19	26	PASS
n77	30	10	679666	1@22	DFT_QPSK	26.77	19	26	PASS
n77	30	50	621668	64@32	DFT_BPSK	26.58	19	26	PASS
n77	30	50	621668	1@1	DFT_BPSK	26.43	19	26	PASS
n77	30	50	621668	1@131	DFT_BPSK	26.29	19	26	PASS
n77	30	50	621668	64@32	DFT_QPSK	26.62	19	26	PASS
n77	30	50	621668	1@1	DFT_QPSK	26.67	19	26	PASS
n77	30	50	621668	1@131	DFT_QPSK	26.24	19	26	PASS
n77	30	50	650000	64@32	DFT_BPSK	26.96	19	26	PASS
n77	30	50	650000	1@1	DFT_BPSK	26.69	19	26	PASS
n77	30	50	650000	1@131	DFT_BPSK	26.73	19	26	PASS
n77	30	50	650000	64@32	DFT_QPSK	26.95	19	26	PASS
n77	30	50	650000	1@1	DFT_QPSK	26.72	19	26	PASS
n77	30	50	650000	1@131	DFT_QPSK	26.73	19	26	PASS
n77	30	50	678332	64@32	DFT_BPSK	26.66	19	26	PASS
n77	30	50	678332	1@1	DFT_BPSK	26.32	19	26	PASS
n77	30	50	678332	1@131	DFT_BPSK	26.6	19	26	PASS
n77	30	50	678332	64@32	DFT_QPSK	26.7	19	26	PASS



n77	30	50	678332	1@1	DFT_QPSK	26.31	19	26	PASS
n77	30	50	678332	1@131	DFT_QPSK	26.7	19	26	PASS
n77	30	100	623334	135@67	DFT_BPSK	26.32	19	26	PASS
n77	30	100	623334	1@1	DFT_BPSK	26.46	19	26	PASS
n77	30	100	623334	1@271	DFT_BPSK	26.06	19	26	PASS
n77	30	100	623334	135@67	DFT_QPSK	26.35	19	26	PASS
n77	30	100	623334	1@1	DFT_QPSK	26.66	19	26	PASS
n77	30	100	623334	1@271	DFT_QPSK	26.23	19	26	PASS
n77	30	100	650000	135@67	DFT_BPSK	26.8	19	26	PASS
n77	30	100	650000	1@1	DFT_BPSK	26.29	19	26	PASS
n77	30	100	650000	1@271	DFT_BPSK	26.6	19	26	PASS
n77	30	100	650000	135@67	DFT_QPSK	26.84	19	26	PASS
n77	30	100	650000	1@1	DFT_QPSK	26.42	19	26	PASS
n77	30	100	650000	1@271	DFT_QPSK	26.61	19	26	PASS
n77	30	100	676666	135@67	DFT_BPSK	26.42	19	26	PASS
n77	30	100	676666	1@1	DFT_BPSK	26.28	19	26	PASS
n77	30	100	676666	1@271	DFT_BPSK	26.59	19	26	PASS
n77	30	100	676666	135@67	DFT_QPSK	26.42	19	26	PASS
n77	30	100	676666	1@1	DFT_QPSK	26.38	19	26	PASS
n77	30	100	676666	1@271	DFT_QPSK	26.69	19	26	PASS



Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Low Limit (dBm)	high Limit (dBm)	Verdict
n78	30	20	620668	25@12	DFT_BPSK	26.56	19	26	PASS
n78	30	20	620668	1@1	DFT_BPSK	26.52	19	26	PASS
n78	30	20	620668	1@49	DFT_BPSK	26.42	19	26	PASS
n78	30	20	620668	25@12	DFT_QPSK	26.58	19	26	PASS
n78	30	20	620668	1@1	DFT_QPSK	26.52	19	26	PASS
n78	30	20	620668	1@49	DFT_QPSK	26.65	19	26	PASS
n78	30	20	636666	25@12	DFT_BPSK	26.98	19	26	PASS
n78	30	20	636666	1@1	DFT_BPSK	26.89	19	26	PASS
n78	30	20	636666	1@49	DFT_BPSK	26.87	19	26	PASS
n78	30	20	636666	25@12	DFT_QPSK	26.9	19	26	PASS
n78	30	20	636666	1@1	DFT_QPSK	27.01	19	26	PASS
n78	30	20	636666	1@49	DFT_QPSK	27.05	19	26	PASS
n78	30	20	652666	25@12	DFT_BPSK	26.64	19	26	PASS
n78	30	20	652666	1@1	DFT_BPSK	26.63	19	26	PASS
n78	30	20	652666	1@49	DFT_BPSK	26.53	19	26	PASS
n78	30	20	652666	25@12	DFT_QPSK	26.66	19	26	PASS
n78	30	20	652666	1@1	DFT_QPSK	26.65	19	26	PASS
n78	30	20	652666	1@49	DFT_QPSK	26.56	19	26	PASS
n78	30	50	621668	64@32	DFT_BPSK	26.62	19	26	PASS
n78	30	50	621668	1@1	DFT_BPSK	26.45	19	26	PASS
n78	30	50	621668	1@131	DFT_BPSK	26.34	19	26	PASS
n78	30	50	621668	64@32	DFT_QPSK	26.69	19	26	PASS
n78	30	50	621668	1@1	DFT_QPSK	26.44	19	26	PASS
n78	30	50	621668	1@131	DFT_QPSK	26.28	19	26	PASS
n78	30	50	636666	64@32	DFT_BPSK	26.94	19	26	PASS
n78	30	50	636666	1@1	DFT_BPSK	26.78	19	26	PASS
n78	30	50	636666	1@131	DFT_BPSK	26.76	19	26	PASS
n78	30	50	636666	64@32	DFT_QPSK	26.95	19	26	PASS
n78	30	50	636666	1@1	DFT_QPSK	26.74	19	26	PASS
n78	30	50	636666	1@131	DFT_QPSK	26.83	19	26	PASS
n78	30	50	651666	64@32	DFT_BPSK	26.77	19	26	PASS
n78	30	50	651666	1@1	DFT_BPSK	26.71	19	26	PASS
n78	30	50	651666	1@131	DFT_BPSK	26.4	19	26	PASS



n78	30	50	651666	64@32	DFT_QPSK	26.7	19	26	PASS
n78	30	50	651666	1@1	DFT_QPSK	26.68	19	26	PASS
n78	30	50	651666	1@131	DFT_QPSK	26.55	19	26	PASS
n78	30	100	623334	135@67	DFT_BPSK	26.4	19	26	PASS
n78	30	100	623334	1@1	DFT_BPSK	26.48	19	26	PASS
n78	30	100	623334	1@271	DFT_BPSK	25.93	19	26	PASS
n78	30	100	623334	135@67	DFT_QPSK	26.42	19	26	PASS
n78	30	100	623334	1@1	DFT_QPSK	26.67	19	26	PASS
n78	30	100	623334	1@271	DFT_QPSK	25.86	19	26	PASS
n78	30	100	636666	135@67	DFT_BPSK	26.93	19	26	PASS
n78	30	100	636666	1@1	DFT_BPSK	26.71	19	26	PASS
n78	30	100	636666	1@271	DFT_BPSK	26.44	19	26	PASS
n78	30	100	636666	135@67	DFT_QPSK	26.87	19	26	PASS
n78	30	100	636666	1@1	DFT_QPSK	26.72	19	26	PASS
n78	30	100	636666	1@271	DFT_QPSK	26.44	19	26	PASS
n78	30	100	650000	135@67	DFT_BPSK	26.83	19	26	PASS
n78	30	100	650000	1@1	DFT_BPSK	26.43	19	26	PASS
n78	30	100	650000	1@271	DFT_BPSK	26.54	19	26	PASS
n78	30	100	650000	135@67	DFT_QPSK	26.85	19	26	PASS
n78	30	100	650000	1@1	DFT_QPSK	26.42	19	26	PASS
n78	30	100	650000	1@271	DFT_QPSK	26.56	19	26	PASS



9.1 Tune up power

Mode	GSM900(AVG)	GSM1800(AVG)
GSM/PCS	32±1dBm	29.5±1dBm
GPRS (1 Slot)	32±1dBm	30±1dBm
GPRS (2 Slot)	31±1dBm	29±1dBm
GPRS (3 Slot)	29.5±1dBm	27.5±1dBm
GPRS (4 Slot)	28.5±1dBm	26±1dBm
EDGE (1 Slot)	26±1dBm	26.5±1dBm
EDGE (2 Slot)	25±1dBm	25.5±1dBm
EDGE (3 Slot)	23±1dBm	23±1dBm
EDGE (4 Slot)	22±1dBm	22±1dBm

Mode	WCDMA Band 1(AVG)	WCDMA Band 8(AVG)
RMC	23±1dBm	22±1dBm
HSDPA Subtest-1	22±1dBm	21.5±1dBm
HSDPA Subtest-2	21.5±1dBm	21±1dBm
HSDPA Subtest-3	20.5±1dBm	20±1dBm
HSDPA Subtest-4	20.5±1dBm	20±1dBm
HSUPA Subtest-1	21.5±1dBm	21±1dBm
HSUPA Subtest-2	22±1dBm	21±1dBm
HSUPA Subtest-3	20.5±1dBm	20±1dBm
HSUPA Subtest-4	22±1dBm	21±1dBm
HSUPA Subtest-5	21±1dBm	20.5±1dBm

BW[MHz]	Mode	Band 1	Band 3	Band 7	Band 8	Band 20	Band 28
1.4	QPSK	N/A	23±1dBm	N/A	22.5±1dBm	N/A	N/A
3	QPSK	N/A	N/A	N/A	N/A	N/A	22.5±1dBm
5	QPSK	23.5±1dBm	23±1dBm	23±1dBm	22.5±1dBm	22.5±1dBm	22.5±1dBm
10	QPSK	N/A	N/A	N/A	22.5±1dBm	N/A	N/A
20	QPSK	23.5±1dBm	23±1dBm	23±1dBm	N/A	22.5±1dBm	22.5±1dBm

BW[MHz]	Mode	N1	N3	N8	N20	N28
5	DFT_BPSK	22±1dBm	22.5±1dBm	23±1dBm	23±1dBm	23±1dBm
5	DFT_QPSK	22±1dBm	22.5±1dBm	23±1dBm	23±1dBm	23±1dBm
15	DFT_BPSK	22±1dBm	N/A	23±1dBm	23±1dBm	23±1dBm
15	DFT_QPSK	22±1dBm	N/A	23±1dBm	23±1dBm	23±1dBm
20	DFT_BPSK	22±1dBm	22.5±1dBm	23±1dBm	23±1dBm	23±1dBm
20	DFT_QPSK	22±1dBm	22.5±1dBm	23±1dBm	23±1dBm	23±1dBm
30	DFT_BPSK	N/A	22.5±1dBm	N/A	N/A	N/A



30	DFT_QPSK	N/A	22.5±1dBm	N/A	N/A	N/A
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BW[MHz]	Mode	N40	N77	N78
10	DFT_BPSK	23±1dBm	26.5±1dBm	N/A
10	DFT_QPSK	23±1dBm	26.5±1dBm	N/A
15	DFT_BPSK	N/A	N/A	N/A
15	DFT_QPSK	N/A	N/A	N/A
20	DFT_BPSK	N/A	N/A	26.5±1dBm
20	DFT_QPSK	N/A	N/A	26.5±1dBm
30	DFT_BPSK	23±1dBm	N/A	N/A
30	DFT_QPSK	23±1dBm	N/A	N/A
50	DFT_BPSK	N/A	26.5±1dBm	26.5±1dBm
50	DFT_QPSK	N/A	26.5±1dBm	26.5±1dBm
80	DFT_BPSK	23±1dBm	N/A	N/A
80	DFT_QPSK	23±1dBm	N/A	N/A
100	DFT_BPSK	N/A	26.5±1dBm	26.5±1dBm
100	DFT_QPSK	N/A	26.5±1dBm	26.5±1dBm

Mode	2.4G WLAN(AVG)		
	ANT 1	ANT 2	ANT 1+2
802.11b	12±1dBm	9.5±1dBm	N/A
802.11g	13±1dBm	10.5±1dBm	N/A
802.11n(HT 20)	10.5±1dBm	8±1dBm	13.5±1dBm

Mode	BT(AVG)
GFSK	3±1dBm
$\pi/4$ -DQPSK	2.5±1dBm
8DPSK	0±1dBm

Mode	BLE(AVG)
GFSK(1Mbps)	0.5±1dBm
GFSK(2Mbps)	0.5±1dBm

Mode	NFC
ASK	-41±1dBm



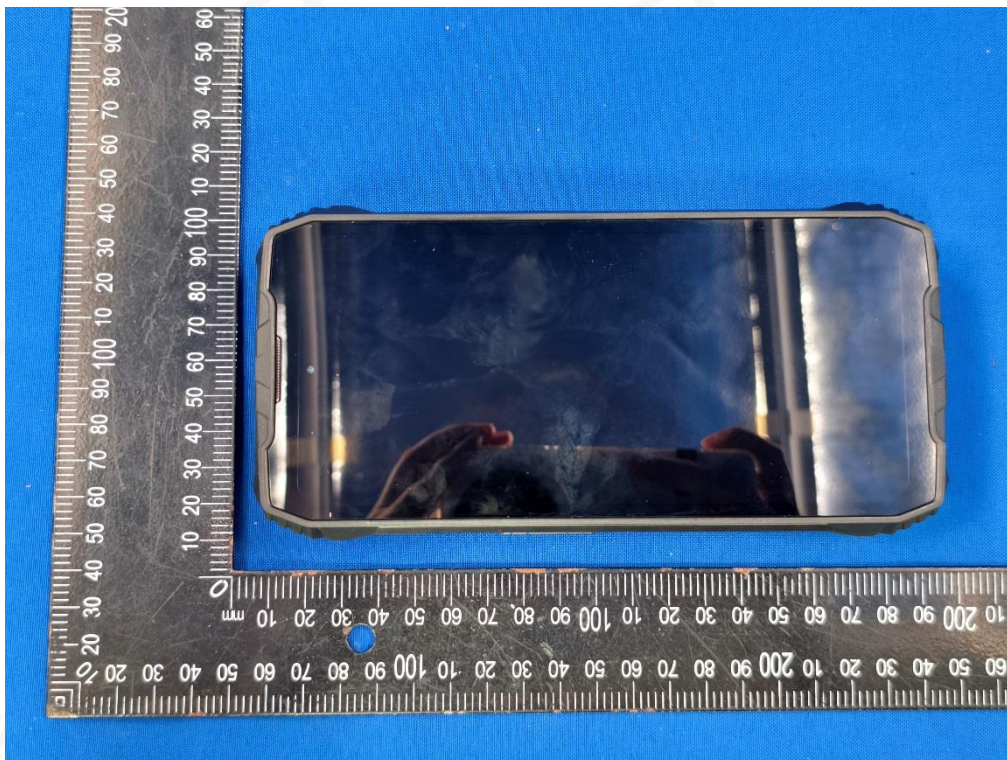
Mode	5.2G WLAN(AVG)		
	ANT 1	ANT 2	ANT 1+2
802.11a	11..5	10.5±1dBm	N/A
802.11n(HT20)	8±1dBm	10±1dBm	12.5±1dBm
802.11ac(VHT40)	7.5±1dBm	10±1dBm	12.5±1dBm
802.11ax(HE80)	7.5±1dBm	9.5±1dBm	12.5±1dBm

Mode	5.8G WLAN(AVG)		
	ANT 1	ANT 2	ANT 1+2
802.11a	9±1dBm	9.5±1dBm	N/A
802.11 n-HT20	N/A	N/A	10.5±1dBm
802.11 n-HT40	N/A	N/A	10±1dBm
802.11ac80	N/A	N/A	9.5±1dBm

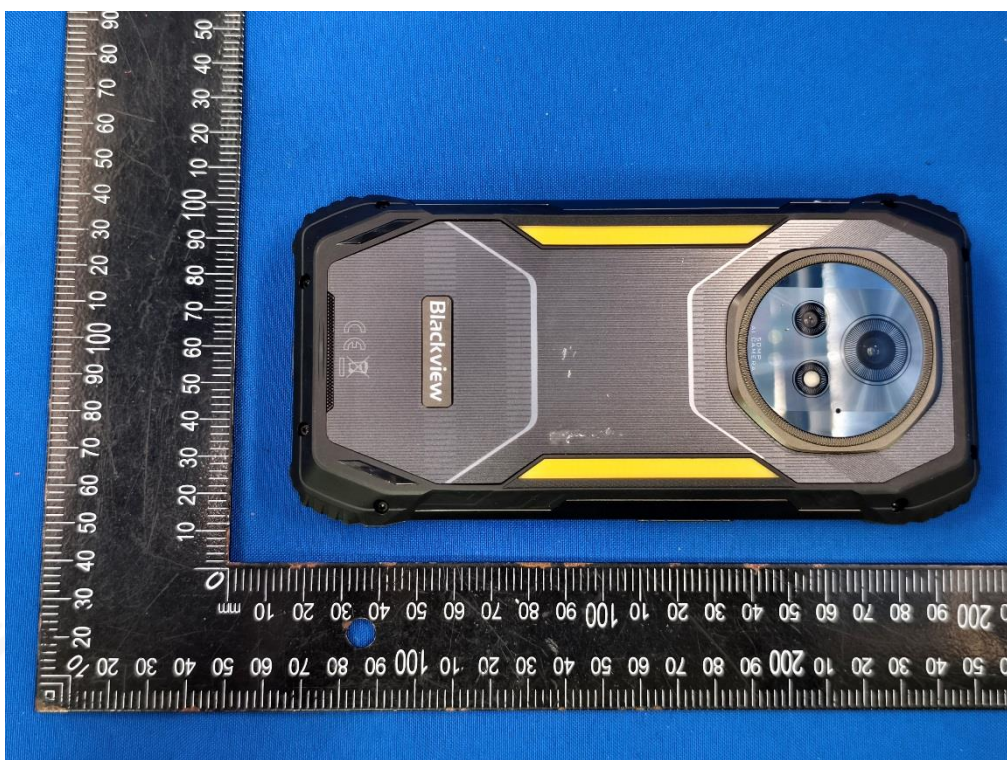
10. Test Photos and Results

10.1 EUT Photos

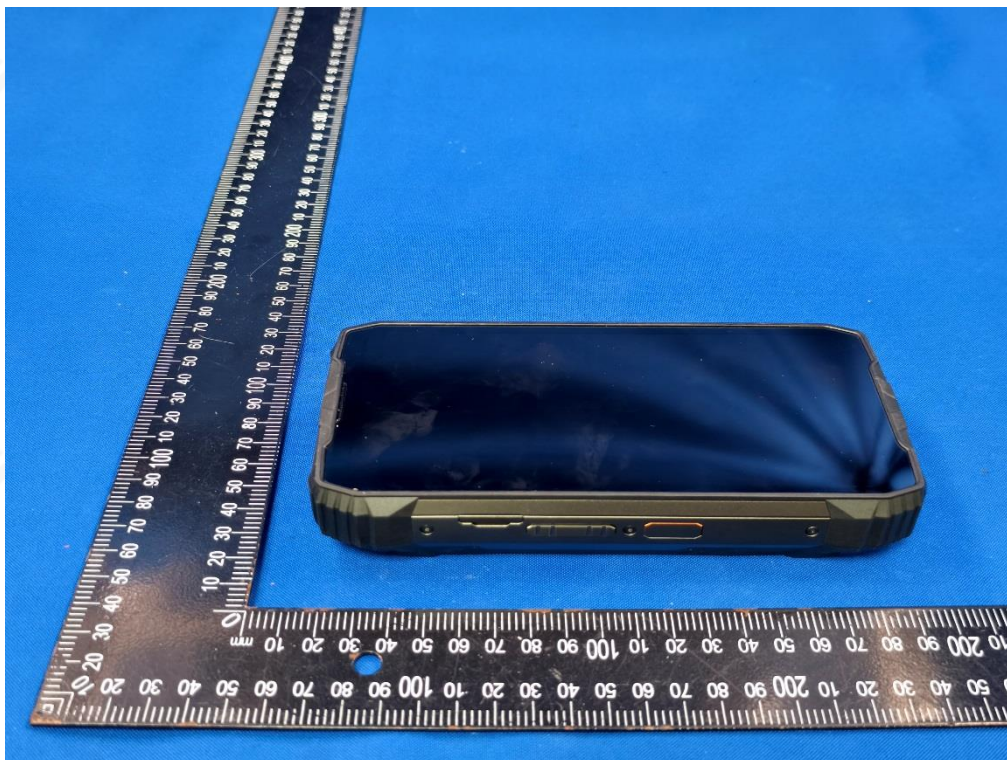
Front side



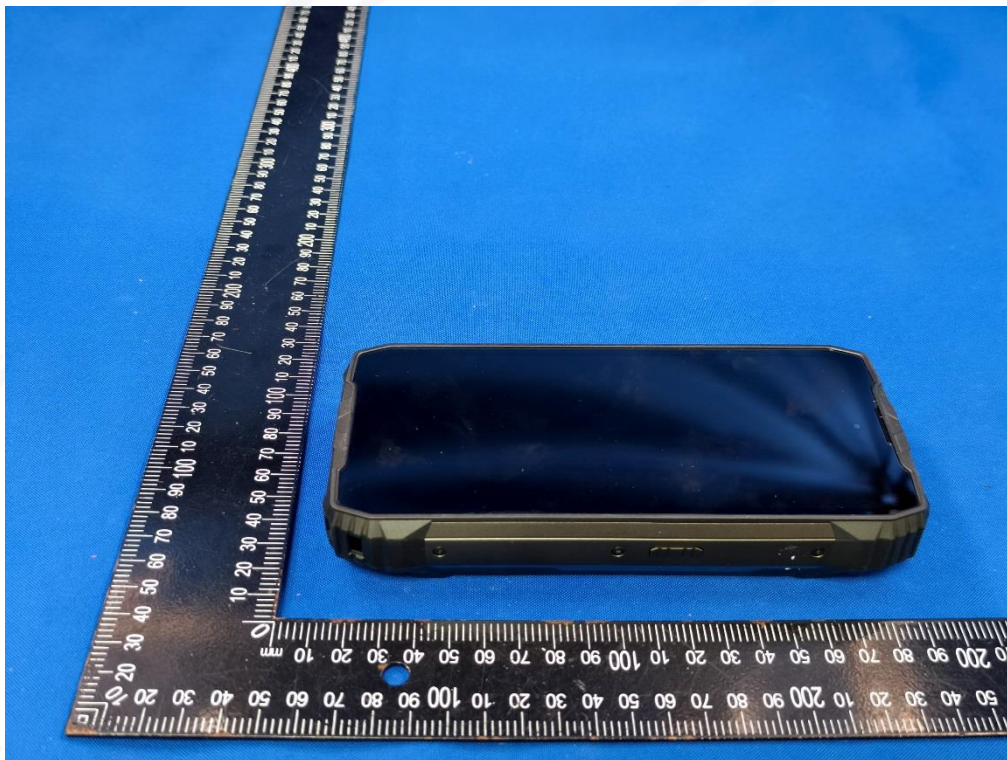
Back side



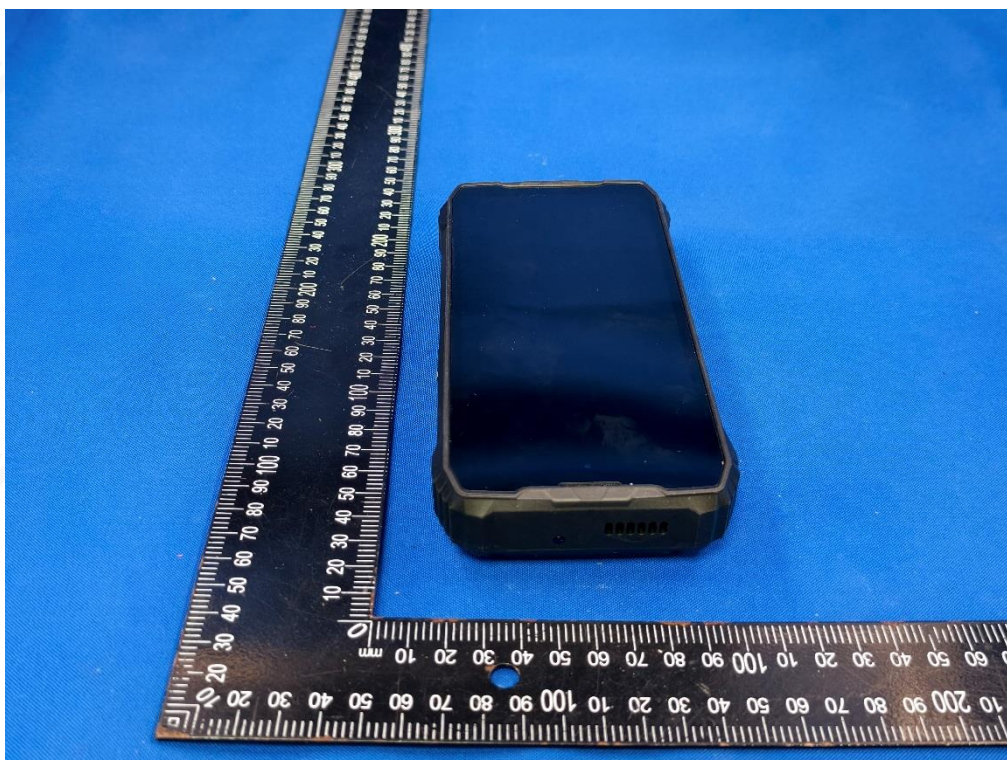
Left Edge



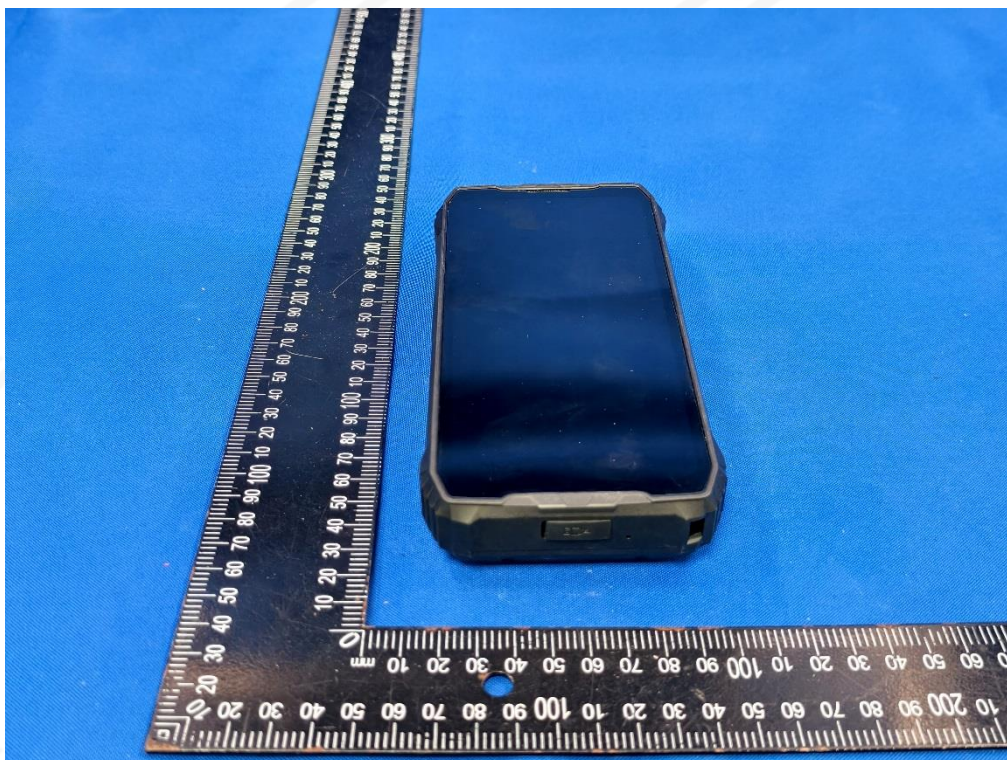
Right Edge



Top Edge



Bottom Edge

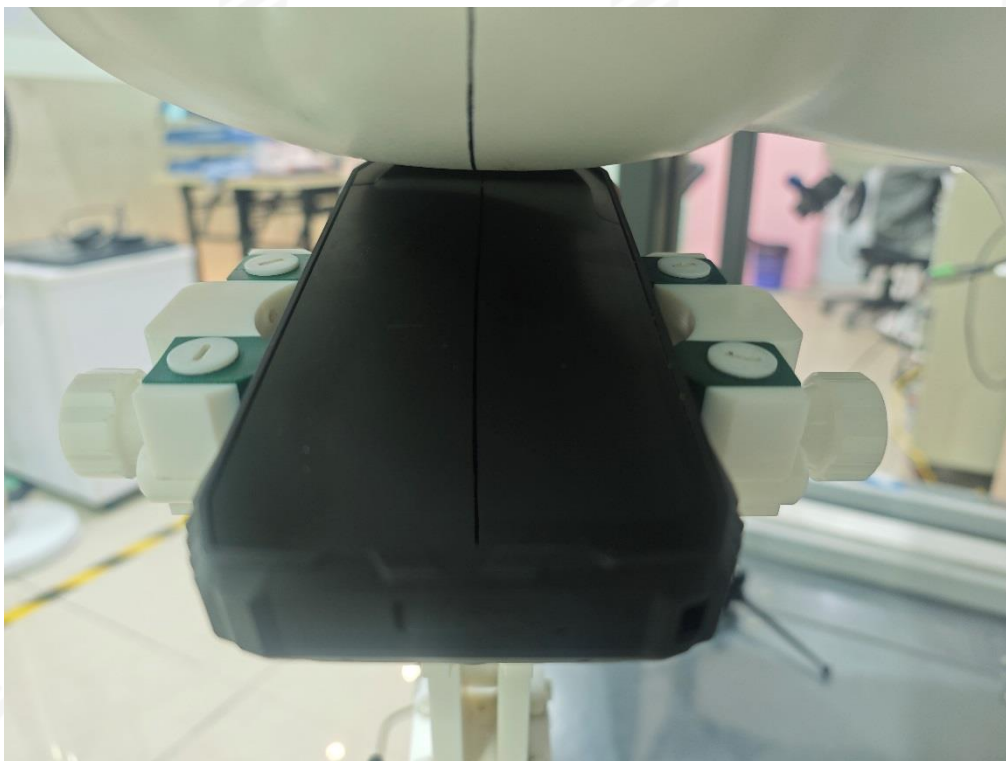


10.2 Setup Photos

Right Cheek



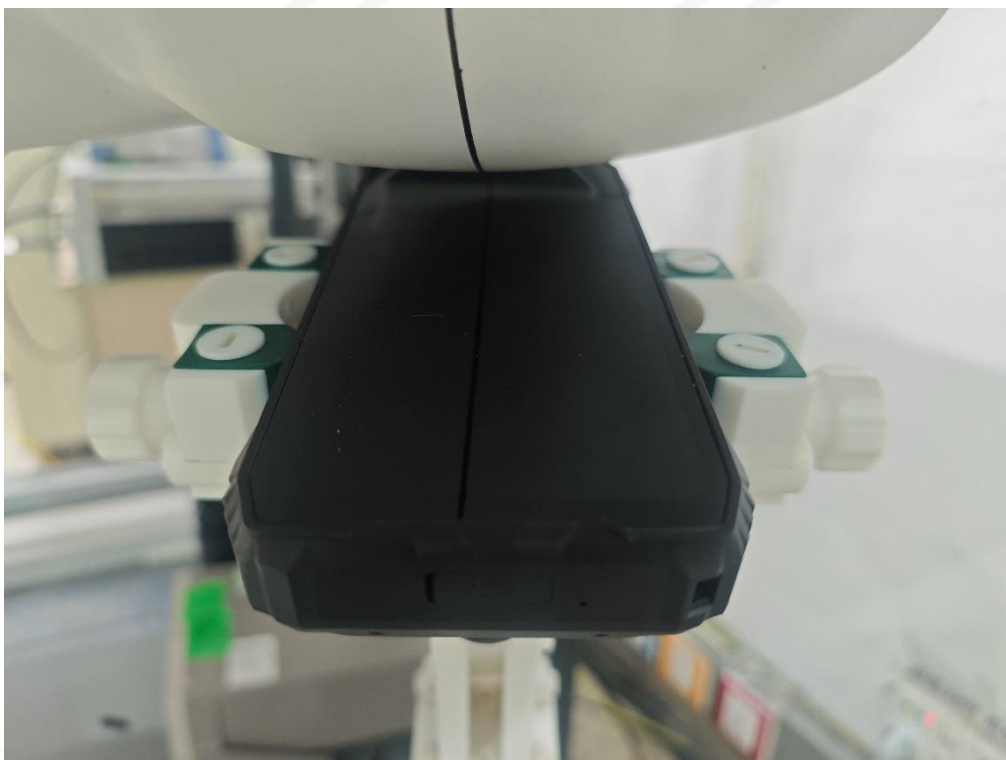
Right Tilt



Left Cheek



Left Tilt



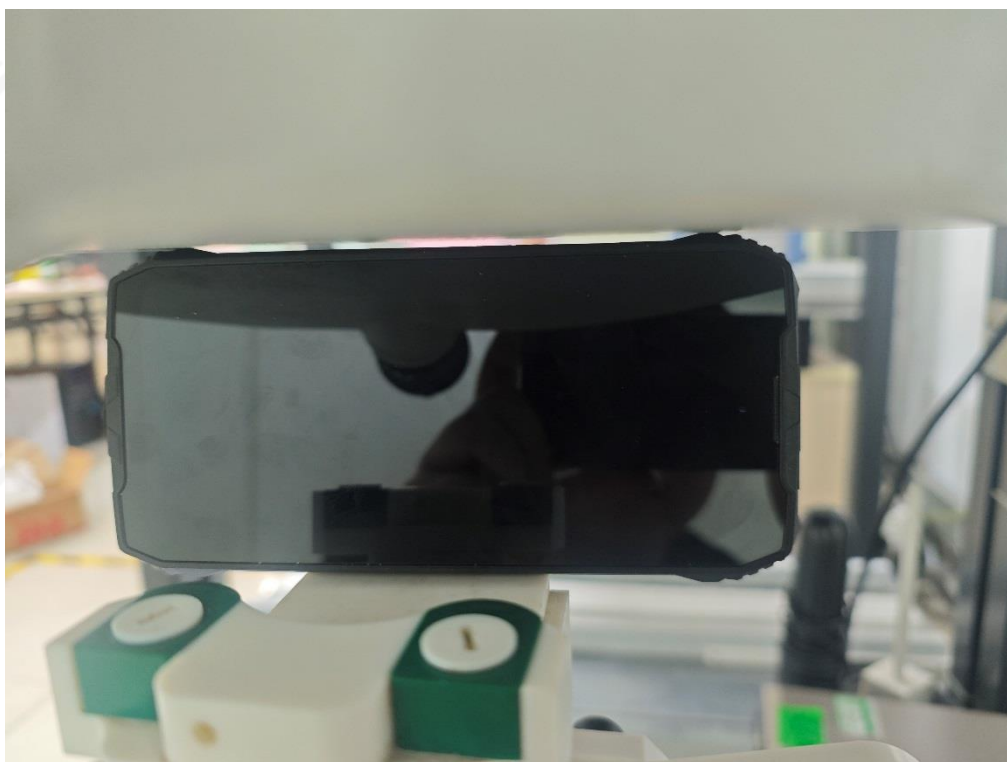
Front Side



Back Side



Left Edge



Right Edge



Top Edge

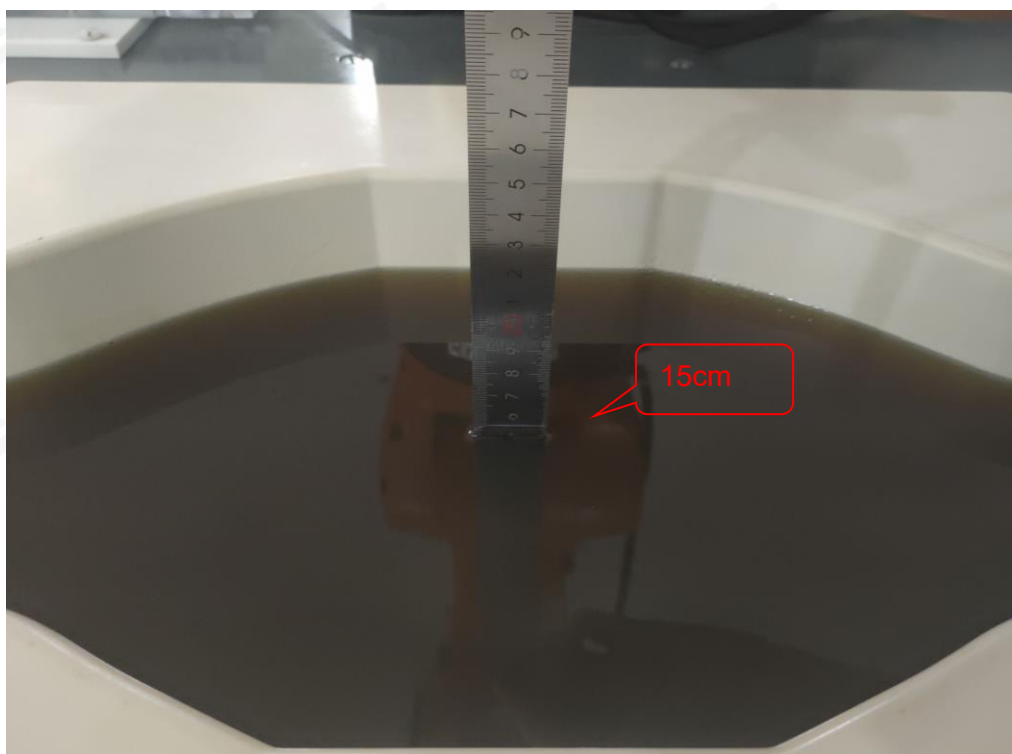


Bottom Edge





Liquid depth (15 cm)





11. SAR Result Summary

11.1 Head SAR

Band	Model	Test Position	Freq.	SAR (10g) (W/kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR (W/Kg)	Meas.No.
GSM900	Voice	Right Cheek	914.8	0.035	0.02	33.00	32.54	0.039	1
		Right Tilt	914.8	0.017	-1.38	33.00	32.54	0.019	/
		Left Cheek	914.8	0.030	2.90	33.00	32.54	0.033	/
		Left Tilt	914.8	0.015	-0.74	33.00	32.54	0.017	/
GSM1800	Voice	Right Cheek	1710.2	0.020	-1.61	30.50	30.41	0.020	3
		Right Tilt	1710.2	0.014	3.09	30.50	30.41	0.014	/
		Left Cheek	1710.2	0.018	0.60	30.50	30.41	0.018	/
		Left Tilt	1710.2	0.012	1.48	30.50	30.41	0.012	/
WCDMA Band I	RMC	Right Cheek	1950	0.028	-2.05	24.00	23.61	0.031	5
		Right Tilt	1950	0.016	-3.48	24.00	23.61	0.018	/
		Left Cheek	1950	0.024	-3.59	24.00	23.61	0.026	/
		Left Tilt	1950	0.015	3.86	24.00	23.61	0.016	/
WCDMA Band VIII	RMC	Right Cheek	882.4	0.063	0.00	23.00	22.95	0.064	7
		Right Tilt	882.4	0.038	-0.73	23.00	22.95	0.038	/
		Left Cheek	882.4	0.059	3.32	23.00	22.95	0.060	/
		Left Tilt	882.4	0.034	-3.12	23.00	22.95	0.034	/
LTE Band 1	20MHz BW, 1RB Offset 0	Right Cheek	1950	0.073	2.57	24.50	24.11	0.080	9
		Right Tilt	1950	0.041	3.38	24.50	24.11	0.045	/
		Left Cheek	1950	0.065	1.45	24.50	24.11	0.071	/
		Left Tilt	1950	0.038	-1.73	24.50	24.11	0.042	/
LTE Band 3	20MHz BW, 1RB Offset 0	Right Cheek	1747.5	0.076	2.66	24.00	23.64	0.083	11
		Right Tilt	1747.5	0.045	-1.26	24.00	23.64	0.049	/
		Left Cheek	1747.5	0.072	-0.36	24.00	23.64	0.078	/
		Left Tilt	1747.5	0.040	0.38	24.00	23.64	0.043	/
LTE Band 7	20MHz BW, 1RB Offset 0	Right Cheek	2560	0.038	-3.17	24.00	23.51	0.043	13
		Right Tilt	2560	0.024	3.11	24.00	23.51	0.027	/
		Left Cheek	2560	0.035	3.89	24.00	23.51	0.039	/
		Left Tilt	2560	0.021	-2.22	24.00	23.51	0.024	/
LTE Band 8	10MHz BW, 12RB Offset 0	Right Cheek	885	0.072	3.31	23.50	23.24	0.076	15
		Right Tilt	885	0.037	-1.15	23.50	23.24	0.039	/
		Left Cheek	885	0.068	0.18	23.50	23.24	0.072	/
		Left Tilt	885	0.032	1.33	23.50	23.24	0.034	/



LTE Band 20	20MHz BW, 1RB Offset 0	Right Cheek	847	0.086	2.69	23.50	23.31	0.090	17
		Right Tilt	847	0.045	1.30	23.50	23.31	0.047	/
		Left Cheek	847	0.072	-3.91	23.50	23.31	0.075	/
		Left Tilt	847	0.040	-0.99	23.50	23.31	0.042	/
LTE Band 28	20MHz BW, 1RB Offset 0	Right Cheek	728	0.056	1.85	23.50	23.25	0.059	19
		Right Tilt	728	0.039	-3.79	23.50	23.25	0.041	/
		Left Cheek	728	0.051	-3.09	23.50	23.25	0.054	/
		Left Tilt	728	0.032	2.95	23.50	23.25	0.034	/
SA N1	20MHz 50@25	Right Cheek	1930	0.033	2.15	23.00	22.90	0.034	21
		Right Tilt	1930	0.020	1.89	23.00	22.90	0.020	/
		Left Cheek	1930	0.031	0.09	23.00	22.90	0.032	/
		Left Tilt	1930	0.018	-1.81	23.00	22.90	0.018	/
SA N3	30MHz 80@40	Right Cheek	1747.5	0.027	3.11	23.50	23.00	0.030	23
		Right Tilt	1747.5	0.015	-0.89	23.50	23.00	0.017	/
		Left Cheek	1747.5	0.023	-0.38	23.50	23.00	0.026	/
		Left Tilt	1747.5	0.013	3.42	23.50	23.00	0.015	/
SA N8	20MHz 50@25	Right Cheek	897.5	0.041	2.67	24.00	23.64	0.045	25
		Right Tilt	897.5	0.018	-1.60	24.00	23.64	0.020	/
		Left Cheek	897.5	0.034	-2.72	24.00	23.64	0.037	/
		Left Tilt	897.5	0.017	0.61	24.00	23.64	0.018	/
SA N20	20MHz 50@25	Right Cheek	847	0.041	2.37	24.00	23.82	0.043	27
		Right Tilt	847	0.026	-3.57	24.00	23.82	0.027	/
		Left Cheek	847	0.038	3.02	24.00	23.82	0.040	/
		Left Tilt	847	0.021	0.12	24.00	23.82	0.022	/
SA N28	20MHz 50@25	Right Cheek	723	0.051	2.80	24.00	23.64	0.055	29
		Right Tilt	723	0.030	-0.68	24.00	23.64	0.033	/
		Left Cheek	723	0.045	1.49	24.00	23.64	0.049	/
		Left Tilt	723	0.028	3.15	24.00	23.64	0.030	/
SA N40	80MHz 1@215	Right Cheek	2350	0.041	2.36	23.50	23.42	0.042	31
		Right Tilt	2350	0.024	1.13	23.50	23.42	0.024	/
		Left Cheek	2350	0.037	-3.52	23.50	23.42	0.038	/
		Left Tilt	2350	0.023	0.67	23.50	23.42	0.023	/
SA N77	100MHz 135@67	Right Cheek	3750	0.061	0.72	27.00	26.84	0.063	33
		Right Tilt	3750	0.035	0.56	27.00	26.84	0.036	/
		Left Cheek	3750	0.058	0.44	27.00	26.84	0.060	/
		Left Tilt	3750	0.030	3.19	27.00	26.84	0.031	/



SA N78	100MHz 135@67	Right Cheek	3600	0.083	-0.89	27.00	26.93	0.084	35
		Right Tilt	3600	0.047	-3.28	27.00	26.93	0.048	/
		Left Cheek	3600	0.074	-2.23	27.00	26.93	0.075	/
		Left Tilt	3600	0.038	0.60	27.00	26.93	0.039	/
2.4GHz WLAN ANT 1	802.11g	Right Cheek	2472	0.043	3.49	14.00	13.51	0.048	37
		Right Tilt	2472	0.035	3.80	14.00	13.51	0.039	/
		Left Cheek	2472	0.039	2.96	14.00	13.51	0.044	/
		Left Tilt	2472	0.032	0.44	14.00	13.51	0.036	/
2.4GHz WLAN ANT 2	802.11g	Right Cheek	2472	0.040	-2.90	11.50	11.19	0.043	39
		Right Tilt	2472	0.031	-2.63	11.50	11.19	0.033	/
		Left Cheek	2472	0.034	1.91	11.50	11.19	0.037	/
		Left Tilt	2472	0.029	-2.92	11.50	11.19	0.031	/
2.4GHz WLAN MIMO ANT 1	802.11 n-HT20	Right Cheek	2472	0.025	-0.45	14.50	14.33	0.026	41
		Right Tilt	2472	0.017	-3.19	14.50	14.33	0.018	/
		Left Cheek	2472	0.023	-0.95	14.50	14.33	0.024	/
		Left Tilt	2472	0.016	-3.25	14.50	14.33	0.017	/
2.4GHz WLAN MIMO ANT 2	802.11 n-HT20	Right Cheek	2472	0.024	1.99	14.50	14.33	0.025	43
		Right Tilt	2472	0.018	-3.61	14.50	14.33	0.019	/
		Left Cheek	2472	0.023	3.43	14.50	14.33	0.024	/
		Left Tilt	2472	0.016	-1.30	14.50	14.33	0.017	/
5.2GHz WLAN ANT 1	802.11a	Right Cheek	5180	0.299	1.25	12.50	12.31	0.312	45
		Right Tilt	5180	0.214	-2.13	12.50	12.31	0.224	/
		Left Cheek	5180	0.287	0.21	12.50	12.31	0.300	/
		Left Tilt	5180	0.201	3.35	12.50	12.31	0.210	/
5.2GHz WLAN ANT 2	802.11a	Right Cheek	5180	0.292	-0.35	11.50	11.06	0.323	47
		Right Tilt	5180	0.241	-1.98	11.50	11.06	0.267	/
		Left Cheek	5180	0.286	3.09	11.50	11.06	0.316	/
		Left Tilt	5180	0.217	-2.66	11.50	11.06	0.240	/
5.2GHz WLAN MIMO ANT 1	802.11n(HT20)	Right Cheek	5180	0.156	-3.23	13.50	13.44	0.158	49
		Right Tilt	5180	0.124	-0.89	13.50	13.44	0.126	/
		Left Cheek	5180	0.139	-1.90	13.50	13.44	0.141	/
		Left Tilt	5180	0.114	0.57	13.50	13.44	0.116	/
5.2GHz WLAN MIMO ANT 2	802.11n(HT20)	Right Cheek	5180	0.195	-0.07	13.50	13.44	0.198	51
		Right Tilt	5180	0.174	1.09	13.50	13.44	0.176	/
		Left Cheek	5180	0.189	1.85	13.50	13.44	0.192	/
		Left Tilt	5180	0.162	2.12	13.50	13.44	0.164	/



Band	ANT	Max SAR	2.4G WLAN_ANT_A+B
		(W/Kg)	
2.4G WLAN_ANT_1+2	ANT 1	0.026	0.051
	ANT 2	0.025	
Band	ANT	Max SAR	5.2&5.3G WLAN_ANT_A+B
		(W/Kg)	
5.2G WLAN_ANT_1+2	ANT 1	0.158	0.356
	ANT 2	0.198	

Note:

1. The test separation of all above table is 0mm.
2. Two SIM card slot can't work at the same time.
3. When the 10g SAR is $\leq 1.0\text{W/kg}$, testing for low and high channel is optional.



11.2 Body&Limb SAR

Band	Model	Test Position	Freq.	SAR (10g) (W/kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR (W/Kg)	Meas.No.
GSM900	GPRS (GMSK, 4-Slot)	Front Side	880.2	0.144	3.62	29.50	29.06	0.159	/
		Back Side	880.2	0.196	0.25	29.50	29.06	0.217	2
		Left Edge	880.2	0.104	-2.83	29.50	29.06	0.115	/
		Right Edge	880.2	0.085	-3.49	29.50	29.06	0.094	/
		Top Edge	880.2	0.021	-2.04	29.50	29.06	0.023	/
		Bottom Edge	880.2	0.138	3.47	29.50	29.06	0.153	/
GSM1800	GPRS (GMSK, 4-Slot)	Front Side	1710.2	0.147	-2.94	27.00	26.90	0.150	/
		Back Side	1710.2	0.259	1.42	27.00	26.90	0.265	4
		Left Edge	1710.2	0.135	-1.39	27.00	26.90	0.138	/
		Right Edge	1710.2	0.087	2.13	27.00	26.90	0.089	/
		Top Edge	1710.2	0.141	3.57	27.00	26.90	0.144	/
		Bottom Edge	1710.2	0.039	3.81	27.00	26.90	0.040	/
WCDMA Band I	RMC	Front Side	1950	0.138	1.90	24.00	23.61	0.151	/
		Back Side	1950	0.238	-0.57	24.00	23.61	0.260	6
		Left Edge	1950	0.122	3.97	24.00	23.61	0.133	/
		Right Edge	1950	0.077	3.85	24.00	23.61	0.084	/
		Top Edge	1950	0.149	-2.85	24.00	23.61	0.163	/
		Bottom Edge	1950	0.034	-3.36	24.00	23.61	0.037	/
WCDMA Band VIII	RMC	Front Side	882.4	0.174	0.49	23.00	22.95	0.176	/
		Back Side	882.4	0.260	-2.12	23.00	22.95	0.263	8
		Left Edge	882.4	0.156	-3.39	23.00	22.95	0.158	/
		Right Edge	882.4	0.091	3.92	23.00	22.95	0.092	/
		Top Edge	882.4	0.166	3.17	23.00	22.95	0.168	/
		Bottom Edge	882.4	0.024	-2.45	23.00	22.95	0.024	/
LTE Band 1	20MHz BW, 1RB Offset 0	Front Side	1950	0.139	2.98	24.50	24.11	0.152	/
		Back Side	1950	0.216	1.05	24.50	24.11	0.236	10
		Left Edge	1950	0.100	1.73	24.50	24.11	0.109	/
		Right Edge	1950	0.071	-2.82	24.50	24.11	0.078	/
		Top Edge	1950	0.189	-3.40	24.50	24.11	0.207	/
		Bottom Edge	1950	0.033	2.74	24.50	24.11	0.036	/



LTE Band 3	20MHz BW, 1RB Offset 0	Front Side	1747.5	0.156	1.21	24.00	23.64	0.169	/
		Back Side	1747.5	0.237	-2.11	24.00	23.64	0.257	12
		Left Edge	1747.5	0.140	-2.84	24.00	23.64	0.152	/
		Right Edge	1747.5	0.121	-1.20	24.00	23.64	0.131	/
		Top Edge	1747.5	0.202	0.21	24.00	23.64	0.219	/
		Bottom Edge	1747.5	0.031	0.37	24.00	23.64	0.034	/
LTE Band 7	20MHz BW, 1RB Offset 0	Front Side	2560	0.129	0.60	24.00	23.51	0.144	/
		Back Side	2560	0.208	2.63	24.00	23.51	0.233	14
		Left Edge	2560	0.120	2.78	24.00	23.51	0.134	/
		Right Edge	2560	0.069	-3.71	24.00	23.51	0.077	/
		Top Edge	2560	0.172	-2.30	24.00	23.51	0.193	/
		Bottom Edge	2560	0.036	-2.57	24.00	23.51	0.040	/
LTE Band 8	20MHz BW, 12RB Offset 0	Front Side	885	0.179	-2.54	23.50	23.24	0.190	/
		Back Side	885	0.265	3.58	23.50	23.24	0.281	16
		Left Edge	885	0.148	1.84	23.50	23.24	0.157	/
		Right Edge	885	0.120	-0.09	23.50	23.24	0.127	/
		Top Edge	885	0.223	-0.57	23.50	23.24	0.237	/
		Bottom Edge	885	0.042	-1.08	23.50	23.24	0.045	/
LTE Band 20	20MHz BW, 1RB Offset 0	Front Side	847	0.232	-0.16	23.50	23.31	0.242	/
		Back Side	842	0.356	2.83	23.50	23.16	0.385	/
		Back Side	847	0.411	-0.04	23.50	23.31	0.429	18
		Back Side	852	0.343	2.05	23.50	23.23	0.365	/
		Left Edge	847	0.177	2.66	23.50	23.31	0.185	/
		Right Edge	847	0.162	-2.71	23.50	23.31	0.169	/
		Top Edge	847	0.025	1.81	23.50	23.31	0.026	/
		Bottom Edge	847	0.307	2.06	23.50	23.31	0.321	/
LTE Band 28	20MHz BW, 1RB Offset 0	Front Side	728	0.123	-0.62	23.50	23.25	0.130	/
		Back Side	728	0.231	0.09	23.50	23.25	0.245	20
		Left Edge	728	0.121	-1.01	23.50	23.25	0.128	/
		Right Edge	728	0.088	-0.71	23.50	23.25	0.093	/
		Top Edge	728	0.016	0.01	23.50	23.25	0.017	/
		Bottom Edge	728	0.152	-2.04	23.50	23.25	0.161	/
SA N1	20MHz 50@25	Front Side	1930	0.129	2.57	23.00	22.90	0.132	/
		Back Side	1930	0.213	-2.76	23.00	22.90	0.218	22
		Left Edge	1930	0.103	1.11	23.00	22.90	0.105	/
		Right Edge	1930	0.064	2.39	23.00	22.90	0.065	/
		Top Edge	1930	0.020	-3.50	23.00	22.90	0.020	/
		Bottom Edge	1930	0.139	-2.13	23.00	22.90	0.142	/



SA N3	30MHz 80@40	Front Side	1747.5	0.142	-0.41	23.50	23.00	0.159	/
		Back Side	1747.5	0.196	3.66	23.50	23.00	0.220	24
		Left Edge	1747.5	0.095	3.11	23.50	23.00	0.107	/
		Right Edge	1747.5	0.074	3.02	23.50	23.00	0.083	/
		Top Edge	1747.5	0.158	1.11	23.50	23.00	0.177	/
		Bottom Edge	1747.5	0.030	3.86	23.50	23.00	0.034	/
SA N8	20MHz 50@25	Front Side	897.5	0.123	1.25	24.00	23.64	0.134	/
		Back Side	897.5	0.204	2.27	24.00	23.64	0.222	26
		Left Edge	897.5	0.109	-2.39	24.00	23.64	0.118	/
		Right Edge	897.5	0.078	1.10	24.00	23.64	0.085	/
		Top Edge	897.5	0.021	-3.57	24.00	23.64	0.023	/
		Bottom Edge	897.5	0.151	-0.74	24.00	23.64	0.164	/
SA N20	20MHz 50@25	Front Side	847	0.109	1.01	24.00	23.82	0.114	/
		Back Side	847	0.188	1.94	24.00	23.82	0.196	28
		Left Edge	847	0.084	-0.91	24.00	23.82	0.088	/
		Right Edge	847	0.063	0.46	24.00	23.82	0.066	/
		Top Edge	847	0.018	-1.69	24.00	23.82	0.019	/
		Bottom Edge	847	0.092	3.57	24.00	23.82	0.096	/
SA N28	20MHz 50@25	Front Side	723	0.123	-2.30	24.00	23.64	0.134	/
		Back Side	723	0.178	-2.44	24.00	23.64	0.193	30
		Left Edge	723	0.112	-0.79	24.00	23.64	0.122	/
		Right Edge	723	0.069	-2.82	24.00	23.64	0.075	/
		Top Edge	723	0.017	-3.30	24.00	23.64	0.018	/
		Bottom Edge	723	0.139	0.94	24.00	23.64	0.151	/
SA N40	80MHz 1@215	Front Side	2350	0.228	-3.46	23.50	23.42	0.232	/
		Back Side	2350	0.345	2.23	23.50	23.42	0.351	32
		Left Edge	2350	0.156	-3.04	23.50	23.42	0.159	/
		Right Edge	2350	0.136	-1.77	23.50	23.42	0.139	/
		Top Edge	2350	0.284	0.95	23.50	23.42	0.289	/
		Bottom Edge	2350	0.039	0.96	23.50	23.42	0.040	/
SA N77	100MHz 135@67	Front Side	3750	0.120	1.23	27.00	26.84	0.125	/
		Back Side	3750	0.287	3.48	27.00	26.84	0.298	34
		Left Edge	3750	0.084	-1.85	27.00	26.84	0.087	/
		Right Edge	3750	0.065	-1.76	27.00	26.84	0.067	/
		Top Edge	3750	0.225	2.16	27.00	26.84	0.233	/
		Bottom Edge	3750	0.027	-0.75	27.00	26.84	0.028	/



SA N78	100MHz 135@67	Front Side	3600	0.147	3.89	27.00	26.93	0.149	/
		Back Side	3600	0.254	1.08	27.00	26.93	0.258	36
		Left Edge	3600	0.129	2.01	27.00	26.93	0.131	/
		Right Edge	3600	0.105	-2.25	27.00	26.93	0.107	/
		Top Edge	3600	0.182	-3.20	27.00	26.93	0.185	/
		Bottom Edge	3600	0.038	0.21	27.00	26.93	0.039	/
2.4GHz WLAN ANT 1	802.11g	Front Side	2472	0.020	-0.91	14.00	13.51	0.022	/
		Back Side	2472	0.047	-0.91	14.00	13.51	0.053	38
		Left Edge	2472	0.014	-0.91	14.00	13.51	0.016	/
		Right Edge	2472	0.019	-0.91	14.00	13.51	0.021	/
		Top Edge	2472	0.033	-0.91	14.00	13.51	0.037	/
		Bottom Edge	2472	0.008	-0.91	14.00	13.51	0.009	/
2.4GHz WLAN ANT 2	802.11g	Front Side	2472	0.028	3.39	11.50	11.19	0.030	/
		Back Side	2472	0.047	3.39	11.50	11.19	0.050	40
		Left Edge	2472	0.021	3.39	11.50	11.19	0.023	/
		Right Edge	2472	0.018	3.39	11.50	11.19	0.019	/
		Top Edge	2472	0.041	3.39	11.50	11.19	0.044	/
		Bottom Edge	2472	0.013	3.39	11.50	11.19	0.014	/
2.4GHz WLAN MIMO ANT 1	802.11 n-HT20	Front Side	2472	0.012	-3.74	14.50	14.33	0.012	/
		Back Side	2472	0.026	-0.28	14.50	14.33	0.027	42
		Left Edge	2472	0.014	2.53	14.50	14.33	0.015	/
		Right Edge	2472	0.019	2.37	14.50	14.33	0.020	/
		Top Edge	2472	0.010	-0.22	14.50	14.33	0.010	/
		Bottom Edge	2472	0.023	-0.36	14.50	14.33	0.024	/
2.4GHz WLAN MIMO ANT 2	802.11 n-HT20	Front Side	2472	0.017	2.39	14.50	14.33	0.018	/
		Back Side	2472	0.028	3.83	14.50	14.33	0.029	44
		Left Edge	2472	0.013	3.74	14.50	14.33	0.014	/
		Right Edge	2472	0.012	3.88	14.50	14.33	0.012	/
		Top Edge	2472	0.022	-3.37	14.50	14.33	0.023	/
		Bottom Edge	2472	0.005	-1.81	14.50	14.33	0.005	/
5.2GHz WLAN ANT 1	802.11a	Front Side	5180	0.031	-3.02	12.50	12.31	0.032	/
		Back Side	5180	0.041	2.82	12.50	12.31	0.043	46
		Left Edge	5180	0.028	2.37	12.50	12.31	0.029	/
		Right Edge	5180	0.024	2.08	12.50	12.31	0.025	/
		Top Edge	5180	0.032	1.07	12.50	12.31	0.033	/
		Bottom Edge	5180	0.010	3.13	12.50	12.31	0.010	/



5.2GHz WLAN ANT 2	802.11a	Front Side	5180	0.126	-4.00	11.50	11.06	0.139	/
		Back Side	5180	0.140	3.25	11.50	11.06	0.155	48
		Left Edge	5180	0.091	-3.21	11.50	11.06	0.101	/
		Right Edge	5180	0.088	3.67	11.50	11.06	0.097	/
		Top Edge	5180	0.113	-3.87	11.50	11.06	0.125	/
		Bottom Edge	5180	0.026	0.85	11.50	11.06	0.029	/
5.2GHz WLAN MIMO ANT 1	802.11n(HT20)	Front Side	5180	0.071	3.02	13.50	13.44	0.072	/
		Back Side	5180	0.093	-3.93	13.50	13.44	0.094	50
		Left Edge	5180	0.062	-2.61	13.50	13.44	0.063	/
		Right Edge	5180	0.051	-1.28	13.50	13.44	0.052	/
		Top Edge	5180	0.063	3.78	13.50	13.44	0.064	/
		Bottom Edge	5180	0.021	1.06	13.50	13.44	0.021	/
5.2GHz WLAN MIMO ANT 2	802.11n(HT20)	Front Side	5180	0.084	3.38	13.50	13.44	0.085	/
		Back Side	5180	0.096	-0.39	13.50	13.44	0.097	52
		Left Edge	5180	0.069	-0.48	13.50	13.44	0.070	/
		Right Edge	5180	0.056	-1.18	13.50	13.44	0.057	/
		Top Edge	5180	0.060	0.56	13.50	13.44	0.061	/
		Bottom Edge	5180	0.021	-3.91	13.50	13.44	0.021	/

Band	ANT	Max SAR	2.4G WLAN_ANT_A+B
		(W/Kg)	
2.4G WLAN_ANT_1+2	ANT 1	0.027	0.056
	ANT 2	0.029	
Band	ANT	Max SAR	5.2&5.3G WLAN_ANT_A+B
		(W/Kg)	
5.2G WLAN_ANT_1+2	ANT 1	0.094	0.191
	ANT 2	0.097	

Note:

1. The test separation of all above table is 0mm.
2. Two SIM card slot can't work at the same time.
3. When the 10g SAR is $\leq 1.0W/kg$, testing for low and high channel is optional.



