



SAR TEST REPORT

Product Name: Smart phone

Model Name: TANK 2 Pro

FCC ID: 2BAVY-TANK2PRO

Issued For : Shenzhen OBLUE Communication Technology Co.,Ltd.

Room 702, Hepingdayou industrial and trade industrial park,
No. 41, Yonghe Road, Heping Community, Fuhai Street,
Baoan District, Shenzhen City, China

Issued By : Shenzhen LGT Test Service Co., Ltd.

Room 205, Building 13, Zone B, Zhenxiong Industrial Park,
No.177, Renmin West Road, Jinsha, Kengzi Street,
Pingshan District, Shenzhen, Guangdong, China

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Date of Test: Apr. 17, 2024 ~ May. 03, 2024

Date of Issue: May. 07, 2024

Head: 0.514 W/kg

Max. SAR (1g):

Body: 0.849 W/kg

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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	14
5.1 Validation System	14
5.2 Validation Result	15
6. SAR Evaluation Procedures	16
7. EUT Antenna Location Sketch	17
7.1 SAR test exclusion consider table	18
8. EUT Test Position	25
8.1 Define Two Imaginary Lines on the Handset	25
8.2 Hotspot mode exposure position condition	26
9. Uncertainty	27
9.1 Measurement Uncertainty	27
10. Conducted Power Measurement	28
10.1 Test Result:	28
11. EUT and Test Setup Photo	64
11.1 EUT Photos	64
11.2 Setup Photos	67
12. SAR Result Summary	73
12.1 Head SAR	73
12.2 Body-worn and Hotspot SAR	78
13. Equipment List	89
Appendix A. System Validation Plots	90
Appendix B. SAR Test Plots	122
Appendix C. Probe Calibration and Dipole Calibration Report	172



Revision History

Rev.	Issue Date	Contents
00	May. 07, 2024	Initial Issue



TEST REPORT CERTIFICATION

Applicant Shenzhen OBLUE Communication Technology Co.,Ltd.
Address Room 702, Hepingdayou industrial and trade industrial park, No. 41, Yonghe Road, Heping Community, Fuhai Street, Baoan District, Shenzhen City,China

Manufacture Shenzhen OBLUE Communication Technology Co.,Ltd.
Address Room 702, Hepingdayou industrial and trade industrial park, No. 41, Yonghe Road, Heping Community, Fuhai Street, Baoan District, Shenzhen City,China

Product Name Smart phone

Trademark 8849,Unihertz

Model Name TANK 2 Pro

Sample number LGT2404071-4

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
ANSI/IEEE Std. C95.1-1992 FCC 47 CFR Part 2 (2.1093) IEEE 1528: 2013	PASS

Prepared by:

Della He

Della He
Engineer

Approved by:

Vita Li

Vita Li
Manager





1. General Information

Environmental evaluation measurements of specific absorption rate (SAR) distributions in emulated human head and body tissues exposed to radio frequency (RF) radiation from wireless portable devices for compliance with the rules and regulations of the U.S. Federal Communications Commission (FCC).

1.1 EUT Description

Product Name	Smart phone		
Trademark	8849,Unihertz		
Model Name	TANK 2 Pro		
Series Model	N/A		
Model Difference	N/A		
Device Category	Portable		
Product stage	Production unit		
RF Exposure Environment	General Population / Uncontrolled		
Hardware Version	G92_V1.0		
Software Version	TANK2_PRO_20240416		
Frequency Range	GSM 850: 824 ~ 849 MHz PCS 1900: 1850 ~ 1910 MHz WCDMA Band II: 1850 ~ 1910 MHz WCDMA Band IV:1710 ~ 1755 MHz WCDMA Band V: 824 ~ 849 MHz CDMA&EVDO: BC0: 824.70 MHz~ 848.31 MHz BC1: 1851.25 MHz~ 1908.75 MHz LTE Band 2:1850 ~1910MHz LTE Band 4:1710 ~1755MHz LTE Band 5:824 ~ 849MHz LTE Band 7:2500 ~ 2570MHz LTE Band 12:699~716MHz LTE Band 13:777~787MHz LTE Band 17:704 ~ 716MHz LTE Band 25:1850~1915MHz LTE Band 26:824-849MHz LTE Band 38:2570~2620MHz LTE Band 40:2305~2315MHz/2350-2360MHz LTE Band 41:2555~2655MHz LTE Band 66:1710~1780MHz WLAN 802.11b/g/n20: 2412 MHz ~ 2462 MHz WLAN 802.11n40: 2422 MHz ~ 2452 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5150 ~ 5250 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5250 ~ 5350 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5470 ~ 5725 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80: 5725 ~ 5850 MHz Bluetooth: 2402 ~ 2480 MHz NFC: 13.56MHz		
Max. Reported SAR(1g): (Limit:1.6W/kg) Test distance: Head:0mm	Mode	Head (W/kg)	Body Worn and Hotspot (W/ kg)
	GSM 850	0.174	0.373
	PCS 1900	0.100	0.698
	WCDMA Band II	0.117	0.599



Body:10mm	WCDMA Band IV	0.154	0.849
	WCDMA Band V	0.192	0.238
	CDMA BC0	0.070	0.083
	CDMA BC1	0.079	0.102
	LTE Band 2	0.116	0.503
	LTE Band 4	0.162	0.840
	LTE Band 5	0.204	0.300
	LTE Band 7	0.149	0.536
	LTE Band 12	0.154	0.250
	LTE Band 13	0.177	0.222
	LTE Band 17	0.182	0.261
	LTE Band 25	0.126	0.547
	LTE Band 26	0.186	0.232
	LTE Band 38	0.121	0.370
	LTE Band 40	0.115	0.308
	LTE Band 41	0.123	0.318
	LTE Band 66	0.153	0.787
	2.4G WLAN	0.247	0.208
	5.2G WLAN	0.514	0.484
	5.3G WLAN	0.370	0.486
	5.6G WLAN	0.470	0.483
	5.8G WLAN	0.380	0.501
	Bluetooth ^{Note}	0.093	0.093
	NFC ^{Note}	0.000004	0.000004
1-g Sum SAR		0.718	1.350
Battery	Rated Voltage:7.74V Capacity: 10500mAh		
Description test modes	SIM 1 and SIM 2 is a chipset unit and tested as single chipset, SIM 1 is used to tested		
Operating Mode:	GSM: GSM Voice; GPRS Class 12 WCDMA: RMC, HSDPA, HSUPA Release 6 LTE: QPSK, 16QAM 2.4G WLAN: 802.11b(DSSS): CCK, DQPSK, DBPSK 802.11g(OFDM): BPSK, QPSK,16-QAM,64-QAM 802.11n(OFDM): BPSK, QPSK,16-QAM,64-QAM 5G WLAN: 802.11a(OFDM): BPSK, QPSK,16-QAM,64-QAM 802.11n(OFDM): BPSK, QPSK,16-QAM,64-QAM 802.11ac (OFDM): BPSK, QPSK,16-QAM,64-QAM,256-QAM Bluetooth: GFSK + π /4DQPSK+8DPSK BLE: GFSK NFC:ASK		
Antenna Specification	GSM/WCDMA/LTE: PIFA Antenna Bluetooth: PIFA Antenna WLAN: PIFA Antenna NFC: Coil Antenna		
Operating Mode	Maximum continuous output		
SIM Card	Support dual-SIM, dual standby, the multiple SIM card with two lines cannot trans mitting at the same time		
Hotspot Mode	Support		
DTM Mode	Not Support		
Note:			
1. The BT value was Estimated.			



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 LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China
Accreditation Certificate	FCC Registration No.: 746540
	A2LA Certificate No.: 6727.01
	IC Registration No.: CN0136



2. Test Standards and Limits

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	ANSI/IEEE Std. C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	FCC KDB 447498 D01 v06	Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies
5	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
6	FCC KDB 865664 D02 v01r02	RF Exposure Reporting
7	FCC KDB 941225 D01 v03r01	SAR Measurement Procedures for 3G Devices
8	FCC KDB 941225 D05 v02r05	SAR for LTE Devices
9	FCC KDB 941225 D06 v02r01	Hotspot Mode SAR
10	FCC KDB 648474 D04 v01r03	SAR Evaluation Considerations for Wireless Handsets
11	FCC KDB 248227 D01 Wi-Fi SAR v02r02	SAR Considerations for 802.11 Devices

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

Whole-Body Partial-Body Hands, Wrists, Feet and Ankles

0.4 8.0 20.0

(B). Limits for General Population/Uncontrolled Exposure (W/kg)

Whole-Body Partial-Body Hands, Wrists, Feet and Ankles

0.08 1.6 4.0

NOTE: Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1 gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

Population/Uncontrolled Environments:

Are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

Occupational/Controlled Environments:

Are defined as locations where there is exposure that may be incurred by people who are aware of the potential for exposure, (i.e. as a result of employment or occupation).

NOTE
GENERAL POPULATION/UNCONTROLLED EXPOSURE
PARTIAL BODY LIMIT
1.6 W/kg



3. SAR Measurement System

3.1 Definition of Specific Absorption Rate (SAR)

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

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

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

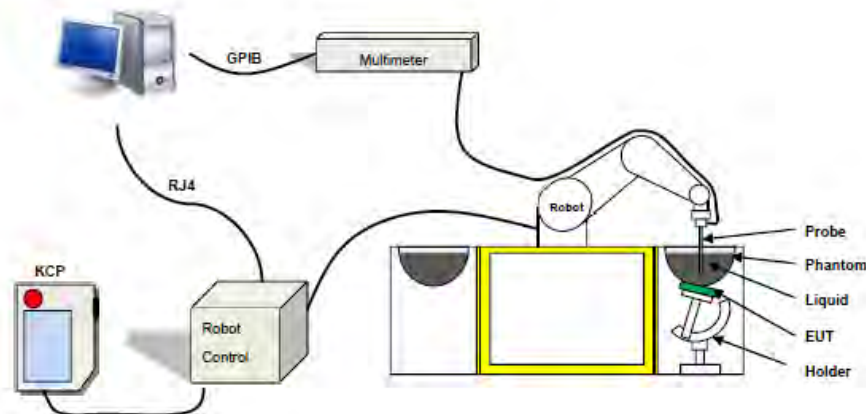
$$SAR = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue;

ρ is the mass density of the tissue and E is the RMS electrical field strength.

3.2 SAR System

MVG SAR System Diagram:



COMOSAR is a system that is able to determine the SAR distribution inside a phantom of human being according to different standards. The COMOSAR system consists of the following items:

- Main computer to control all the system
- 6 axis robot
- Data acquisition system
- Miniature E-field probe
- Phone holder
- Head simulating tissue

The following figure shows the system.



The EUT under test operating at the maximum power level is placed in the phone holder, under the phantom, which is filled with head simulating liquid. The E-Field probe measures the electric field inside the phantom. The OpenSAR software computes the results to give a SAR value in a 1g or 1g mass.

3.2.1 Probe

For the measurements the Specific Dosimetric E-Field Probe SN 04/22 EPG0364 with following specifications is used

- Probe Length: 330 mm
- Length of Individual Dipoles: 2mm
- Maximum external diameter: 8 mm
- Probe Tip External Diameter: 2.5 mm
- Distance between dipole/probe extremity: 1 mm
- Dynamic range: 0.01-100 W/kg
- Probe linearity: 3%
- Axial Isotropy: < 0.10 dB
- Spherical Isotropy: < 0.10 dB
- Calibration range: 600 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 Probe



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.

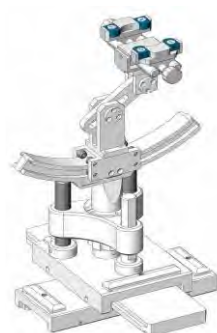


Figure-SN 06/22 SAM 148



Figure-SN 06/22 ELLI 51

3.2.3 Device Holder



The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5 mm distance, a positioning uncertainty of ± 0.5 mm would produce a SAR uncertainty of ± 20 %. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.



4. Tissue Simulating Liquids

4.1 Simulating Liquids Parameter Check

The simulating liquids should be checked at the beginning of a series of SAR measurements to determine if the dielectric parameters are within the tolerances of the specified target values

The uncertainty due to the liquid conductivity and permittivity arises from two different sources. The first source of error is the deviation of the liquid conductivity from its target value (max _ 5 %) and the second source of error arises from the measurement procedures used to assess conductivity. The uncertainty shall be assessed using a rectangular probability For 1 g averaging, the maximum weighting coefficient for SAR is 0,5.

IEEE SCC-34/SC-2 RECOMMENDED TISSUE DIELECTRIC PARAMETERS

The head and body tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 have been incorporated in the following table.

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



LIQUID MEASUREMENT RESULTS

Date	Ambient		Simulating Liquid		Parameters	Target	Measured	Deviation %	Limited %
	Temp. [°C]	Humidity %	Frequency (MHz)	Temp. [°C]					
2024-04-18	20.9	46	750	20.6	Permittivity	41.90	41.41	-1.17	±5
					Conductivity	0.89	0.88	-1.12	±5
2024-04-26	22	54	750	21.7	Permittivity	41.90	42.57	1.60	±5
					Conductivity	0.89	0.85	-4.49	±5
2024-04-19	21.8	41	835	21.5	Permittivity	41.50	42.05	1.33	±5
					Conductivity	0.90	0.92	2.22	±5
2024-04-23	20.4	40	835	20	Permittivity	41.50	42.18	1.64	±5
					Conductivity	0.90	0.93	3.33	±5
2024-04-27	20.3	43	1800	20	Permittivity	40.00	40.20	0.50	±5
					Conductivity	1.40	1.43	2.14	±5
2024-04-21	21.6	46	1800	21.3	Permittivity	40.00	40.51	1.28	±5
					Conductivity	1.40	1.45	3.57	±5
2024-04-24	21.9	57	1900	21.6	Permittivity	40.00	40.65	1.63	±5
					Conductivity	1.40	1.44	2.86	±5
2024-04-17	20.8	57	1900	20.4	Permittivity	40.00	40.67	1.68	±5
					Conductivity	1.40	1.43	2.14	±5
2024-04-25	21.3	44	2300	21.1	Permittivity	39.47	39.83	0.92	±5
					Conductivity	1.67	1.72	3.20	±5
2024-04-30	20.3	49	2450	20	Permittivity	39.20	39.34	0.36	±5
					Conductivity	1.80	1.77	-1.67	±5
2024-04-22	22.9	45	2600	22.6	Permittivity	39.00	40.36	3.49	±5
					Conductivity	1.96	1.94	-1.02	±5
2024-04-28	24	48	2600	23.7	Permittivity	39.00	39.36	0.92	±5
					Conductivity	1.96	1.97	0.51	±5
2024-04-29	20.2	43	5200	19.9	Permittivity	36.00	37.13	3.14	±5
					Conductivity	4.66	4.64	-0.43	±5
2024-05-02	20.6	53	5400	20.2	Permittivity	35.80	36.21	1.15	±5
					Conductivity	4.86	4.90	0.82	±5
2024-05-02	20.7	53	5600	20.4	Permittivity	35.55	35.94	1.10	±5
					Conductivity	5.07	5.13	1.28	±5
2024-05-03	23.5	49	5800	23.1	Permittivity	35.30	36.09	2.24	±5
					Conductivity	5.27	5.23	-0.76	±5

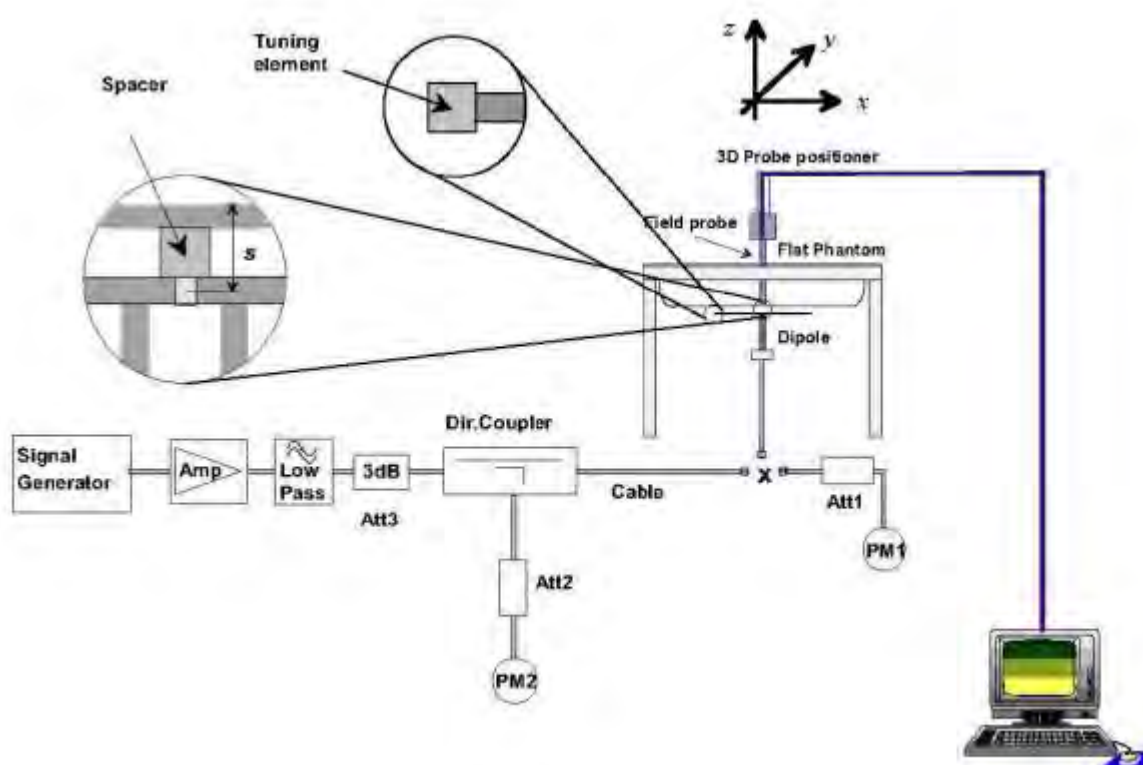


5. SAR System Validation

5.1 Validation System

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

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





5.2 Validation Result

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

Date	Freq.	Power	Tested Value	Normalized SAR	Target SAR	Tolerance	Limit
	(MHz)	(mW)	(W/Kg)	(W/kg)	1g(W/kg)	(%)	(%)
2024-04-18	750	100	0.785	7.85	8.27	-5.08	10
2024-04-26	750	100	0.791	7.91	8.27	-4.35	10
2024-04-19	835	100	0.948	9.48	9.75	-2.77	10
2024-04-23	835	100	0.956	9.56	9.75	-1.95	10
2024-04-27	1800	100	3.940	39.40	39.06	0.87	10
2024-04-21	1800	100	3.913	39.13	39.06	0.18	10
2024-04-24	1900	100	4.053	40.53	40.85	-0.78	10
2024-04-17	1900	100	4.063	40.63	40.85	-0.54	10
2024-04-25	2300	100	5.125	51.25	50.94	0.61	10
2024-04-30	2450	100	5.397	53.97	54.28	-0.57	10
2024-04-22	2600	100	5.645	56.45	56.58	-0.23	10
2024-04-28	2600	100	5.676	56.76	56.58	0.32	10
2024-04-29	5200	100	7.741	77.41	77.64	-0.30	10
2024-05-02	5400	100	8.059	80.59	80.27	0.40	10
2024-05-02	5600	100	7.815	78.15	78.35	-0.26	10
2024-05-03	5800	100	7.513	75.13	74.92	0.28	10

Note:

1. The tolerance limit of System validation $\pm 10\%$.
2. The dipole input power (forward power) was 100 mW.
3. The results are normalized to 1 W input power.



6. SAR Evaluation Procedures

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

The following steps are used for each test position

- Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
- Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

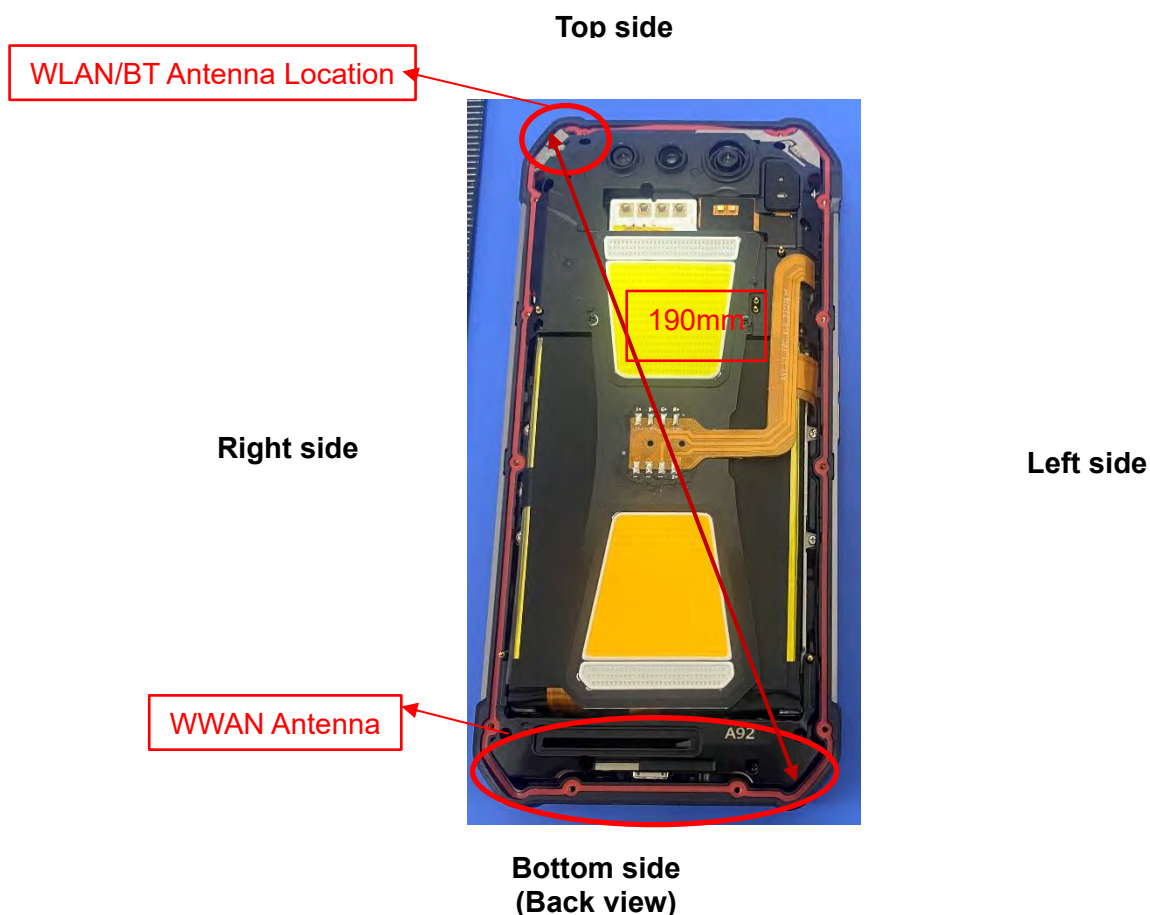
➤ Area Scan& Zoom Scan

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01 quoted below.

When the 1-g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

7. EUT Antenna Location Sketch

It is a Smart phone, support GSM/WCDMA/LTE/WLAN/BT mode.



Antenna Separation Distance(mm)						
ANT	Back Side	Front Side	Left Side	Right Side	Top Side	Bottom Side
WLAN/BT	5	5	69	5	5	155
WWAN	5	5	8	13	160	5

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



7.1 SAR test exclusion consider table

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

Exposure Position	Wireless Interface	GSM850	PCS1900	WCDMA II	WCDMA IV	WCDMA V
	Calculated Frequency (MHz)	836.6	1880	1880	1740	846.6
	Maximum Turn-up power (dBm)	33	30	23.5	23.5	23.5
	Maximum rated power(mW)	1995.26	1000.00	223.87	223.87	223.87
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.40	10.94	10.94	11.37	16.30
	Testing required?	YES	YES	YES	YES	YES
Front Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.40	10.94	10.94	11.37	16.30
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	8	8	8	8	8
	exclusion threshold(mW)	26.24	17.50	17.50	18.19	26.08
	Testing required?	YES	YES	YES	YES	YES
Right Edge	Separation distance (mm)	13	13	13	13	13
	exclusion threshold(mW)	42.64	28.44	28.44	29.57	42.39
	Testing required?	YES	YES	YES	YES	YES
Top Edge	Separation distance (mm)	160	160	160	160	160
	exclusion threshold(mW)	777.50	1209.40	1209.40	1213.71	783.86
	Testing required?	YES	NO	NO	NO	NO
Bottom Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.40	10.94	10.94	11.37	16.30
	Testing required?	YES	YES	YES	YES	YES



Exposure Position	Wireless Interface	CDMA BC0	CDMA BC1	LTE Band 2	LTE Band 4	LTE Band 5
	Calculated Frequency (MHz)	824.7	1880	1900	1745	844
	Maximum Turn-up power (dBm)	23	22	24	24	24.5
	Maximum rated power(mW)	199.53	158.49	251.19	251.19	281.84
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.52	10.94	10.88	11.36	16.33
	Testing required?	YES	YES	YES	YES	YES
Front Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.52	10.94	10.88	11.36	16.33
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	8	8	8	8	8
	exclusion threshold(mW)	26.43	17.50	17.41	18.17	26.12
	Testing required?	YES	YES	YES	YES	YES
Right Edge	Separation distance (mm)	13	13	13	13	13
	exclusion threshold(mW)	42.95	28.44	28.29	29.52	42.45
	Testing required?	YES	YES	YES	YES	YES
Top Edge	Separation distance (mm)	160	160	160	160	160
	exclusion threshold(mW)	769.95	1209.40	1208.82	1213.55	782.21
	Testing required?	NO	NO	NO	NO	NO
Bottom Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.52	10.94	10.88	11.36	16.33
	Testing required?	YES	YES	YES	YES	YES



Exposure Position	Wireless Interface	LTE Band 7	LTE Band 12	LTE Band 13	LTE Band 17	LTE Band 25
	Calculated Frequency (MHz)	2535	707.5	707.5	709	1905
	Maximum Turn-up power (dBm)	24.5	24	24	24	24.5
	Maximum rated power(mW)	281.84	251.19	251.19	251.19	281.84
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	9.42	17.83	17.83	17.81	10.87
	Testing required?	YES	YES	YES	YES	YES
Front Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	9.42	17.83	17.83	17.81	10.87
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	8	8	8	8	8
	exclusion threshold(mW)	15.07	28.53	28.53	28.50	17.39
	Testing required?	YES	YES	YES	YES	YES
Right Edge	Separation distance (mm)	13	13	13	13	13
	exclusion threshold(mW)	24.49	46.37	46.37	46.32	28.26
	Testing required?	YES	YES	YES	YES	YES
Top Edge	Separation distance (mm)	160	160	160	160	160
	exclusion threshold(mW)	1194.21	697.16	697.16	698.08	1208.68
	Testing required?	NO	NO	NO	NO	NO
Bottom Edge	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	9.42	17.83	17.83	17.81	10.87
	Testing required?	YES	YES	YES	YES	YES



Exposure Position	Wireless Interface	LTE Band 26	LTE Band 38	LTE Band 40	LTE Band 41
	Calculated Frequency (MHz)	841.5	2580	2310	2680
	Maximum Turn-up power (dBm)	24.5	24.5	12	24.5
	Maximum rated power(mW)	281.84	281.84	15.85	281.84
Back Side	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	16.35	9.34	9.87	9.16
	Testing required?	YES	YES	YES	YES
Front Side	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	16.35	9.34	9.87	9.16
	Testing required?	YES	YES	YES	YES
Left Edge	Separation distance (mm)	8	8	8	8
	exclusion threshold(mW)	26.16	14.94	15.79	14.66
	Testing required?	YES	YES	YES	YES
Right Edge	Separation distance (mm)	13	13	13	13
	exclusion threshold(mW)	42.51	24.28	25.66	23.82
	Testing required?	YES	YES	NO	YES
Top Edge	Separation distance (mm)	160	160	160	160
	exclusion threshold(mW)	780.62	1193.39	315.82	1191.63
	Testing required?	NO	NO	NO	NO
Bottom Edge	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	16.35	9.34	9.87	9.16
	Testing required?	YES	YES	YES	YES



Exposure Position	Wireless Interface	LTE Band 66	BT	2.4G WLAN	5.2G WLAN
	Calculated Frequency (MHz)	1745	2441	2462	5200
	Maximum Turn-up power (dBm)	23.5	3.5	18	17
	Maximum rated power(mW)	223.87	2.24	63.10	50.12
Back Side	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	11.36	9.60	9.56	6.58
	Testing required?	YES	NO	YES	YES
Front Side	Separation distance (mm)	5	5	5	5
	exclusion threshold(mW)	11.36	9.60	9.56	6.58
	Testing required?	YES	NO	YES	YES
Left Edge	Separation distance (mm)	8	69	69	69
	exclusion threshold(mW)	18.17	286.01	285.60	255.78
	Testing required?	YES	NO	NO	NO
Right Edge	Separation distance (mm)	13	5	5	5
	exclusion threshold(mW)	29.52	9.60	9.56	6.58
	Testing required?	YES	NO	YES	YES
Top Edge	Separation distance (mm)	160	5	5	5
	exclusion threshold(mW)	1213.55	9.60	9.56	6.58
	Testing required?	NO	NO	YES	YES
Bottom Edge	Separation distance (mm)	5	155	155	155
	exclusion threshold(mW)	11.36	1146.01	1145.60	1115.78
	Testing required?	YES	NO	NO	NO



Exposure Position	Wireless Interface	5.3G WLAN	5.6G WLAN	5.8G WLAN
	Calculated Frequency (MHz)	5260	5580	5825
	Maximum Turn-up power (dBm)	17.5	17.5	17.5
	Maximum rated power(mW)	56.23	56.23	56.23
Back Side	Separation distance (mm)	5	5	5
	exclusion threshold(mW)	6.54	6.35	6.22
	Testing required?	YES	YES	YES
Front Side	Separation distance (mm)	5	5	5
	exclusion threshold(mW)	6.54	6.35	6.22
	Testing required?	YES	YES	YES
Left Edge	Separation distance (mm)	69	69	69
	exclusion threshold(mW)	255.40	253.50	252.15
	Testing required?	NO	NO	NO
Right Edge	Separation distance (mm)	5	5	5
	exclusion threshold(mW)	6.54	6.35	6.22
	Testing required?	YES	YES	YES
Top Edge	Separation distance (mm)	5	5	5
	exclusion threshold(mW)	6.54	6.35	6.22
	Testing required?	YES	YES	YES
Bottom Edge	Separation distance (mm)	155	155	155
	exclusion threshold(mW)	1115.40	1113.50	1112.15
	Testing required?	NO	NO	NO

Note:

1. maximum power is the source-based time-average power and represents the maximum RF output power among production units.
2. per KDB 447498 D01, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
3. per KDB 447498 D01, standalone SAR test exclusion threshold is applied; if the distance of the antenna to the user is <25mm, 25mm is user to determine SAR exclusion threshold
4. per KDB 447498 D01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distance $\leq 50\text{mm}$ are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance,}$$



mm)]*[$\sqrt{f(\text{GHz})}$] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, $f(\text{GHz})$ is the RF channel transmit frequency in GHz. Power and distance are rounded to the nearest mW and mm before calculation.

The result is rounded to one decimal place for comparison

For <50mm distance, we just calculate mW of the exclusion threshold value(3.0)to do compare

5. per KDB 447498 D01, at 100 MHz to 6GHz and for test separation distances >50mm, the SAR test exclusion threshold is determined according to the following
 - a)[threshold at 50mm in step 1]+(test separation distance -50mm)*($f(\text{MHz})/150$)]mW, at 100 MHz to 1500 MHz
 - b) [threshold at 50mm in step1]+(test separation distance -50mm) *10]mW at > 1500MHz and $\leq 6\text{GHz}$
6. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion 8.for each frequency band ,testing at higher data rates and higher order modulations is not required when the maximum average output power for each of each of these configurations is less than 1/4db higher than those measured at the lower data rate than 11b mode ,thus the SAR can be excluded.

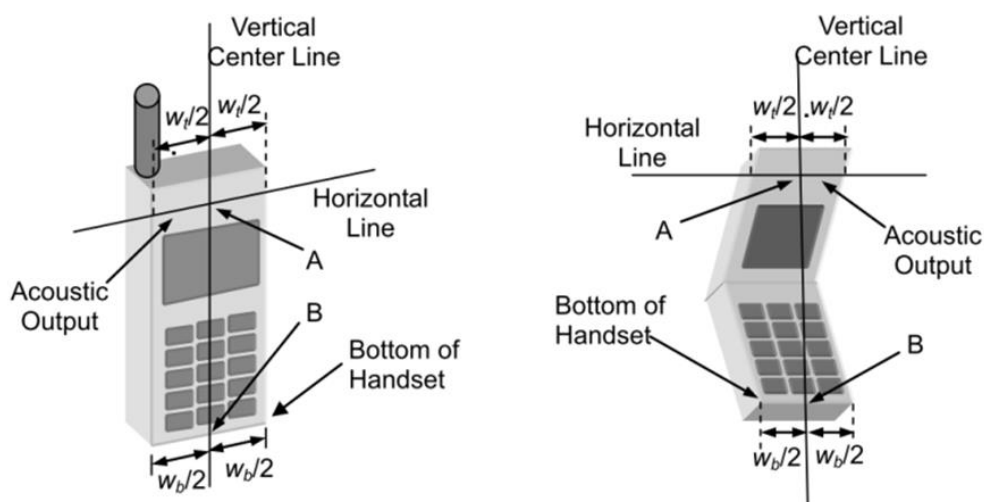


8. EUT Test Position

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

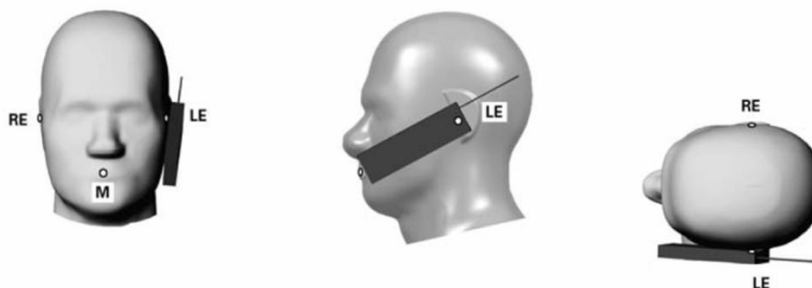
8.1 Define Two Imaginary Lines on the Handset

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



Cheek Position

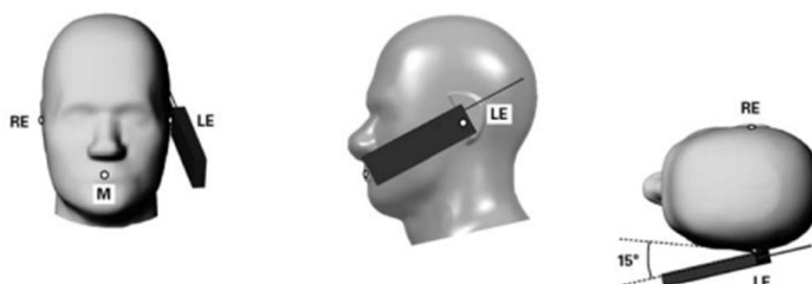
- 1) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing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





Title Position

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



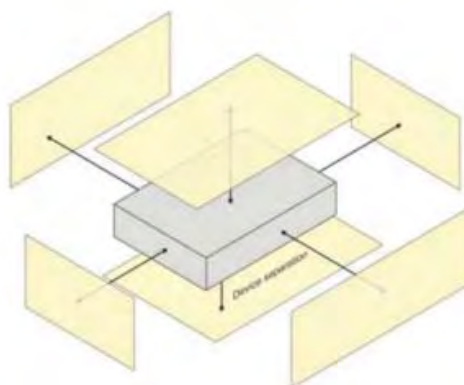
Body-worn Position Conditions:

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB Publication 447498 D01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. When the same wireless transmission configuration is used for testing body-worn accessory and hotspot mode SAR, respectively, in voice and data mode, SAR results for the most conservative *test separation distance* configuration may be used to support both SAR conditions. When the *reported* SAR for a body-worn accessory, measured without a headset connected to the handset, is $> 1.2 \text{ W/kg}$, the highest *reported* SAR configuration for that wireless mode and frequency band should be repeated for the body-worn accessory with a headset attached to the handset.



8.2 Hotspot mode exposure position condition

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





9. Uncertainty

9.1 Measurement Uncertainty

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

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 ($k = 2$)	5.8	2	2.90	1	2.90	∞
CF _{drift}	Probe calibration drift	R	0.12	$\sqrt{3}$	0.07	1	0.07	∞
LIN	Probe linearity and detection limit	R	1.91	$\sqrt{3}$	1.10	1	1.10	∞
BBS	Broadband signal	R	0.15	$\sqrt{3}$	0.09	1	0.09	∞
ISO	Probe isotropy	R	0.18	$\sqrt{3}$	0.10	1	0.10	∞
DAE	Other probe and data acquisition errors	N	2.7	1	2.70	1	2.70	∞
AMB	RF ambient and noise	N	1.73	1	1.73	1	1.73	∞
Δ_{xyz}	Probe positioning errors	N	0.81	1	0.81	$2/\delta$	0.81	
DAT	Data processing errors	N	2.5	1	2.50	1	2.50	∞
Phantom and device (DUT or validation antenna) errors								
LIQ(σ)	Measurement of phantom conductivity(σ)	N	4.4	1	4.4	$c\epsilon, c\sigma$	4.40	∞
LIQ(T_c)	Temperature effects (medium)	R	2.9	$\sqrt{3}$	1.67	$c\epsilon, c\sigma$	1.67	∞
EPS	Shell permittivity	R	3.4	$\sqrt{3}$	1.96	See 8.4.2.3	0.49	∞
DIS	Distance between the radiating element of the DUT and the phantom medium	N	0.8	1	0.8	2	1.60	∞
D _{xyz}	Repeatability of positioning the DUT or source against the phantom	N	1.5	1	1.5	1	1.50	5
H	Device holder effects	N	3	1	3	1	3.00	
MOD	Effect of operating mode on probe sensitivity	R	3.59	$\sqrt{3}$	2.07	1	2.07	∞
TAS	Time-average SAR	R	1.73	$\sqrt{3}$	1.00	1	1.00	∞
RF _{drift}	Variation in SAR due to drift in output of DUT	N	2.89	1	2.89	1	2.89	
VAL	Validation antenna uncertainty (validation measurement only)	N	1.45	1	1.45	1	1.45	
P _{in}	Uncertainty in accepted power (validation measurement only)	N	2.5	1	2.5	1	2.50	
Corrections to the SAR result (if applied)								
C(ϵ', σ)	Phantom deviation from target (ϵ', σ)	N	2.31	1	2.31	1	2.31	
C(R)	SAR scaling	R	1.15	$\sqrt{3}$	0.66	1	0.66	
u(Δ SAR)	Combined uncertainty						9.53	
U	Expanded uncertainty and effective degrees of freedom					U =	19.06	



10. Conducted Power Measurement

10.1 Test Result:

Burst Average Power (dBm)						
Band	GSM 850			PCS 1900		
Channel	128	190	251	512	661	810
Frequency (MHz)	824.2	836.6	848.8	1850.2	1880.0	1909.8
GSM (GMSK, 1-Slot)	32.68	32.77	32.58	29.50	29.59	29.38
GPRS (GMSK, 1-Slot)	32.67	32.80	32.58	29.49	29.62	29.38
GPRS (GMSK, 2-Slot)	31.97	32.13	31.93	28.58	28.66	28.39
GPRS (GMSK, 3-Slot)	30.20	30.45	30.24	26.63	26.68	26.36
GPRS (GMSK, 4-Slot)	29.17	29.45	29.21	25.56	25.60	25.24
Remark: Multi-Slot Class 8, Support Max 4 downlink, 1 uplink, 5 working link Multi-Slot Class 10, Support Max 4 downlink, 2 uplink, 5 working link Multi-Slot Class 12, Support Max 4 downlink, 4 uplink, 5 working link						

Frame- Average Power(dBm)						
Band	GSM 850			PCS 1900		
Channel	128	190	251	512	661	810
Frequency (MHz)	824.2	836.6	848.8	1850.2	1880.0	1909.8
GSM (GMSK, 1-Slot)	23.65	23.74	23.55	20.47	20.56	20.35
GPRS (GMSK, 1-Slot)	23.64	23.77	23.55	20.46	20.59	20.35
GPRS (GMSK, 2-Slot)	25.95	26.11	25.91	22.56	22.64	22.37
GPRS (GMSK, 3-Slot)	25.94	26.19	25.98	22.37	22.42	22.10
GPRS (GMSK, 4-Slot)	26.16	26.44	26.20	22.55	22.59	22.23
Remark: 1. SAR testing was performed on the maximum frame-averaged power mode. 2. The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum Burst - averaged power based on time slots. The calculated method is shown as below: Frame-averaged power = Burst averaged power (1 TX Slot) – 9.03 dB Frame-averaged power = Burst averaged power (2 TX Slots) – 6.02 dB Frame-averaged power = Burst averaged power (3 TX Slots) - 4.26 dB Frame-averaged power = Burst averaged power (4 TX Slots) – 3.01 dB						



WCDMA

Band	WCDMA Band 2			WCDMA Band 4			WCDMA Band 5		
Channel	9262	9400	9538	1312	1450	1513	4132	4182	4233
Frequency (MHz)	1852.4	1880	1907.6	1712.6	1740	1752.4	826.4	836.4	846.6
RMC 12.2Kbps	23.01	23.11	23.11	23.09	23.15	23.01	22.87	22.92	23.22
HSDPA Subtest-1	22.2	22.28	22.28	22.1	22.18	22.05	21.88	21.96	22.28
HSDPA Subtest-2	21.64	21.66	21.82	21.54	21.74	21.58	21.62	21.46	21.75
HSDPA Subtest-3	20.55	20.53	20.84	20.71	20.87	20.66	20.29	20.45	20.43
HSDPA Subtest-4	20.91	20.97	20.79	20.7	20.63	20.53	20.56	20.48	20.76
HSUPA Subtest-1	20.51	21.94	22.02	20.48	21.97	21.81	20.43	21.78	22.11
HSUPA Subtest-2	22.05	22.03	21.99	21.94	22.07	21.92	21.87	21.88	22.15
HSUPA Subtest-3	20.37	20.89	20.88	20.19	21	20.79	20.05	20.71	20.87
HSUPA Subtest-4	22.07	22.15	22.17	22.12	22.18	22.02	21.92	21.95	22.27
HSUPA Subtest-5	20.65	21.43	21.27	20.72	21.36	21.3	20.56	21.26	21.51

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

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

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

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

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

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

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



CDMA

CDMA BC0		
Mode	Frequency (MHz)	Power
CDMA BC0	824.7	22.73
	836.52	22.13
	848.31	22.18
EVDO BC0	824.7	22.07
	836.52	21.89
	848.31	21.17

CDMA BC1		
Mode	Frequency (MHz)	Power
CDMA BC1	1851.25	21.46
	1880	21.52
	1908.75	21.48
EVDO BC1	1851.25	21.05
	1880	21.19
	1908.75	21.07

2.4G WLAN

2.4GWIFI				
Mode	Channel Number	Frequency (MHz)	Output Power (dBm)	Output Power (mW)
802.11b	1	2412	16.09	40.64
	6	2437	17.06	50.82
	11	2462	17.87	61.24
802.11g	1	2412	15.37	34.43
	6	2437	16.05	40.27
	11	2462	15.52	35.65
802.11 n-HT20	1	2412	13.29	21.33
	6	2437	13.95	24.83
	11	2462	13.57	22.75
802.11 n-HT40	3	2422	14.10	25.70
	6	2437	14.11	25.76
	9	2452	14.01	25.18



Bluetooth

BT				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	0.79	1.20
	39	2441	3.16	2.07
	78	2480	2.49	1.77
$\pi/4$ -QPSK(2Mbps)	0	2402	-0.17	0.96
	39	2441	2.04	1.60
	78	2480	1.34	1.36
8DPSK(3Mbps)	0	2402	-0.14	0.97
	39	2441	2.21	1.66
	78	2480	1.50	1.41

BLE

BLE				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	2.11	1.63
	19	2440	4.43	2.77
	39	2480	3.65	2.32
GFSK(2Mbps)	0	2402	2.29	1.69
	19	2440	4.42	2.77
	39	2480	3.73	2.36

WLAN (5.2Gband)

5.2G WLAN				
Mode	Channel Number	Frequency (MHz)	Output Power (dBm)	Output Power (mW)
802.11a20	36	5180	16.43	43.95
	40	5200	16.88	48.75
	48	5240	16.83	48.19
802.11 n-HT20	36	5180	14.58	28.71
	40	5200	14.80	30.20
	48	5240	14.83	30.41
802.11 n-HT40	38	5190	14.70	29.51
	46	5230	14.79	30.13
802.11ac-VHT20	36	5180	12.55	17.99
	40	5200	12.61	18.24
	48	5240	12.71	18.66
802.11ac-VHT40	38	5190	12.46	17.62
	46	5230	12.64	18.37
802.11ac-VHT80	42	5210	11.80	15.14



WLAN (5.3G band)

5.3G WLAN				
Mode	Channel Number	Frequency (MHz)	Output Power (dBm)	Output Power (mW)
802.11a20	52	5260	16.91	49.09
	60	5300	16.86	48.53
	64	5320	16.78	47.64
802.11 n-HT20	52	5260	14.80	30.20
	60	5300	14.69	29.44
	64	5320	14.61	28.91
802.11 n-HT40	54	5270	14.64	29.11
	62	5310	14.63	29.04
802.11ac-VHT20	52	5260	12.67	18.49
	60	5300	12.76	18.88
	64	5320	12.43	17.50
802.11ac-VHT40	54	5270	11.88	15.42
	62	5310	11.96	15.70
802.11ac-VHT80	58	5290	12.03	15.96

WLAN (5.6G band)

5.6G WLAN				
Mode	Channel Number	Frequency (MHz)	Output Power (dBm)	Output Power (mW)
802.11a20	100	5500	17.34	54.20
	116	5580	17.46	55.72
	140	5700	17.31	53.83
802.11 n-HT20	100	5500	15.23	33.34
	116	5580	15.27	33.65
	140	5700	15.30	33.88
802.11 n-HT40	102	5510	15.26	33.57
	110	5550	15.33	34.12
	134	5670	15.15	32.73
802.11ac-VHT20	100	5500	13.13	20.56
	116	5580	13.24	21.09
	140	5700	13.14	20.61
802.11ac-VHT40	102	5510	13.17	20.75
	110	5550	12.83	19.19
	134	5670	12.94	19.68
802.11ac-VHT80	106	5530	12.79	19.01
	122	5610	12.85	19.28
	138	5690	17.34	54.20



WLAN (5.8G band)

5.8G WLAN				
Mode	Channel Number	Frequency (MHz)	Output Power (dBm)	Output Power (mW)
802.11a20	149	5745	17.27	53.33
	157	5785	17.19	52.36
	165	5825	17.36	54.45
802.11 n-HT20	149	5745	15.18	32.96
	157	5785	15.22	33.27
	165	5825	15.29	33.81
802.11 n-HT40	151	5755	15.09	32.28
	159	5795	15.29	33.81
802.11ac-VHT20	149	5745	13.07	20.28
	157	5785	12.99	19.91
	165	5825	13.20	20.89
802.11ac-VHT40	151	5755	12.58	18.11
	159	5795	13.18	20.80
802.11ac-VHT80	155	5775	12.89	19.45

NFC

Field strength(dBuV/m)	ERP(dBm)
65.18	-30.02

Note: The power of this EUT NFC is -30.02dBm (0.00095mW), this power is less than the defined low power exclusion level (Pmax: 39 mW), so NFC is exemption.



LTE Conducted Power

General Note:

1. Anritsu CMW500 base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. Per KDB 941225 D05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
4. Per KDB 941225 D05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5. Per KDB 941225 D05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
6. Per KDB 941225 D05, 16QAM output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05, 16QAM SAR testing is not required.
7. Per KDB 941225 D05, Smaller bandwidth output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05, smaller bandwidth SAR testing is not required.