11.3 Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

Position	Simultaneous State
Head	1.GSM+ 2.4G/5G WIFI
	2.GSM+Bluetooth
	3.WCDMA+ 2.4G/5G WIFI
	4.WCDMA+Bluetooth
	5.LTE+ 2.4G/5G WIFI
	6.LTE+Bluetooth
	7.SA+ 2.4G/5G WIFI
	8.SA+Bluetooth
	9.NSA+ 2.4G/5G WIFI
	10.NSA+Bluetooth
Body&Limb	1.GSM+ 2.4G/5G WIFI
	2.GSM+Bluetooth
	3.WCDMA+ 2.4G/5G WIFI
	4.WCDMA+Bluetooth
	5.LTE+ 2.4G/5G WIFI
	6.LTE+Bluetooth
	7.SA+ 2.4G/5G WIFI
	8.SA+Bluetooth
	9.NSA+ 2.4G/5G WIFI
	10.NSA+Bluetooth

Note:

1. The Bluetooth and WLAN can't simultaneous transmission at the same time.
2. The 2.4GHz WLAN and 5GHz WLAN can't simultaneous transmission at the same time.
3. For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.
4. The reported SAR summation is calculated based on the same configuration and test position.
5. DUT will choose either 2G/3G/4G/5G according to the network signal condition, therefore, 2G/3G/4G/5G will not transmit simultaneously.
6. Per EN IEC/IEEE 62209-1528 section 7.9.3.5, Test reduction based on simultaneous multi-band transmission considerations.

For secondary transmitter (i.e. lower power transmitters), we use the following Formula to evaluate the threshold power for the secondary transmitter that allows it to be excluded from SAR testing:

$$P_{\text{available}} = P_{\text{th},m} * (SAR_{\text{lim}} - SAR_1) / SAR_{\text{lim}}$$

where:

$P_{\text{th},m}$ is the threshold exclusion power level taken from Annex B of IEC 62479 for the frequency of the secondary transmitter at the separation distance used in the testing.

If the output power of the secondary transmitter is less than $P_{\text{available}}$, SAR measurement for the secondary transmitter is not necessary.



Simultaneous Mode	Position	SAR ₁	Secondary transmitter Maximum Average Power		Separation distance	P _{available}	Result
		10g(W/Kg)	dBm	mW	(mm)	mW	
GSM + 2.4GWLAN ANT 1	Head	0.039	13.00	19.953	≤5	19.610	Yes
	Body	0.265			≤5	17.350	Yes
WCDMA + 2.4GWLAN ANT 1	Head	0.064			≤5	19.360	Yes
	Body	0.263			≤5	17.370	Yes
LTE + 2.4GWLAN ANT 1	Head	0.090			≤5	19.100	No
	Body	0.429			≤5	15.710	No
SA + 2.4GWLAN ANT 1	Head	0.084			≤5	19.160	Yes
	Body	0.351			≤5	16.490	Yes
GSM + 5.2GWLAN ANT 1	Head	0.039	12.50	17.783	≤5	19.610	No
	Body	0.265			≤5	17.350	Yes
WCDMA + 5.2GWLAN ANT 1	Head	0.064			≤5	19.360	No
	Body	0.263			≤5	17.370	Yes
LTE + 5.2GWLAN ANT 1	Head	0.090			≤5	19.100	No
	Body	0.429			≤5	15.710	No
SA + 5.2GWLAN ANT 1	Head	0.084			≤5	19.160	No
	Body	0.351			≤5	16.490	Yes
GSM + 5.8GWLAN ANT 1	Head	0.039	10.00	10.000	≤5	19.610	No
	Body	0.265			≤5	17.350	No
WCDMA + 5.8GWLAN ANT 1	Head	0.064			≤5	19.360	No
	Body	0.263			≤5	17.370	No
LTE + 5.8GWLAN ANT 1	Head	0.090			≤5	19.100	No
	Body	0.429			≤5	15.710	No
SA + 5.8GWLAN ANT 1	Head	0.084			≤5	19.160	No
	Body	0.351			≤5	16.490	No
GSM + BT	Head	0.039	4.00	2.512	≤5	19.610	No
	Body	0.265			≤5	17.350	No
WCDMA + BT	Head	0.064			≤5	19.360	No
	Body	0.263			≤5	17.370	No
LTE + BT	Head	0.090			≤5	19.100	No
	Body	0.429			≤5	15.710	No
SA + BT	Head	0.084			≤5	19.160	No
	Body	0.351			≤5	16.490	No



Simultaneous Mode	Position	SAR ₁	Secondary transmitter Maximum Average Power		Separation distance	$P_{available}$	Result
		10g(W/Kg)	dBm	mW	(mm)	mW	
GSM + 2.4GWLAN ANT 2	Head	0.039	10.50	11.220	≤5	19.610	No
	Body	0.265			≤5	17.350	No
WCDMA + 2.4GWLAN ANT 2	Head	0.064			≤5	19.360	No
	Body	0.263			≤5	17.370	No
LTE + 2.4GWLAN ANT 2	Head	0.090			≤5	19.100	No
	Body	0.429			≤5	15.710	No
SA + 2.4GWLAN ANT 2	Head	0.084			≤5	19.160	No
	Body	0.351			≤5	16.490	No
GSM + 5.2GWLAN ANT 2	Head	0.039	11.50	14.125	≤5	19.610	No
	Body	0.265			≤5	17.350	No
WCDMA + 5.2GWLAN ANT 2	Head	0.064			≤5	19.360	No
	Body	0.263			≤5	17.370	No
LTE + 5.2GWLAN ANT 2	Head	0.090			≤5	19.100	No
	Body	0.429			≤5	15.710	No
SA + 5.2GWLAN ANT 2	Head	0.084			≤5	19.160	No
	Body	0.351			≤5	16.490	No
GSM + 5.8GWLAN ANT 2	Head	0.039	10.50	11.220	≤5	19.610	No
	Body	0.265			≤5	17.350	No
WCDMA + 5.8GWLAN ANT 2	Head	0.064			≤5	19.360	No
	Body	0.263			≤5	17.370	No
LTE + 5.8GWLAN ANT 2	Head	0.090			≤5	19.100	No
	Body	0.429			≤5	15.710	No
SA + 5.8GWLAN ANT 2	Head	0.084			≤5	19.160	No
	Body	0.351			≤5	16.490	No



Simultaneous Mode	Position	SAR ₁	Secondary transmitter Maximum Average Power		Separation distance	P _{available}	Result
		10g(W/Kg)	dBm	mW	(mm)	mW	
GSM + 2.4GWLAN MMO	Head	0.039	14.50	28.184	≤5	19.610	Yes
	Body	0.265			≤5	17.350	Yes
WCDMA + 2.4GWLAN MMO	Head	0.064			≤5	19.360	Yes
	Body	0.263			≤5	17.370	Yes
LTE + 2.4GWLAN MMO	Head	0.090			≤5	19.100	No
	Body	0.429			≤5	15.710	No
SA + 2.4GWLAN MMO	Head	0.084			≤5	19.160	Yes
	Body	0.351			≤5	16.490	Yes
GSM + 5.2GWLAN MMO	Head	0.039	13.50	22.387	≤5	19.610	Yes
	Body	0.265			≤5	17.350	Yes
WCDMA + 5.2GWLAN MMO	Head	0.064			≤5	19.360	Yes
	Body	0.263			≤5	17.370	Yes
LTE + 5.2GWLAN MMO	Head	0.090			≤5	19.100	No
	Body	0.429			≤5	15.710	No
SA + 5.2GWLAN MMO	Head	0.084			≤5	19.160	Yes
	Body	0.351			≤5	16.490	Yes
GSM + 5.8GWLAN MMO	Head	0.039	11.50	14.125	≤5	19.610	No
	Body	0.265			≤5	17.350	No
WCDMA + 5.8GWLAN MMO	Head	0.064			≤5	19.360	No
	Body	0.263			≤5	17.370	No
LTE + 5.8GWLAN MMO	Head	0.090			≤5	19.100	No
	Body	0.429			≤5	15.710	No
SA + 5.8GWLAN MMO	Head	0.084			≤5	19.160	No
	Body	0.351			≤5	16.490	No

Note:

The "No" is means that SAR measurement for the secondary transmitter is not necessary.

The "Yes" is means that SAR measurement for the secondary transmitter is necessary.



Simultaneous Mode	Position	Mode	Max. 10-g SAR W/Kg	10-g Sum SAR W/Kg
GSM + 2.4GHz WLAN ANT 1	Head	GSM	0.039	0.087
		2.4GHz WLAN	0.048	
	Body	GSM	0.265	0.318
		2.4GHz WLAN	0.053	
WCDMA + 2.4GHz WLAN ANT 1	Head	WCDMA	0.064	0.112
		2.4GHz WLAN	0.048	
	Body	WCDMA	0.263	0.316
		2.4GHz WLAN	0.053	
LTE + 2.4GHz WLAN ANT 1	Head	LTE	0.090	0.138
		2.4GHz WLAN	0.048	
	Body	LTE	0.429	0.482
		2.4GHz WLAN	0.053	
SA + 2.4GHz WLAN ANT 1	Head	SA	0.084	0.132
		2.4GHz WLAN	0.048	
	Body	SA	0.351	0.404
		2.4GHz WLAN	0.053	
GSM + 5.2GWLAN ANT 1	Head	GSM	0.039	0.351
		5.2GHz WLAN	0.312	
	Body	GSM	0.265	0.308
		5.2GHz WLAN	0.043	
WCDMA + 5.2GWLAN ANT 1	Head	WCDMA	0.064	0.376
		5.2GHz WLAN	0.312	
	Body	WCDMA	0.263	0.306
		5.2GHz WLAN	0.043	
LTE + 5.2GWLAN ANT 1	Head	LTE	0.090	0.402
		5.2GHz WLAN	0.312	
	Body	LTE	0.429	0.472
		5.2GHz WLAN	0.043	
SA + 5.2GWLAN ANT 1	Head	SA	0.084	0.396
		5.2GHz WLAN	0.312	
	Body	SA	0.351	0.394
		5.2GHz WLAN	0.043	





Simultaneous Mode	Position	Mode	Max. 10-g SAR W/Kg	10-g Sum SAR W/Kg
GSM + 2.4GHz WLAN ANT 2	Head	GSM	0.039	0.082
		2.4GHz WLAN	0.043	
	Body	GSM	0.265	0.315
		2.4GHz WLAN	0.050	
WCDMA + 2.4GHz WLAN ANT 2	Head	WCDMA	0.064	0.107
		2.4GHz WLAN	0.043	
	Body	WCDMA	0.263	0.313
		2.4GHz WLAN	0.050	
LTE + 2.4GHz WLAN ANT 2	Head	LTE	0.090	0.133
		2.4GHz WLAN	0.043	
	Body	LTE	0.429	0.479
		2.4GHz WLAN	0.050	
SA + 2.4GHz WLAN ANT 2	Head	SA	0.084	0.127
		2.4GHz WLAN	0.043	
	Body	SA	0.351	0.401
		2.4GHz WLAN	0.050	
GSM + 5.2GWLAN ANT 2	Head	GSM	0.039	0.362
		5.2GHz WLAN	0.323	
	Body	GSM	0.265	0.420
		5.2GHz WLAN	0.155	
WCDMA + 5.2GWLAN ANT 2	Head	WCDMA	0.064	0.387
		5.2GHz WLAN	0.323	
	Body	WCDMA	0.263	0.418
		5.2GHz WLAN	0.155	
LTE + 5.2GWLAN ANT 2	Head	LTE	0.090	0.413
		5.2GHz WLAN	0.323	
	Body	LTE	0.429	0.584
		5.2GHz WLAN	0.155	
SA + 5.2GWLAN ANT 2	Head	SA	0.084	0.407
		5.2GHz WLAN	0.323	
	Body	SA	0.351	0.506
		5.2GHz WLAN	0.155	



Simultaneous Mode	Position	Mode	Max. 10-g SAR W/Kg	10-g Sum SAR W/Kg
GSM + 2.4GHz WLAN MMO	Head	GSM	0.039	0.090
		2.4GHz WLAN	0.051	
	Body	GSM	0.265	0.321
		2.4GHz WLAN	0.056	
WCDMA + 2.4GHz WLAN MMO	Head	WCDMA	0.064	0.115
		2.4GHz WLAN	0.051	
	Body	WCDMA	0.263	0.319
		2.4GHz WLAN	0.056	
LTE + 2.4GHz WLAN MMO	Head	LTE	0.090	0.141
		2.4GHz WLAN	0.051	
	Body	LTE	0.429	0.485
		2.4GHz WLAN	0.056	
SA + 2.4GHz WLAN MMO	Head	SA	0.084	0.135
		2.4GHz WLAN	0.051	
	Body	SA	0.351	0.407
		2.4GHz WLAN	0.056	
GSM + 5.2GWLAN MMO	Head	GSM	0.039	0.395
		5.2GHz WLAN	0.356	
	Body	GSM	0.265	0.456
		5.2GHz WLAN	0.191	
WCDMA + 5.2GWLAN MMO	Head	WCDMA	0.064	0.420
		5.2GHz WLAN	0.356	
	Body	WCDMA	0.263	0.454
		5.2GHz WLAN	0.191	
LTE + 5.2GWLAN MMO	Head	LTE	0.090	0.446
		5.2GHz WLAN	0.356	
	Body	LTE	0.429	0.620
		5.2GHz WLAN	0.191	
SA + 5.2GWLAN MMO	Head	SA	0.084	0.440
		5.2GHz WLAN	0.356	
	Body	SA	0.351	0.542
		5.2GHz WLAN	0.191	

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.



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
900MHz Dipole	MVG	SID900	5023-DIP0G900-746	2023.12.20	2026.12.19
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
2450MHzDipole	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
3500MHz Dipole	MVG	SID3500	SN 08/21 DIP3G 500-553	2024-02-14	2027-02-13
3700MHz Dipole	MVG	SID3700	SN 08/21 DIP3G 700-554	2024-02-14	2027-02-13
Waveguide	MVG	SWG5500	SN 13/14 WGA32	2023.07.04	2026.07.03
E-Field Probe	MVG	SSE2	SN 08/21 EPOG352	2024.09.18	2025.09.17
Dielectric Probe Kit	MVG	SCLMP	SN 32/14 OCPG67	2024.09.18	2025.09.17
Antenna	MVG	ANTA3	SN 07/13 ZNTA52	N/A	N/A
Phantom1	MVG	SAM	SN 32/14 SAM115	N/A	N/A
Phantom3	MVG	SAM	SN 21/21 ELLI48	N/A	N/A
Phone holder	MVG	N/A	SN 32/14 MSH97	N/A	N/A
Laptop holder	MVG	N/A	SN 32/14 LSH29	N/A	N/A
Attenuator	Agilent	HXT-10-8-SMA	240327017	2025-02-22	2026-02-21
Directional coupler	Xi'an Xingbo	XBOH-OA08-20dB	211123-4-3	2025-02-22	2026-02-21
Network Analyzer	Agilent	E5071C	MY46520378	2024-09-25	2025-09-26
Multi Meter	Keithley	Multi Meter 2000	4050073	2024-09-25	2025-09-26
Signal Generator	Agilent	N5182A	MY50140530	2024-09-25	2025-09-26
Wireless Communication Test Set	Agilent	8960-E5515C	MY48360751	2025-02-22	2026-02-21
Wireless Communication Test Set	R&S	CMW500	156324	2024-09-25	2025-09-26
Power Amplifier	DESAY	ZHL-42W	9638	2024-09-25	2025-09-26
Power Meter	R&S	NRP	100510	2024-09-25	2025-09-26
Power Sensor	R&S	NRP-Z11	101919	2024-09-25	2025-09-26
Power Sensor	Keysight	U2021XA	MY56280002	2024-09-25	2025-09-26
Temperature hygrometer	SuWei	SW-108	N/A	2024.10.15	2025.10.14
Thermograph	Elitech	RC-4	S/N EF7176501537	2024.10.15	2025.10.14



Appendix A. System Validation Plots

System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

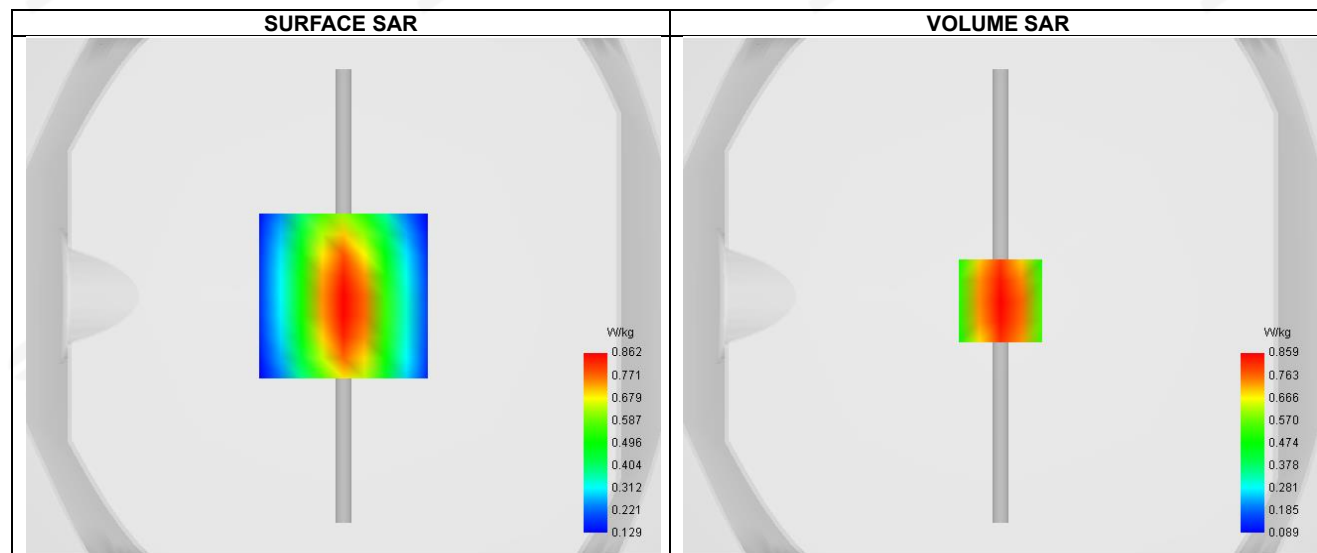
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-07-24

Experimental conditions.

Phantom	Validation plane
Device Position	-
Band	750MHz
Channels	-
Signal	CW
Frequency (MHz)	750MHz
Relative permittivity	42.43
Conductivity (S/m)	0.92
Probe	SN 08/21 EPGO352
ConvF	1.56
Crest factor:	1:1



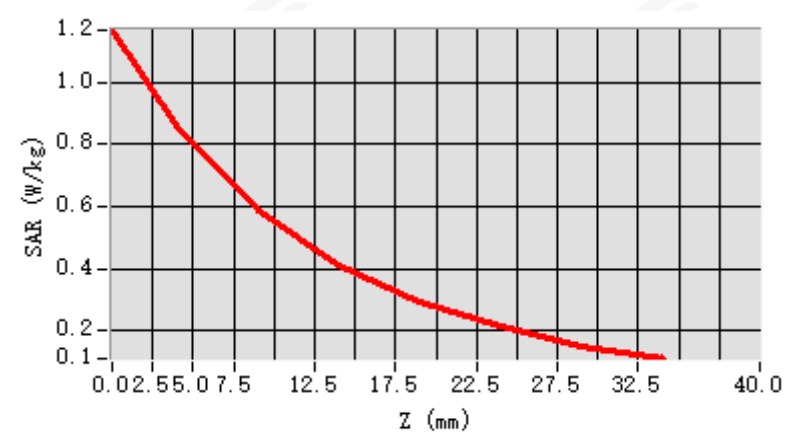
Maximum location: X=0.00, Y=-2.00 ; SAR Peak: 1.17 W/kg

D. SAR 1g & 10g

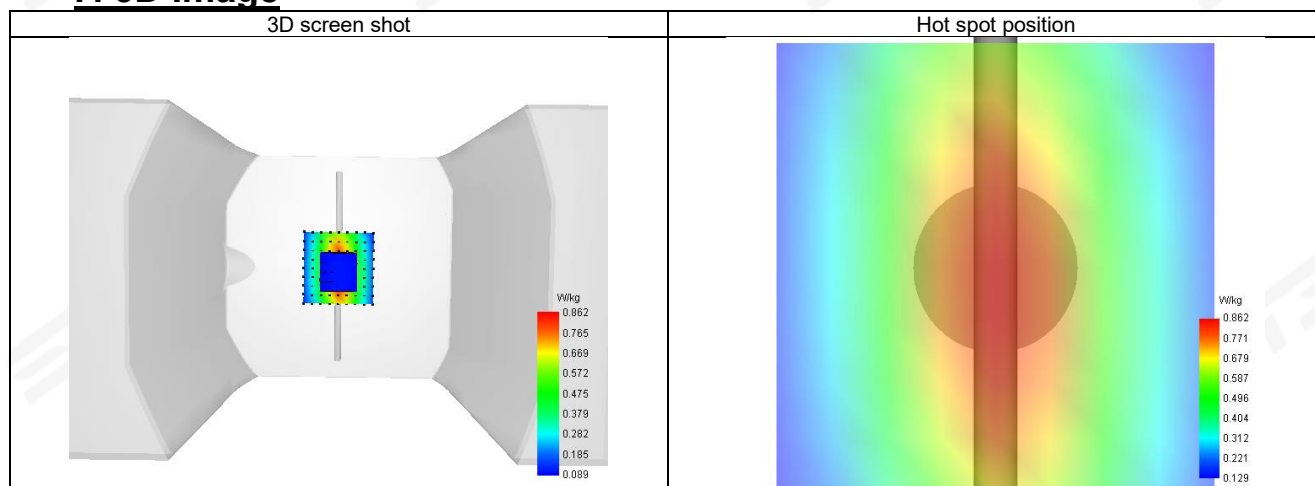
SAR 10g (W/Kg)	0.534
SAR 1g (W/Kg)	0.900
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	68.521010

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.168	0.859	0.589	0.414	0.294	0.213	0.153



F. 3D Image





System Performance Check Data (900MHz)

Type: Phone measurement (Complete)

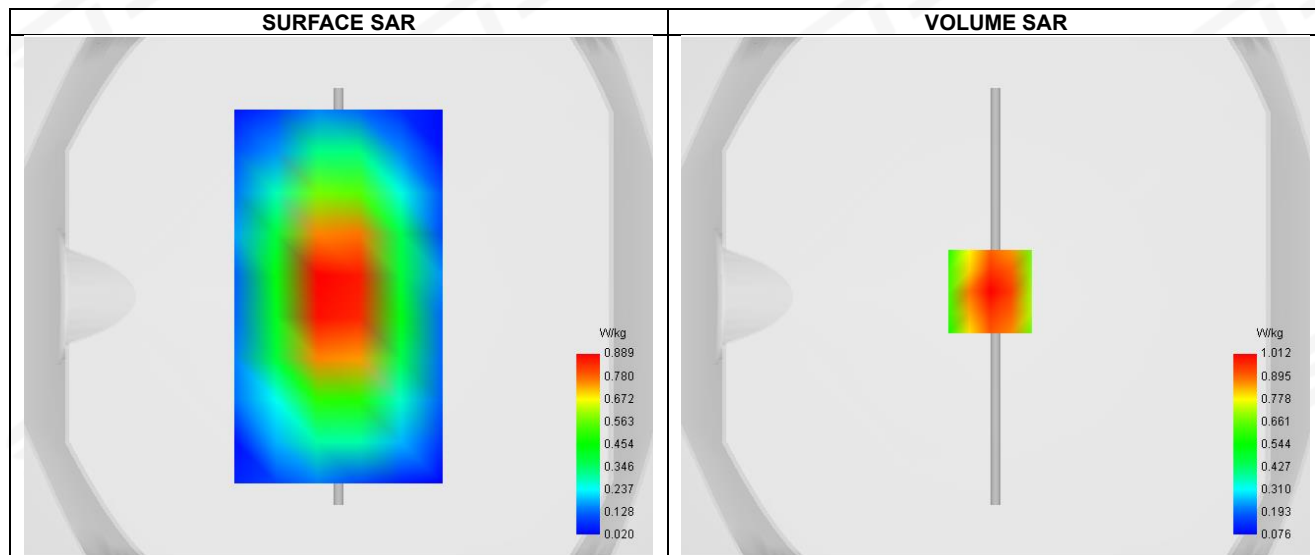
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-07-25

Experimental conditions.

Phantom	Validation plane
Device Position	-
Band	900MHz
Channels	-
Signal	CW
Frequency (MHz)	900MHz
Relative permittivity	41.59
Conductivity (S/m)	0.98
Probe	SN 08/21 EPGO352
ConvF	1.48
Crest factor:	1:1



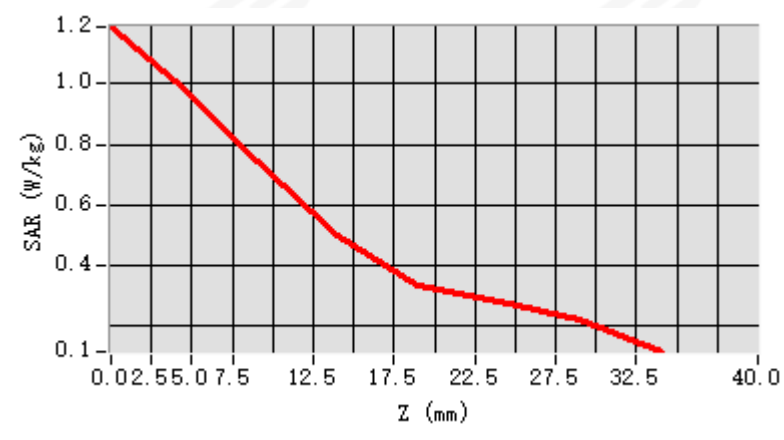
Maximum location: X=-2.00, Y=2.00 ; SAR Peak: 1.37 W/kg

D. SAR 1g & 10g

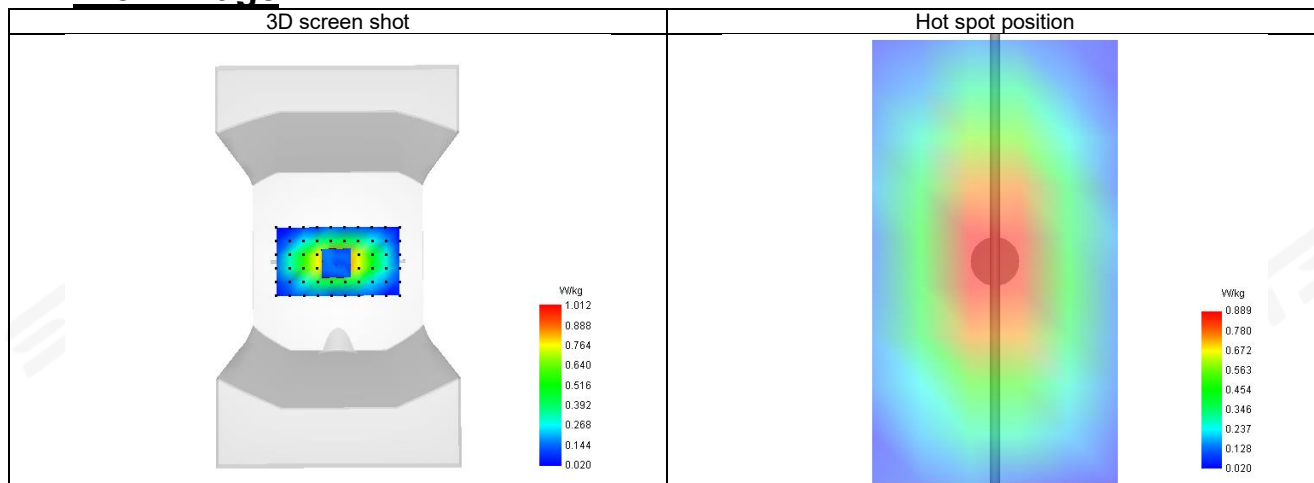
SAR 10g (W/Kg)	0.734
SAR 1g (W/Kg)	1.006
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	73.222647

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.189	1.012	0.741	0.500	0.333	0.278	0.217



F. 3D Image





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

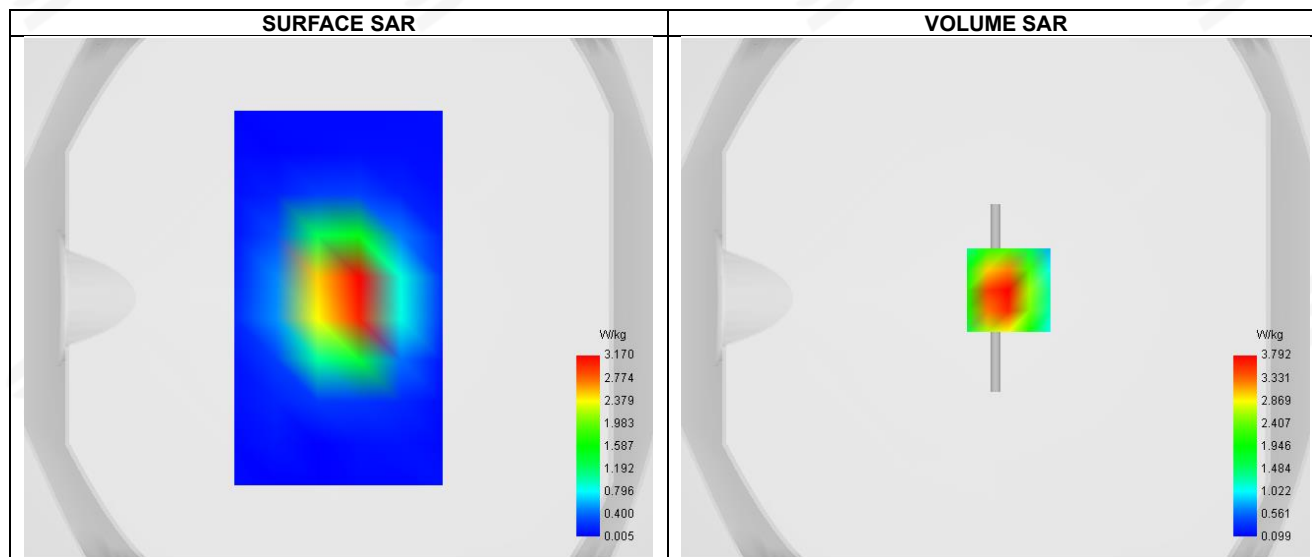
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-07-26

Experimental conditions.

Phantom	Validation plane
Device Position	-
Band	1800MHz
Channels	-
Signal	CW
Frequency (MHz)	1800MHz
Relative permittivity	40.69
Conductivity (S/m)	1.38
Probe	SN 08/21 EPG0352
ConvF	1.58
Crest factor:	1:1



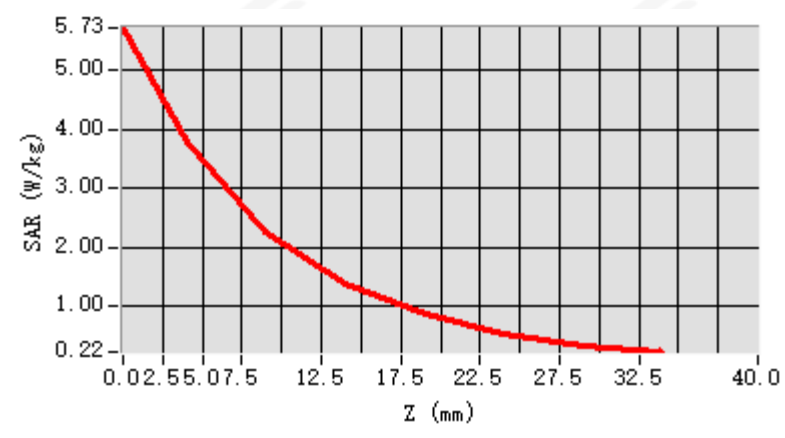
Maximum location: X=5.00, Y=3.00 ; SAR Peak: 5.94 W/kg

D. SAR 1g & 10g

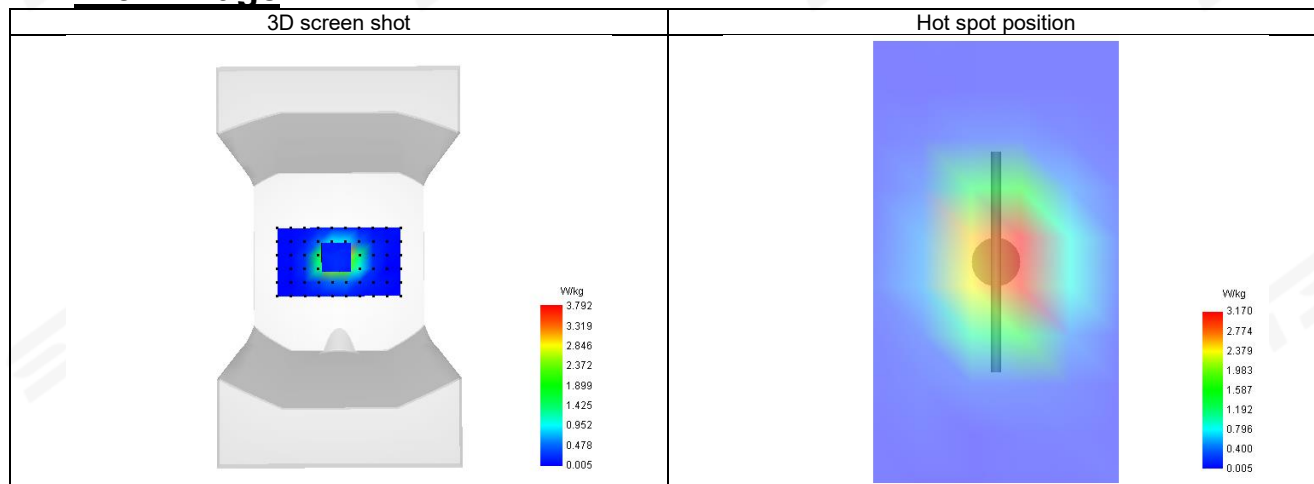
SAR 10g (W/Kg)	2.188
SAR 1g (W/Kg)	3.809
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	59.192410

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.729	3.792	2.245	1.378	0.857



F. 3D Image





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

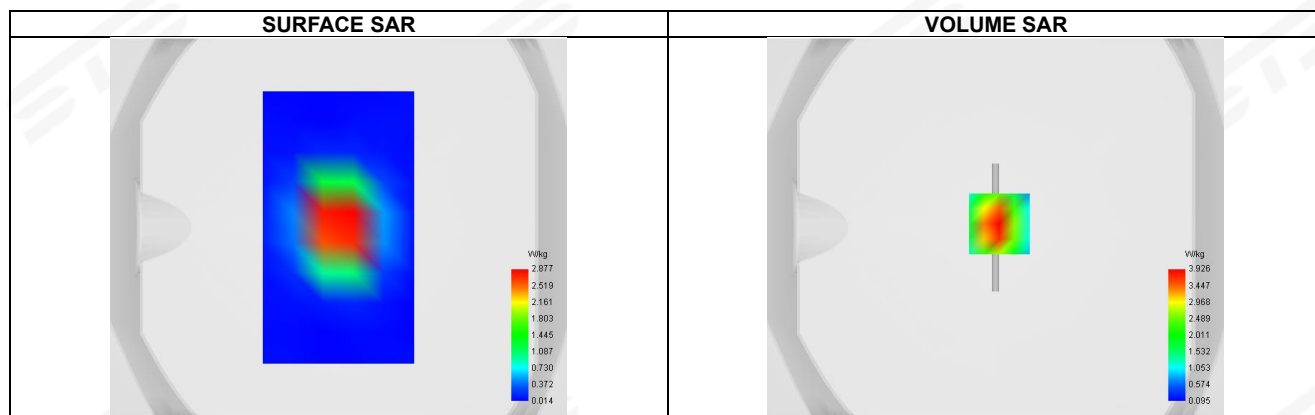
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-07-27

Experimental conditions.

Device Position	Validation plane
Band	1900MHz
Channels	-
Signal	CW
Frequency (MHz)	1900
Relative permittivity	40.48
Conductivity (S/m)	1.39
Probe	SN 08/21 EPG0352
ConvF	1.72
Crest factor:	1:1

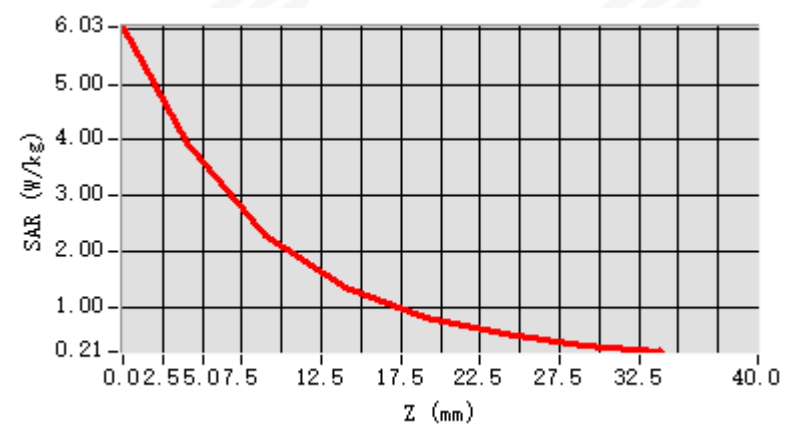


D. SAR 1g & 10g

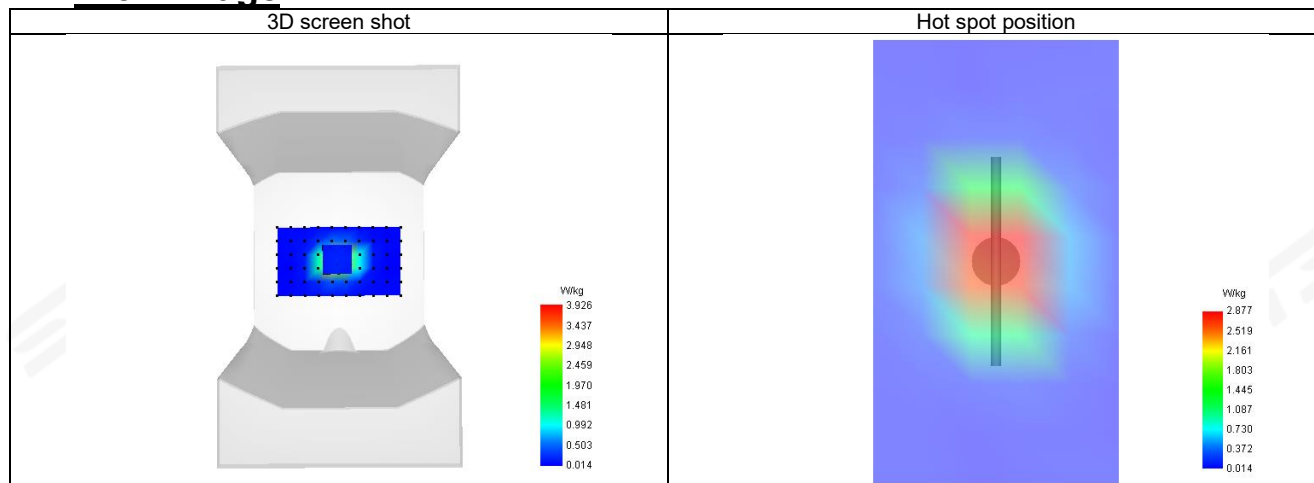
SAR 10g (W/Kg)	2.001
SAR 1g (W/Kg)	4.114
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	58.012125

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	6.026	3.926	2.278	1.353	0.824



F. 3D Image





System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

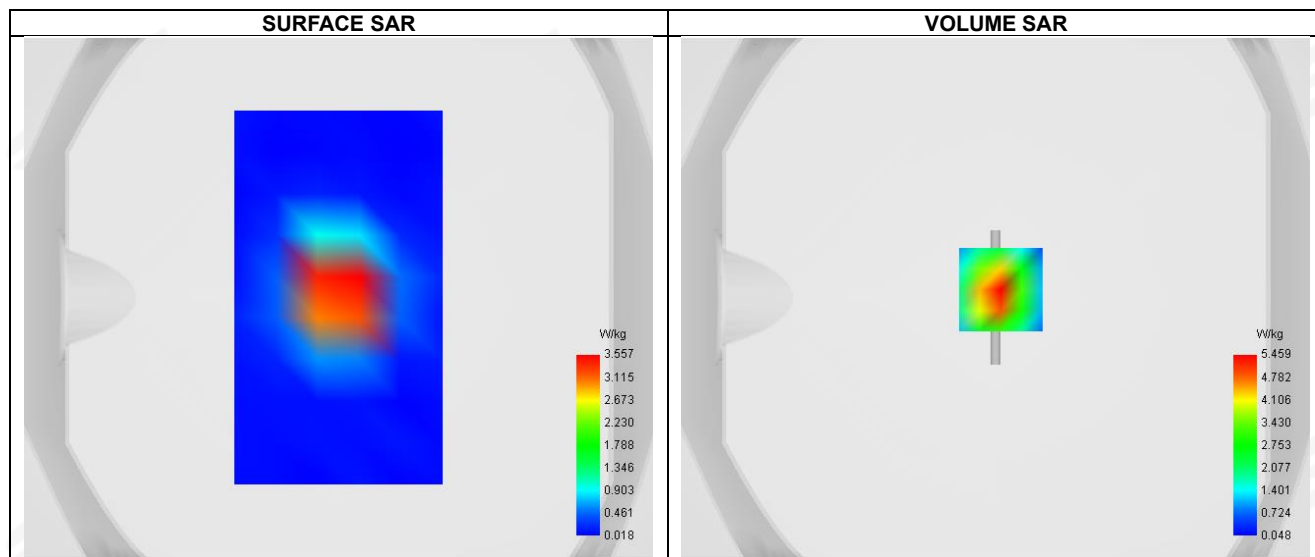
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-07-28

Experimental conditions.

Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity	40.28
Conductivity (S/m)	1.83
Probe	SN 08/21 EPG0352
ConvF	1.80
Crest factor:	1:1



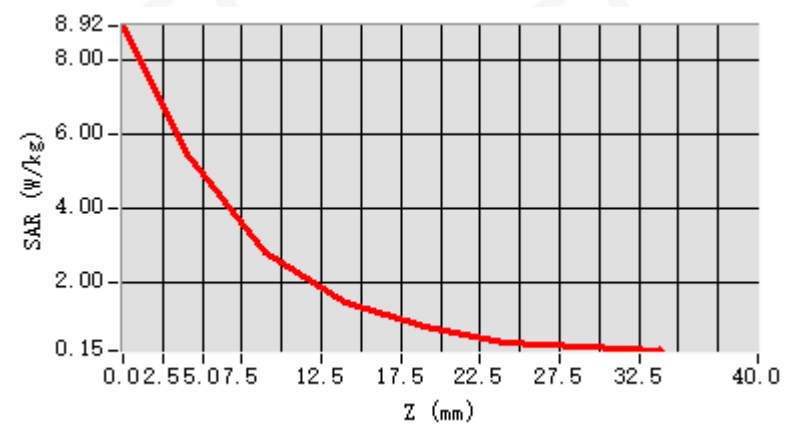
Maximum location: X=2.00, Y=3.00 ; SAR Peak: 9.08 W/kg

D. SAR 1g & 10g

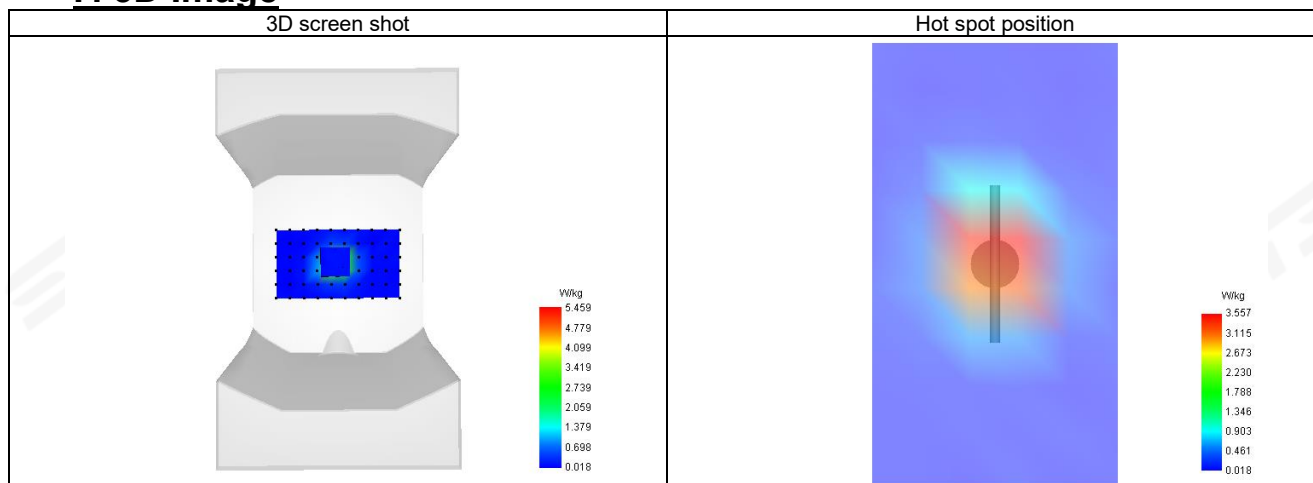
SAR 10g (W/Kg)	2.384
SAR 1g (W/Kg)	5.121
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	51.514958

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	8.919	5.459	2.812	1.422	0.779	0.382	0.264



F. 3D Image





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

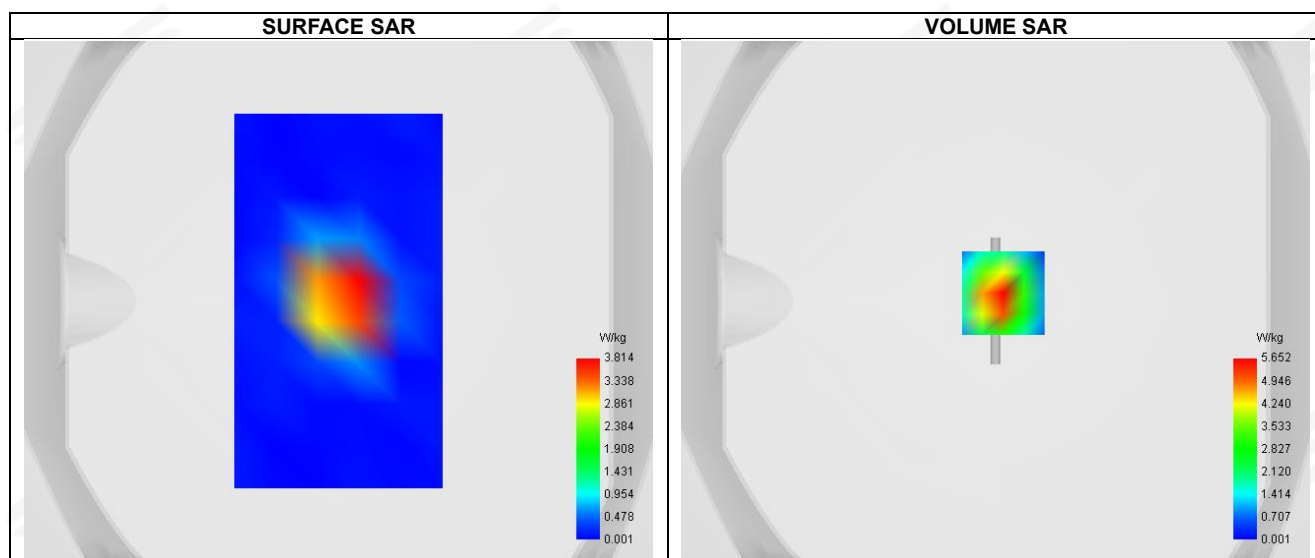
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-07-29

Experimental conditions.

Device Position	Validation plane
Band	2600 MHz
Channels	-
Signal	CW
Frequency (MHz)	2600
Relative permittivity	39.46
Conductivity (S/m)	1.95
Probe	SN 08/21 EPG0352
ConvF	1.74
Crest factor:	1:1



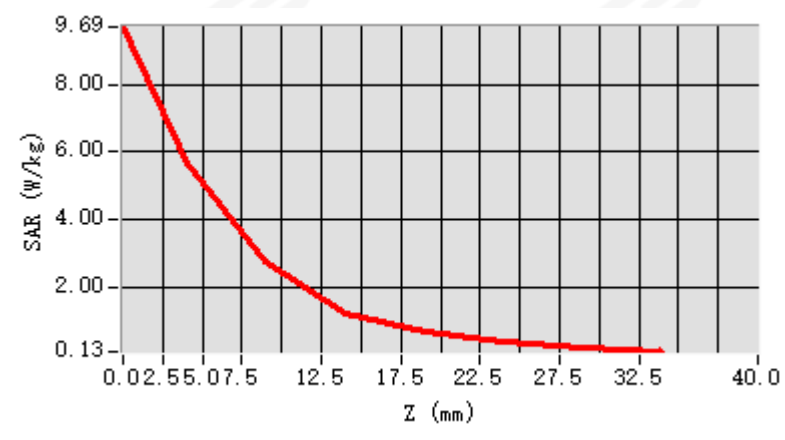
Maximum location: X=3.00, Y=3.00 ; SAR Peak: 9.85 W/kg

D. SAR 1g & 10g

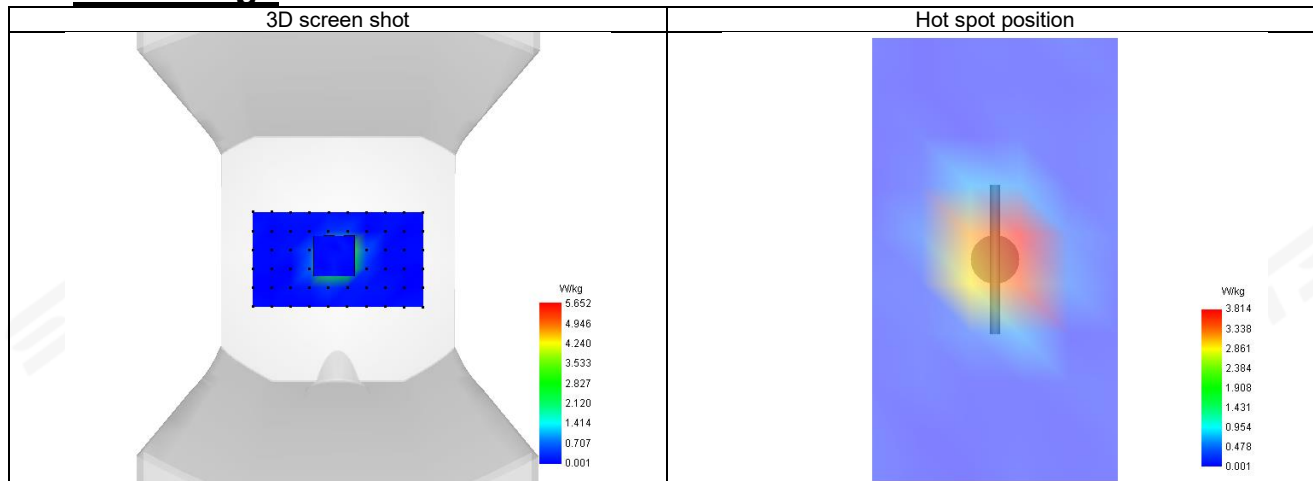
SAR 10g (W/Kg)	2.565
SAR 1g (W/Kg)	5.275
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	48.815485

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	9.687	5.652	2.759	1.263	0.708



F. 3D Image





System Performance Check Data (3500MHz)

Type: Phone measurement (Complete)

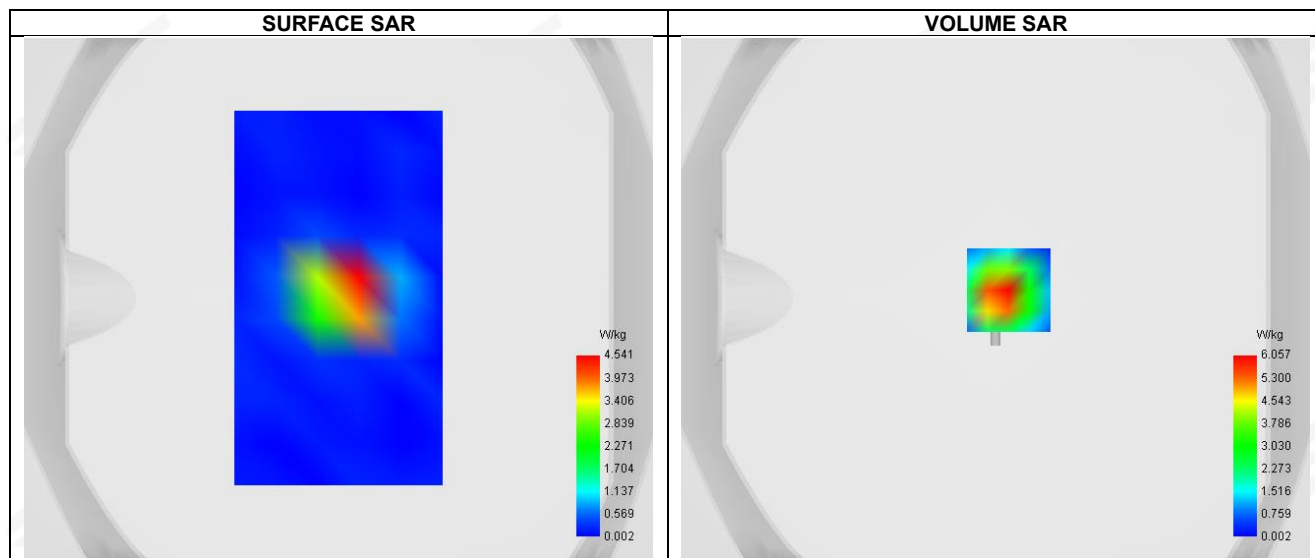
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-07-30

Experimental conditions.

Device Position	Validation plane
Band	3500 MHz
Channels	-
Signal	CW
Frequency (MHz)	3500
Relative permittivity	38.19
Conductivity (S/m)	3.00
Probe	SN 08/21 EPG0352
ConvF	1.46
Crest factor:	1:1



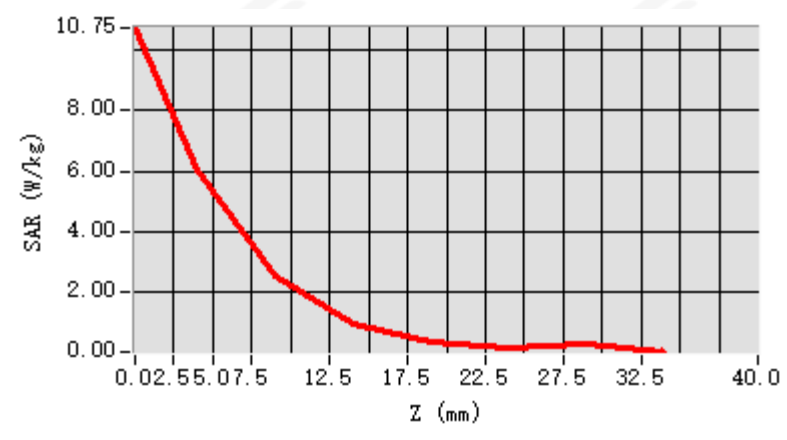
Maximum location: X=5.00, Y=3.00 ; SAR Peak: 11.26 W/kg

D. SAR 1g & 10g

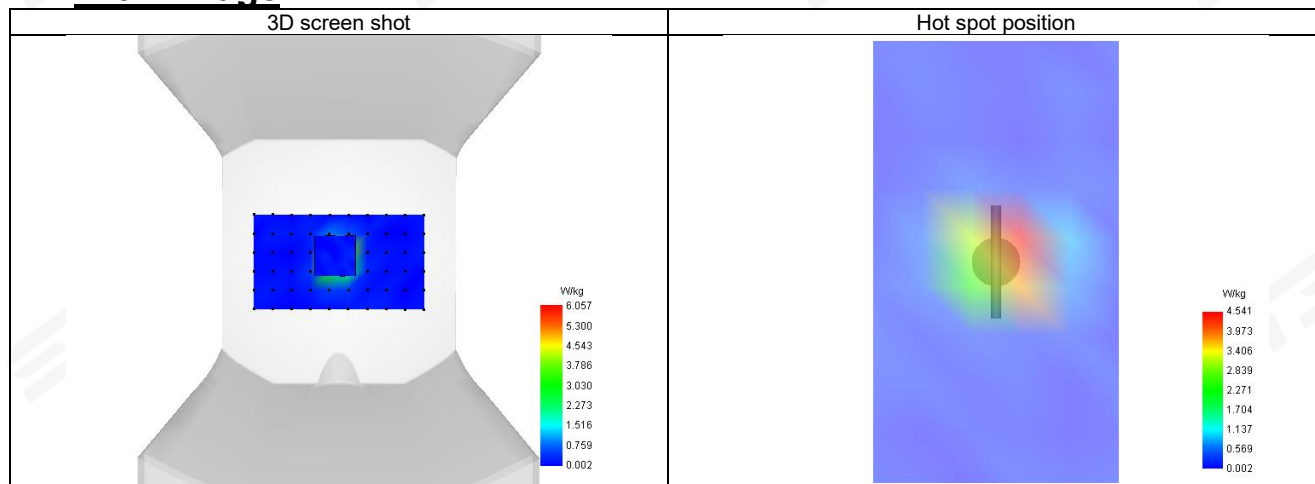
SAR 10g (W/Kg)	2.373
SAR 1g (W/Kg)	6.614
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	41.807604

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	10.750	6.057	2.532	0.899	0.311	0.158	0.242



F. 3D Image





System Performance Check Data (3700MHz)

Type: Phone measurement (Complete)

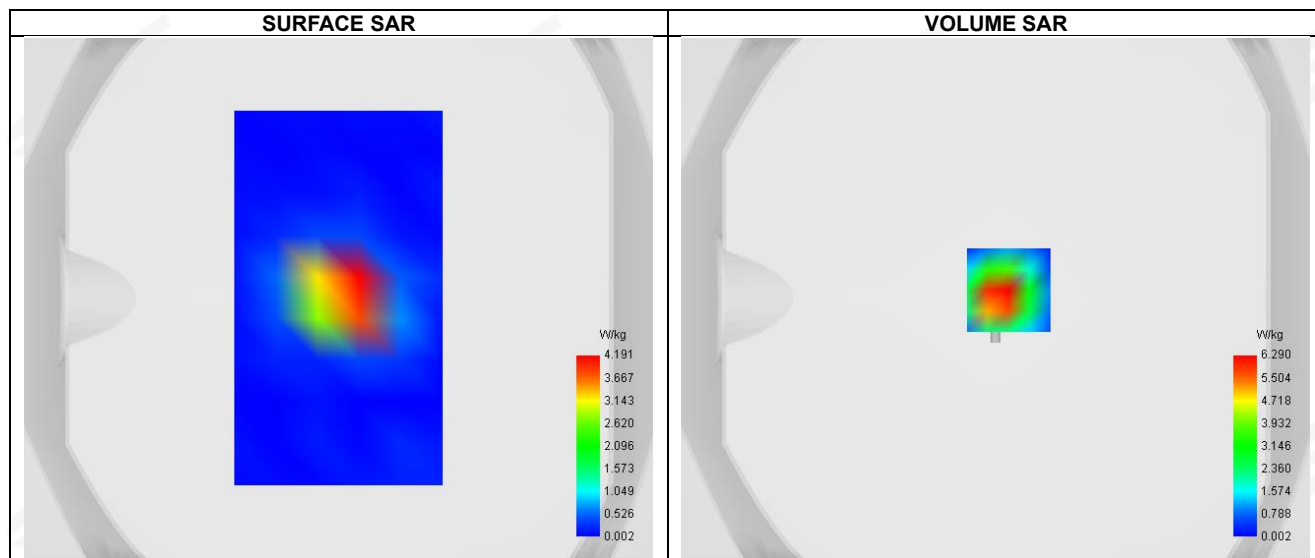
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-07-30

Experimental conditions.

Device Position	Validation plane
Band	3700 MHz
Channels	-
Signal	CW
Frequency (MHz)	3700
Relative permittivity	38.00
Conductivity (S/m)	3.07
Probe	SN 08/21 EPG0352
ConvF	1.39
Crest factor:	1:1



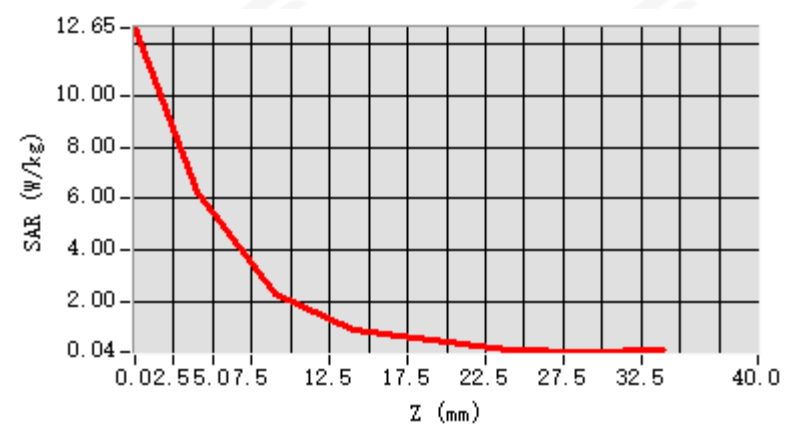
Maximum location: X=5.00, Y=3.00 ; SAR Peak: 13.95 W/kg

D. SAR 1g & 10g

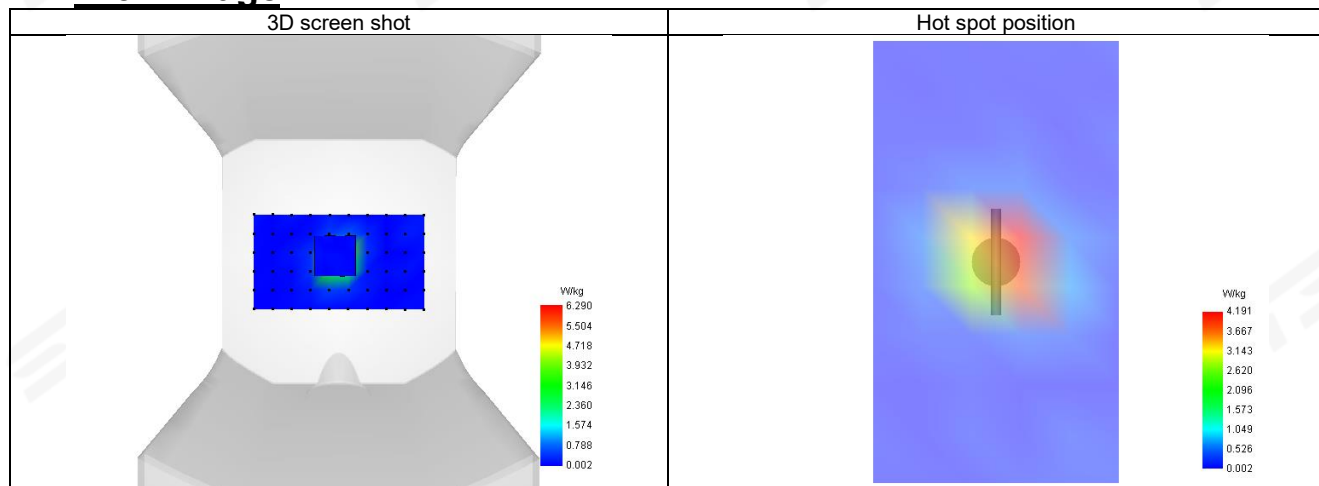
SAR 10g (W/Kg)	2.691
SAR 1g (W/Kg)	6.850
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	36.299776

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	12.650	6.290	2.283	0.889	0.496	0.139	0.041



F. 3D Image





System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)

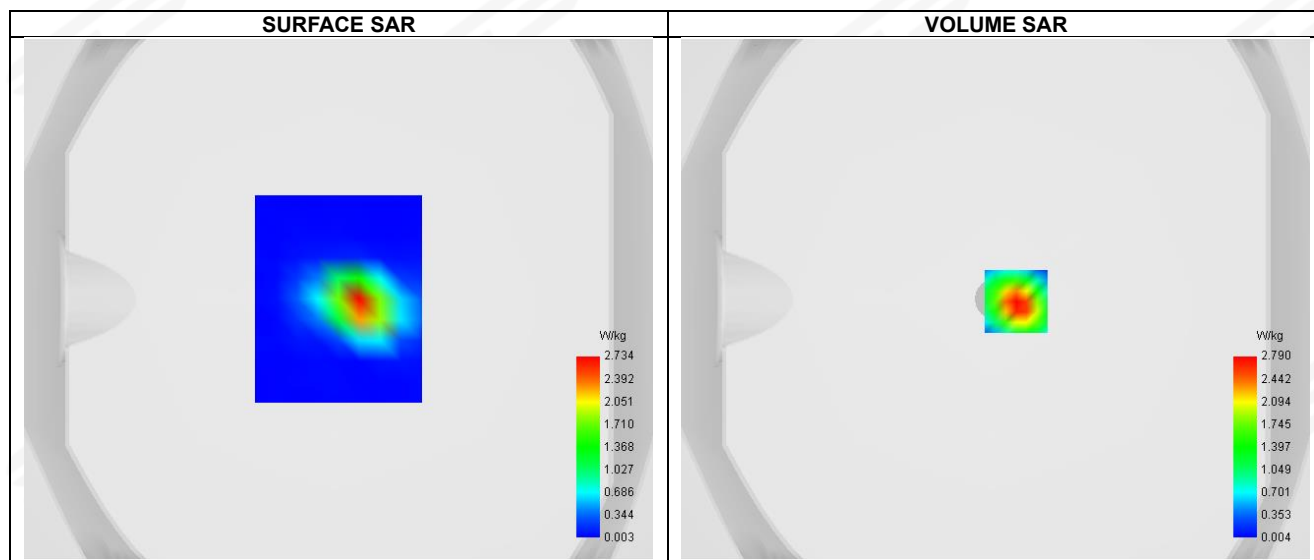
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-07-30

Experimental conditions.

Device Position	Validation plane
Band	5200 MHz
Channels	-
Signal	CW
Frequency (MHz)	5200
Relative permittivity	36.77
Conductivity (S/m)	4.57
Probe	SN 08/21 EPG0352
ConvF	1.33
Crest factor:	1:1



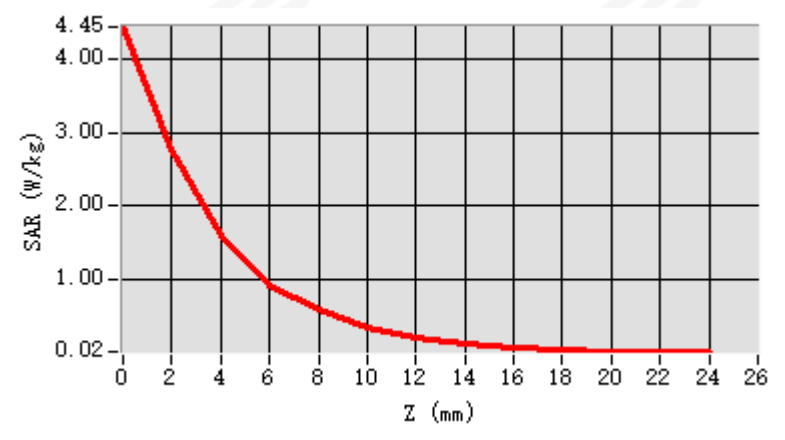
Maximum location: X=8.00, Y=-1.00 ; SAR Peak: 4.70 W/kg

D. SAR 1g & 10g

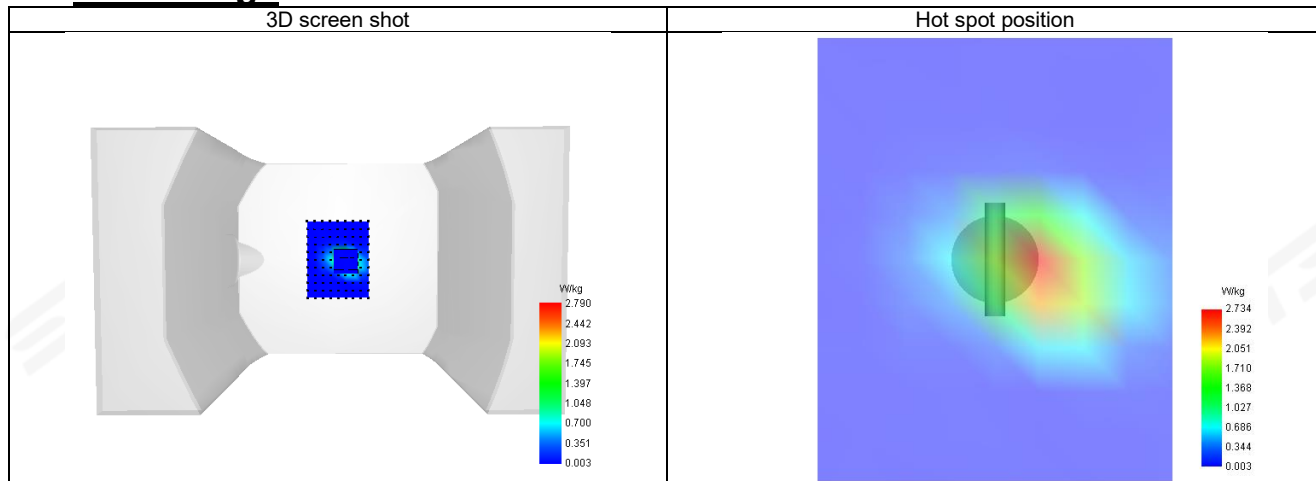
SAR 10g (W/Kg)	0.587
SAR 1g (W/Kg)	1.704
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	57.170362

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	4.445	2.790	1.595	0.909	0.577	0.344	0.205	0.122	0.073



F. 3D Image

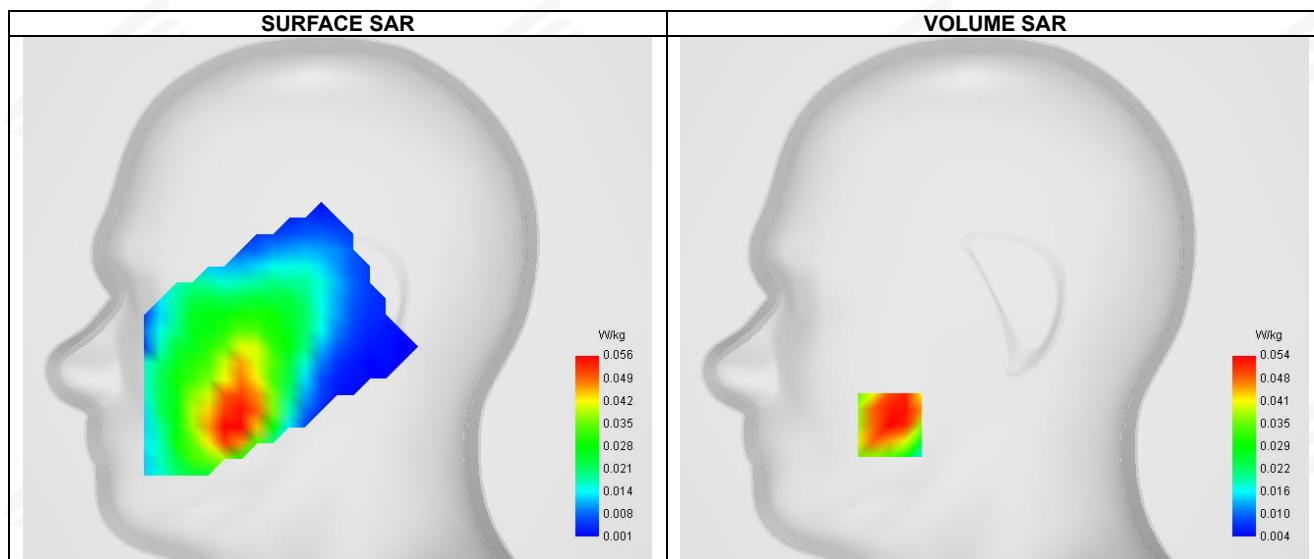




Appendix B. SAR Test Plots

Plot 1: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-25
ConvF	1.48
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Head
Device Position	Right Cheek
Band	GSM900
Signal	TDMA (Crest factor: 8.32)
Frequency	914.8



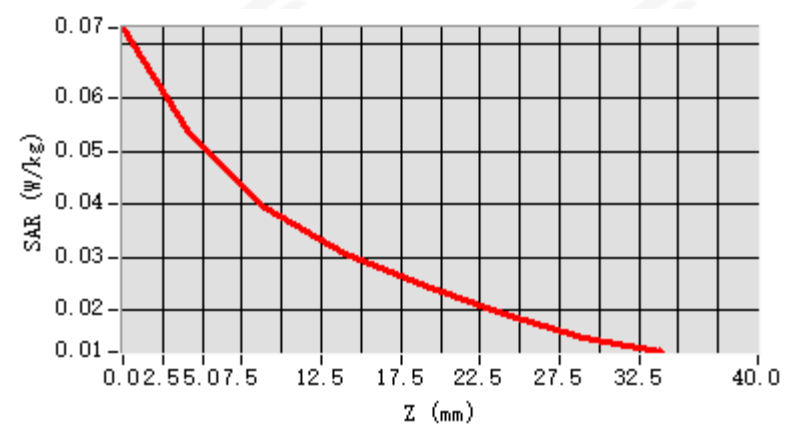
Maximum location: X=-52.00, Y=-63.00 ; SAR Peak: 0.07 W/kg

D. SAR 1g & 10g

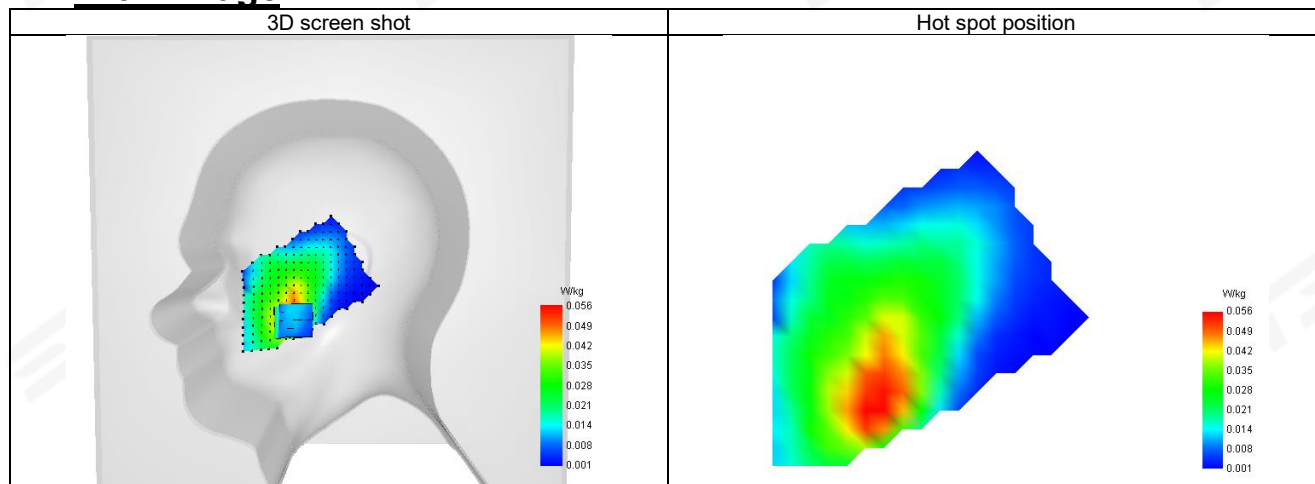
SAR 10g (W/Kg)	0.035
SAR 1g (W/Kg)	0.053
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	77.320848

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.073	0.054	0.039	0.031	0.025	0.019	0.015



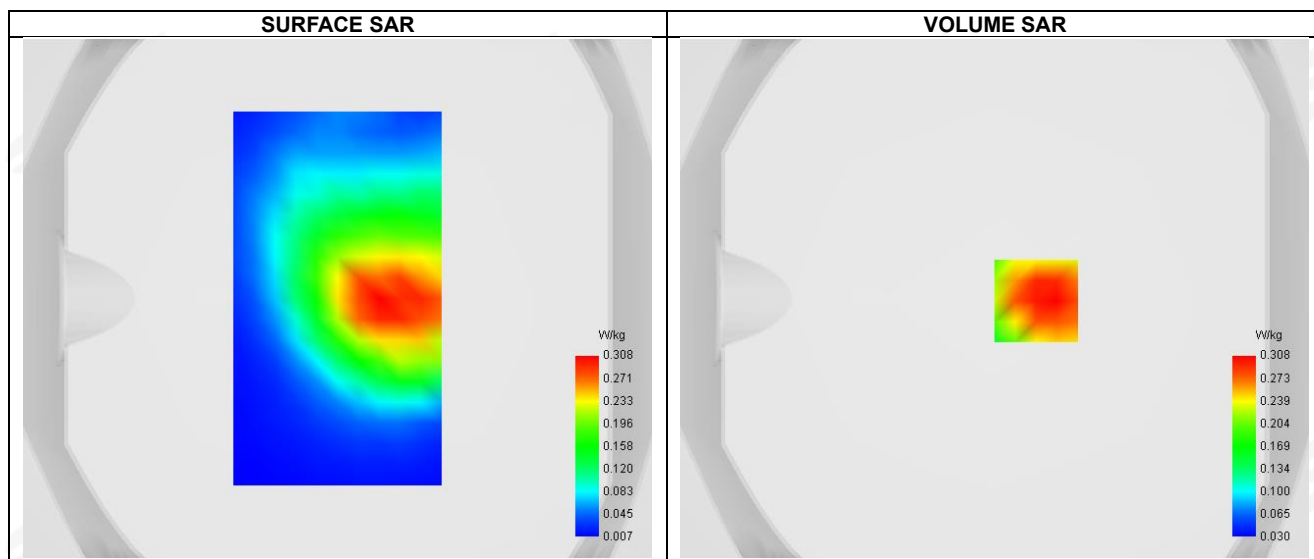
F. 3D Image





Plot 2: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-25
ConvF	1.48
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	GPRS900
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Frequency	880.2



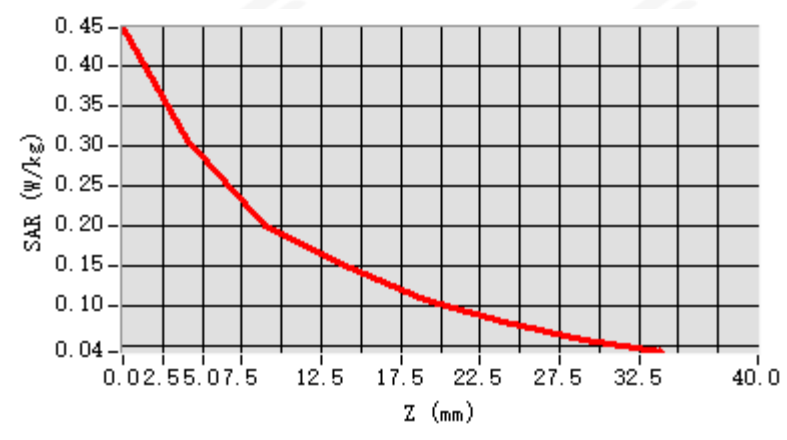
Maximum location: X=16.00, Y=-1.00 ; SAR Peak: 0.44 W/kg

D. SAR 1g & 10g

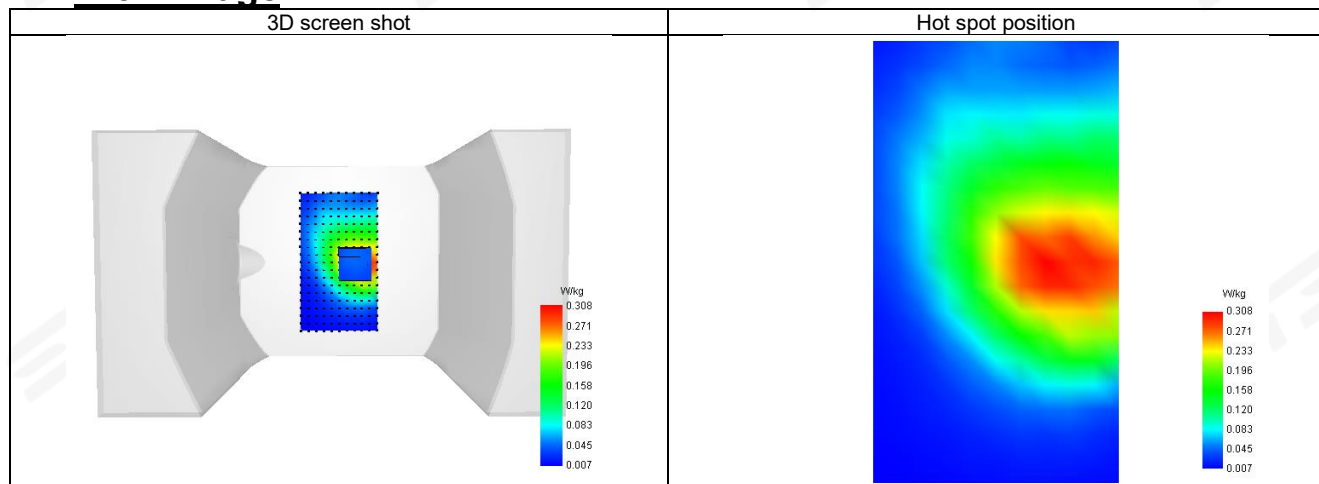
SAR 10g (W/Kg)	0.196
SAR 1g (W/Kg)	0.301
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	75.415220

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.447	0.308	0.201	0.151	0.109	0.080	0.058



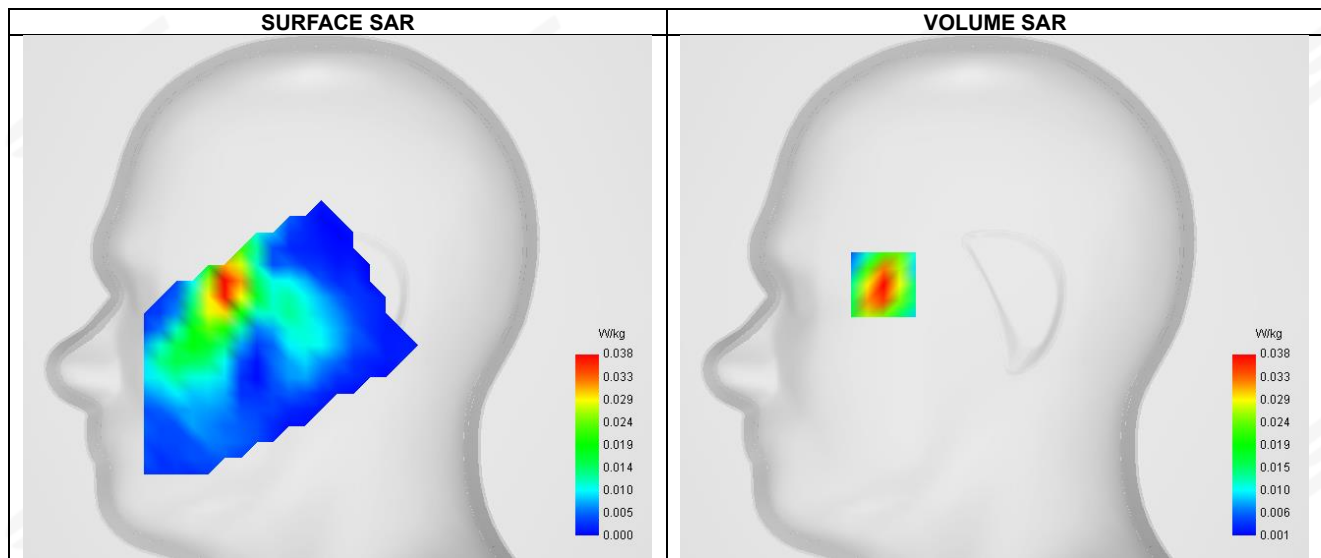
F. 3D Image





Plot 3: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-26
ConvF	1.58
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	GSM1800
Signal	TDMA (Crest factor: 8.32)
Frequency	1710.2

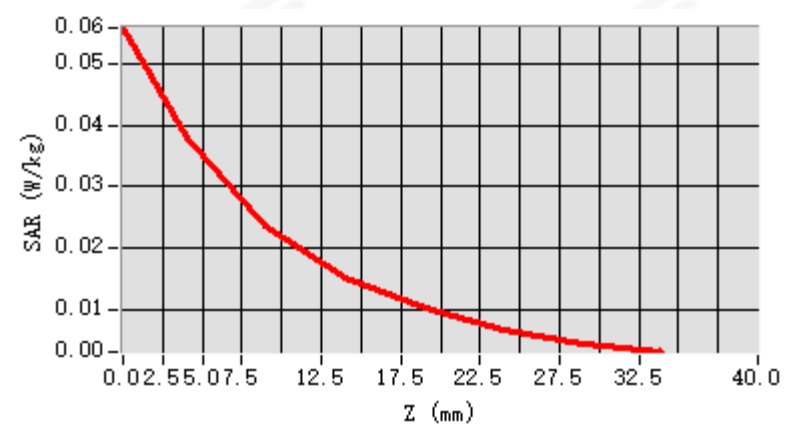


D. SAR 1g & 10g

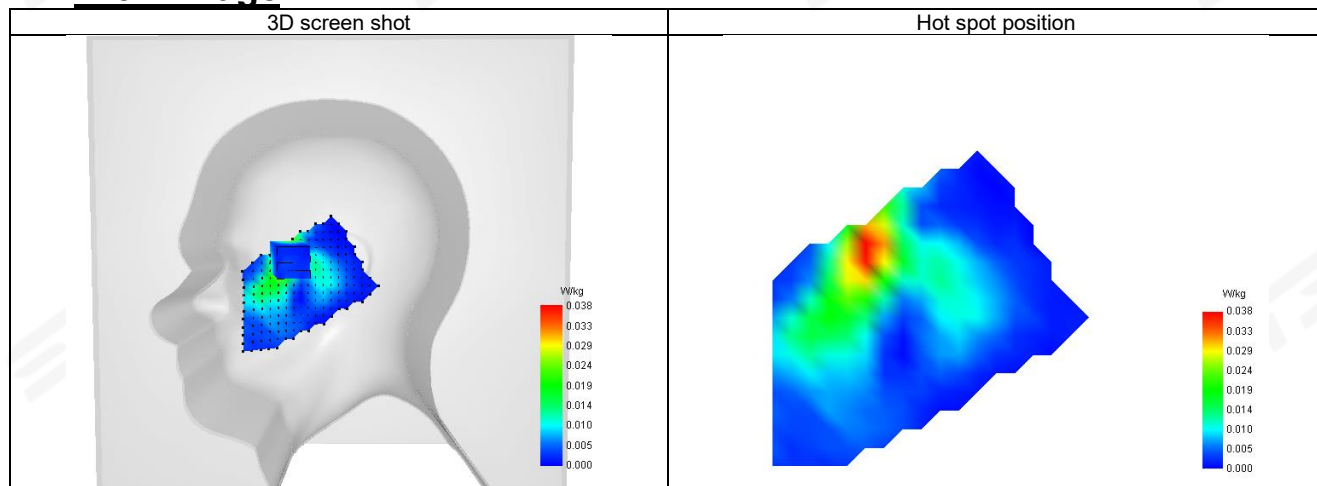
SAR 10g (W/Kg)	0.020
SAR 1g (W/Kg)	0.036
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	65.352307

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.056	0.038	0.024	0.015	0.010	0.007	0.004



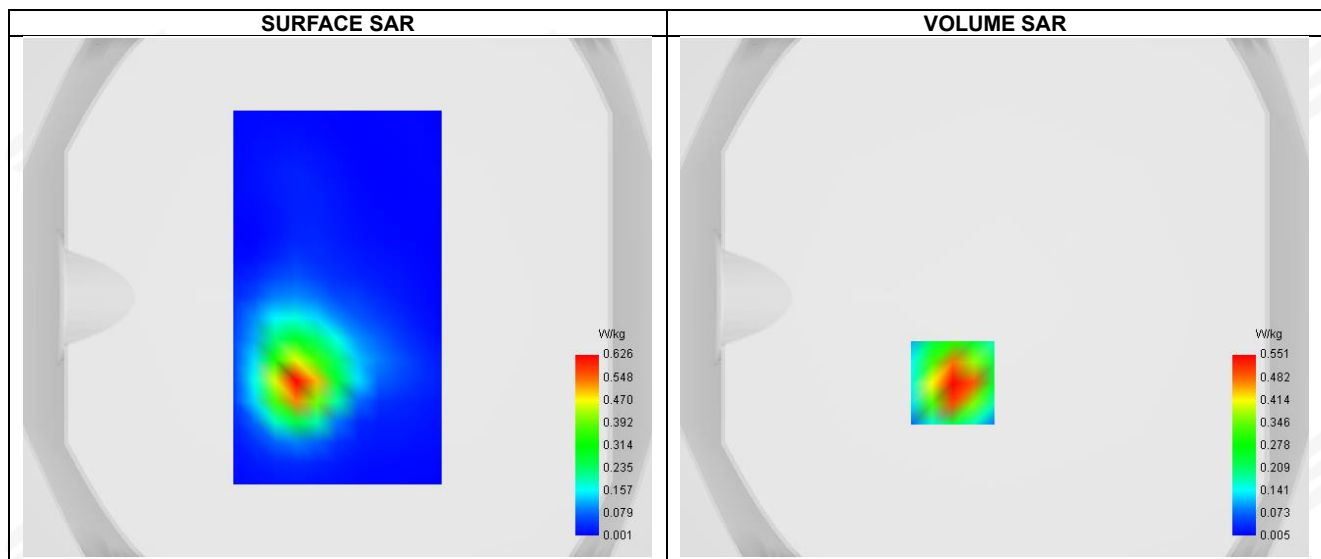
F. 3D Image





Plot 4: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-26
ConvF	1.58
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	GPRS1800
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Frequency	1710.2



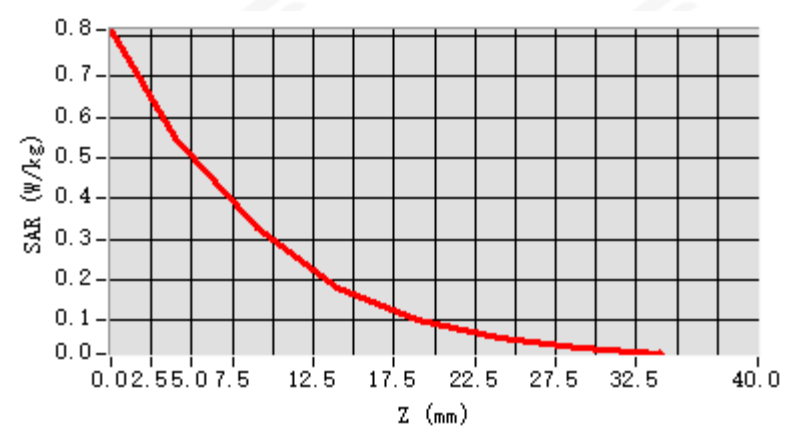
Maximum location: X=-16.00, Y=-33.00 ; SAR Peak: 0.87 W/kg

D. SAR 1g & 10g

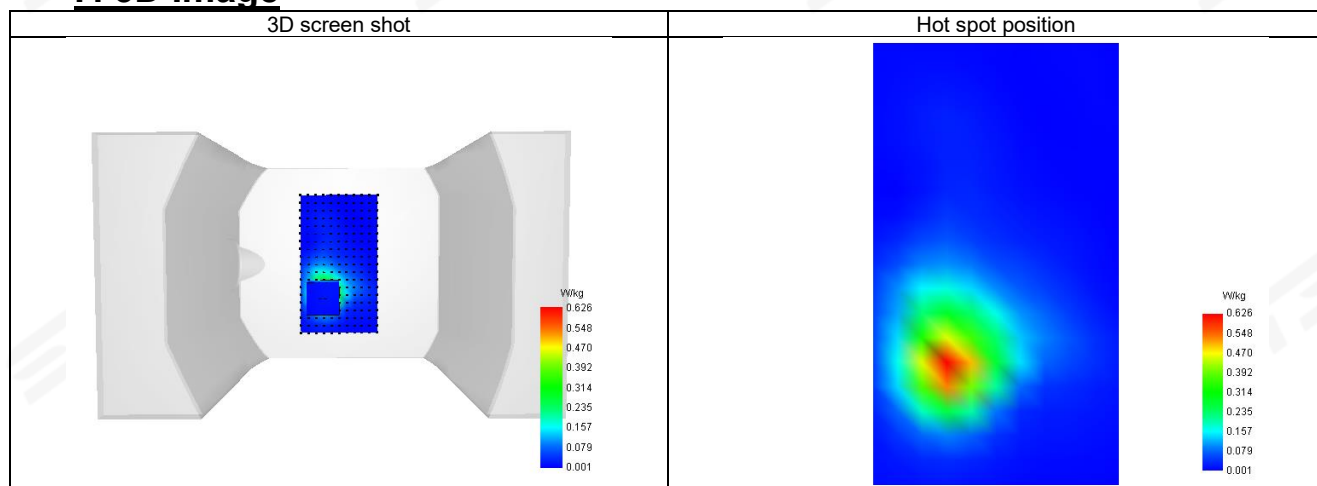
SAR 10g (W/Kg)	0.259
SAR 1g (W/Kg)	0.523
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	59.233696

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.814	0.551	0.326	0.181	0.103	0.059	0.034



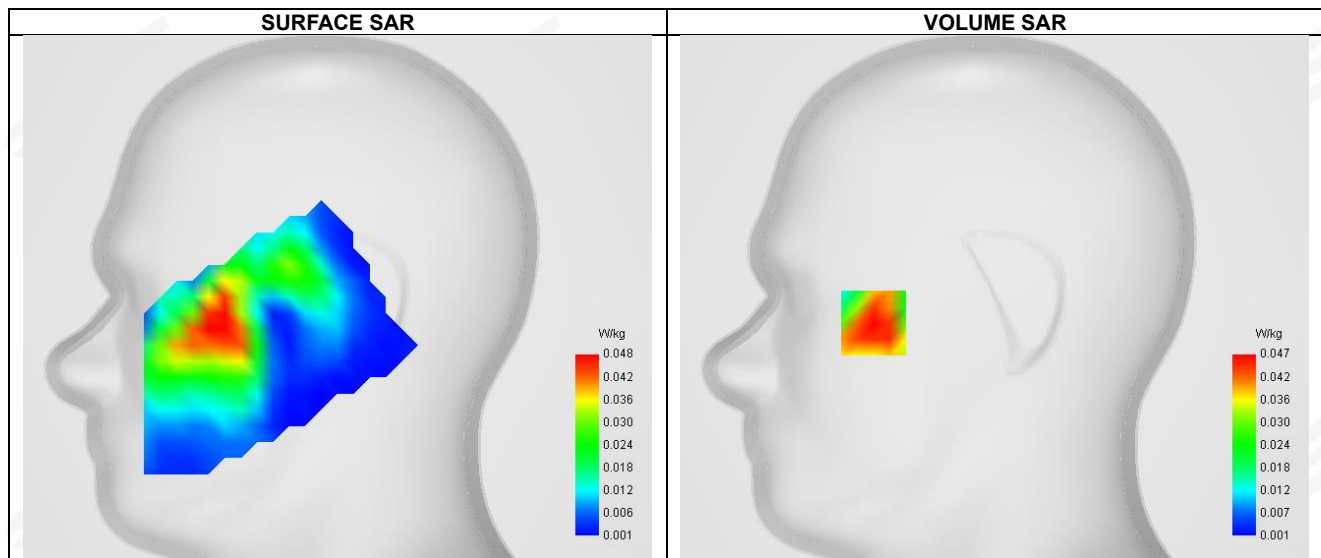
F. 3D Image





Plot 5: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-27
ConvF	1.72
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	WCDMA I
Signal	WCDMA (Crest factor: 1.0)
Frequency	1950



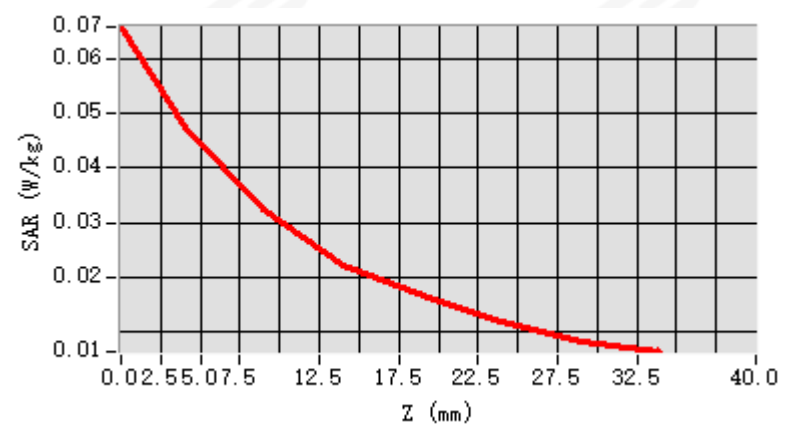
Maximum location: X=-60.00, Y=-13.00 ; SAR Peak: 0.07 W/kg

D. SAR 1g & 10g

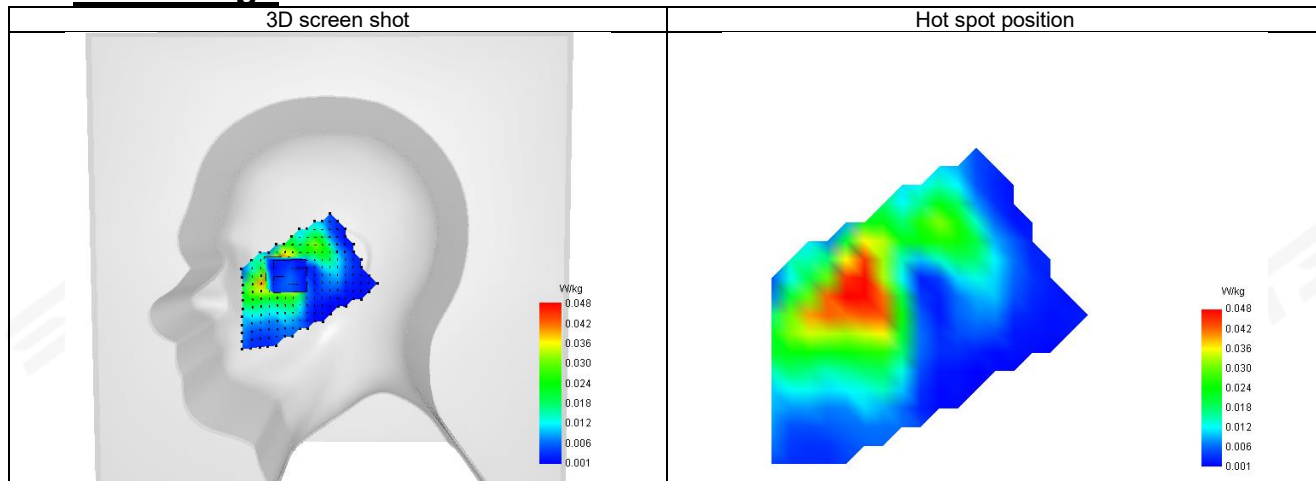
SAR 10g (W/Kg)	0.028
SAR 1g (W/Kg)	0.046
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	68.648465

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.066	0.047	0.033	0.022	0.017	0.012	0.008



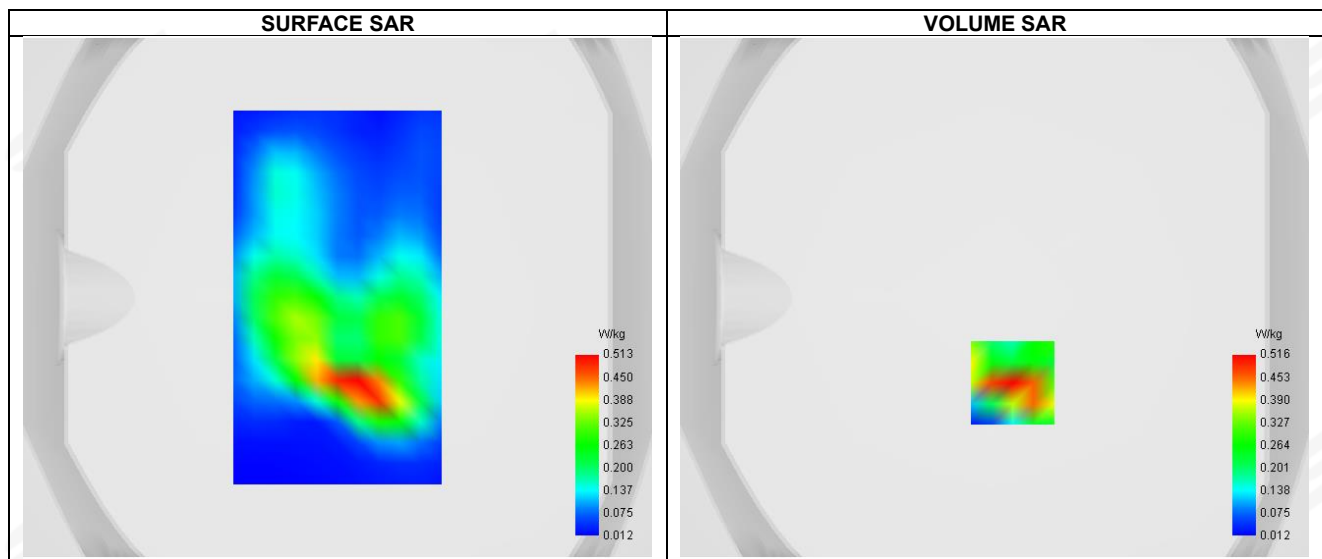
F. 3D Image





Plot 6: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-27
ConvF	1.72
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	WCDMA I
Signal	WCDMA (Crest factor: 1.0)
Frequency	1950



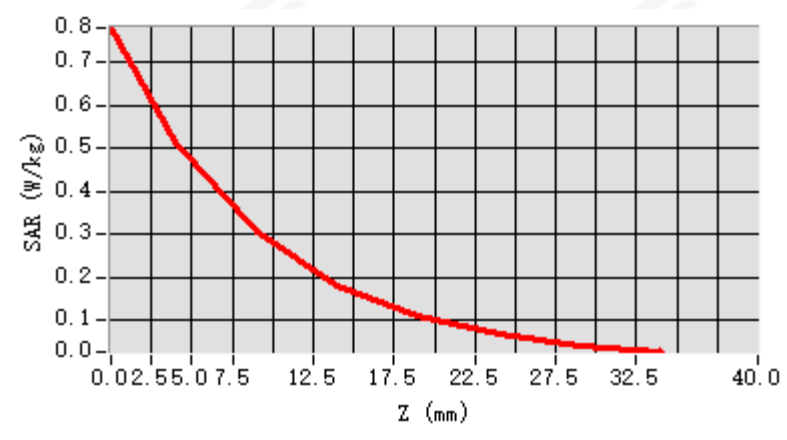
Maximum location: X=7.00, Y=-33.00 ; SAR Peak: 0.80 W/kg

D. SAR 1g & 10g

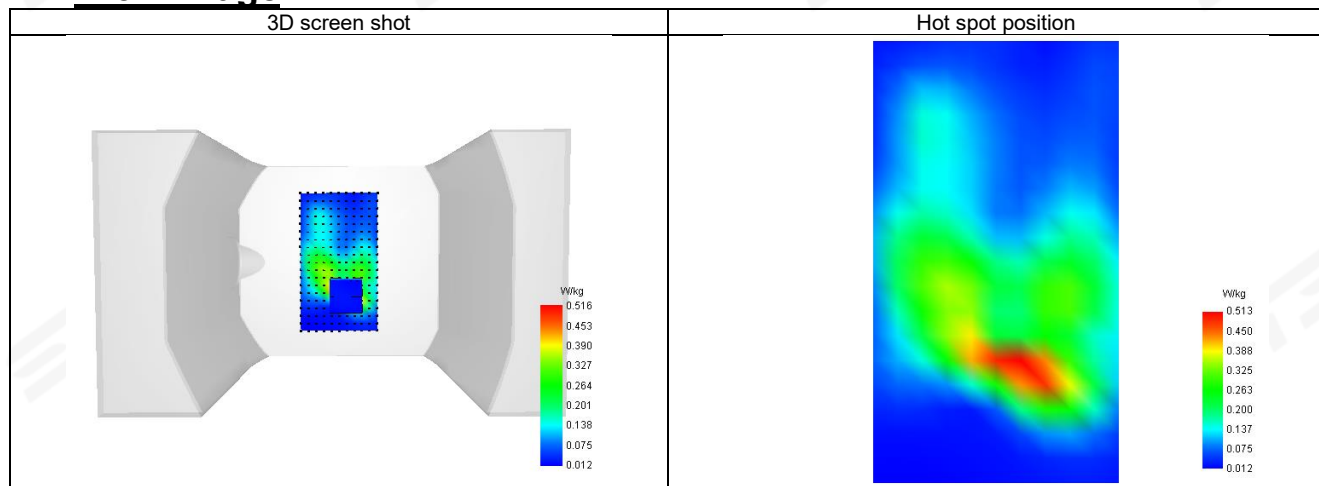
SAR 10g (W/Kg)	0.238
SAR 1g (W/Kg)	0.476
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	59.134400