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	22.98	23.14	23.17
1.4	1	2		23.11	23.25	23.27
1.4	1	5		23.01	23.13	23.17
1.4	3	0		23.03	23.07	23.24
1.4	3	1		23.07	23.13	23.26
1.4	3	2		23.05	23.13	23.23
1.4	6	0		22.2	22.24	22.37
1.4	1	0	16-QAM	21.87	22.25	22.37
1.4	1	2		21.97	22.32	22.4
1.4	1	5		21.9	22.23	22.36
1.4	3	0		22.21	22.34	22.48
1.4	3	1		22.24	22.36	22.54
1.4	3	2		22.24	22.29	22.49
1.4	6	0		21.37	21.44	21.5
3	1	0	QPSK	22.83	22.93	23.03
3	1	7		23.03	23	23.14
3	1	14		22.96	22.92	23.05
3	8	0		22.06	22.1	22.23
3	8	4		22.15	22.26	22.34
3	8	7		22.1	22.22	22.3
3	15	0		22.09	22.19	22.27
3	1	0	16-QAM	21.76	22.38	22.21
3	1	7		21.9	22.43	22.32
3	1	14		21.76	22.34	22.25
3	8	0		21.04	21.14	21.26
3	8	4		21.1	21.23	21.35
3	8	7		21.09	21.21	21.24
3	15	0		21.13	21.18	21.23



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.03	23.15	23.2
5	1	12		23.21	23.25	23.35
5	1	24		23.18	23.16	23.25
5	12	0		22.12	22.16	22.26
5	12	6		22.22	22.26	22.38
5	12	11		22.21	22.22	22.33
5	25	0		22.18	22.23	22.3
5	1	0	16-QAM	22.6	22.49	22.59
5	1	12		22.76	22.59	22.75
5	1	24		22.73	22.5	22.62
5	12	0		21.1	21.13	21.27
5	12	6		21.2	21.2	21.4
5	12	11		21.21	21.18	21.34
5	25	0		21.16	21.23	21.29
10	1	0	QPSK	23.12	23.28	23.36
10	1	24		23.27	23.3	23.43
10	1	49		23.32	23.28	23.47
10	25	0		22.13	22.12	22.24
10	25	12		22.26	22.27	22.4
10	25	24		22.24	22.29	22.4
10	50	0		22.23	22.24	22.34
10	1	0	16-QAM	22.56	22.42	22.21
10	1	24		22.7	22.47	22.29
10	1	49		22.77	22.42	22.33
10	25	0		21.14	21.13	21.22
10	25	12		21.32	21.3	21.37
10	25	24		21.27	21.3	21.4
10	50	0		21.2	21.24	21.28



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.09	23.25	23.2
15	1	37		23.34	23.33	23.36
15	1	74		23.33	23.24	23.35
15	36	0		22.2	22.21	22.32
15	36	18		22.31	22.31	22.39
15	36	39		22.31	22.29	22.49
15	75	0		22.25	22.28	22.41
15	1	0	16-QAM	22.27	22.35	22.65
15	1	38		22.51	22.42	22.82
15	1	75		22.5	22.33	22.74
15	36	0		21.26	21.15	21.34
15	36	18		21.38	21.25	21.41
15	36	39		21.37	21.25	21.48
15	75	0		21.21	21.25	21.39
20	1	0	QPSK	23.49	23.71	23.6
20	1	49		23.88	23.88	23.9
20	1	99		23.74	23.72	23.82
20	50	0		22.73	22.59	22.93
20	50	24		22.88	22.8	22.88
20	50	49		22.77	22.84	23.03
20	100	0		22.71	22.74	22.97
20	1	0	16-QAM	22.8	22.96	22.82
20	1	49		23.21	23.08	23.13
20	1	99		23.08	22.94	23
20	50	0		21.74	21.55	21.98
20	50	24		21.87	21.76	21.9
20	50	49		21.78	21.81	22.05
20	100	0		21.7	21.73	21.94



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.27	23.21	23.19
1.4	1	2		23.3	23.28	23.31
1.4	1	5		23.19	23.23	23.23
1.4	3	0		23.29	23.22	23.11
1.4	3	1		23.3	23.25	23.17
1.4	3	2		23.25	23.23	23.14
1.4	6	0		22.39	22.39	22.26
1.4	1	0	16-QAM	22.36	22.05	22.28
1.4	1	2		22.44	22.17	22.36
1.4	1	5		22.4	22.09	22.27
1.4	3	0		22.5	22.37	22.36
1.4	3	1		22.56	22.42	22.4
1.4	3	2		22.49	22.4	22.3
1.4	6	0		21.55	21.51	21.43
3	1	0	QPSK	23.1	22.98	23.07
3	1	7		23.19	23.1	23.06
3	1	14		23.14	23.07	22.98
3	8	0		22.29	22.23	22.24
3	8	4		22.34	22.3	22.25
3	8	7		22.26	22.3	22.21
3	15	0		22.3	22.24	22.21
3	1	0	16-QAM	21.96	22.45	22.2
3	1	7		22.03	22.53	22.27
3	1	14		21.95	22.5	22.17
3	8	0		21.24	21.24	21.2
3	8	4		21.27	21.3	21.25
3	8	7		21.25	21.29	21.2
3	15	0		21.32	21.25	21.16



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.3	23.25	23.24
5	1	12		23.36	23.35	23.27
5	1	24		23.28	23.34	23.16
5	12	0		22.27	22.29	22.3
5	12	6		22.31	22.37	22.32
5	12	11		22.38	22.38	22.26
5	25	0		22.34	22.33	22.26
5	1	0	16-QAM	22.82	22.55	22.61
5	1	12		22.92	22.67	22.66
5	1	24		22.81	22.64	22.53
5	12	0		21.25	21.22	21.25
5	12	6		21.34	21.32	21.34
5	12	11		21.34	21.25	21.28
5	25	0		21.28	21.34	21.25
10	1	0	QPSK	23.38	23.24	23.44
10	1	24		23.47	23.37	23.42
10	1	49		23.33	23.4	23.34
10	25	0		22.21	22.28	22.29
10	25	12		22.34	22.37	22.39
10	25	24		22.29	22.36	22.32
10	50	0		22.28	22.33	22.35
10	1	0	16-QAM	22.25	22.66	22.58
10	1	24		22.34	22.8	22.58
10	1	49		22.21	22.84	22.43
10	25	0		21.23	21.28	21.29
10	25	12		21.36	21.42	21.41
10	25	24		21.32	21.38	21.33
10	50	0		21.23	21.32	21.34



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.3	23.18	23.44
15	1	37		23.35	23.39	23.51
15	1	74		23.27	23.45	23.25
15	36	0		22.32	22.25	22.39
15	36	18		22.3	22.41	22.45
15	36	39		22.25	22.44	22.4
15	75	0		22.29	22.36	22.45
15	1	0	16-QAM	22.72	22.37	22.51
15	1	38		22.78	22.56	22.57
15	1	75		22.67	22.57	22.39
15	36	0		21.29	21.3	21.35
15	36	18		21.37	21.45	21.4
15	36	39		21.28	21.46	21.36
15	75	0		21.26	21.35	21.41
20	1	0	QPSK	23.21	23.09	23.35
20	1	49		23.37	23.43	23.61
20	1	99		23.22	23.35	23.29
20	50	0		22.2	22.17	22.38
20	50	24		22.27	22.41	22.52
20	50	49		22.32	22.48	22.49
20	100	0		22.24	22.3	22.44
20	1	0	16-QAM	22.45	22.41	22.54
20	1	49		22.57	22.75	22.83
20	1	99		22.45	22.72	22.52
20	50	0		21.18	21.19	21.36
20	50	24		21.33	21.43	21.47
20	50	49		21.33	21.49	21.45
20	100	0		21.22	21.3	21.41



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.54	23.61	23.76
1.4	1	2		23.63	23.7	23.86
1.4	1	5		23.49	23.66	23.79
1.4	3	0		23.63	23.57	23.86
1.4	3	1		23.64	23.58	23.9
1.4	3	2		23.58	23.61	23.87
1.4	6	0		22.67	22.66	22.9
1.4	1	0	16-QAM	22.45	22.68	22.97
1.4	1	2		22.49	22.79	23.03
1.4	1	5		22.4	22.71	23.03
1.4	3	0		22.76	22.78	23.09
1.4	3	1		22.82	22.84	23.19
1.4	3	2		22.73	22.77	23.1
1.4	6	0		21.9	21.87	22.16
3	1	0	QPSK	23.36	23.34	23.66
3	1	7		23.42	23.45	23.83
3	1	14		23.3	23.39	23.78
3	8	0		22.52	22.46	22.85
3	8	4		22.59	22.62	22.9
3	8	7		22.59	22.59	22.9
3	15	0		22.54	22.55	22.87
3	1	0	16-QAM	22.81	22.52	22.54
3	1	7		22.88	22.65	22.65
3	1	14		22.76	22.58	22.58
3	8	0		21.59	21.54	21.87
3	8	4		21.67	21.65	21.95
3	8	7		21.61	21.63	21.93
3	15	0		21.68	21.57	21.98



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.64	23.54	23.81
5	1	12		23.66	23.67	23.99
5	1	24		23.59	23.63	23.94
5	12	0		22.5	22.6	22.85
5	12	6		22.66	22.64	22.97
5	12	11		22.63	22.71	22.9
5	25	0		22.57	22.68	22.93
5	1	0	16-QAM	23.02	22.9	23.34
5	1	12		22.99	23.05	23.56
5	1	24		22.91	22.99	23.51
5	12	0		21.54	21.61	21.96
5	12	6		21.63	21.72	22.06
5	12	11		21.68	21.78	21.96
5	25	0		21.67	21.71	21.96
10	1	0	QPSK	23.7	23.67	23.73
10	1	24		23.64	23.8	23.9
10	1	49		23.66	23.92	24.02
10	25	0		22.47	22.66	22.55
10	25	12		22.59	22.65	22.89
10	25	24		22.35	22.9	22.84
10	50	0		22.43	22.79	22.76
10	1	0	16-QAM	22.85	22.49	23.21
10	1	24		22.81	22.63	23.3
10	1	49		22.85	22.76	23.48
10	25	0		21.46	21.73	21.74
10	25	12		21.64	21.77	21.94
10	25	24		21.45	21.93	21.9
10	50	0		21.51	21.85	21.75



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.91	23.86	23.68
5	1	12		23.96	23.95	23.72
5	1	24		23.89	23.93	23.68
5	12	0		22.87	22.83	22.78
5	12	6		22.94	22.92	22.79
5	12	11		22.94	22.86	22.69
5	25	0		22.89	22.9	22.71
5	1	0	16-QAM	23.32	23.08	22.95
5	1	12		23.4	23.15	23.02
5	1	24		23.31	23.11	22.97
5	12	0		21.8	21.77	21.76
5	12	6		21.88	21.82	21.78
5	12	11		21.87	21.78	21.69
5	25	0		21.86	21.9	21.7
10	1	0	QPSK	23.99	23.96	23.77
10	1	24		24	24.07	23.81
10	1	49		23.98	24.09	23.79
10	25	0		22.86	22.85	22.8
10	25	12		22.94	22.89	22.8
10	25	24		22.92	22.89	22.75
10	50	0		22.95	22.92	22.76
10	1	0	16-QAM	23.09	22.71	23.11
10	1	24		23.11	22.78	23.15
10	1	49		23.09	22.79	23.16
10	25	0		21.86	21.83	21.76
10	25	12		21.95	21.86	21.8
10	25	24		21.95	21.87	21.76
10	50	0		21.91	21.84	21.75



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.9	23.8	23.82
15	1	37		23.96	23.95	23.91
15	1	74		23.83	23.91	23.83
15	36	0		22.9	22.94	22.81
15	36	18		23	23.03	22.88
15	36	39		22.96	22.98	22.81
15	75	0		22.98	22.99	22.89
15	1	0	16-QAM	23.22	22.93	22.81
15	1	38		23.32	23.02	22.9
15	1	75		23.21	23.01	22.82
15	36	0		21.87	21.94	21.76
15	36	18		21.97	22.05	21.79
15	36	39		21.96	22	21.72
15	75	0		21.9	21.93	21.81
20	1	0	QPSK	23.84	23.76	23.7
20	1	49		24.03	24.11	23.89
20	1	99		23.81	23.93	23.74
20	50	0		22.82	22.83	22.77
20	50	24		22.94	23	22.9
20	50	49		22.91	22.89	22.72
20	100	0		22.85	22.86	22.78
20	1	0	16-QAM	23.06	22.86	22.87
20	1	49		23.28	23.14	23.06
20	1	99		23.04	23.02	22.9
20	50	0		21.85	21.77	21.77
20	50	24		21.98	21.89	21.85
20	50	49		21.89	21.82	21.73
20	100	0		21.83	21.82	21.77



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.48	23.49	23.31
1.4	1	2		23.61	23.59	23.45
1.4	1	5		23.56	23.5	23.37
1.4	3	0		23.59	23.49	23.49
1.4	3	1		23.58	23.51	23.53
1.4	3	2		23.57	23.53	23.49
1.4	6	0		22.63	22.57	22.54
1.4	1	0	16-QAM	22.33	22.55	22.47
1.4	1	2		22.47	22.59	22.58
1.4	1	5		22.43	22.57	22.58
1.4	3	0		22.69	22.65	22.65
1.4	3	1		22.76	22.68	22.73
1.4	3	2		22.76	22.63	22.72
1.4	6	0		21.84	21.74	21.67
3	1	0	QPSK	23.34	23.17	23.22
3	1	7		23.52	23.3	23.27
3	1	14		23.47	23.21	23.24
3	8	0		22.56	22.4	22.37
3	8	4		22.66	22.5	22.45
3	8	7		22.61	22.47	22.44
3	15	0		22.61	22.5	22.39
3	1	0	16-QAM	22.24	22.62	22.4
3	1	7		22.35	22.71	22.45
3	1	14		22.21	22.68	22.41
3	8	0		21.48	21.44	21.38
3	8	4		21.6	21.48	21.44
3	8	7		21.59	21.45	21.39
3	15	0		21.66	21.47	21.33



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.61	23.49	23.43
5	1	12		23.69	23.55	23.54
5	1	24		23.63	23.5	23.53
5	12	0		22.57	22.53	22.48
5	12	6		22.65	22.58	22.53
5	12	11		22.63	22.55	22.38
5	25	0		22.6	22.55	22.42
5	1	0	16-QAM	22.91	22.74	23.02
5	1	12		22.99	22.88	23.07
5	1	24		22.84	22.82	23.05
5	12	0		21.51	21.51	21.5
5	12	6		21.61	21.56	21.55
5	12	11		21.56	21.56	21.42
5	25	0		21.62	21.53	21.41
10	1	0	QPSK	23.68	23.68	23.51
10	1	24		23.68	23.73	23.59
10	1	49		23.6	23.66	23.59
10	25	0		22.55	22.53	22.57
10	25	12		22.64	22.57	22.6
10	25	24		22.47	22.61	22.57
10	50	0		22.54	22.61	22.54
10	1	0	16-QAM	22.84	22.41	22.9
10	1	24		22.77	22.49	23.02
10	1	49		22.74	22.49	22.96
10	25	0		21.54	21.53	21.55
10	25	12		21.67	21.55	21.65
10	25	24		21.52	21.61	21.55
10	50	0		21.53	21.55	21.53



LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.51	23.37	23.41
5	1	12		23.54	23.44	23.49
5	1	24		23.43	23.36	23.39
5	12	0		22.4	22.53	22.5
5	12	6		22.59	22.58	22.54
5	12	11		22.43	22.43	22.5
5	25	0		22.42	22.49	22.51
5	1	0	16-QAM	22.89	22.79	23
5	1	12		22.9	22.88	23.15
5	1	24		22.87	22.81	23.02
5	12	0		21.38	21.56	21.56
5	12	6		21.52	21.6	21.58
5	12	11		21.4	21.43	21.46
5	25	0		21.45	21.55	21.48
10	1	0	QPSK	/	23.62	/
10	1	24		/	23.53	/
10	1	49		/	23.53	/
10	25	0		/	22.47	/
10	25	12		/	22.53	/
10	25	24		/	22.43	/
10	50	0		/	22.46	/
10	1	0	16-QAM	/	23.08	/
10	1	24		/	22.99	/
10	1	49		/	22.99	/
10	25	0		/	21.55	/
10	25	12		/	21.64	/
10	25	24		/	21.43	/
10	50	0		/	21.55	/



LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.5	23.48	23.37
5	1	12		23.53	23.51	23.43
5	1	24		23.53	23.47	23.43
5	12	0		22.46	22.46	22.41
5	12	6		22.53	22.57	22.51
5	12	11		22.44	22.52	22.39
5	25	0		22.49	22.49	22.41
5	1	0	16-QAM	22.92	22.73	22.73
5	1	12		23.04	22.85	22.76
5	1	24		23.04	22.78	22.74
5	12	0		21.41	21.39	21.38
5	12	6		21.51	21.47	21.53
5	12	11		21.48	21.52	21.43
5	25	0		21.45	21.52	21.38
10	1	0	QPSK	23.58	23.51	23.52
10	1	24		23.65	23.57	23.6
10	1	49		23.62	23.5	23.56
10	25	0		22.47	22.51	22.48
10	25	12		22.56	22.56	22.52
10	25	24		22.57	22.58	22.49
10	50	0		22.55	22.55	22.47
10	1	0	16-QAM	22.34	22.85	22.66
10	1	24		22.39	22.98	22.74
10	1	49		22.35	22.89	22.75
10	25	0		21.48	21.59	21.48
10	25	12		21.54	21.6	21.54
10	25	24		21.59	21.55	21.45
10	50	0		21.57	21.53	21.53



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.15	23.27	23.3
1.4	1	2		23.3	23.38	23.41
1.4	1	5		23.16	23.27	23.3
1.4	3	0		23.22	23.26	23.38
1.4	3	1		23.25	23.25	23.41
1.4	3	2		23.2	23.27	23.35
1.4	6	0		22.33	22.4	22.47
1.4	1	0	16-QAM	22.03	22.39	22.46
1.4	1	2		22.13	22.45	22.55
1.4	1	5		22.1	22.43	22.49
1.4	3	0		22.38	22.46	22.6
1.4	3	1		22.44	22.52	22.65
1.4	3	2		22.42	22.46	22.6
1.4	6	0		21.49	21.57	21.67
3	1	0	QPSK	22.9	23.06	23.12
3	1	7		23.04	23.11	23.29
3	1	14		22.98	23.02	23.2
3	8	0		22.16	22.2	22.35
3	8	4		22.22	22.27	22.43
3	8	7		22.22	22.26	22.36
3	15	0		22.18	22.23	22.36
3	1	0	16-QAM	22.36	22.23	22.06
3	1	7		22.5	22.31	22.15
3	1	14		22.42	22.22	22.03
3	8	0		21.18	21.21	21.32
3	8	4		21.29	21.31	21.41
3	8	7		21.21	21.25	21.35
3	15	0		21.21	21.21	21.41



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.19	23.24	23.35
5	1	12		23.32	23.32	23.44
5	1	24		23.27	23.25	23.35
5	12	0		22.27	22.24	22.49
5	12	6		22.29	22.34	22.48
5	12	11		22.33	22.33	22.35
5	25	0		22.28	22.32	22.49
5	1	0	16-QAM	22.56	22.61	22.91
5	1	12		22.64	22.68	23
5	1	24		22.59	22.6	22.93
5	12	0		21.14	21.27	21.49
5	12	6		21.26	21.39	21.5
5	12	11		21.29	21.34	21.37
5	25	0		21.29	21.29	21.46
10	1	0	QPSK	23.23	23.38	23.45
10	1	24		23.38	23.42	23.57
10	1	49		23.41	23.38	23.49
10	25	0		22.21	22.24	22.36
10	25	12		22.36	22.39	22.51
10	25	24		22.31	22.41	22.23
10	50	0		22.32	22.33	22.35
10	1	0	16-QAM	22.65	22.53	22.29
10	1	24		22.78	22.56	22.43
10	1	49		22.82	22.54	22.35
10	25	0		21.27	21.24	21.35
10	25	12		21.42	21.38	21.52
10	25	24		21.33	21.36	21.27
10	50	0		21.28	21.33	21.29



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.21	23.35	23.32
15	1	37		23.43	23.41	23.48
15	1	74		23.44	23.35	23.4
15	36	0		22.25	22.24	22.3
15	36	18		22.39	22.33	22.46
15	36	39		22.4	22.36	22.37
15	75	0		22.34	22.37	22.36
15	1	0	16-QAM	22.41	22.39	22.78
15	1	38		22.61	22.48	22.88
15	1	75		22.61	22.44	22.84
15	36	0		21.34	21.22	21.36
15	36	18		21.43	21.33	21.49
15	36	39		21.4	21.35	21.36
15	75	0		21.34	21.33	21.3
20	1	0	QPSK	23.58	23.8	23.73
20	1	49		23.94	23.97	24.02
20	1	99		23.83	23.83	23.87
20	50	0		22.78	22.64	22.88
20	50	24		22.92	22.88	22.95
20	50	49		22.86	22.84	22.79
20	100	0		22.82	22.74	22.83
20	1	0	16-QAM	22.93	23.03	22.96
20	1	49		23.25	23.18	23.22
20	1	99		23.17	23.05	23.08
20	50	0		21.81	21.62	21.94
20	50	24		21.96	21.85	21.99
20	50	49		21.9	21.87	21.83
20	100	0		21.79	21.75	21.82



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.75	23.54	23.86
1.4	1	2		23.86	23.67	23.96
1.4	1	5		23.74	23.59	23.9
1.4	3	0		23.71	23.66	23.92
1.4	3	1		23.76	23.7	23.98
1.4	3	2		23.73	23.64	23.95
1.4	6	0		22.81	22.68	23.01
1.4	1	0	16-QAM	22.9	22.73	22.79
1.4	1	2		22.93	22.82	22.8
1.4	1	5		22.81	22.8	22.73
1.4	3	0		22.93	22.84	23.11
1.4	3	1		22.95	22.94	23.16
1.4	3	2		22.89	22.84	23.13
1.4	6	0		22.06	21.95	22.24
3	1	0	QPSK	23.49	23.34	23.67
3	1	7		23.53	23.51	23.88
3	1	14		23.41	23.45	23.91
3	8	0		22.66	22.58	22.88
3	8	4		22.7	22.63	22.97
3	8	7		22.62	22.68	22.93
3	15	0		22.63	22.61	22.9
3	1	0	16-QAM	22.91	22.55	22.56
3	1	7		22.98	22.7	22.72
3	1	14		22.8	22.69	22.66
3	8	0		21.74	21.62	21.92
3	8	4		21.77	21.72	22
3	8	7		21.69	21.74	22.01
3	15	0		21.69	21.67	22.04



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.78	23.6	23.83
5	1	12		23.76	23.73	24.01
5	1	24		23.68	23.73	23.97
5	12	0		22.67	22.65	22.96
5	12	6		22.72	22.79	23.02
5	12	11		22.7	22.81	22.97
5	25	0		22.63	22.79	22.99
5	1	0	16-QAM	23.28	23.02	23.14
5	1	12		23.3	23.12	23.34
5	1	24		23.24	23.08	23.37
5	12	0		21.66	21.66	21.98
5	12	6		21.75	21.81	22.06
5	12	11		21.71	21.83	22.07
5	25	0		21.67	21.86	22.01
10	1	0	QPSK	23.77	23.71	23.85
10	1	24		23.75	23.8	24.06
10	1	49		23.78	23.96	24.21
10	25	0		22.57	22.77	22.63
10	25	12		22.67	22.8	22.92
10	25	24		22.49	22.92	22.86
10	50	0		22.52	22.85	22.78
10	1	0	16-QAM	23.17	22.87	22.69
10	1	24		23.19	22.96	22.84
10	1	49		23.21	23.06	23.03
10	25	0		21.66	21.79	21.67
10	25	12		21.76	21.86	21.96
10	25	24		21.53	22.01	21.98
10	50	0		21.55	21.96	21.81



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.74	23.57	23.66
15	1	37		23.78	23.78	23.93
15	1	74		23.86	23.89	24.09
15	36	0		22.66	22.72	22.66
15	36	18		22.73	22.74	22.92
15	36	39		22.68	23	22.95
15	75	0		22.65	22.86	22.81
15	1	0	16-QAM	22.79	23.01	22.8
15	1	38		22.87	23.25	23.09
15	1	75		22.96	23.3	23.22
15	36	0		21.68	21.88	21.73
15	36	18		21.78	21.85	22
15	36	39		21.68	22.01	22.09
15	75	0		21.74	21.87	21.86



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.74	23.51	23.57
5	1	12		23.86	23.58	23.68
5	1	24		23.72	23.5	23.6
5	12	0		22.75	22.48	22.66
5	12	6		22.83	22.52	22.66
5	12	11		22.74	22.47	22.64
5	25	0		22.77	22.5	22.66
5	1	0	16-QAM	23.3	22.76	22.89
5	1	12		23.41	22.86	23.01
5	1	24		23.31	22.74	22.89
5	12	0		21.74	21.4	21.61
5	12	6		21.79	21.46	21.7
5	12	11		21.75	21.42	21.64
5	25	0		21.77	21.53	21.61
10	1	0	QPSK	23.8	23.6	23.69
10	1	24		23.81	23.6	23.74
10	1	49		23.71	23.56	23.77
10	25	0		22.74	22.52	22.61
10	25	12		22.73	22.57	22.69
10	25	24		22.72	22.54	22.69
10	50	0		22.72	22.53	22.67
10	1	0	16-QAM	23.24	22.71	22.58
10	1	24		23.23	22.72	22.66
10	1	49		23.15	22.66	22.66
10	25	0		21.8	21.52	21.64
10	25	12		21.79	21.58	21.67
10	25	24		21.73	21.55	21.68
10	50	0		21.74	21.56	21.66



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.72	23.53	23.64
15	1	37		23.76	23.62	23.79
15	1	74		23.64	23.52	23.76
15	36	0		22.72	22.55	22.64
15	36	18		22.76	22.58	22.75
15	36	39		22.73	22.55	22.73
15	75	0		22.71	22.57	22.74
15	1	0	16-QAM	23.17	22.65	22.76
15	1	38		23.21	22.72	22.92
15	1	75		23.1	22.61	22.85
15	36	0		21.74	21.61	21.59
15	36	18		21.81	21.65	21.67
15	36	39		21.74	21.6	21.66
15	75	0		21.71	21.55	21.71
20	1	0	QPSK	24.18	23.98	23.91
20	1	49		24.35	24.14	24.28
20	1	99		24.05	23.99	24.16
20	50	0		23.2	23	23.02
20	50	24		23.27	23.11	23.21
20	50	49		23.21	23.01	23.17
20	100	0		23.2	23.03	23.11
20	1	0	16-QAM	23.32	23.25	23.05
20	1	49		23.51	23.37	23.43
20	1	99		23.17	23.24	23.3
20	50	0		22.21	22	22.01
20	50	24		22.29	22.15	22.17
20	50	49		22.27	22.09	22.14
20	100	0		22.19	22.01	22.08



LTE Band 40 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	11.13	11.10	11.12
5	1	12		11.16	11.18	11.13
5	1	24		11.19	11.15	11.07
5	12	0		10.16	10.12	10.09
5	12	6		10.15	10.10	10.13
5	12	11		10.09	10.11	10.13
5	25	0		10.15	10.13	10.16
5	1	0	16-QAM	10.80	10.43	10.46
5	1	12		10.82	10.48	10.51
5	1	24		10.80	10.49	10.50
5	12	0		9.15	9.00	9.07
5	12	6		9.13	9.06	9.09
5	12	11		9.08	9.07	9.12
5	25	0		9.10	9.14	9.05
10	1	0	QPSK	/	11.60	/
10	1	24		/	11.61	/
10	1	49		/	11.56	/
10	25	0		/	10.62	/
10	25	12		/	10.57	/
10	25	24		/	10.61	/
10	50	0		/	10.65	/
10	1	0	16-QAM	/	11.13	/
10	1	24		/	11.12	/
10	1	49		/	11.15	/
10	25	0		/	9.62	/
10	25	12		/	9.59	/
10	25	24		/	9.63	/
10	50	0		/	9.61	/



LTE Band 40 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	10.9	10.91	10.86
5	1	12		10.96	10.96	10.95
5	1	24		10.94	10.99	10.92
5	12	0		9.89	9.89	9.97
5	12	6		9.89	9.9	9.93
5	12	11		9.89	9.88	9.89
5	25	0		9.97	9.94	9.99
5	1	0	16-QAM	10.64	10.26	10.35
5	1	12		10.61	10.26	10.33
5	1	24		10.58	10.3	10.32
5	12	0		8.87	8.78	8.9
5	12	6		8.89	8.86	8.94
5	12	11		8.95	8.85	8.9
5	25	0		8.9	8.96	8.91
10	1	0	QPSK	/	11.36	/
10	1	24		/	11.44	/
10	1	49		/	11.45	/
10	25	0		/	10.43	/
10	25	12		/	10.47	/
10	25	24		/	10.48	/
10	50	0		/	10.43	/
10	1	0	16-QAM	/	10.89	/
10	1	24		/	10.97	/
10	1	49		/	10.94	/
10	25	0		/	9.4	/
10	25	12		/	9.45	/
10	25	24		/	9.46	/
10	50	0		/	9.39	/



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.58	23.35	23.7
5	1	12		23.75	23.47	23.84
5	1	24		23.63	23.41	23.72
5	12	0		22.61	22.39	22.81
5	12	6		22.63	22.43	22.81
5	12	11		22.61	22.41	22.72
5	25	0		22.63	22.45	22.74
5	1	0	16-QAM	23.16	22.61	22.95
5	1	12		23.31	22.75	23.06
5	1	24		23.2	22.68	22.94
5	12	0		21.61	21.31	21.77
5	12	6		21.67	21.39	21.77
5	12	11		21.62	21.37	21.72
5	25	0		21.61	21.46	21.71
10	1	0	QPSK	23.63	23.41	23.77
10	1	24		23.71	23.5	23.92
10	1	49		23.67	23.54	23.89
10	25	0		22.61	22.42	22.77
10	25	12		22.69	22.47	22.77
10	25	24		22.67	22.48	22.73
10	50	0		22.65	22.46	22.76
10	1	0	16-QAM	23.11	22.51	22.65
10	1	24		23.19	22.63	22.75
10	1	49		23.18	22.64	22.7
10	25	0		21.67	21.4	21.76
10	25	12		21.7	21.48	21.78
10	25	24		21.71	21.51	21.72
10	50	0		21.68	21.45	21.73



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.58	23.32	23.72
15	1	37		23.7	23.48	23.97
15	1	74		23.63	23.51	23.93
15	36	0		22.63	22.37	22.81
15	36	18		22.69	22.46	22.87
15	36	39		22.67	22.51	22.82
15	75	0		22.71	22.45	22.87
15	1	0	16-QAM	23.03	22.47	22.82
15	1	38		23.16	22.6	22.99
15	1	75		23.1	22.64	22.88
15	36	0		21.66	21.45	21.72
15	36	18		21.75	21.51	21.78
15	36	39		21.7	21.58	21.72
15	75	0		21.65	21.41	21.78
20	1	0	QPSK	24.07	23.8	24.03
20	1	49		24.3	24.03	24.36
20	1	99		24.13	24.01	24.3
20	50	0		23.11	22.82	23.23
20	50	24		23.23	22.97	23.29
20	50	49		23.15	22.99	23.2
20	100	0		23.14	22.91	23.18
20	1	0	16-QAM	23.2	22.94	23.23
20	1	49		23.44	23.17	23.52
20	1	99		23.3	23.14	23.39
20	50	0		22.11	21.84	22.25
20	50	24		22.18	22.02	22.33
20	50	49		22.16	22.01	22.21
20	100	0		22.11	21.87	22.19



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.17	23.11	23.02
1.4	1	2		23.23	23.22	23.12
1.4	1	5		23.13	23.09	23.04
1.4	3	0		23.11	23.16	23.04
1.4	3	1		23.14	23.2	23.08
1.4	3	2		23.11	23.14	23.05
1.4	6	0		22.26	22.3	22.2
1.4	1	0	16-QAM	22.24	22.28	21.88
1.4	1	2		22.29	22.36	22
1.4	1	5		22.23	22.3	21.93
1.4	3	0		22.27	22.38	22.15
1.4	3	1		22.31	22.43	22.23
1.4	3	2		22.26	22.38	22.2
1.4	6	0		21.41	21.43	21.35
3	1	0	QPSK	22.9	23	22.84
3	1	7		22.95	23.06	22.98
3	1	14		22.86	22.98	22.96
3	8	0		22.13	22.17	22.08
3	8	4		22.17	22.25	22.15
3	8	7		22.16	22.21	22.1
3	15	0		22.11	22.21	22.1
3	1	0	16-QAM	22.36	22.17	21.77
3	1	7		22.39	22.25	21.83
3	1	14		22.27	22.18	21.76
3	8	0		21.11	21.2	21.02
3	8	4		21.19	21.21	21.05
3	8	7		21.13	21.17	21.05
3	15	0		21.12	21.13	21.12



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.16	23.2	23.03
5	1	12		23.2	23.29	23.11
5	1	24		23.08	23.2	23.06
5	12	0		22.17	22.23	22.09
5	12	6		22.21	22.27	22.18
5	12	11		22.17	22.26	22.16
5	25	0		22.17	22.3	22.18
5	1	0	16-QAM	22.65	22.53	22.4
5	1	12		22.73	22.6	22.46
5	1	24		22.61	22.51	22.43
5	12	0		21.09	21.14	21.13
5	12	6		21.17	21.22	21.21
5	12	11		21.14	21.18	21.16
5	25	0		21.11	21.28	21.09
10	1	0	QPSK	23.21	23.31	23.05
10	1	24		23.2	23.34	23.26
10	1	49		23.14	23.25	23.27
10	25	0		22.1	22.23	22.11
10	25	12		22.19	22.33	22.17
10	25	24		22.13	22.32	22.16
10	50	0		22.12	22.3	22.18
10	1	0	16-QAM	22.61	22.47	21.93
10	1	24		22.6	22.51	22.11
10	1	49		22.57	22.42	22.16
10	25	0		21.1	21.22	21.08
10	25	12		21.15	21.32	21.16
10	25	24		21.14	21.29	21.21
10	50	0		21.08	21.3	21.11



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.2	23.17	22.88
15	1	37		23.2	23.31	23.13
15	1	74		23.13	23.1	23.15
15	36	0		22.11	22.25	22.05
15	36	18		22.14	22.33	22.17
15	36	39		22.1	22.26	22.19
15	75	0		22.11	22.3	22.18
15	1	0	16-QAM	22.26	22.63	22.06
15	1	38		22.27	22.71	22.29
15	1	75		22.19	22.54	22.33
15	36	0		21.05	21.27	21.1
15	36	18		21.11	21.33	21.19
15	36	39		21.06	21.28	21.26
15	75	0		21.11	21.26	21.1
20	1	0	QPSK	23.12	23.08	22.72
20	1	49		23.24	23.39	23.04
20	1	99		23.14	23.06	23.08
20	50	0		22.01	22.18	21.97
20	50	24		22.12	22.3	22.07
20	50	49		22.13	22.28	22.09
20	100	0		22.06	22.25	22.01
20	1	0	16-QAM	22.3	22.32	22.06
20	1	49		22.43	22.61	22.36
20	1	99		22.32	22.29	22.35
20	50	0		20.97	21.2	20.99
20	50	24		21.04	21.34	21.08
20	50	49		21.11	21.3	21.15
20	100	0		21.03	21.22	20.97

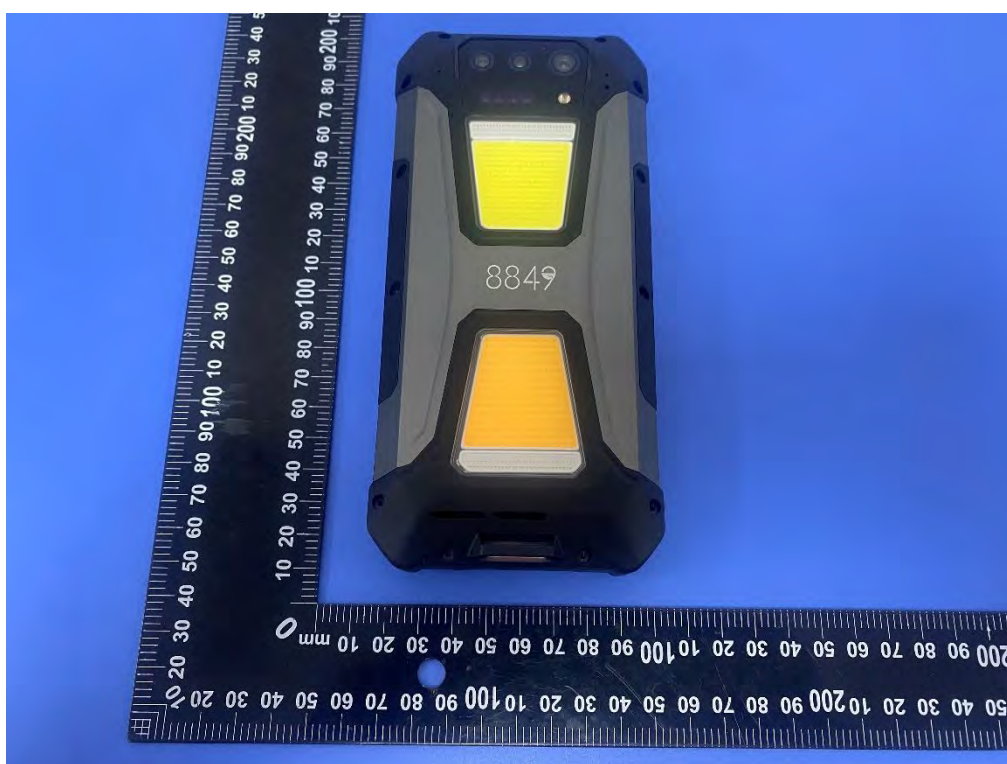
11. EUT and Test Setup Photo

11.1 EUT Photos

Front side

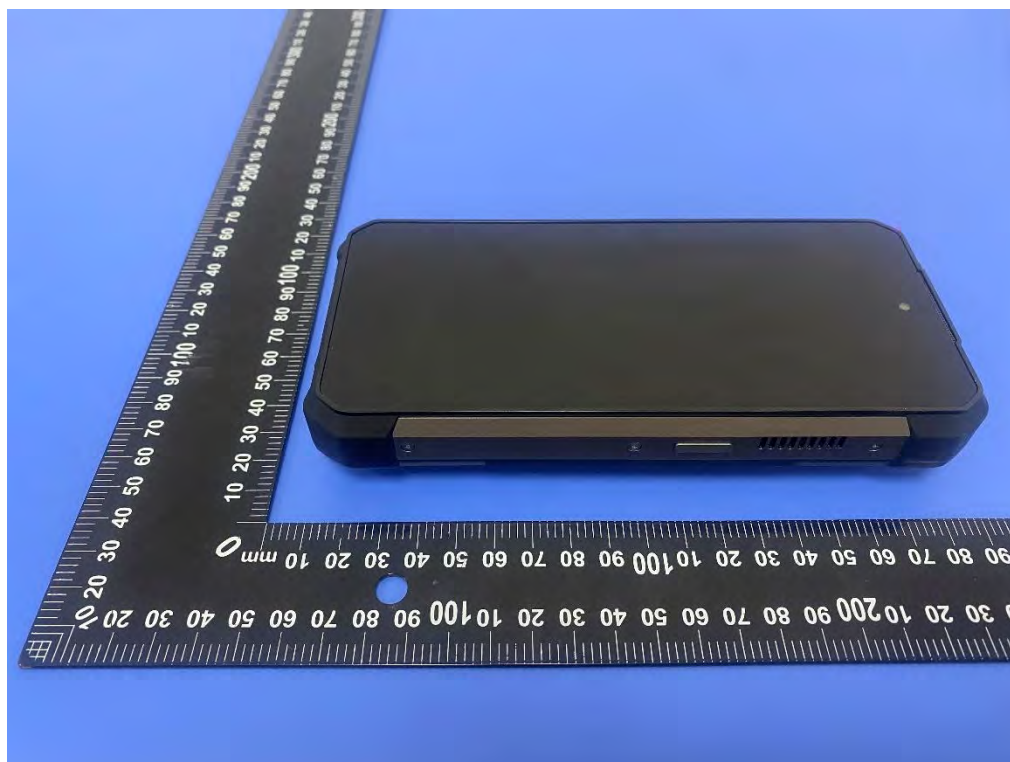


Back side





Right Edge



Left Edge

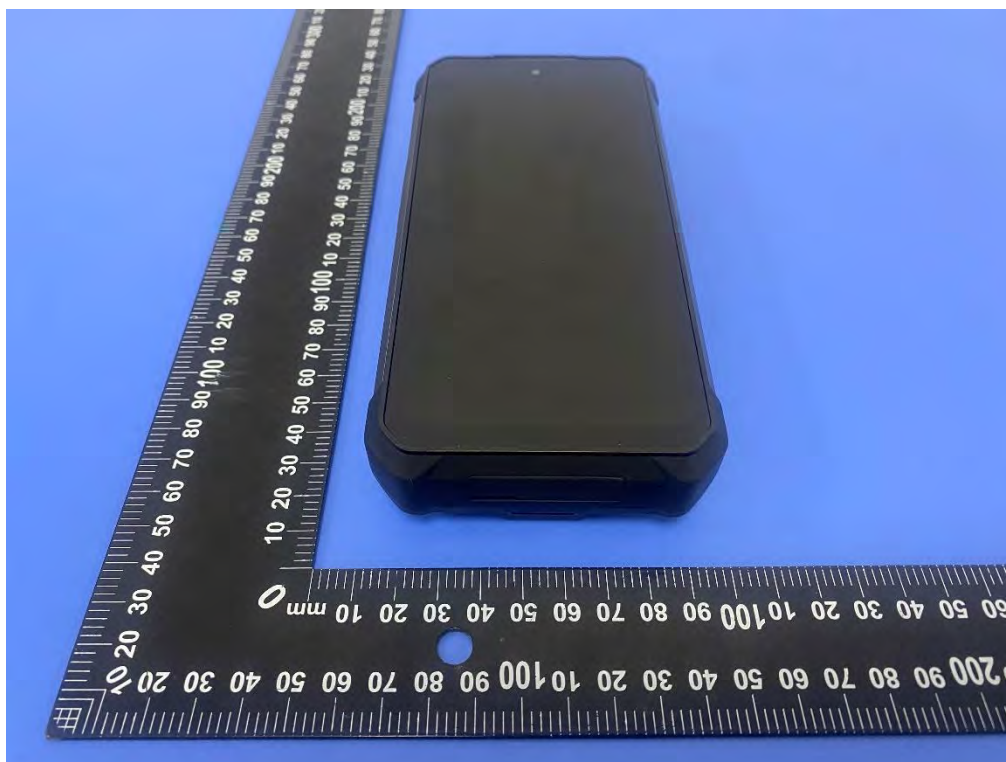




Top Edge



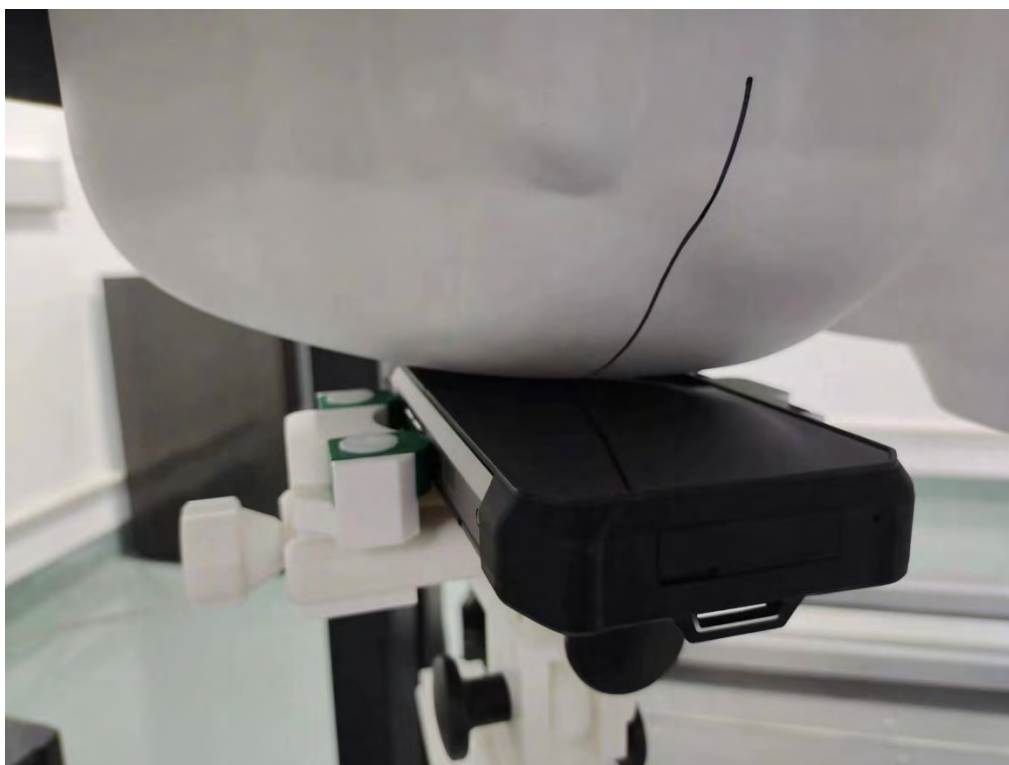
Bottom Edge



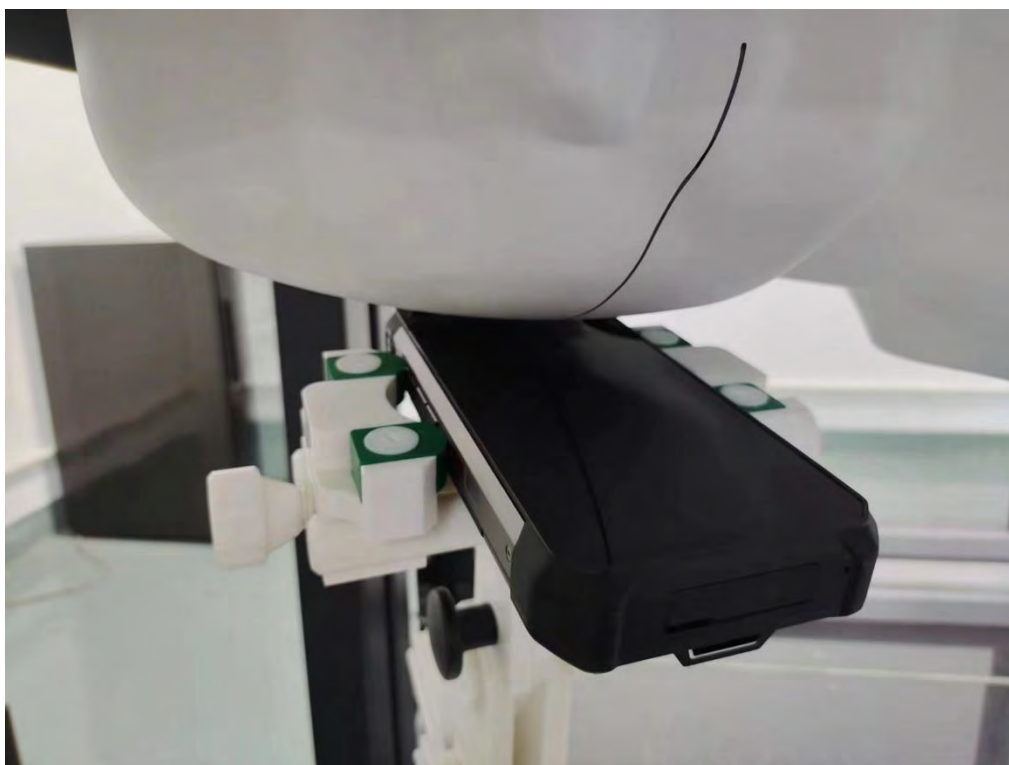


11.2 Setup Photos

Right Touch

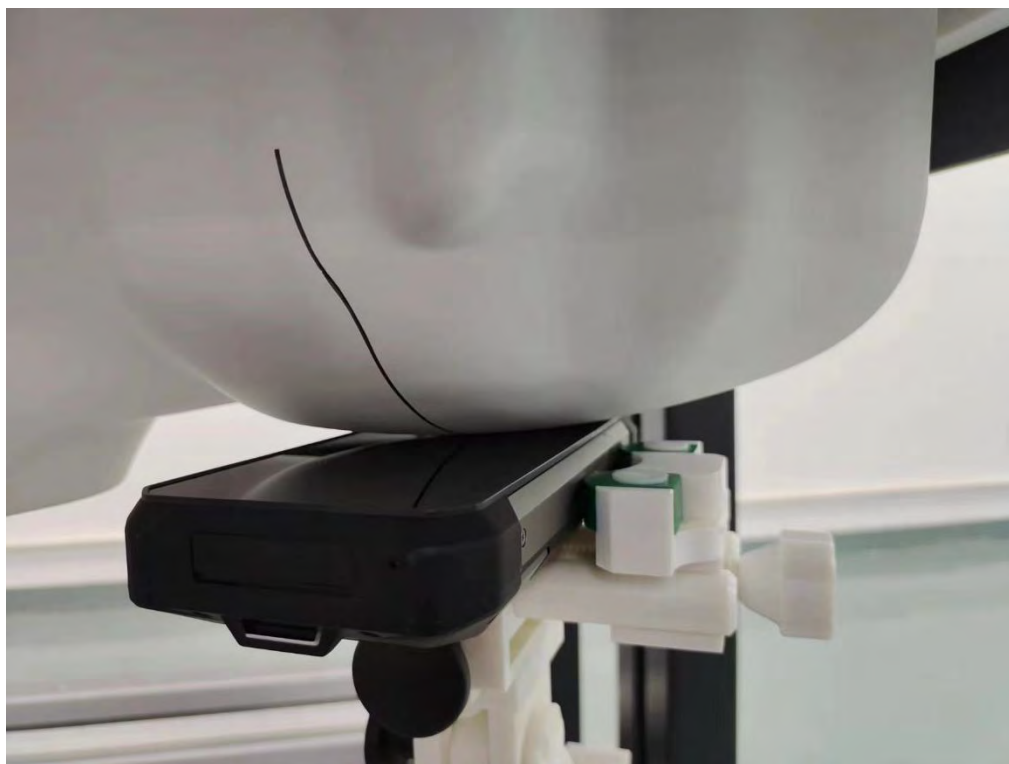


Right Tilt

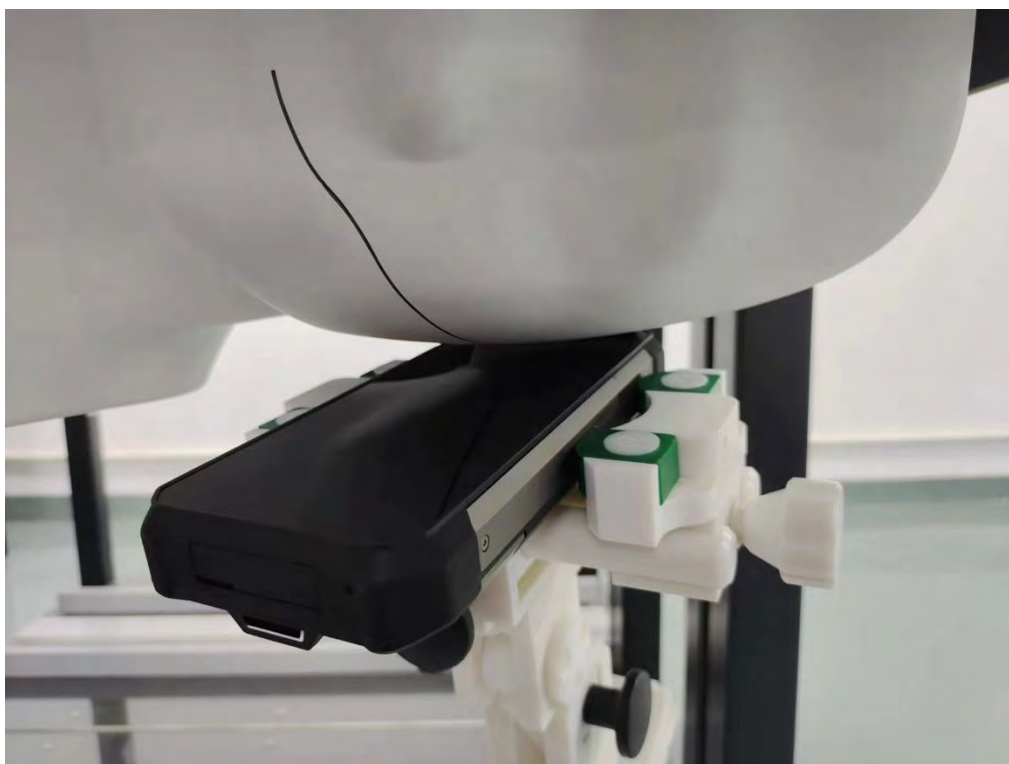




Left Touch



Left Tilt

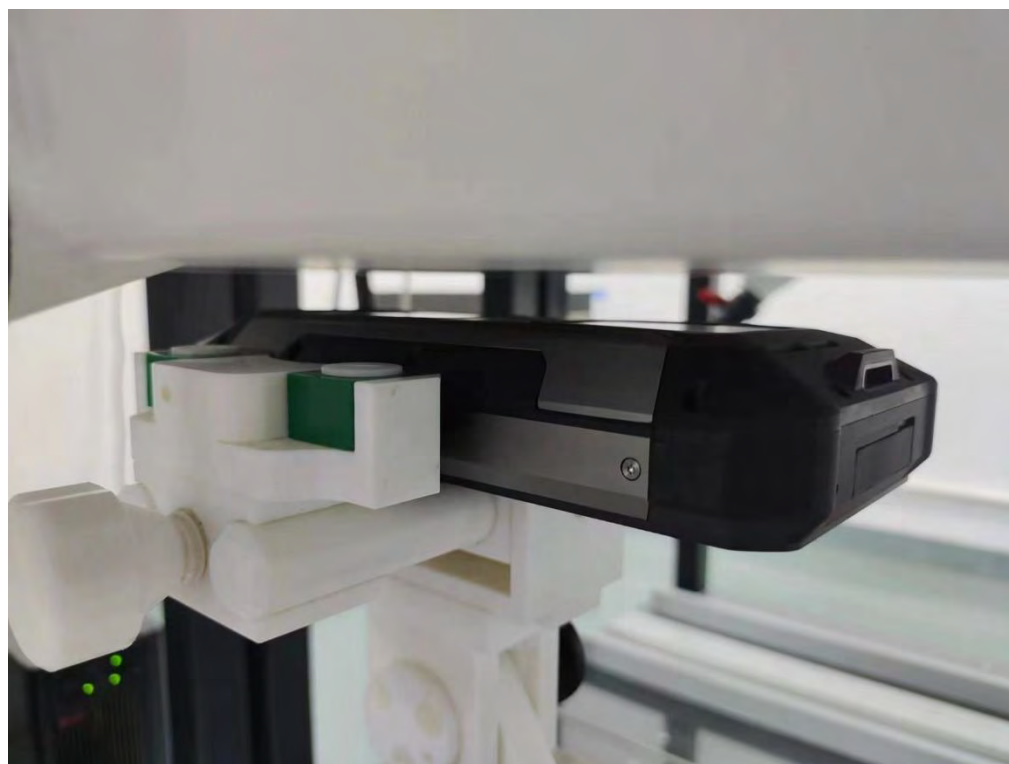




Body Front side (separation distance is 10mm)

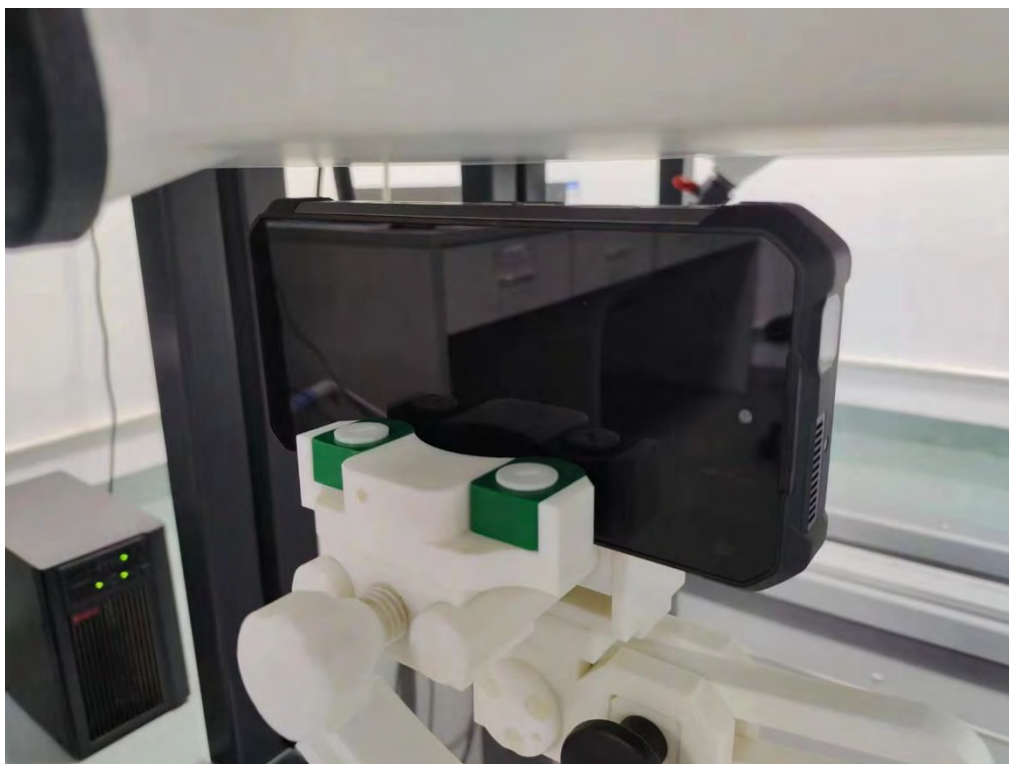


Body Back side (separation distance 10mm)

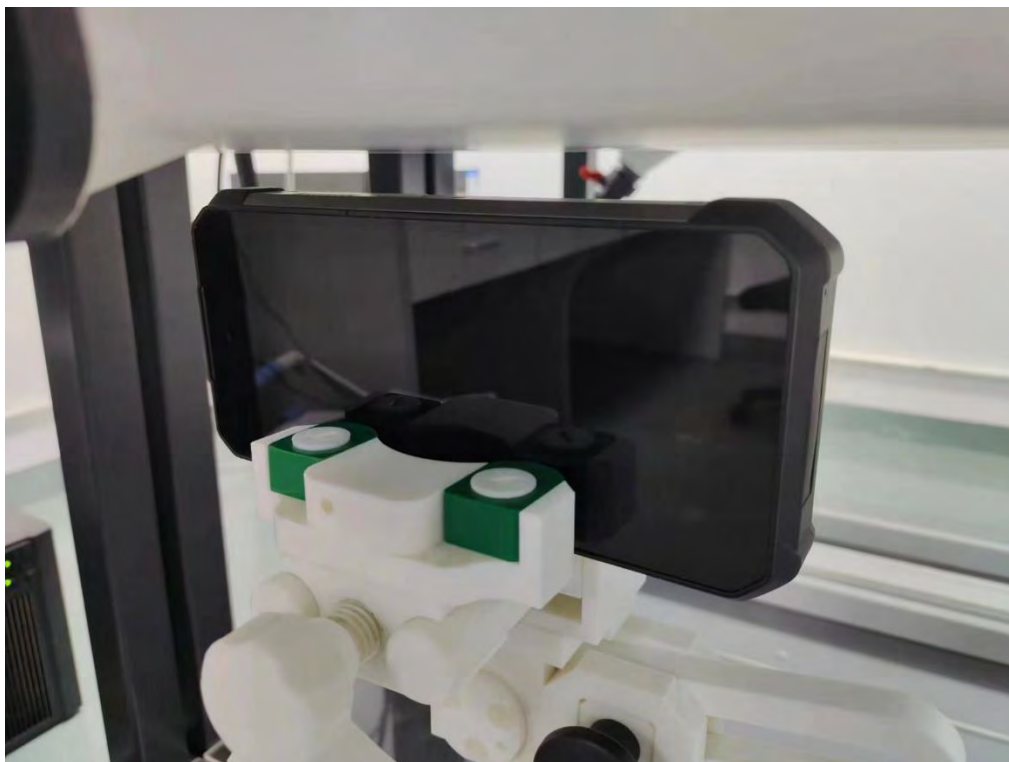




Body Left side (separation distance is 10mm)



Body Right side (separation distance is 10mm)





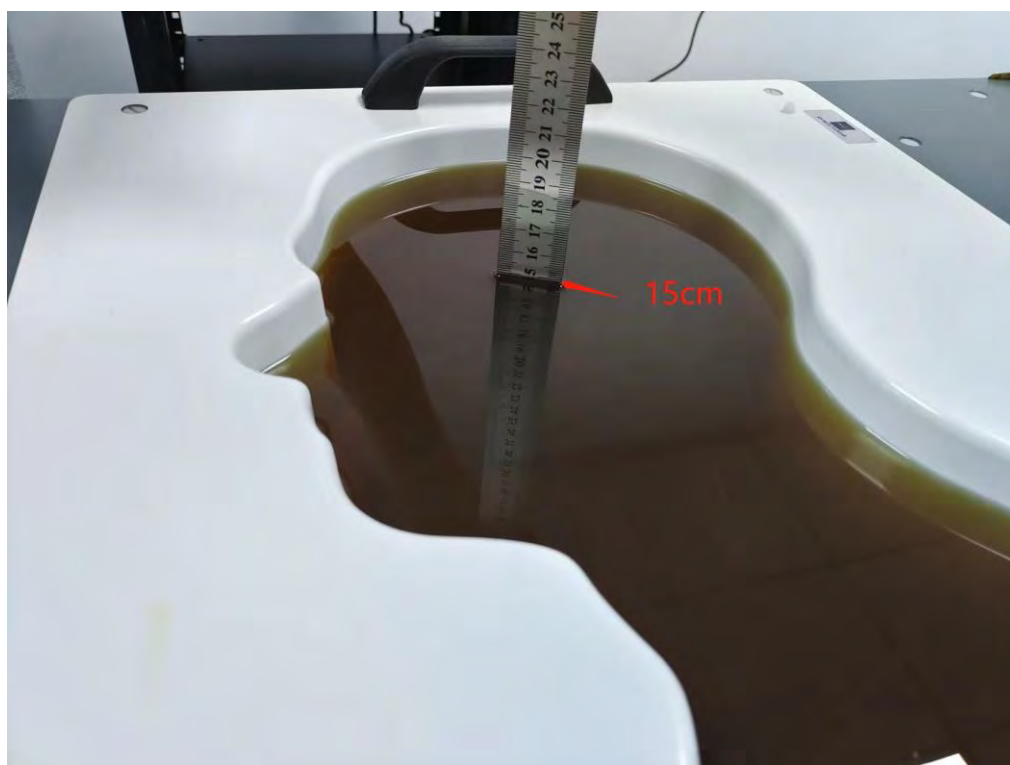
Body Top side (separation distance is 10mm)



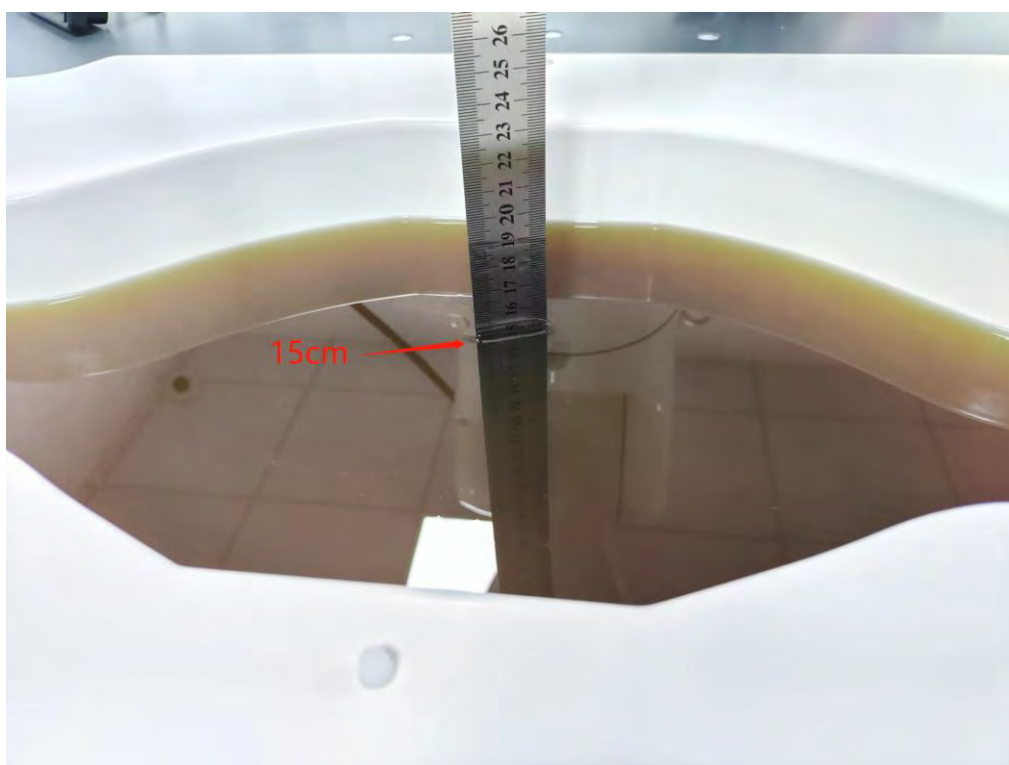
Body Bottom side (separation distance is 10mm)



Liquid depth (15 cm)



Liquid depth (15 cm)





12. SAR Result Summary

12.1 Head SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
GSM850	GSM	Right Cheek	836.6	0.165	1.38	33.00	32.77	0.174	1
		Right Tilt	836.6	0.134	1.36	33.00	32.77	0.141	/
		Left Cheek	836.6	0.162	-0.43	33.00	32.77	0.171	/
		Left Tilt	836.6	0.119	-0.68	33.00	32.77	0.125	/
PCS 1900	GSM	Right Cheek	1880	0.086	0.85	30.00	29.59	0.095	/
		Right Tilt	1880	0.065	-3.54	30.00	29.59	0.071	/
		Left Cheek	1880	0.091	-3.76	30.00	29.59	0.100	3
		Left Tilt	1880	0.065	0.26	30.00	29.59	0.071	/
WCDMA Band II	RMC	Right Cheek	1880	0.107	0.86	23.50	23.11	0.117	5
		Right Tilt	1880	0.083	-0.70	23.50	23.11	0.091	/
		Left Cheek	1880	0.100	-1.17	23.50	23.11	0.109	/
		Left Tilt	1880	0.072	3.90	23.50	23.11	0.079	/
WCDMA Band IV	RMC	Right Cheek	1740	0.142	-2.70	23.50	23.15	0.154	7
		Right Tilt	1740	0.105	-1.00	23.50	23.15	0.114	/
		Left Cheek	1740	0.134	3.42	23.50	23.15	0.145	/
		Left Tilt	1740	0.094	-3.78	23.50	23.15	0.102	/
WCDMA Band V	RMC	Right Cheek	846.6	0.180	-3.94	23.50	23.22	0.192	9
		Right Tilt	846.6	0.143	1.97	23.50	23.22	0.153	/
		Left Cheek	846.6	0.161	-3.61	23.50	23.22	0.172	/
		Left Tilt	846.6	0.120	0.30	23.50	23.22	0.128	/
CDMA	BC0	Right Cheek	824.7	0.066	-0.15	23.00	22.73	0.070	11
		Right Tilt	824.7	0.051	-1.30	23.00	22.73	0.054	/
		Left Cheek	824.7	0.061	-2.39	23.00	22.73	0.065	/
		Left Tilt	824.7	0.049	-3.58	23.00	22.73	0.052	/
CDMA	BC1	Right Cheek	1880	0.071	2.16	22.00	21.52	0.079	13
		Right Tilt	1880	0.057	-0.02	22.00	21.52	0.064	/
		Left Cheek	1880	0.063	-1.81	22.00	21.52	0.070	/
		Left Tilt	1880	0.049	-2.30	22.00	21.52	0.055	/
2.4G WLAN	802.11b	Right Cheek	2462	0.187	-1.03	18.00	17.87	0.193	/
		Right Tilt	2462	0.240	2.25	18.00	17.87	0.247	15
		Left Cheek	2462	0.151	1.17	18.00	17.87	0.156	/
		Left Tilt	2462	0.225	-1.47	18.00	17.87	0.232	/
5.2G WLAN	802.11a	Right Cheek	5200	0.375	1.02	17.00	16.88	0.386	/
		Right Tilt	5180	0.393	-1.73	17.00	16.43	0.448	/
		Right Tilt	5200	0.500	1.18	17.00	16.88	0.514	17
		Right Tilt	5240	0.462	-1.56	17.00	16.83	0.480	/
		Left Cheek	5200	0.276	-2.25	17.00	16.88	0.284	/
		Left Tilt	5200	0.432	-1.98	17.00	16.88	0.444	/
5.3G WLAN	802.11a	Right Cheek	5260	0.274	-0.90	17.00	16.91	0.280	/
		Right Tilt	5260	0.362	-0.95	17.00	16.91	0.370	19
		Left Cheek	5260	0.205	-3.94	17.00	16.91	0.209	/
		Left Tilt	5260	0.314	-0.50	17.00	16.91	0.321	/



5.6G WLAN	802.11a	Right Cheek	5580	0.355	2.85	17.50	17.46	0.358	/
		Right Tilt	5580	0.466	0.35	17.50	17.46	0.470	21
		Left Cheek	5580	0.276	3.36	17.50	17.46	0.279	/
		Left Tilt	5580	0.416	-2.94	17.50	17.46	0.420	/
5.8G WLAN	802.11a	Right Cheek	5825	0.266	-2.41	17.50	17.36	0.275	/
		Right Tilt	5825	0.368	1.10	17.50	17.36	0.380	23
		Left Cheek	5825	0.203	0.36	17.50	17.36	0.210	/
		Left Tilt	5825	0.330	-0.63	17.50	17.36	0.341	/



Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Right Cheek	1900	0.077	-0.71	24.00	23.90	0.079	/
			50	0	Right Cheek	1900	0.071	3.63	23.50	23.03	0.079	/
			1	0	Right Tilt	1900	0.060	-1.49	24.00	23.90	0.061	/
			50	0	Right Tilt	1900	0.053	3.21	23.50	23.03	0.059	/
			1	0	Left Cheek	1900	0.113	1.31	24.00	23.90	0.116	25
			50	0	Left Cheek	1900	0.102	-0.16	23.50	23.03	0.114	/
			1	0	Left Tilt	1900	0.094	-2.21	24.00	23.90	0.096	/
			50	0	Left Tilt	1900	0.087	0.63	23.50	23.03	0.097	/
LTE Band 4	20M	QPSK	1	0	Right Cheek	1745	0.129	-0.05	24.00	23.61	0.141	/
			50	0	Right Cheek	1745	0.119	-3.36	23.00	22.52	0.133	/
			1	0	Right Tilt	1745	0.099	-0.89	24.00	23.61	0.108	/
			50	0	Right Tilt	1745	0.089	-3.20	23.00	22.52	0.099	/
			1	0	Left Cheek	1745	0.148	2.07	24.00	23.61	0.162	27
			50	0	Left Cheek	1745	0.131	-0.83	23.00	22.52	0.146	/
			1	0	Left Tilt	1745	0.112	1.91	24.00	23.61	0.123	/
			50	0	Left Tilt	1745	0.101	3.23	23.00	22.52	0.113	/
LTE Band 5	10M	QPSK	1	0	Right Cheek	844	0.150	1.63	24.50	24.02	0.168	/
			25	0	Right Cheek	836.5	0.134	1.91	23.00	22.90	0.137	/
			1	0	Right Tilt	844	0.111	-1.84	24.50	24.02	0.124	/
			25	0	Right Tilt	836.5	0.101	2.69	23.00	22.90	0.103	/
			1	0	Left Cheek	844	0.183	2.67	24.50	24.02	0.204	29
			25	0	Left Cheek	836.5	0.168	-0.49	23.00	22.90	0.172	/
			1	0	Left Tilt	844	0.150	-0.76	24.50	24.02	0.168	/
			25	0	Left Tilt	836.5	0.136	-0.14	23.00	22.90	0.139	/
LTE Band 7	20M	QPSK	1	0	Right Cheek	2535	0.083	3.11	24.50	24.11	0.091	/
			50	0	Right Cheek	2535	0.075	-1.59	23.50	23.00	0.084	/
			1	0	Right Tilt	2535	0.064	-2.55	24.50	24.11	0.070	/
			50	0	Right Tilt	2535	0.058	3.75	23.50	23.00	0.065	/
			1	0	Left Cheek	2535	0.136	3.76	24.50	24.11	0.149	31
			50	0	Left Cheek	2535	0.122	-2.87	23.50	23.00	0.137	/
			1	0	Left Tilt	2535	0.106	-1.80	24.50	24.11	0.116	/
			50	0	Left Tilt	2535	0.098	0.10	23.50	23.00	0.110	/
LTE Band 12	10M	QPSK	1	0	Right Cheek	707.5	0.099	-1.80	24.00	23.73	0.105	/
			25	0	Right Cheek	704	0.089	0.90	23.00	22.64	0.097	/
			1	0	Right Tilt	707.5	0.067	-0.56	24.00	23.73	0.071	/
			25	0	Right Tilt	704	0.064	-0.66	23.00	22.64	0.070	/
			1	0	Left Cheek	707.5	0.147	-1.73	24.00	23.73	0.156	33
			25	0	Left Cheek	704	0.134	-0.92	23.00	22.64	0.146	/
			1	0	Left Tilt	707.5	0.116	-2.83	24.00	23.73	0.123	/
			25	0	Left Tilt	704	0.108	0.26	23.00	22.64	0.117	/



LTE Band 13	10M	QPSK	1	0	Right Cheek	782	0.119	2.84	24.00	23.62	0.130	/
			25	0	Right Cheek	782	0.107	0.53	23.00	22.53	0.119	/
			1	0	Right Tilt	782	0.080	-2.06	24.00	23.62	0.087	/
			25	0	Right Tilt	782	0.075	-2.51	23.00	22.53	0.084	/
			1	0	Left Cheek	782	0.162	2.80	24.00	23.62	0.177	35
			25	0	Left Cheek	782	0.144	0.43	23.00	22.53	0.160	/
			1	0	Left Tilt	782	0.128	-3.36	24.00	23.62	0.140	/
			25	0	Left Tilt	782	0.118	-1.68	23.00	22.53	0.131	/
LTE Band 17	10M	QPSK	1	0	Right Cheek	709	0.140	-3.38	24.00	23.65	0.152	/
			25	0	Right Cheek	710	0.129	1.78	23.00	22.58	0.142	/
			1	0	Right Tilt	709	0.103	1.97	24.00	23.65	0.112	/
			25	0	Right Tilt	710	0.095	1.89	23.00	22.58	0.105	/
			1	0	Left Cheek	709	0.168	0.07	24.00	23.65	0.182	37
			25	0	Left Cheek	710	0.152	0.00	23.00	22.58	0.167	/
			1	0	Left Tilt	709	0.120	3.97	24.00	23.65	0.130	/
			25	0	Left Tilt	710	0.109	0.86	23.00	22.58	0.120	/
LTE Band 25	20M	QPSK	1	0	Right Cheek	1905	0.108	0.59	24.50	24.02	0.121	/
			50	0	Right Cheek	1905	0.098	-0.66	23.00	22.95	0.099	/
			1	0	Right Tilt	1905	0.092	0.19	24.50	24.02	0.103	/
			50	0	Right Tilt	1905	0.082	-2.25	23.00	22.95	0.083	/
			1	0	Left Cheek	1905	0.113	1.85	24.50	24.02	0.126	39
			50	0	Left Cheek	1905	0.100	-0.43	23.00	22.95	0.101	/
			1	0	Left Tilt	1905	0.087	-1.36	24.50	24.02	0.097	/
			50	0	Left Tilt	1905	0.077	-3.87	23.00	22.95	0.078	/
LTE Band 26	15M	QPSK	1	0	Right Cheek	841.5	0.148	1.37	24.50	24.09	0.163	/
			36	0	Right Cheek	831.5	0.133	2.70	23.50	23.00	0.149	/
			1	0	Right Tilt	841.5	0.112	0.21	24.50	24.09	0.123	/
			36	0	Right Tilt	831.5	0.102	-2.58	23.50	23.00	0.114	/
			1	0	Left Cheek	841.5	0.169	-1.44	24.50	24.09	0.186	41
			36	0	Left Cheek	831.5	0.154	-3.27	23.50	23.00	0.173	/
			1	0	Left Tilt	841.5	0.134	0.01	24.50	24.09	0.147	/
			36	0	Left Tilt	831.5	0.119	-0.68	23.50	23.00	0.134	/
LTE Band 38	20M	QPSK	1	0	Right Cheek	2580	0.117	-1.59	24.50	24.35	0.121	43
			50	0	Right Cheek	2580	0.106	-2.34	23.50	23.27	0.112	/
			1	0	Right Tilt	2580	0.086	1.41	24.50	24.35	0.089	/
			50	0	Right Tilt	2580	0.076	-3.31	23.50	23.27	0.080	/
			1	0	Left Cheek	2580	0.094	3.31	24.50	24.35	0.097	/
			50	0	Left Cheek	2580	0.084	3.97	23.50	23.27	0.089	/
			1	0	Left Tilt	2580	0.083	3.68	24.50	24.35	0.086	/
			50	0	Left Tilt	2580	0.073	1.97	23.50	23.27	0.077	/
LTE Band 40	10M	QPSK	1	0	Right Cheek	2310	0.105	-3.62	12.00	11.61	0.115	45
			50	0	Right Cheek	2310	0.093	-0.42	11.00	10.62	0.102	/
			1	0	Right Tilt	2310	0.088	-0.13	12.00	11.61	0.096	/
			50	0	Right Tilt	2310	0.083	-1.43	11.00	10.62	0.091	/
			1	0	Left Cheek	2310	0.083	2.43	12.00	11.61	0.091	/
			50	0	Left Cheek	2310	0.074	-0.64	11.00	10.62	0.081	/
			1	0	Left Tilt	2310	0.056	-2.38	12.00	11.61	0.061	/
			50	0	Left Tilt	2310	0.053	-0.73	11.00	10.62	0.058	/



LTE Band 41	20M	QPSK	1	0	Right Cheek	2680	0.119	0.02	24.50	24.36	0.123	47
			50	0	Right Cheek	2680	0.109	-3.90	23.50	23.29	0.114	/
			1	0	Right Tilt	2680	0.095	0.57	24.50	24.36	0.098	/
			50	0	Right Tilt	2680	0.088	-0.10	23.50	23.29	0.092	/
			1	0	Left Cheek	2680	0.080	2.29	24.50	24.36	0.083	/
			50	0	Left Cheek	2680	0.074	-3.42	23.50	23.29	0.078	/
			1	0	Left Tilt	2680	0.074	3.38	24.50	24.36	0.076	/
			50	0	Left Tilt	2680	0.068	-3.36	23.50	23.29	0.071	/
LTE Band 66	20M	QPSK	1	0	Right Cheek	1745	0.149	-3.09	23.50	23.39	0.153	49
			50	0	Right Cheek	1745	0.138	0.41	22.50	22.30	0.145	/
			1	0	Right Tilt	1745	0.104	1.49	23.50	23.39	0.107	/
			50	0	Right Tilt	1745	0.096	3.06	22.50	22.30	0.101	/
			1	0	Left Cheek	1745	0.141	-2.25	23.50	23.39	0.145	/
			50	0	Left Cheek	1745	0.127	1.85	22.50	22.30	0.133	/
			1	0	Left Tilt	1745	0.098	-0.76	23.50	23.39	0.101	/
			50	0	Left Tilt	1745	0.087	3.82	22.50	22.30	0.091	/

Note:

1. Per KDB 447498 D01, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.

a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.

b. Scaled SAR(W/kg) = Measured SAR(W/kg) *Tune-up Scaling Factor

2. Per KDB 865664 D01, Repeated measurement is not required when the original highest measured SAR is <0.80 W/kg.



12.2 Body-worn and Hotspot SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
GSM850	GPRS Data-4 Slot	Front Side	836.6	0.183	0.78	29.50	29.45	0.185	/
		Back Side	836.6	0.369	2.75	29.50	29.45	0.373	2
		Left Side	836.6	0.295	0.27	29.50	29.45	0.298	/
		Right Side	836.6	0.223	-2.81	29.50	29.45	0.226	/
		Top Side	836.6	0.075	2.86	29.50	29.45	0.076	/
		Bottom Side	836.6	0.322	2.96	29.50	29.45	0.326	/
PCS 1900	GPRS (GMSK, 2-Slot)	Front Side	1880	0.236	-3.62	29.00	28.66	0.255	/
		Back Side	1880	0.308	-0.58	29.00	28.66	0.333	/
		Left Side	1880	0.132	3.45	29.00	28.66	0.143	/
		Right Side	1880	0.182	-3.35	29.00	28.66	0.197	/
		Bottom Side	1880	0.645	0.44	29.00	28.66	0.698	4
WCDMA Band II	RMC	Front Side	1880	0.245	-1.52	23.50	23.11	0.268	/
		Back Side	1880	0.300	-0.37	23.50	23.11	0.328	/
		Left Side	1880	0.108	2.53	23.50	23.11	0.118	/
		Right Side	1880	0.127	-1.61	23.50	23.11	0.139	/
		Bottom Side	1880	0.548	-1.06	23.50	23.11	0.599	6
WCDMA Band IV	RMC	Front Side	1740	0.460	2.32	23.50	23.15	0.499	/
		Back Side	1740	0.384	1.38	23.50	23.15	0.416	/
		Left Side	1740	0.639	3.41	23.50	23.15	0.693	/
		Right Side	1740	0.482	1.70	23.50	23.15	0.522	/
		Bottom Side	1712.6	0.724	2.49	23.50	23.09	0.796	/
		Bottom Side	1740	0.783	-1.66	23.50	23.15	0.849	8
		Bottom Side	1752.4	0.658	2.48	23.50	23.01	0.737	/
WCDMA Band V	RMC	Front Side	846.6	0.120	0.88	23.50	23.22	0.128	/
		Back Side	846.6	0.223	3.59	23.50	23.22	0.238	10
		Left Side	846.6	0.199	-0.95	23.50	23.22	0.212	/
		Right Side	846.6	0.135	3.12	23.50	23.22	0.144	/
		Bottom Side	846.6	0.185	1.08	23.50	23.22	0.197	/
CDMA	BC0	Front Side	824.7	0.051	-3.02	23.00	22.73	0.054	/
		Back Side	824.7	0.078	3.37	23.00	22.73	0.083	12
		Left Side	824.7	0.062	-2.95	23.00	22.73	0.066	/
		Right Side	824.7	0.049	2.72	23.00	22.73	0.052	/
		Bottom Side	824.7	0.063	-2.30	23.00	22.73	0.067	/
CDMA	BC1	Front Side	1880	0.056	2.48	22.00	21.52	0.063	/
		Back Side	1880	0.047	-0.01	22.00	21.52	0.052	/
		Left Side	1880	0.074	-3.25	22.00	21.52	0.083	/
		Right Side	1880	0.057	-2.15	22.00	21.52	0.064	/
		Bottom Side	1880	0.091	-3.29	22.00	21.52	0.102	14
2.4GHz WLAN	802.11b	Front Side	2462	0.129	-0.32	18.00	17.87	0.133	/
		Back Side	2462	0.095	0.88	18.00	17.87	0.098	/
		Right Side	2462	0.117	2.57	18.00	17.87	0.121	/
		Top Side	2462	0.202	-3.60	18.00	17.87	0.208	16
5.2GHz WLAN	802.11a	Front Side	5200	0.288	0.22	17.00	16.88	0.296	/
		Back Side	5200	0.205	-1.67	17.00	16.88	0.211	/
		Right Side	5200	0.260	1.72	17.00	16.88	0.267	/
		Top Side	5200	0.471	0.78	17.00	16.88	0.484	18
5.3GHz WLAN	802.11a	Front Side	5260	0.288	-0.76	17.00	16.91	0.294	/
		Back Side	5260	0.217	2.96	17.00	16.91	0.222	/
		Right Side	5260	0.249	2.74	17.00	16.91	0.254	/
		Top Side	5260	0.476	2.37	17.00	16.91	0.486	20



5.6GHz WLAN	802.11a	Front Side	5580	0.299	2.84	17.50	17.46	0.302	/
		Back Side	5580	0.207	3.62	17.50	17.46	0.209	/
		Right Side	5580	0.250	0.91	17.50	17.46	0.252	/
		Top Side	5580	0.479	3.15	17.50	17.46	0.483	22
5.8GHz WLAN	802.11a	Front Side	5825	0.298	-2.46	17.50	17.36	0.308	/
		Back Side	5825	0.219	-3.59	17.50	17.36	0.226	/
		Right Side	5825	0.271	-1.56	17.50	17.36	0.280	/
		Top Side	5825	0.485	1.32	17.50	17.36	0.501	24



Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Front side	1900	0.209	-3.52	24.00	23.90	0.214	/
			50	0	Front side	1900	0.187	2.82	23.50	23.03	0.208	/
			1	0	Back Side	1900	0.247	1.49	24.00	23.90	0.253	/
			50	0	Back Side	1900	0.223	-1.62	23.50	23.03	0.248	/
			1	0	Left Side	1900	0.101	-0.37	24.00	23.90	0.103	/
			50	0	Left Side	1900	0.091	-2.15	23.50	23.03	0.101	/
			1	0	Right Side	1900	0.138	3.69	24.00	23.90	0.141	/
			50	0	Right Side	1900	0.124	2.30	23.50	23.03	0.138	/
			1	0	Bottom Side	1900	0.492	-0.31	24.00	23.90	0.503	26
			50	0	Bottom Side	1900	0.445	3.87	23.50	23.03	0.496	/
LTE Band 4	20M	QPSK	1	0	Front side	1745	0.220	-3.56	24.00	23.61	0.241	/
			50	0	Front side	1745	0.199	-2.15	23.00	22.52	0.222	/
			1	0	Back Side	1745	0.317	0.27	24.00	23.61	0.347	/
			50	0	Back Side	1745	0.285	2.05	23.00	22.52	0.318	/
			1	0	Left Side	1745	0.157	0.94	24.00	23.61	0.172	/
			50	0	Left Side	1745	0.142	3.30	23.00	22.52	0.159	/
			1	0	Right Side	1745	0.215	1.93	24.00	23.61	0.235	/
			50	0	Right Side	1745	0.194	2.19	23.00	22.52	0.217	/
			1	0	Bottom Side	1720	0.612	1.54	24.00	23.37	0.708	/
			1	0	Bottom Side	1732.5	0.674	2.74	24.00	23.43	0.769	/
			1	0	Bottom Side	1745	0.768	0.32	24.00	23.61	0.840	28
			50	0	Bottom Side	1745	0.695	-2.49	23.00	22.52	0.776	/



LTE Band 5	10M	QPSK	1	0	Front side	844	0.136	-3.31	24.50	24.02	0.152	/
			25	0	Front side	836.5	0.125	2.52	23.00	22.90	0.128	/
			1	0	Back Side	844	0.269	1.37	24.50	24.02	0.300	30
			25	0	Back Side	836.5	0.242	-3.57	23.00	22.90	0.248	/
			1	0	Left Side	844	0.219	2.89	24.50	24.02	0.245	/
			25	0	Left Side	836.5	0.199	0.01	23.00	22.90	0.204	/
			1	0	Right Side	844	0.177	-0.63	24.50	24.02	0.198	/
			25	0	Right Side	836.5	0.158	0.44	23.00	22.90	0.162	/
			1	0	Bottom Side	844	0.174	-0.33	24.50	24.02	0.194	/
			25	0	Bottom Side	836.5	0.159	-1.11	23.00	22.90	0.163	/
LTE Band 7	20M	QPSK	1	0	Front side	2535	0.201	-2.62	24.50	24.11	0.220	/
			50	0	Front side	2535	0.185	-2.42	23.50	23.00	0.208	/
			1	0	Back Side	2535	0.490	2.11	24.50	24.11	0.536	32
			50	0	Back Side	2535	0.444	2.10	23.50	23.00	0.498	/
			1	0	Left Side	2535	0.091	2.43	24.50	24.11	0.100	/
			50	0	Left Side	2535	0.082	3.35	23.50	23.00	0.092	/
			1	0	Right Side	2535	0.122	-3.86	24.50	24.11	0.133	/
			50	0	Right Side	2535	0.110	-0.70	23.50	23.00	0.123	/
			1	0	Bottom Side	2535	0.434	-3.62	24.50	24.11	0.475	/
			50	0	Bottom Side	2535	0.393	3.61	23.50	23.00	0.441	/
LTE Band 12	10M	QPSK	1	0	Front side	707.5	0.134	-0.62	24.00	23.73	0.143	/
			25	0	Front side	704	0.121	2.16	23.00	22.64	0.131	/
			1	0	Back Side	707.5	0.235	2.80	24.00	23.73	0.250	34
			25	0	Back Side	704	0.214	1.95	23.00	22.64	0.232	/
			1	0	Left Side	707.5	0.189	-0.35	24.00	23.73	0.201	/
			25	0	Left Side	704	0.173	3.70	23.00	22.64	0.188	/
			1	0	Right Side	707.5	0.142	1.43	24.00	23.73	0.151	/
			25	0	Right Side	704	0.132	2.85	23.00	22.64	0.143	/
			1	0	Bottom Side	707.5	0.144	-3.78	24.00	23.73	0.153	/
			25	0	Bottom Side	704	0.133	0.37	23.00	22.64	0.144	/



LTE Band 13	10M	QPSK	1	0	Front side	782	0.147	-3.97	24.00	23.62	0.160	/
			25	0	Front side	782	0.134	-1.94	23.00	22.53	0.149	/
			1	0	Back Side	782	0.203	-3.09	24.00	23.62	0.222	36
			25	0	Back Side	782	0.182	0.11	23.00	22.53	0.203	/
			1	0	Left Side	782	0.163	1.46	24.00	23.62	0.178	/
			25	0	Left Side	782	0.147	-1.96	23.00	22.53	0.164	/
			1	0	Right Side	782	0.124	0.43	24.00	23.62	0.135	/
			25	0	Right Side	782	0.114	-2.95	23.00	22.53	0.127	/
			1	0	Bottom Side	782	0.137	-3.93	24.00	23.62	0.150	/
			25	0	Bottom Side	782	0.126	-1.77	23.00	22.53	0.140	/
LTE Band 17	10M	QPSK	1	0	Front side	709	0.153	3.69	24.00	23.65	0.166	/
			25	0	Front side	710	0.137	-0.02	23.00	22.58	0.151	/
			1	0	Back Side	709	0.241	2.37	24.00	23.65	0.261	38
			25	0	Back Side	710	0.220	-0.63	23.00	22.58	0.242	/
			1	0	Left Side	709	0.196	3.25	24.00	23.65	0.212	/
			25	0	Left Side	710	0.180	3.98	23.00	22.58	0.198	/
			1	0	Right Side	709	0.145	0.20	24.00	23.65	0.157	/
			25	0	Right Side	710	0.130	-0.48	23.00	22.58	0.143	/
			1	0	Bottom Side	709	0.148	0.17	24.00	23.65	0.160	/
			25	0	Bottom Side	710	0.136	-1.70	23.00	22.58	0.150	/
LTE Band 25	20M	QPSK	1	0	Front side	1905	0.223	-0.72	24.50	24.02	0.249	/
			50	0	Front side	1905	0.204	-0.31	23.00	22.95	0.206	/
			1	0	Back Side	1905	0.273	2.99	24.50	24.02	0.305	/
			50	0	Back Side	1905	0.247	0.82	23.00	22.95	0.250	/
			1	0	Left Side	1905	0.100	-1.61	24.50	24.02	0.112	/
			50	0	Left Side	1905	0.092	2.96	23.00	22.95	0.093	/
			1	0	Right Side	1905	0.137	-0.18	24.50	24.02	0.153	/
			50	0	Right Side	1905	0.122	3.75	23.00	22.95	0.123	/
			1	0	Bottom Side	1905	0.490	-2.20	24.50	24.02	0.547	40
			50	0	Bottom Side	1905	0.441	-1.33	23.00	22.95	0.446	/



LTE Band 26	15M	QPSK	1	0	Front side	841.5	0.140	-2.62	24.50	24.09	0.154	/
			36	0	Front side	831.5	0.125	-2.70	23.50	23.00	0.140	/
			1	0	Back Side	841.5	0.211	-3.28	24.50	24.09	0.232	42
			36	0	Back Side	831.5	0.191	1.09	23.50	23.00	0.214	/
			1	0	Left Side	841.5	0.173	-2.83	24.50	24.09	0.190	/
			36	0	Left Side	831.5	0.155	-2.81	23.50	23.00	0.174	/
			1	0	Right Side	841.5	0.129	-2.53	24.50	24.09	0.142	/
			36	0	Right Side	831.5	0.119	0.36	23.50	23.00	0.134	/
			1	0	Bottom Side	841.5	0.142	-3.33	24.50	24.09	0.156	/
			36	0	Bottom Side	831.5	0.128	-3.18	23.50	23.00	0.144	/
LTE Band 38	20M	QPSK	1	0	Front side	2580	0.150	-3.27	24.50	24.35	0.155	/
			50	0	Front side	2580	0.138	-0.74	23.50	23.27	0.146	/
			1	0	Back Side	2580	0.357	1.52	24.50	24.35	0.370	44
			50	0	Back Side	2580	0.320	-3.63	23.50	23.27	0.337	/
			1	0	Left Side	2580	0.049	0.93	24.50	24.35	0.051	/
			50	0	Left Side	2580	0.042	0.90	23.50	23.27	0.044	/
			1	0	Right Side	2580	0.070	-2.00	24.50	24.35	0.072	/
			50	0	Right Side	2580	0.063	-2.56	23.50	23.27	0.066	/
			1	0	Bottom Side	2580	0.244	-3.02	24.50	24.35	0.253	/
			50	0	Bottom Side	2580	0.221	3.10	23.50	23.27	0.233	/
LTE Band 40	10M	QPSK	1	0	Front side	2310	0.175	-3.42	12.00	11.61	0.191	/
			50	0	Front side	2310	0.161	1.35	11.00	10.62	0.176	/
			1	0	Back Side	2310	0.282	3.51	12.00	11.61	0.308	46
			50	0	Back Side	2310	0.255	1.07	11.00	10.62	0.278	/
			1	0	Left Side	2310	0.058	1.79	12.00	11.61	0.063	/
			50	0	Left Side	2310	0.054	-2.96	11.00	10.62	0.059	/
			1	0	Bottom Side	2310	0.278	-1.91	12.00	11.61	0.304	/
			50	0	Bottom Side	2310	0.252	2.19	11.00	10.62	0.275	/



LTE Band 41	20M	QPSK	1	0	Front side	2680	0.162	3.76	24.50	24.36	0.167	/
			50	0	Front side	2680	0.148	2.37	23.50	23.29	0.155	/
			1	0	Back Side	2680	0.308	1.82	24.50	24.36	0.318	48
			50	0	Back Side	2680	0.276	2.56	23.50	23.29	0.290	/
			1	0	Left Side	2680	0.058	-2.65	24.50	24.36	0.060	/
			50	0	Left Side	2680	0.054	0.72	23.50	23.29	0.057	/
			1	0	Right Side	2680	0.079	3.44	24.50	24.36	0.082	/
			50	0	Right Side	2680	0.071	-2.23	23.50	23.29	0.075	/
			1	0	Bottom Side	2680	0.269	-3.62	24.50	24.36	0.278	/
			50	0	Bottom Side	2680	0.243	1.67	23.50	23.29	0.255	/
LTE Band 66	20M	QPSK	1	0	Front side	1745	0.226	1.03	23.50	23.39	0.232	/
			50	0	Front side	1745	0.204	-0.30	22.50	22.30	0.214	/
			1	0	Back Side	1745	0.367	-3.26	23.50	23.39	0.376	/
			50	0	Back Side	1745	0.332	2.10	22.50	22.30	0.348	/
			1	0	Left Side	1745	0.158	2.69	23.50	23.39	0.162	/
			50	0	Left Side	1745	0.144	2.98	22.50	22.30	0.151	/
			1	0	Right Side	1745	0.218	-3.16	23.50	23.39	0.224	/
			50	0	Right Side	1745	0.198	3.29	22.50	22.30	0.207	/
			1	0	Bottom Side	1745	0.767	-2.78	23.50	23.39	0.787	50
			50	0	Bottom Side	1745	0.692	-2.81	22.50	22.30	0.725	/

Note:

1. The test separation of all above table is 10mm.
2. Per KDB 447498 D01, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. Scaled SAR(W/kg) = Measured SAR(W/kg) *Tune-up Scaling Factor
3. When the user enables the personal Wireless router functions for the handsets, actual operations include simultaneous transmission of both the Wi-Fi transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. The "Portable Hotspot" feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.



Repeated SAR

Band	Mode	Test Position	Freq.	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR(W/Kg)	Meas. No.
WCDMA Band IV	RMC	Bottom Side	1740	0.771	-2.49	23.50	23.15	0.835	-

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR(W/Kg)	Meas. No.
LTE Band 4	20M	QPSK	1	0	Bottom Side	1745	0.755	3.21	24.00	23.61	0.826	-

Repeated SAR measurement

Band	Mode	Test Position	Freq.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio
WCDMA Band IV	RMC	Bottom Side	1740	0.783	0.771	1.016

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio
LTE Band 4	20M	QPSK	1	0	Bottom Side	1745	0.768	0.755	1.017

Note:

1. Per KDB 865664 D01,for each frequency band ,repeated SAR measurement is required only when the measured SAR is $\geq 0.8\text{W/Kg}$.
2. Per KDB 865664 D01,if the ratio of largest to smallest SAR for the original and first repeated measurement is ≤ 1.2 and the measured SAR $< 1.45\text{W/Kg}$, only one repeated measurement is required.
3. Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is $\geq 1.45\text{W/Kg}$.
4. The ratio is the difference in percentage between original and repeated measured SAR.



Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

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

NOTE:

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

Estimated SAR		Maximum Turn-up Power		Antenna to user(mm)	Frequency(GHz)	Stand Alone SAR(1g) [W/kg]
		dBm	mW			
BT	Head	3.5	2.239	5	2.441	0.093
	Body			5	2.441	0.093
NFC	Head	-29	0.001	5	0.01356	0.000004
	Body			5	0.01356	0.000004



Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
GSM + 2.4G WLAN+NFC	Head	GSM	0.174	0.421
		2.4G WLAN	0.247	
		NFC	0.000004	
	Body	GSM	0.698	0.906
		2.4G WLAN	0.208	
		NFC	0.000004	
GSM + Bluetooth+NFC	Head	GSM	0.174	0.267
		Bluetooth	0.093	
		NFC	0.000004	
	Body	GSM	0.698	0.791
		Bluetooth	0.093	
		NFC	0.000004	
GSM + 5G WLAN+NFC	Head	GSM	0.174	0.688
		5G WLAN	0.514	
		NFC	0.000004	
	Body	GSM	0.698	1.199
		5G WLAN	0.501	
		NFC	0.000004	
WCDMA + 2.4G WLAN+NFC	Head	WCDMA	0.192	0.439
		2.4G WLAN	0.247	
		NFC	0.000004	
	Body	WCDMA	0.849	1.057
		2.4G WLAN	0.208	
		NFC	0.000004	
WCDMA + Bluetooth+NFC	Head	WCDMA	0.192	0.285
		Bluetooth	0.093	
		NFC	0.000004	
	Body	WCDMA	0.849	0.942
		Bluetooth	0.093	
		NFC	0.000004	
WCDMA + 5G WLAN+NFC	Head	WCDMA	0.192	0.706
		5G WLAN	0.514	
		NFC	0.000004	
	Body	WCDMA	0.849	1.350
		5G WLAN	0.501	
		NFC	0.000004	
CDMA + 2.4G WLAN+NFC	Head	CDMA	0.079	0.326
		2.4G WLAN	0.247	
		NFC	0.000004	
	Body	CDMA	0.102	0.310
		2.4G WLAN	0.208	
		NFC	0.000004	



CDMA + Bluetooth+NFC	Head	CDMA	0.079	0.172
		Bluetooth	0.093	
		NFC	0.000004	
	Body	CDMA	0.102	0.195
		Bluetooth	0.093	
		NFC	0.000004	
CDMA + 5G WLAN+NFC	Head	CDMA	0.079	0.593
		5G WLAN	0.514	
		NFC	0.000004	
	Body	CDMA	0.102	0.603
		5G WLAN	0.501	
		NFC	0.000004	
LTE + 2.4G WLAN+NFC	Head	LTE	0.204	0.451
		2.4G WLAN	0.247	
		NFC	0.000004	
	Body	LTE	0.840	1.048
		2.4G WLAN	0.208	
		NFC	0.000004	
LTE + Bluetooth+NFC	Head	LTE	0.204	0.297
		Bluetooth	0.093	
		NFC	0.000004	
	Body	LTE	0.840	0.933
		Bluetooth	0.093	
		NFC	0.000004	
LTE + 5G WLAN	Head	LTE	0.204	0.718
		5G WLAN	0.514	
		NFC	0.000004	
	Body	LTE	0.840	1.341
		5G WLAN	0.501	
		NFC	0.000004	

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

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



13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
750MHz Dipole	MVG	DIP0G750	SN 06/22 DIP0G750-638	2022.02.11	2025.02.10
835MHz Dipole	MVG	DIP0G835	SN 06/22 DIP0G835-639	2022.02.11	2025.02.10
1800MHz Dipole	MVG	DIP1G800	SN 06/22 DIP1G800-640	2022.02.11	2025.02.10
1900MHz Dipole	MVG	DIP1G900	SN 06/22 DIP1G900-641	2022.02.11	2025.02.10
2300MHz Dipole	MVG	DIP2G300	SN 06/22 DIP2G100-644	2022.02.11	2025.02.10
2450MHz Dipole	MVG	DIP2G450	SN 06/22 DIP2G450-645	2022.02.11	2025.02.10
2600MHz Dipole	MVG	DIP2G600	SN 06/22 DIP2G600-646	2022.02.11	2025.02.10
5000MHz Dipole	MVG	DIP5G000	SN 06/22 DIP5G000-653	2022.02.11	2025.02.10
E-Field Probe	MVG	EPGO364	SN 04/22 EPGO364	2024.02.07	2025.02.06
Liquid Calibration Kit	MVG	OCPG 87	SN 06/22 OCPG87	2024.02.07	2025.02.06
Antenna	MVG	ANTA 73	SN 06/22 ANTA 73	N/A	N/A
Ellipsoid Phantom	MVG	ELLI 51	SN 06/22 ELLI 51	N/A	N/A
Phantom	MVG	SAM 148	SN 06/22 SAM148	N/A	N/A
Phone holder	MVG	MSH 117	SN 06/22 MSH 117	N/A	N/A
Laptop positioner	MVG	LSH 36	SN 06/22 LSH 38	N/A	N/A
Directional coupler	SHW	SHWDCP	202203280013	N/A	N/A
Network Analyzer	ZVL	R&S	116184-HC	2024.03.25	2025.03.24
Multi Meter	DMM6500	Keithley	4527252	2024.03.15	2025.03.14
Signal Generator	Keysight	N5182B	MY59100717	2024.03.09	2025.03.08
Wireless Communication Test Set	R&S	CMW500	137737	2024.03.09	2025.03.08
Power Sensor	R&S	Z11	116184	2024.02.23	2025.02.22
Electronic Temperature hygrometer	N/A	ST-W2318	N/A	2024.03.11	2025.03.10
Temperature hygrometer	N/A	TP101	N/A	2024.03.11	2025.03.10



Appendix A. System Validation Plots

System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

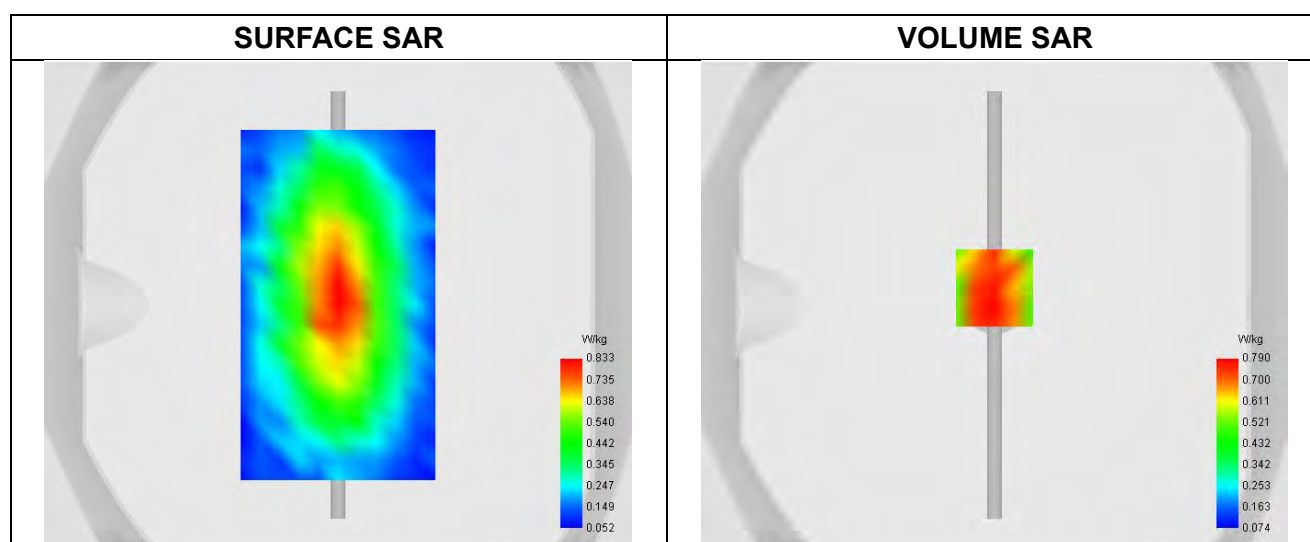
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2024-04-18

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	41.41
Conductivity (S/m)	0.88
Probe	SN 04/22 EPGO364
ConvF	1.68
Crest factor:	1:1