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.781	0.516	0.305	0.179	0.111	0.067	0.040



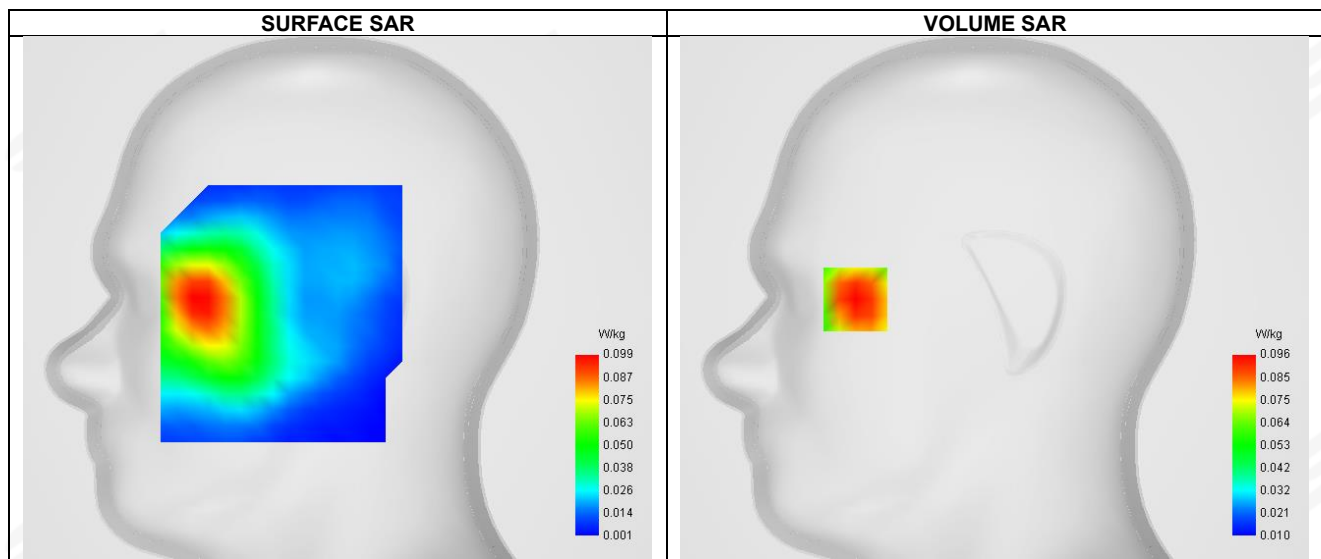
F. 3D Image





Plot 7: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-25
ConvF	1.48
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	WCDMA VIII
Signal	WCDMA (Crest factor: 1.0)
Frequency	882.4

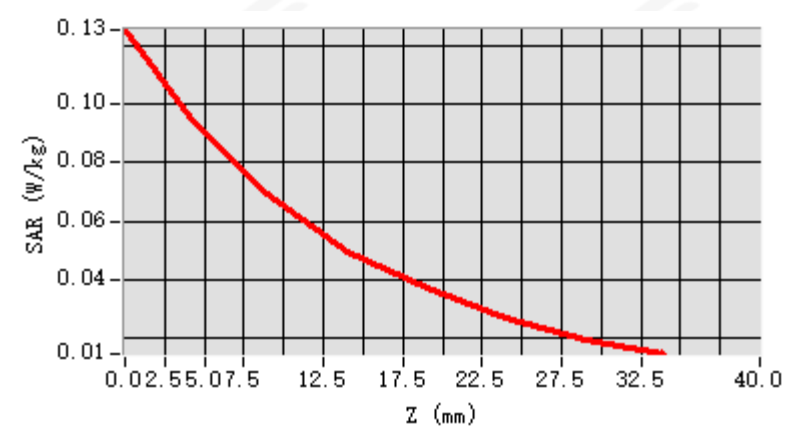


D. SAR 1g & 10g

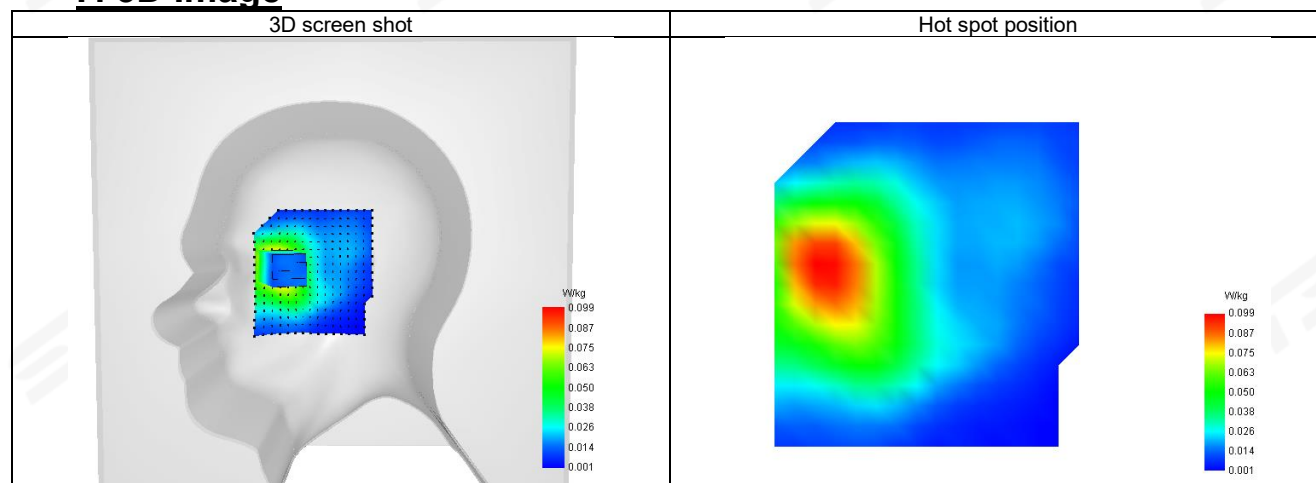
SAR 10g (W/Kg)	0.063
SAR 1g (W/Kg)	0.093
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	72.451256

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.125	0.096	0.070	0.050	0.037	0.027	0.020



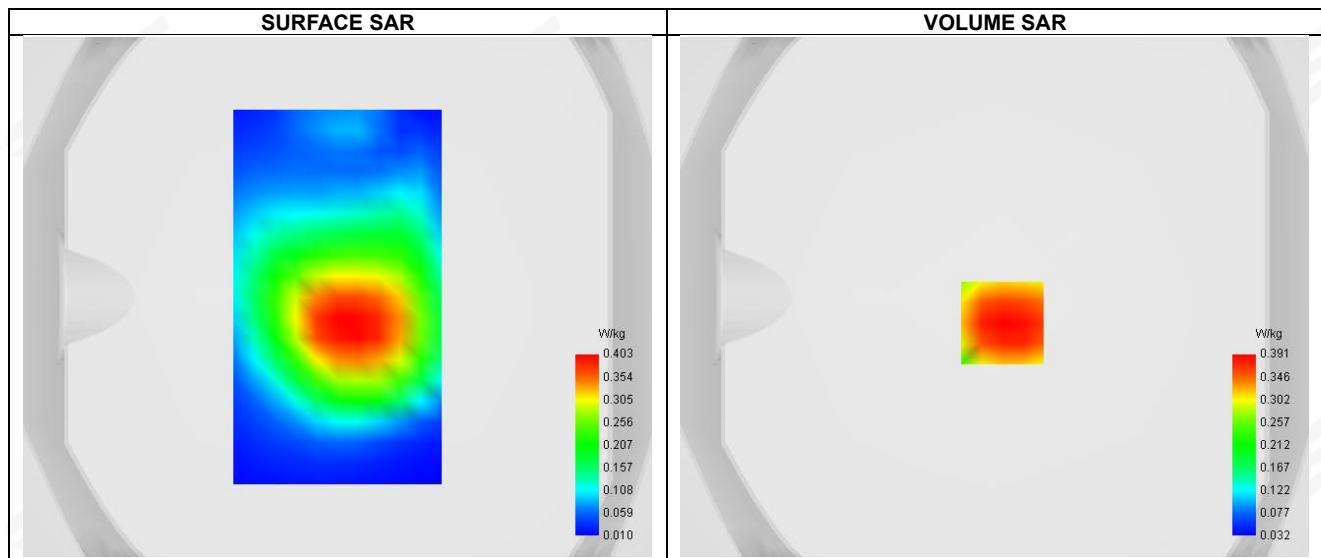
F. 3D Image





Plot 8: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-25
ConvF	1.48
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	WCDMA VIII
Signal	WCDMA (Crest factor: 1.0)
Frequency	882.4



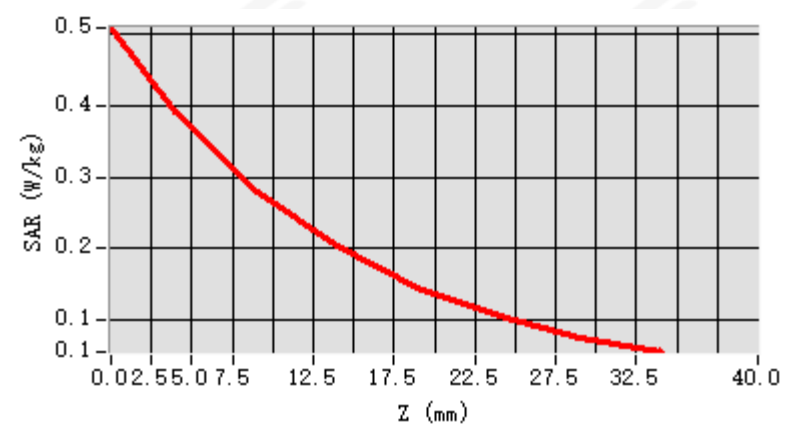
Maximum location: X=3.00, Y=-10.00 ; SAR Peak: 0.52 W/kg

D. SAR 1g & 10g

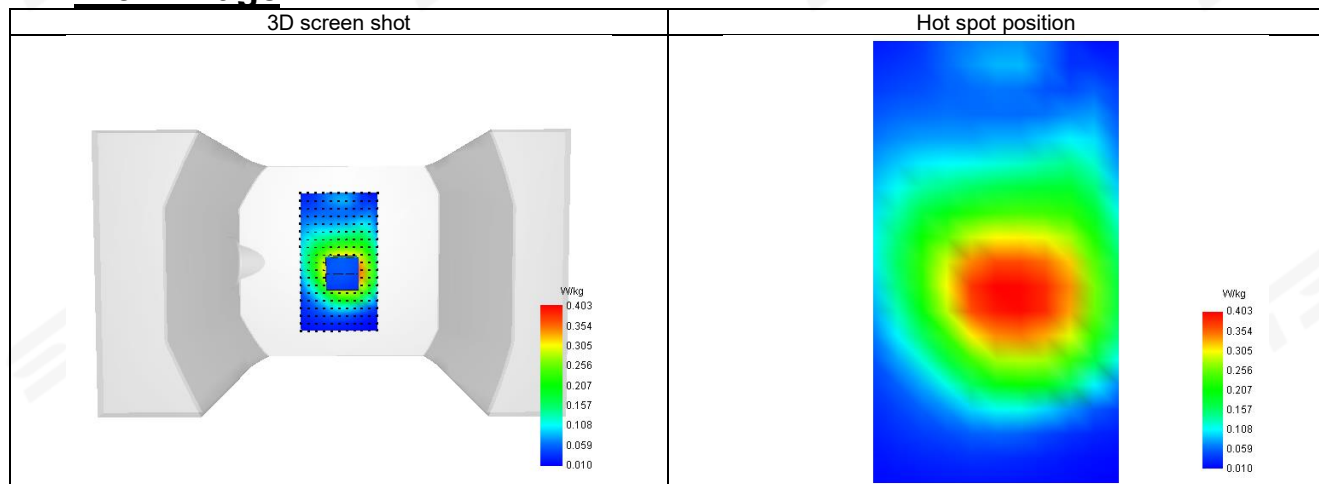
SAR 10g (W/Kg)	0.260
SAR 1g (W/Kg)	0.378
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	66.515518

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.510	0.391	0.281	0.202	0.146	0.105	0.076

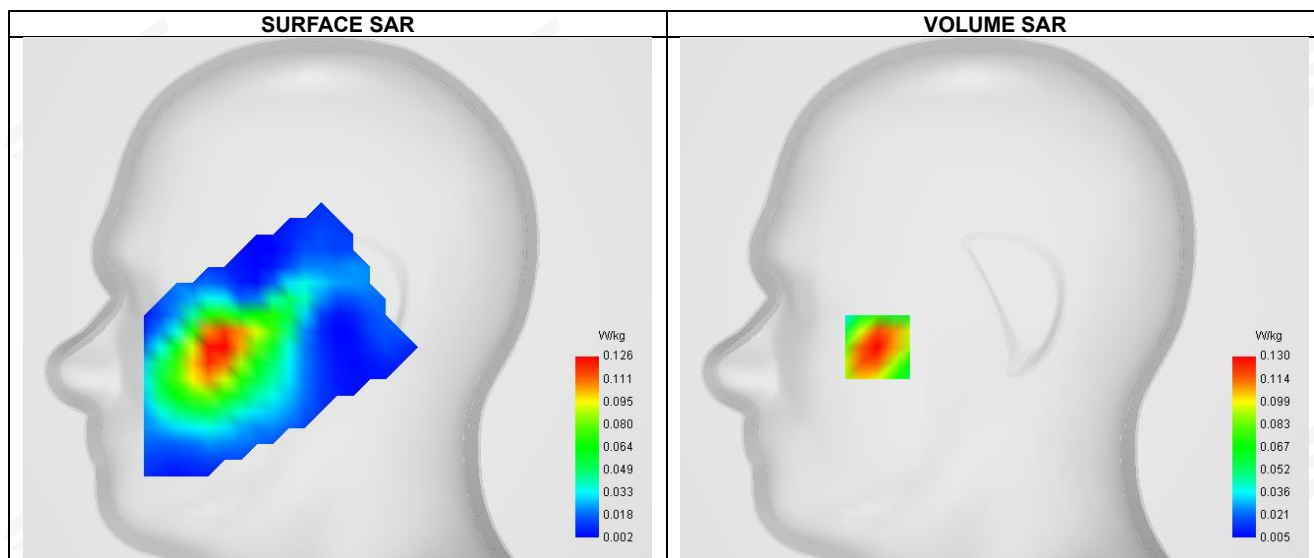


F. 3D Image



Plot 9: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-27
ConvF	1.72
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	LTE band 1
Signal	LTE (Crest factor: 1.0)
Frequency	1950



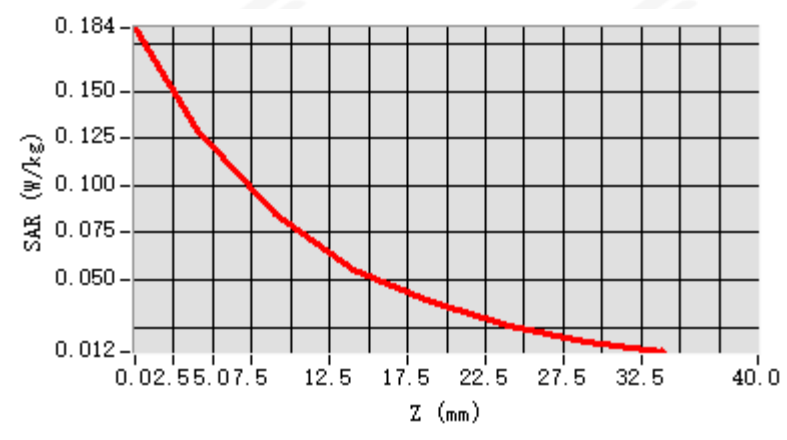
Maximum location: X=-58.00, Y=-24.00 ; SAR Peak: 0.19 W/kg

D. SAR 1g & 10g

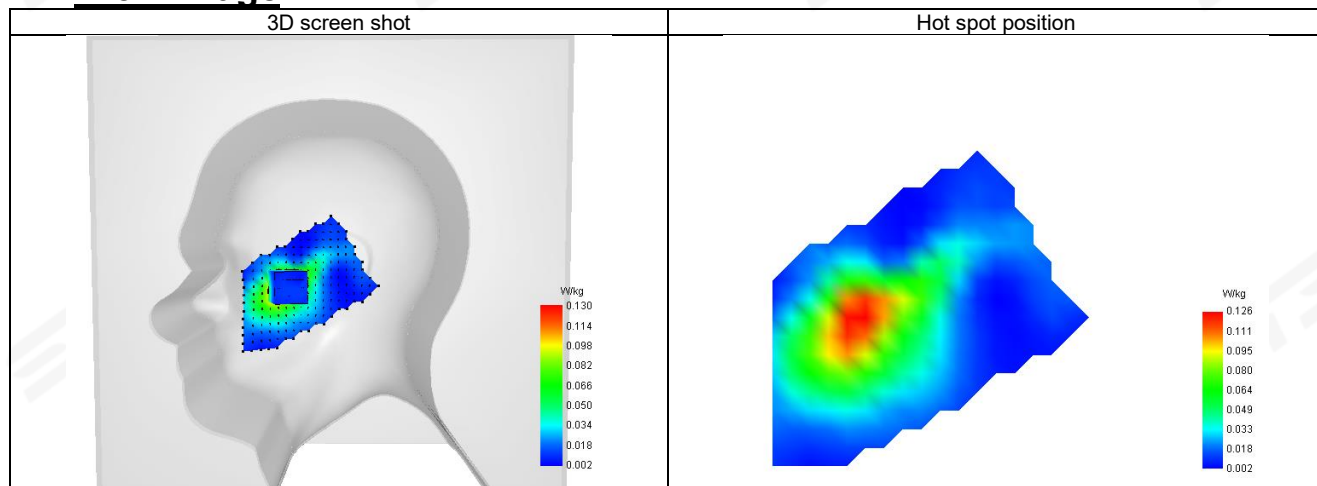
SAR 10g (W/Kg)	0.073
SAR 1g (W/Kg)	0.123
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	65.297297

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.184	0.130	0.085	0.055	0.038	0.025	0.017



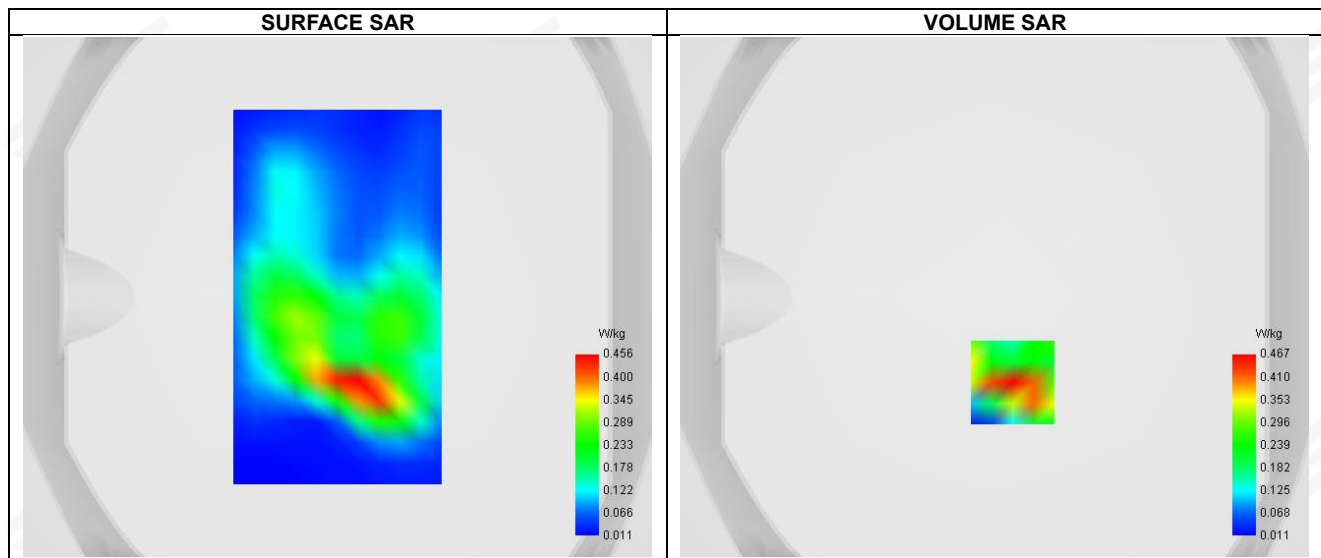
F. 3D Image





Plot 10: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-27
ConvF	1.72
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	LTE band 1
Signal	LTE (Crest factor: 1.0)
Frequency	1950



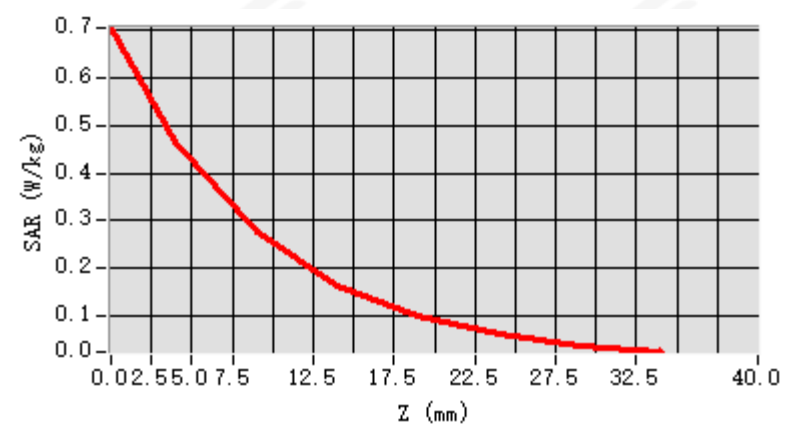
Maximum location: X=7.00, Y=-33.00 ; SAR Peak: 0.72 W/kg

D. SAR 1g & 10g

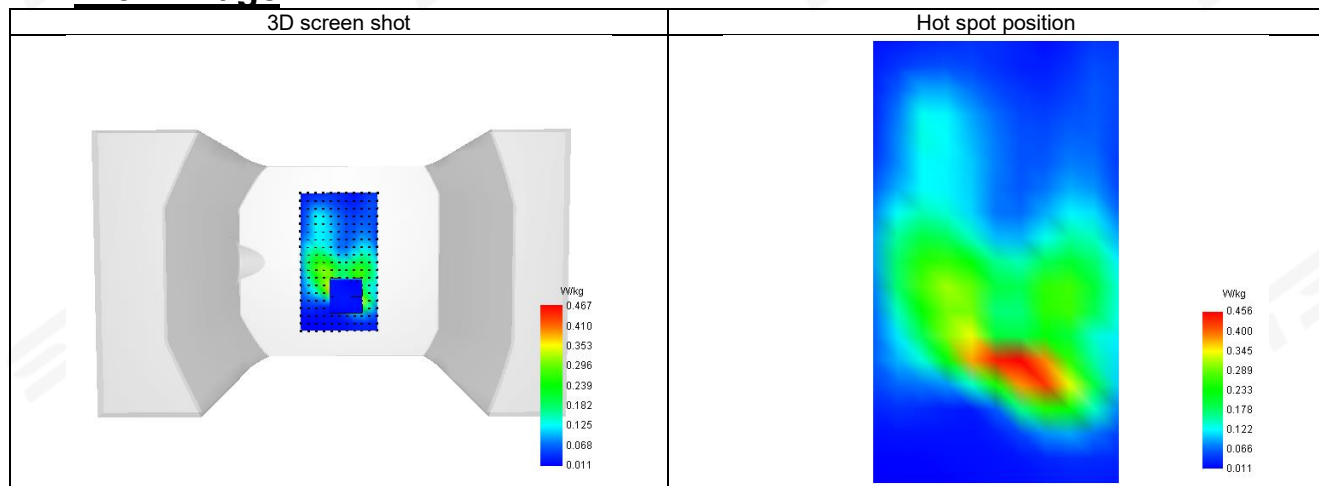
SAR 10g (W/Kg)	0.216
SAR 1g (W/Kg)	0.431
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	59.242691

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.705	0.467	0.277	0.162	0.101	0.061	0.037



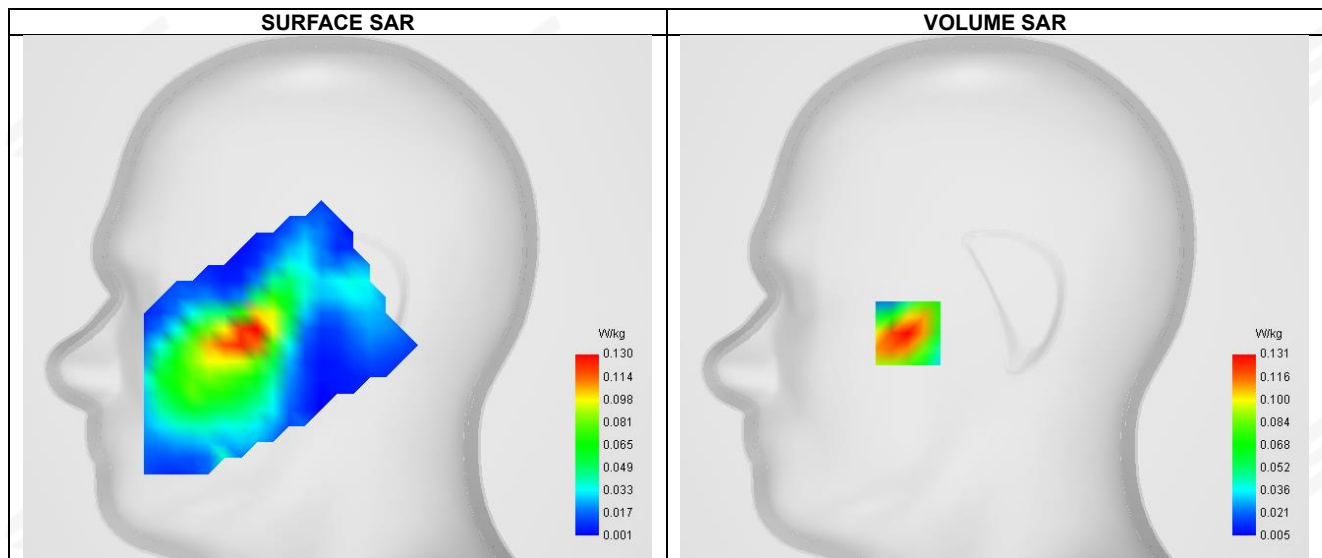
F. 3D Image





Plot 11: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-26
ConvF	1.58
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	LTE band 3
Signal	LTE (Crest factor: 1.0)
Frequency	1747.5



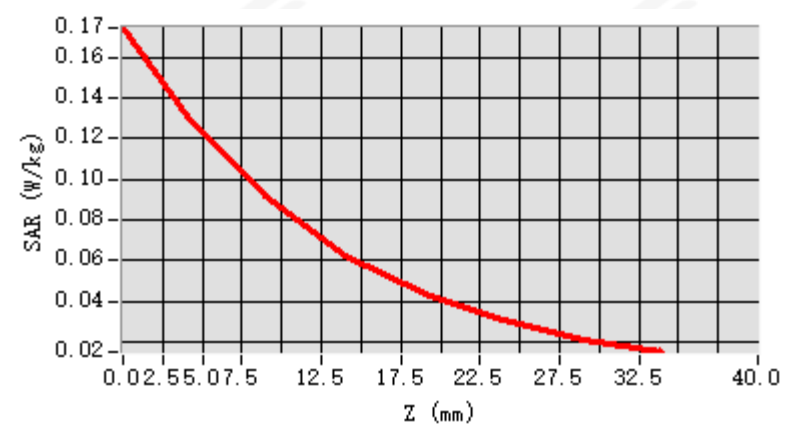
Maximum location: X=-43.00, Y=-18.00 ; SAR Peak: 0.18 W/kg

D. SAR 1g & 10g

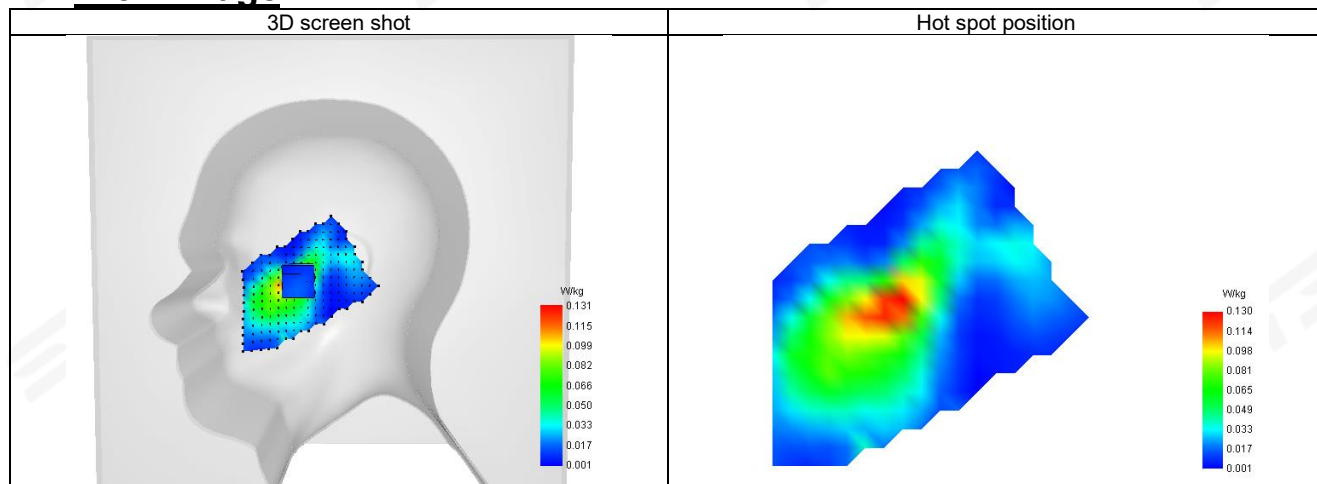
SAR 10g (W/Kg)	0.076
SAR 1g (W/Kg)	0.123
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	70.050742

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.174	0.131	0.092	0.062	0.044	0.031	0.021



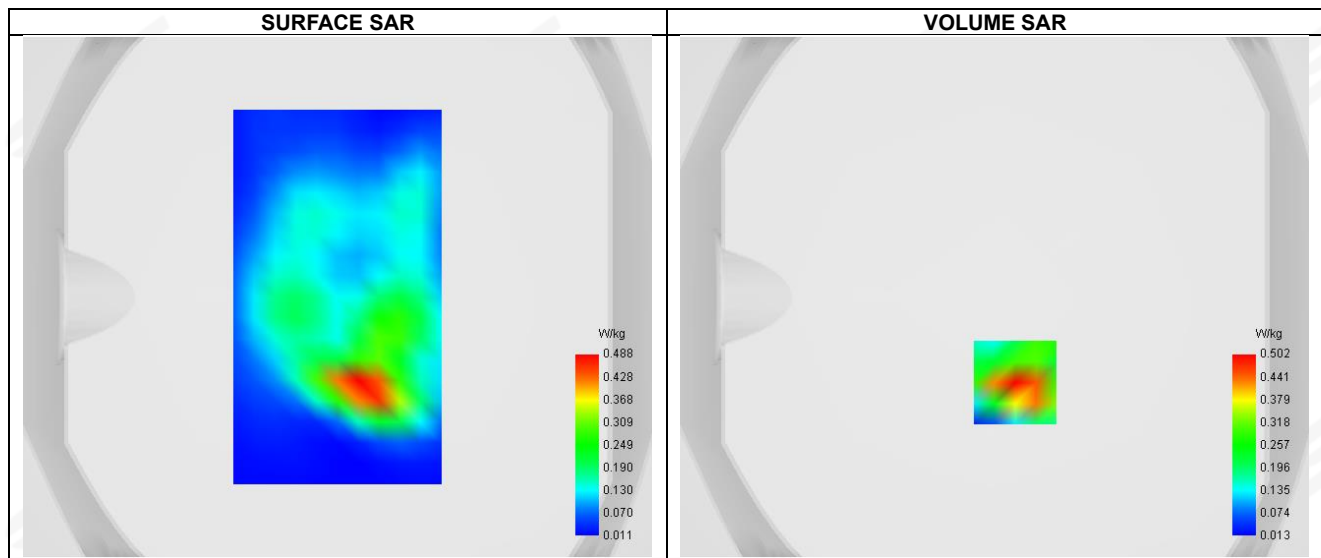
F. 3D Image





Plot 12: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-26
ConvF	1.58
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	LTE band 3
Signal	LTE (Crest factor: 1.0)
Frequency	1747.5



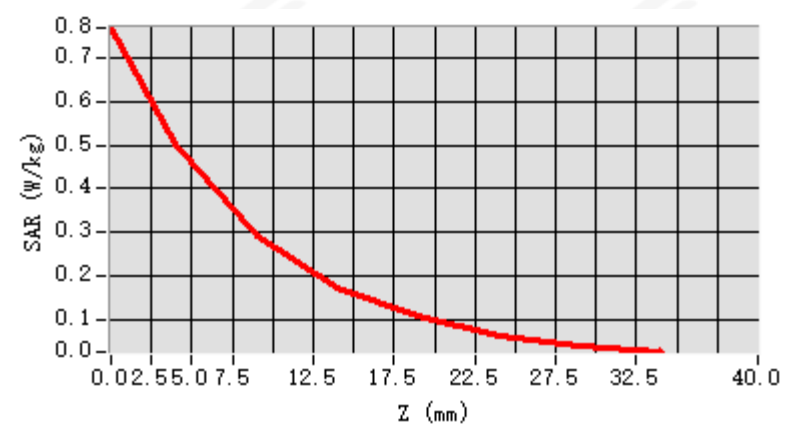
Maximum location: X=8.00, Y=-33.00 ; SAR Peak: 0.79 W/kg

D. SAR 1g & 10g

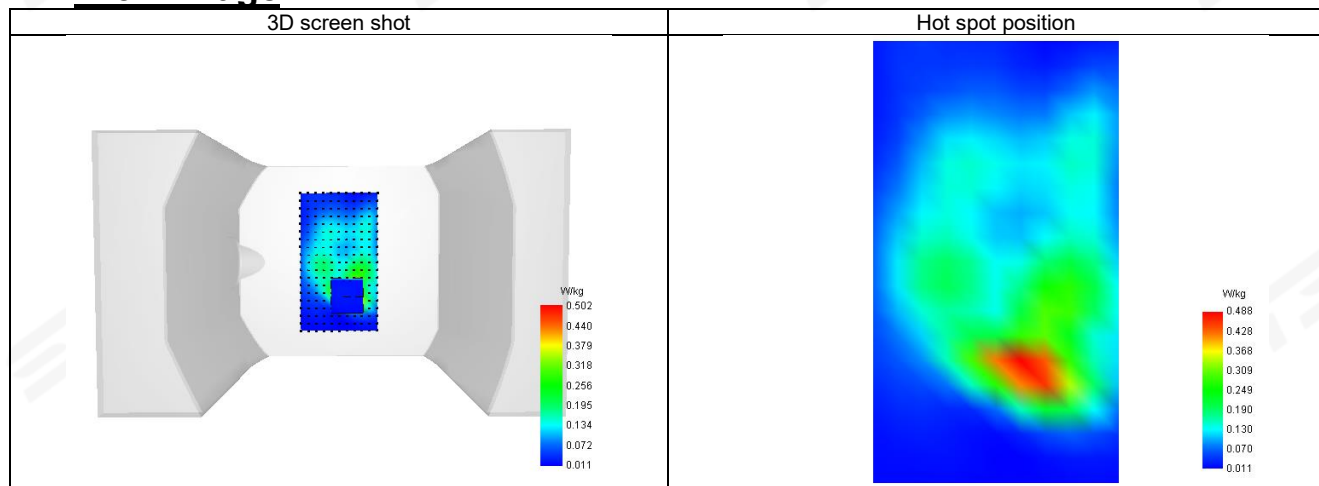
SAR 10g (W/Kg)	0.237
SAR 1g (W/Kg)	0.471
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	58.275708

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.769	0.502	0.292	0.174	0.108	0.065	0.039

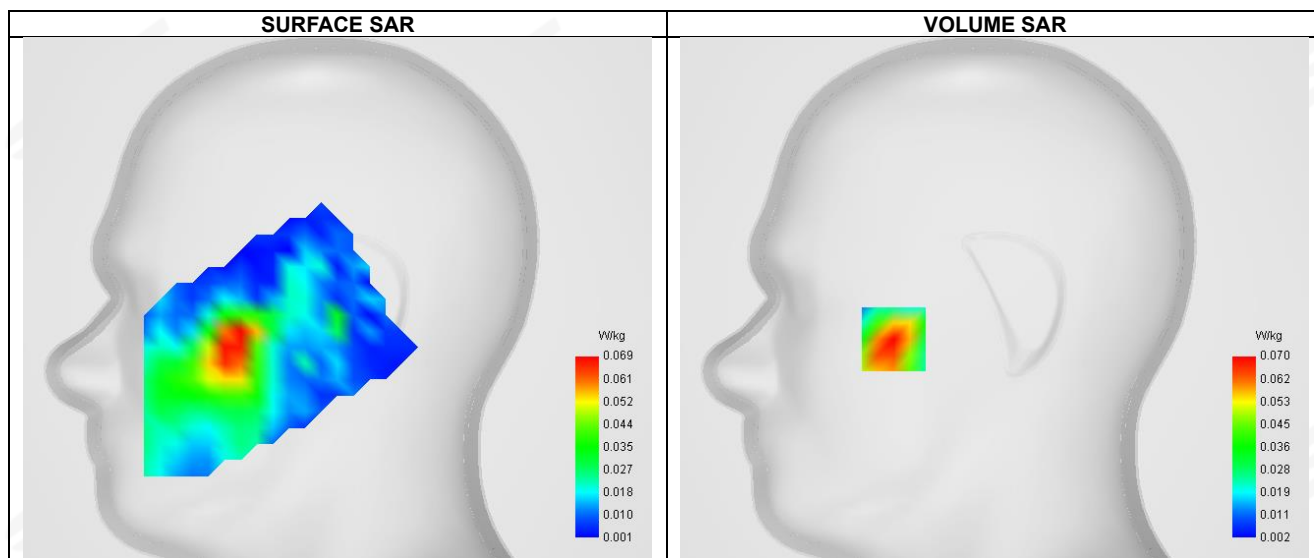


F. 3D Image



Plot 13: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-28
ConvF	1.74
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	LTE band 7
Signal	LTE (Crest factor: 1.0)
Frequency	2560



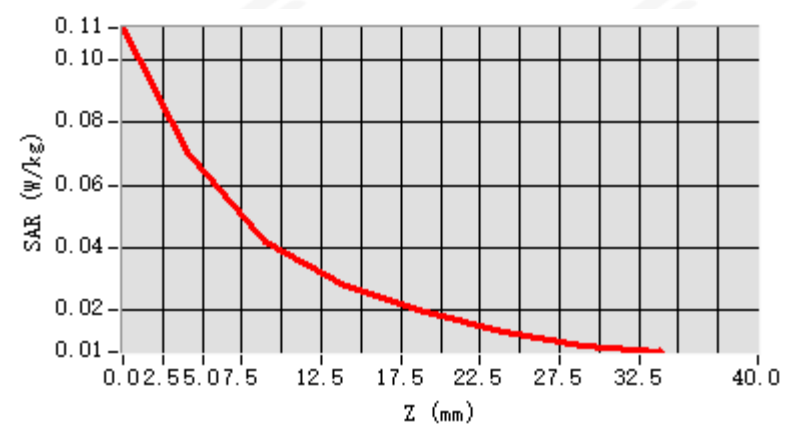
Maximum location: X=-50.00, Y=-20.00 ; SAR Peak: 0.11 W/kg

D. SAR 1g & 10g

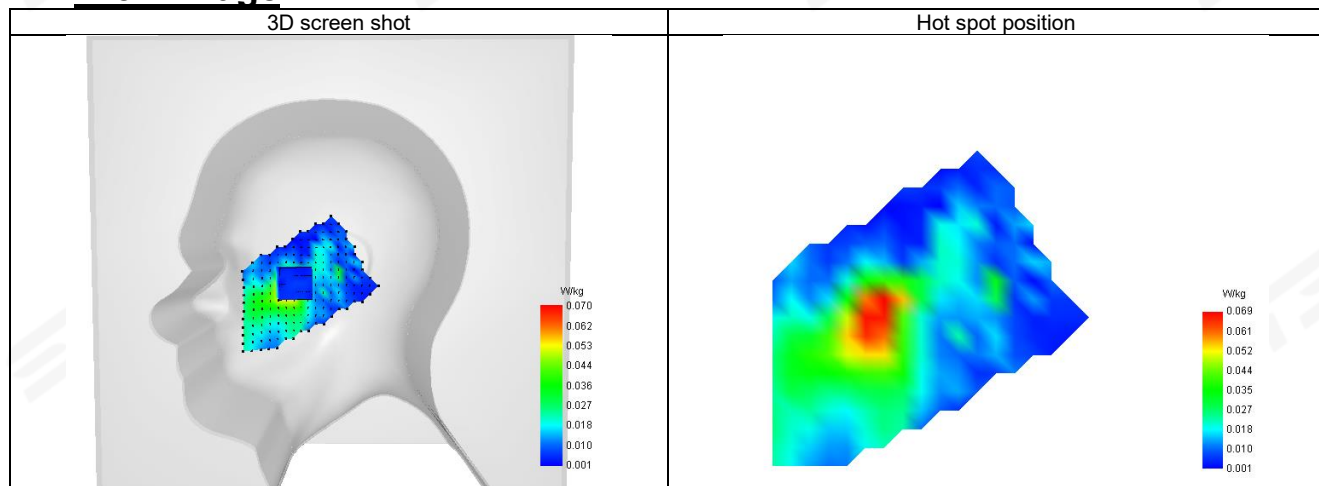
SAR 10g (W/Kg)	0.038
SAR 1g (W/Kg)	0.068
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	59.500218

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.110	0.070	0.042	0.028	0.020	0.013	0.009



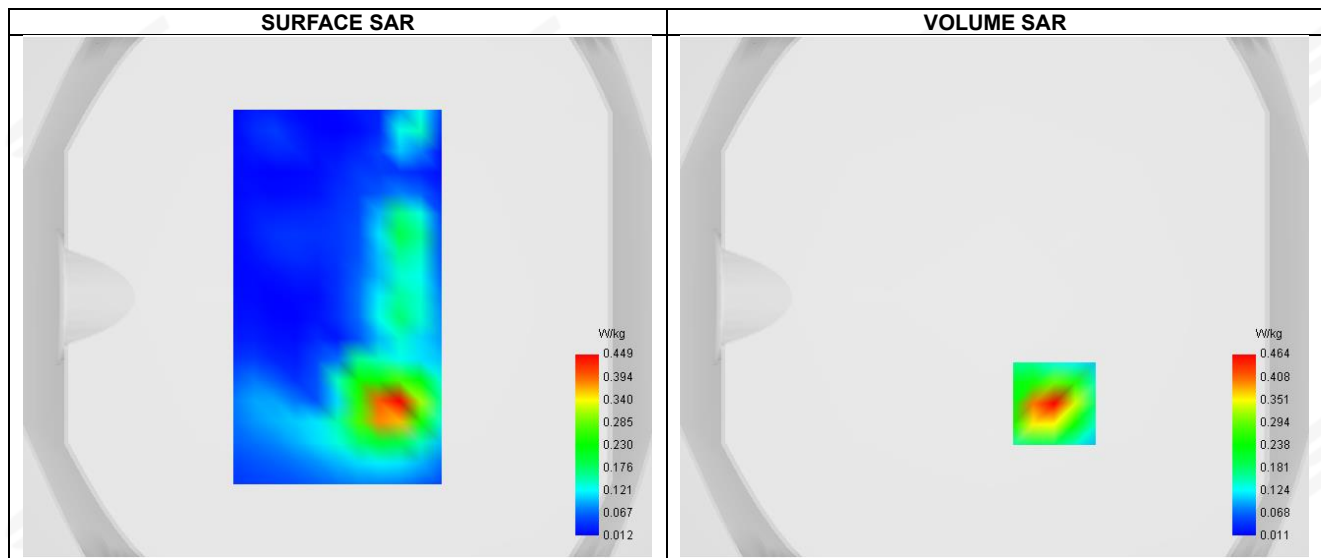
F. 3D Image





Plot 14: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-28
ConvF	1.74
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	LTE band 7
Signal	LTE (Crest factor: 1.0)
Frequency	2560



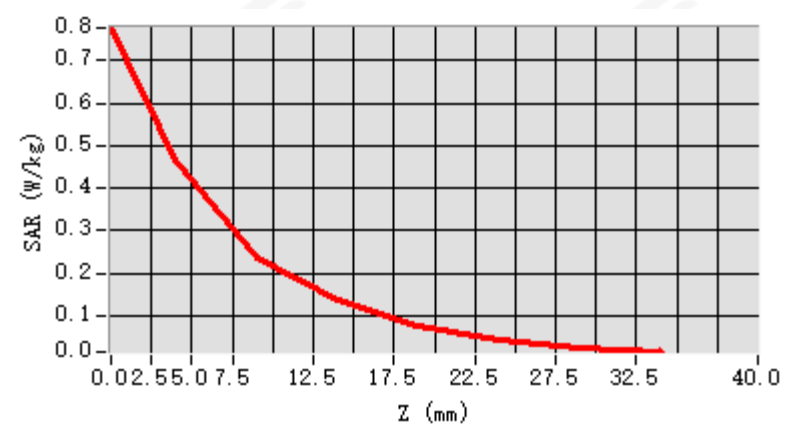
Maximum location: X=23.00, Y=-41.00 ; SAR Peak: 0.79 W/kg

D. SAR 1g & 10g

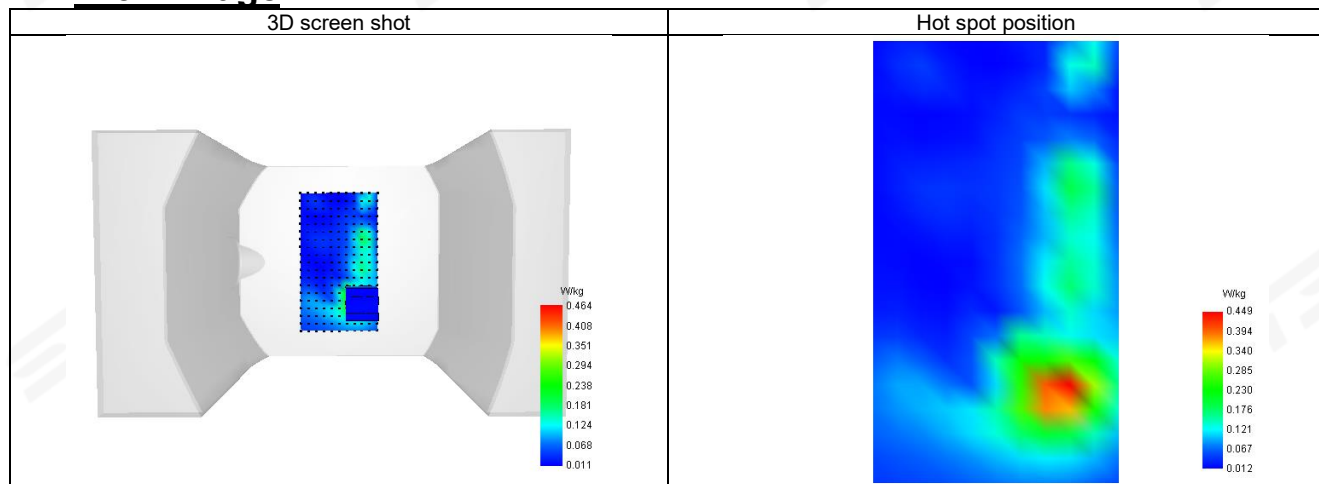
SAR 10g (W/Kg)	0.208
SAR 1g (W/Kg)	0.436
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	51.032829

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.777	0.464	0.237	0.139	0.077	0.043	0.024

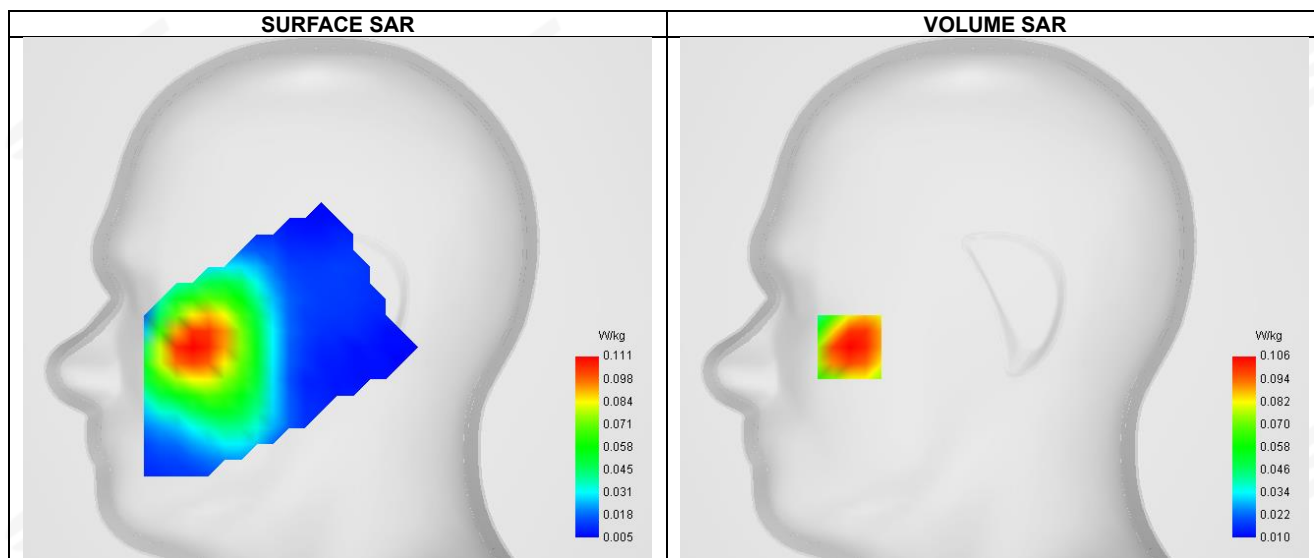


F. 3D Image



Plot 15: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-25
ConvF	1.48
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	LTE band 8
Signal	LTE (Crest factor: 1.0)
Frequency	885



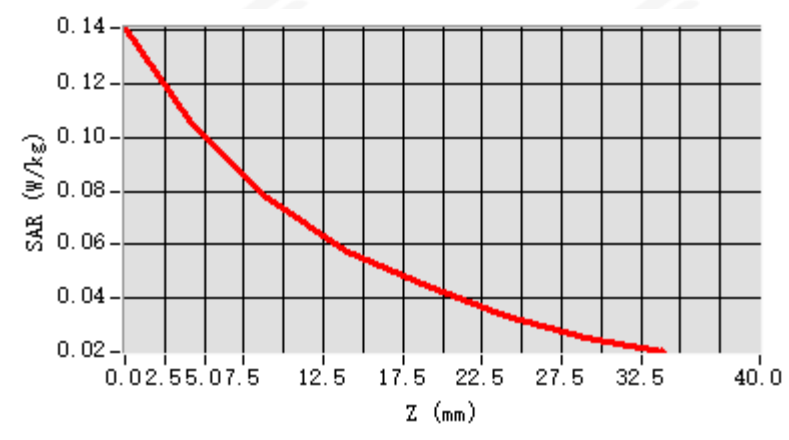
Maximum location: X=-72.00, Y=-24.00 ; SAR Peak: 0.14 W/kg

D. SAR 1g & 10g

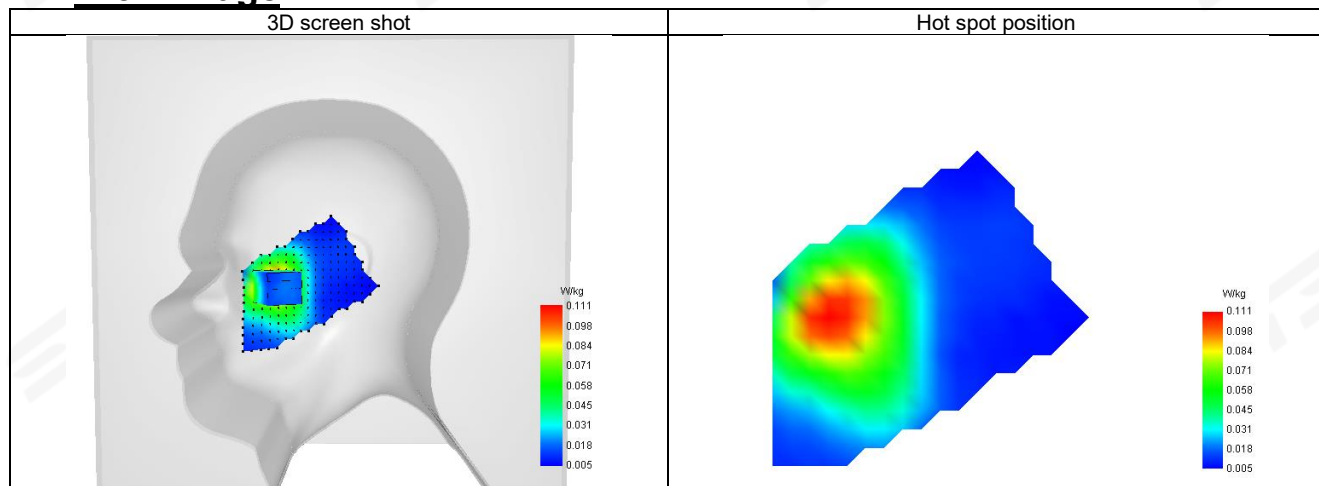
SAR 10g (W/Kg)	0.072
SAR 1g (W/Kg)	0.103
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	72.964318

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.141	0.106	0.078	0.057	0.045	0.034	0.026