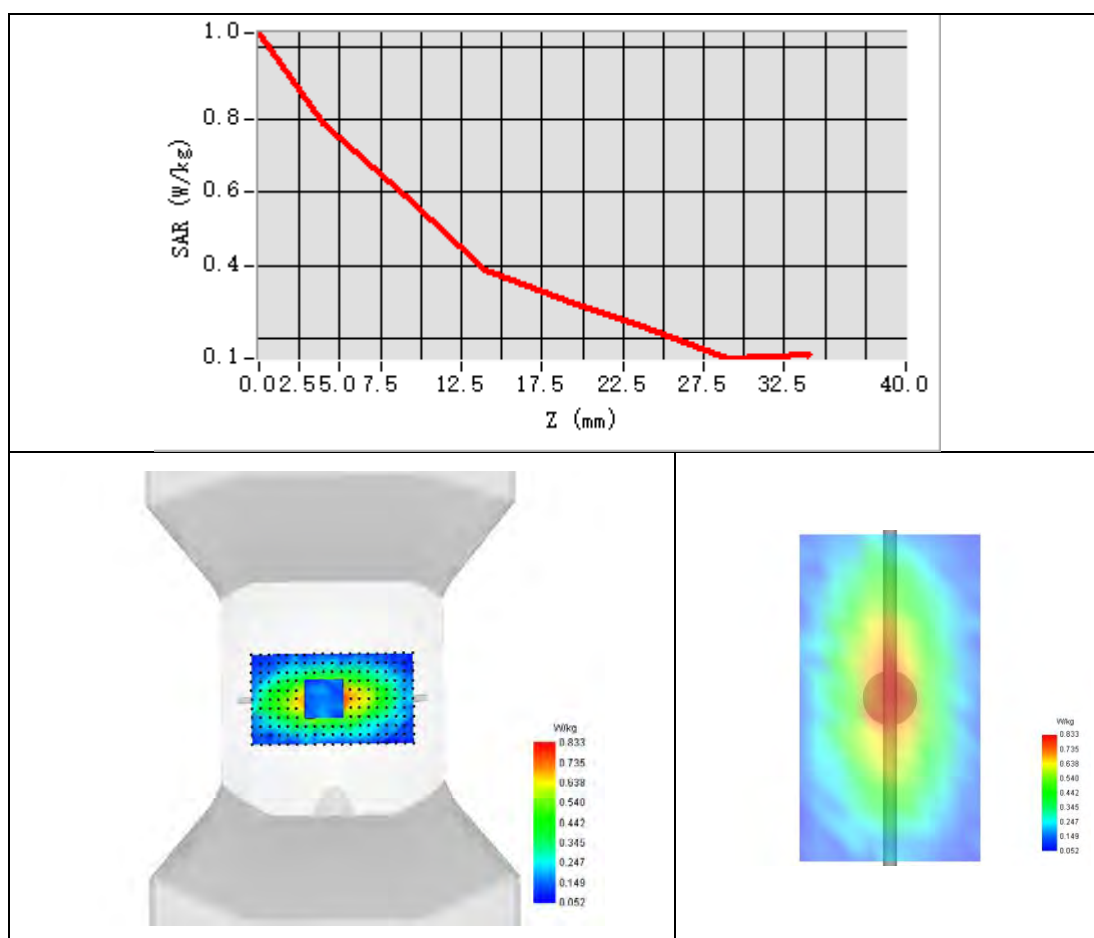


Maximum location: X=1.00, Y=3.00 ; SAR Peak: 1.39 W/kg

SAR 10g (W/Kg)	0.565
SAR 1g (W/Kg)	0.785



Z Axis Scan





System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

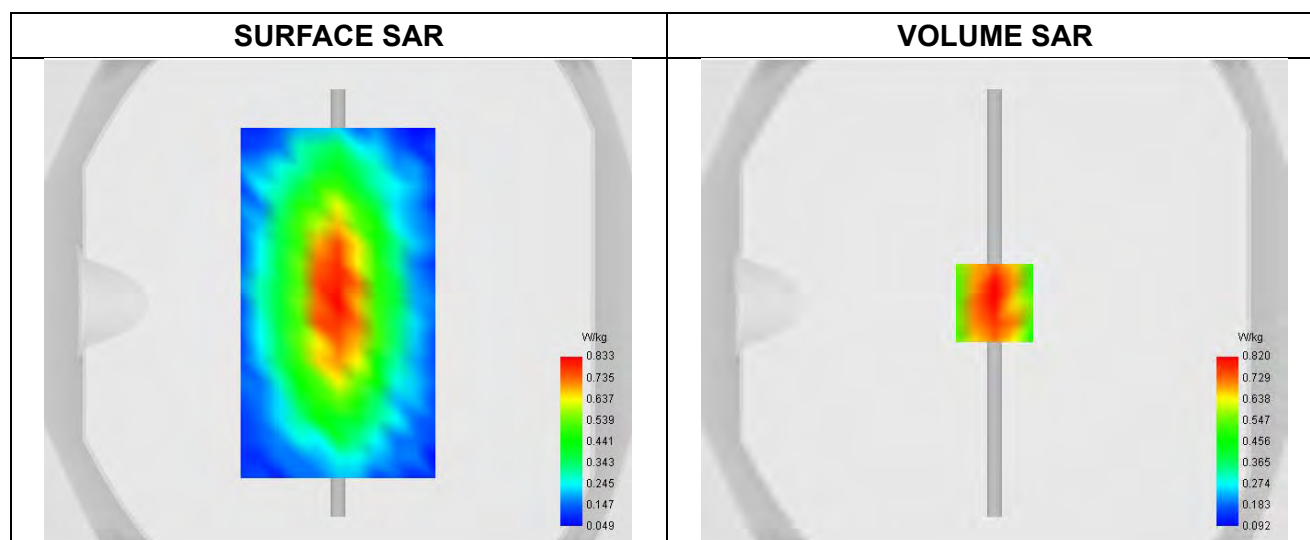
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2024-04-26

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.57
Conductivity (S/m)	0.85
Probe	SN 04/22 EPGO364
ConvF	1.68
Crest factor:	1:1

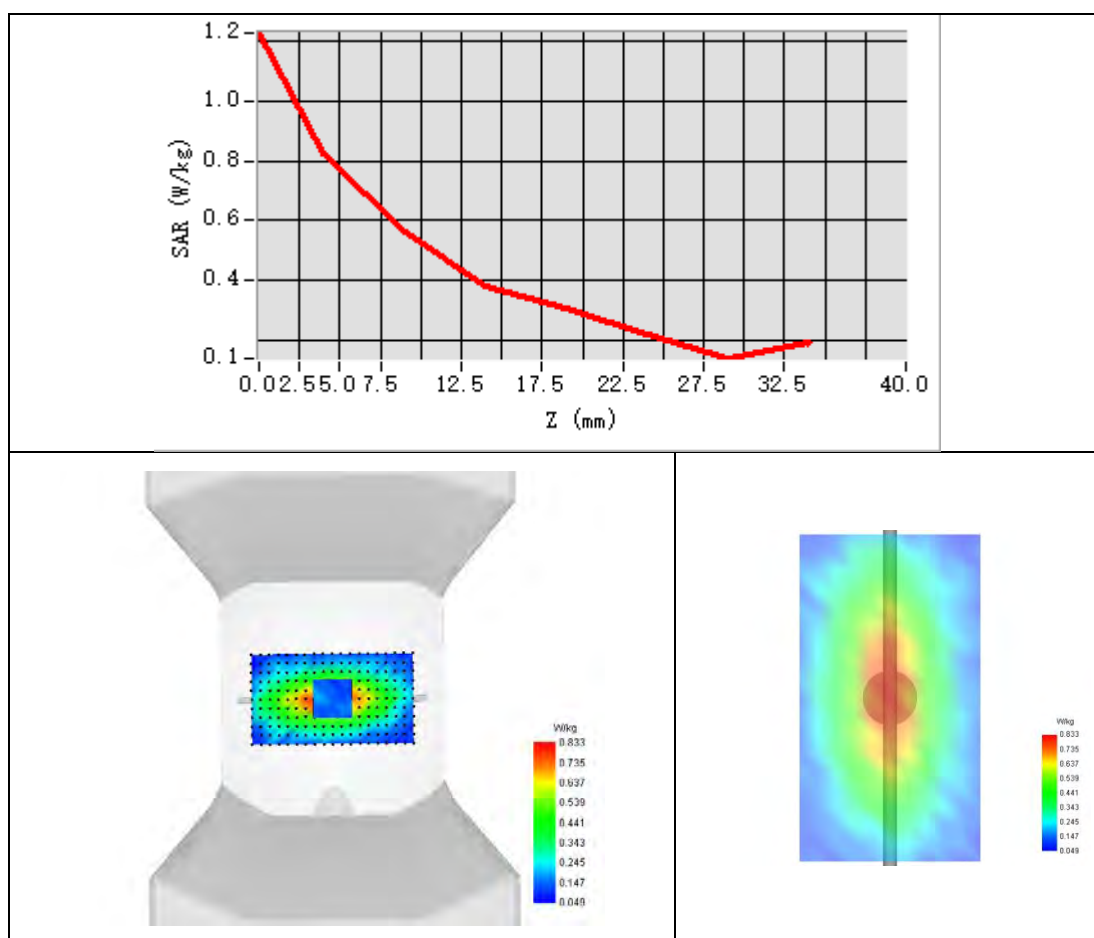


Maximum location: X=5.00, Y=9.00 ; SAR Peak: 1.26 W/kg

SAR 10g (W/Kg)	0.531
SAR 1g (W/Kg)	0.791



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

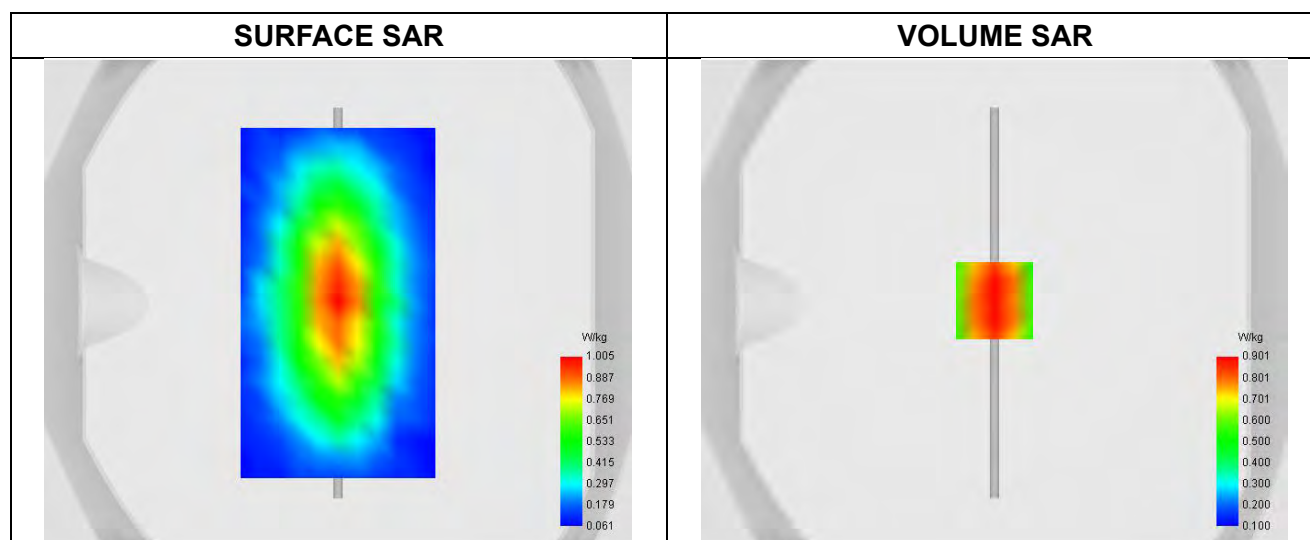
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2024-04-19

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	42.05
Conductivity (S/m)	0.92
Probe	SN 04/22 EPGO364
ConvF	1.70
Crest factor:	1:1

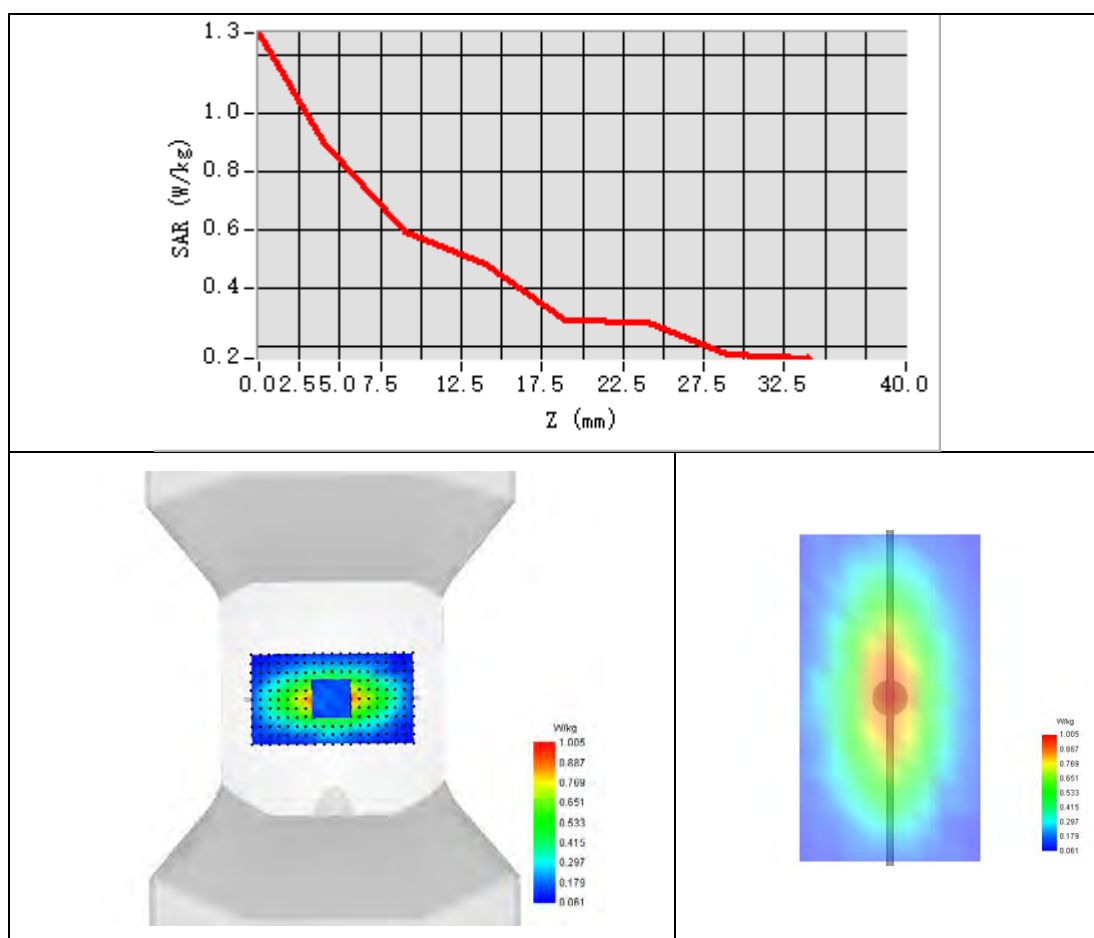


Maximum location: X=2.00, Y=1.00 ; SAR Peak: 1.30 W/kg

SAR 10g (W/Kg)	0.631
SAR 1g (W/Kg)	0.948



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

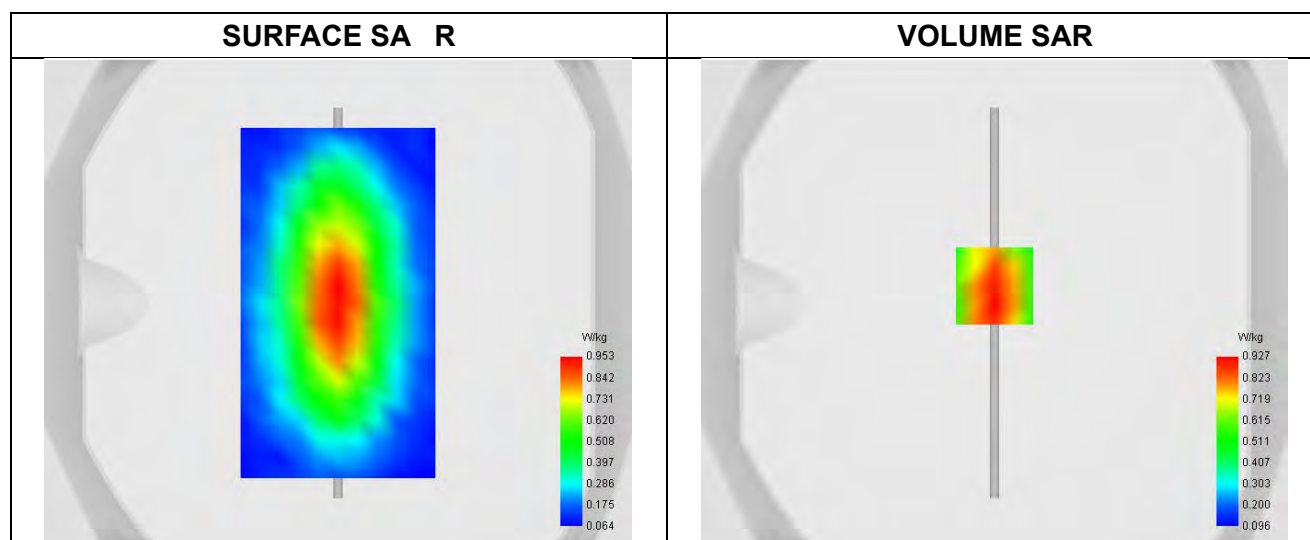
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2024-04-23

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	42.18
Conductivity (S/m)	0.93
Probe	SN 04/22 EPGO364
ConvF	1.70
Crest factor:	1:1

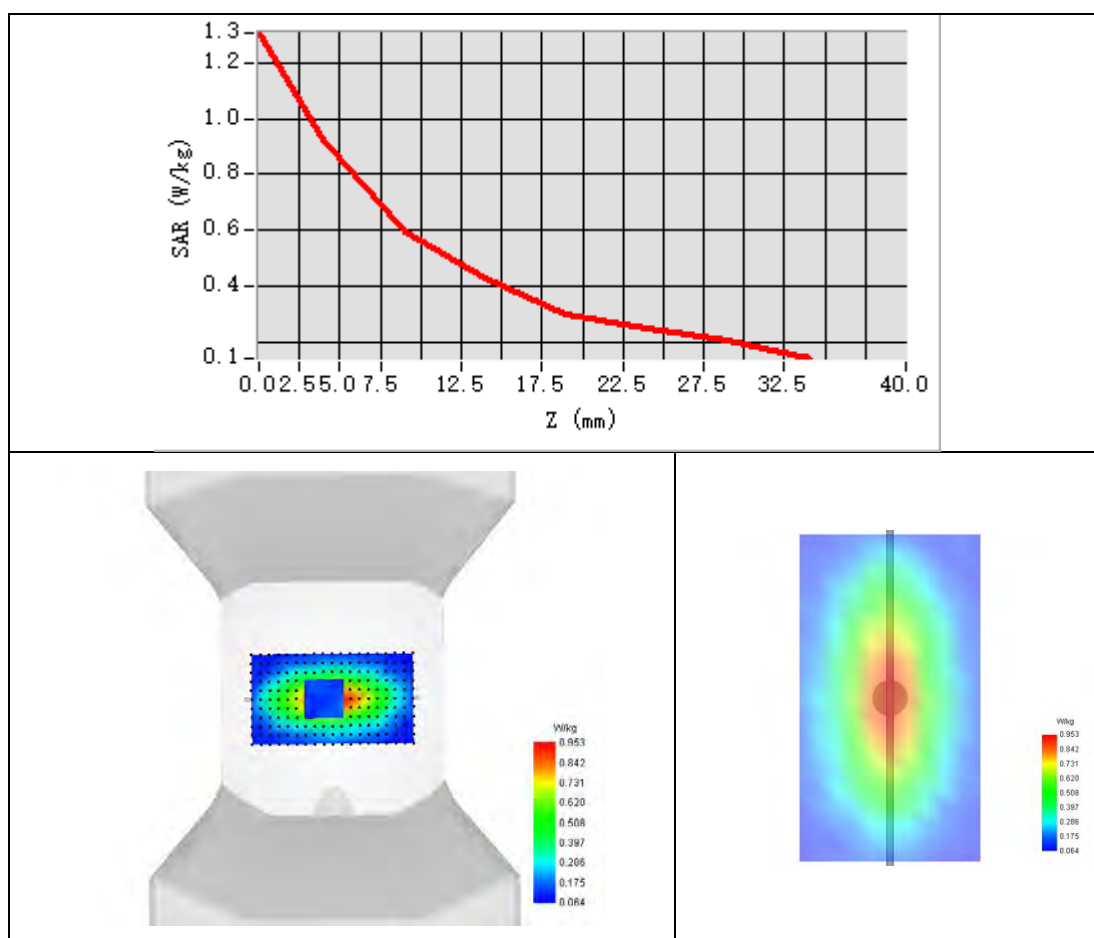


Maximum location: X=0.00, Y=4.00 ; SAR Peak: 1.37 W/kg

SAR 10g (W/Kg)	0.641
SAR 1g (W/Kg)	0.956



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

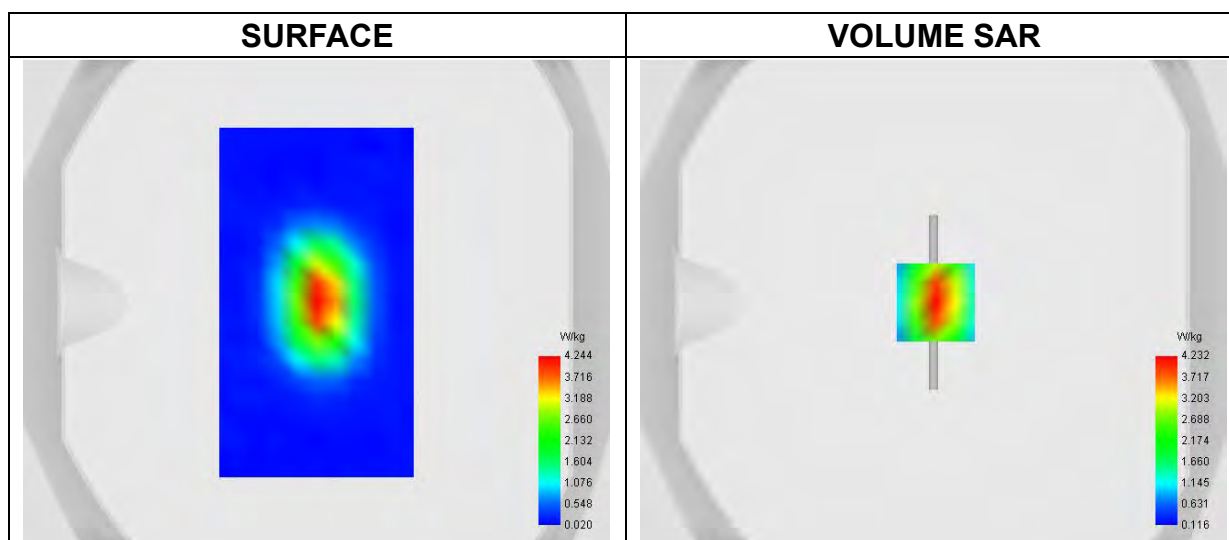
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-04-27

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.20
Conductivity (S/m)	1.43
Probe	SN 04/22 EPGO364
ConvF	1.91
Crest factor:	1:1

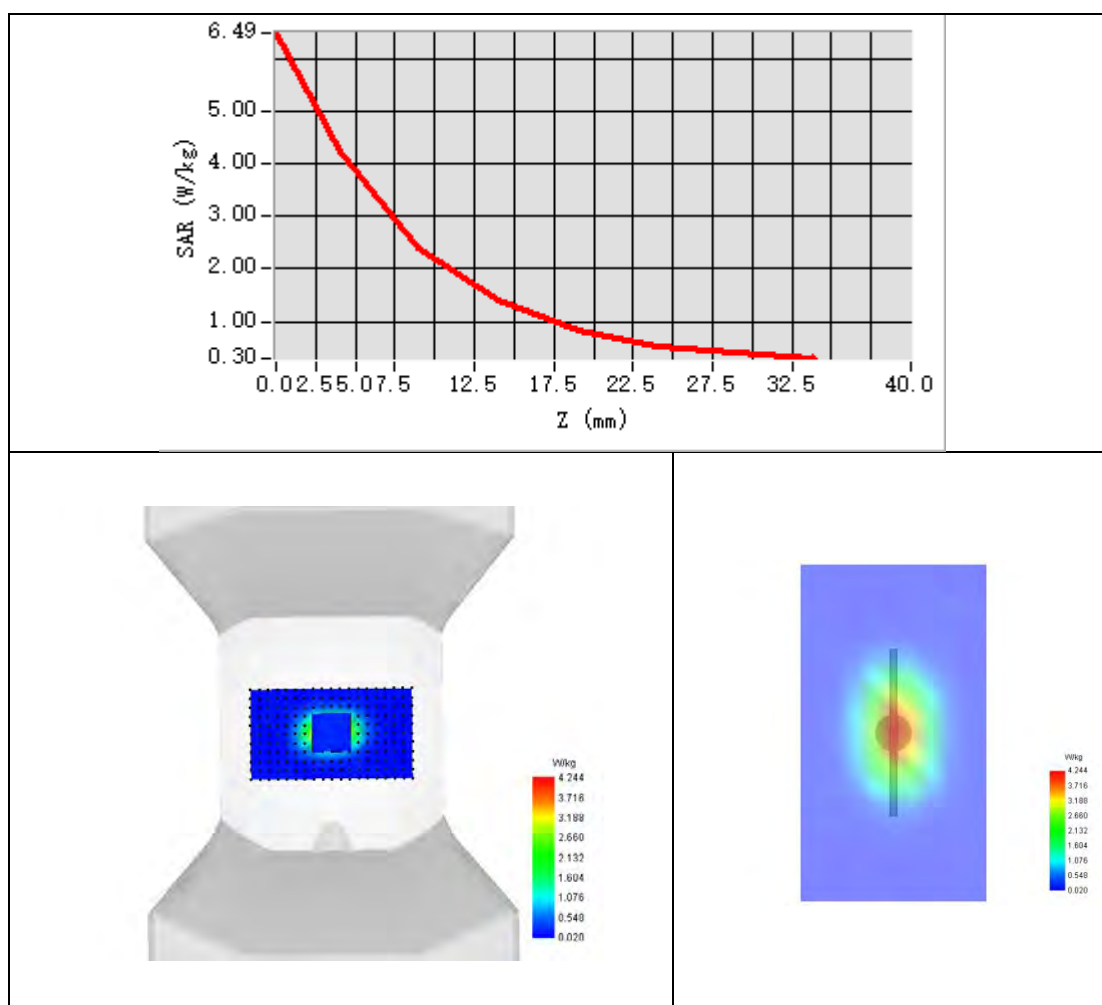


Maximum location: X=1.00, Y=2.00 ; SAR Peak: 6.28 W/kg

SAR 10g (W/Kg)	2.057
SAR 1g (W/Kg)	3.940



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

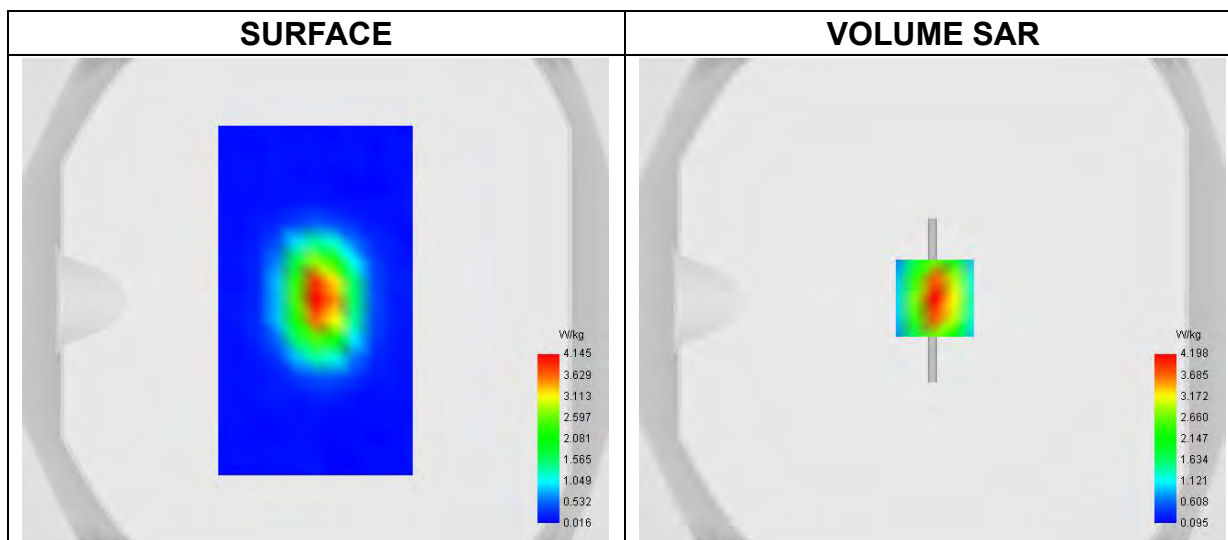
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-04-21

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.51
Conductivity (S/m)	1.45
Probe	SN 04/22 EPGO364
ConvF	1.91
Crest factor:	1:1

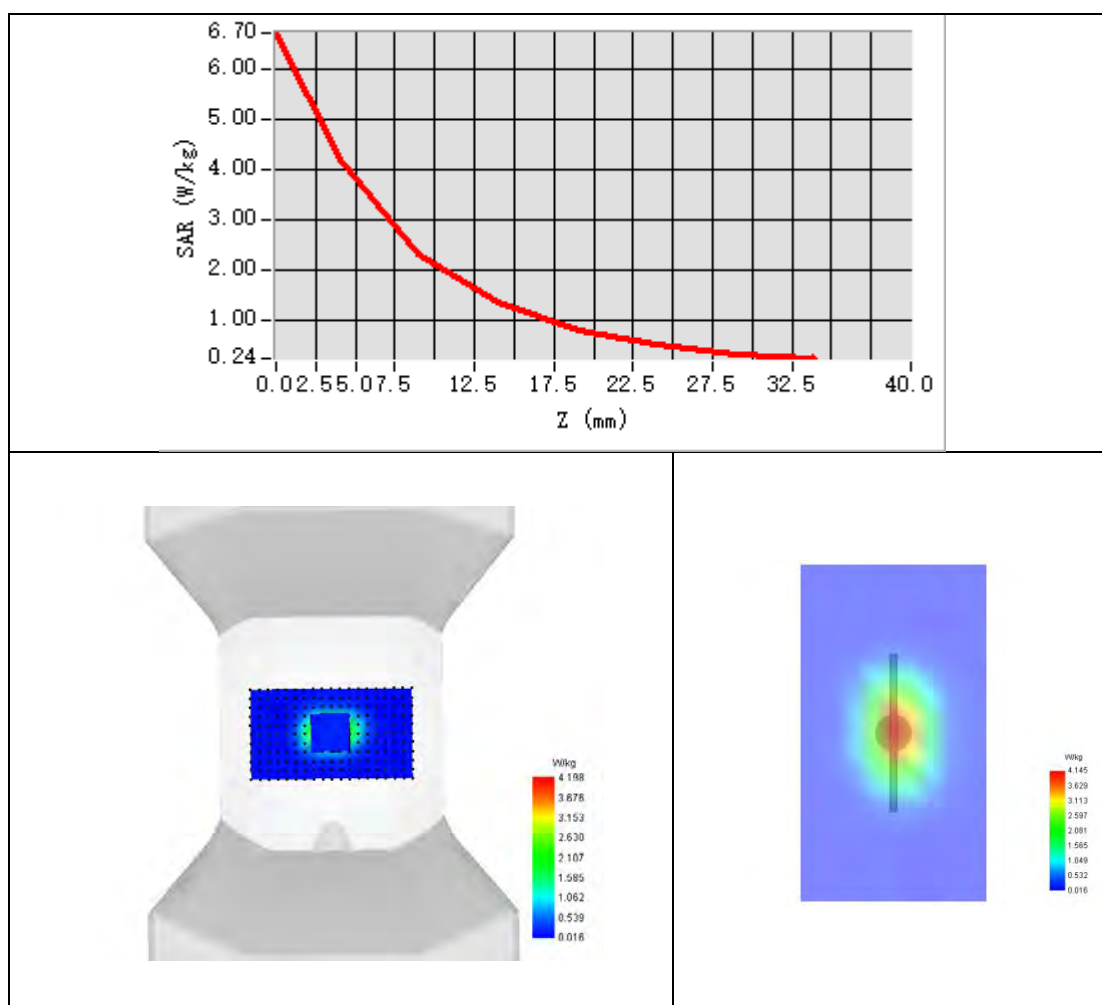


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.54 W/kg

SAR 10g (W/Kg)	2.037
SAR 1g (W/Kg)	3.913



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

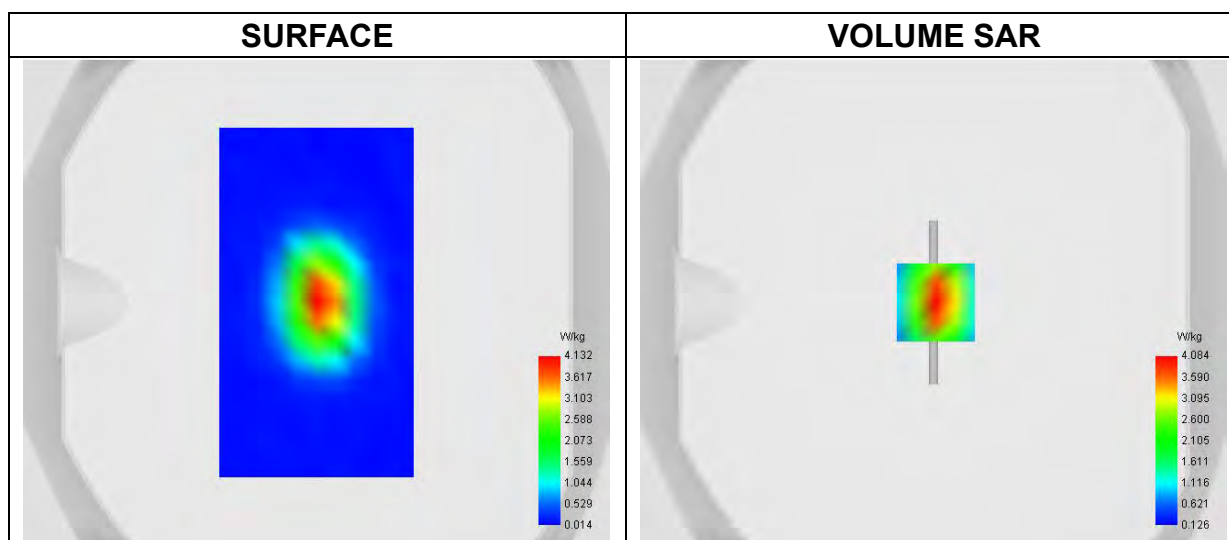
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-04-24

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.65
Conductivity (S/m)	1.44
Probe	SN 04/22 EPGO364
ConvF	2.24
Crest factor:	1:1

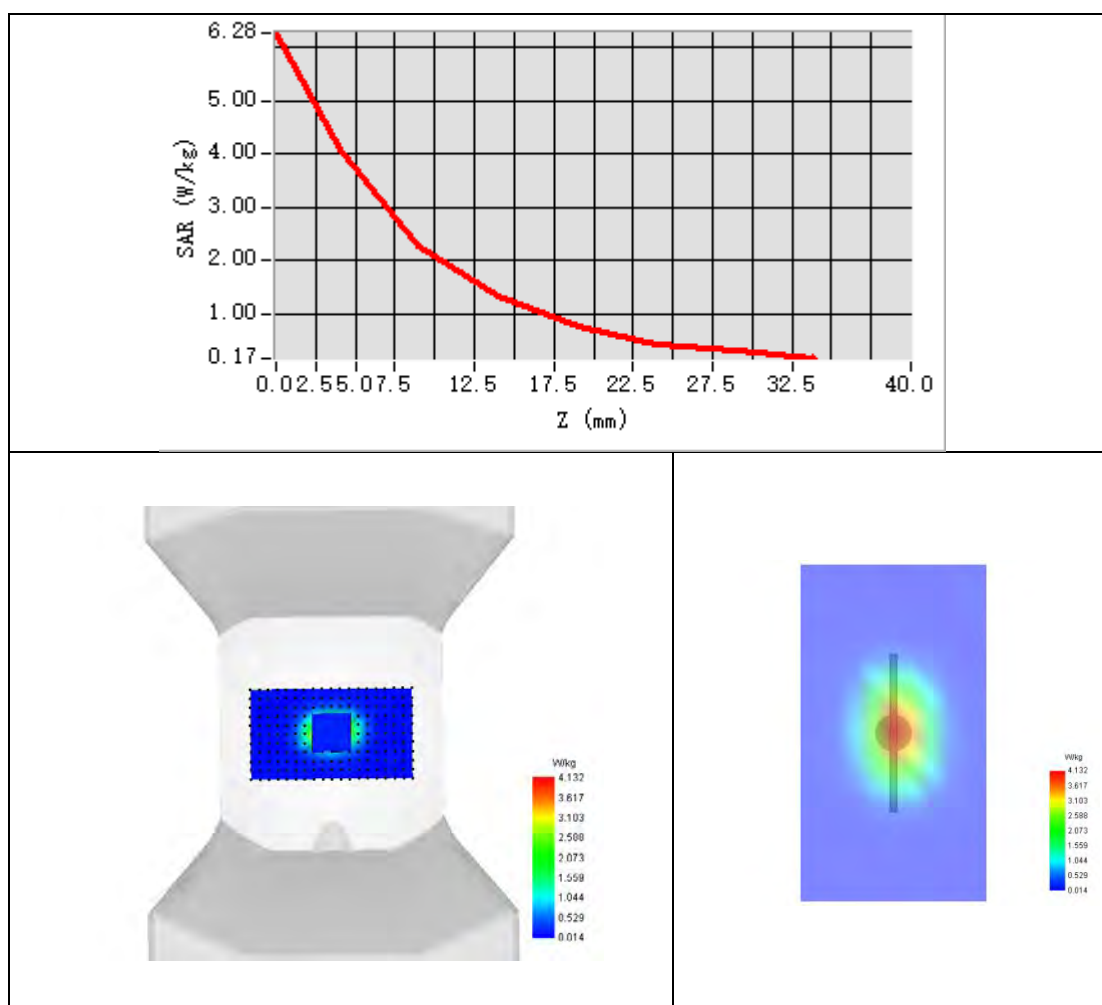


Maximum location: X=5.00, Y=2.00 ; SAR Peak: 6.35 W/kg

SAR 10g (W/Kg)	2.075
SAR 1g (W/Kg)	4.053



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

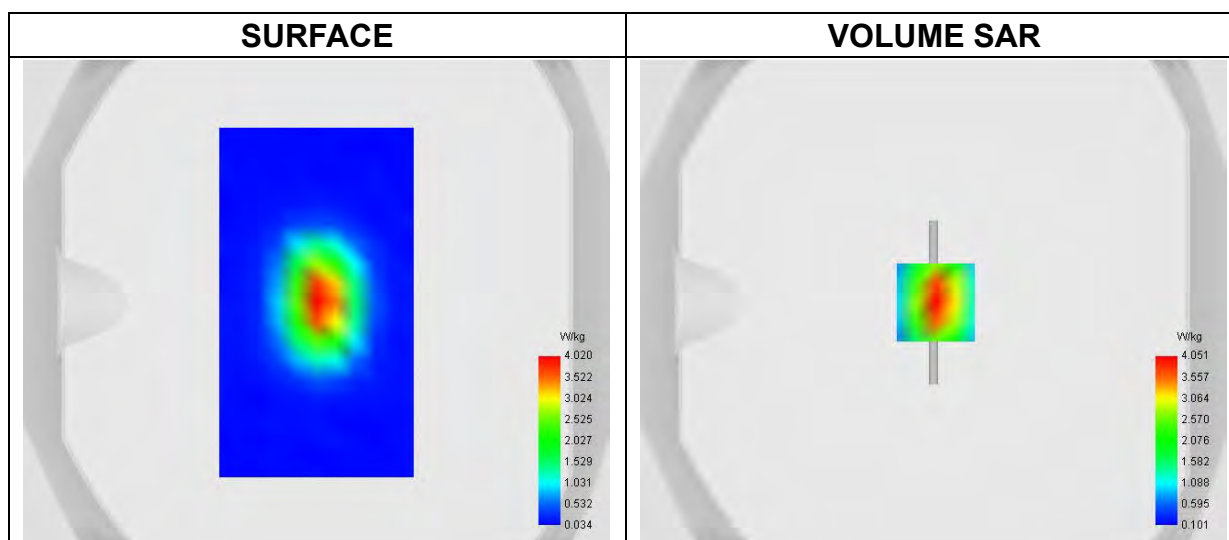
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-04-17

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.67
Conductivity (S/m)	1.43
Probe	SN 04/22 EPGO364
ConvF	2.24
Crest factor:	1:1

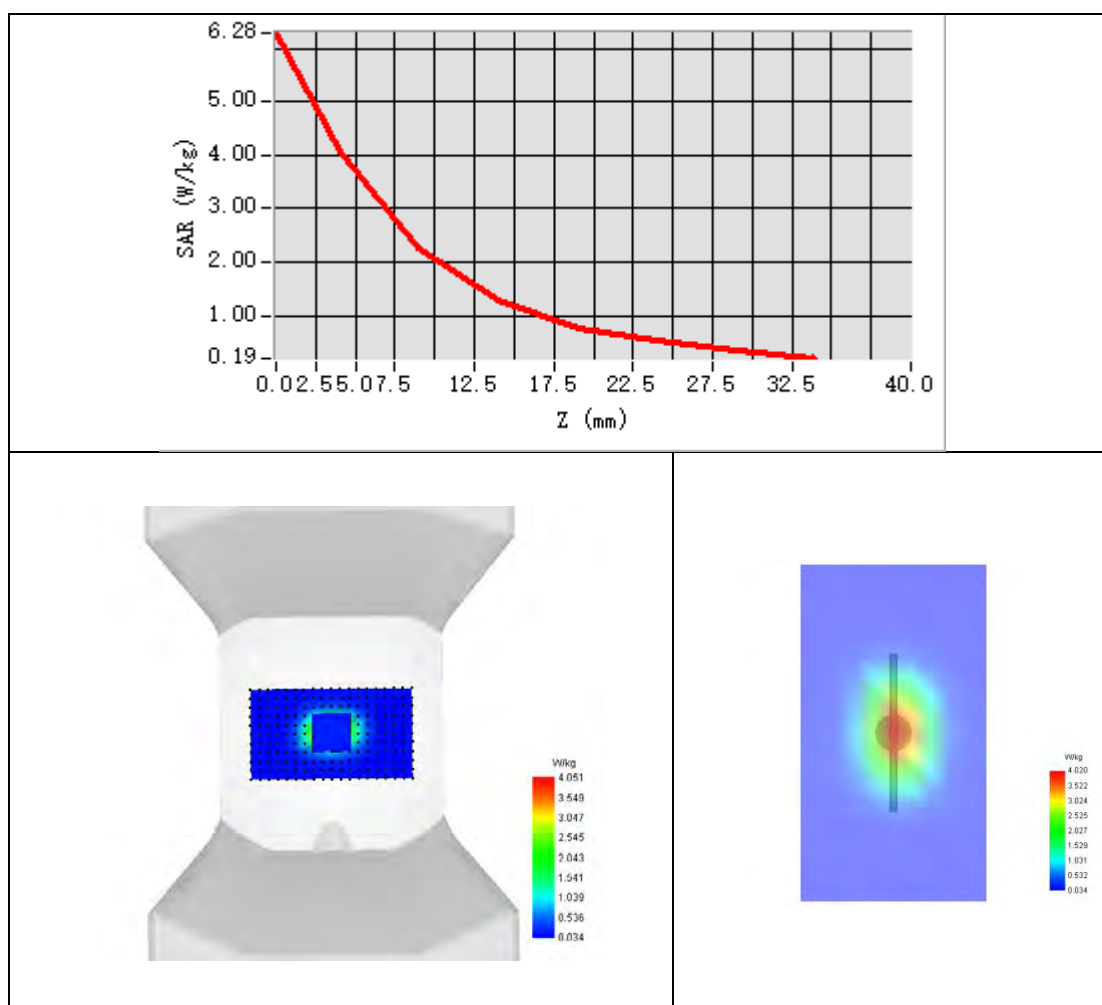


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 6.30 W/kg

SAR 10g (W/Kg)	2.044
SAR 1g (W/Kg)	4.063



Z Axis Scan





System Performance Check Data (2300MHz)

Type: Phone measurement (Complete)

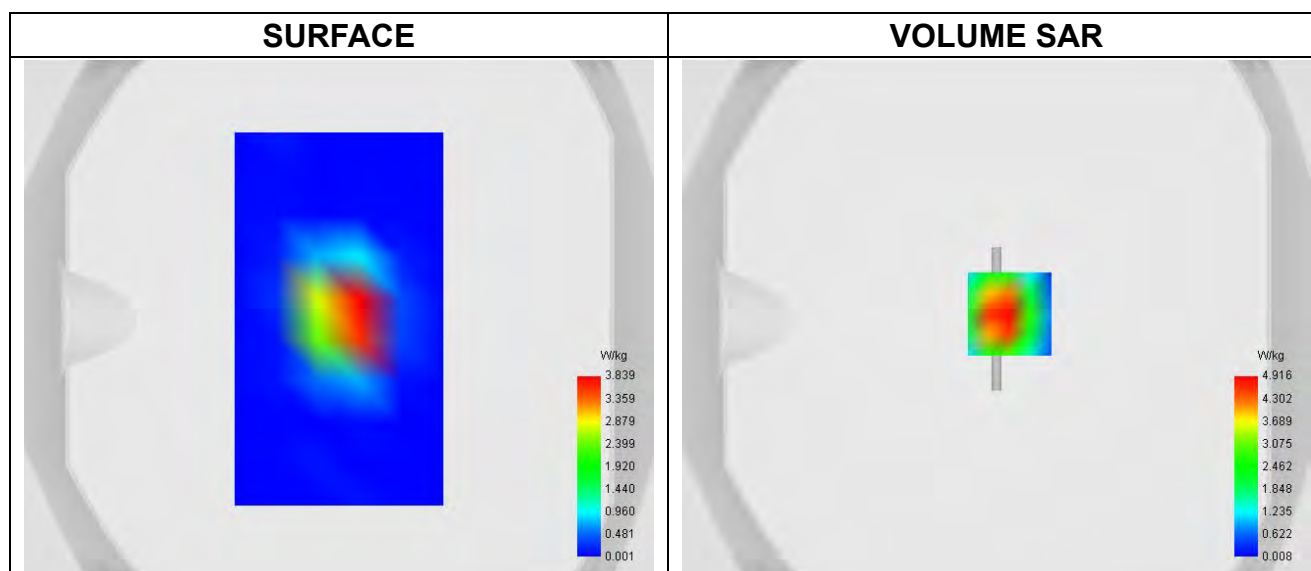
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-04-25

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2300
Channels	Middle
Signal	CW
Frequency (MHz)	2300.000
Relative permittivity	39.83
Conductivity (S/m)	1.72
Probe	SN 04/22 EPGO364
ConvF	2.31
Crest factor:	1:1

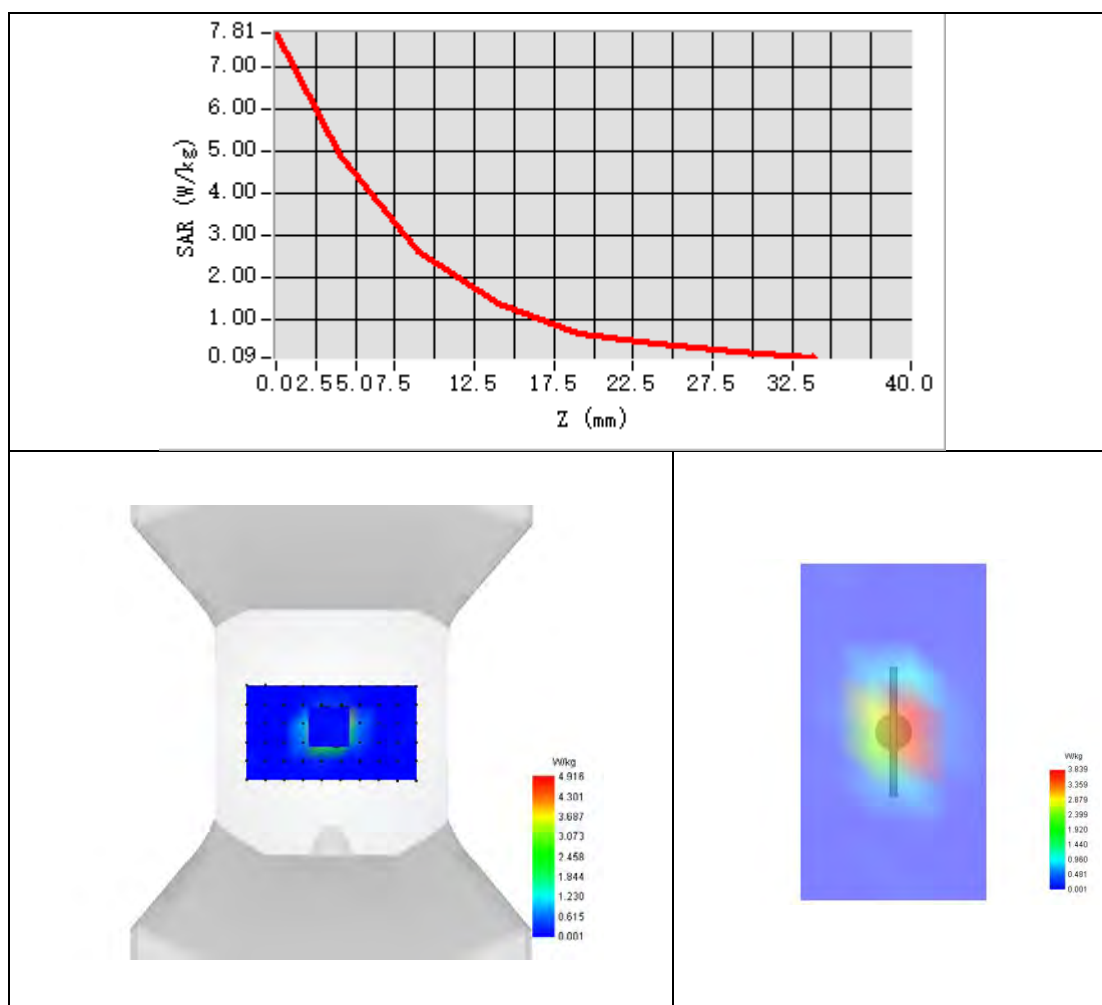


Maximum location: X=2.00, Y=2.00 ; SAR Peak: 8.30 W/kg

SAR 10g (W/Kg)	2.277
SAR 1g (W/Kg)	5.125



Z Axis Scan





System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

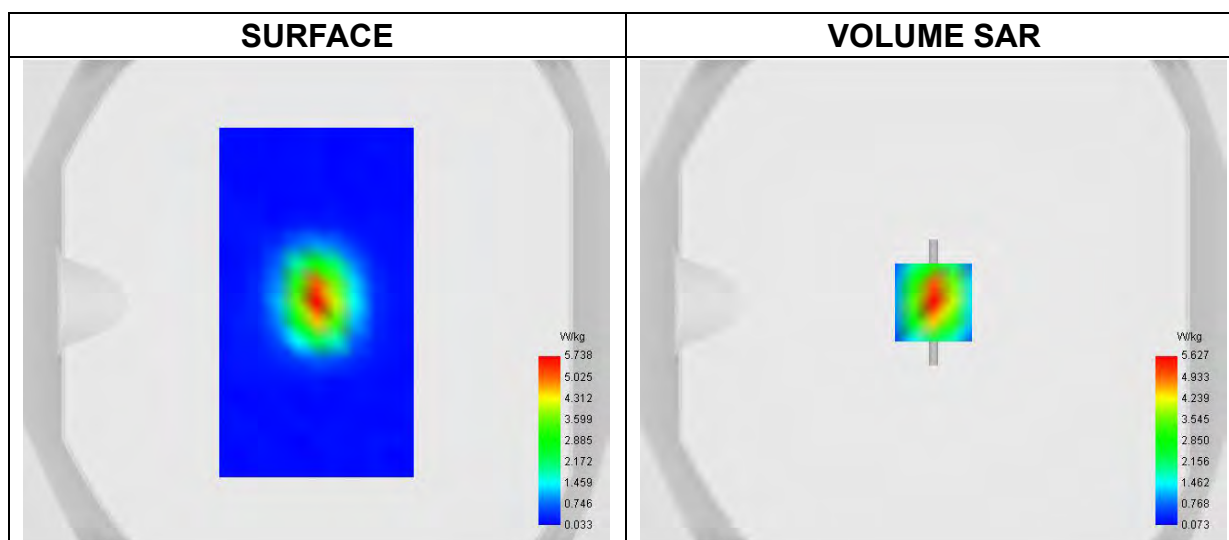
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-04-30

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	39.34
Conductivity (S/m)	1.77
Probe	SN 04/22 EPGO364
ConvF	2.30
Crest factor:	1:1