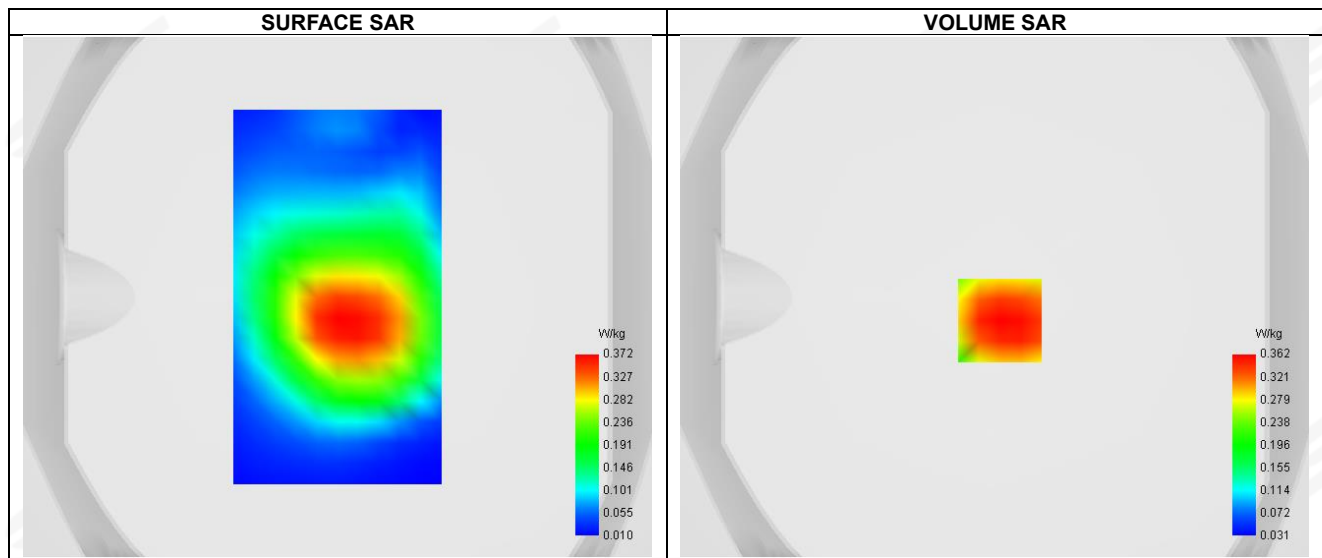
F. 3D Image





Plot 16: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-25
ConvF	1.48
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	LTE band 8
Signal	LTE (Crest factor: 1.0)
Frequency	885



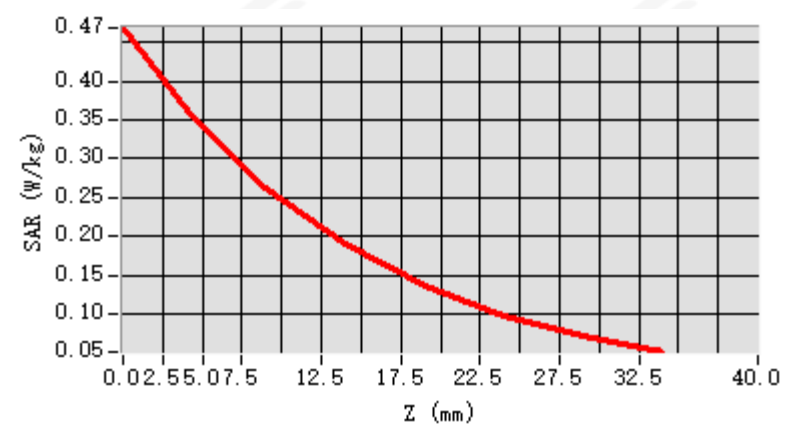
Maximum location: X=2.00, Y=-9.00 ; SAR Peak: 0.48 W/kg

D. SAR 1g & 10g

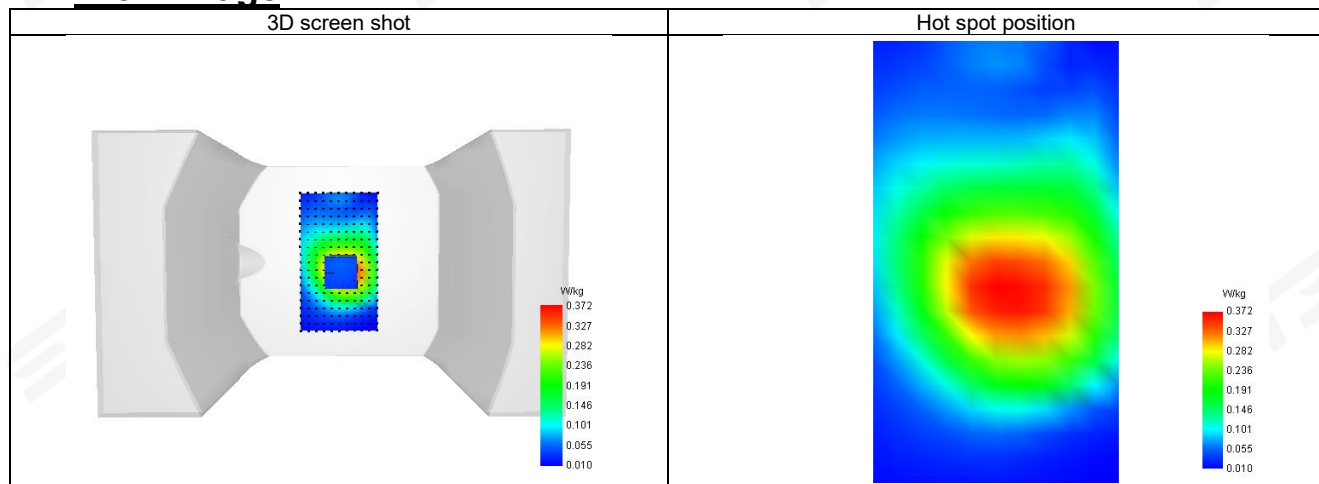
SAR 10g (W/Kg)	0.265
SAR 1g (W/Kg)	0.350
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	56.231188

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.468	0.362	0.261	0.189	0.136	0.098	0.071

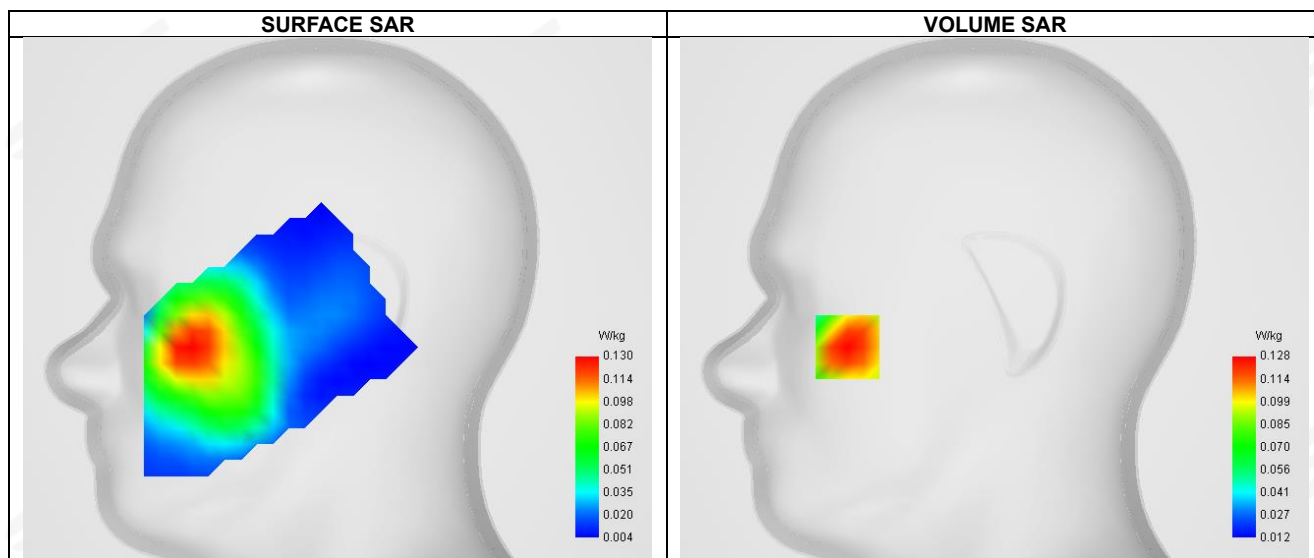


F. 3D Image



Plot 17: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-24
ConvF	1.48
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	LTE band 20
Signal	LTE (Crest factor: 1.0)
Frequency	847



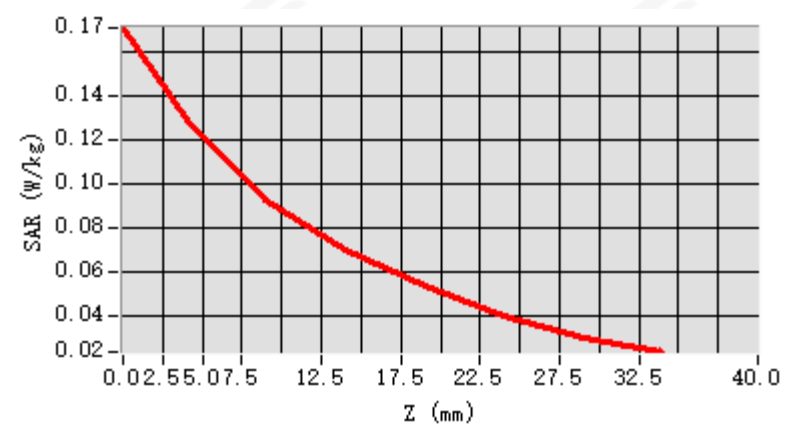
Maximum location: X=-73.00, Y=-24.00 ; SAR Peak: 0.17 W/kg

D. SAR 1g & 10g

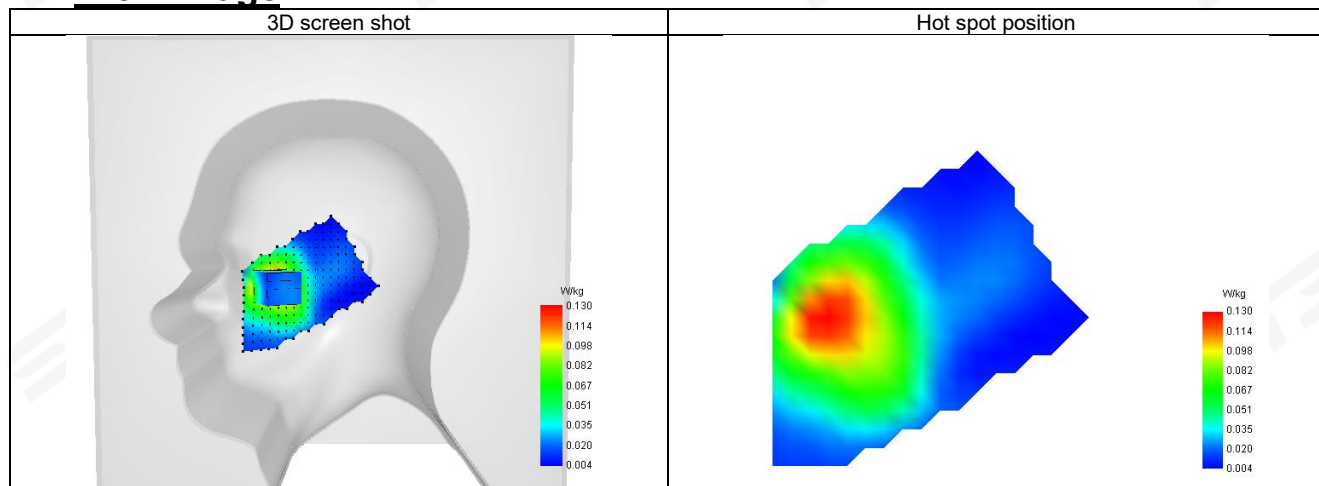
SAR 10g (W/Kg)	0.086
SAR 1g (W/Kg)	0.124
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	72.297660

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.171	0.128	0.093	0.069	0.053	0.040	0.030



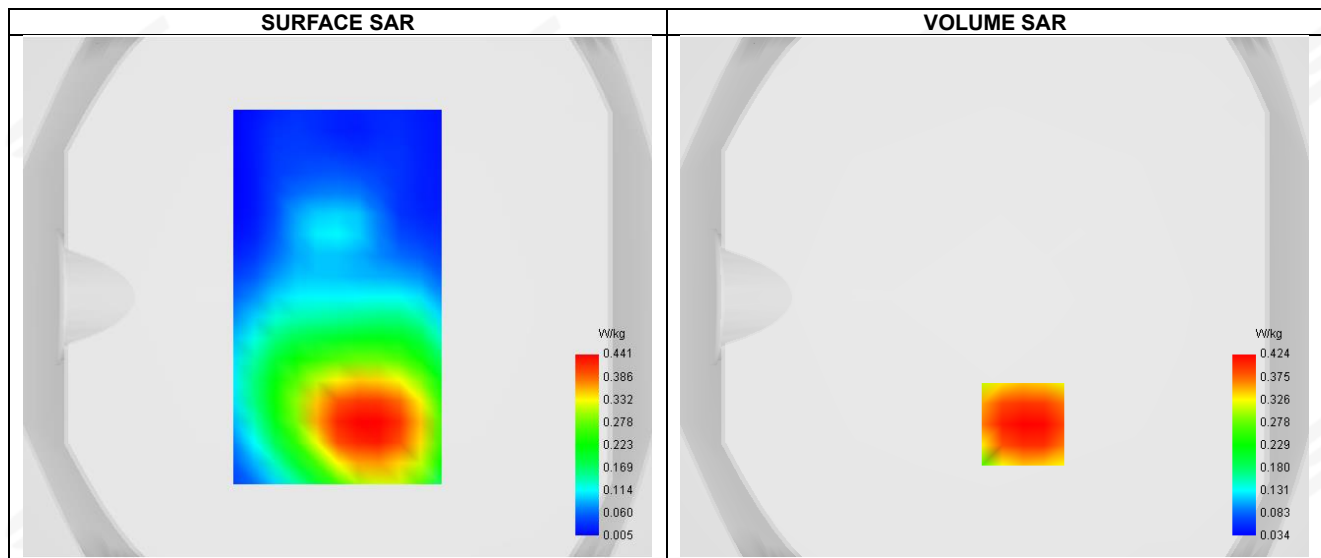
F. 3D Image





Plot 18: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-24
ConvF	1.48
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	LTE band 20
Signal	LTE (Crest factor: 1.0)
Frequency	847



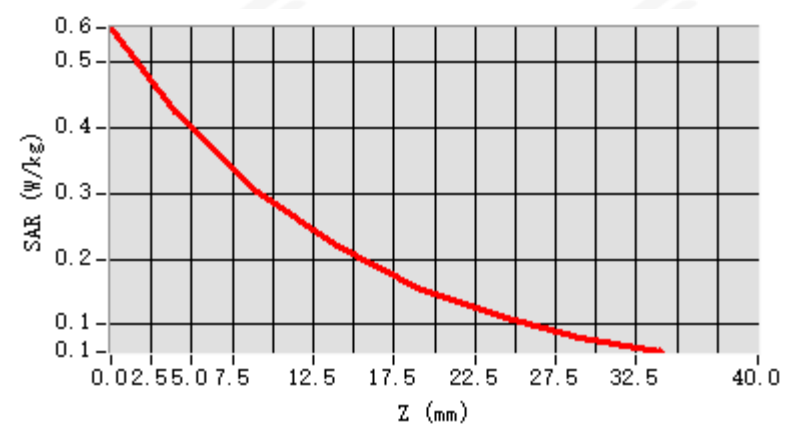
Maximum location: X=11.00, Y=-49.00 ; SAR Peak: 0.57 W/kg

D. SAR 1g & 10g

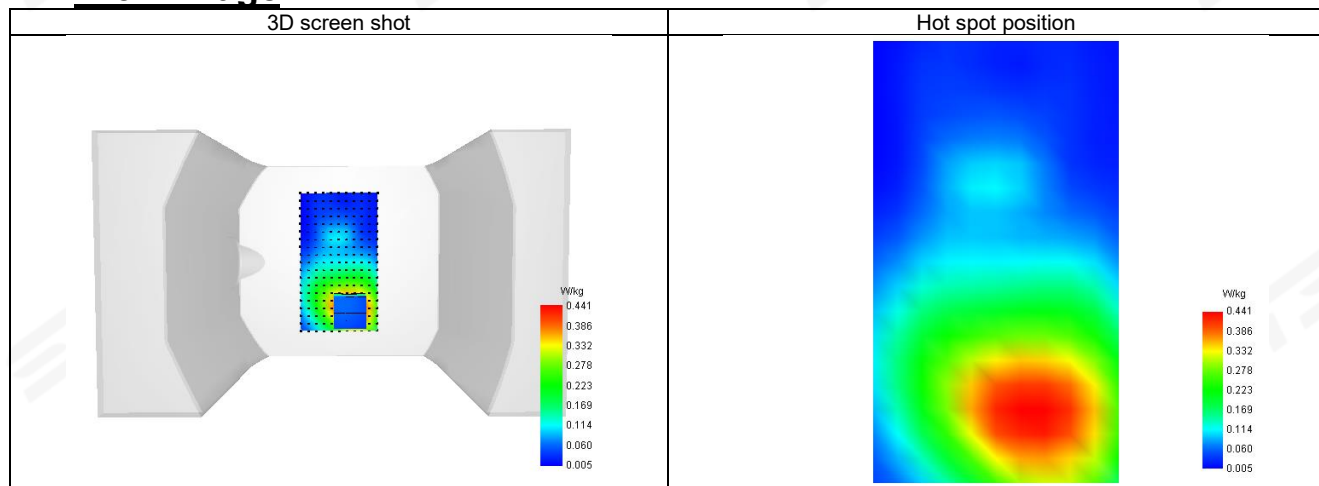
SAR 10g (W/Kg)	0.411
SAR 1g (W/Kg)	0.623
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	52.125161

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.553	0.424	0.303	0.219	0.157	0.113	0.081

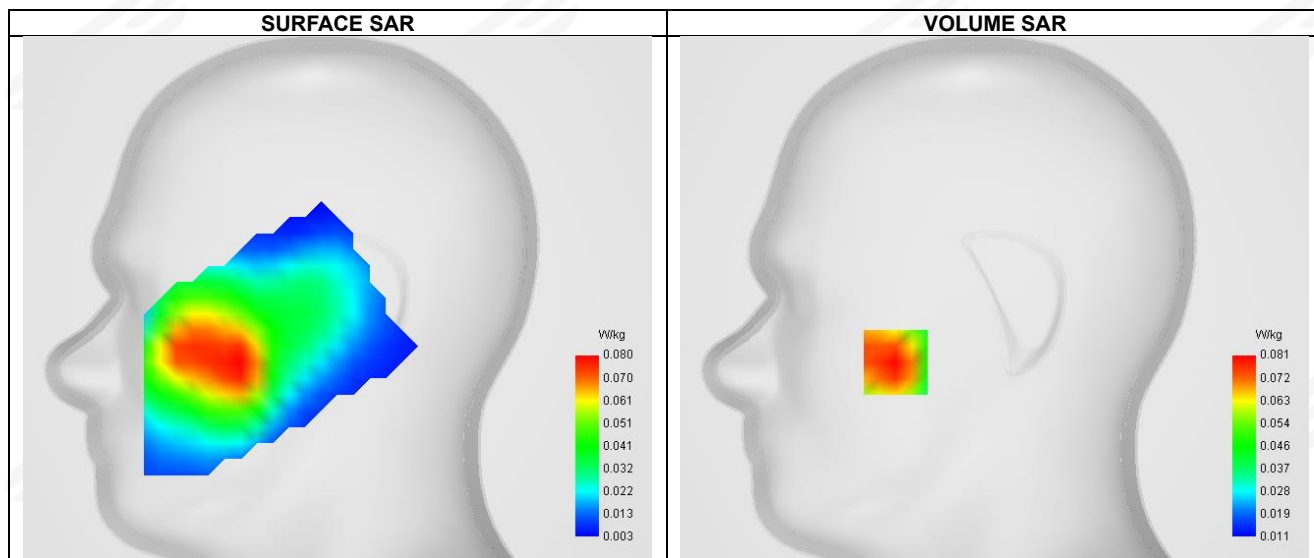


F. 3D Image



Plot 19: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-24
ConvF	1.56
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Left Cheek
Band	LTE band 28
Signal	LTE (Crest factor: 1.0)
Frequency	728



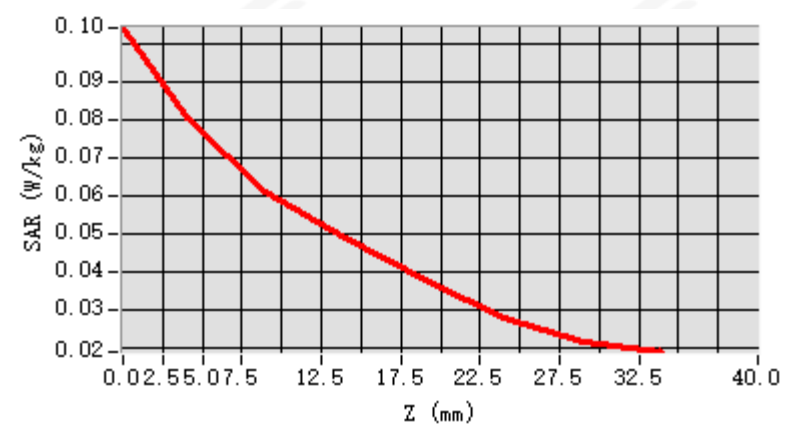
Maximum location: X=-49.00, Y=-32.00 ; SAR Peak: 0.11 W/kg

D. SAR 1g & 10g

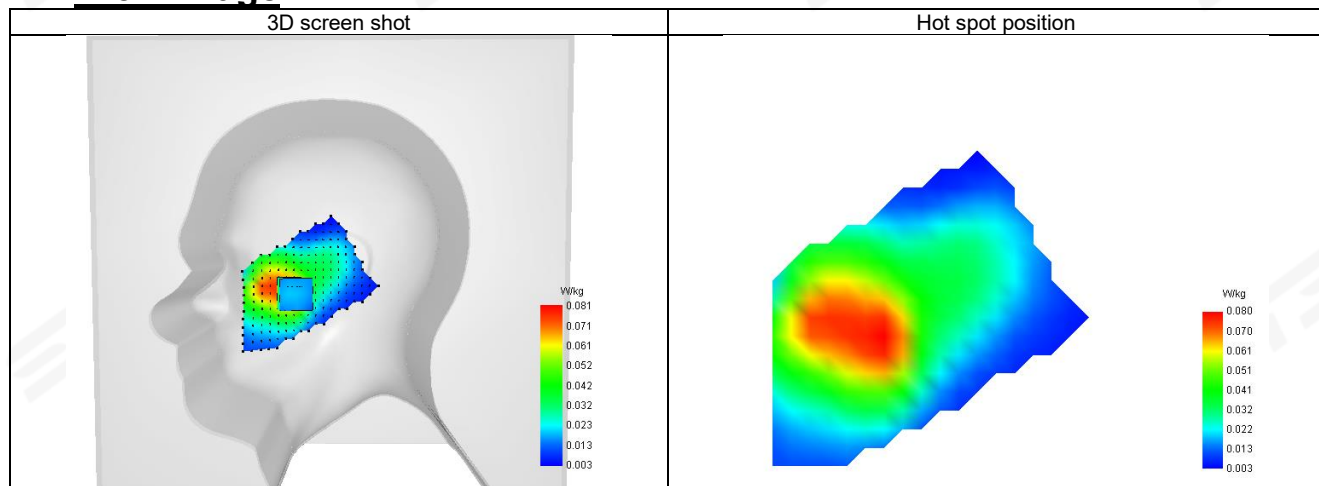
SAR 10g (W/Kg)	0.056
SAR 1g (W/Kg)	0.079
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	75.825213

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.104	0.081	0.061	0.049	0.038	0.028	0.021



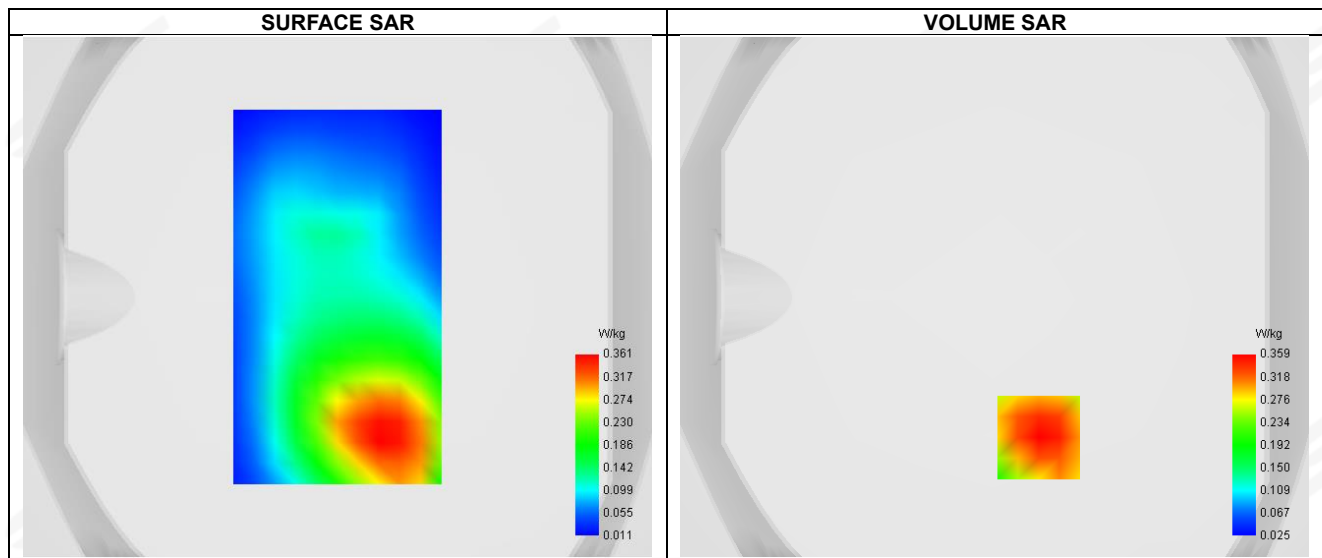
F. 3D Image





Plot 20: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-24
ConvF	1.56
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	LTE band 28
Signal	LTE (Crest factor: 1.0)
Frequency	728



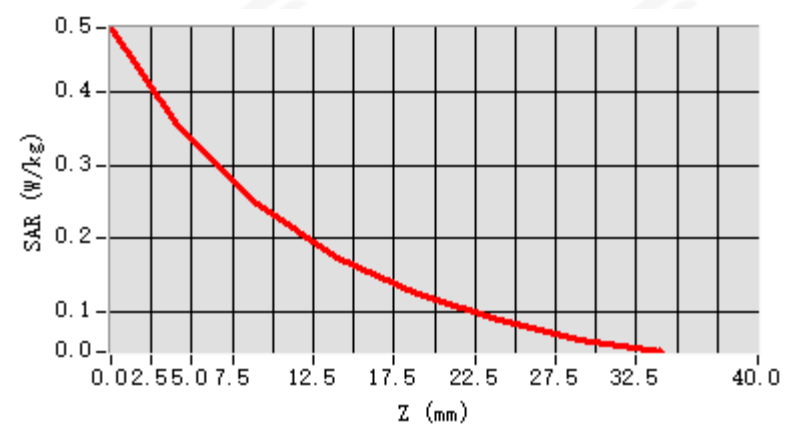
Maximum location: X=17.00, Y=-54.00 ; SAR Peak: 0.49 W/kg

D. SAR 1g & 10g

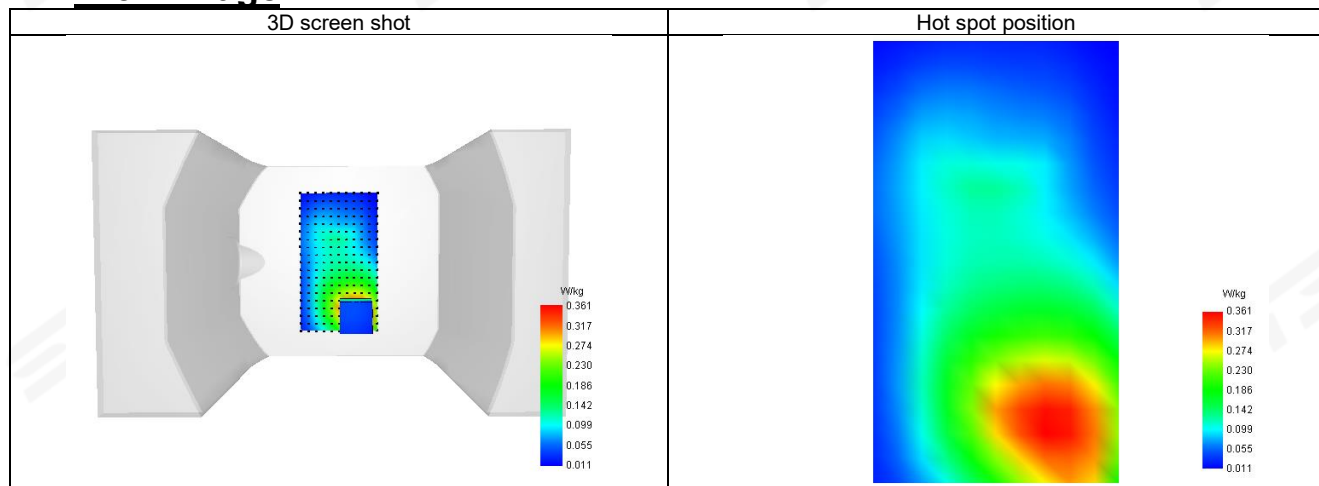
SAR 10g (W/Kg)	0.231
SAR 1g (W/Kg)	0.346
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	72.361151

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.488	0.359	0.248	0.174	0.124	0.087	0.061

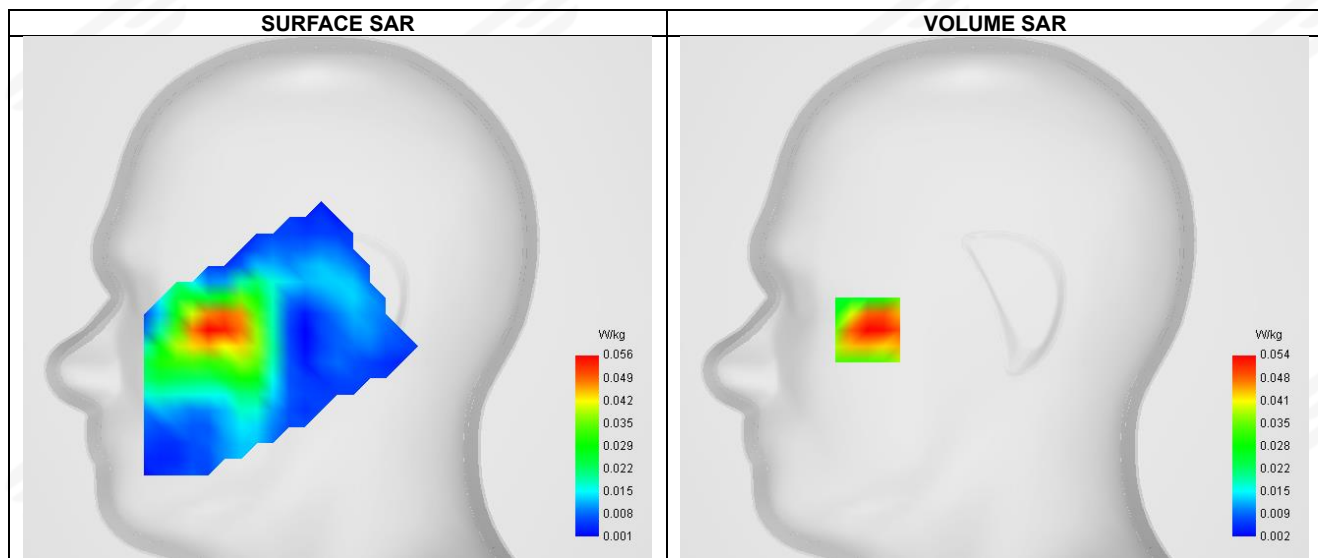


F. 3D Image



Plot 21: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-27
ConvF	1.72
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	SA N1
Signal	Duty Cycle: 1.00 (Crest factor: 1.0)
Frequency	1930



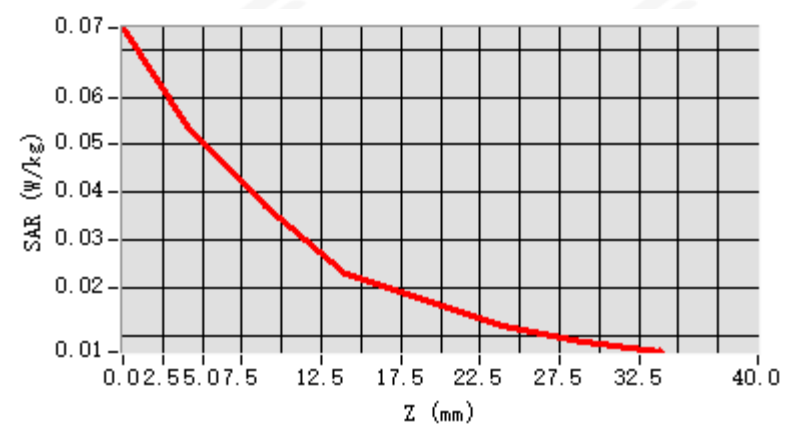
Maximum location: X=-63.00, Y=-16.00 ; SAR Peak: 0.09 W/kg

D. SAR 1g & 10g

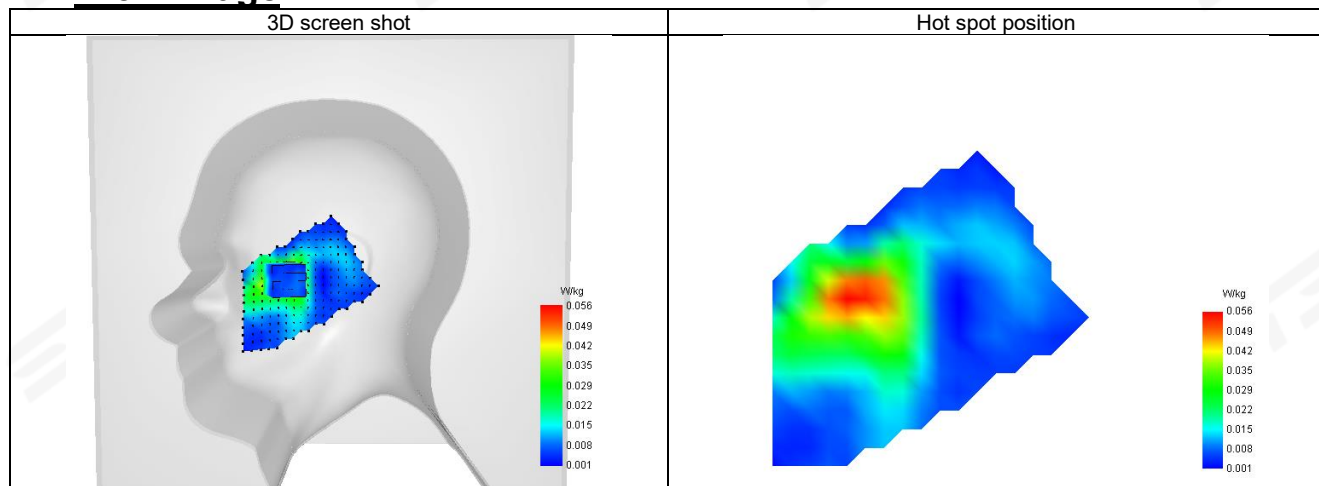
SAR 10g (W/Kg)	0.033
SAR 1g (W/Kg)	0.053
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	68.553862

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.075	0.054	0.037	0.023	0.018	0.012	0.008



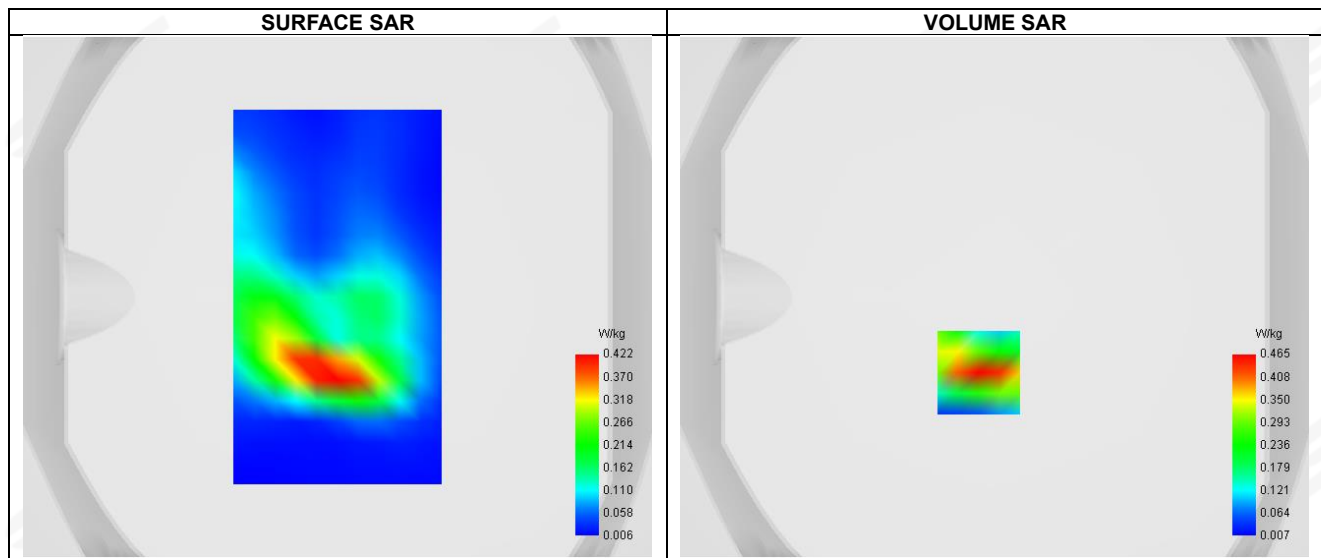
F. 3D Image





Plot 22: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-27
ConvF	1.72
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	SA N1
Signal	Duty Cycle: 1.00 (Crest factor: 1.0)
Frequency	1930



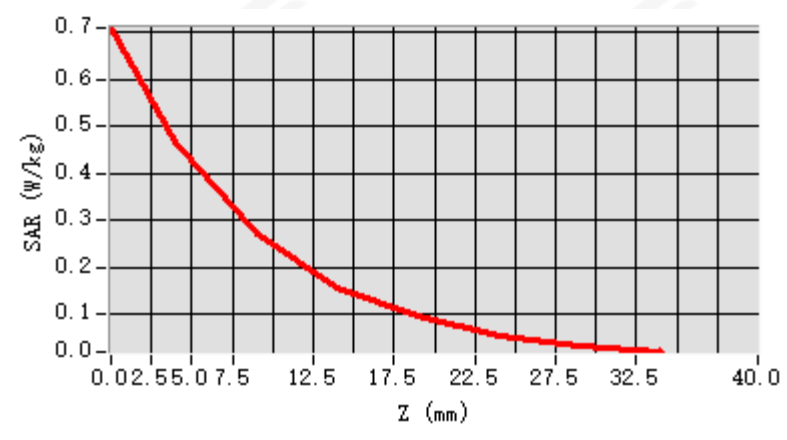
Maximum location: X=-6.00, Y=-29.00 ; SAR Peak: 0.71 W/kg

D. SAR 1g & 10g

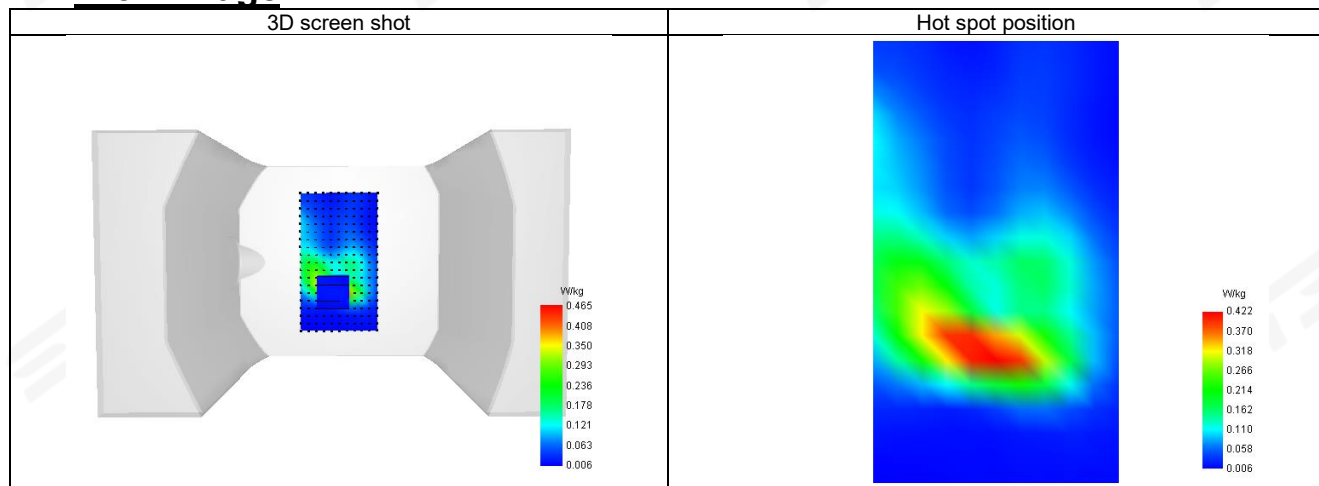
SAR 10g (W/Kg)	0.213
SAR 1g (W/Kg)	0.418
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	58.231234

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.708	0.465	0.271	0.159	0.096	0.057	0.033



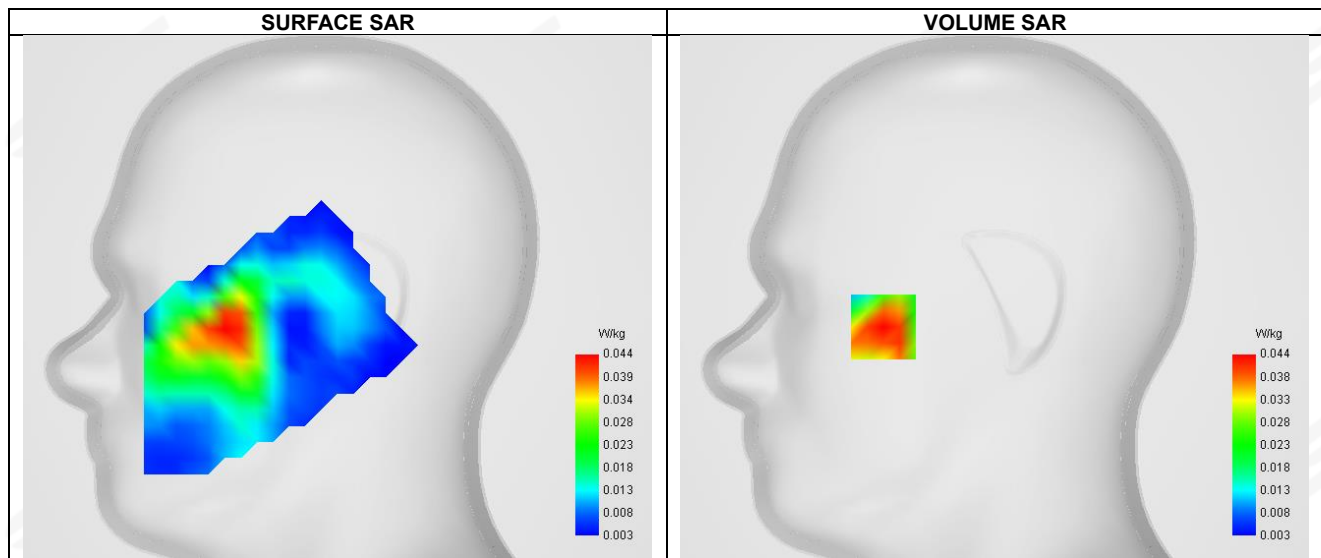
F. 3D Image





Plot 23: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-26
ConvF	1.58
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	SA N3
Signal	Duty Cycle: 1.00 (Crest factor: 1.0)
Frequency	1747.5



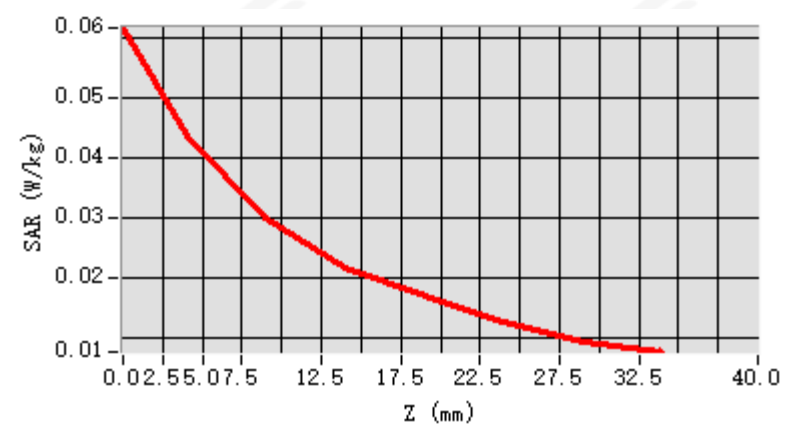
Maximum location: X=-55.00, Y=-15.00 ; SAR Peak: 0.06 W/kg

D. SAR 1g & 10g

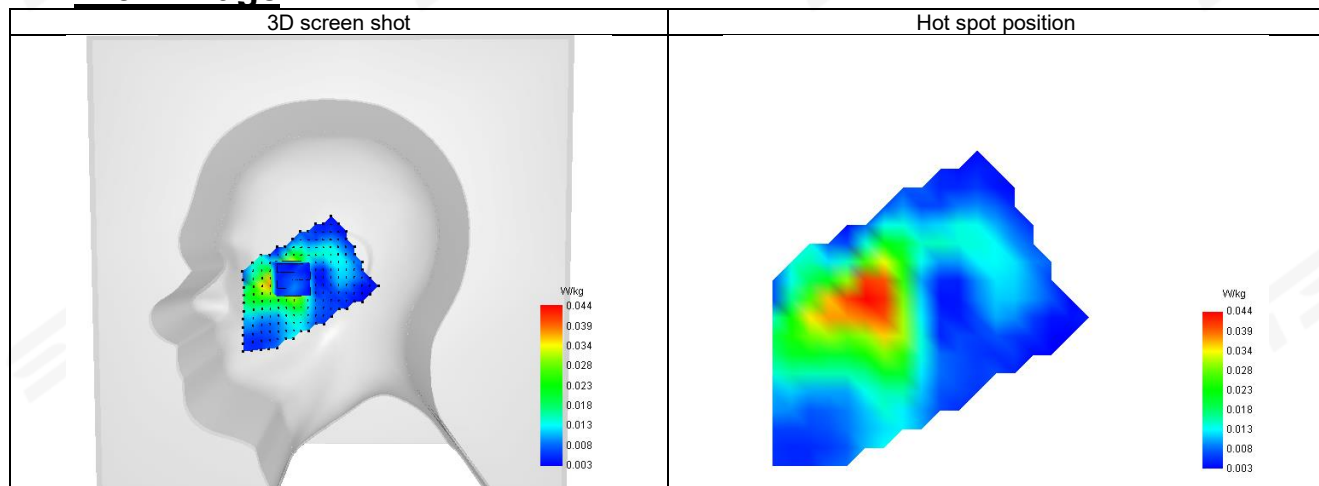
SAR 10g (W/Kg)	0.027
SAR 1g (W/Kg)	0.042
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	68.739432

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.062	0.044	0.030	0.022	0.017	0.013	0.009



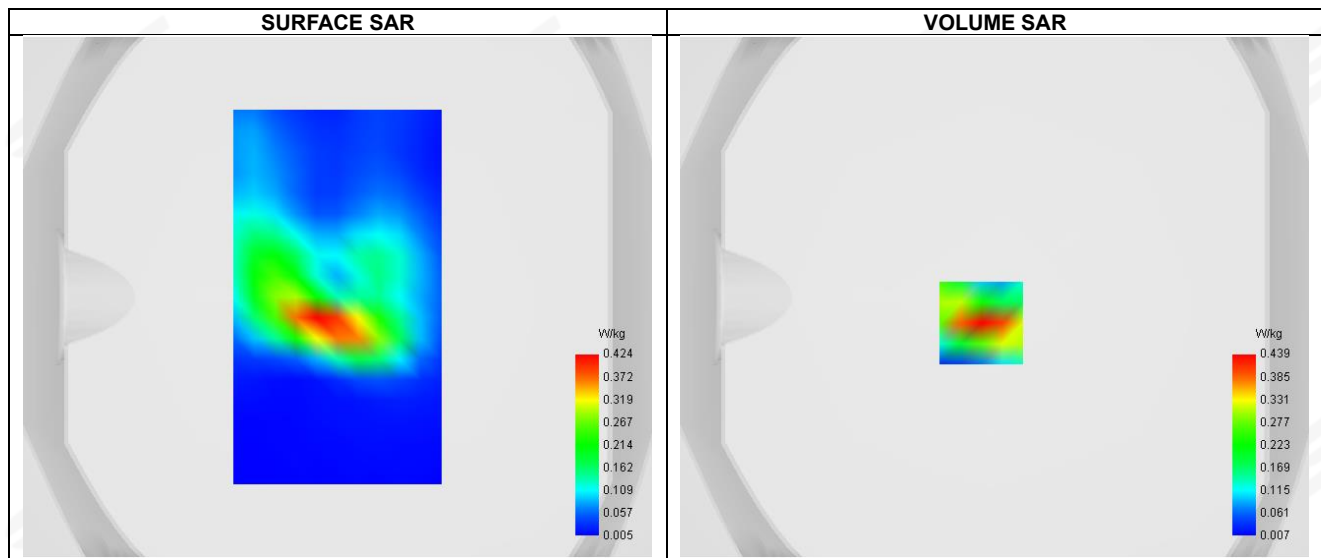
F. 3D Image





Plot 24: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-26
ConvF	1.58
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	SA N3
Signal	Duty Cycle: 1.00 (Crest factor: 1.0)
Frequency	1747.5



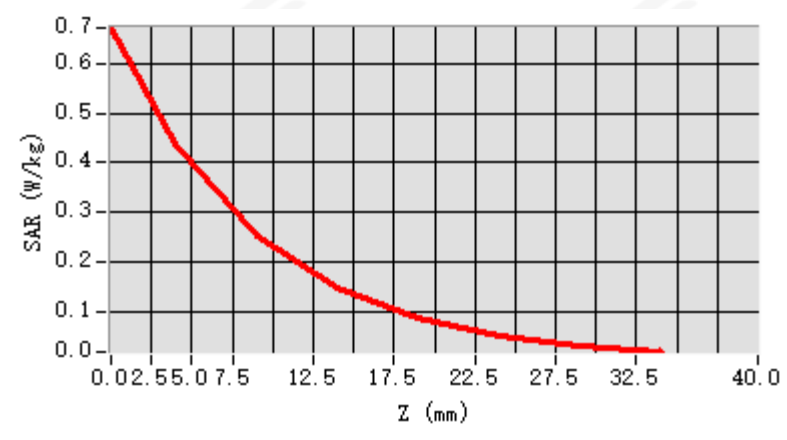
Maximum location: X=-5.00, Y=-10.00 ; SAR Peak: 0.67 W/kg

D. SAR 1g & 10g

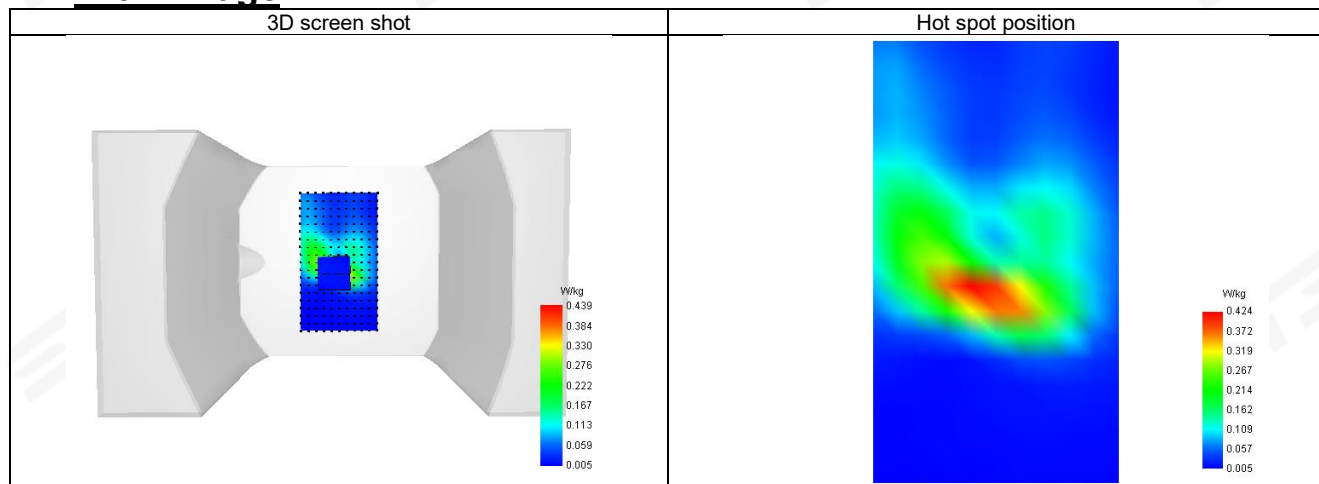
SAR 10g (W/Kg)	0.196
SAR 1g (W/Kg)	0.394
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	57.731052

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.671	0.439	0.253	0.148	0.088	0.051	0.030



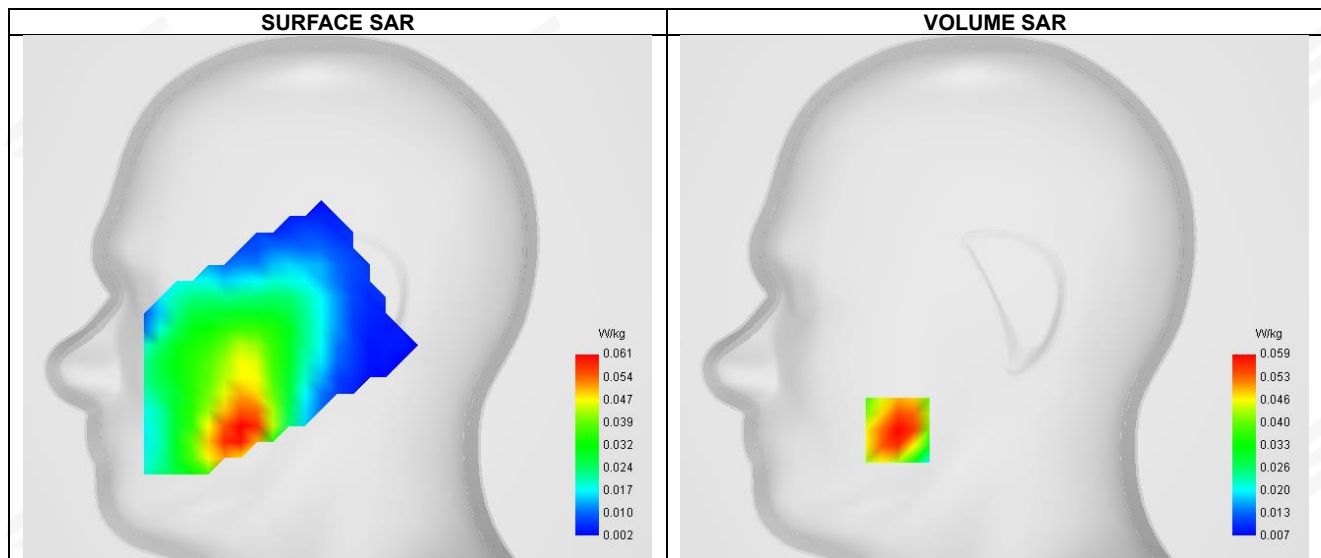
F. 3D Image





Plot 25: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-25
ConvF	1.58
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	SA N8
Signal	Duty Cycle: 1.00 (Crest factor: 1.0)
Frequency	897.5

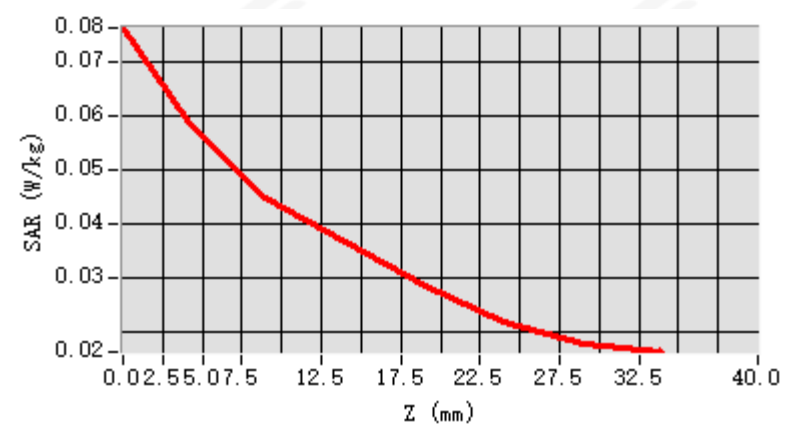


D. SAR 1g & 10g

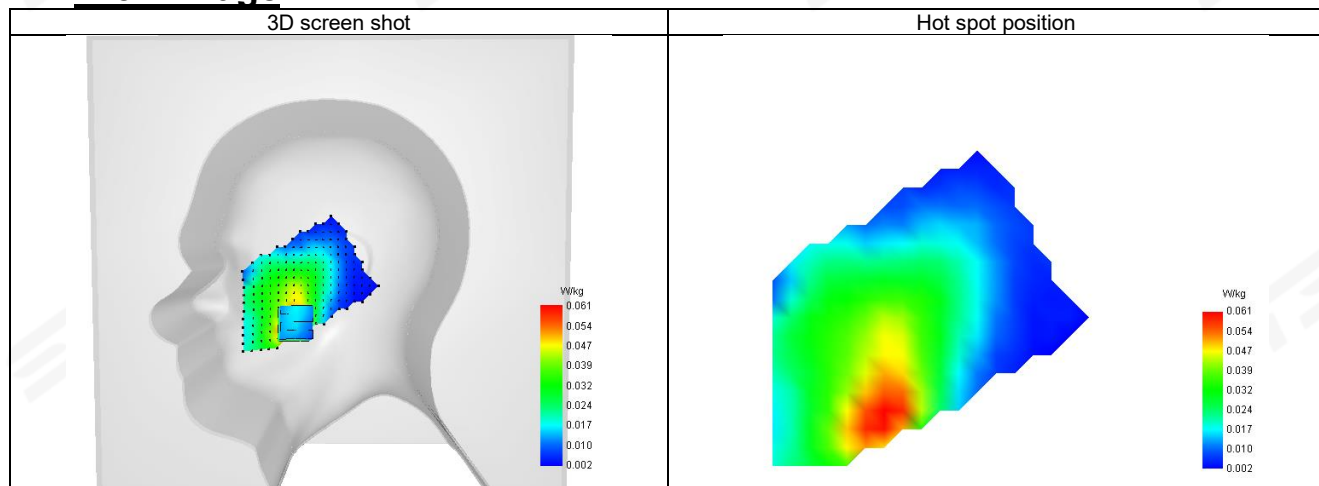
SAR 10g (W/Kg)	0.041
SAR 1g (W/Kg)	0.058
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	75.862916

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.076	0.059	0.045	0.037	0.029	0.022	0.018



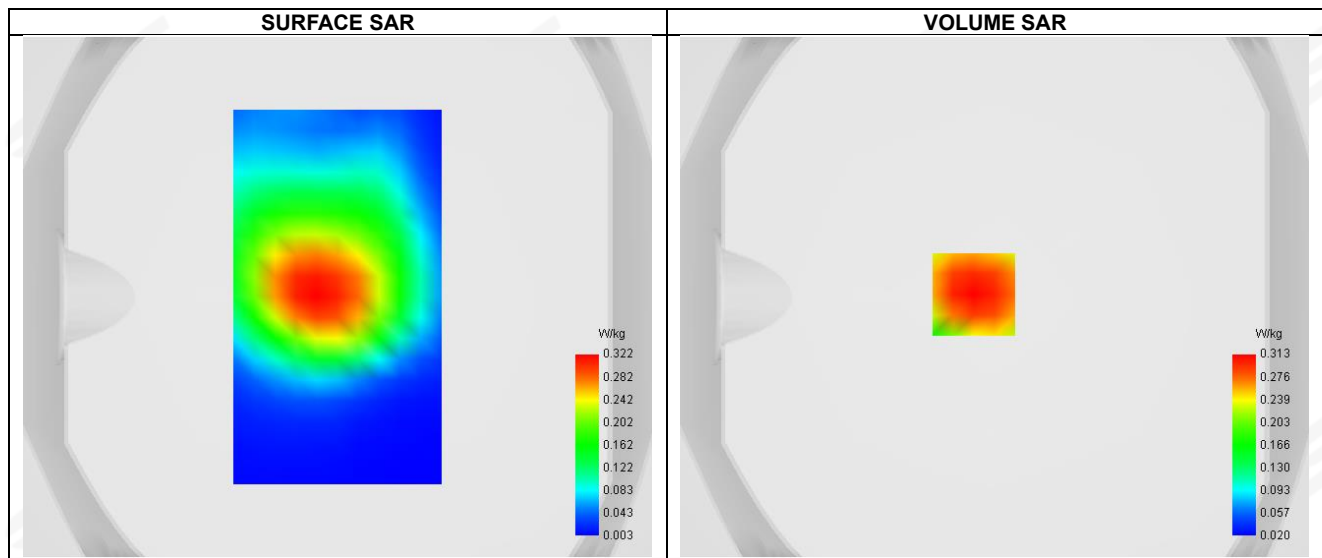
F. 3D Image





Plot 26: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-25
ConvF	1.58
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	SA N8
Signal	Duty Cycle: 1.00 (Crest factor: 1.0)
Frequency	897.5



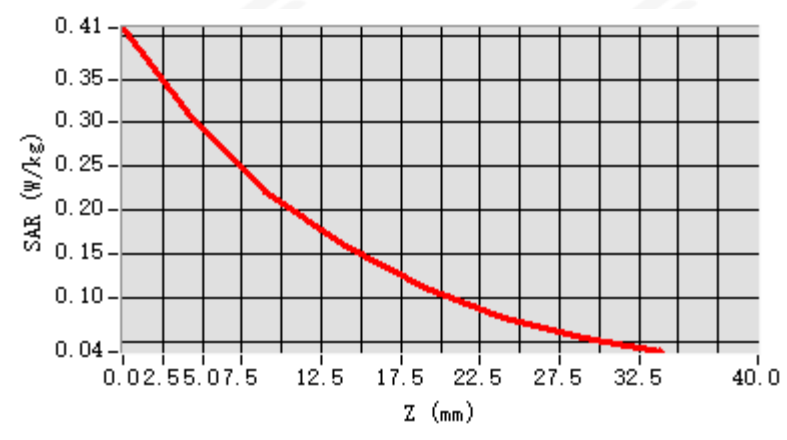
Maximum location: X=-8.00, Y=1.00 ; SAR Peak: 0.41 W/kg

D. SAR 1g & 10g

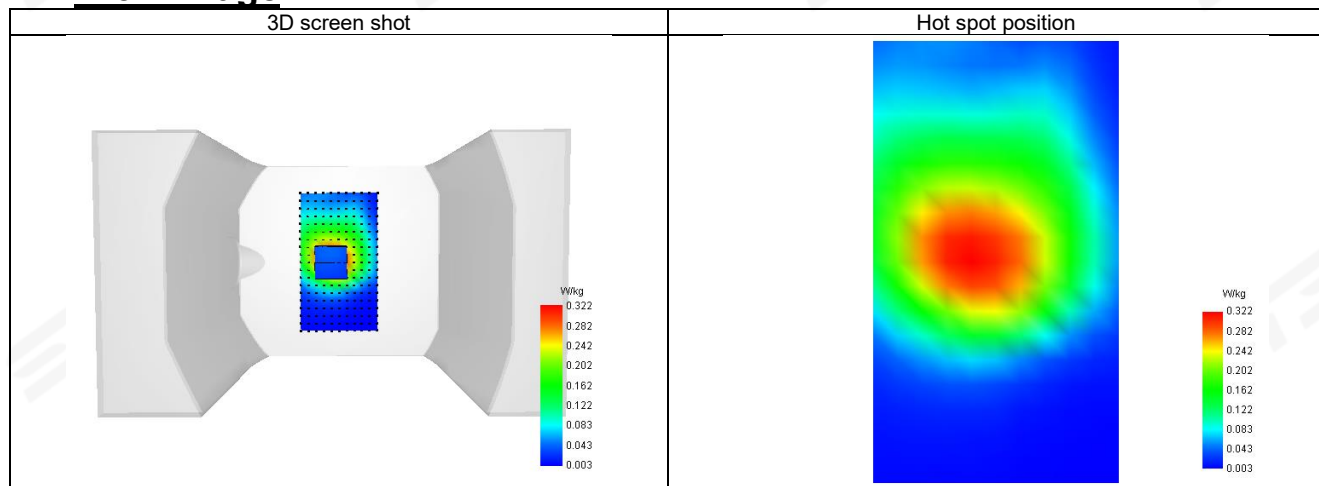
SAR 10g (W/Kg)	0.204
SAR 1g (W/Kg)	0.302
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	74.156136

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	0.313	0.221	0.158	0.110	0.078	0.055

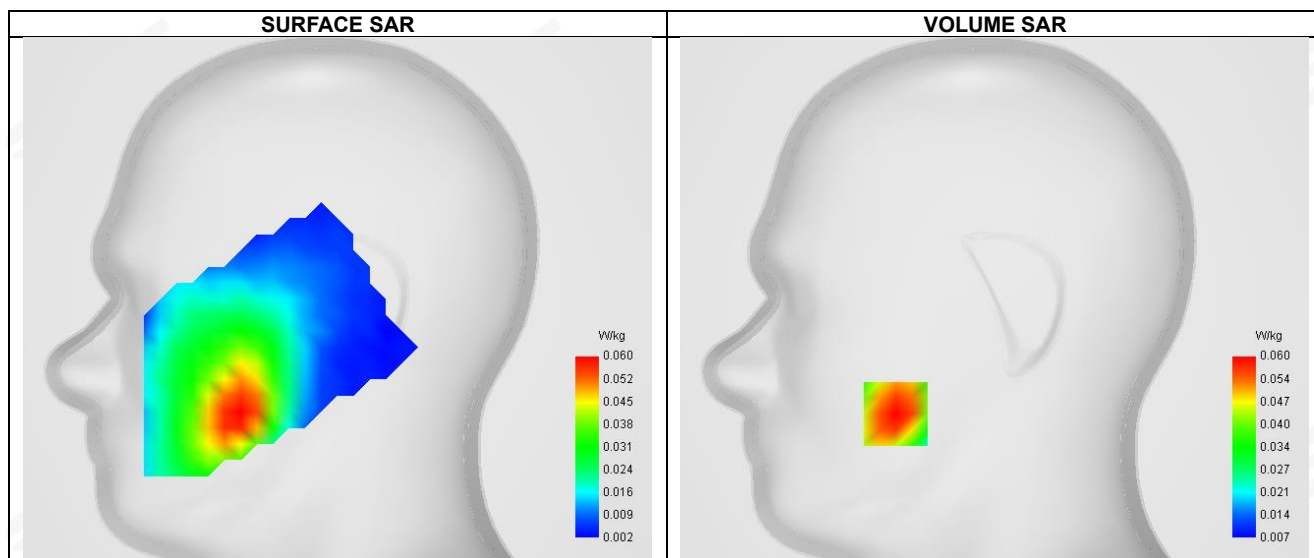


F. 3D Image



Plot 27: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-25
ConvF	1.58
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	SA N20
Signal	Duty Cycle: 1.00 (Crest factor: 1.0)
Frequency	847



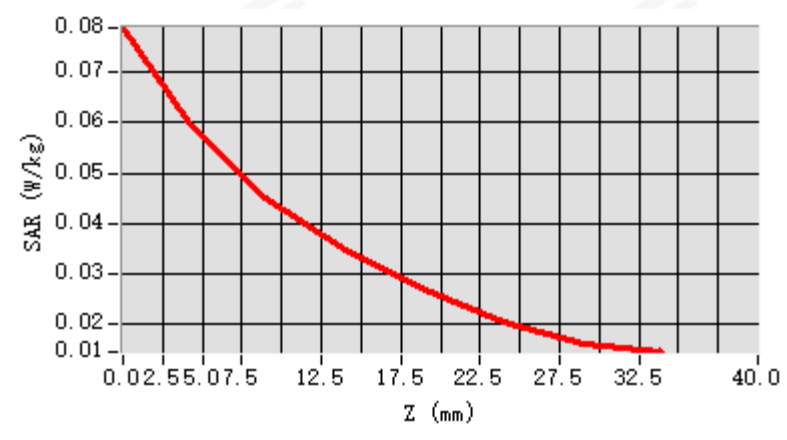
Maximum location: X=-49.00, Y=-57.00 ; SAR Peak: 0.08 W/kg

D. SAR 1g & 10g

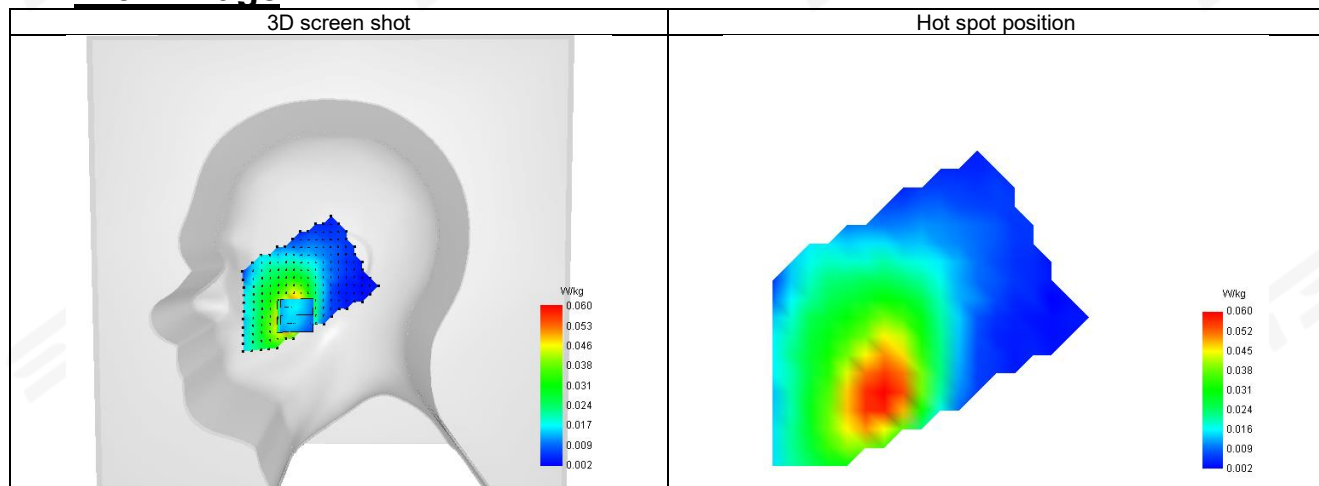
SAR 10g (W/Kg)	0.041
SAR 1g (W/Kg)	0.059
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	74.365880

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.079	0.060	0.045	0.035	0.027	0.020	0.016



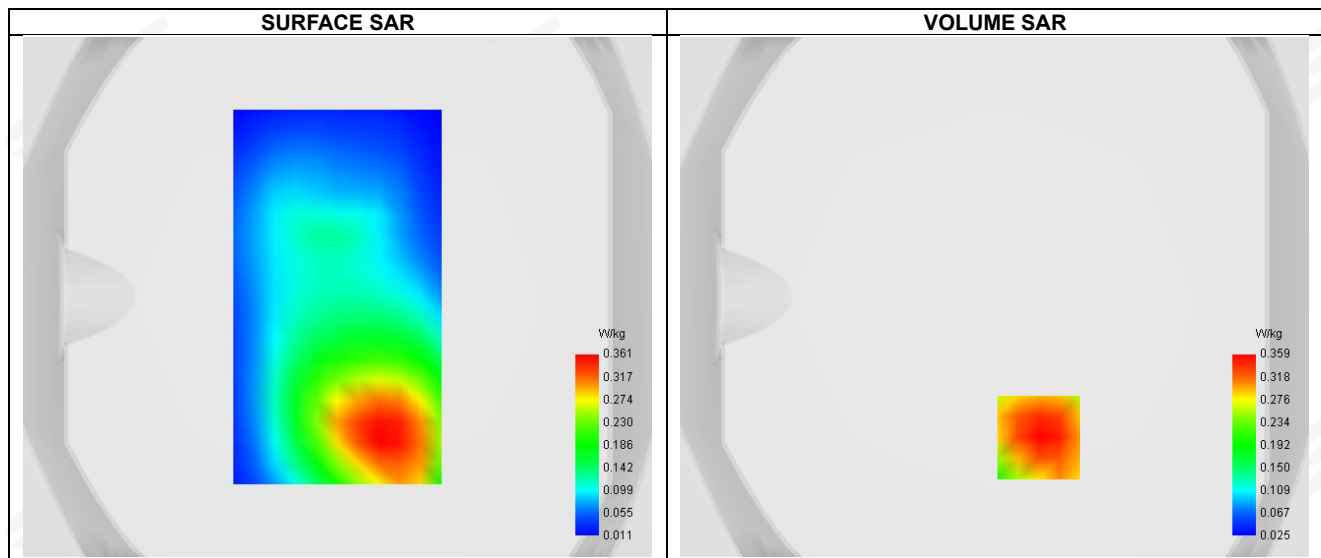
F. 3D Image





Plot 28: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-25
ConvF	1.58
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	SA N20
Signal	Duty Cycle: 1.00 (Crest factor: 1.0)
Frequency	847



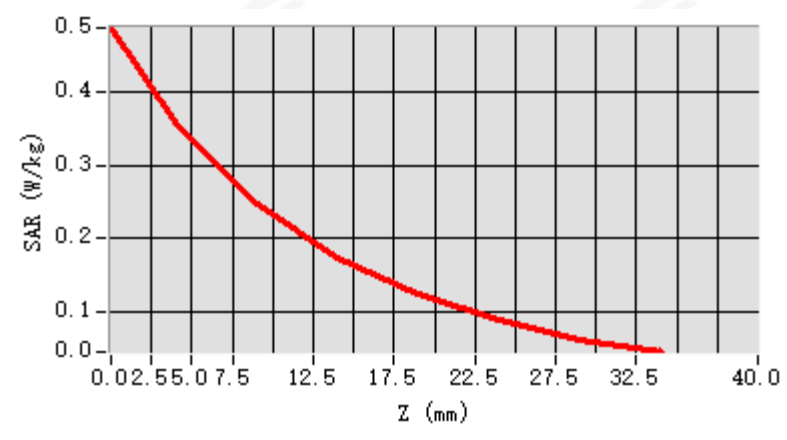
Maximum location: X=17.00, Y=-54.00 ; SAR Peak: 0.49 W/kg

D. SAR 1g & 10g

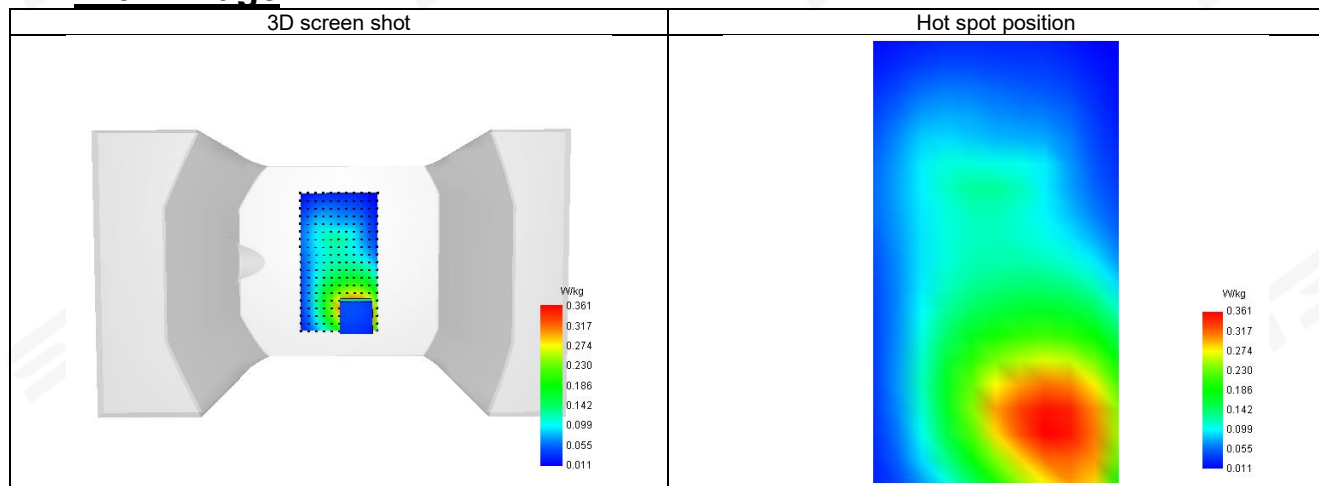
SAR 10g (W/Kg)	0.188
SAR 1g (W/Kg)	0.346
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	66.215569

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.488	0.359	0.248	0.174	0.124	0.087	0.061



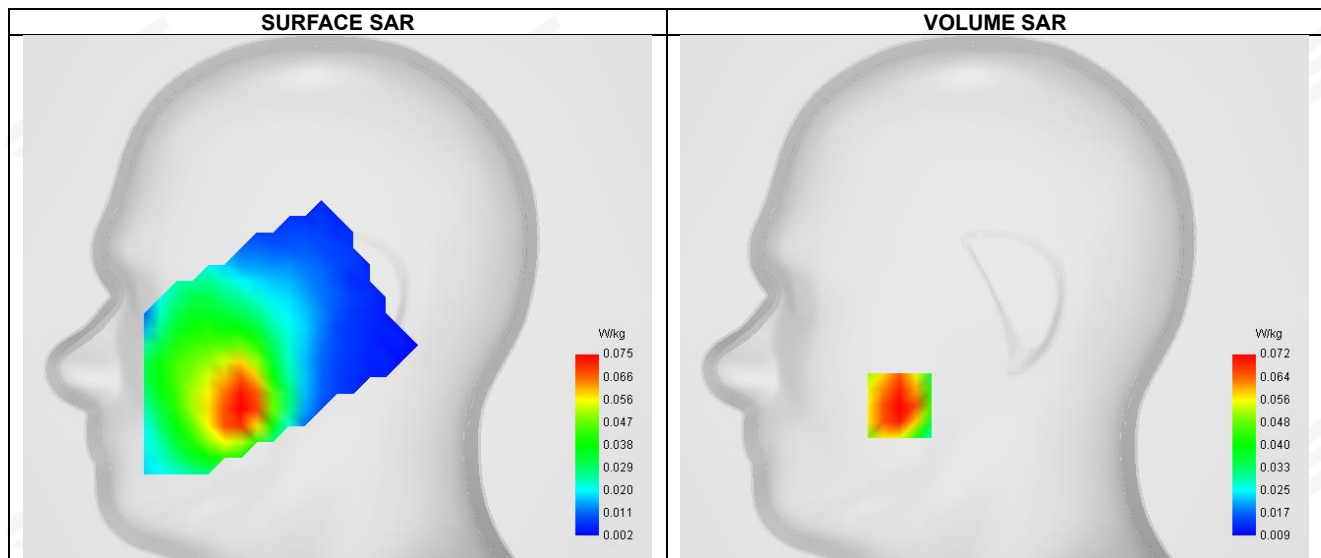
F. 3D Image





Plot 29: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-24
ConvF	1.56
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	SA N28
Signal	Duty Cycle: 1.00 (Crest factor: 1.0)
Frequency	723



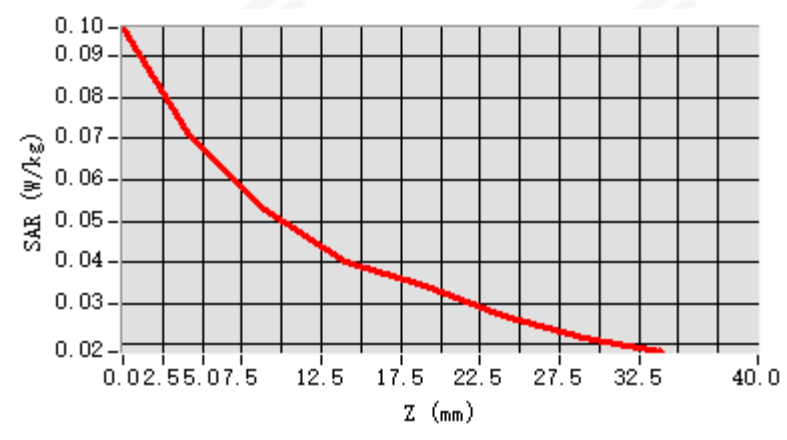
Maximum location: X=-47.00, Y=-54.00 ; SAR Peak: 0.10 W/kg

D. SAR 1g & 10g

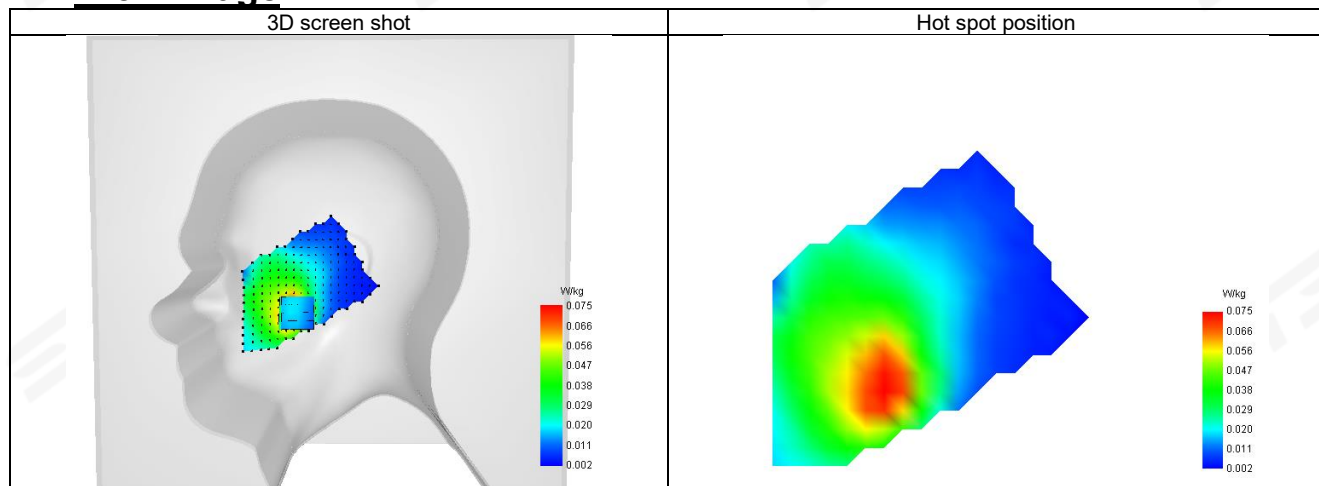
SAR 10g (W/Kg)	0.051
SAR 1g (W/Kg)	0.074
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	73.997324

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.097	0.072	0.053	0.040	0.034	0.027	0.021



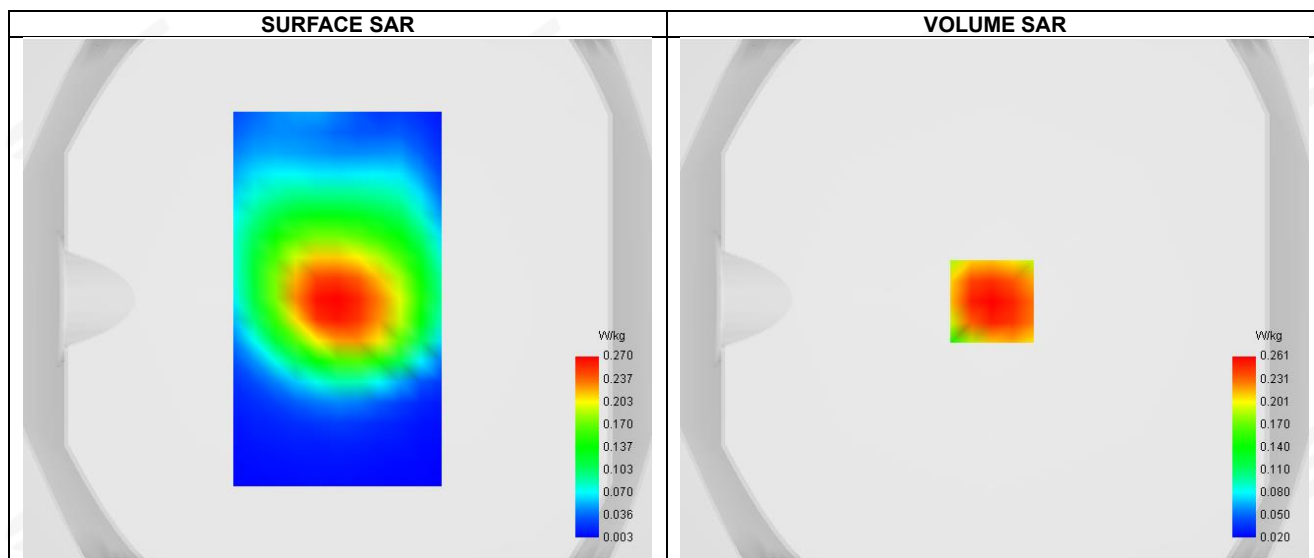
F. 3D Image





Plot 30: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-24
ConvF	1.56
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	SA N28
Signal	Duty Cycle: 1.00 (Crest factor: 1.0)
Frequency	723



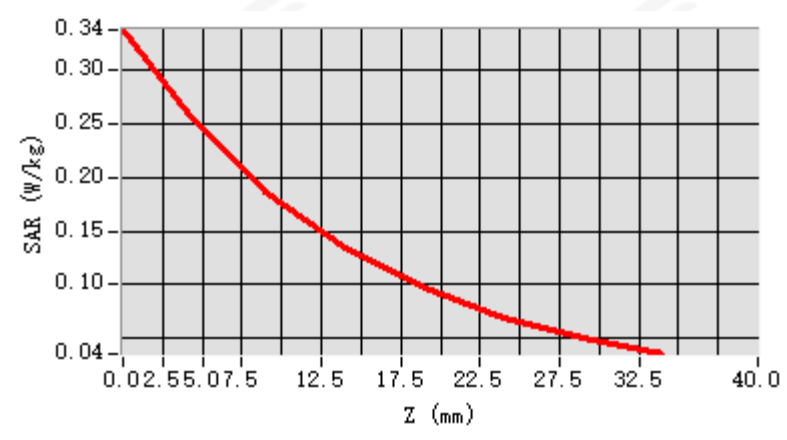
Maximum location: X=-1.00, Y=-1.00 ; SAR Peak: 0.35 W/kg

D. SAR 1g & 10g

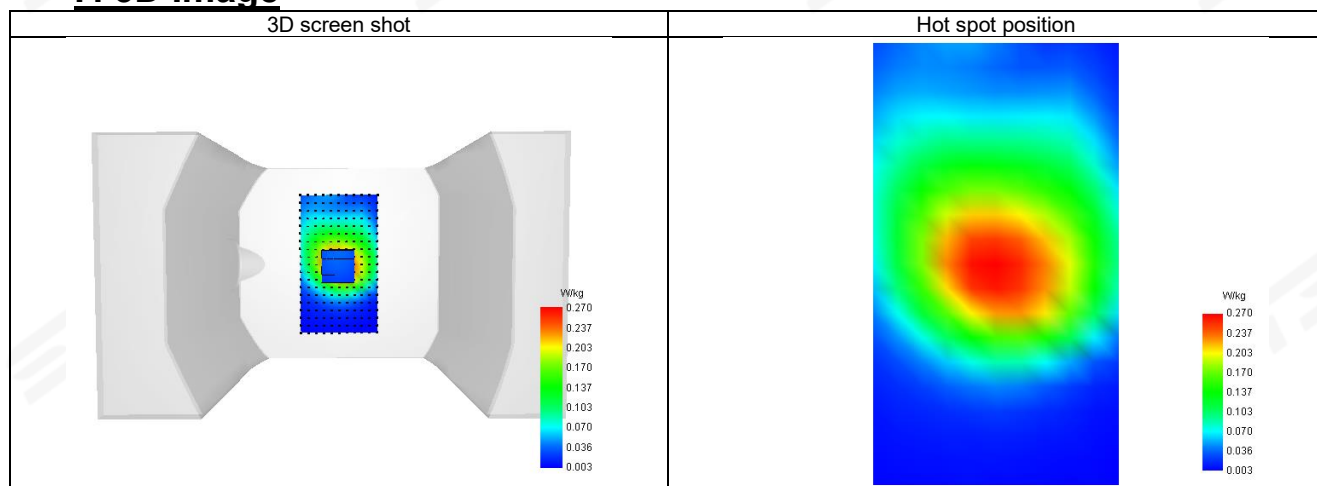
SAR 10g (W/Kg)	0.178
SAR 1g (W/Kg)	0.263
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	74.236155

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.338	0.261	0.187	0.135	0.096	0.069	0.049



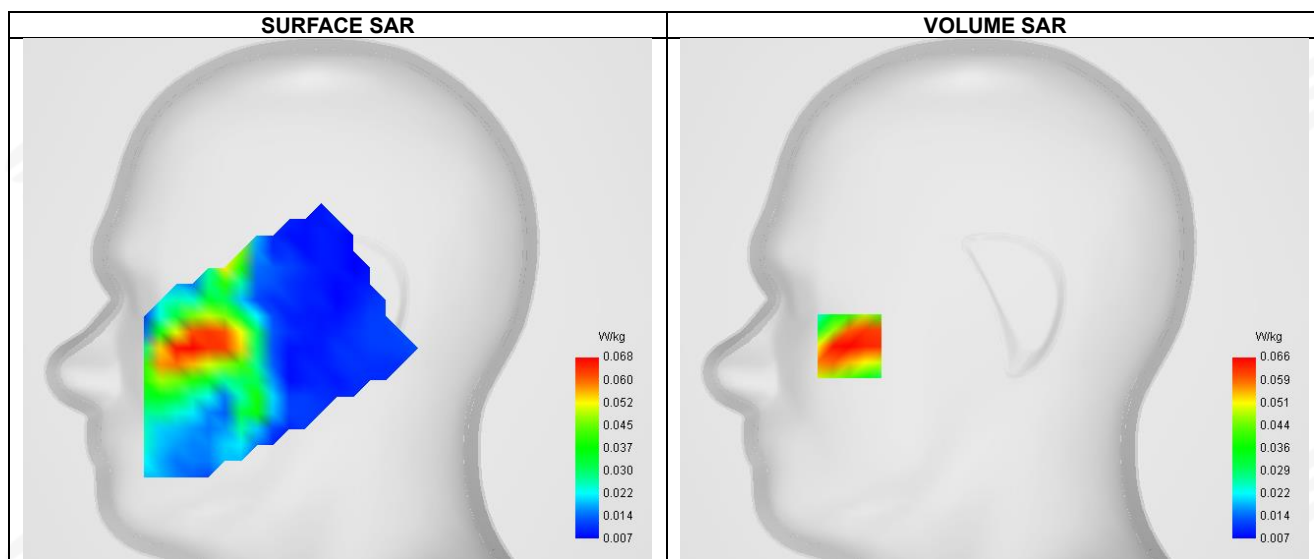
F. 3D Image





Plot 31: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-28
ConvF	1.79
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	SA N40
Signal	Duty Cycle: 1.00 (Crest factor: 1.0)
Frequency	2350

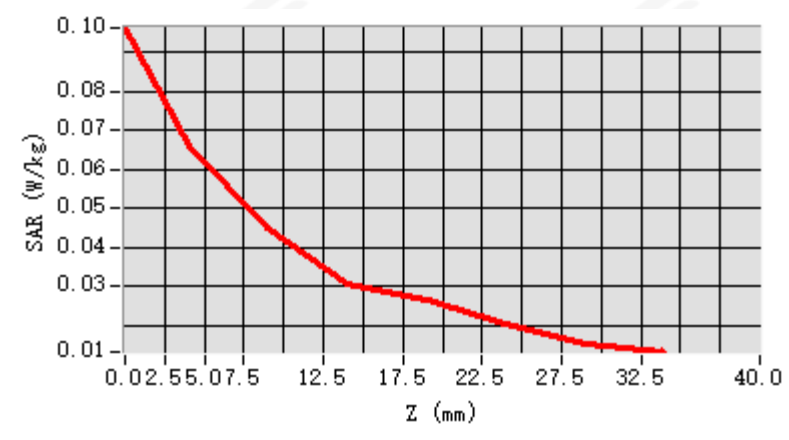


D. SAR 1g & 10g

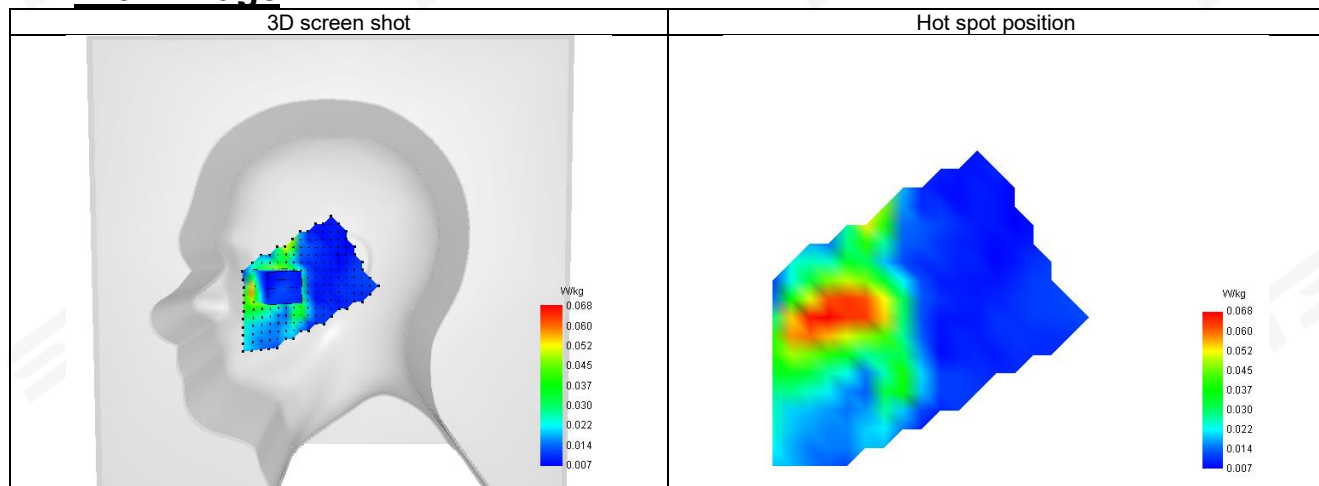
SAR 10g (W/Kg)	0.041
SAR 1g (W/Kg)	0.065
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	68.536262

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.096	0.066	0.045	0.031	0.027	0.020	0.015



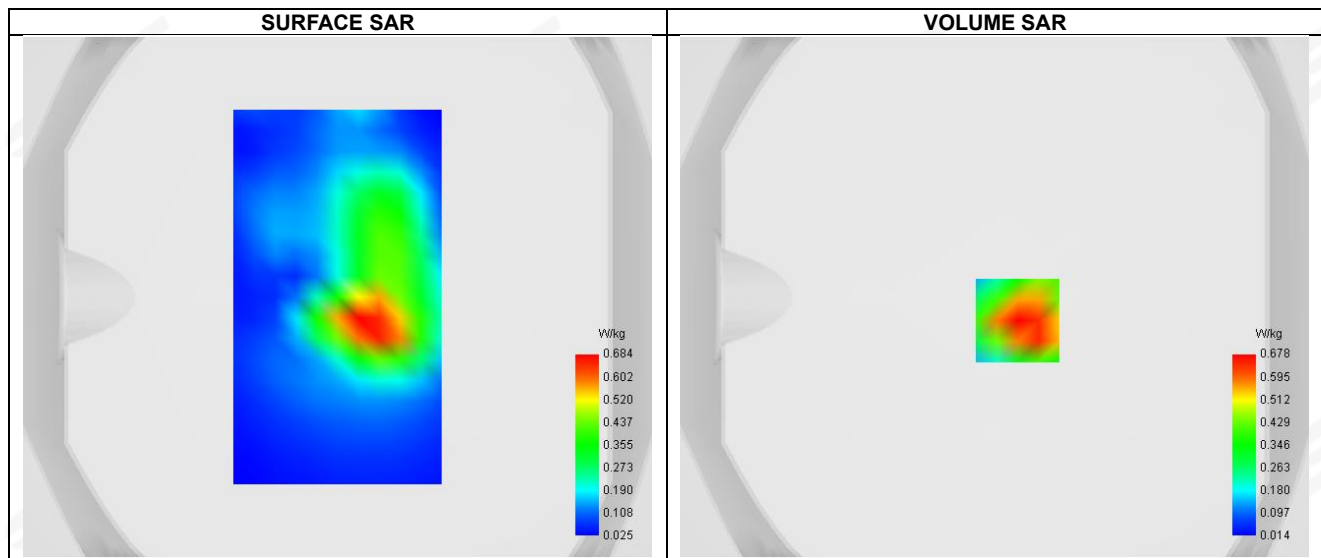
F. 3D Image





Plot 32: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-28
ConvF	1.79
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	SA N40
Signal	Duty Cycle: 1.00 (Crest factor: 1.0)
Frequency	2350



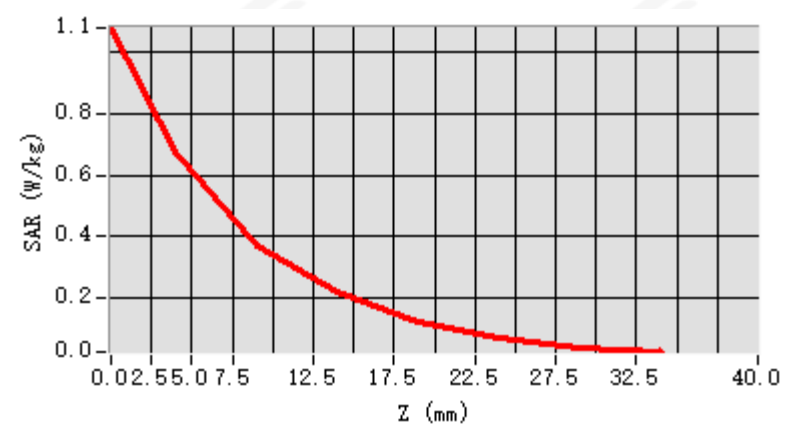
Maximum location: X=9.00, Y=-9.00 ; SAR Peak: 1.10 W/kg

D. SAR 1g & 10g

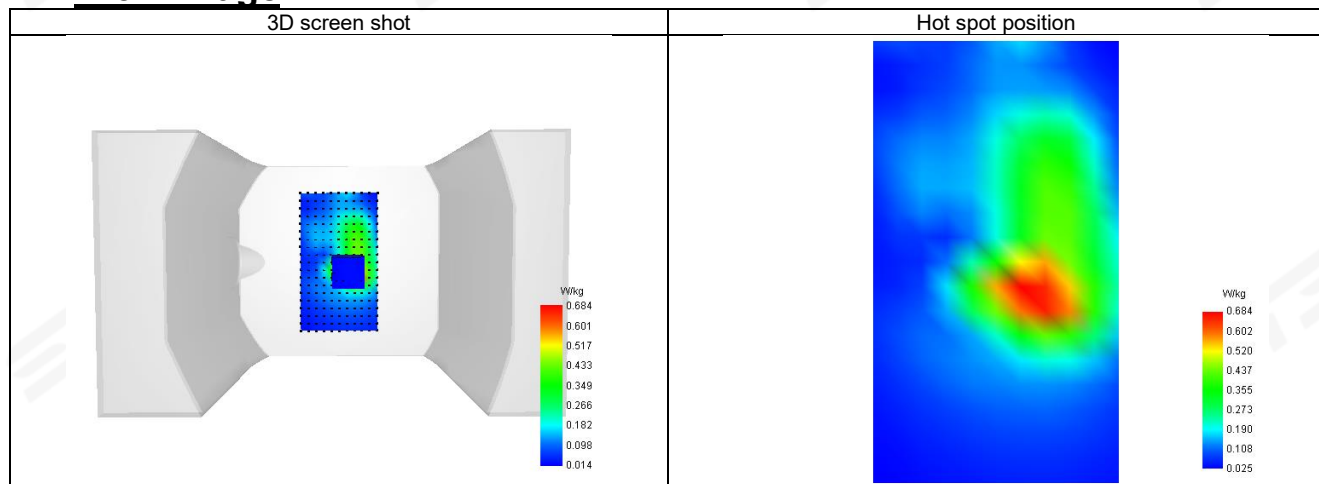
SAR 10g (W/Kg)	0.345
SAR 1g (W/Kg)	0.651
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	54.774759

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.078	0.678	0.371	0.219	0.125	0.071	0.041



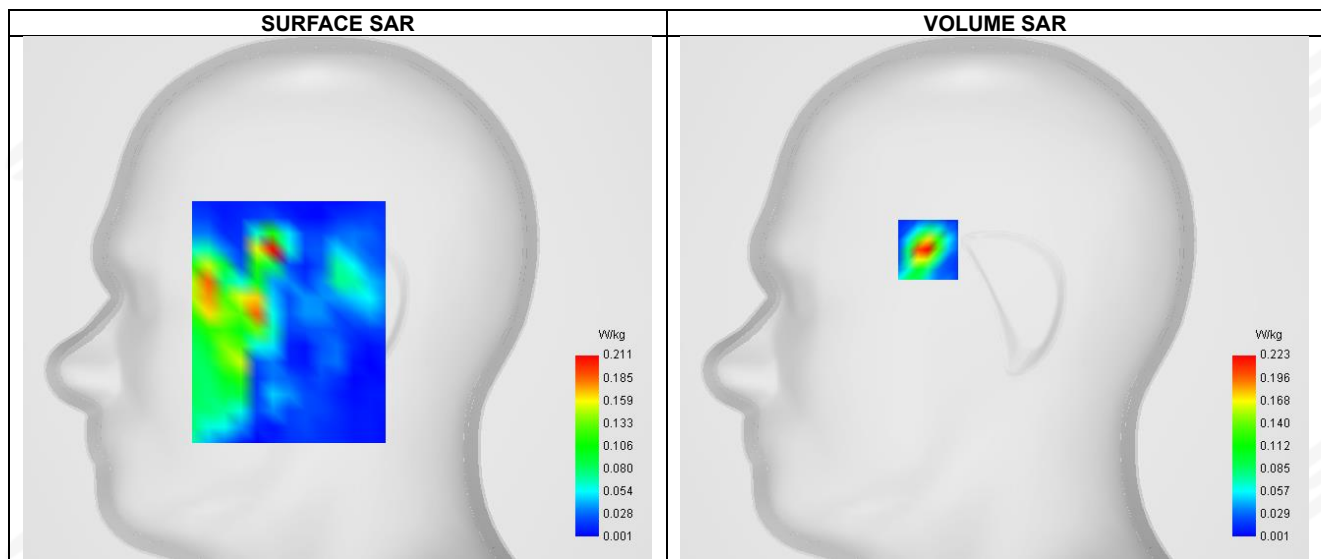
F. 3D Image





Plot 33: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-30
ConvF	1.39
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	SA N77
Signal	Duty Cycle: 1.00 (Crest factor: 1.0)
Frequency	3750



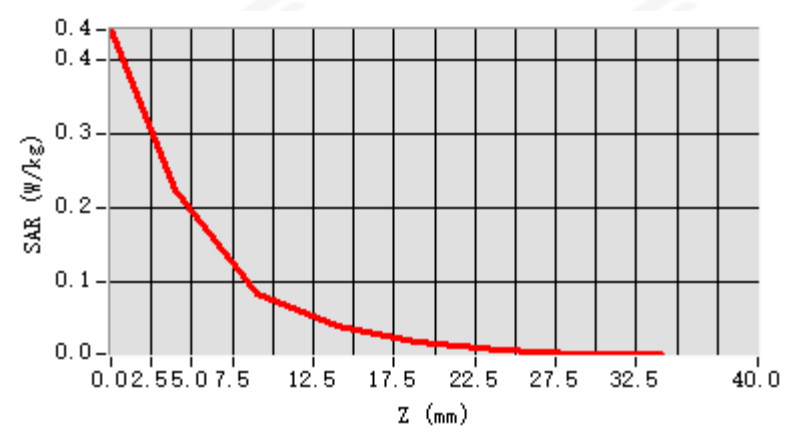
Maximum location: X=-33.00, Y=24.00 ; SAR Peak: 0.44 W/kg

D. SAR 1g & 10g

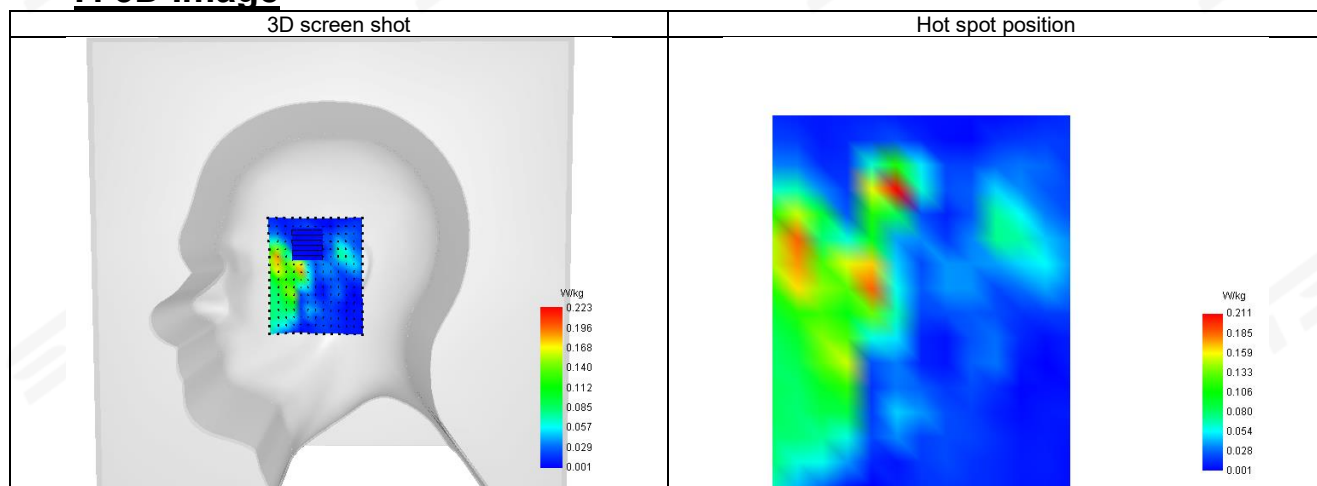
SAR 10g (W/Kg)	0.061
SAR 1g (W/Kg)	0.192
Horizontal validation criteria: minimum distance (mm)	7.071068
Vertical validation criteria: SAR ratio M2/M1 (%)	37.113275

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.439	0.223	0.083	0.042	0.019	0.008	0.004



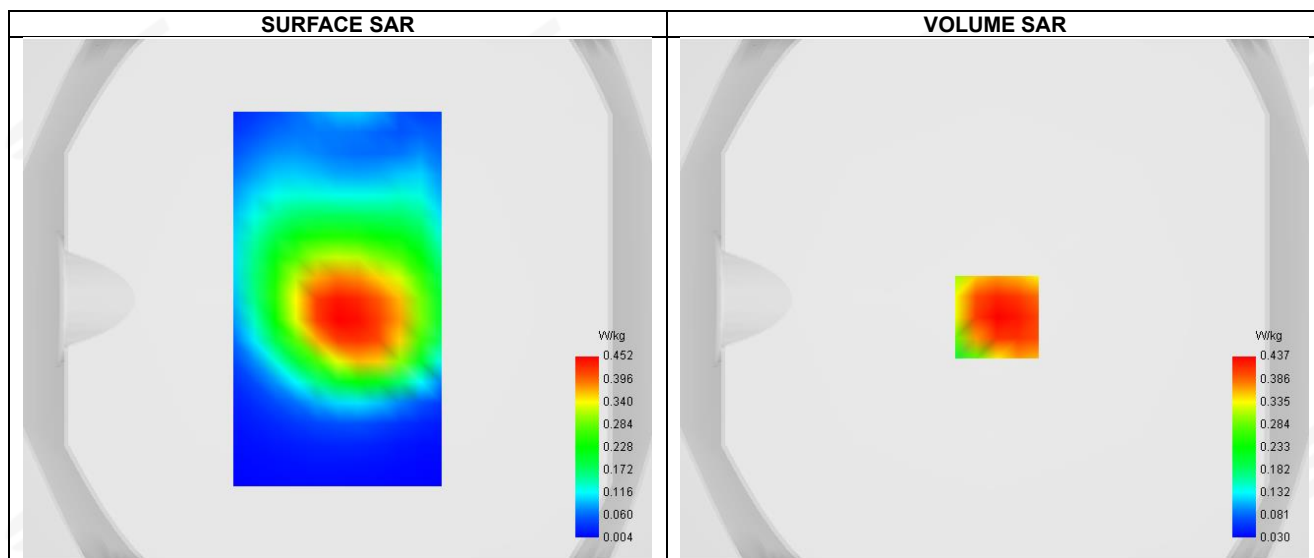
F. 3D Image





Plot 34: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-30
ConvF	1.39
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	SA N77
Signal	Duty Cycle: 1.00 (Crest factor: 1.0)
Frequency	3750



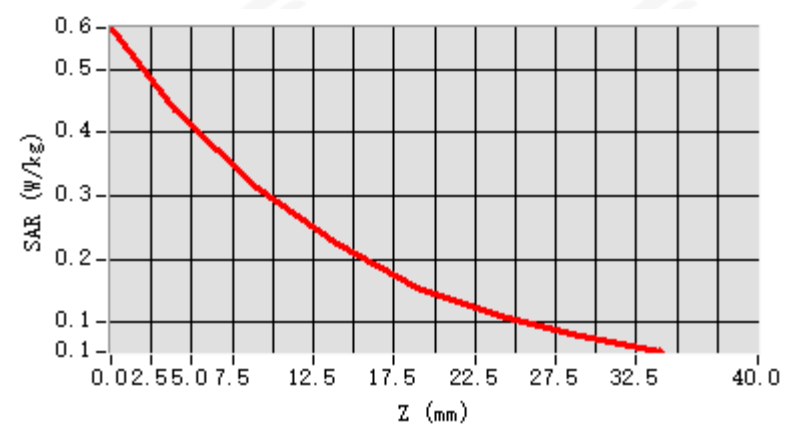
Maximum location: X=1.00, Y=-7.00 ; SAR Peak: 0.57 W/kg