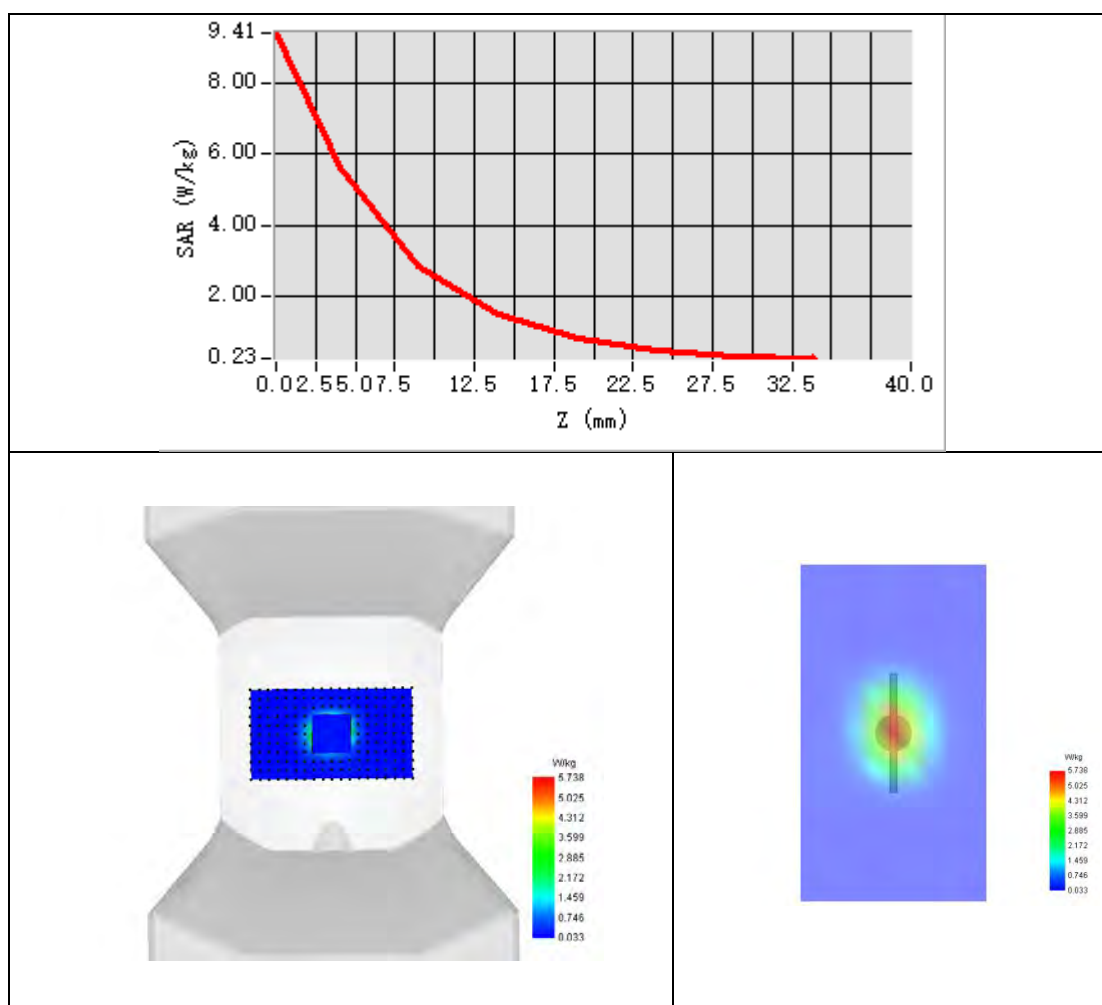


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 9.42 W/kg

SAR 10g (W/Kg)	2.395
SAR 1g (W/Kg)	5.397



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

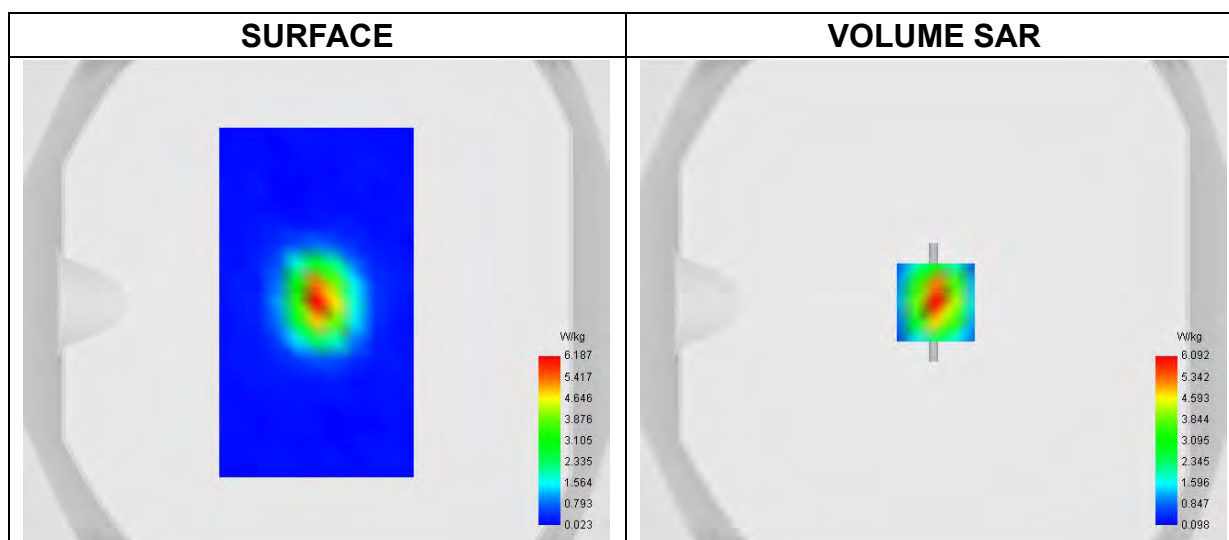
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-04-22

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	40.36
Conductivity (S/m)	1.94
Probe	SN 04/22 EPGO364
ConvF	2.35
Crest factor:	1:1

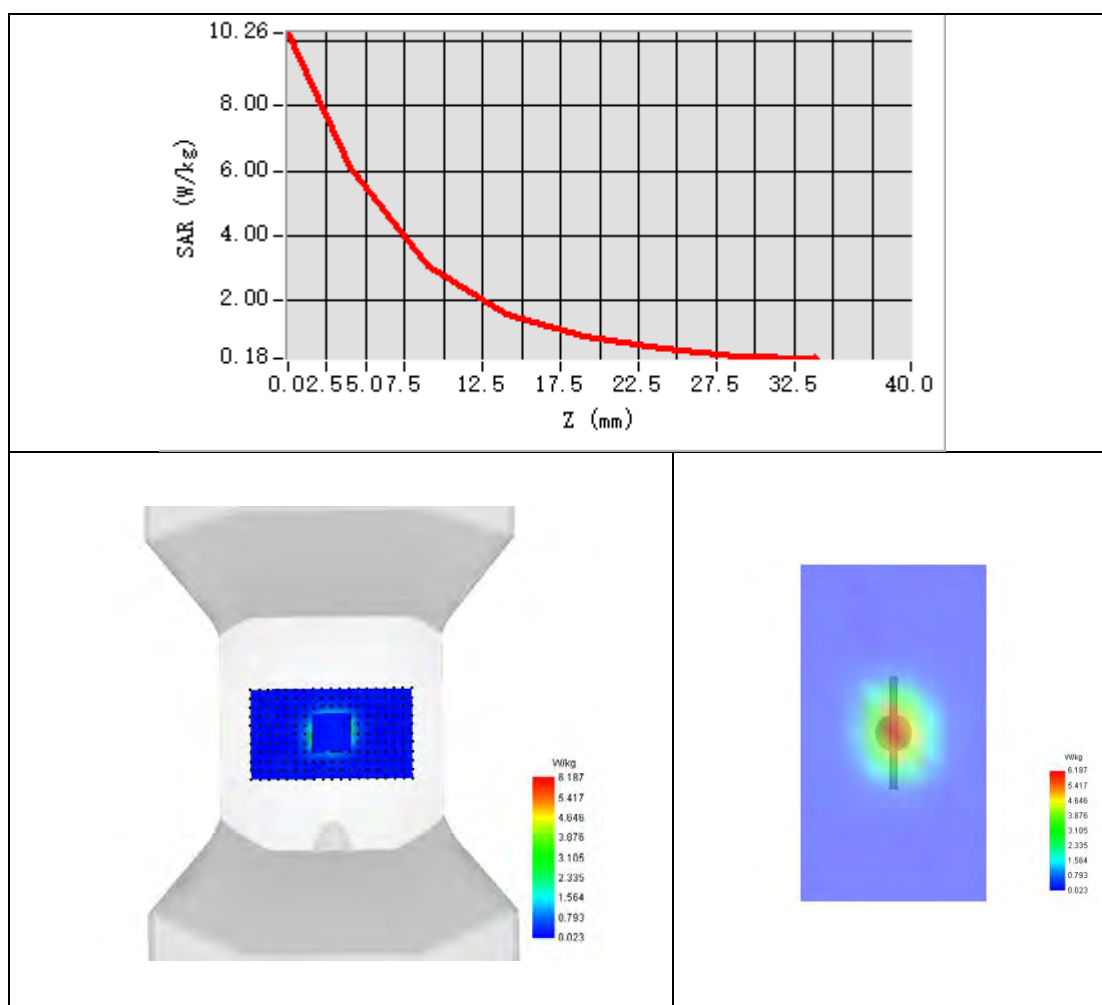


Maximum location: X=1.00, Y=3.00 ; SAR Peak: 10.21 W/kg

SAR 10g (W/Kg)	2.430
SAR 1g (W/Kg)	5.645



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

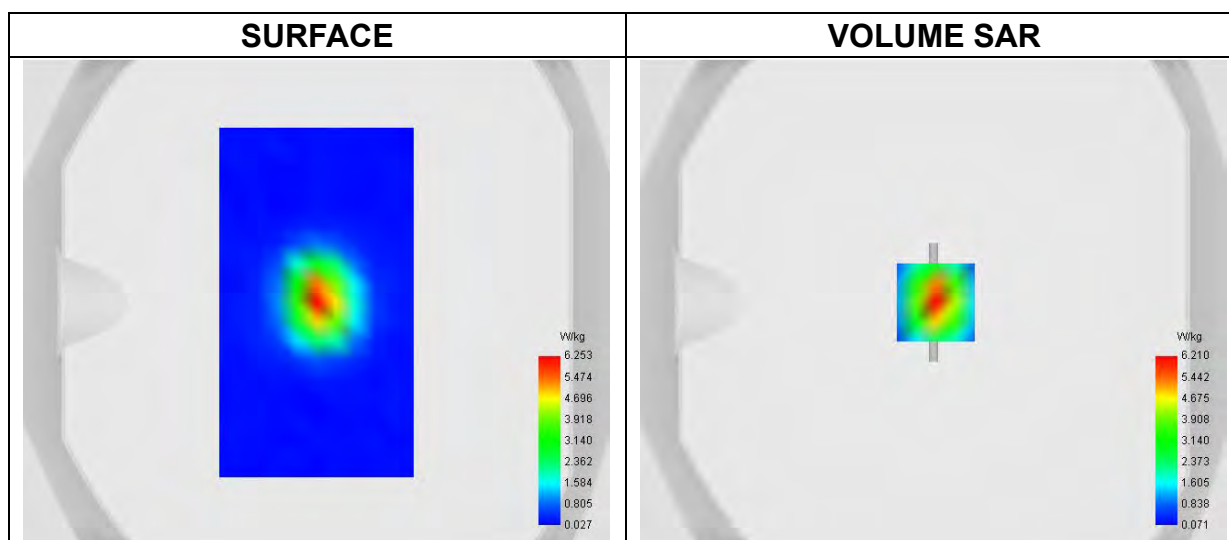
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-04-28

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.36
Conductivity (S/m)	1.97
Probe	SN 04/22 EPGO364
ConvF	2.35
Crest factor:	1:1

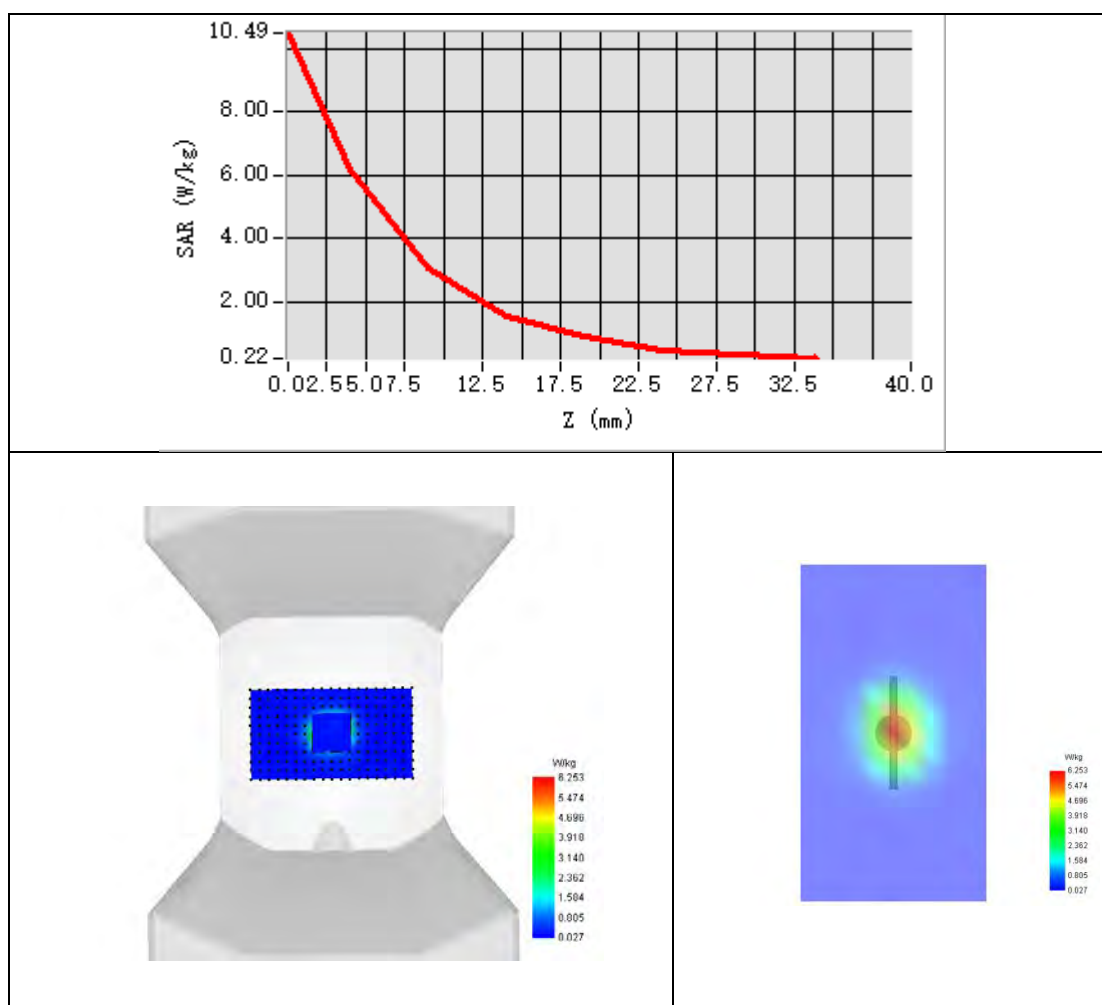


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 10.41 W/kg

SAR 10g (W/Kg)	2.425
SAR 1g (W/Kg)	5.676



Z Axis Scan





System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)

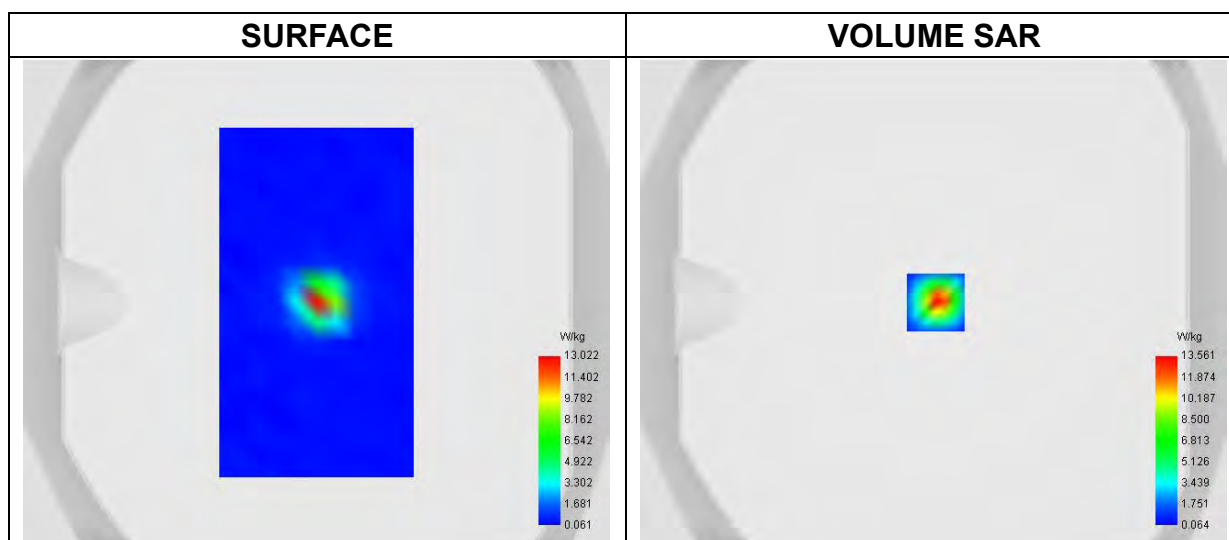
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-04-29

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200.000
Relative permittivity	37.13
Conductivity (S/m)	4.64
Probe	SN 04/22 EPGO364
ConvF	1.98
Crest factor:	1:1

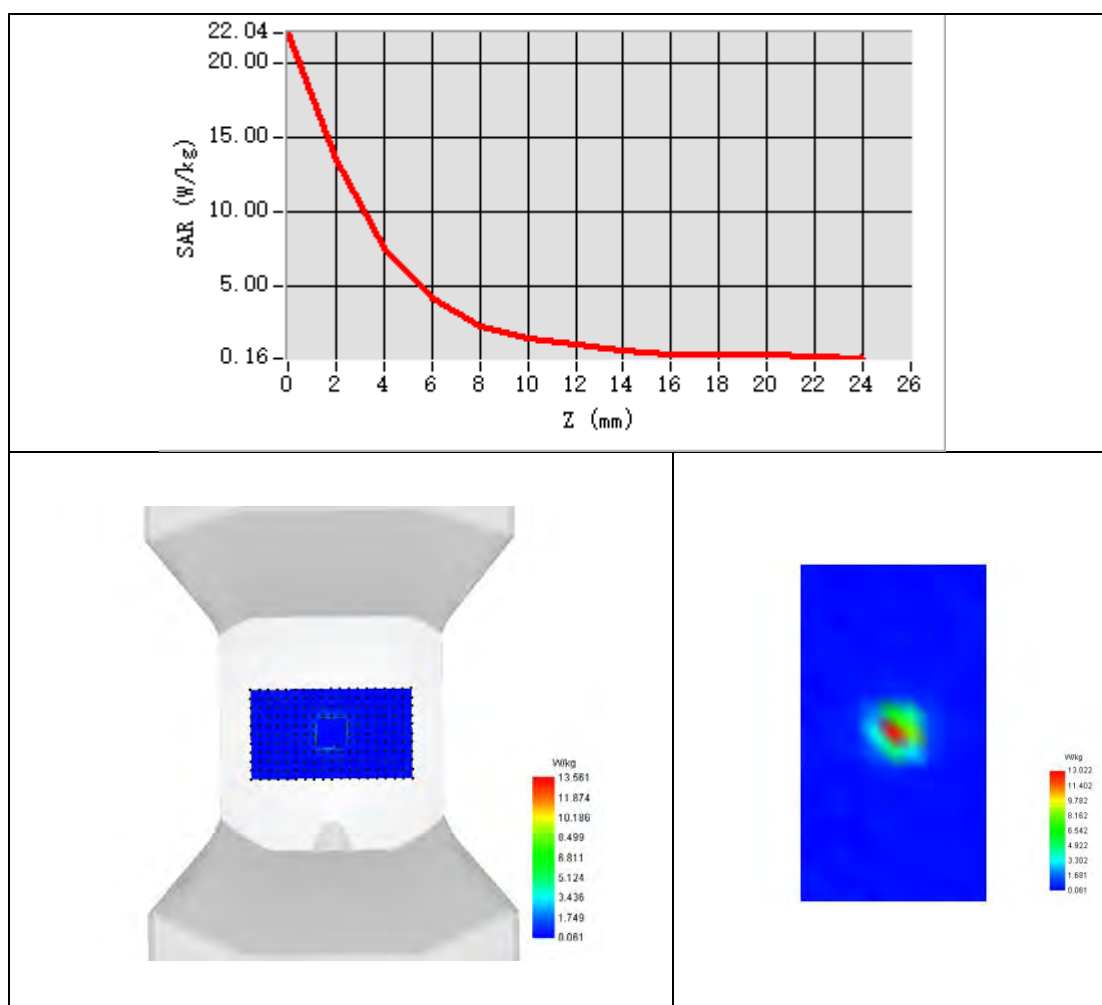


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 23.00 W/kg

SAR 10g (W/Kg)	2.206
SAR 1g (W/Kg)	7.741



Z Axis Scan





System Performance Check Data (5400MHz)

Type: Phone measurement (Complete)

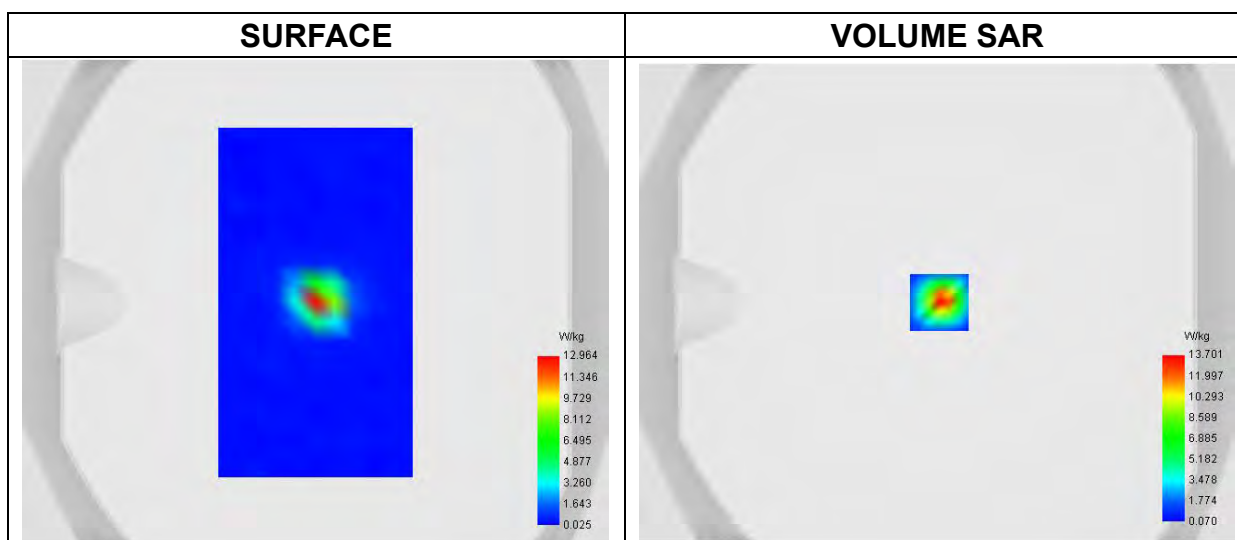
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-05-02

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Channels	Middle
Signal	CW
Frequency (MHz)	5400.000
Relative permittivity	36.21
Conductivity (S/m)	4.90
Probe	SN 04/22 EPGO364
ConvF	1.83
Crest factor:	1:1

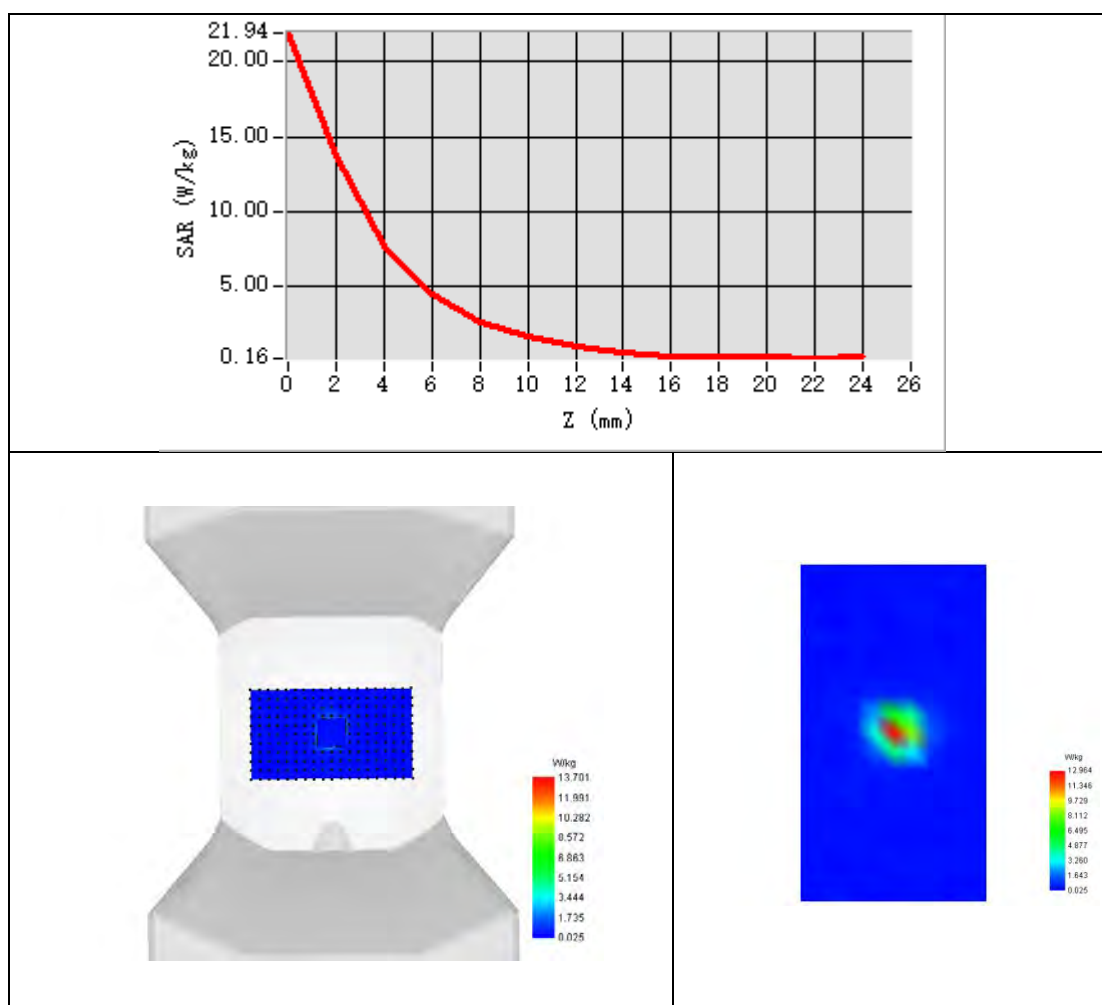


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 24.03 W/kg

SAR 10g (W/Kg)	2.250
SAR 1g (W/Kg)	8.059



Z Axis Scan





System Performance Check Data (5600MHz)

Type: Phone measurement (Complete)

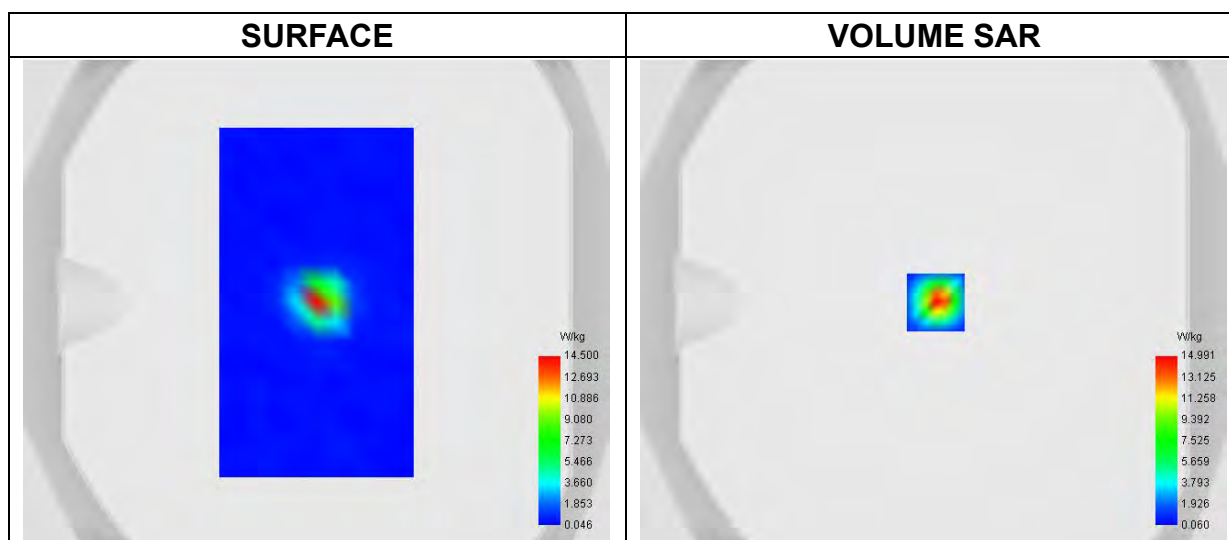
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-05-02

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels	Middle
Signal	CW
Frequency (MHz)	5600.000
Relative permittivity	35.94
Conductivity (S/m)	5.13
Probe	SN 04/22 EPGO364
ConvF	1.86
Crest factor:	1:1

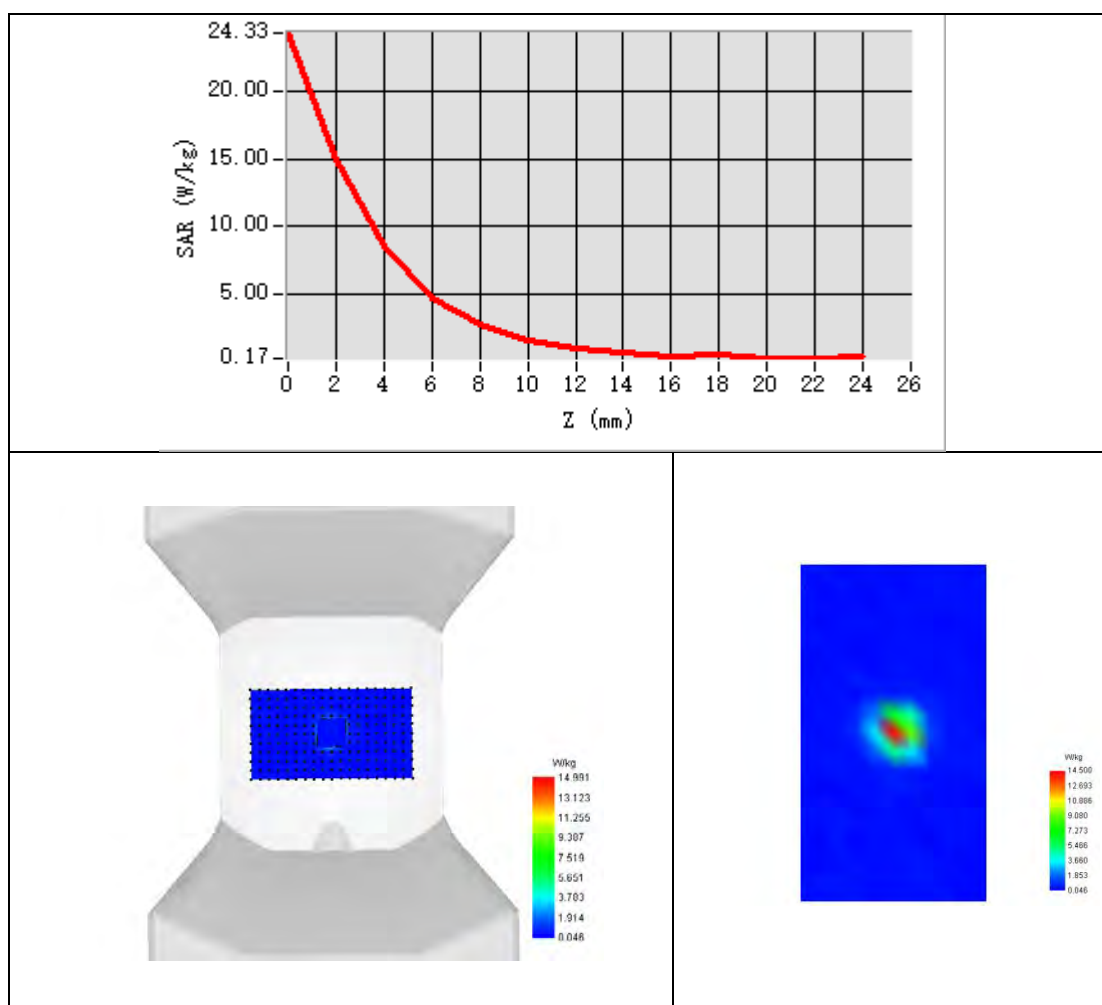


Maximum location: X=-5.00, Y=5.00 ; SAR Peak: 25.45 W/kg

SAR 10g (W/Kg)	2.224
SAR 1g (W/Kg)	7.815



Z Axis Scan





System Performance Check Data (5800MHz)

Type: Phone measurement (Complete)

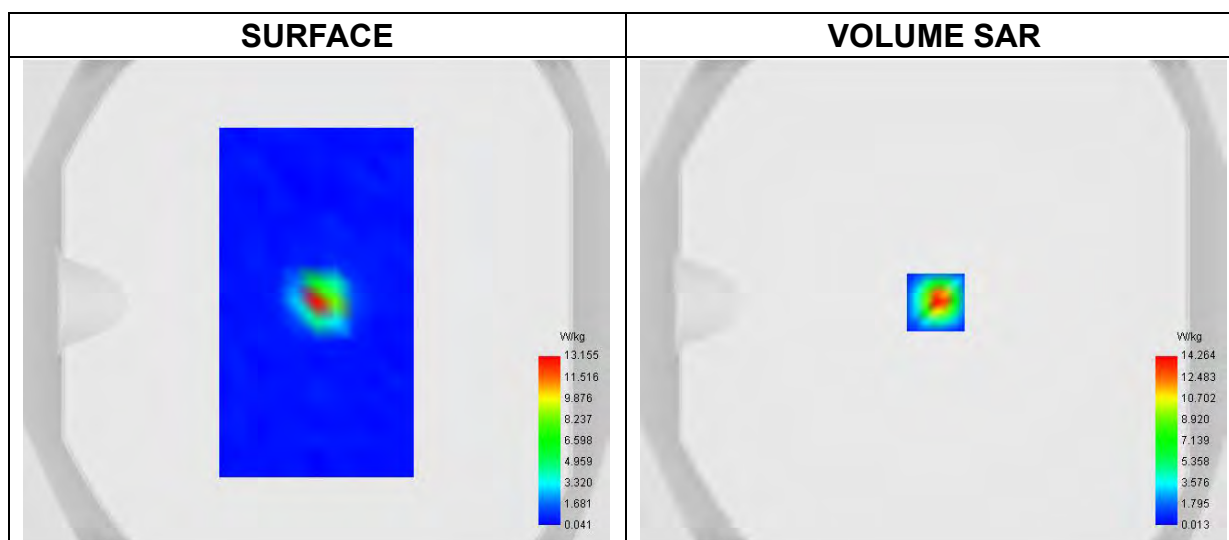
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-05-03

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW
Frequency (MHz)	5800.000
Relative permittivity	36.09
Conductivity (S/m)	5.23
Probe	SN 04/22 EPGO364
ConvF	1.71
Crest factor:	1:1

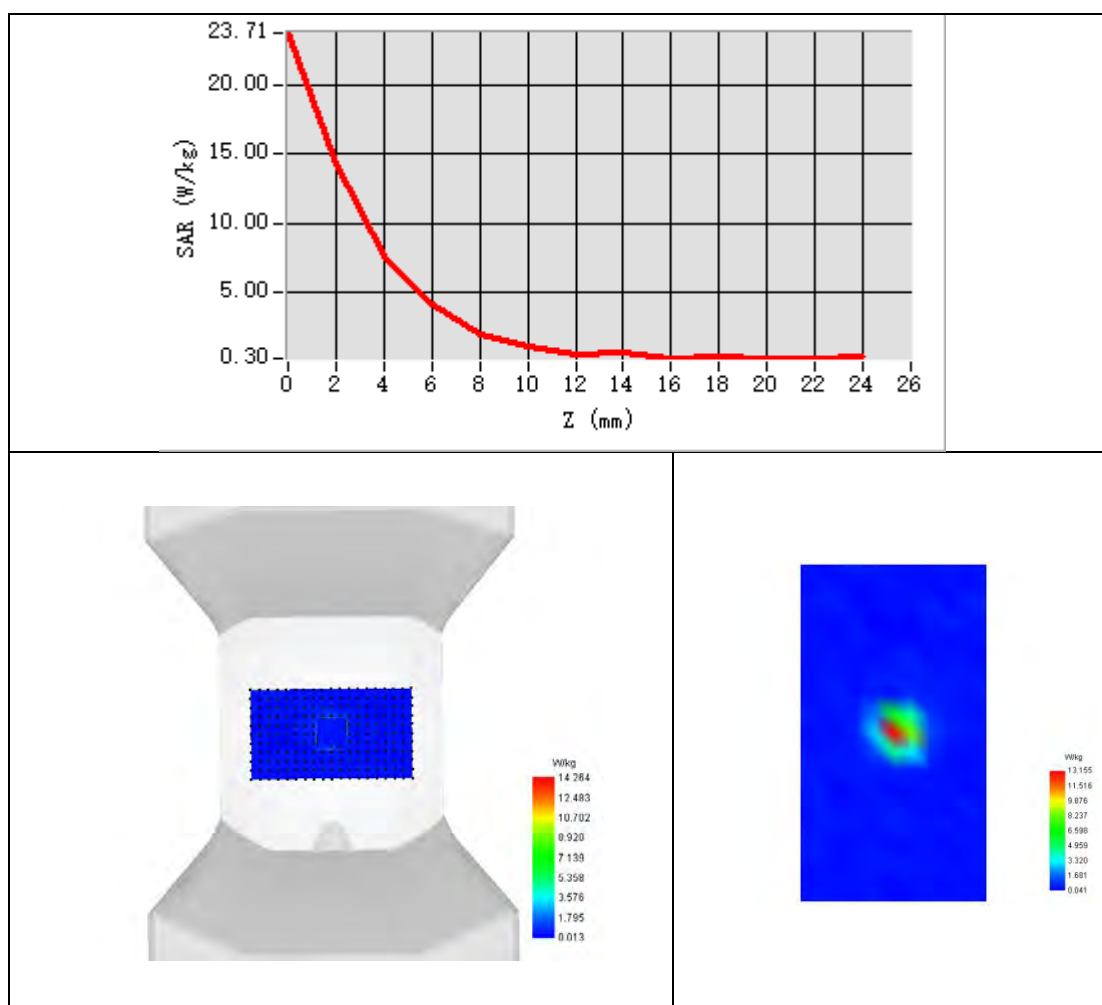


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 24.72 W/kg

SAR 10g (W/Kg)	2.122
SAR 1g (W/Kg)	7.513



Z Axis Scan



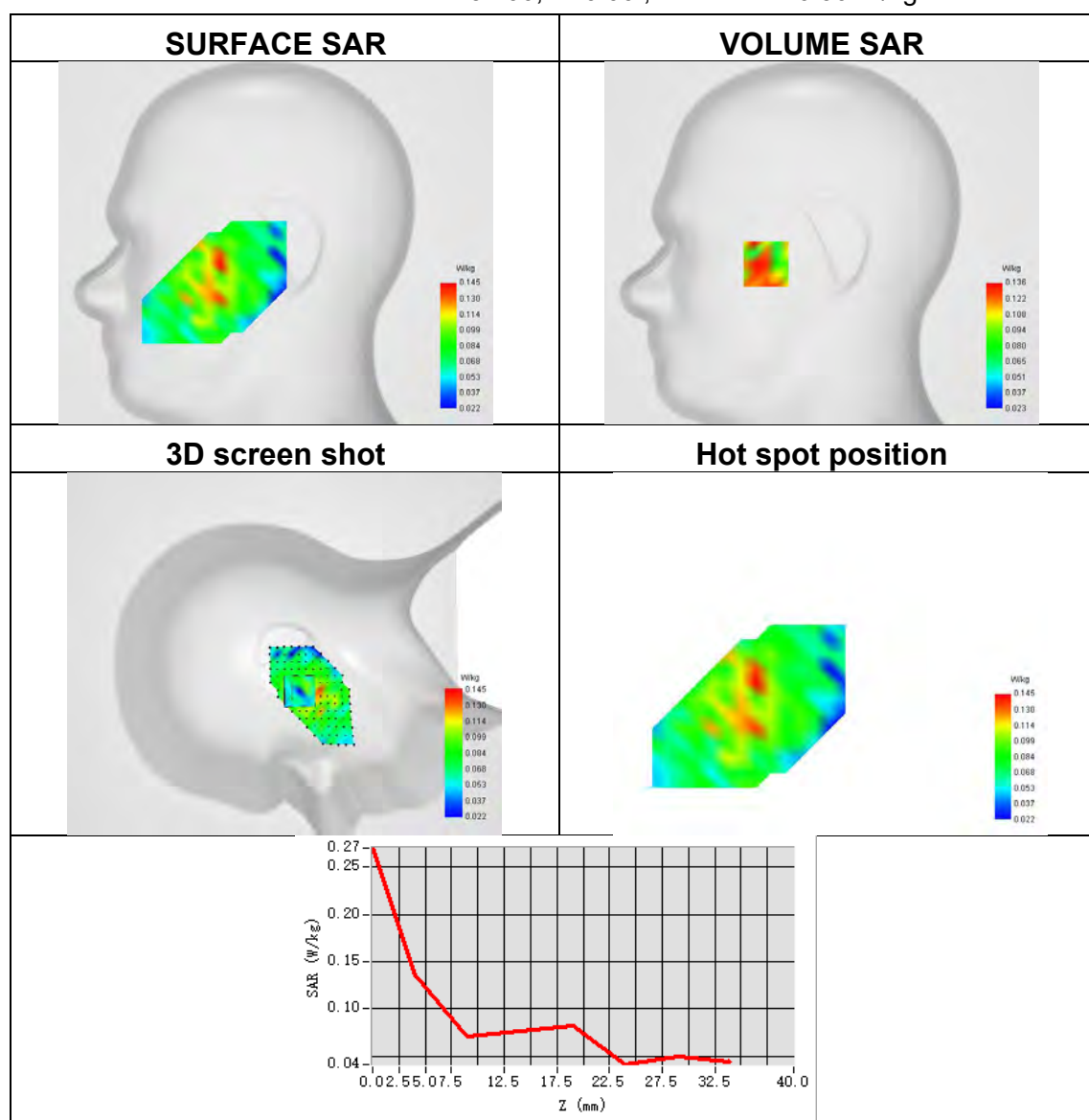


Appendix B. SAR Test Plots

Plot 1:

Test Date	2024-04-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	GSM850
Signal	TDMA (GSM)
Frequency	836.6
SAR 10g (W/Kg)	0.094
SAR 1g (W/Kg)	0.165
ConvF	1.70
Relative permittivity	42.05
Conductivity (S/m)	0.92

Maximum location: X=-32.00, Y=0.00 ; SAR Peak: 0.30 W/kg

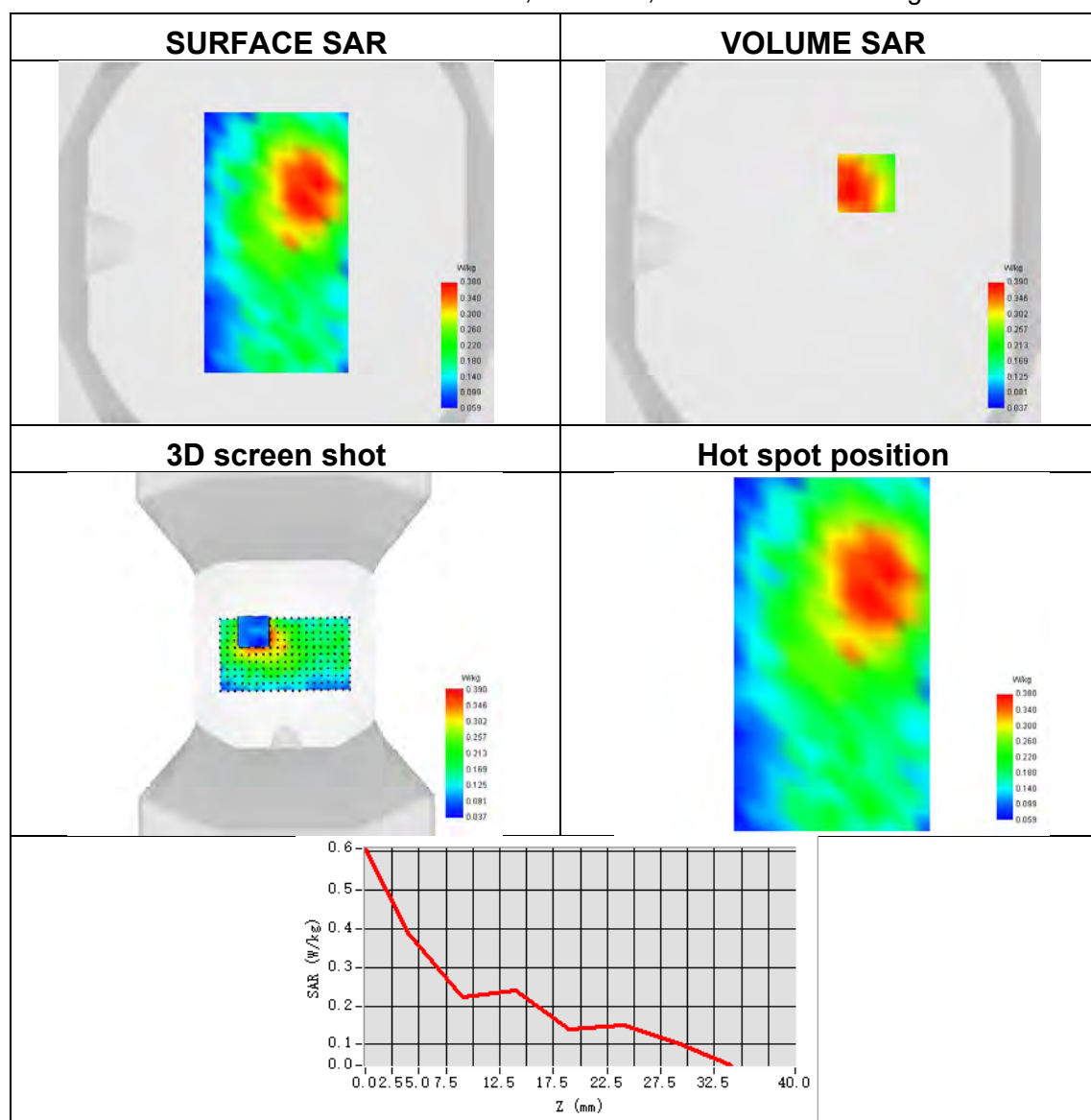




Plot 2:

Test Date	2024-04-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	GPRS850
Signal	TDMA (GPRS)
Frequency	836.6
SAR 10g (W/Kg)	0.227
SAR 1g (W/Kg)	0.369
ConvF	1.70
Relative permittivity	42.05
Conductivity (S/m)	0.92

Maximum location: X=24.00, Y=33.00 ; SAR Peak: 0.52 W/kg

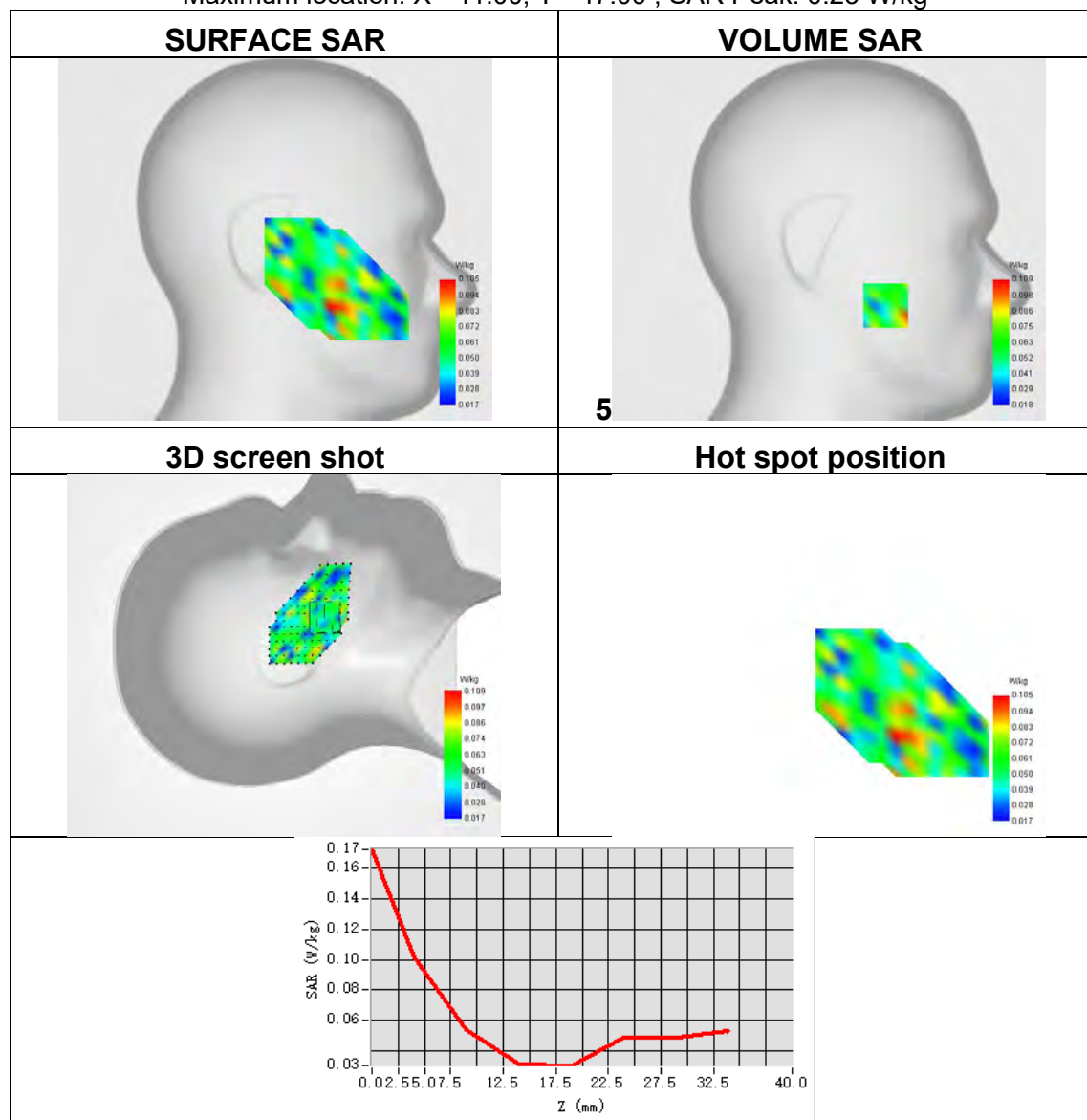




Plot 3:

Test Date	2024-04-24
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	GSM1900
Signal	TDMA (GSM)
Frequency	1880
SAR 10g (W/Kg)	0.049
SAR 1g (W/Kg)	0.091
ConvF	2.24
Relative permittivity	40.65
Conductivity (S/m)	1.44

Maximum location: X=-41.00, Y=-47.00 ; SAR Peak: 0.23 W/kg

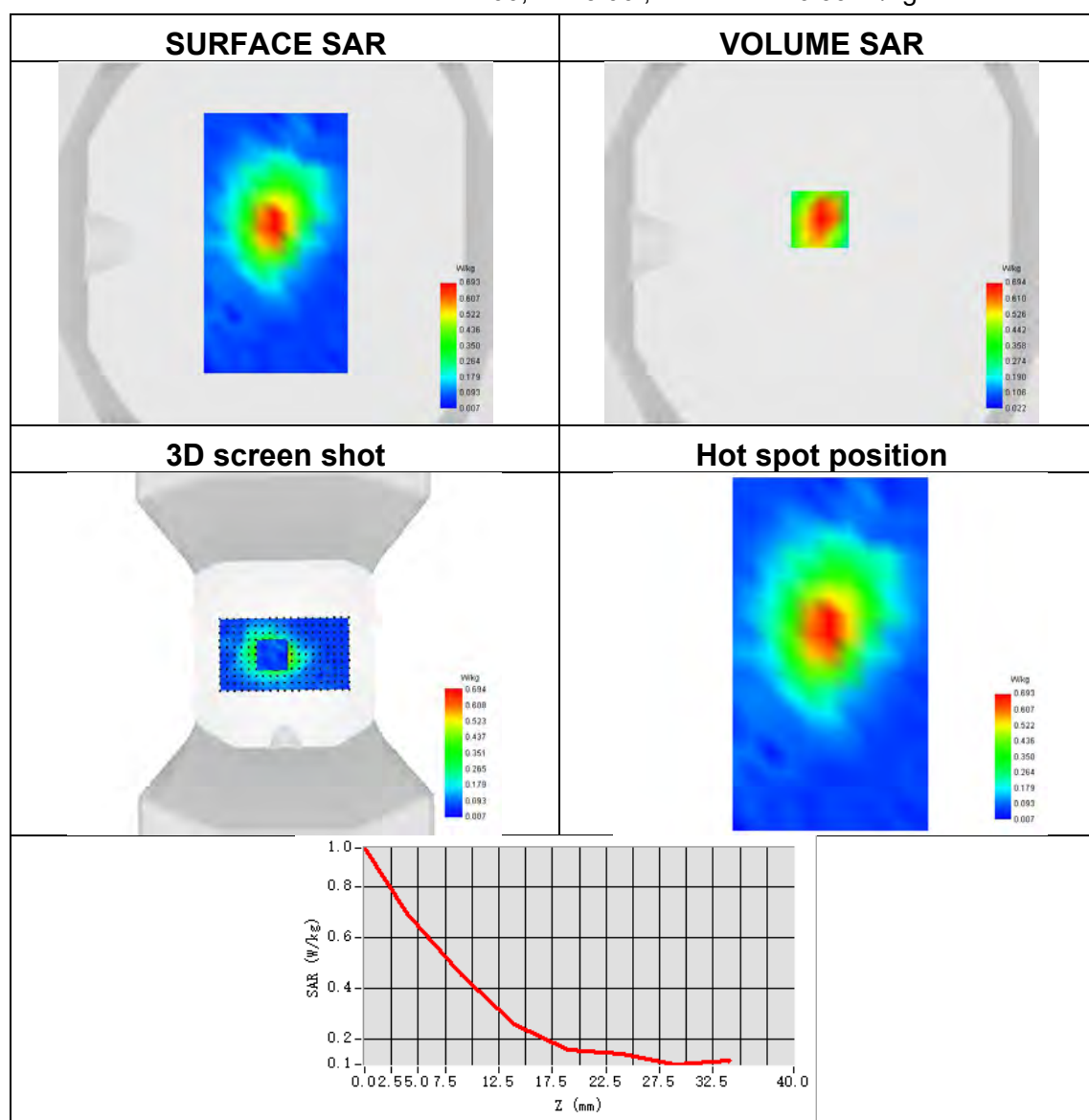




Plot 4:

Test Date	2024-04-24
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	GPRS1900
Signal	TDMA (GPRS)
Frequency	1880
SAR 10g (W/Kg)	0.371
SAR 1g (W/Kg)	0.645
ConvF	2.24
Relative permittivity	40.65
Conductivity (S/m)	1.44

Maximum location: X=-1.00, Y=13.00 ; SAR Peak: 0.99 W/kg

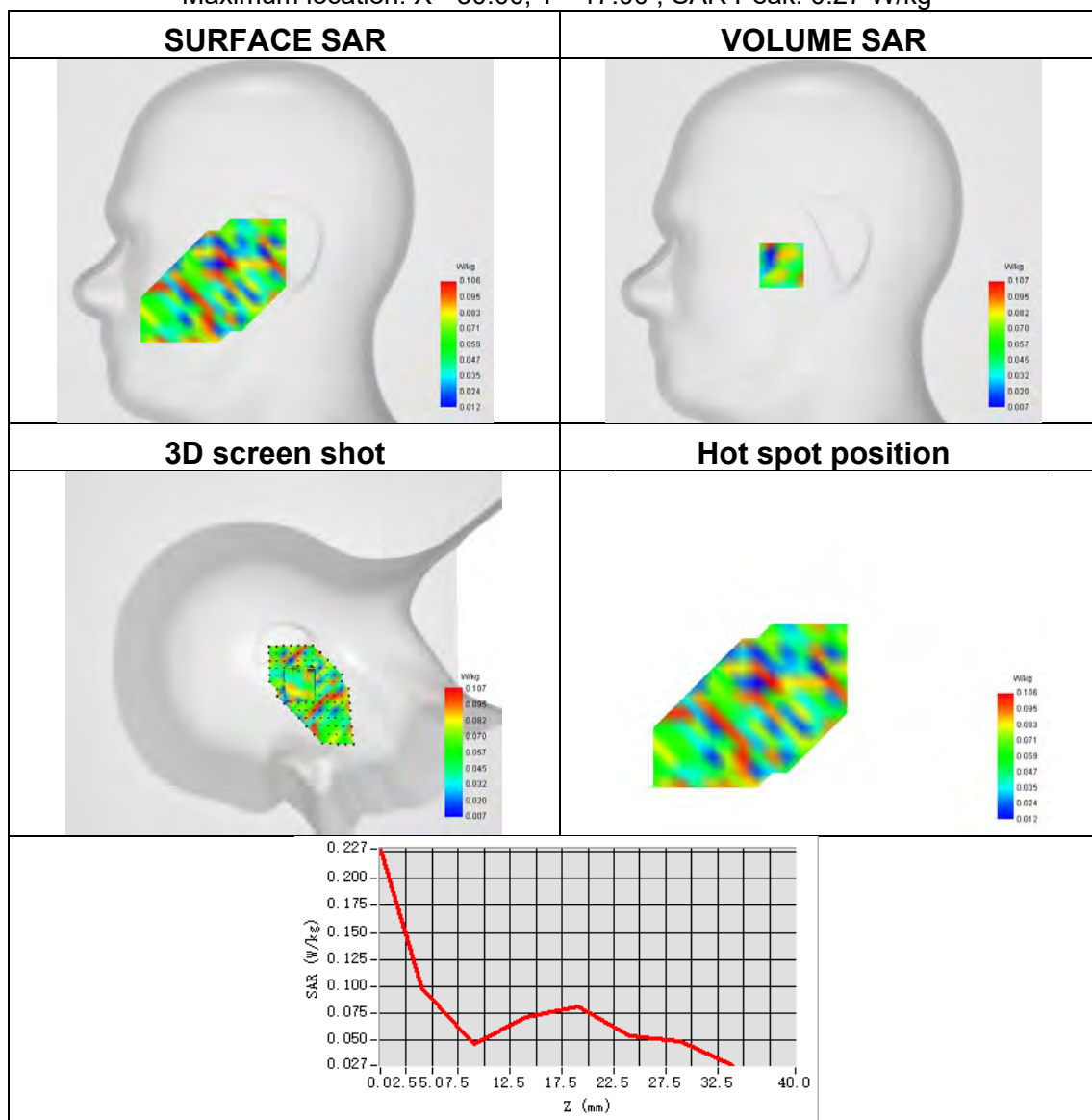




Plot 5:

Test Date	2024-04-24
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	Band 2 (1900)
Signal	HSDPA
Frequency	1880
SAR 10g (W/Kg)	0.053
SAR 1g (W/Kg)	0.107
ConvF	2.24
Relative permittivity	40.65
Conductivity (S/m)	1.44

Maximum location: X=-30.00, Y=-17.00 ; SAR Peak: 0.27 W/kg

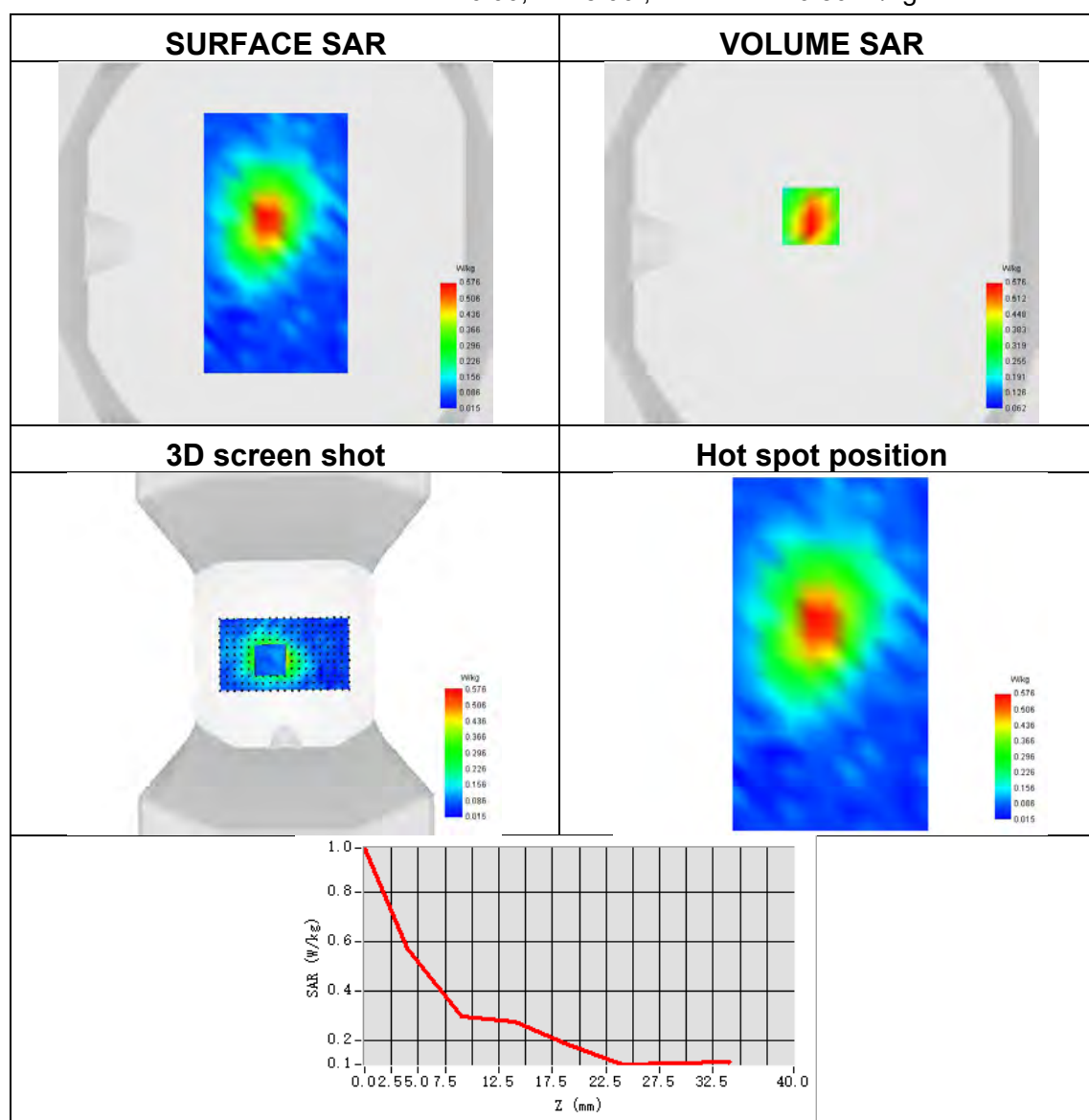




Plot 6:

Test Date	2024-04-24
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	Band 2 (1900)
Signal	HSDPA
Frequency	1880
SAR 10g (W/Kg)	0.328
SAR 1g (W/Kg)	0.548
ConvF	2.24
Relative permittivity	40.65
Conductivity (S/m)	1.44

Maximum location: X=-6.00, Y=15.00 ; SAR Peak: 0.80 W/kg

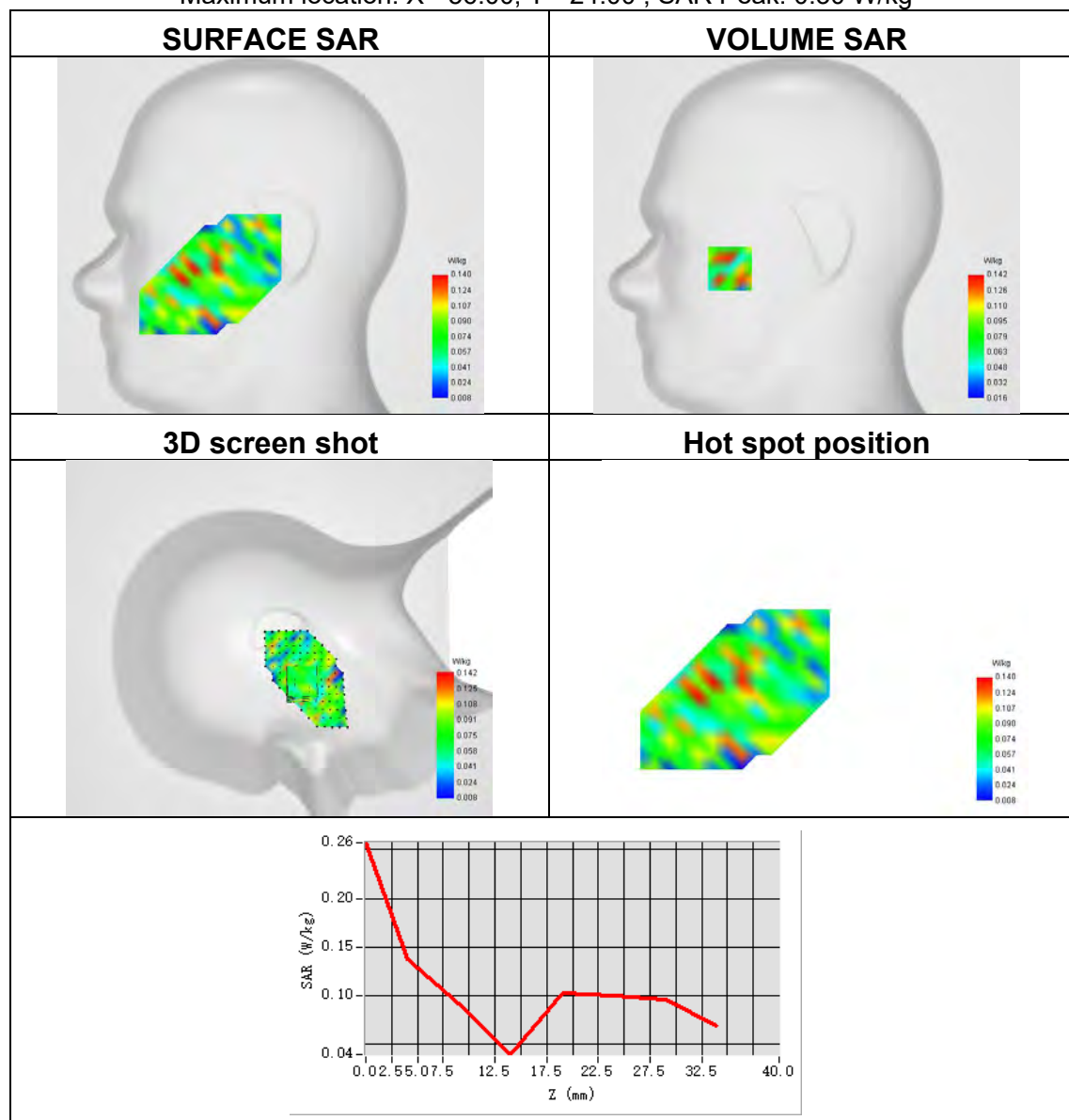




Plot 7:

Test Date	2024-04-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	Band 4 (1700)
Signal	HSDPA
Frequency	1740
SAR 10g (W/Kg)	0.071
SAR 1g (W/Kg)	0.142
ConvF	1.91
Relative permittivity	40.20
Conductivity (S/m)	1.43

Maximum location: X=-56.00, Y=-24.00 ; SAR Peak: 0.30 W/kg

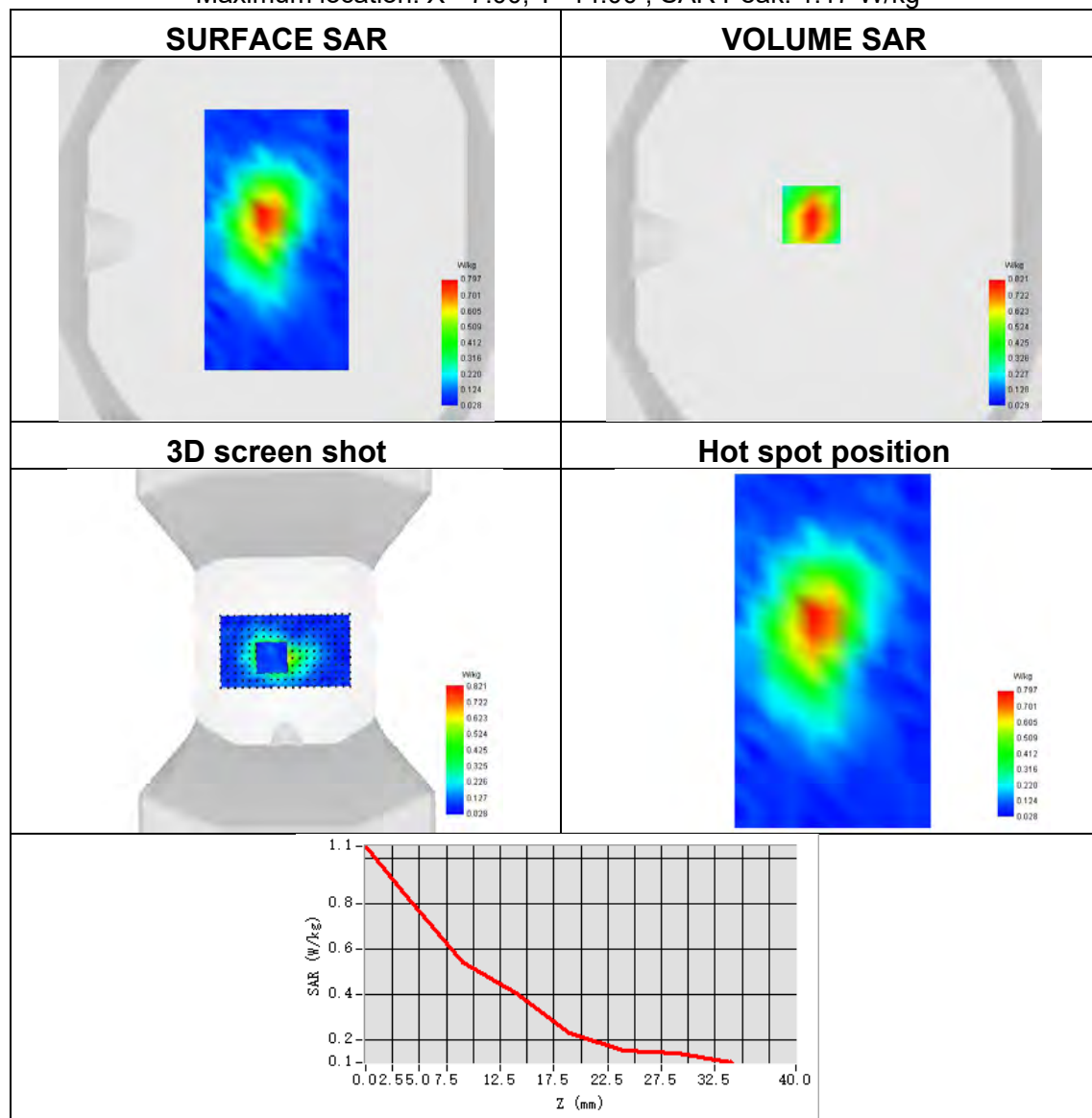




Plot 8:

Test Date	2024-04-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	Band 4 (1700)
Signal	HSDPA
Frequency	1740
SAR 10g (W/Kg)	0.470
SAR 1g (W/Kg)	0.783
ConvF	1.91
Relative permittivity	40.20
Conductivity (S/m)	1.43

Maximum location: X=-7.00, Y=14.00 ; SAR Peak: 1.17 W/kg

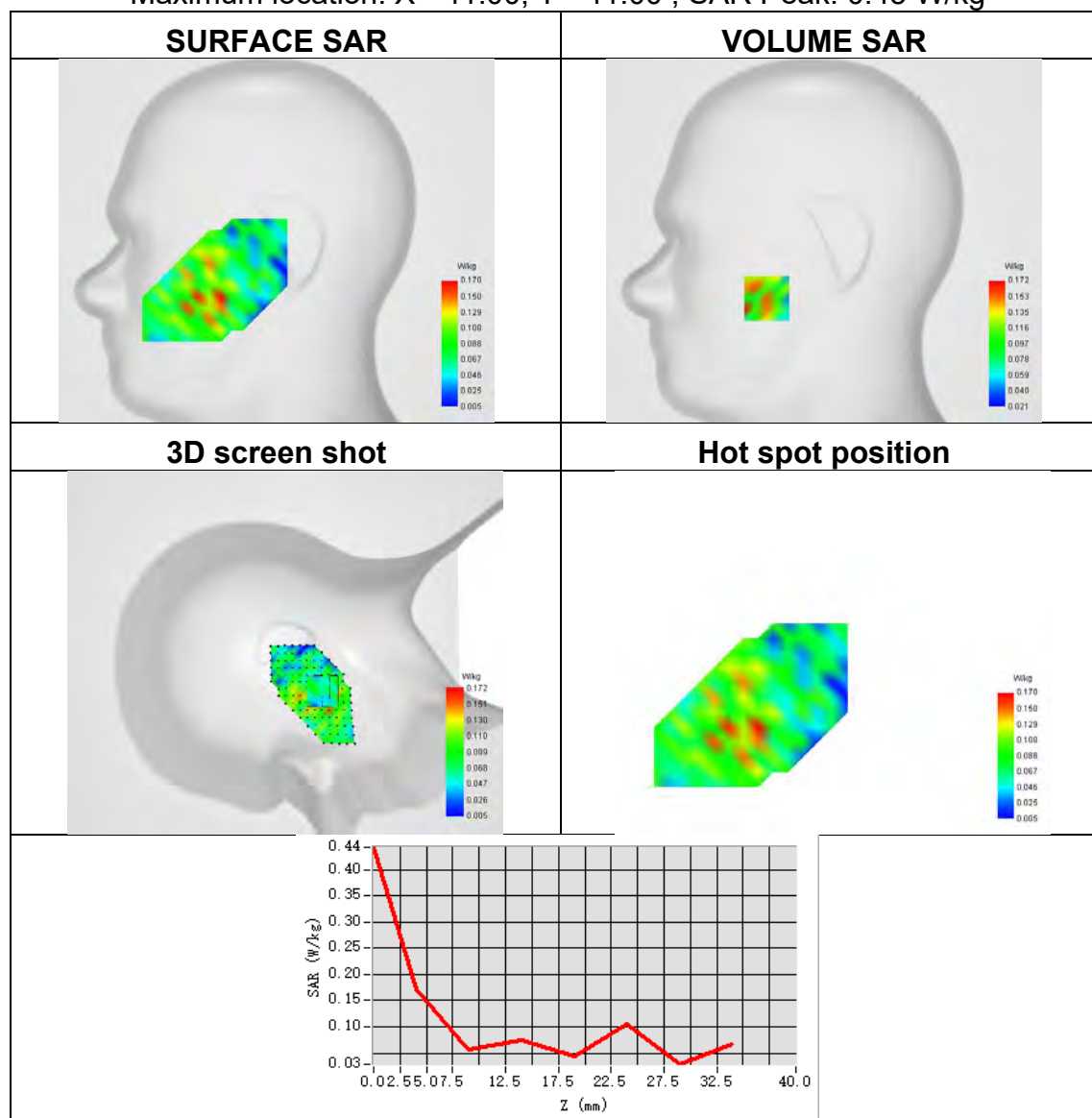




Plot 9:

Test Date	2024-04-23
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	Band 5 (850)
Signal	WCDMA
Frequency	846.6
SAR 10g (W/Kg)	0.094
SAR 1g (W/Kg)	0.180
ConvF	1.70
Relative permittivity	42.57
Conductivity (S/m)	0.85

Maximum location: X=-41.00, Y=-41.00 ; SAR Peak: 0.45 W/kg

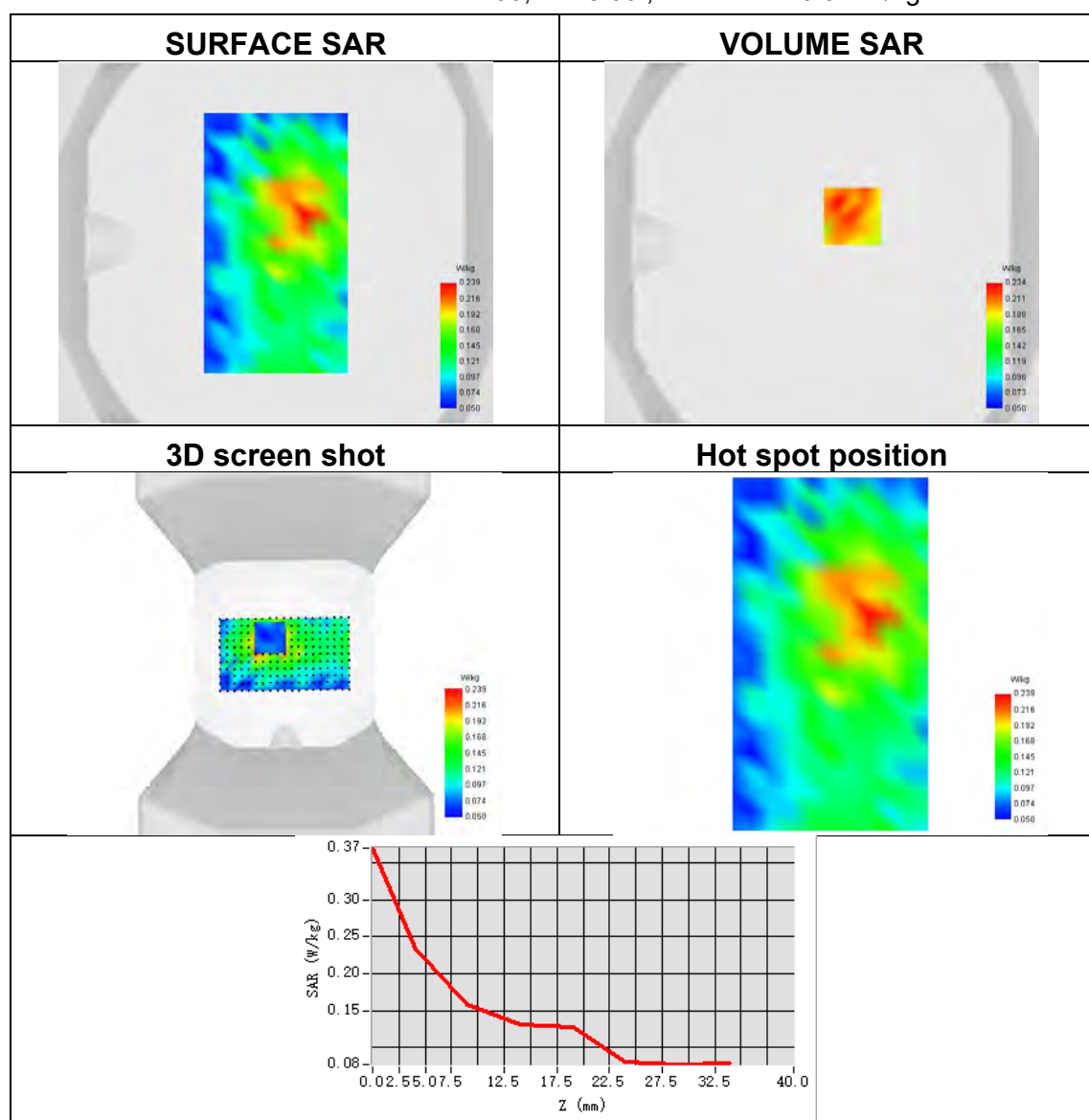




Plot 10:

Test Date	2024-04-26
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	Band 5 (850)
Signal	WCDMA
Frequency	846.6
SAR 10g (W/Kg)	0.143
SAR 1g (W/Kg)	0.223
ConvF	1.70
Relative permittivity	42.57
Conductivity (S/m)	0.85

Maximum location: X=17.00, Y=15.00 ; SAR Peak: 0.37 W/kg

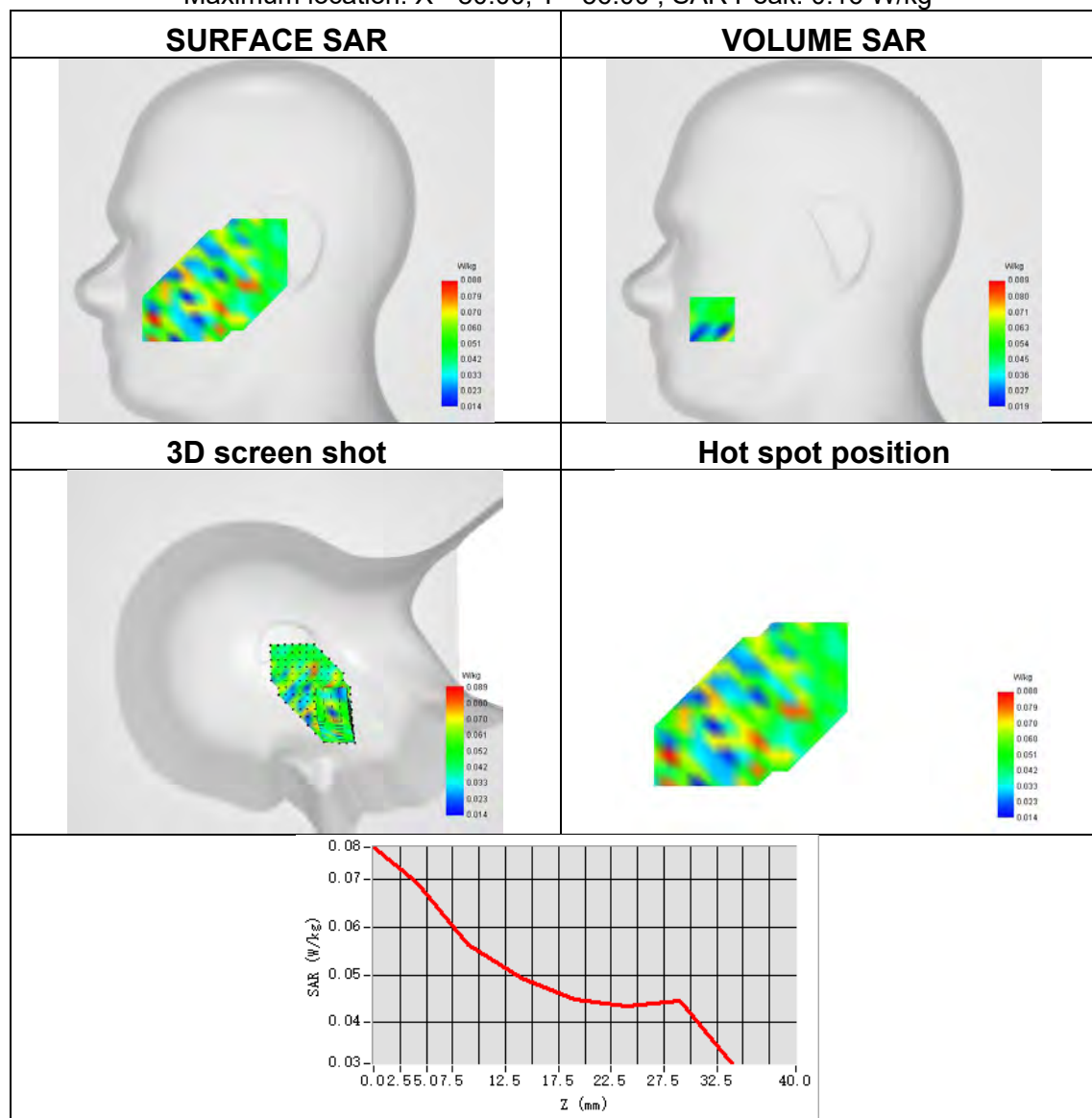




Plot 11:

Test Date	2024-04-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	BC0 (US Cellular)
Signal	CDMA (CDMA2000)
Frequency	824.7
SAR 10g (W/Kg)	0.045
SAR 1g (W/Kg)	0.066
ConvF	1.70
Relative permittivity	42.05
Conductivity (S/m)	0.92

Maximum location: X=-80.00, Y=-56.00 ; SAR Peak: 0.16 W/kg

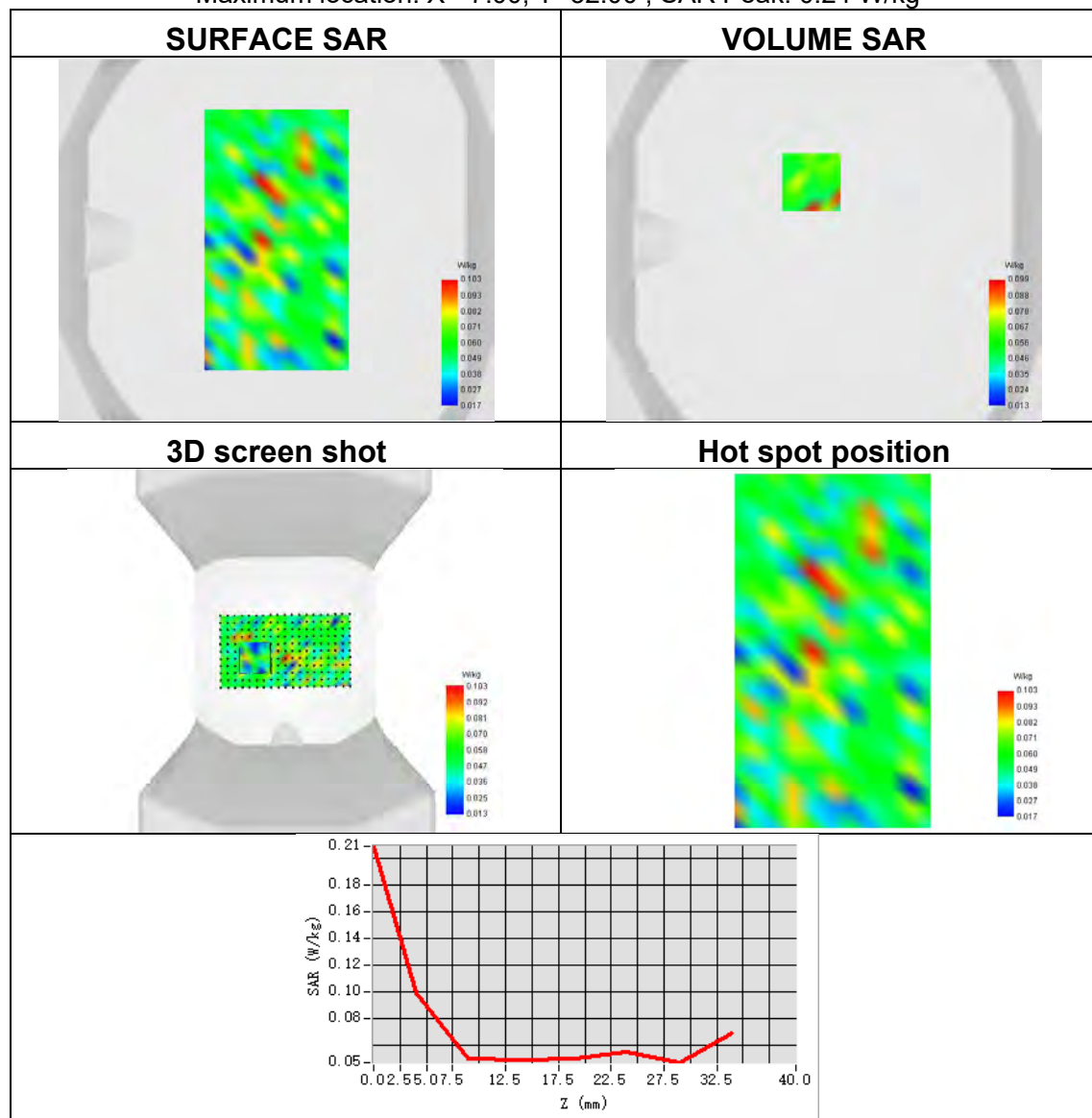




Plot 12:

Test Date	2024-04-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	BC0 (US Cellular)
Signal	CDMA (CDMA2000)
Frequency	824.7
SAR 10g (W/Kg)	0.054
SAR 1g (W/Kg)	0.078
ConvF	1.70
Relative permittivity	42.05
Conductivity (S/m)	0.92

Maximum location: X=-7.00, Y=32.00 ; SAR Peak: 0.24 W/kg

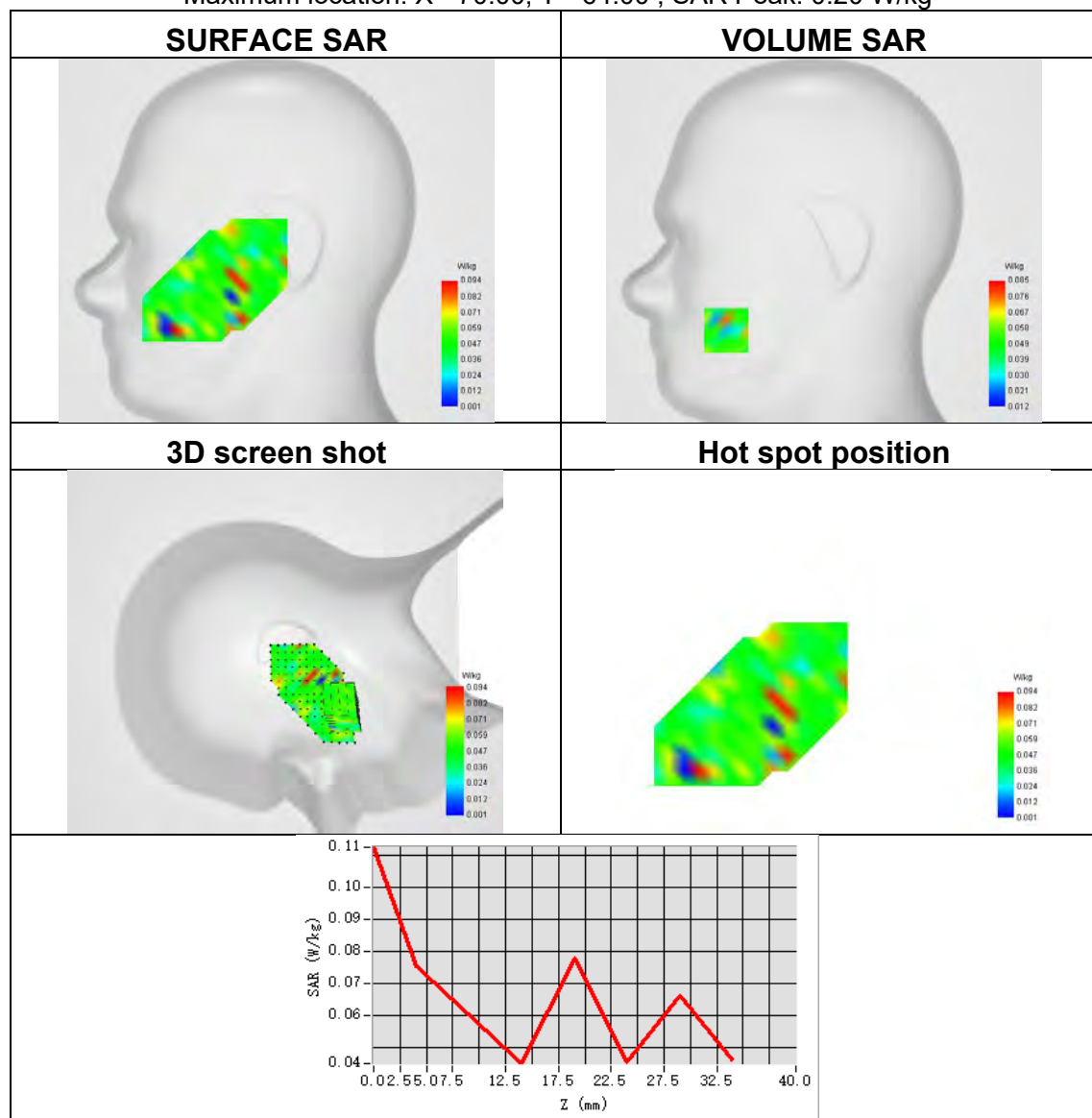




Plot 13:

Test Date	2024-04-24
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	BC1 (North American PCS)
Signal	CDMA (CDMA2000)
Frequency	1880
SAR 10g (W/Kg)	0.040
SAR 1g (W/Kg)	0.071
ConvF	2.24
Relative permittivity	40.65
Conductivity (S/m)	1.44

Maximum location: X=-70.00, Y=-64.00 ; SAR Peak: 0.20 W/kg

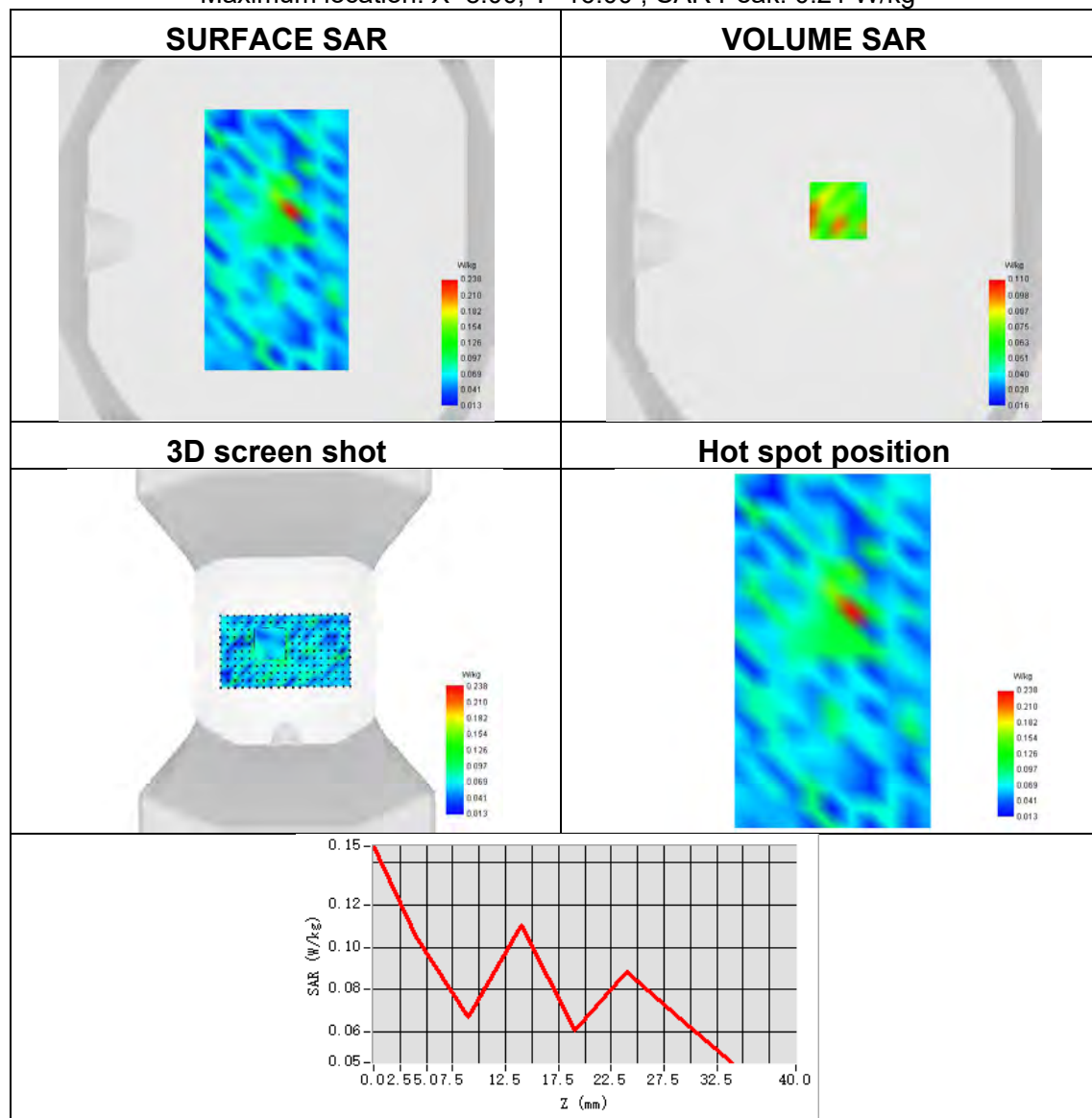




Plot 14:

Test Date	2024-04-24
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	BC1 (North American PCS)
Signal	CDMA (CDMA2000)
Frequency	1880
SAR 10g (W/Kg)	0.056
SAR 1g (W/Kg)	0.091
ConvF	2.24
Relative permittivity	40.65
Conductivity (S/m)	1.44

Maximum location: X=8.00, Y=16.00 ; SAR Peak: 0.21 W/kg

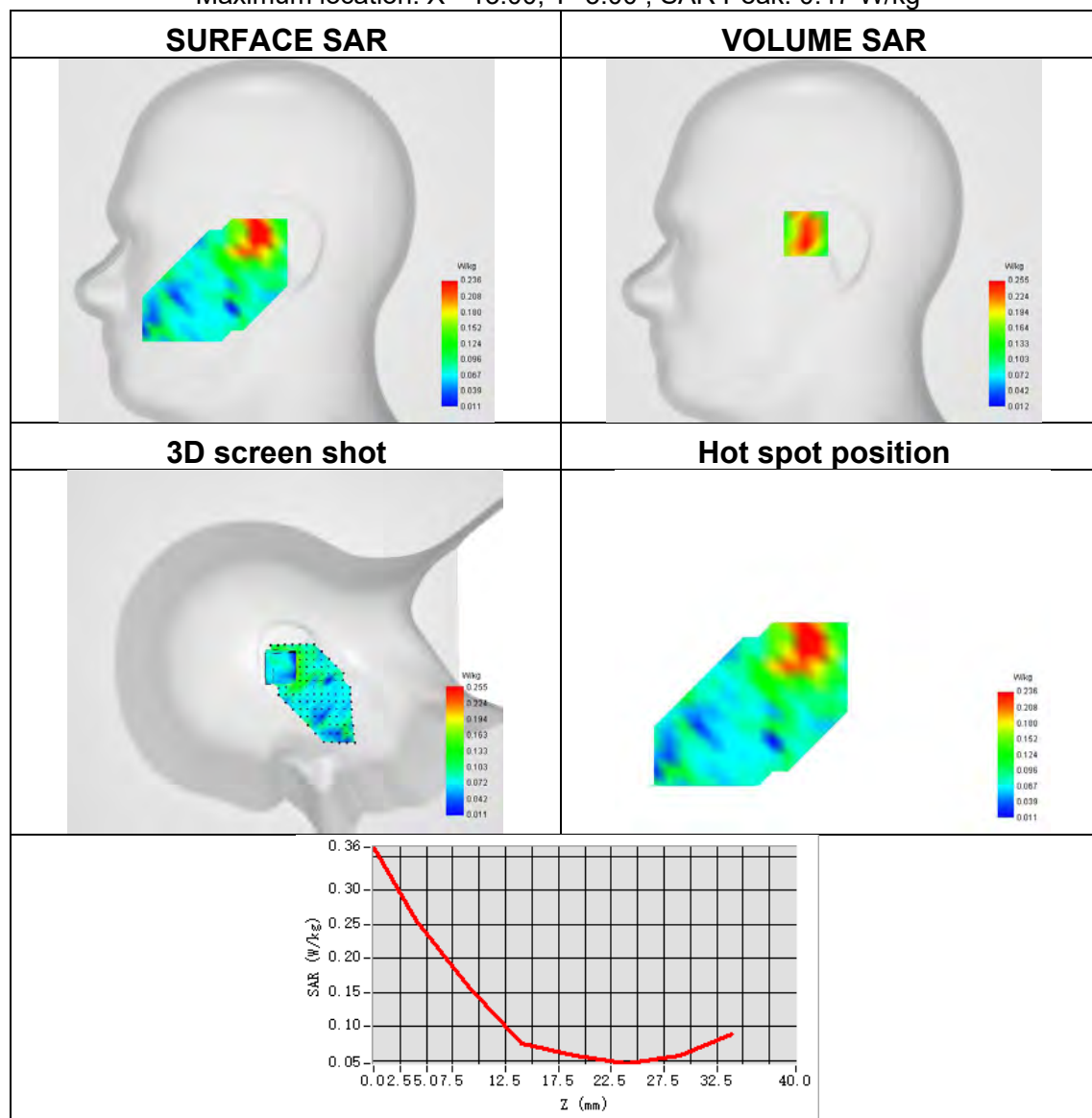




Plot 15:

Test Date	2024-04-30
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Tilt
Band	ISM
Signal	IEEE 802.11 b
Frequency	2462
SAR 10g (W/Kg)	0.135
SAR 1g (W/Kg)	0.240
ConvF	2.30
Relative permittivity	39.34
Conductivity (S/m)	1.77

Maximum location: X=-13.00, Y=5.00 ; SAR Peak: 0.47 W/kg

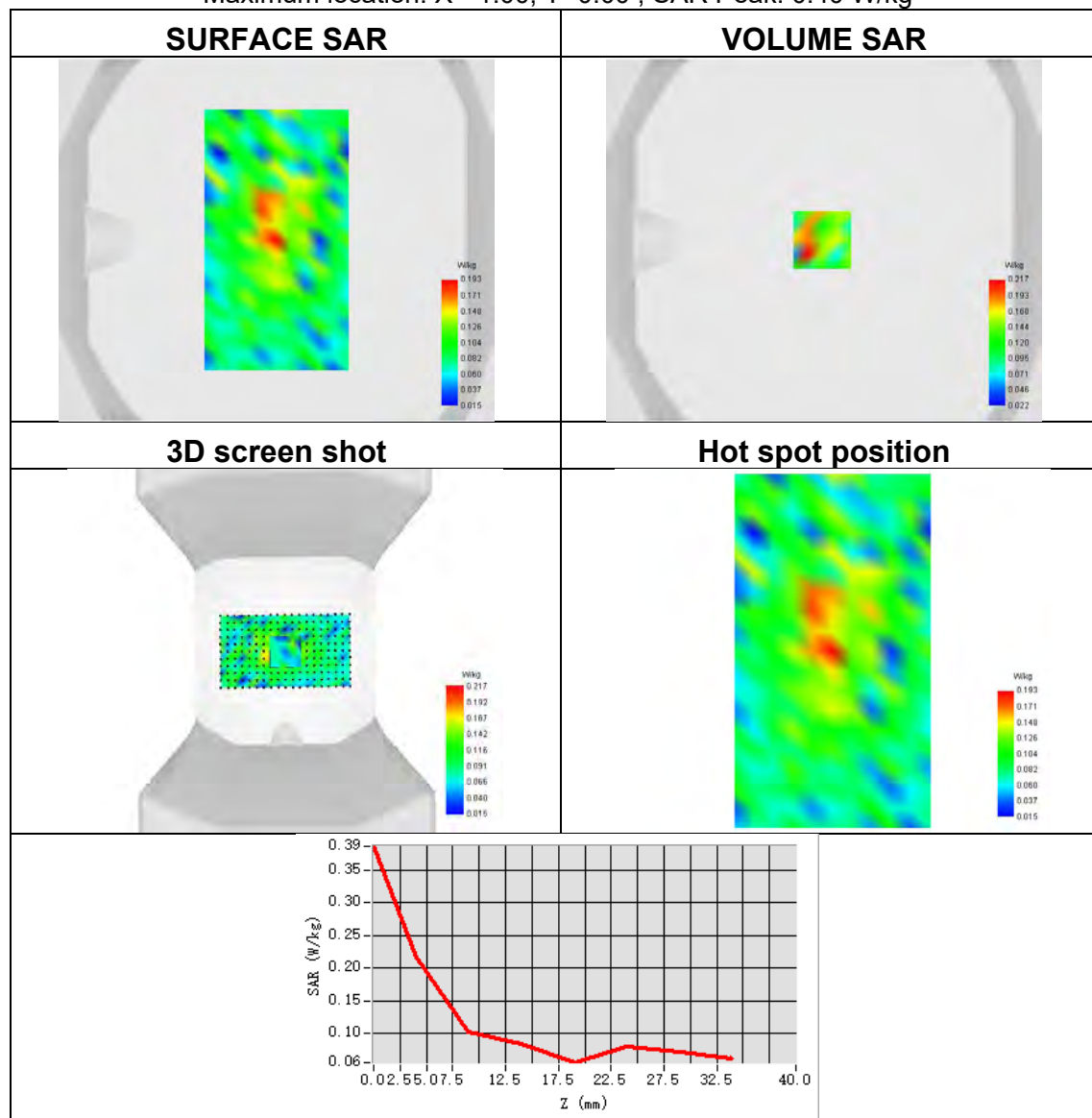




Plot 16:

Test Date	2024-04-30
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Top Side
Band	ISM
Signal	IEEE 802.11 b
Frequency	2462
SAR 10g (W/Kg)	0.114
SAR 1g (W/Kg)	0.202
ConvF	2.30
Relative permittivity	39.34
Conductivity (S/m)	1.77

Maximum location: X=-1.00, Y=0.00 ; SAR Peak: 0.40 W/kg

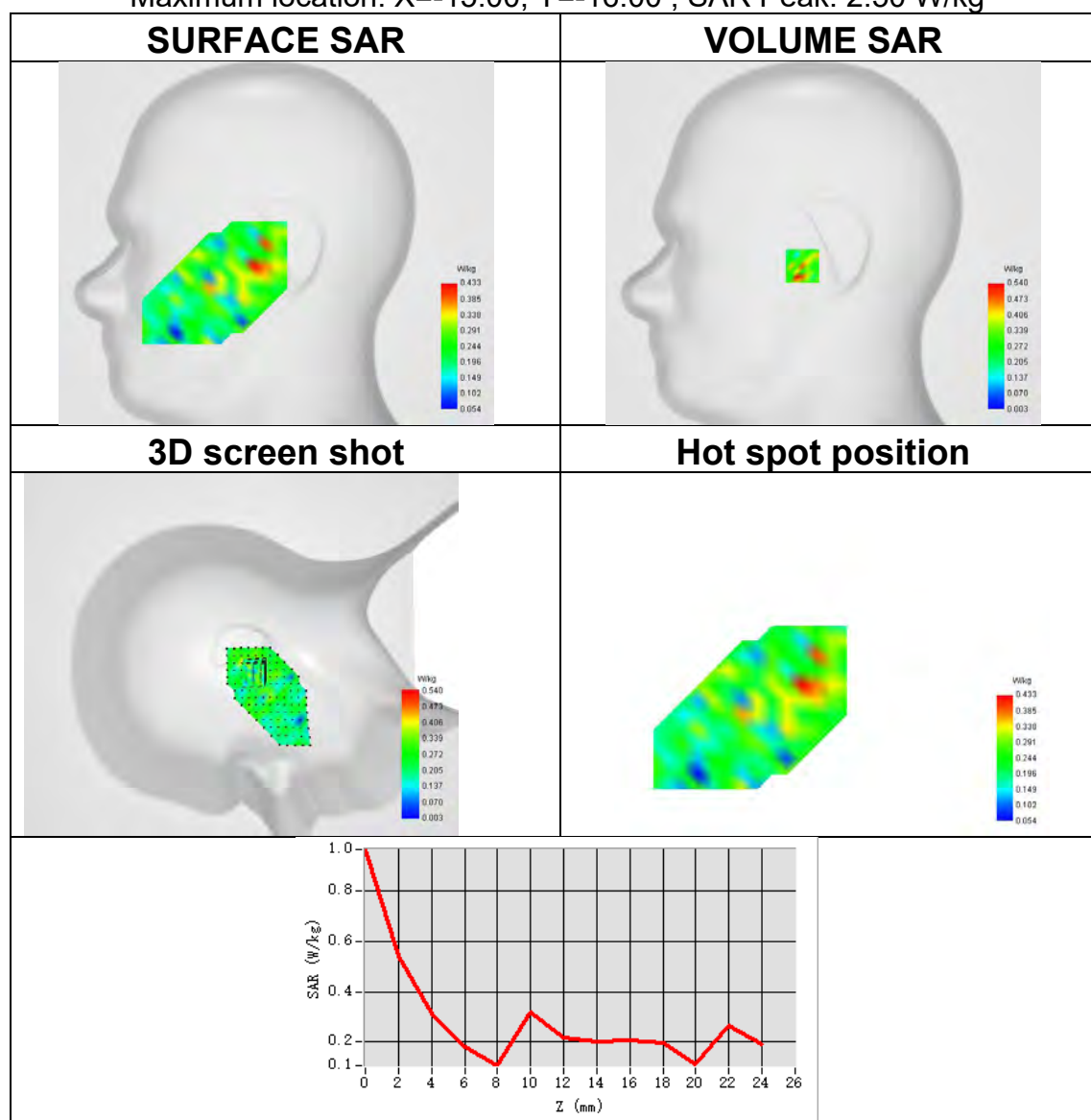




Plot 17:

Test Date	2024-04-29
Area Scan	dx=4mm dy=4mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-1
Signal	IEEE 802.11a
Frequency	5200
SAR 10g (W/Kg)	0.248
SAR 1g (W/Kg)	0.500
ConvF	1.98
Relative permittivity	37.13
Conductivity (S/m)	4.64

Maximum location: X=-15.00, Y=-16.00 ; SAR Peak: 2.50 W/kg

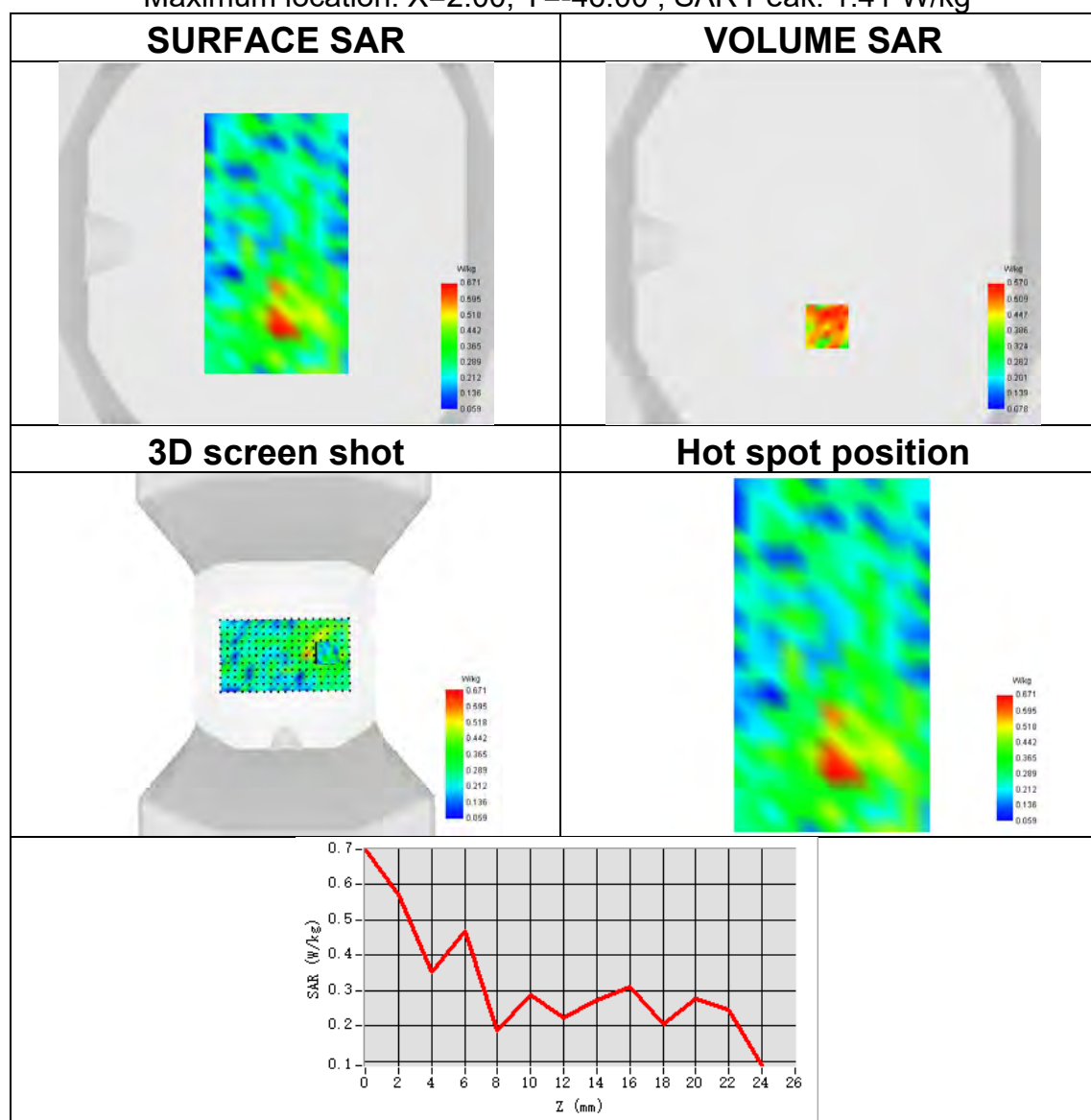




Plot 18:

Test Date	2024-04-29
Area Scan	dx=4mm dy=4mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Side
Band	U-NII-1
Signal	IEEE 802.11a
Frequency	5200
SAR 10g (W/Kg)	0.234
SAR 1g (W/Kg)	0.471
ConvF	1.98
Relative permittivity	37.13
Conductivity (S/m)	4.64

Maximum location: X=2.00, Y=-46.00 ; SAR Peak: 1.41 W/kg

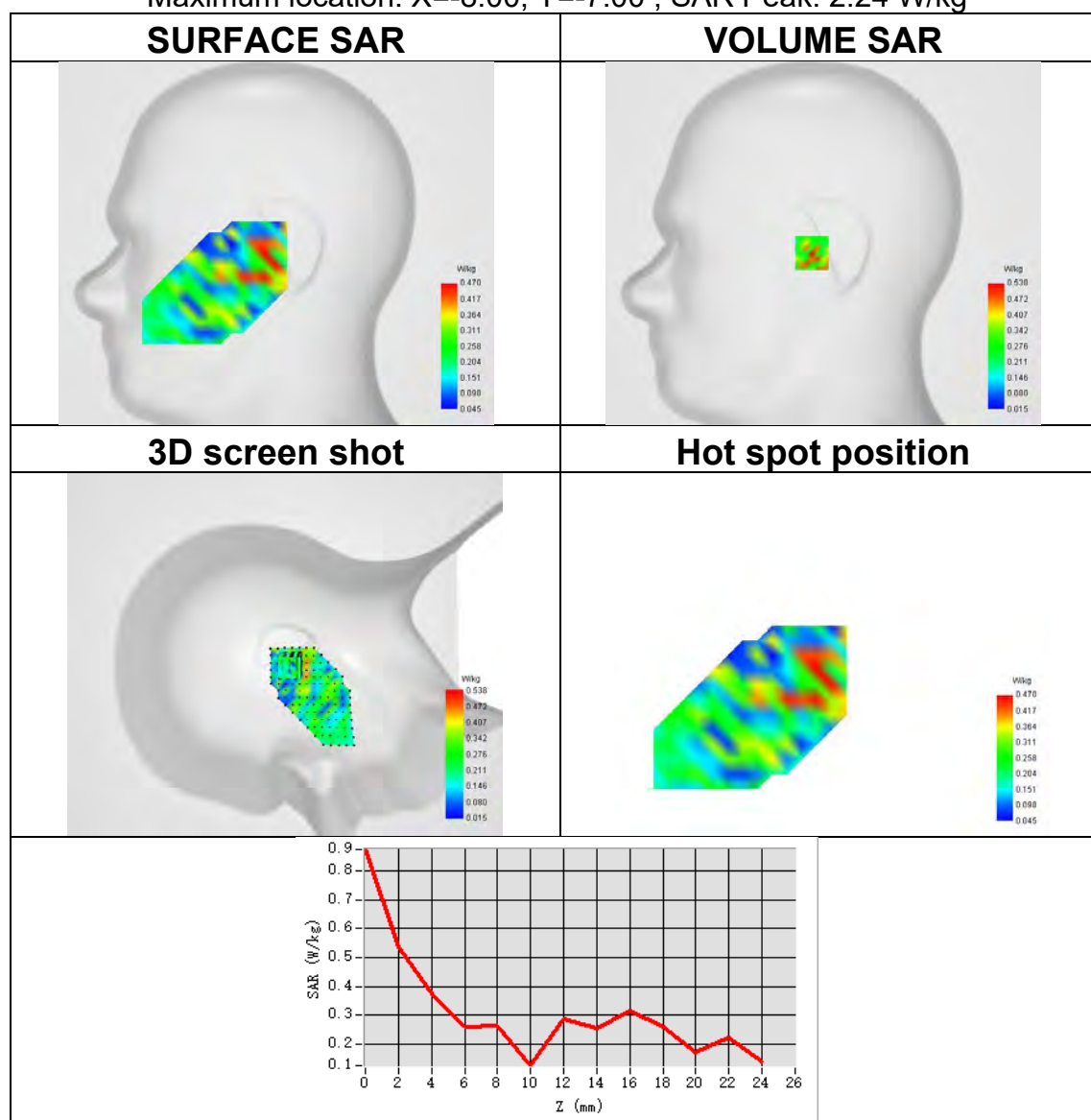




Plot 19:

Test Date	2024-05-02
Area Scan	dx=4mm dy=4mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-2
Signal	IEEE 802.11a
Frequency	5260
SAR 10g (W/Kg)	0.187
SAR 1g (W/Kg)	0.362
ConvF	1.83
Relative permittivity	36.21
Conductivity (S/m)	4.90

Maximum location: X=-8.00, Y=-7.00 ; SAR Peak: 2.24 W/kg

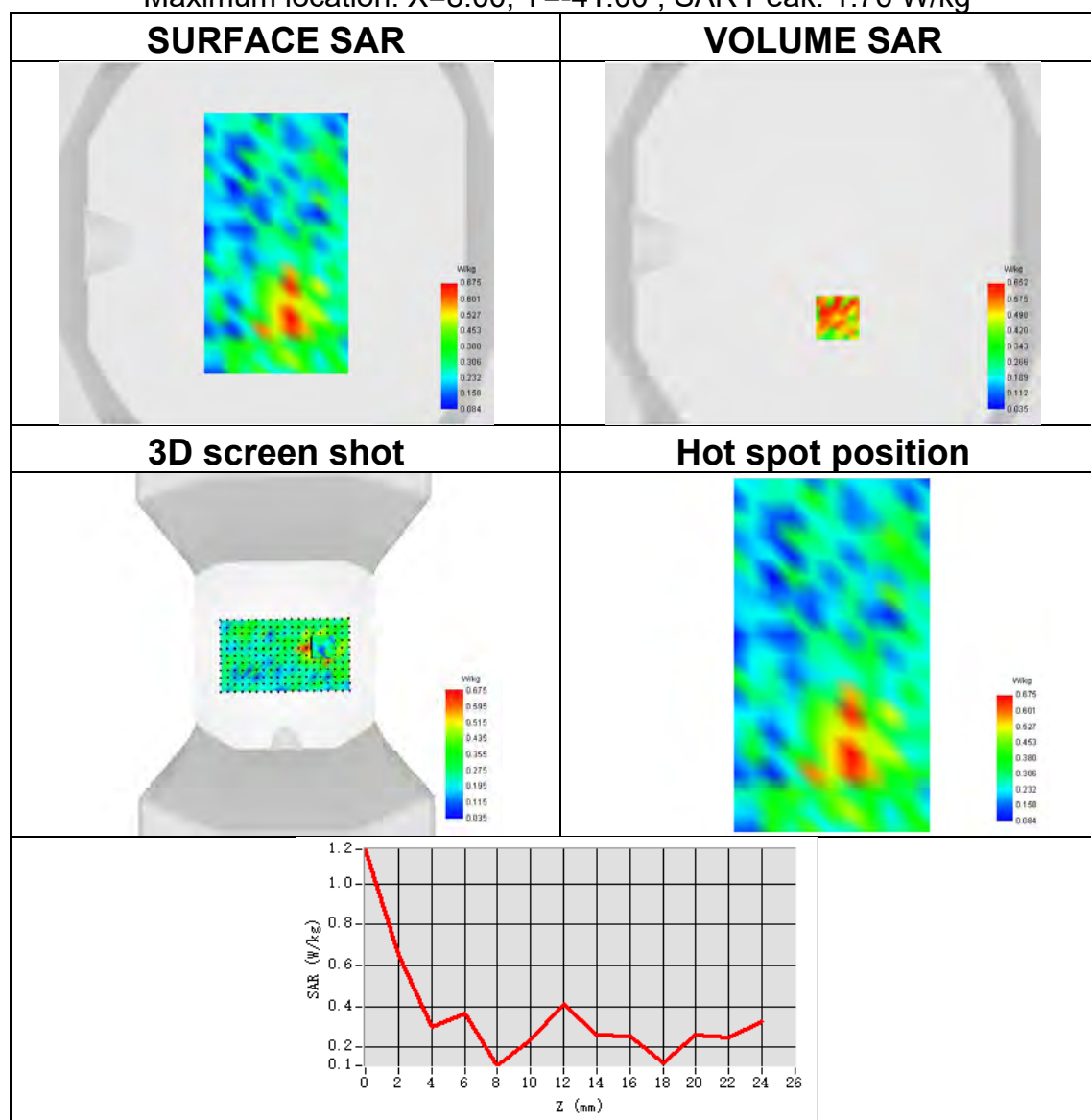




Plot 20:

Test Date	2024-05-02
Area Scan	dx=4mm dy=4mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Side
Band	U-NII-2
Signal	IEEE 802.11a
Frequency	5260
SAR 10g (W/Kg)	0.214
SAR 1g (W/Kg)	0.476
ConvF	1.83
Relative permittivity	36.21
Conductivity (S/m)	4.90

Maximum location: X=8.00, Y=-41.00 ; SAR Peak: 1.76 W/kg

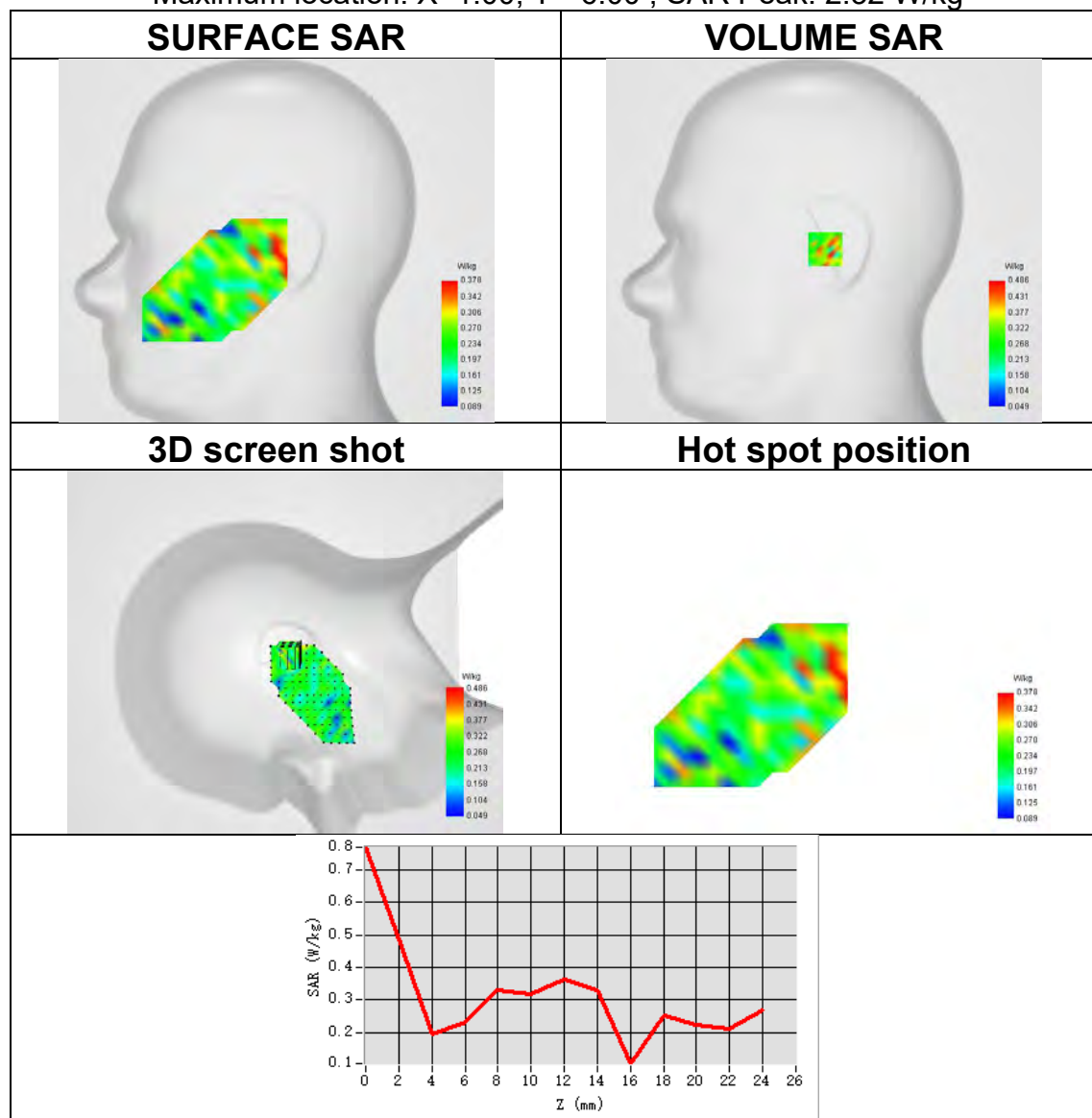




Plot 21:

Test Date	2024-05-02
Area Scan	dx=4mm dy=4mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-3
Signal	IEEE 802.11a
Frequency	5580
SAR 10g (W/Kg)	0.259
SAR 1g (W/Kg)	0.466
ConvF	1.86
Relative permittivity	35.94
Conductivity (S/m)	5.13

Maximum location: X=1.00, Y=-6.00 ; SAR Peak: 2.32 W/kg

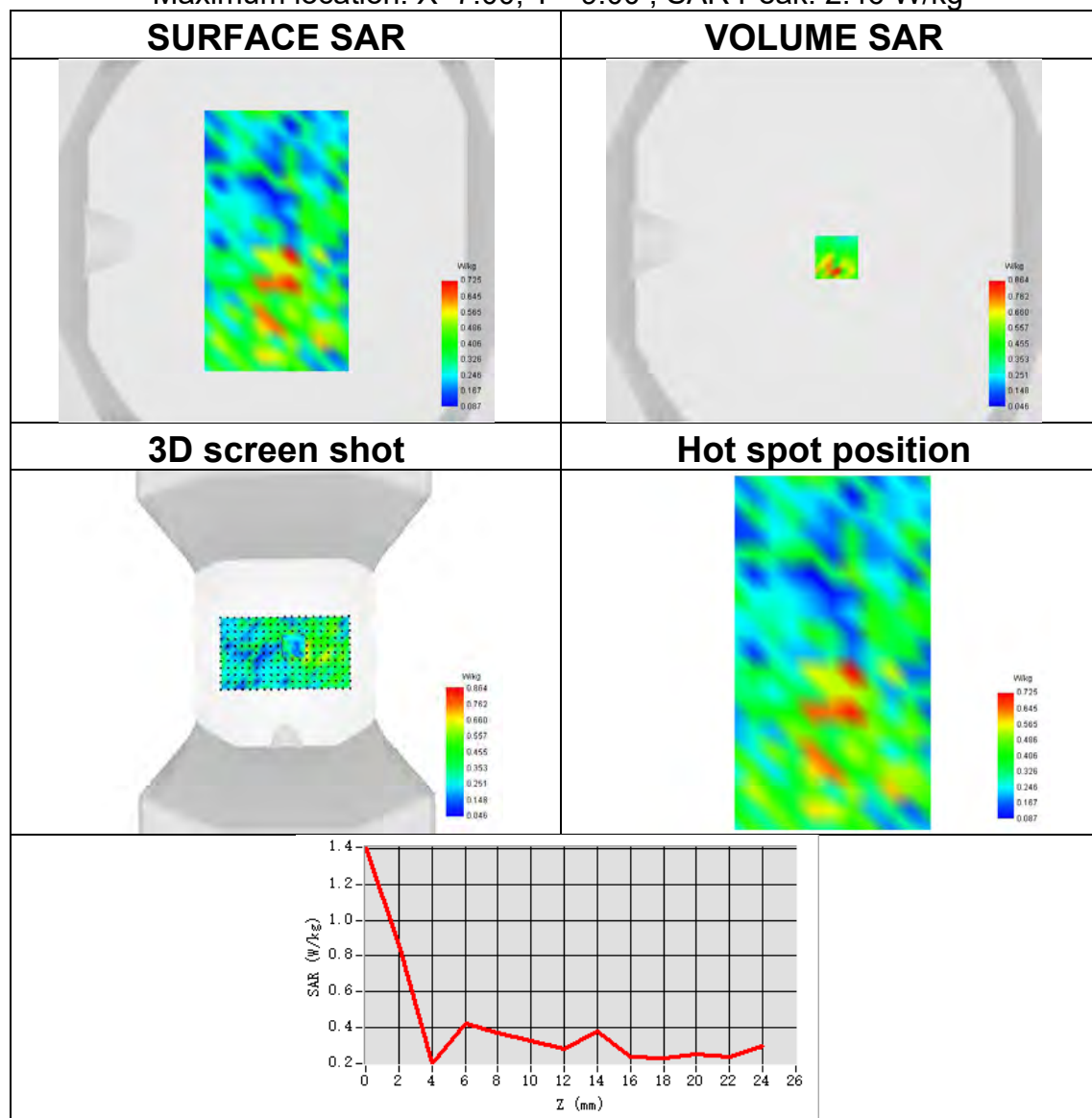




Plot 22:

Test Date	2024-05-02
Area Scan	dx=4mm dy=4mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Side
Band	U-NII-3
Signal	IEEE 802.11a
Frequency	5580
SAR 10g (W/Kg)	0.247
SAR 1g (W/Kg)	0.479
ConvF	1.86
Relative permittivity	35.94
Conductivity (S/m)	5.13

Maximum location: X=7.00, Y=-9.00 ; SAR Peak: 2.46 W/kg

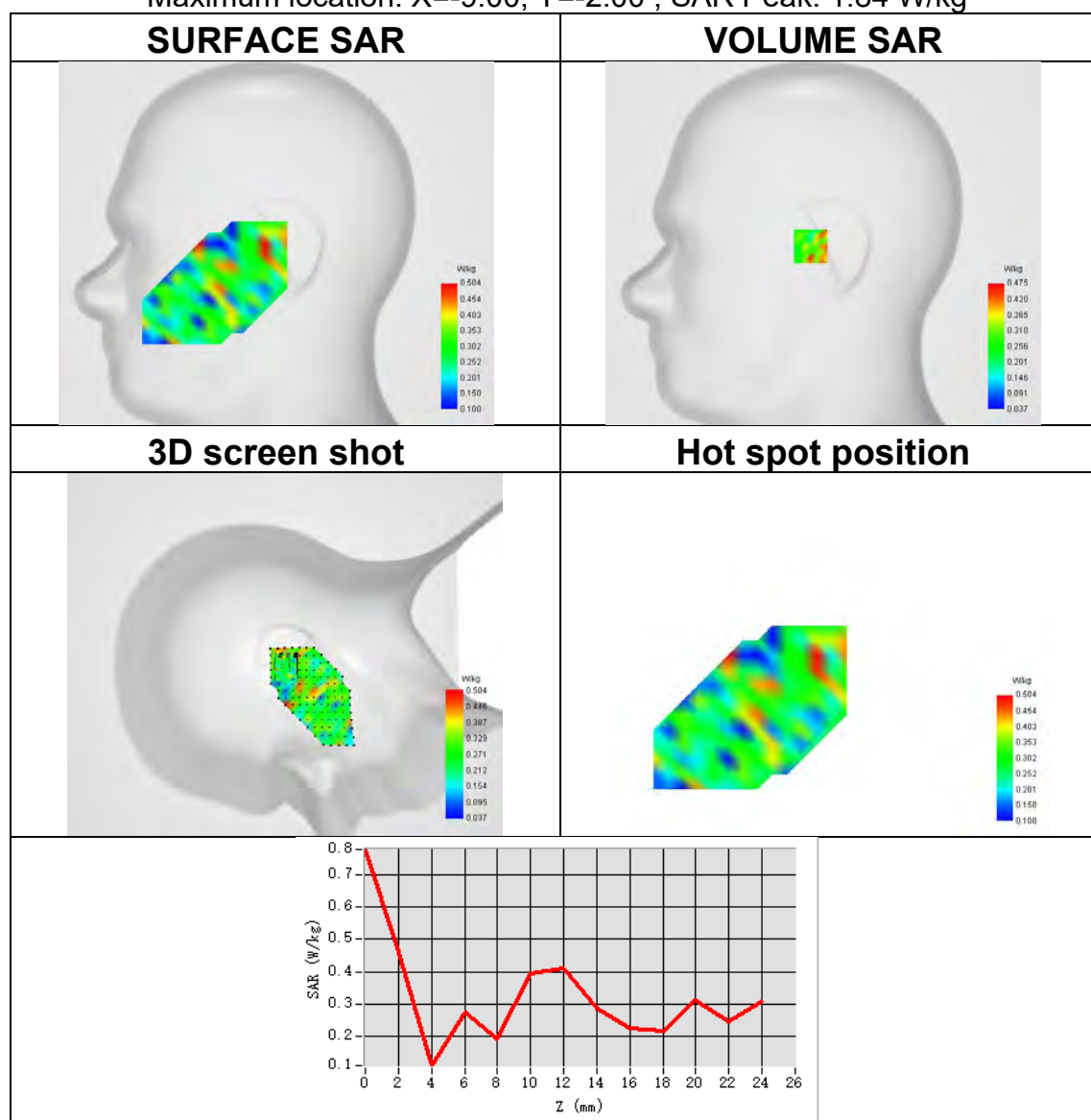




Plot 23:

Test Date	2024-05-03
Area Scan	dx=4mm dy=4mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-4
Signal	IEEE 802.11a
Frequency	5825
SAR 10g (W/Kg)	0.243
SAR 1g (W/Kg)	0.368
ConvF	1.71
Relative permittivity	36.09
Conductivity (S/m)	5.23

Maximum location: X=-9.00, Y=-2.00 ; SAR Peak: 1.84 W/kg

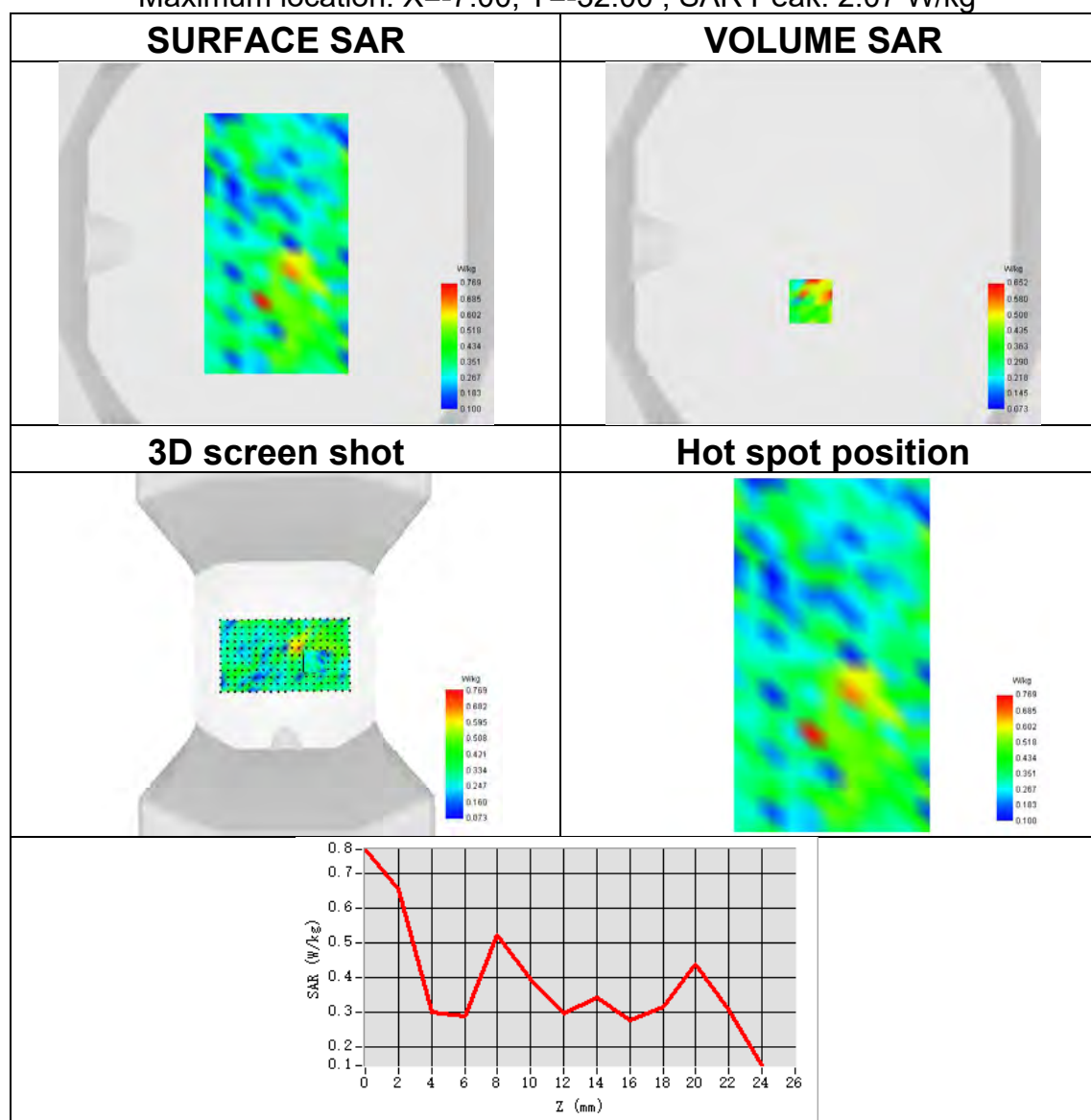




Plot 24:

Test Date	2024-05-03
Area Scan	dx=4mm dy=4mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Side
Band	U-NII-4
Signal	IEEE 802.11a
Frequency	5825
SAR 10g (W/Kg)	0.239
SAR 1g (W/Kg)	0.485
ConvF	1.71
Relative permittivity	36.09
Conductivity (S/m)	5.23

Maximum location: X=-7.00, Y=-32.00 ; SAR Peak: 2.07 W/kg

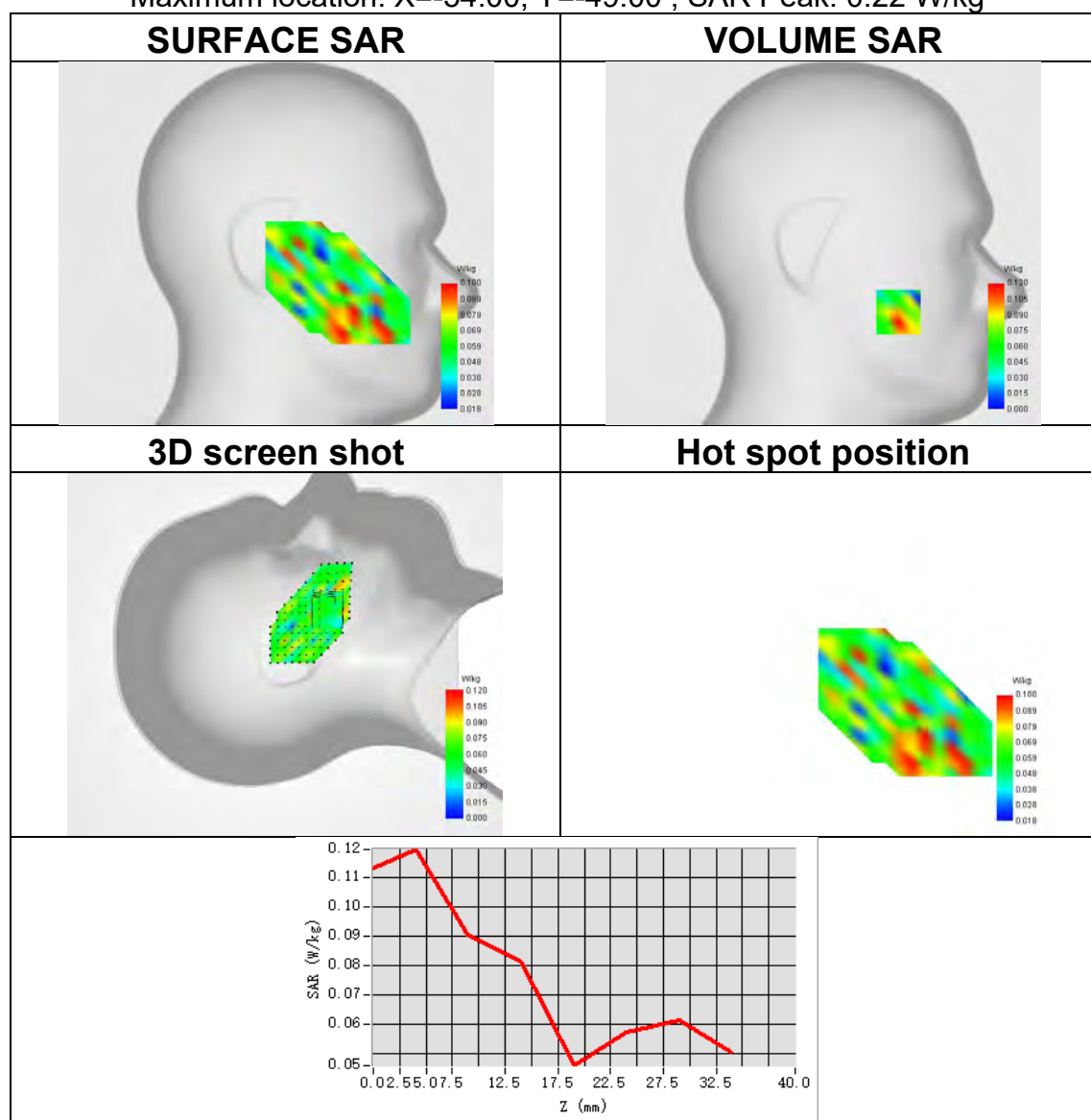




Plot 25:

Test Date	2024-04-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 2
Signal	LTE FDD
Frequency	1900
SAR 10g (W/Kg)	0.060
SAR 1g (W/Kg)	0.113
ConvF	2.24
Relative permittivity	40.67
Conductivity (S/m)	1.43

Maximum location: X=-54.00, Y=-49.00 ; SAR Peak: 0.22 W/kg

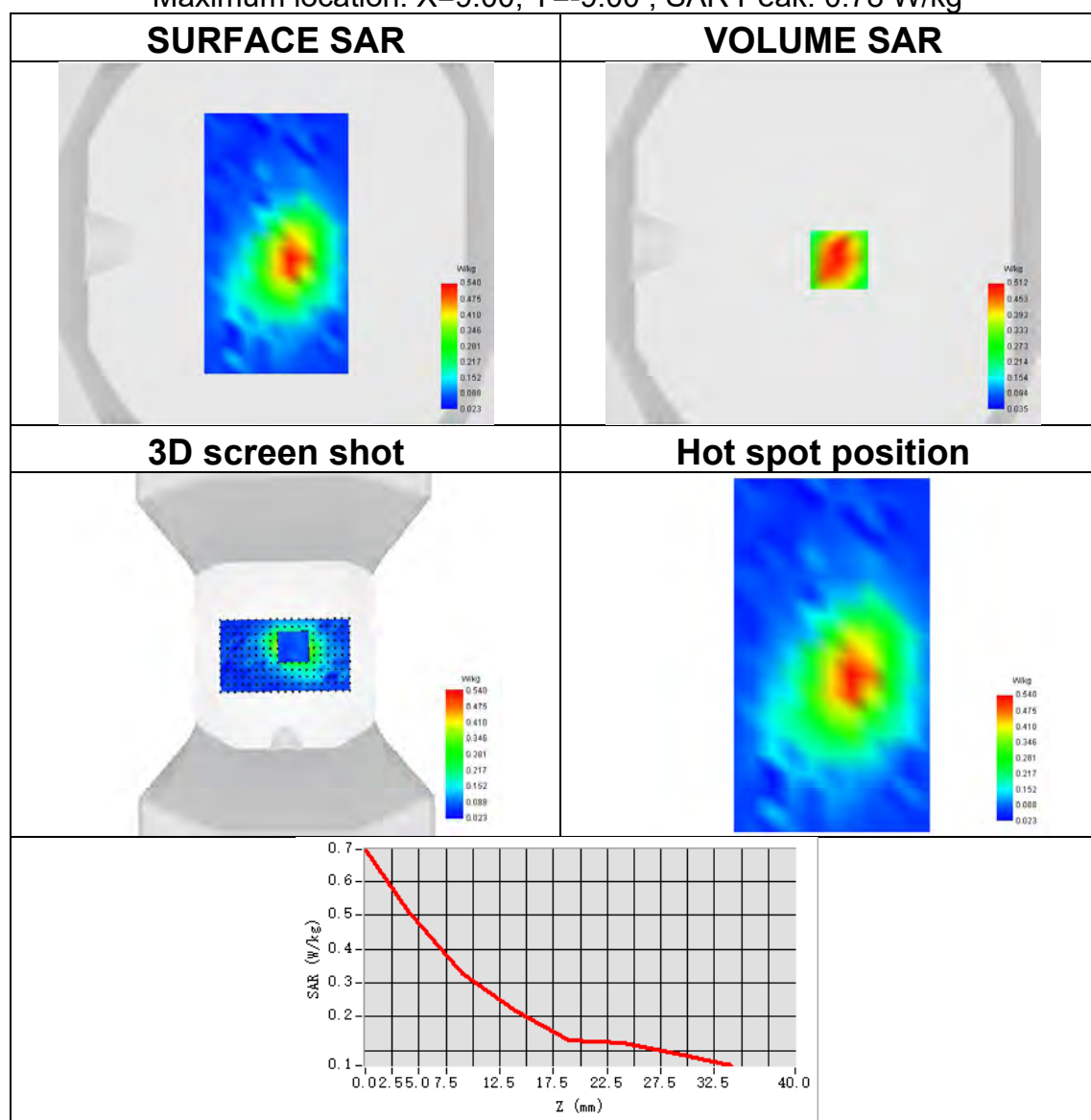




Plot 26:

Test Date	2024-04-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	LTE band 2
Signal	LTE FDD
Frequency	1900
SAR 10g (W/Kg)	0.295
SAR 1g (W/Kg)	0.492
ConvF	2.24
Relative permittivity	40.67
Conductivity (S/m)	1.43

Maximum location: X=9.00, Y=-9.00 ; SAR Peak: 0.78 W/kg

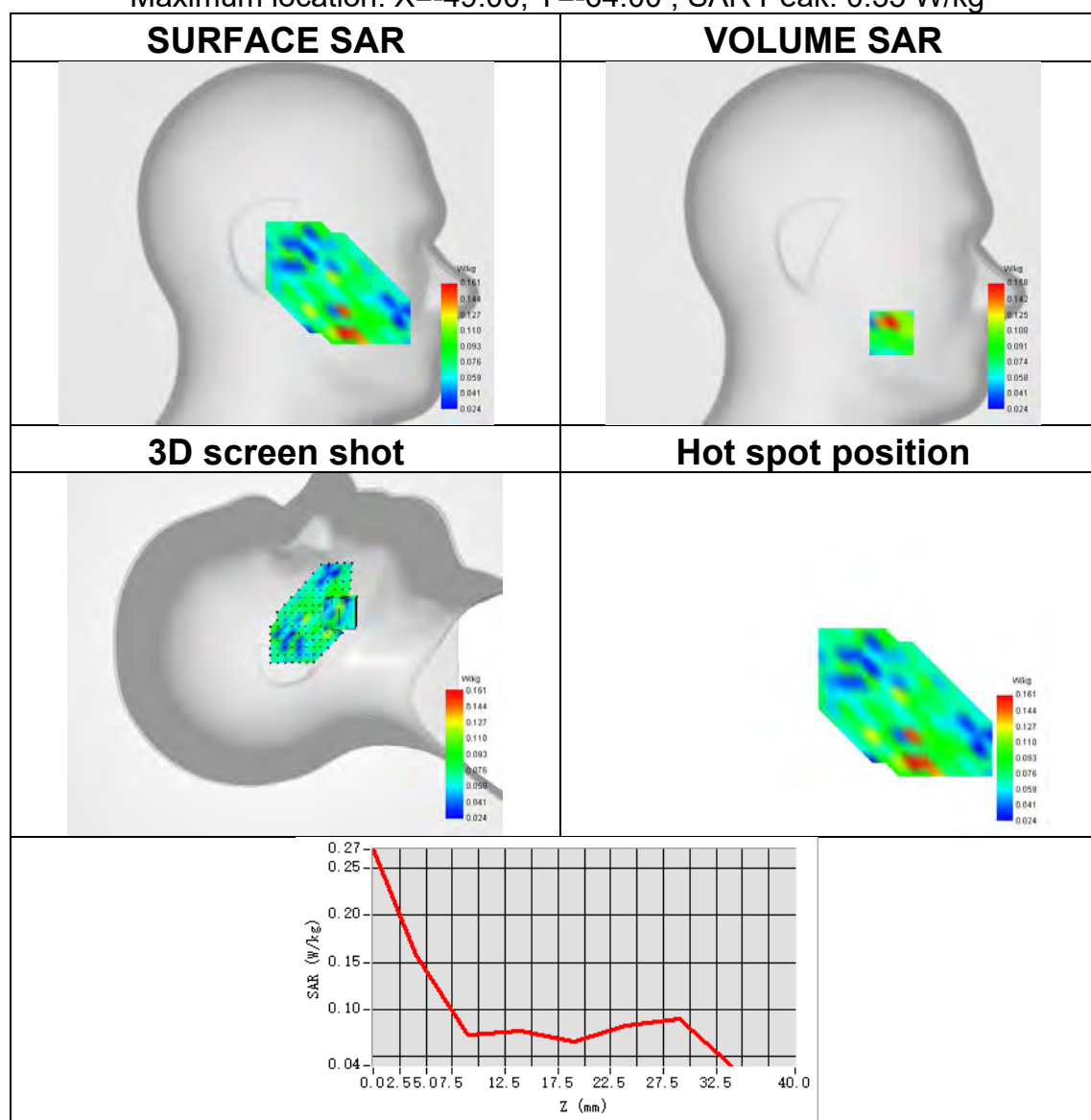




Plot 27:

Test Date	2024-04-21
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 4
Signal	LTE FDD
Frequency	1745
SAR 10g (W/Kg)	0.067
SAR 1g (W/Kg)	0.148
ConvF	1.91
Relative permittivity	40.51
Conductivity (S/m)	1.45

Maximum location: X=-49.00, Y=-64.00 ; SAR Peak: 0.35 W/kg

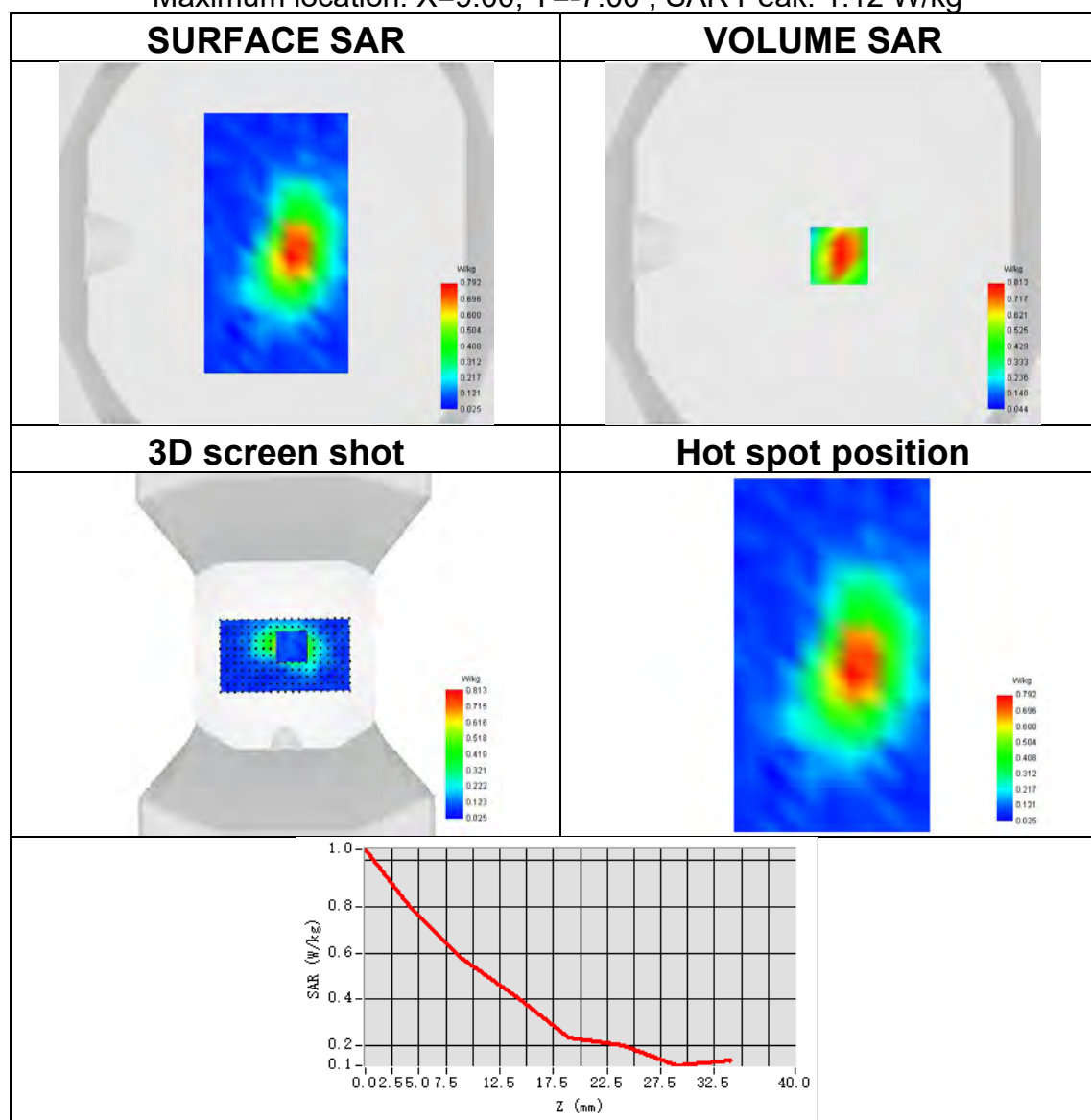




Plot 28:

Test Date	2024-04-21
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	LTE band 4
Signal	LTE FDD
Frequency	1745
SAR 10g (W/Kg)	0.467
SAR 1g (W/Kg)	0.768
ConvF	1.91
Relative permittivity	40.51
Conductivity (S/m)	1.45