D. SAR 1g & 10g

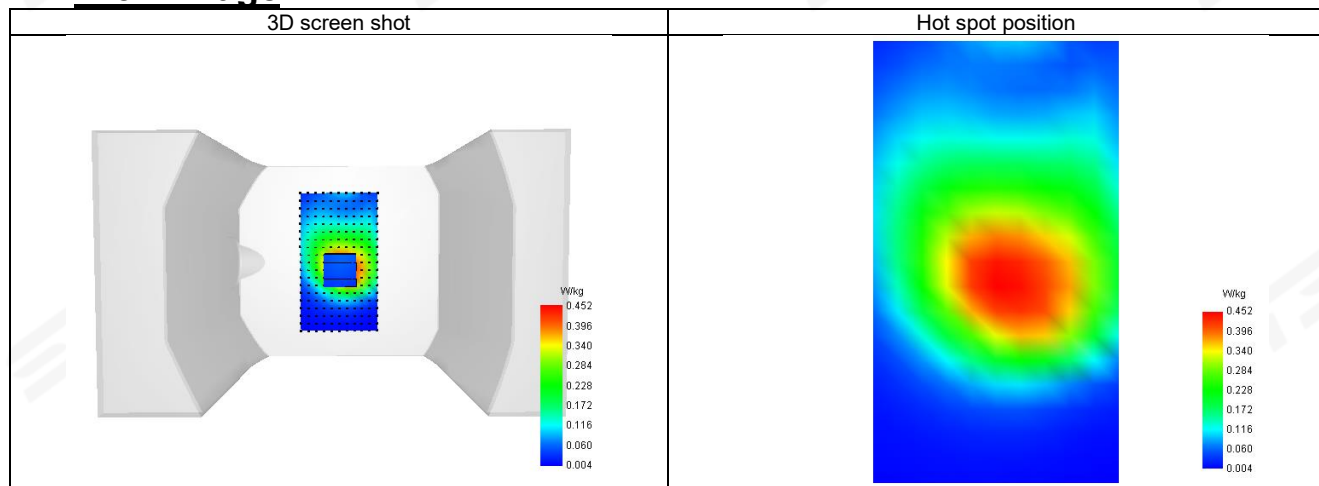
SAR 10g (W/Kg)	0.287
SAR 1g (W/Kg)	0.420
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	71.436368

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.565	0.437	0.312	0.223	0.155	0.110	0.078

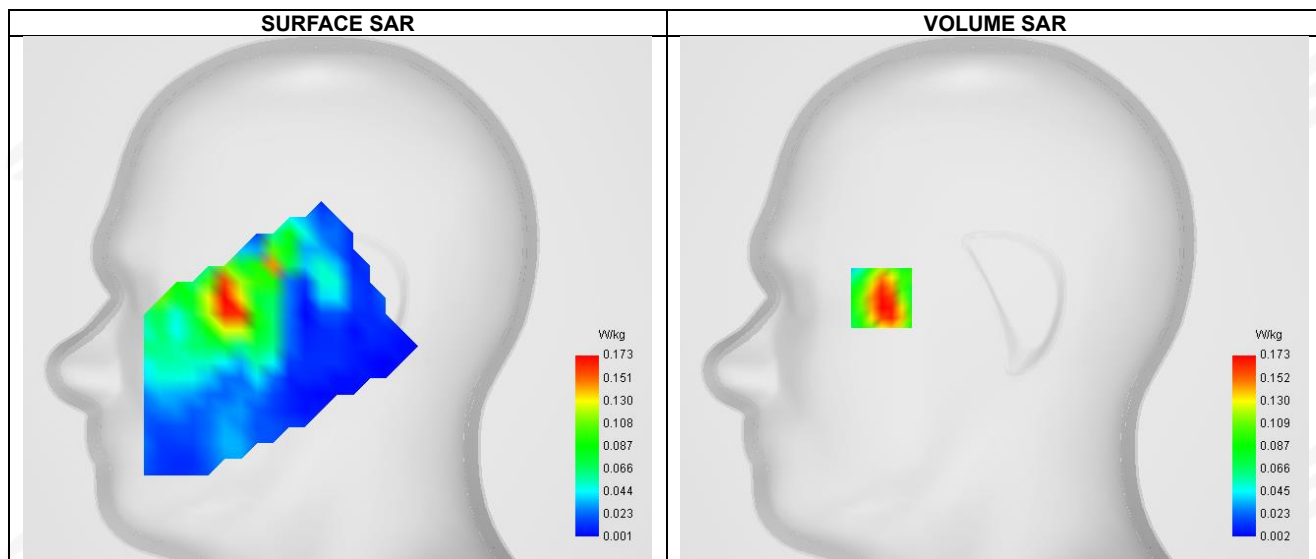


F. 3D Image



Plot 35: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-30
ConvF	1.39
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	SA N78
Signal	Duty Cycle: 1.00 (Crest factor: 1.0)
Frequency	3600



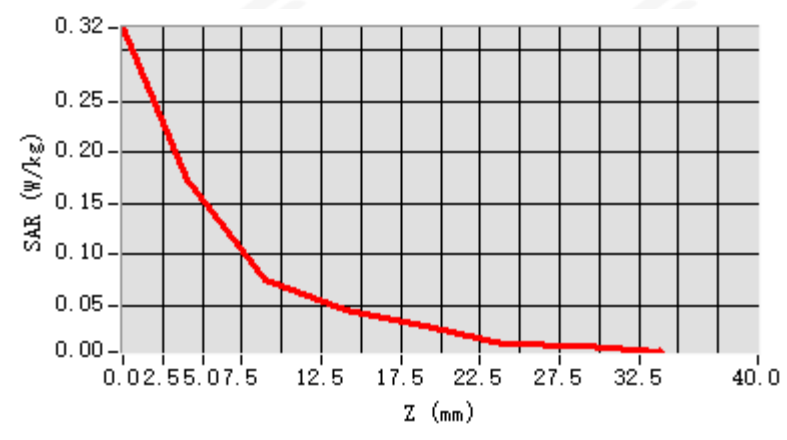
Maximum location: X=-56.00, Y=0.00 ; SAR Peak: 0.30 W/kg

D. SAR 1g & 10g

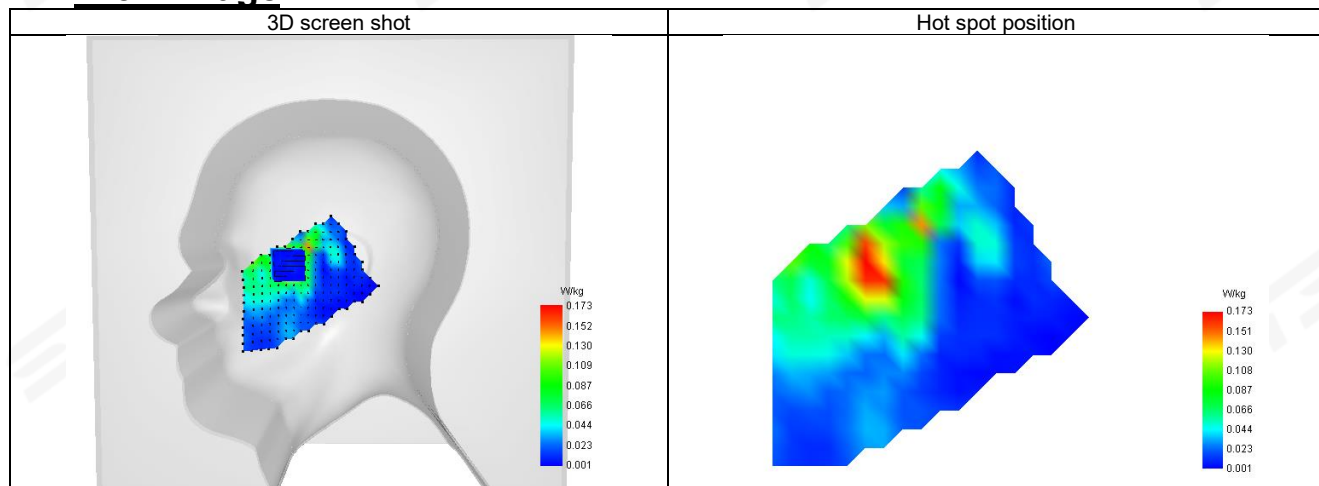
SAR 10g (W/Kg)	0.083
SAR 1g (W/Kg)	0.168
Horizontal validation criteria: minimum distance (mm)	15.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	48.203933

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.322	0.173	0.076	0.046	0.031	0.012	0.010



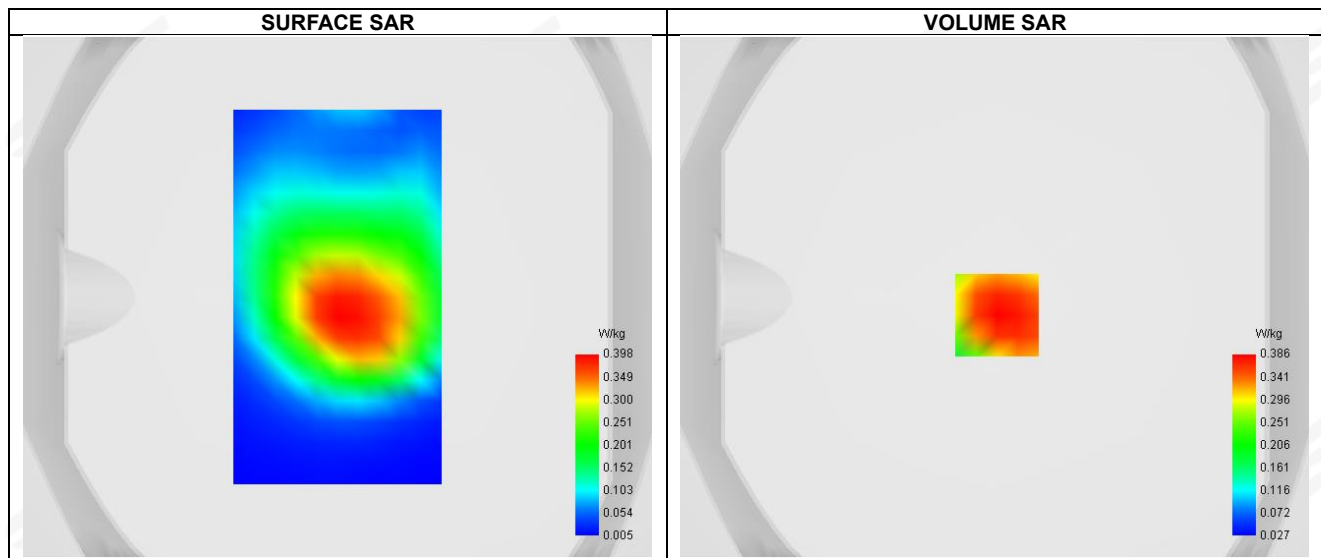
F. 3D Image





Plot 36: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-30
ConvF	1.39
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	SA N78
Signal	Duty Cycle: 1.00 (Crest factor: 1.0)
Frequency	3600



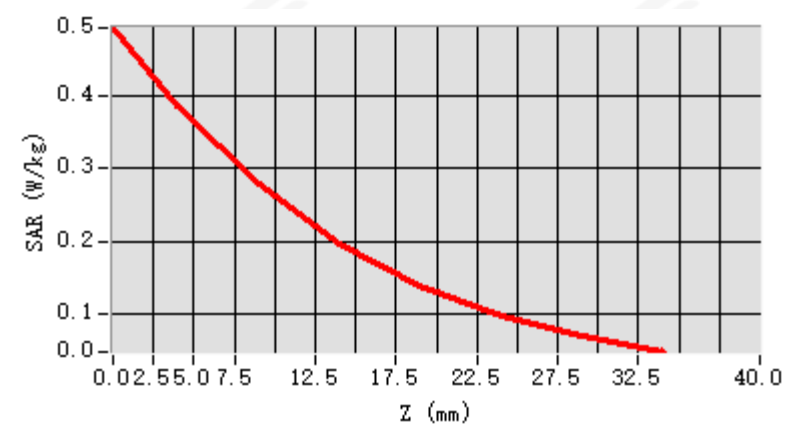
Maximum location: X=1.00, Y=-7.00 ; SAR Peak: 0.50 W/kg

D. SAR 1g & 10g

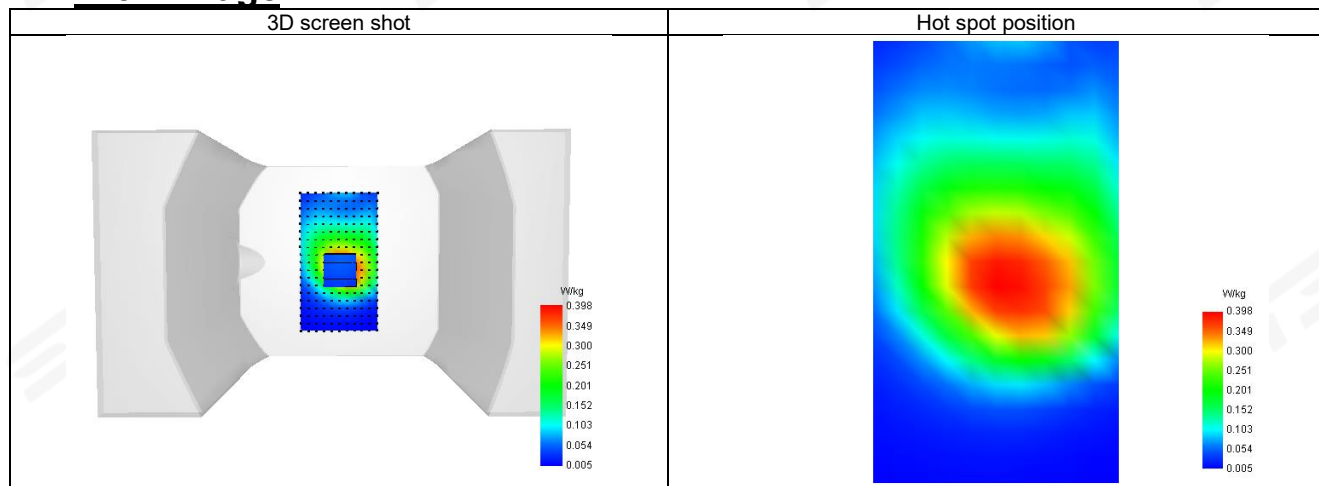
SAR 10g (W/Kg)	0.254
SAR 1g (W/Kg)	0.370
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	72.113990

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.493	0.386	0.278	0.197	0.138	0.098	0.069



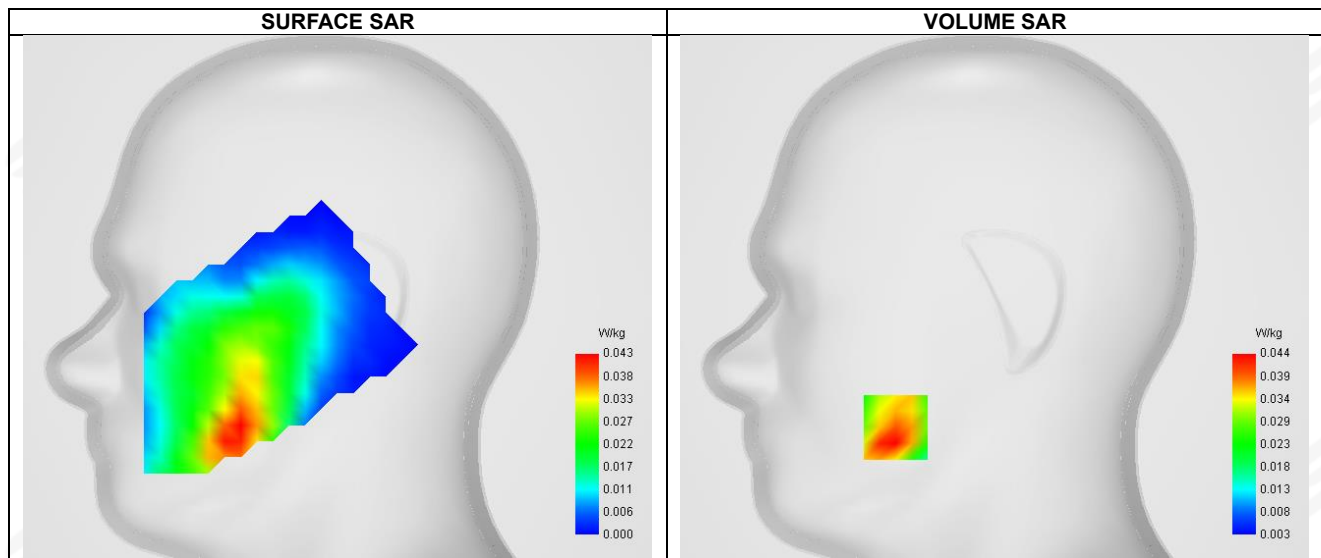
F. 3D Image





Plot 37: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-28
ConvF	1.80
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	2.4GHz WLAN ANT 1
Signal	IEEE802.b (Crest factor: 1.0)
Frequency	2472



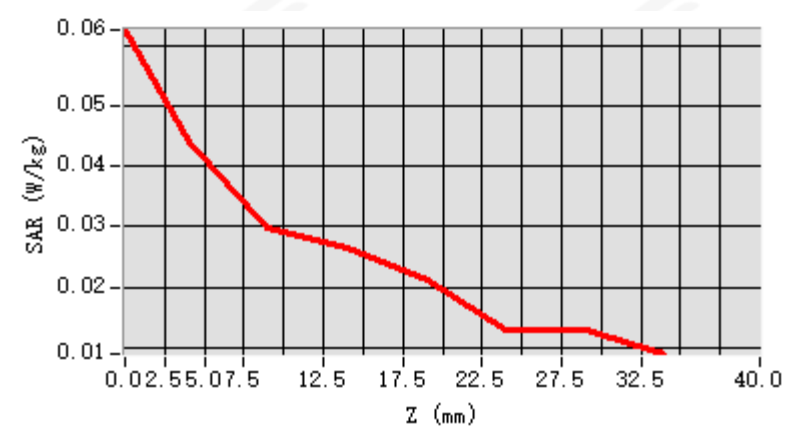
Maximum location: X=-49.00, Y=-65.00 ; SAR Peak: 0.06 W/kg

D. SAR 1g & 10g

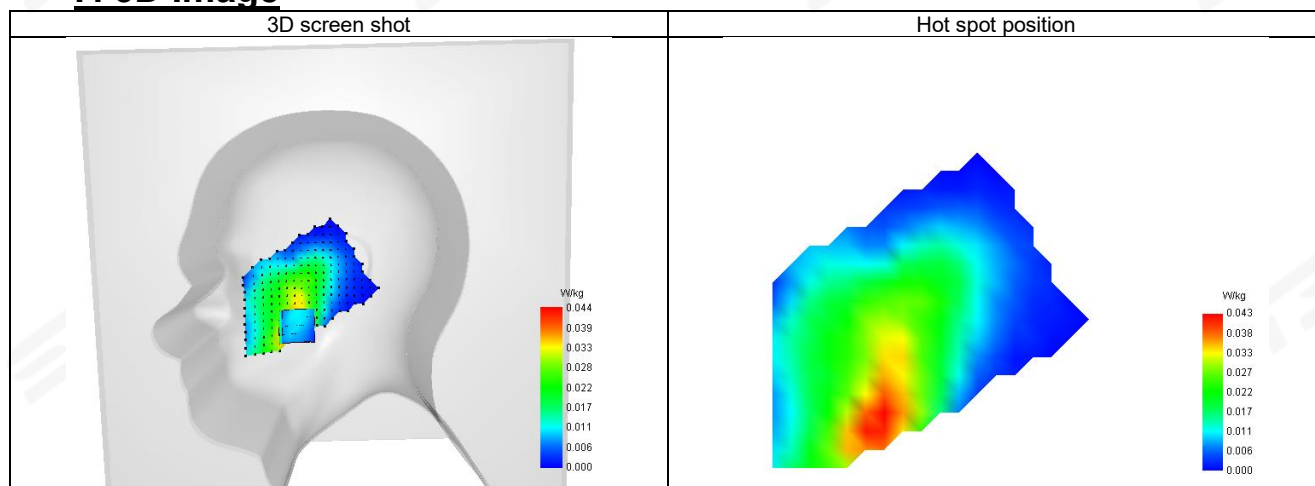
SAR 10g (W/Kg)	0.028
SAR 1g (W/Kg)	0.043
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	72.874749

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	0.044	0.030	0.027	0.021	0.013	0.013



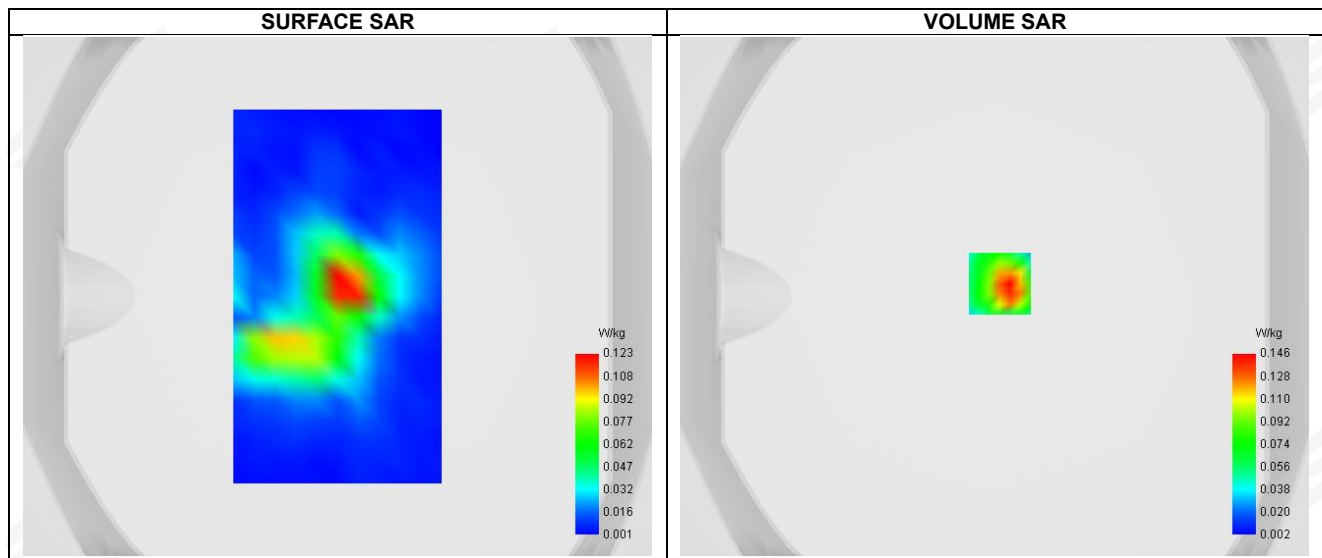
F. 3D Image





Plot 38: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-28
ConvF	1.80
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	2.4GHz WLAN ANT 1
Signal	IEEE802.b (Crest factor: 1.0)
Frequency	2472



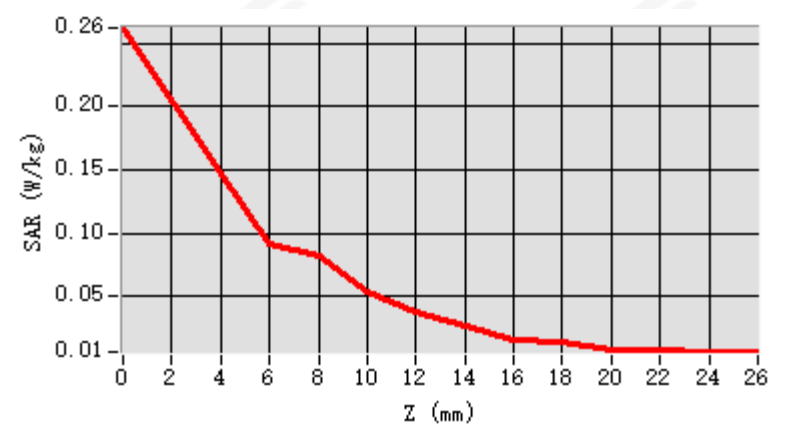
Maximum location: X=2.00, Y=5.00 ; SAR Peak: 0.29 W/kg

D. SAR 1g & 10g

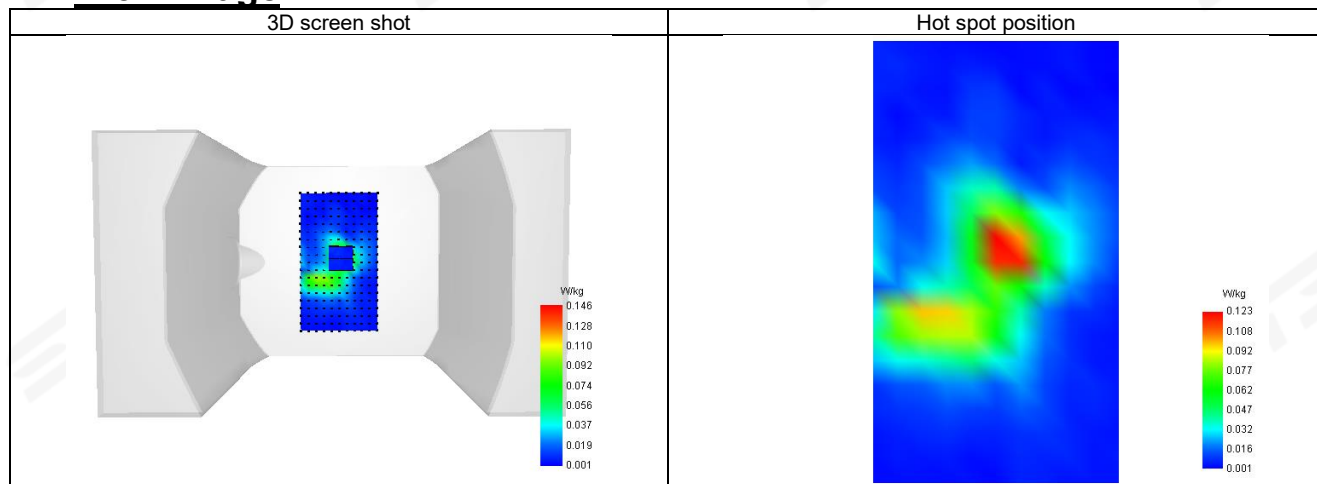
SAR 10g (W/Kg)	0.047
SAR 1g (W/Kg)	0.125
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	71.290124

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	0.262	0.146	0.091	0.082	0.054	0.037	0.026	0.016	0.013	0.008	0.008	0.006

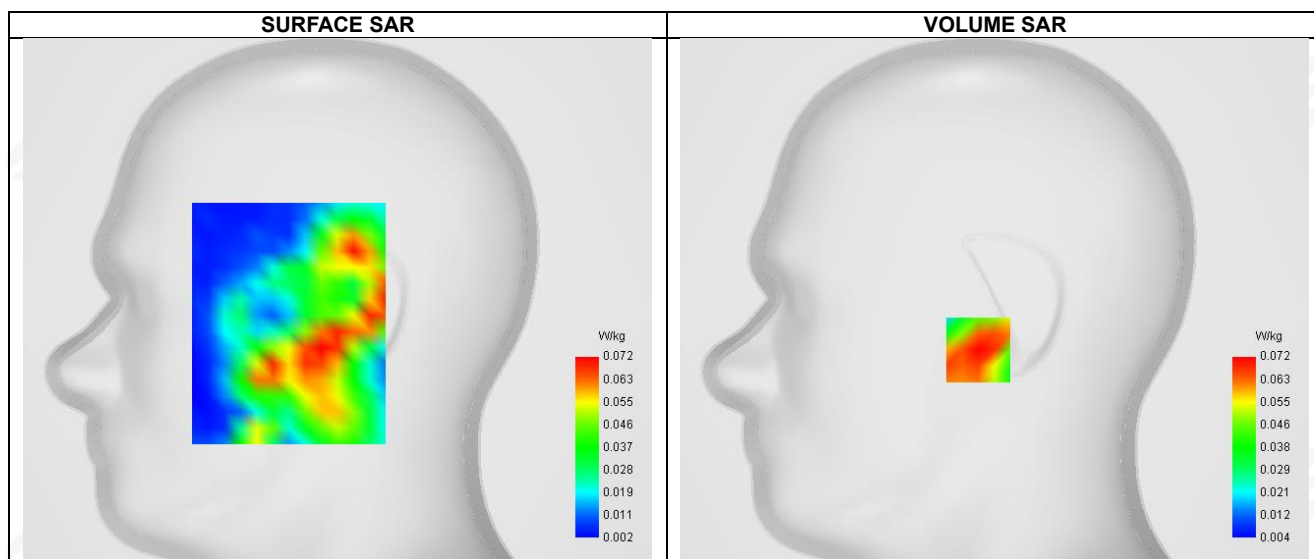


F. 3D Image



Plot 39: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-28
ConvF	1.80
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	2.4GHz WLAN ANT 2
Signal	IEEE802.b (Crest factor: 1.0)
Frequency	2472



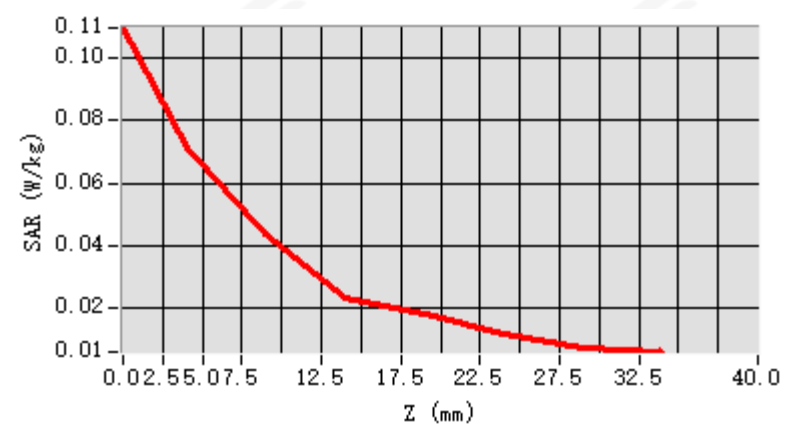
Maximum location: X=-8.00, Y=-25.00 ; SAR Peak: 0.12 W/kg

D. SAR 1g & 10g

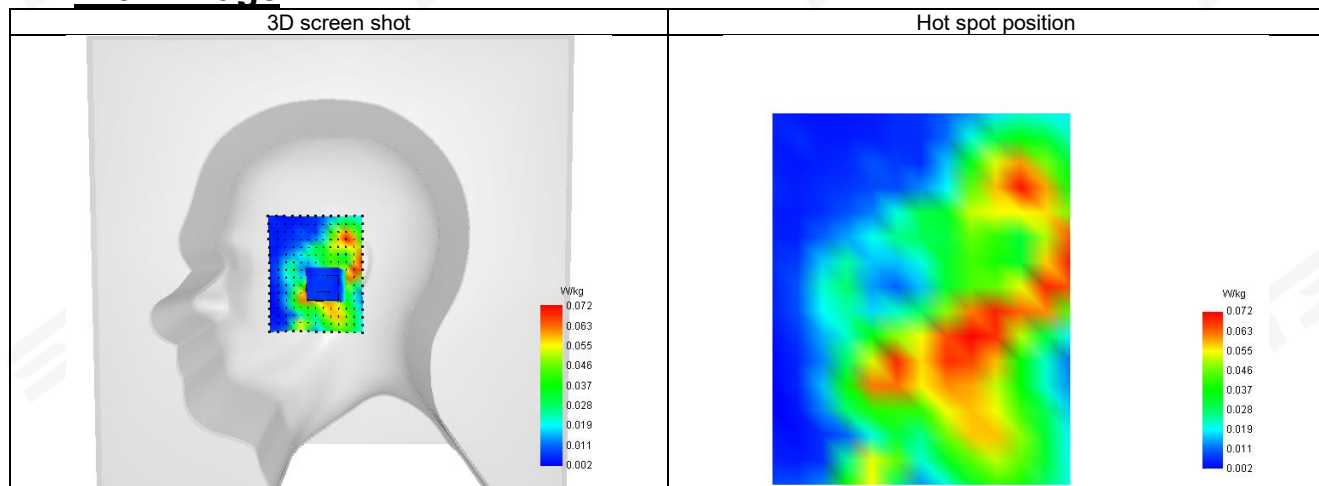
SAR 10g (W/Kg)	0.040
SAR 1g (W/Kg)	0.070
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	61.126151

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.110	0.072	0.044	0.023	0.018	0.012	0.008



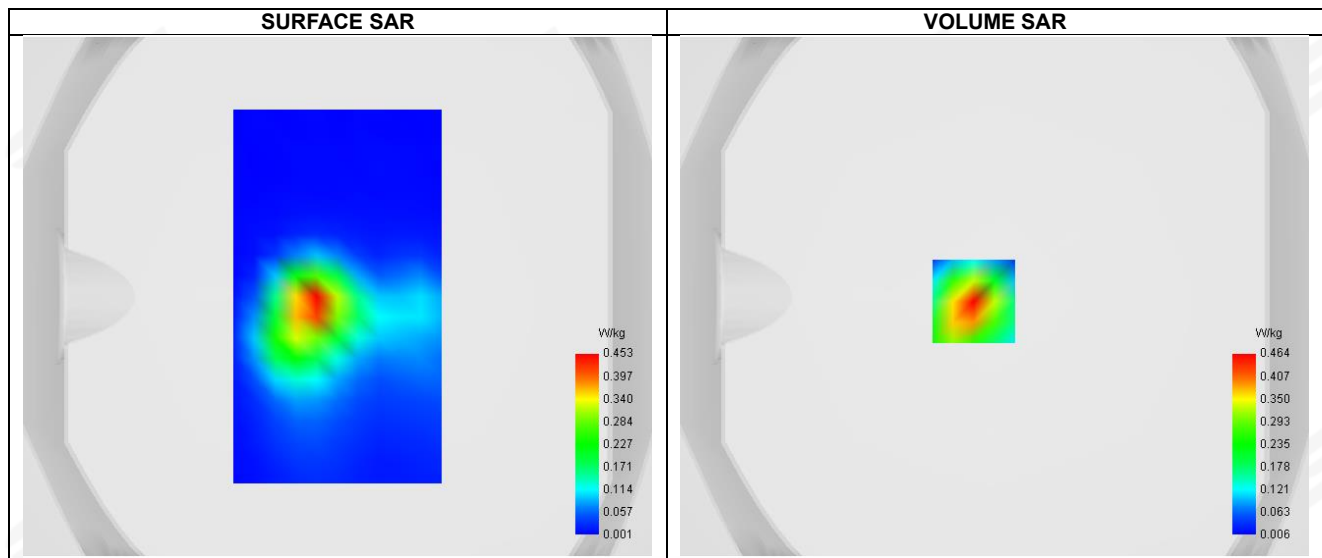
F. 3D Image





Plot 40: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-28
ConvF	1.80
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	2.4GHz WLAN ANT 2
Signal	IEEE802.b (Crest factor: 1.0)
Frequency	2472



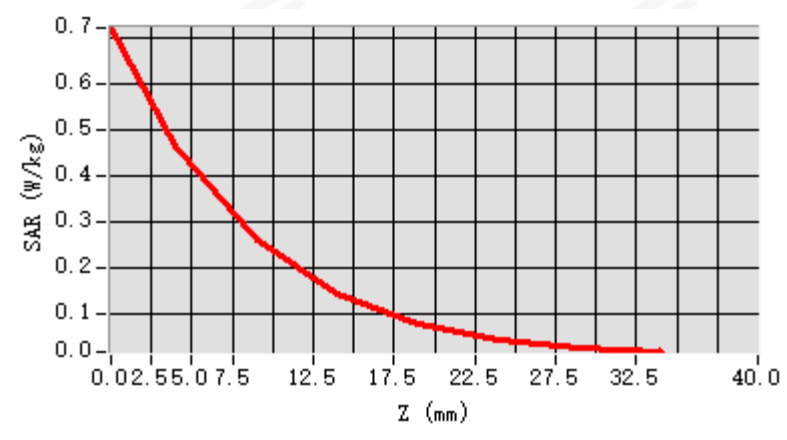
Maximum location: X=-8.00, Y=-2.00 ; SAR Peak: 0.74 W/kg

D. SAR 1g & 10g

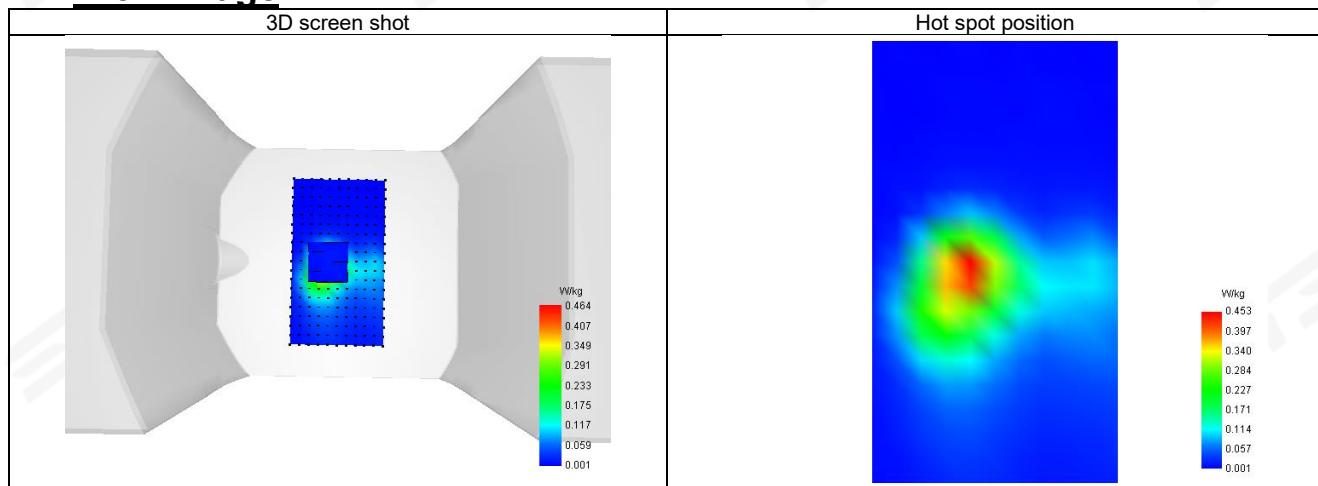
SAR 10g (W/Kg)	0.047
SAR 1g (W/Kg)	0.128
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	55.584475

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.723	0.464	0.258	0.143	0.077	0.043	0.023



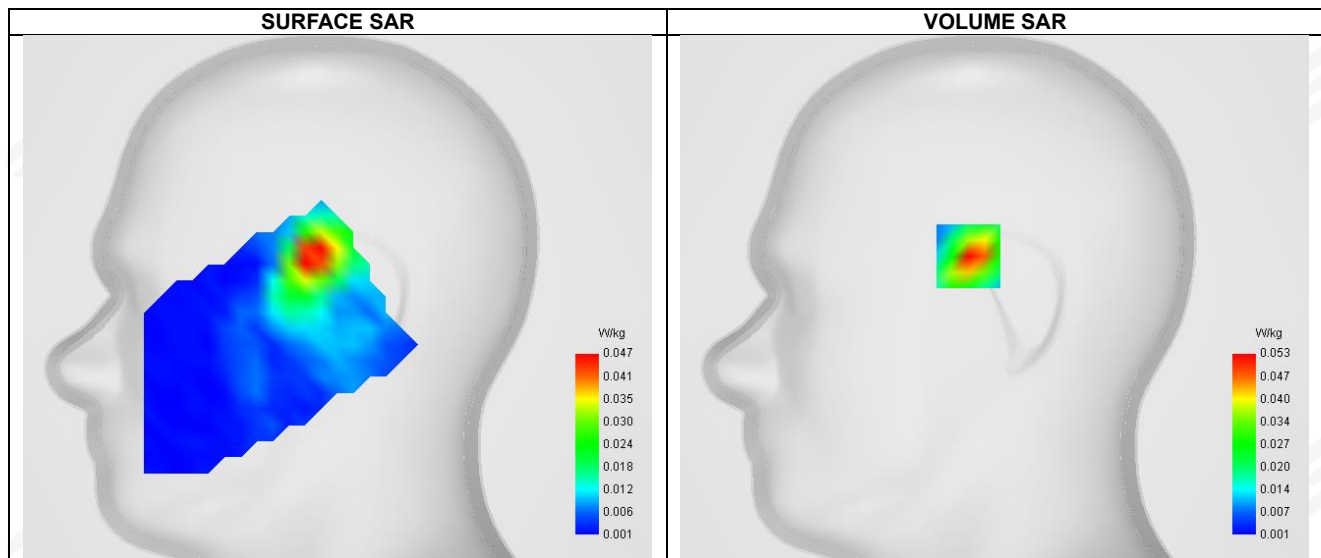
F. 3D Image





Plot 41: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-28
ConvF	1.80
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	2.4GHz WLAN MIMO ANT 1
Signal	IEEE802.b (Crest factor: 1.0)
Frequency	2472

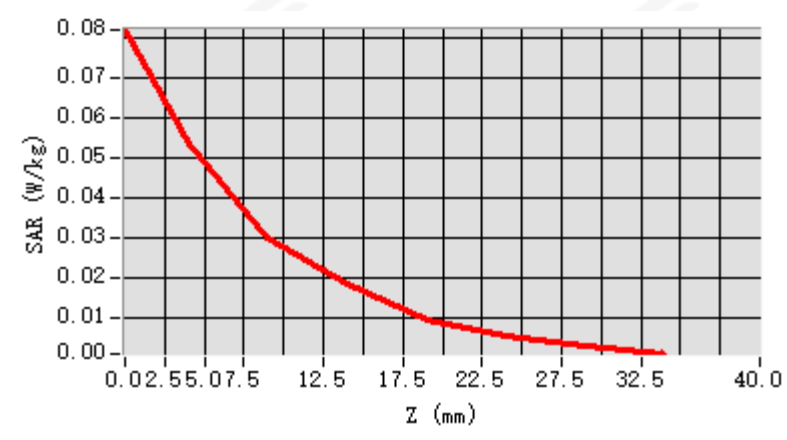


D. SAR 1g & 10g

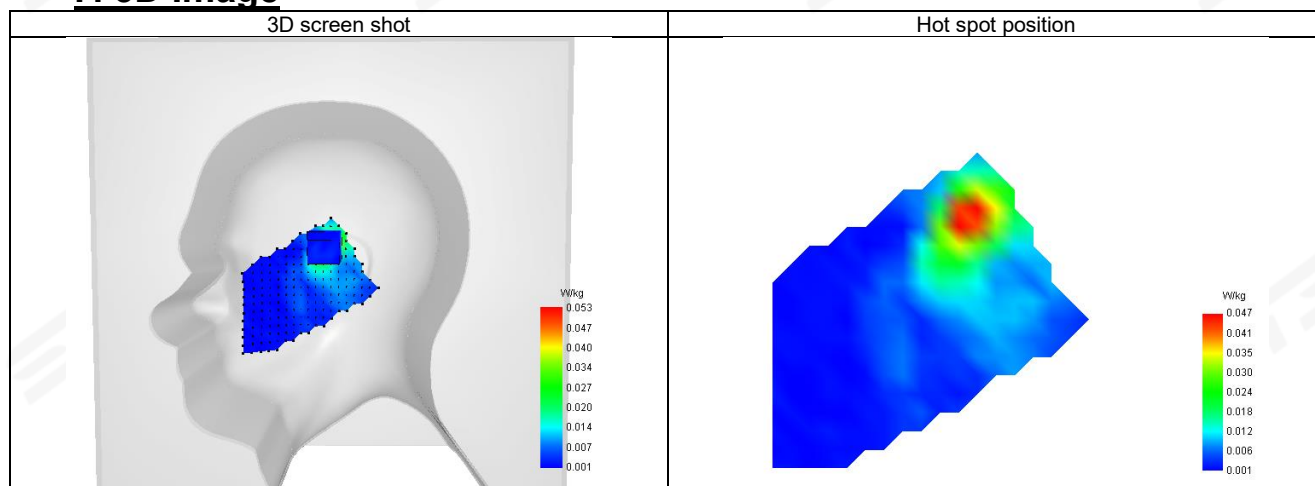
SAR 10g (W/Kg)	0.025
SAR 1g (W/Kg)	0.050
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	56.223899

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.082	0.053	0.030	0.019	0.010	0.006	0.003



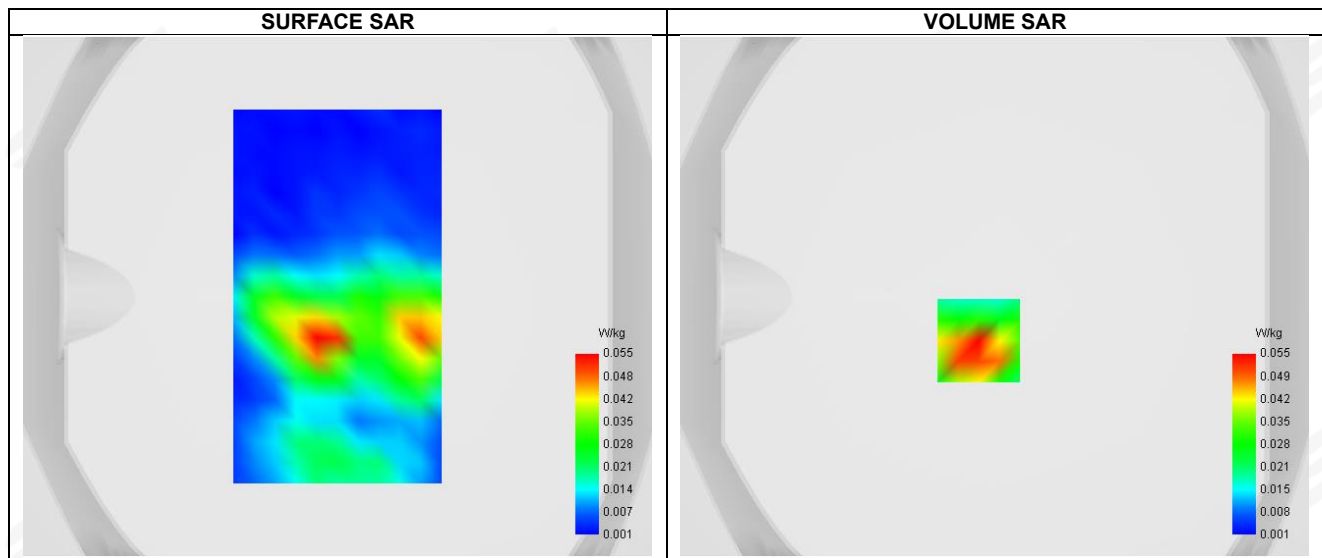
F. 3D Image





Plot 42: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-28
ConvF	1.80
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Body
Device Position	Back Side
Band	2.4GHz WLAN MIMO ANT 1
Signal	IEEE802.b (Crest factor: 1.0)
Frequency	2472



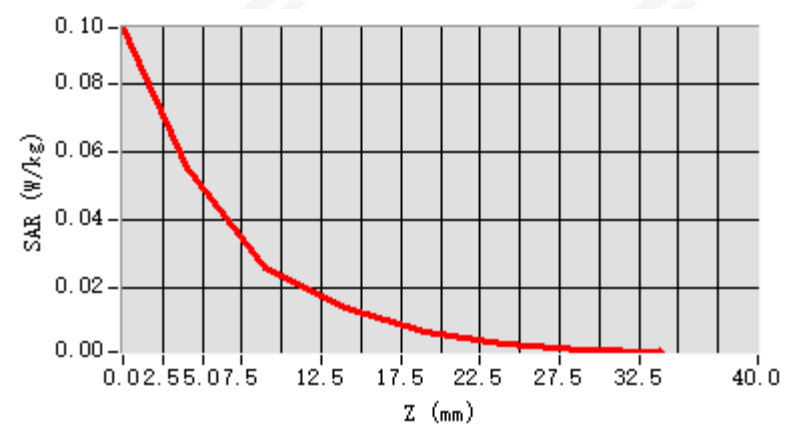
Maximum location: X=-6.00, Y=-17.00 ; SAR Peak: 0.10 W/kg

D. SAR 1g & 10g

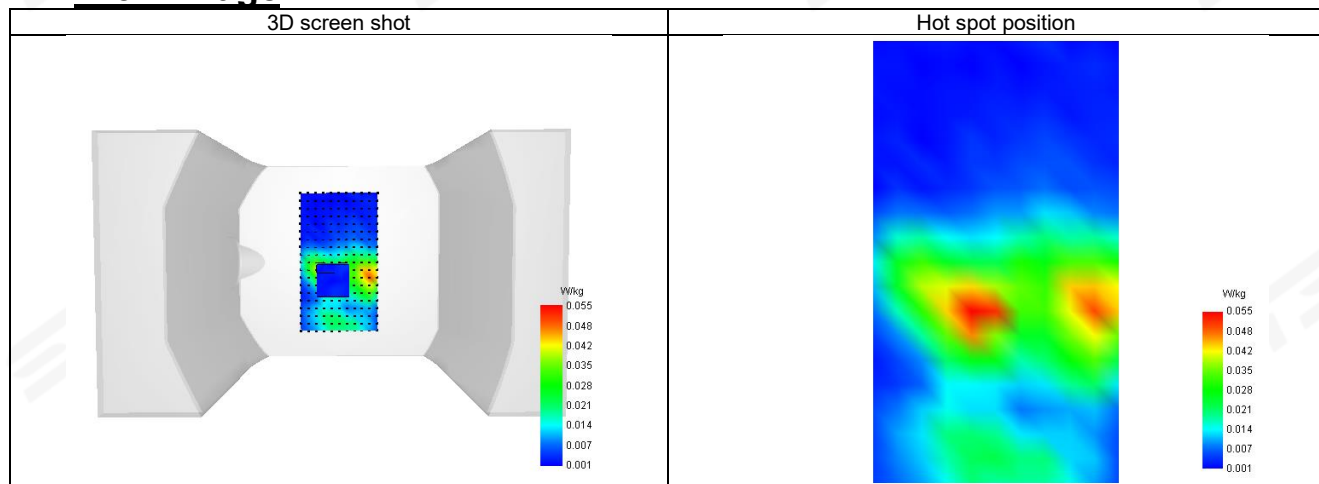
SAR 10g (W/Kg)	0.027
SAR 1g (W/Kg)	0.053
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	56.494451

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.097	0.055	0.026	0.014	0.007	0.004	0.002



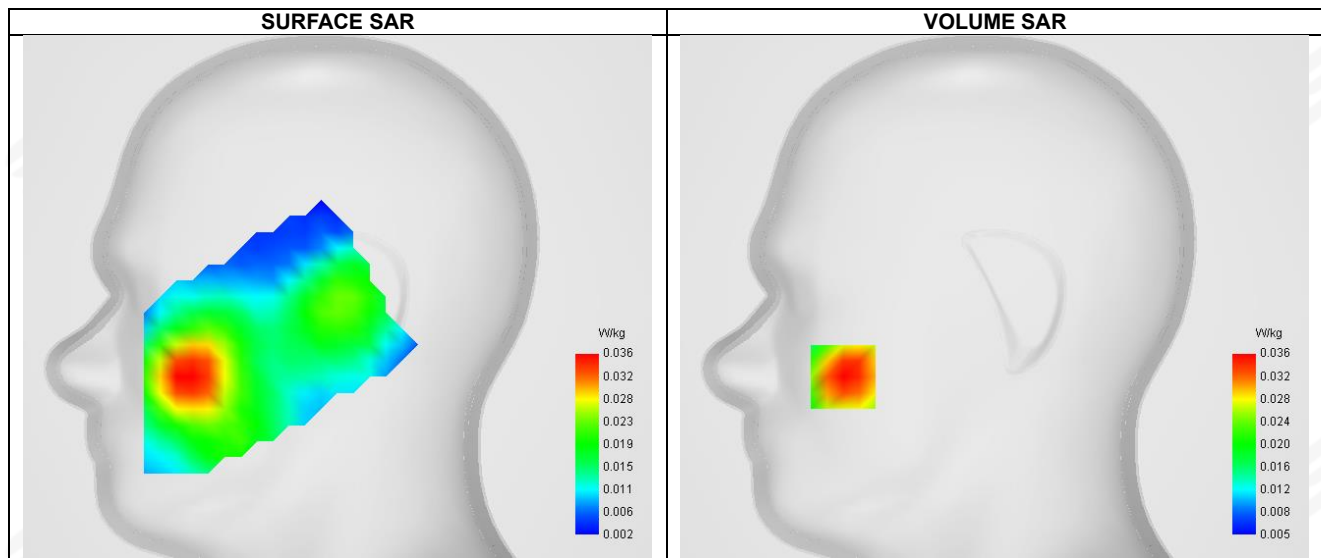
F. 3D Image





Plot 43: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-28
ConvF	1.80
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Head
Device Position	Right Cheek
Band	2.4GHz WLAN MIMO ANT 2
Signal	IEEE802.b (Crest factor: 1.0)
Frequency	2472



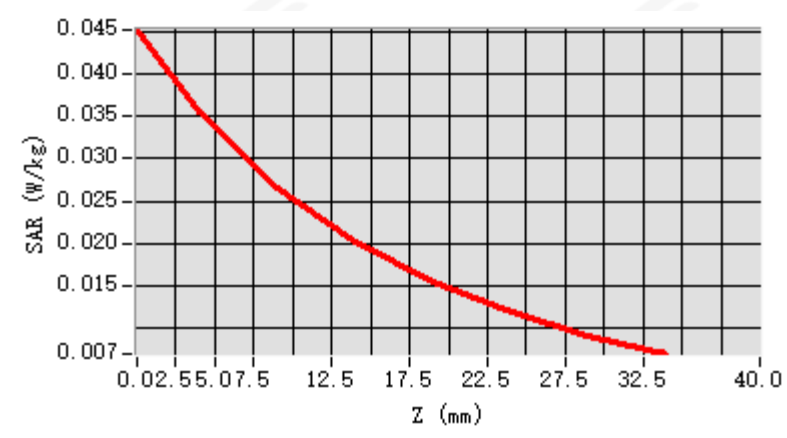
Maximum location: X=-75.00, Y=-40.00 ; SAR Peak: 0.05 W/kg

D. SAR 1g & 10g

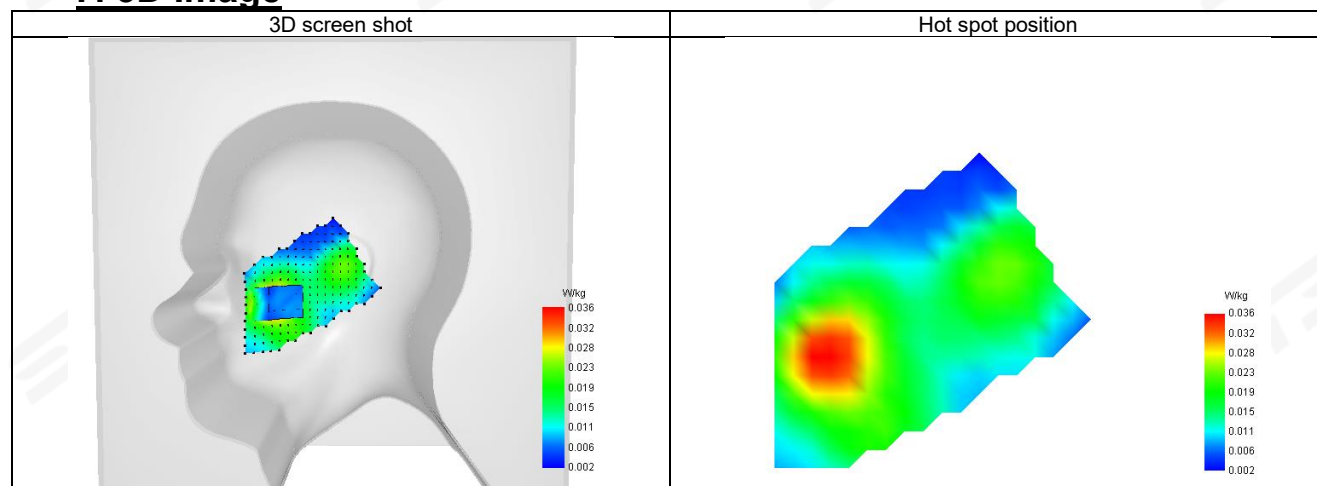
SAR 10g (W/Kg)	0.024
SAR 1g (W/Kg)	0.034
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	74.964902

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.045	0.036	0.027	0.020	0.015	0.012	0.009



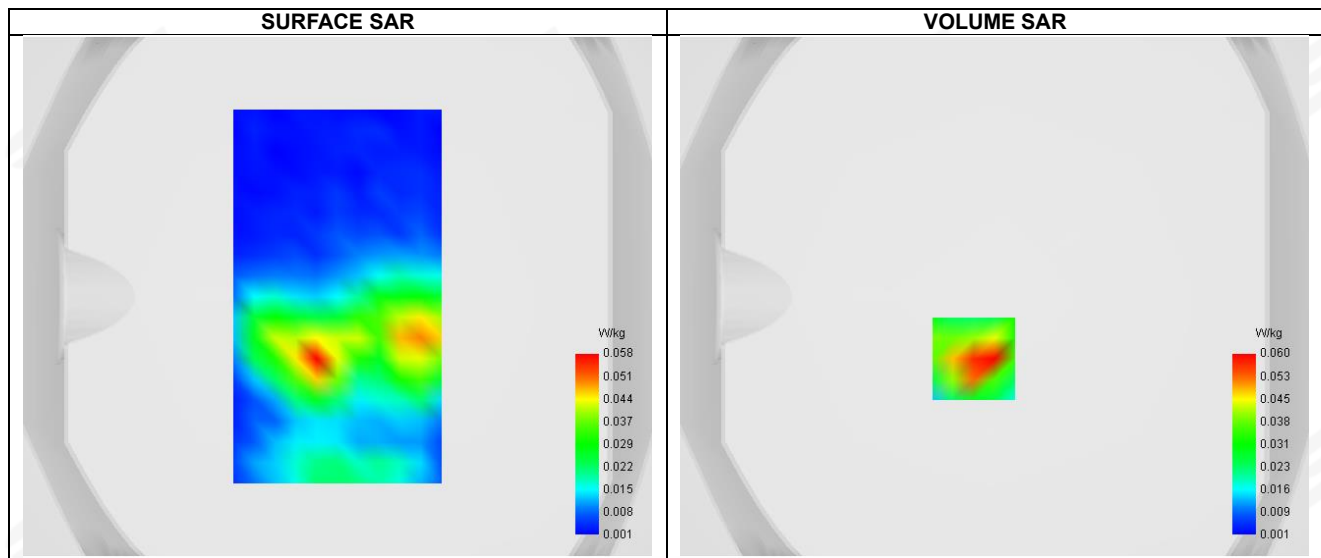
F. 3D Image





Plot 44: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-28
ConvF	1.80
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	2.4GHz WLAN MIMO ANT 2
Signal	IEEE802.b (Crest factor: 1.0)
Frequency	2472



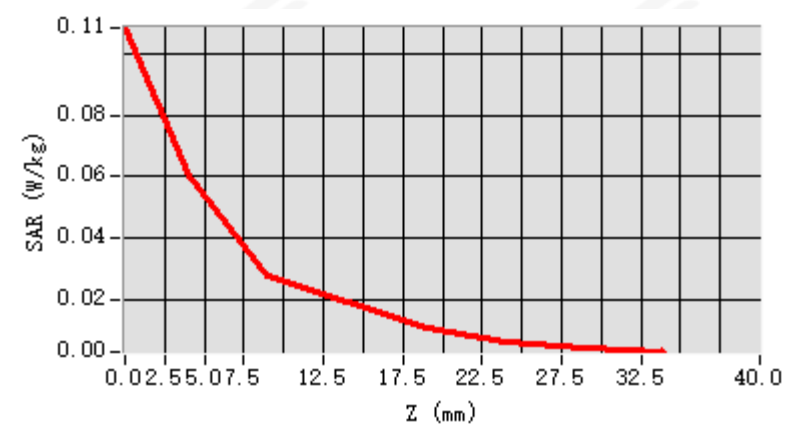
Maximum location: X=-8.00, Y=-24.00 ; SAR Peak: 0.11 W/kg

D. SAR 1g & 10g

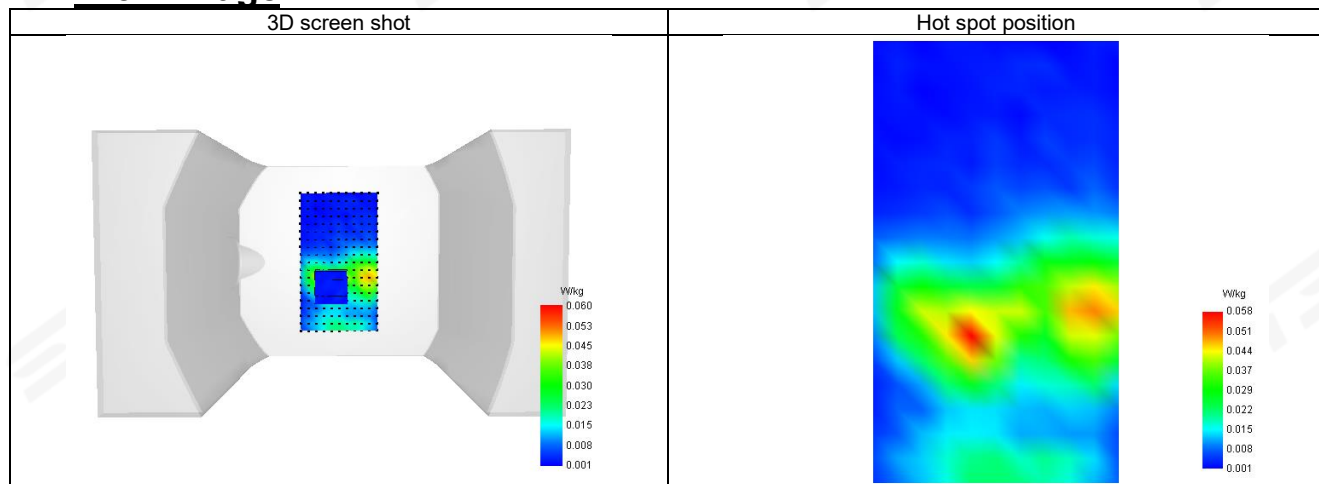
SAR 10g (W/Kg)	0.028
SAR 1g (W/Kg)	0.057
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	53.329662

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.109	0.060	0.028	0.019	0.011	0.006	0.004

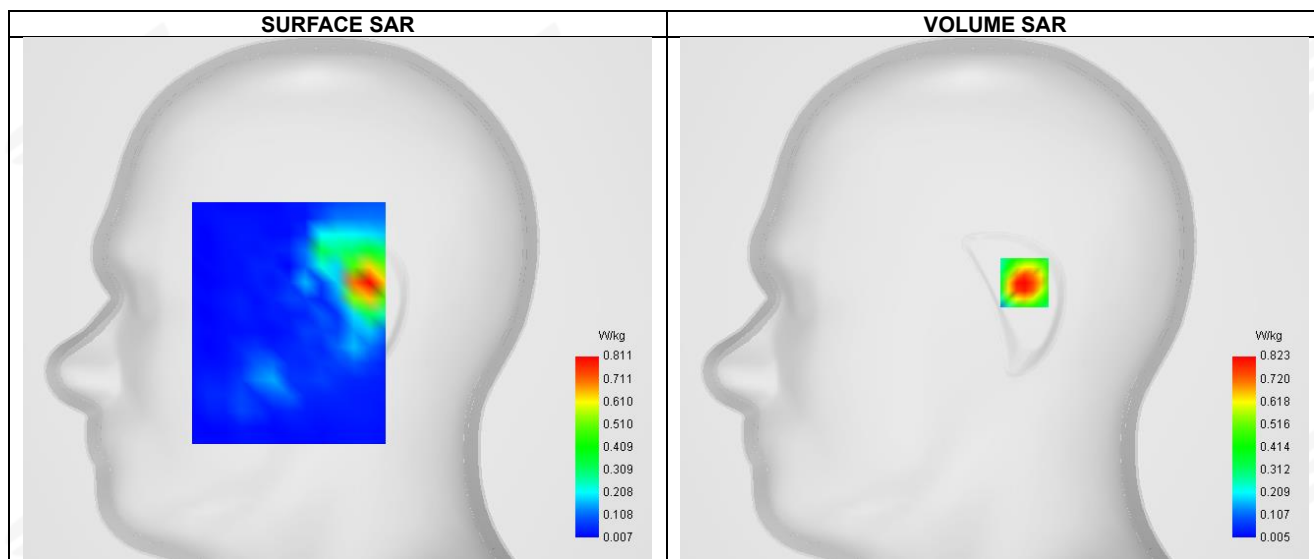


F. 3D Image



Plot 45: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-30
ConvF	1.33
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2mm, Complete
Phantom	Head
Device Position	Right Cheek
Band	5.2GHz WLAN ANT 1
Signal	802.11a (Crest factor: 1.0)
Frequency	5180



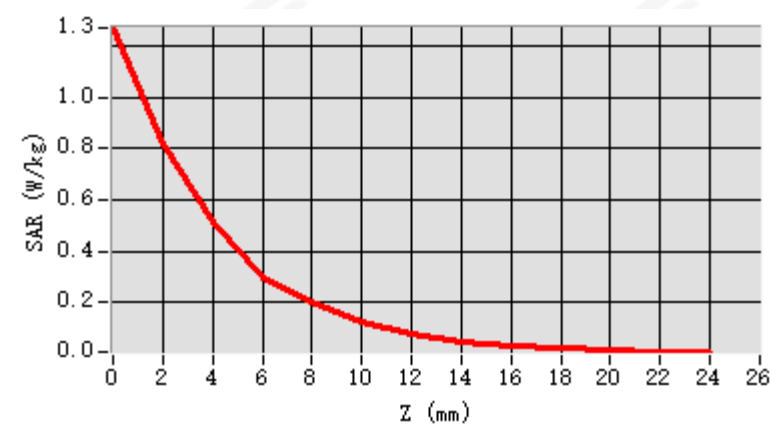
Maximum location: X=15.00, Y=8.00 ; SAR Peak: 2.06 W/kg

D. SAR 1g & 10g

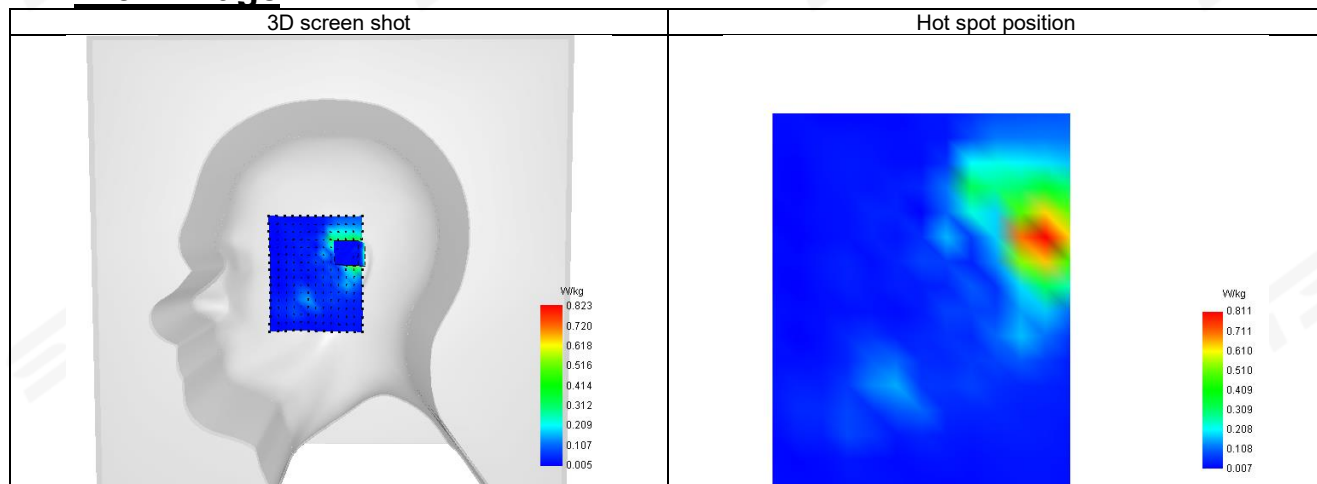
SAR 10g (W/Kg)	0.299
SAR 1g (W/Kg)	0.824
Horizontal validation criteria: minimum distance (mm)	12.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	62.416498

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)	1.271	0.823	0.514	0.295	0.200	0.125	0.078	0.049	0.031	0.019	0.012	0.008



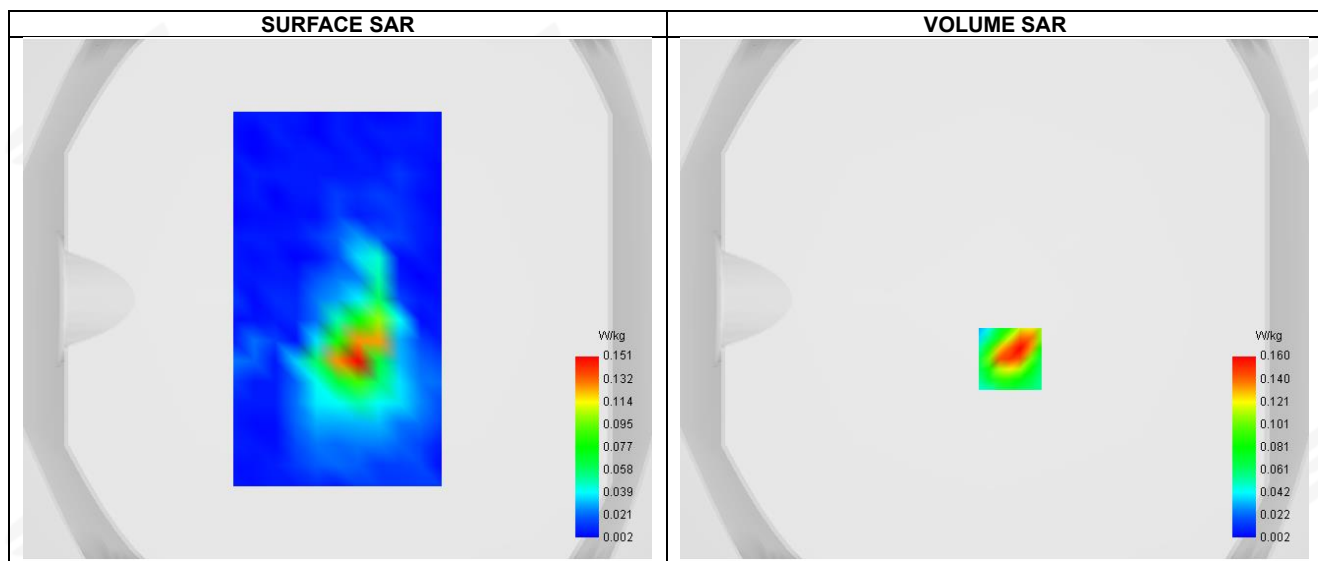
F. 3D Image





Plot 46: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-30
ConvF	1.33
Area Scan	dx=8mm dy=8mm,Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm, Complete
Phantom	Head
Device Position	Right Cheek
Band	5.2GHz WLAN ANT 1
Signal	802.11a (Crest factor: 1.0)
Frequency	5180



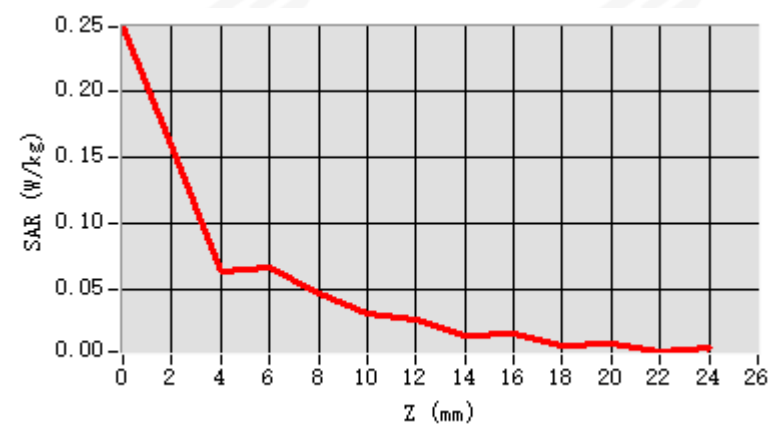
Maximum location: X=6.00, Y=-23.00 ; SAR Peak: 0.35 W/kg

D. SAR 1g & 10g

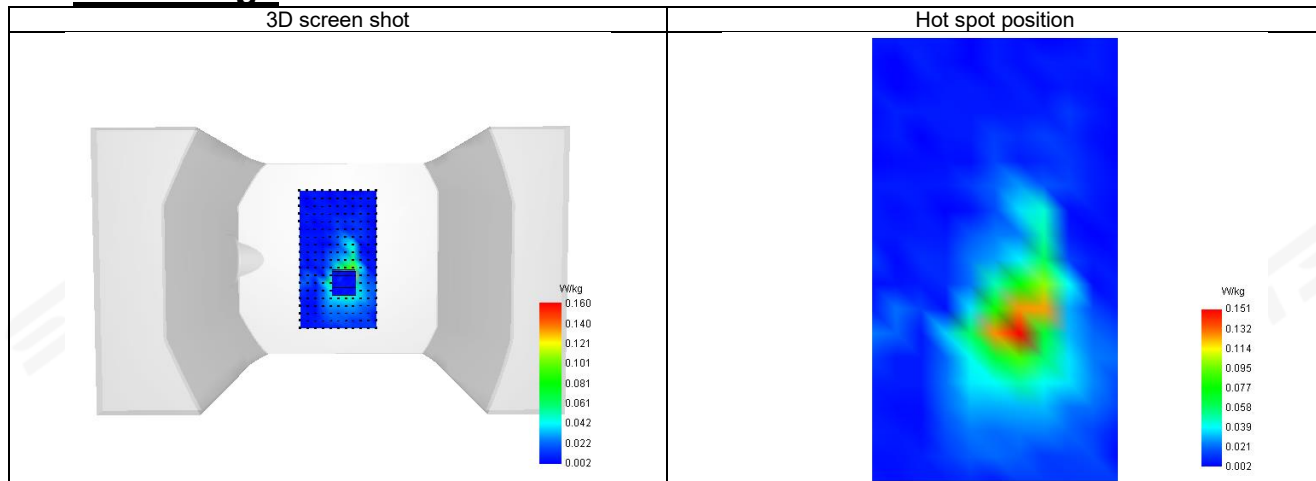
SAR 10g (W/Kg)	0.041
SAR 1g (W/Kg)	0.111
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	54.182964

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)	0.248	0.160	0.064	0.068	0.047	0.033	0.028	0.016	0.017	0.008	0.010	0.004

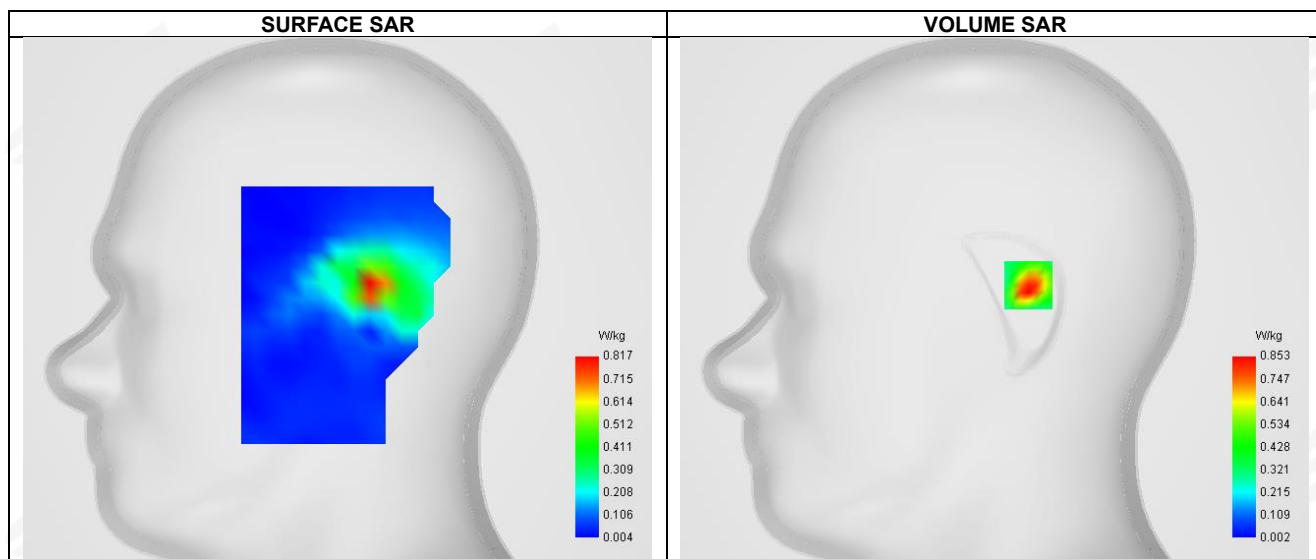


F. 3D Image



Plot 47: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-30
ConvF	1.33
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2mm, Complete
Phantom	Head
Device Position	Right Cheek
Band	5.2GHz WLAN ANT 2
Signal	802.11a (Crest factor: 1.0)
Frequency	5180



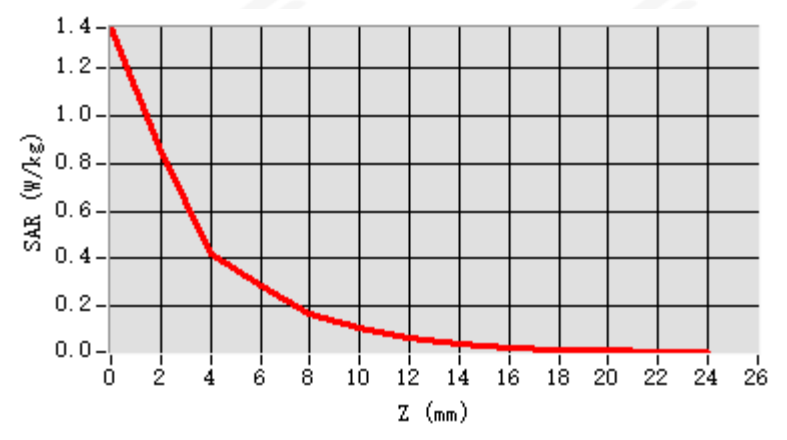
Maximum location: X=17.00, Y=7.00 ; SAR Peak: 2.05 W/kg

D. SAR 1g & 10g

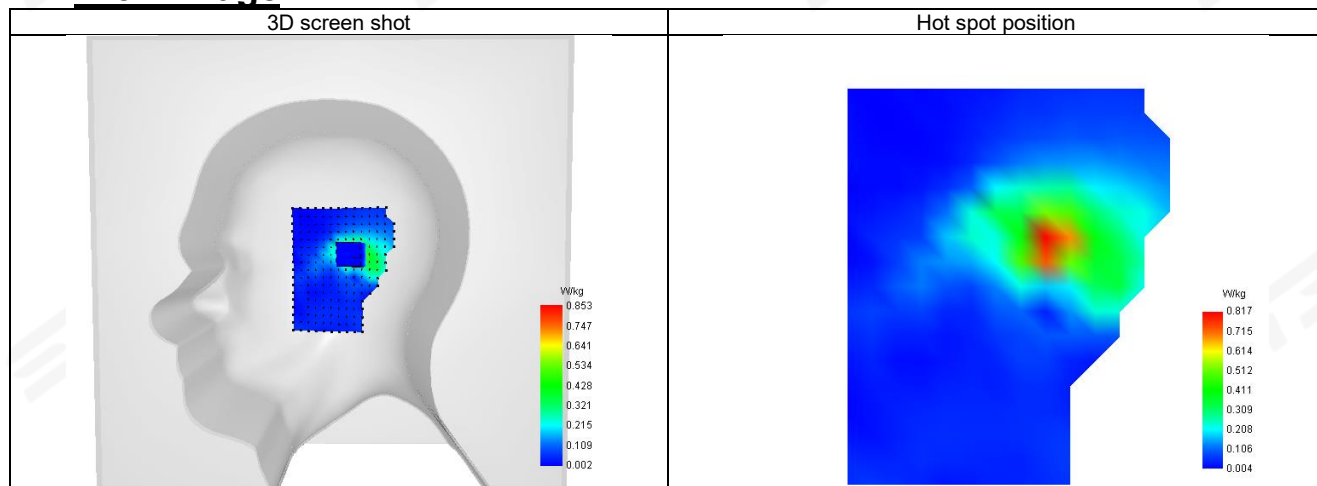
SAR 10g (W/Kg)	0.292
SAR 1g (W/Kg)	0.830
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	57.837412

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)	1.373	0.853	0.419	0.285	0.170	0.108	0.066	0.039	0.025	0.014	0.010	0.005



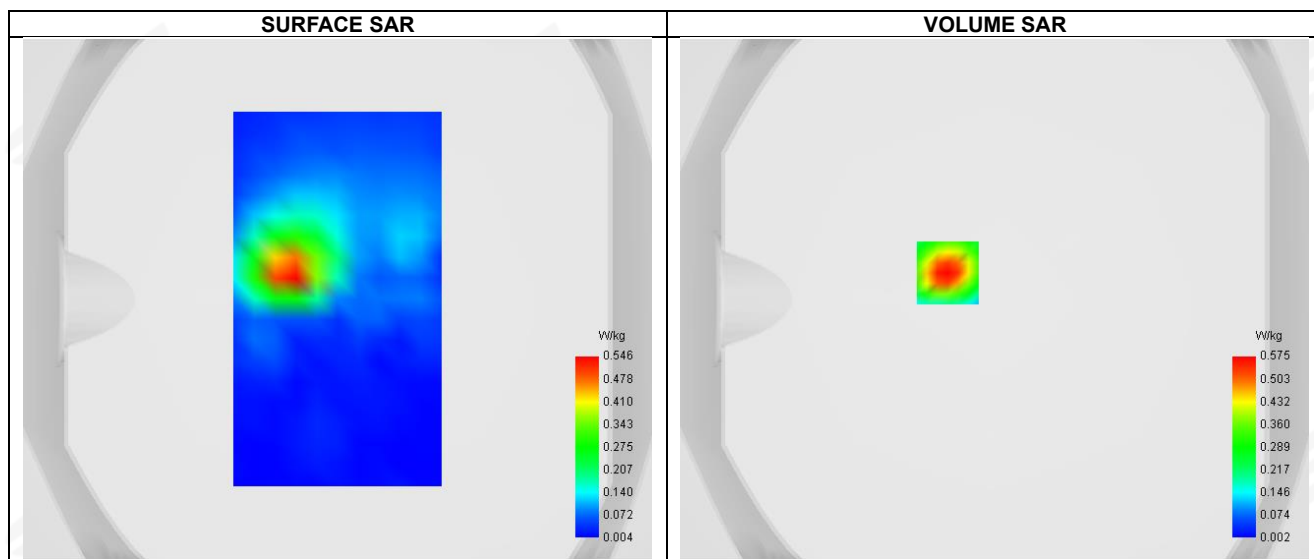
F. 3D Image





Plot 48: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-30
ConvF	1.33
Area Scan	dx=8mm dy=8mm,Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm, Complete
Phantom	Head
Device Position	Right Cheek
Band	5.2GHz WLAN ANT 2
Signal	802.11a (Crest factor: 1.0)
Frequency	5180



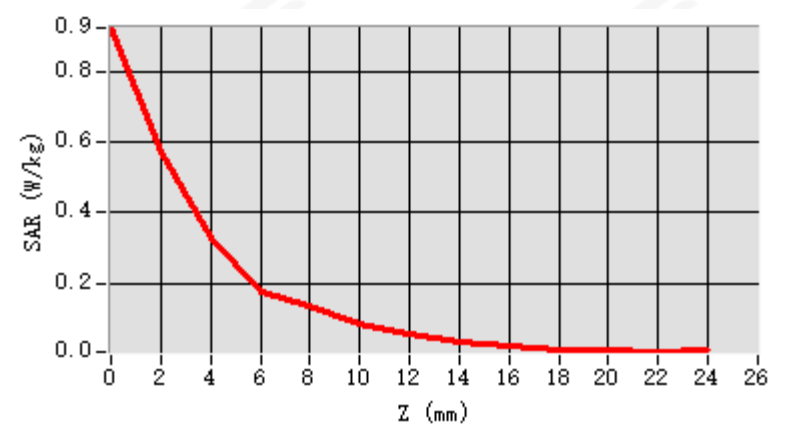
Maximum location: X=-18.00, Y=10.00 ; SAR Peak: 0.99 W/kg

D. SAR 1g & 10g

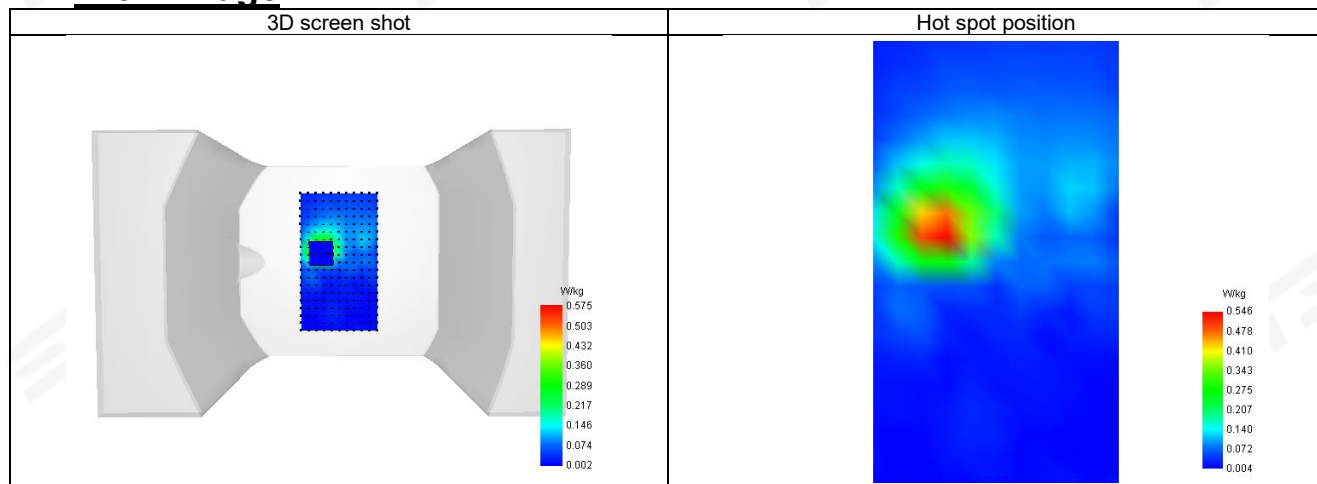
SAR 10g (W/Kg)	0.140
SAR 1g (W/Kg)	0.362
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	57.405317

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)	0.924	0.575	0.330	0.175	0.136	0.086	0.055	0.035	0.022	0.014	0.009	0.006

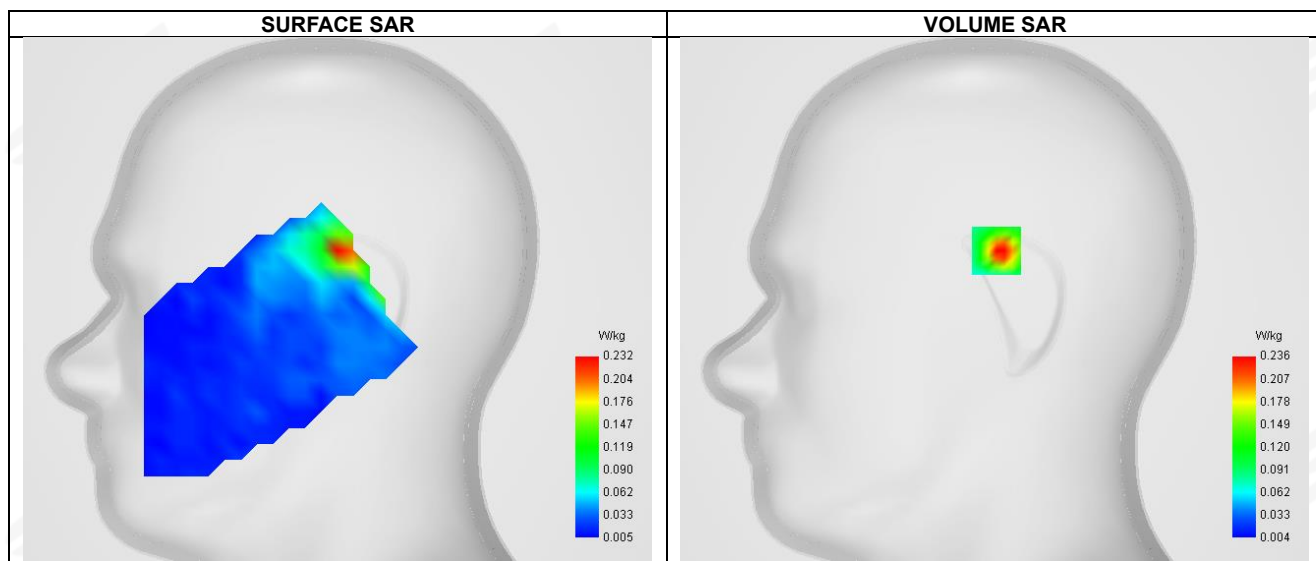


F. 3D Image



Plot 49: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-30
ConvF	1.33
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2mm, Complete
Phantom	Head
Device Position	Right Cheek
Band	5.2GHz WLAN MIMO ANT 1
Signal	802.11n(HT20) (Crest factor: 1.0)
Frequency	5180



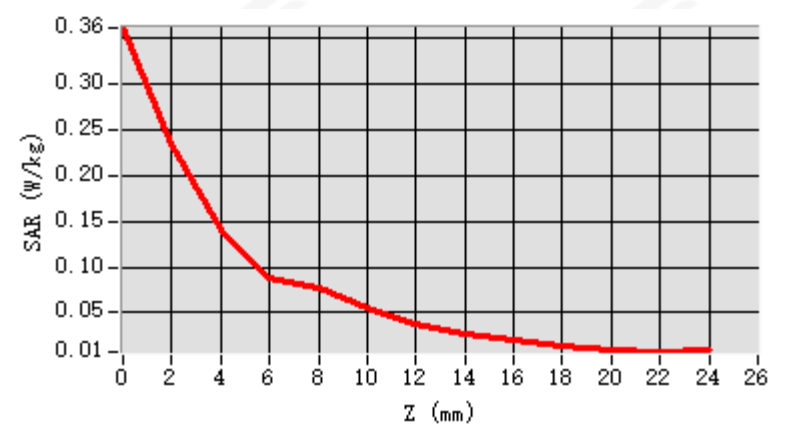
Maximum location: X=1.00, Y=24.00 ; SAR Peak: 0.60 W/kg

D. SAR 1g & 10g

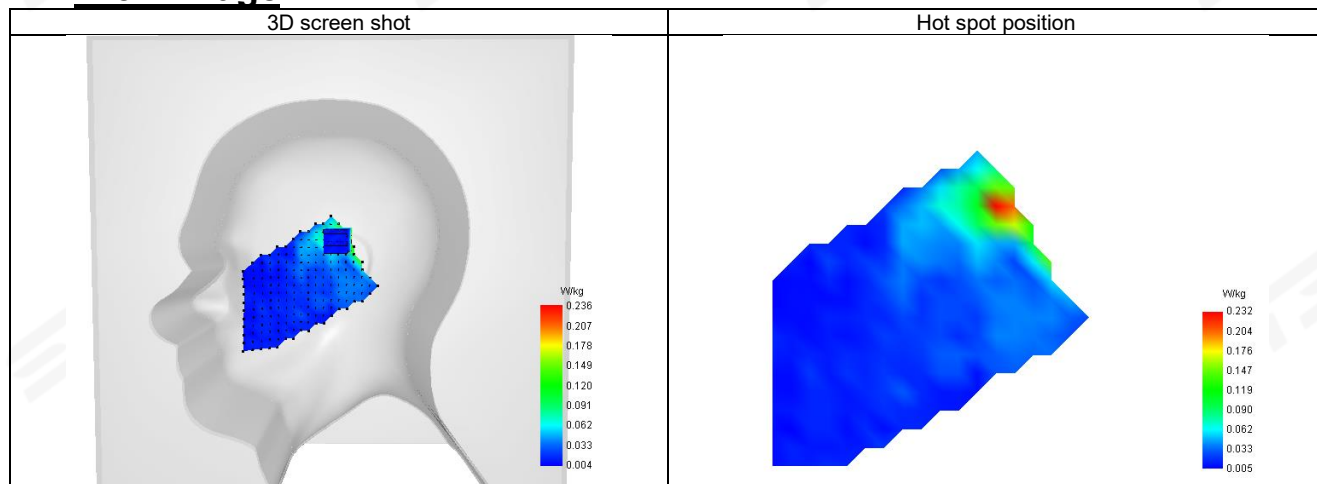
SAR 10g (W/Kg)	0.156
SAR 1g (W/Kg)	0.247
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	60.565720

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)	0.362	0.236	0.141	0.088	0.076	0.054	0.039	0.027	0.019	0.014	0.010	0.007



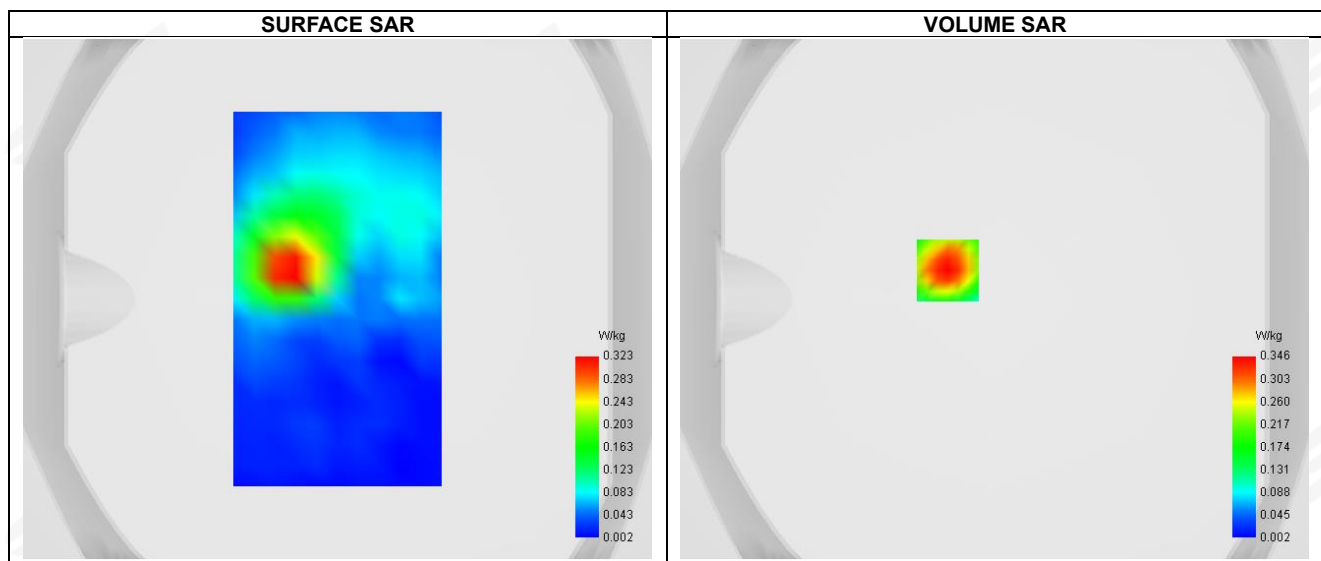
F. 3D Image





Plot 50: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-30
ConvF	1.33
Area Scan	dx=8mm dy=8mm,Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm, Complete
Phantom	Head
Device Position	Right Cheek
Band	5.2GHz WLAN MIMO ANT 1
Signal	802.11n(HT20) (Crest factor: 1.0)
Frequency	5180



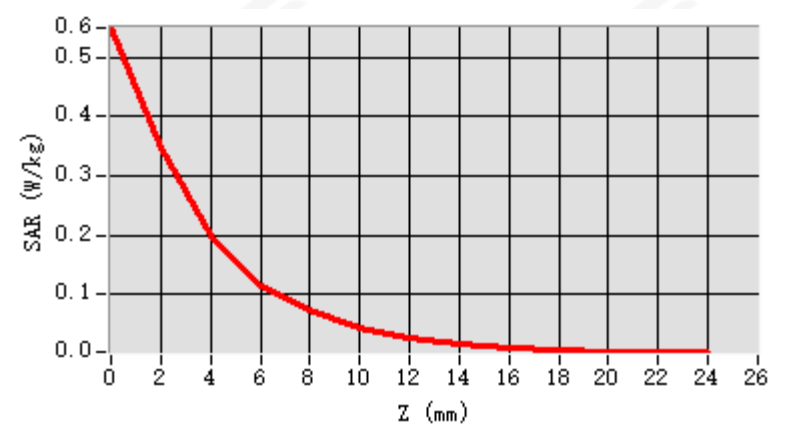
Maximum location: X=-18.00, Y=11.00 ; SAR Peak: 0.60 W/kg

D. SAR 1g & 10g

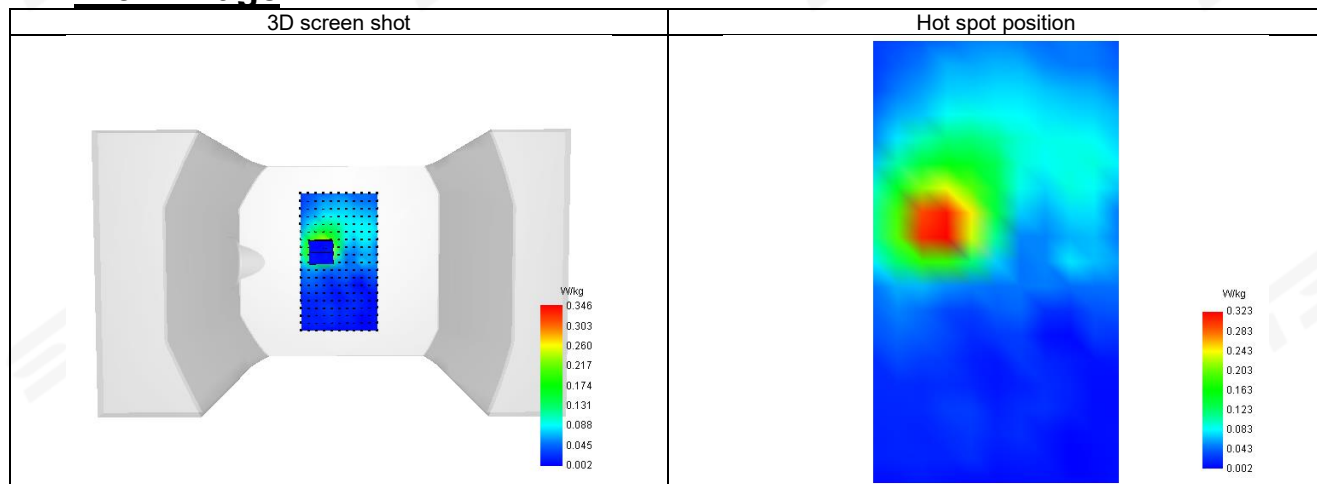
SAR 10g (W/Kg)	0.093
SAR 1g (W/Kg)	0.228
Horizontal validation criteria: minimum distance (mm)	12.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	57.760679

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)	0.551	0.346	0.200	0.113	0.073	0.044	0.026	0.016	0.009	0.006	0.003	0.002



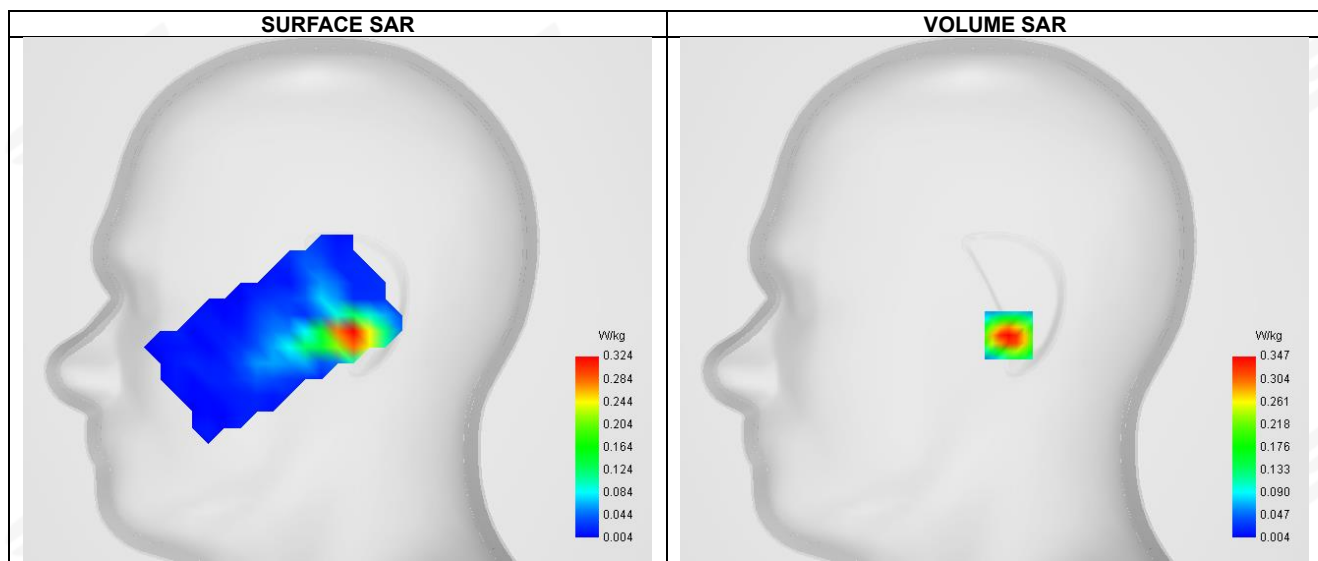
F. 3D Image





Plot 51: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-30
ConvF	1.33
Area Scan	dx=8mm dy=8mm,Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm, Complete
Phantom	Head
Device Position	Right Cheek
Band	5.2GHz WLAN MIMO ANT 2
Signal	802.11n(HT20) (Crest factor: 1.0)
Frequency	5180



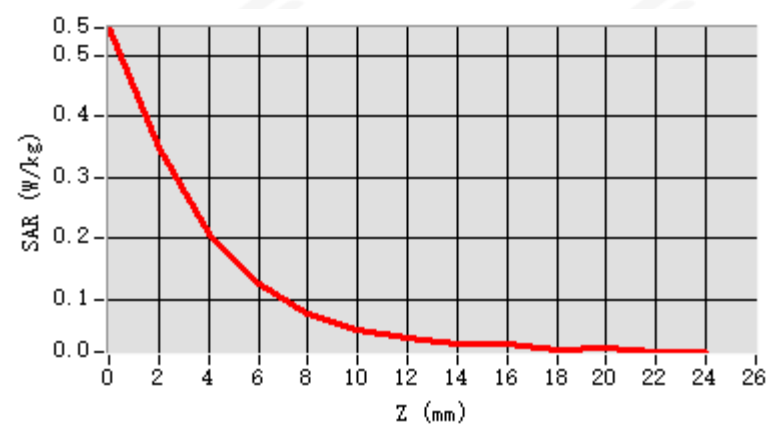
Maximum location: X=7.00, Y=-18.00 ; SAR Peak: 0.80 W/kg

D. SAR 1g & 10g

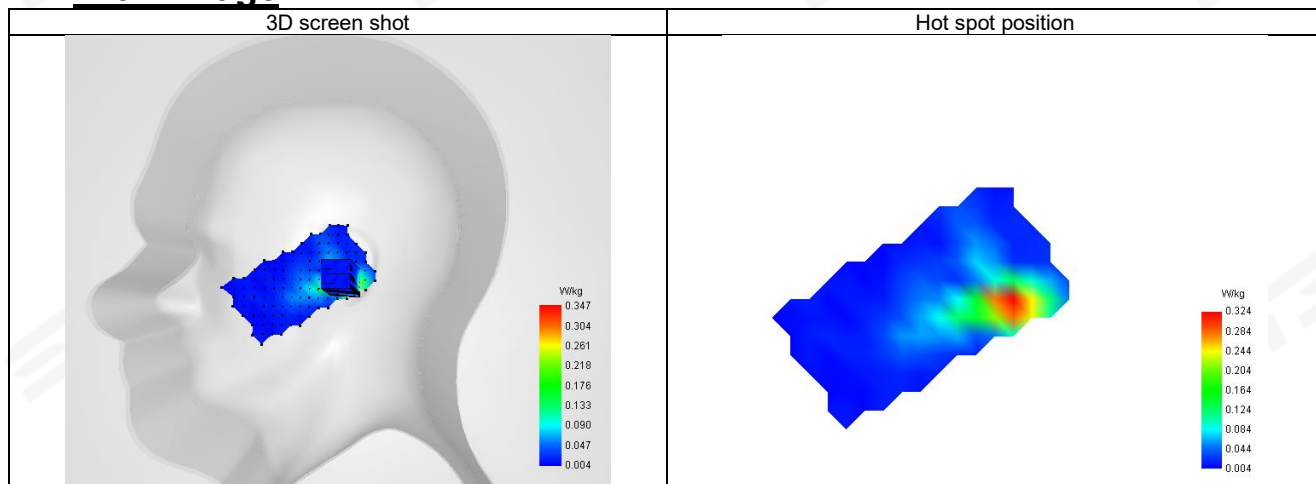
SAR 10g (W/Kg)	0.195
SAR 1g (W/Kg)	0.324
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	59.806716

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.545	0.347	0.207	0.124	0.076	0.051	0.036	0.027	0.026	0.018	0.020	0.014



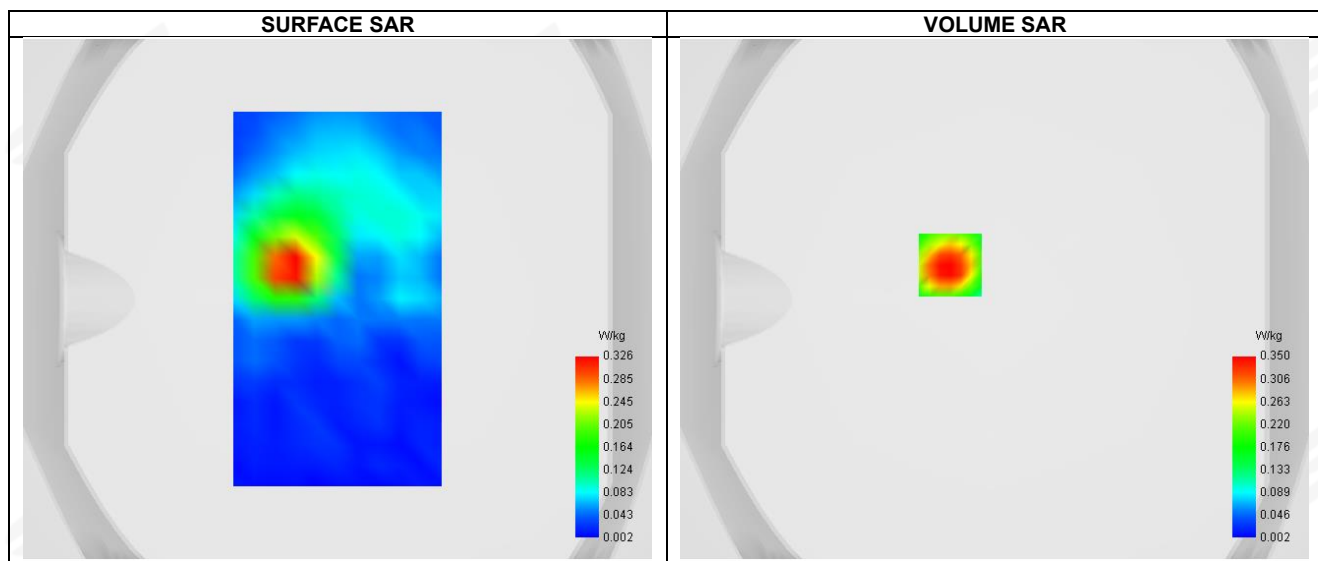
F. 3D Image





Plot 52: DUT: 5G smart phone; EUT Model: XPLORE 2

Test Date	2025-07-30
ConvF	1.33
Area Scan	dx=8mm dy=8mm,Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm, Complete
Phantom	Head
Device Position	Right Cheek
Band	5.2GHz WLAN MIMO ANT 2
Signal	802.11n(HT20) (Crest factor: 1.0)
Frequency	5180



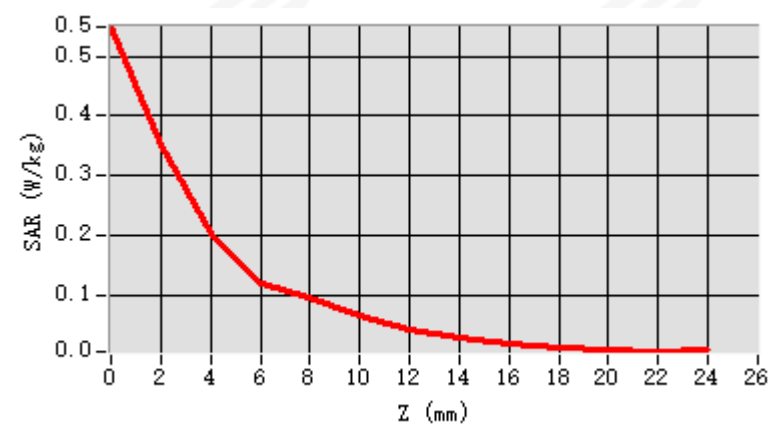
Maximum location: X=-17.00, Y=13.00 ; SAR Peak: 0.63 W/kg

D. SAR 1g & 10g

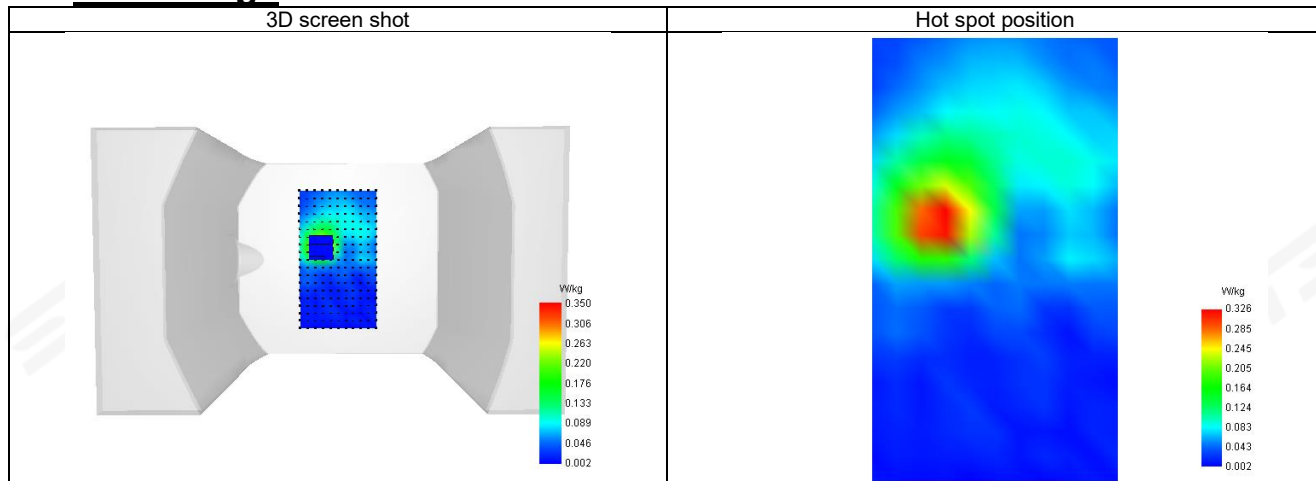
SAR 10g (W/Kg)	0.096
SAR 1g (W/Kg)	0.237
Horizontal validation criteria: minimum distance (mm)	14.422205
Vertical validation criteria: SAR ratio M2/M1 (%)	58.268596

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)	0.549	0.350	0.204	0.119	0.096	0.065	0.043	0.029	0.019	0.013	0.009	0.006



F. 3D Image





Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※END OF THE REPORT※※※※