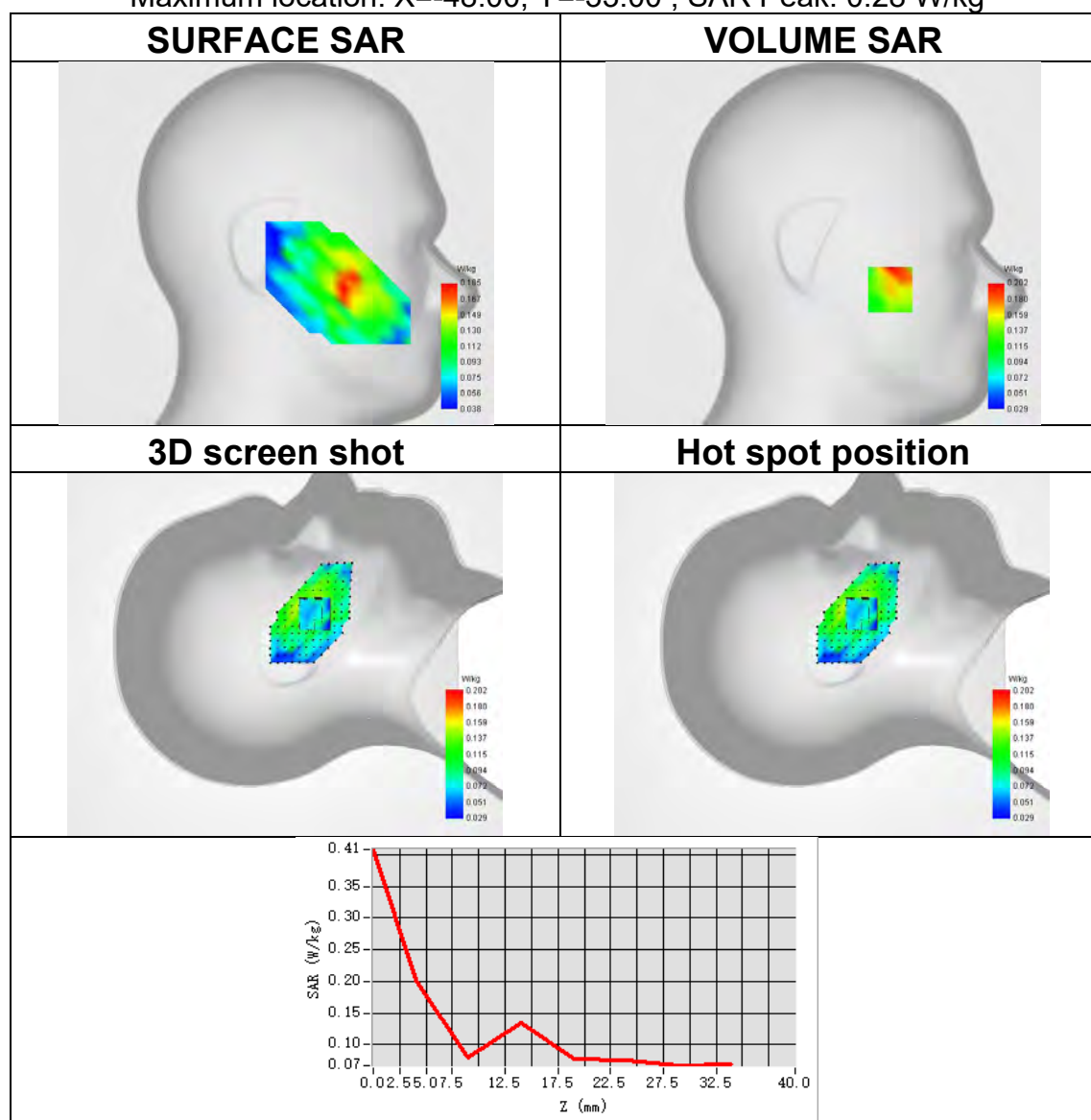
Maximum location: X=9.00, Y=-7.00 ; SAR Peak: 1.12 W/kg



Plot 29:

Test Date	2024-04-23
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 5
Signal	LTE FDD
Frequency	844
SAR 10g (W/Kg)	0.110
SAR 1g (W/Kg)	0.183
ConvF	1.70
Relative permittivity	42.18
Conductivity (S/m)	0.93

Maximum location: X=-48.00, Y=-33.00 ; SAR Peak: 0.28 W/kg

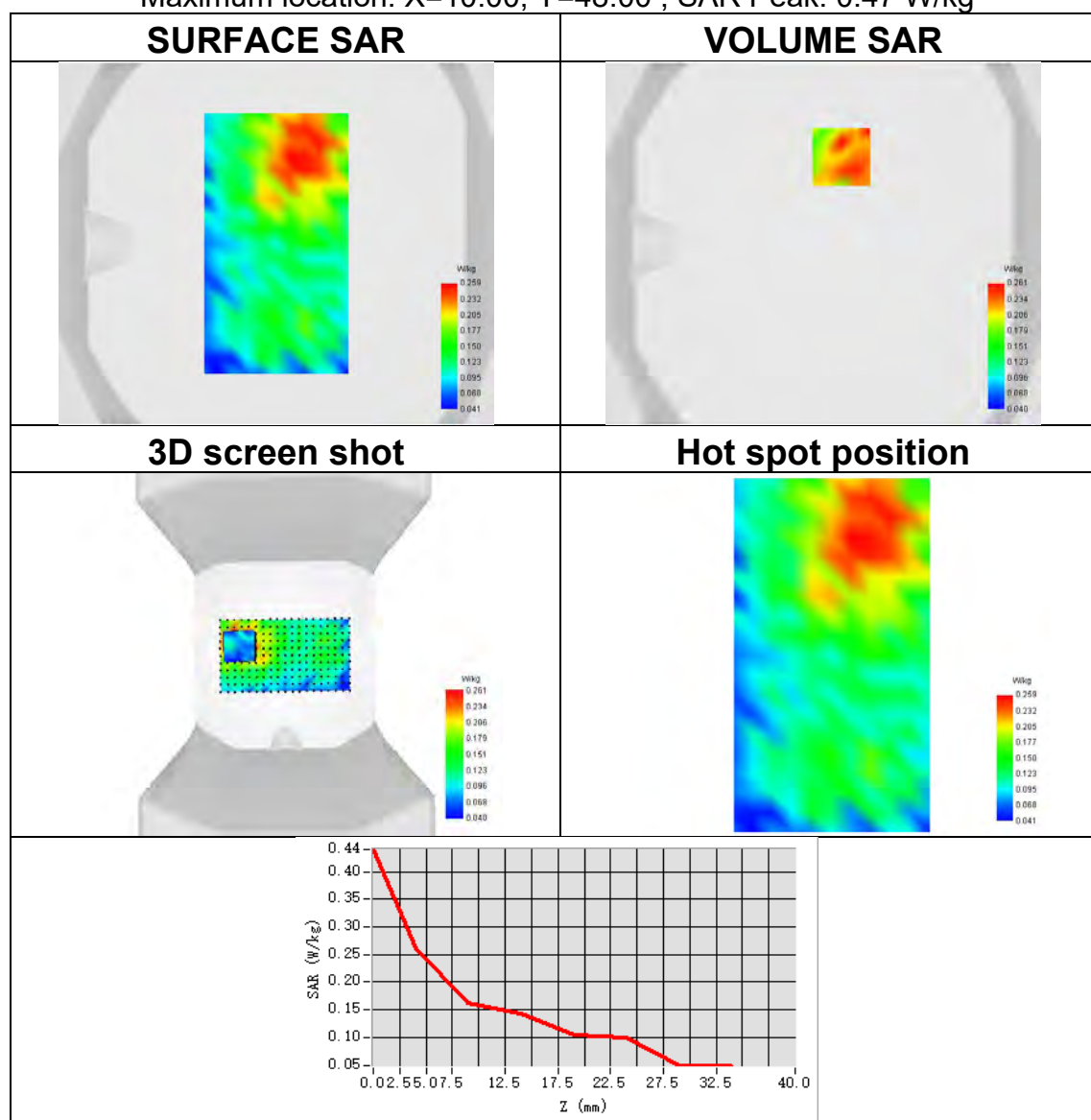




Plot 30:

Test Date	2024-04-23
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 5
Signal	LTE FDD
Frequency	844
SAR 10g (W/Kg)	0.162
SAR 1g (W/Kg)	0.269
ConvF	1.70
Relative permittivity	42.18
Conductivity (S/m)	0.93

Maximum location: X=10.00, Y=48.00 ; SAR Peak: 0.47 W/kg

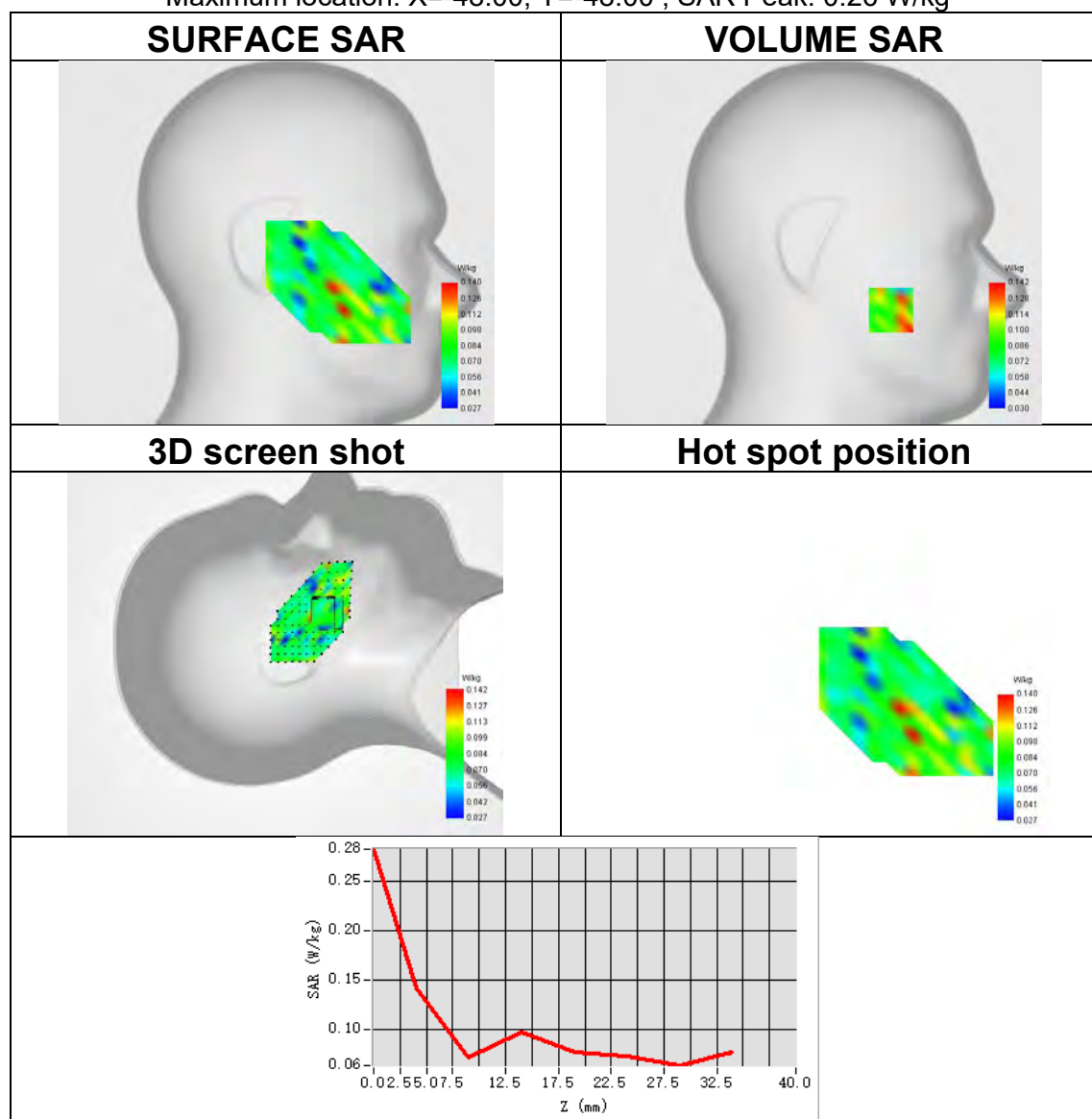




Plot 31:

Test Date	2024-04-22
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 7
Signal	LTE TDD
Frequency	2535
SAR 10g (W/Kg)	0.080
SAR 1g (W/Kg)	0.136
ConvF	2.35
Relative permittivity	40.36
Conductivity (S/m)	1.94

Maximum location: X=-48.00, Y=-48.00 ; SAR Peak: 0.26 W/kg

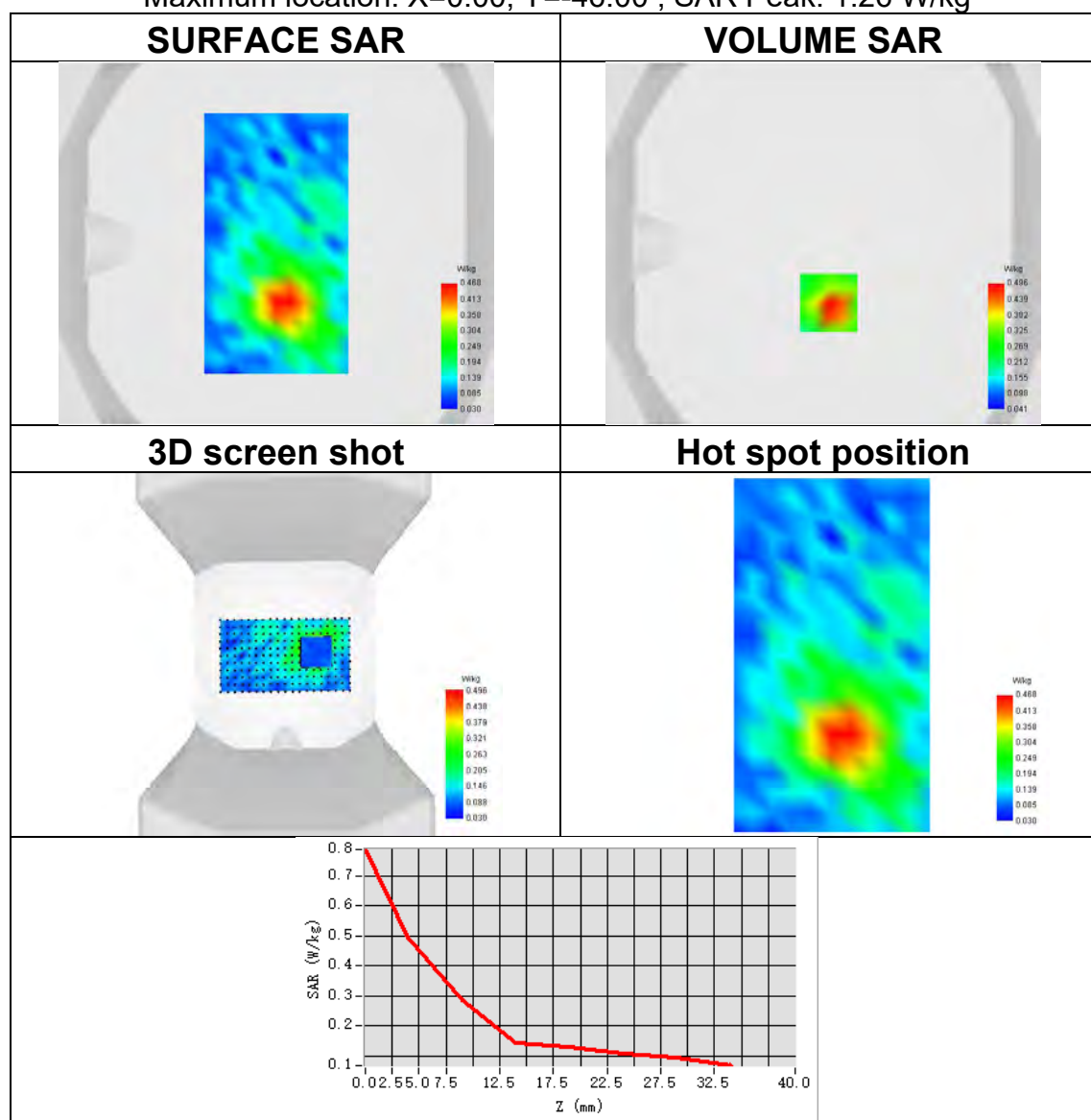




Plot 32:

Test Date	2024-04-22
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 7
Signal	LTE TDD
Frequency	2535
SAR 10g (W/Kg)	0.261
SAR 1g (W/Kg)	0.490
ConvF	2.35
Relative permittivity	40.36
Conductivity (S/m)	1.94

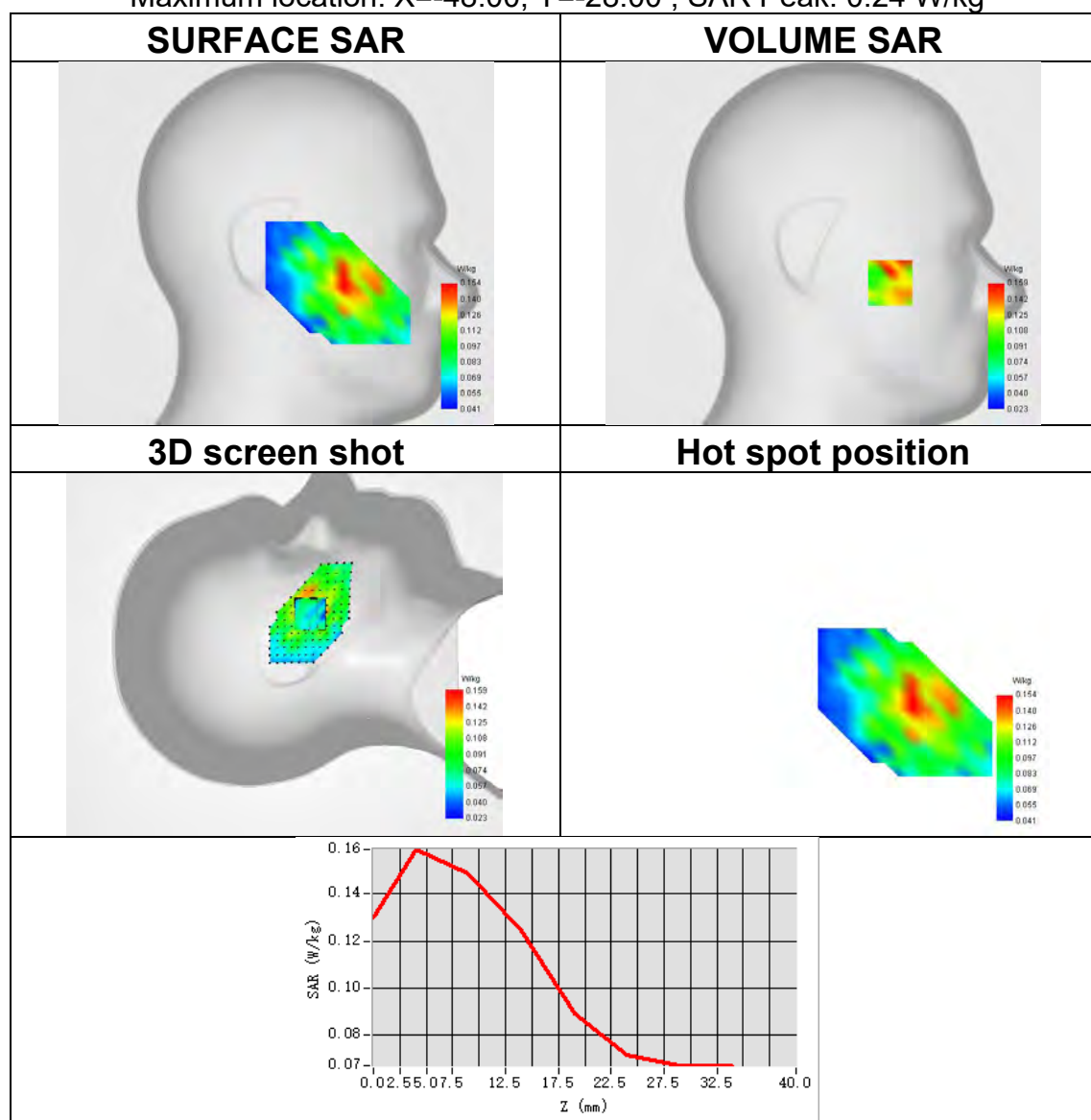
Maximum location: X=0.00, Y=-46.00 ; SAR Peak: 1.26 W/kg



Plot 33:

Test Date	2024-04-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 12
Signal	LTE FDD
Frequency	707.5
SAR 10g (W/Kg)	0.098
SAR 1g (W/Kg)	0.147
ConvF	1.68
Relative permittivity	41.41
Conductivity (S/m)	0.88

Maximum location: X=-48.00, Y=-28.00 ; SAR Peak: 0.24 W/kg

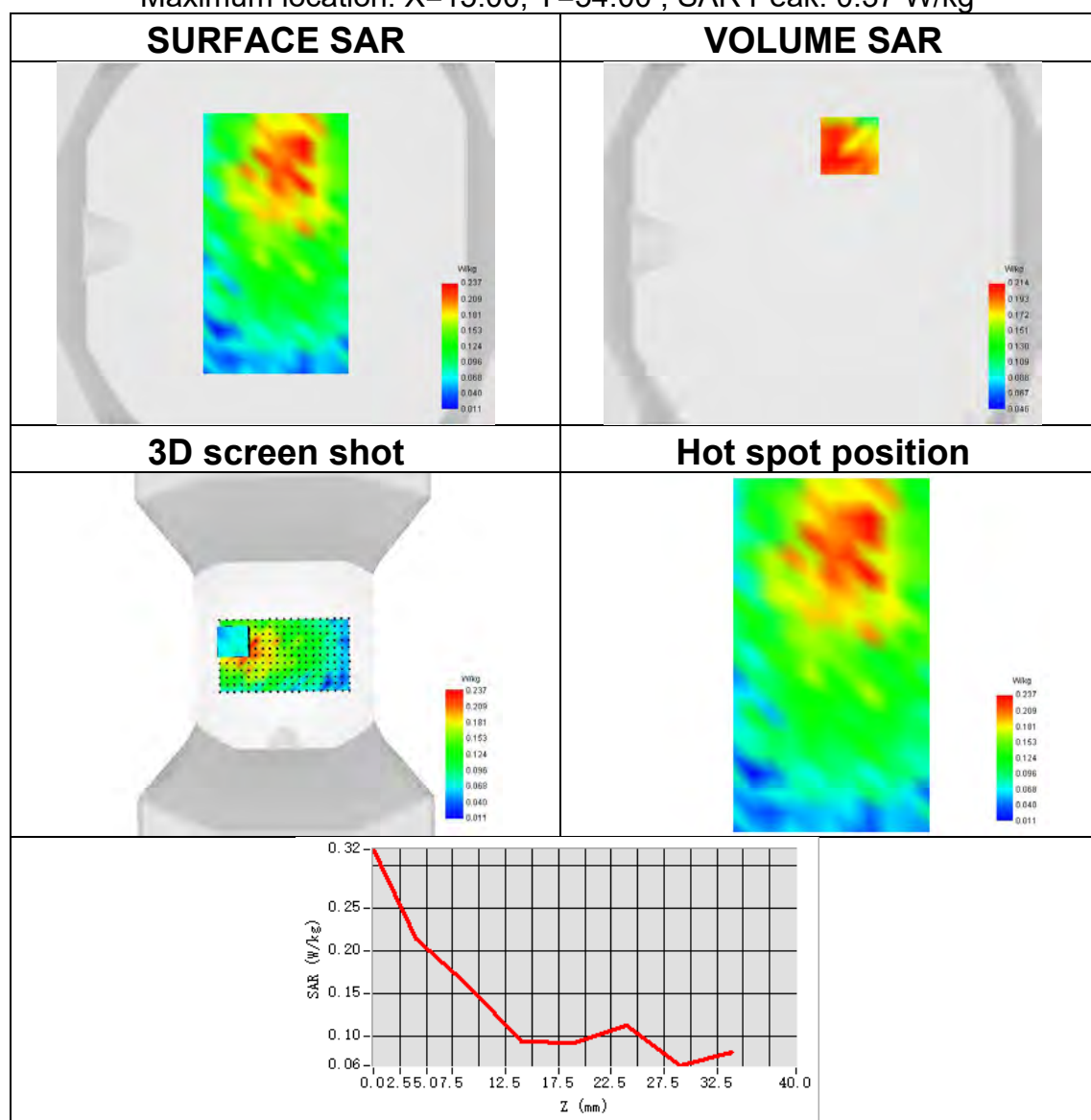




Plot 34:

Test Date	2024-04-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 12
Signal	LTE FDD
Frequency	707.5
SAR 10g (W/Kg)	0.138
SAR 1g (W/Kg)	0.235
ConvF	1.68
Relative permittivity	41.41
Conductivity (S/m)	0.88

Maximum location: X=15.00, Y=54.00 ; SAR Peak: 0.37 W/kg

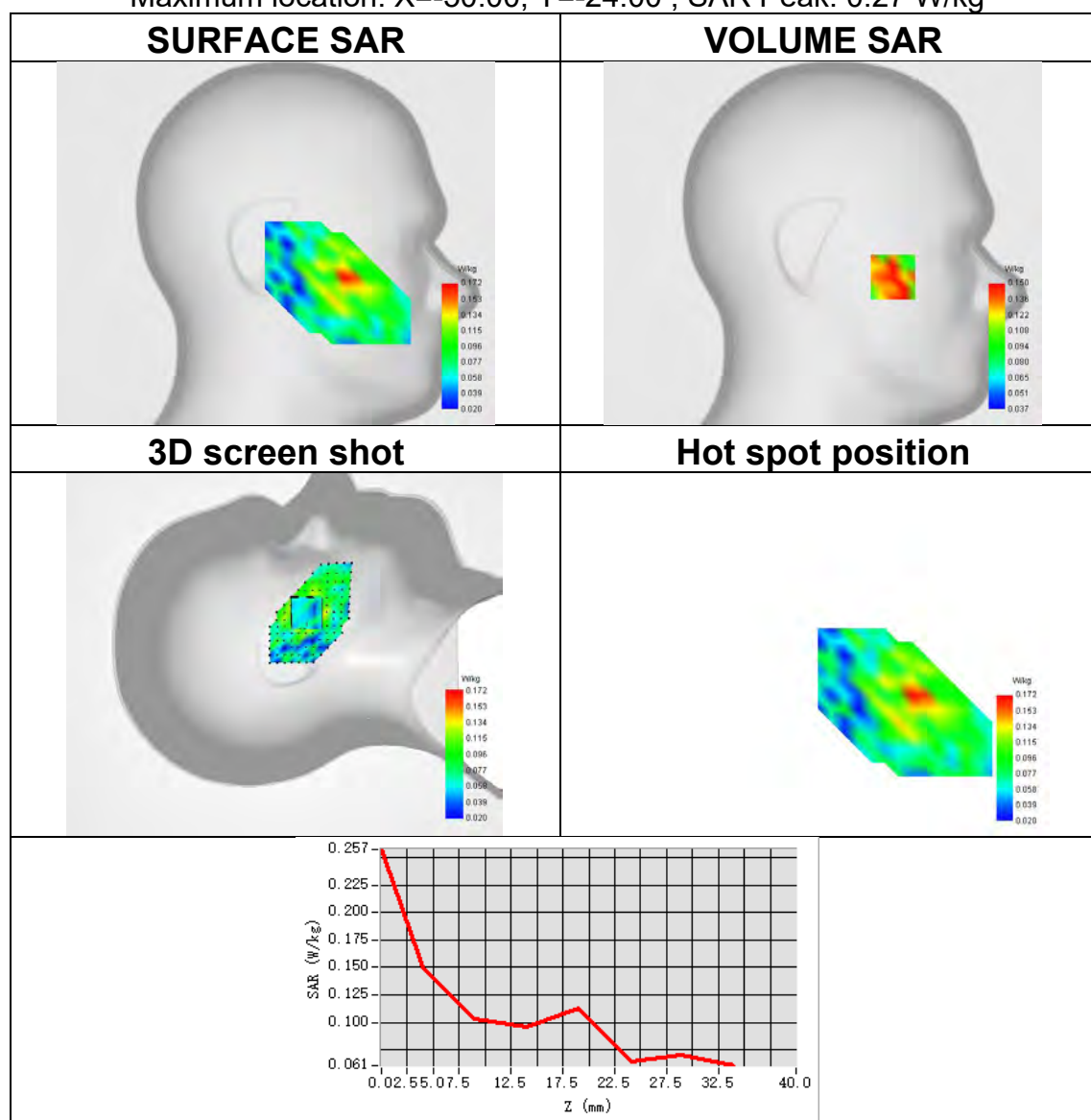




Plot 35:

Test Date	2024-04-26
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 13
Signal	LTE FDD
Frequency	782
SAR 10g (W/Kg)	0.103
SAR 1g (W/Kg)	0.162
ConvF	1.68
Relative permittivity	42.57
Conductivity (S/m)	0.85

Maximum location: X=-50.00, Y=-24.00 ; SAR Peak: 0.27 W/kg

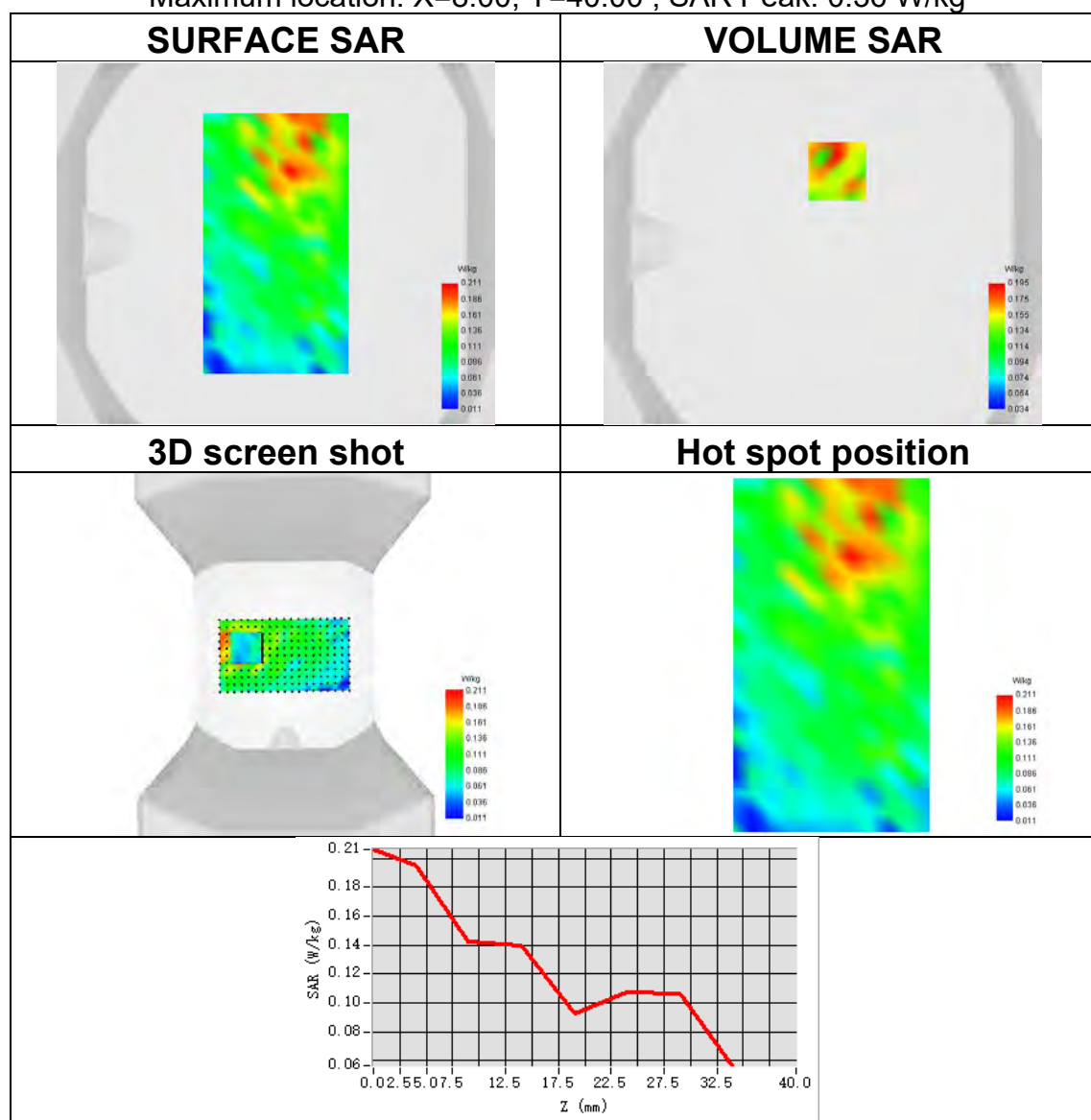




Plot 36:

Test Date	2024-04-26
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 13
Signal	LTE FDD
Frequency	782
SAR 10g (W/Kg)	0.113
SAR 1g (W/Kg)	0.203
ConvF	1.68
Relative permittivity	42.57
Conductivity (S/m)	0.85

Maximum location: X=8.00, Y=40.00 ; SAR Peak: 0.36 W/kg

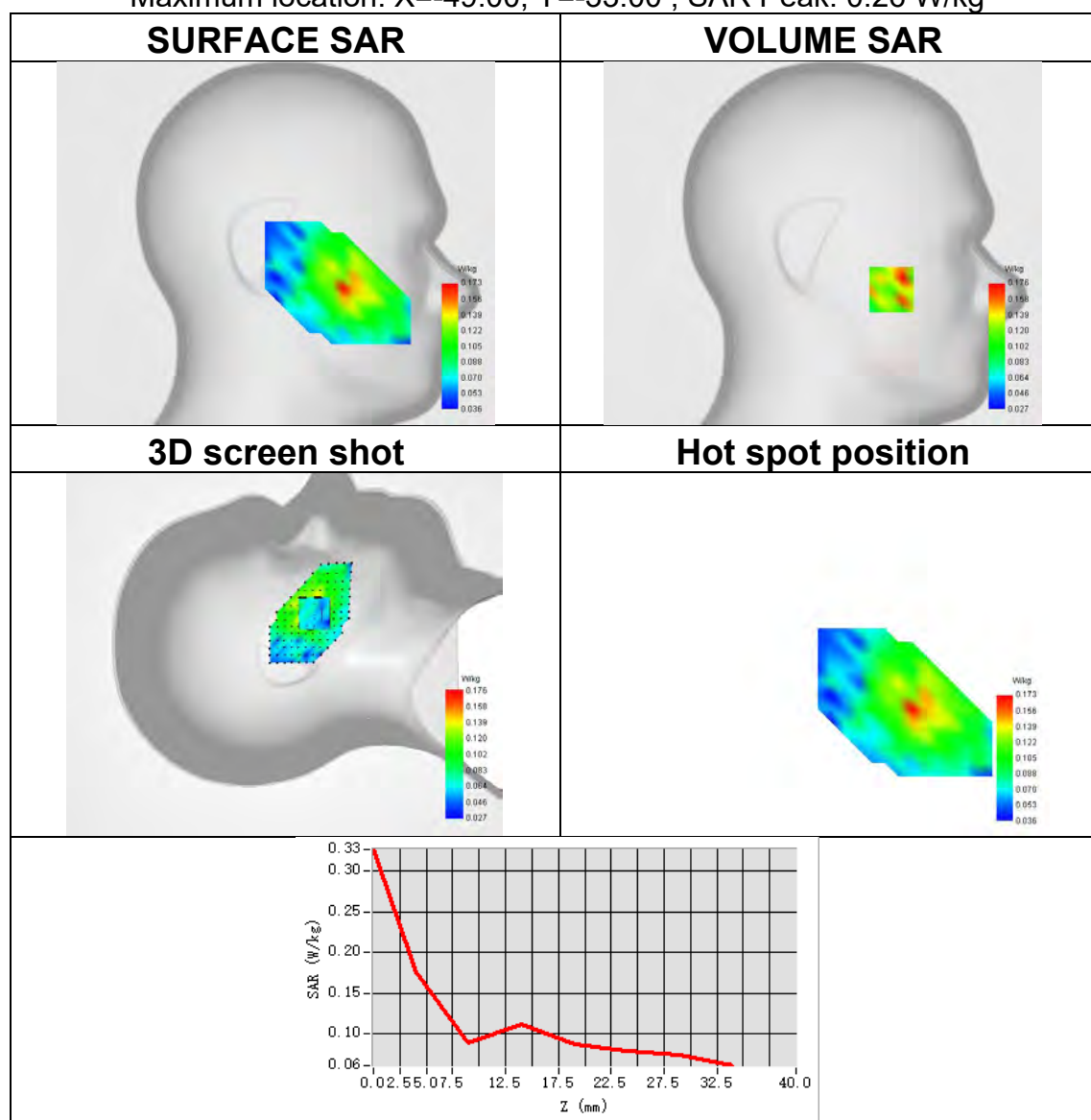




Plot 37:

Test Date	2024-04-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 17
Signal	LTE FDD
Frequency	709
SAR 10g (W/Kg)	0.099
SAR 1g (W/Kg)	0.168
ConvF	1.68
Relative permittivity	41.41
Conductivity (S/m)	0.88

Maximum location: X=-49.00, Y=-33.00 ; SAR Peak: 0.26 W/kg

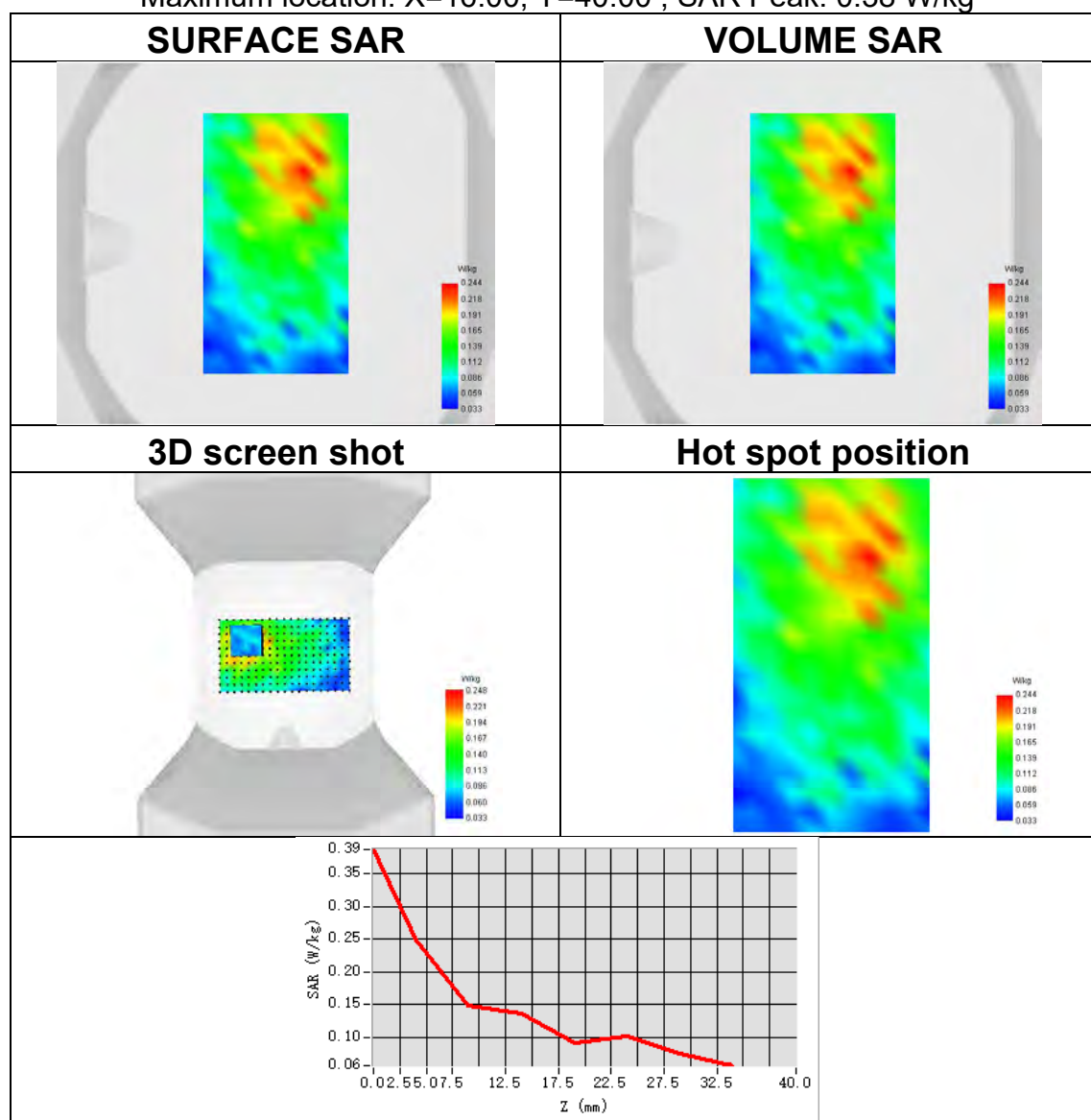




Plot 38:

Test Date	2024-04-26
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 17
Signal	LTE FDD
Frequency	709
SAR 10g (W/Kg)	0.139
SAR 1g (W/Kg)	0.241
ConvF	1.68
Relative permittivity	41.41
Conductivity (S/m)	0.88

Maximum location: X=16.00, Y=40.00 ; SAR Peak: 0.38 W/kg

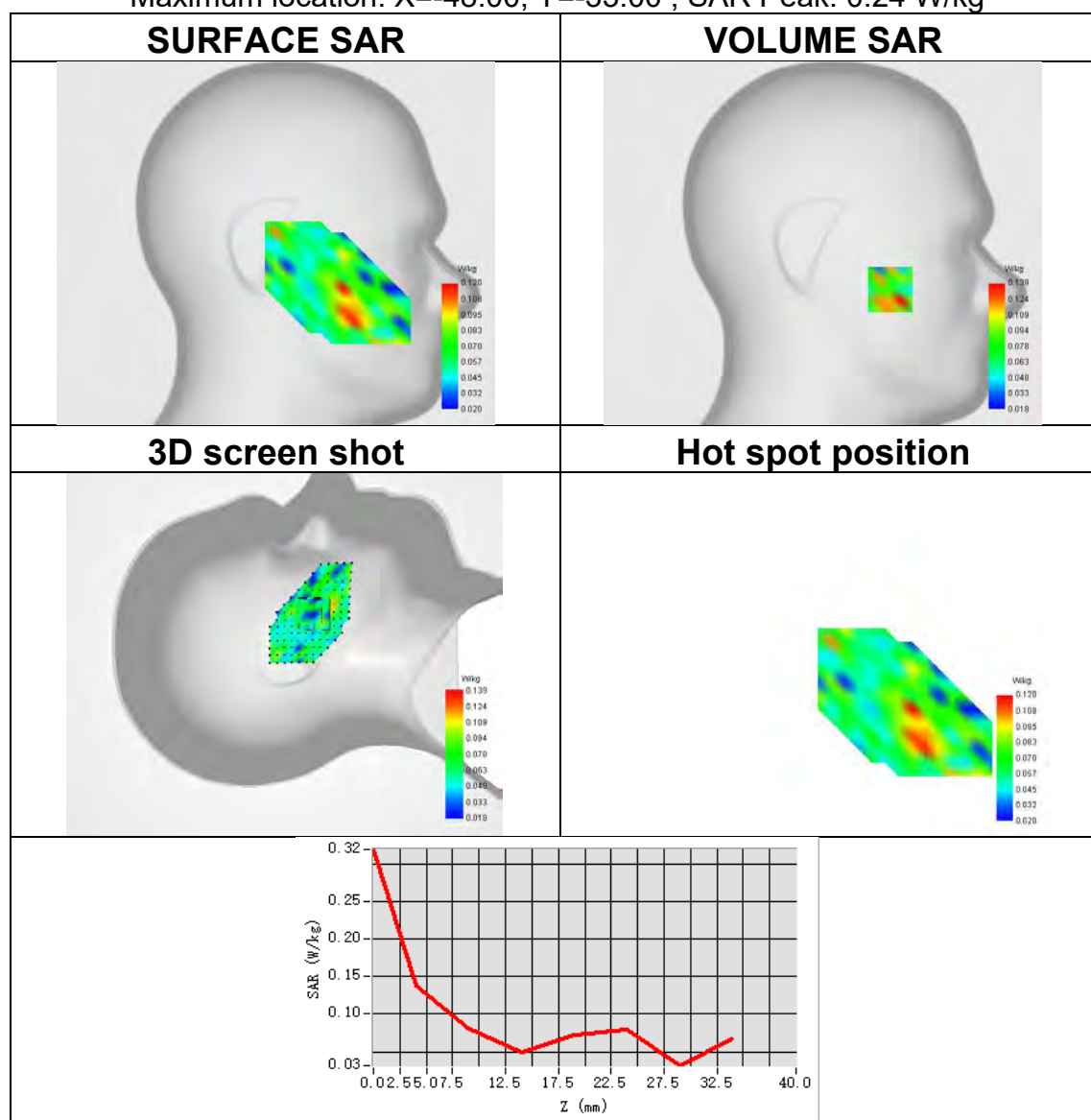




Plot 39:

Test Date	2024-04-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 25
Signal	LTE FDD
Frequency	1905
SAR 10g (W/Kg)	0.079
SAR 1g (W/Kg)	0.113
ConvF	2.24
Relative permittivity	40.67
Conductivity (S/m)	1.43

Maximum location: X=-48.00, Y=-33.00 ; SAR Peak: 0.24 W/kg

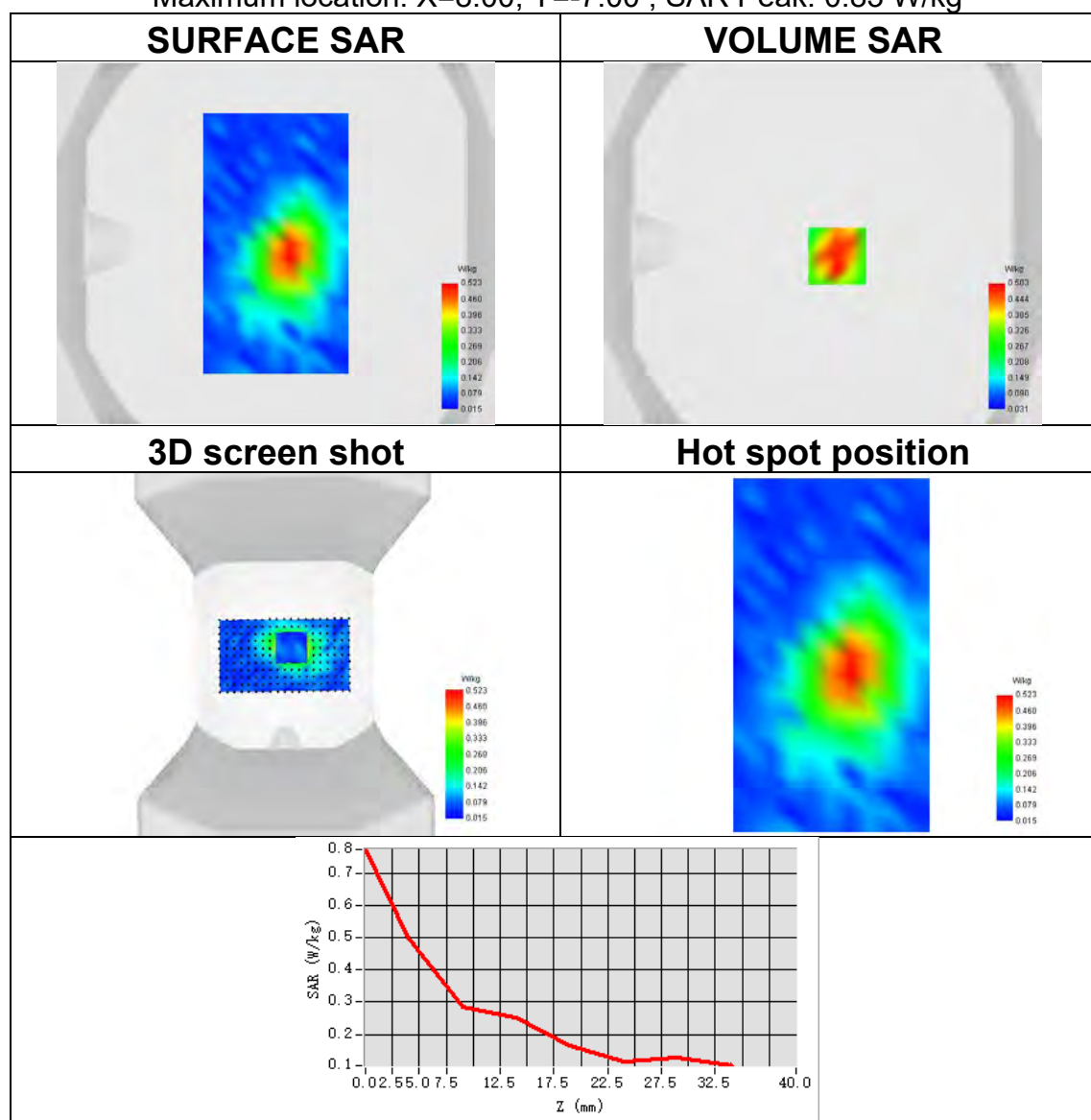




Plot 40:

Test Date	2024-04-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	LTE band 25
Signal	LTE FDD
Frequency	1905
SAR 10g (W/Kg)	0.284
SAR 1g (W/Kg)	0.490
ConvF	2.24
Relative permittivity	40.67
Conductivity (S/m)	1.43

Maximum location: X=8.00, Y=-7.00 ; SAR Peak: 0.83 W/kg

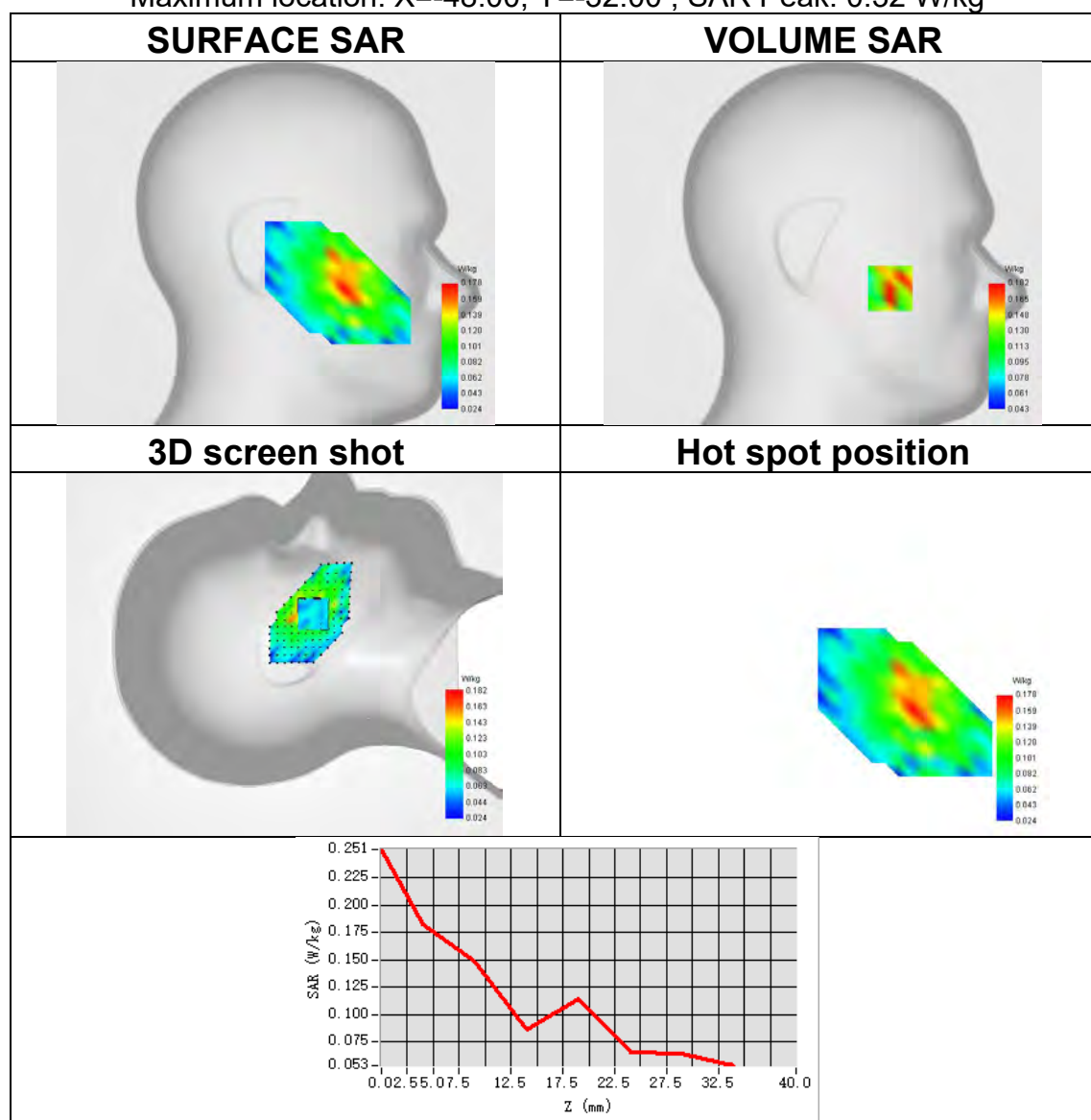




Plot 41:

Test Date	2024-04-23
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 26
Signal	LTE FDD
Frequency	841.5
SAR 10g (W/Kg)	0.105
SAR 1g (W/Kg)	0.169
ConvF	1.70
Relative permittivity	42.18
Conductivity (S/m)	0.93

Maximum location: X=-48.00, Y=-32.00 ; SAR Peak: 0.32 W/kg

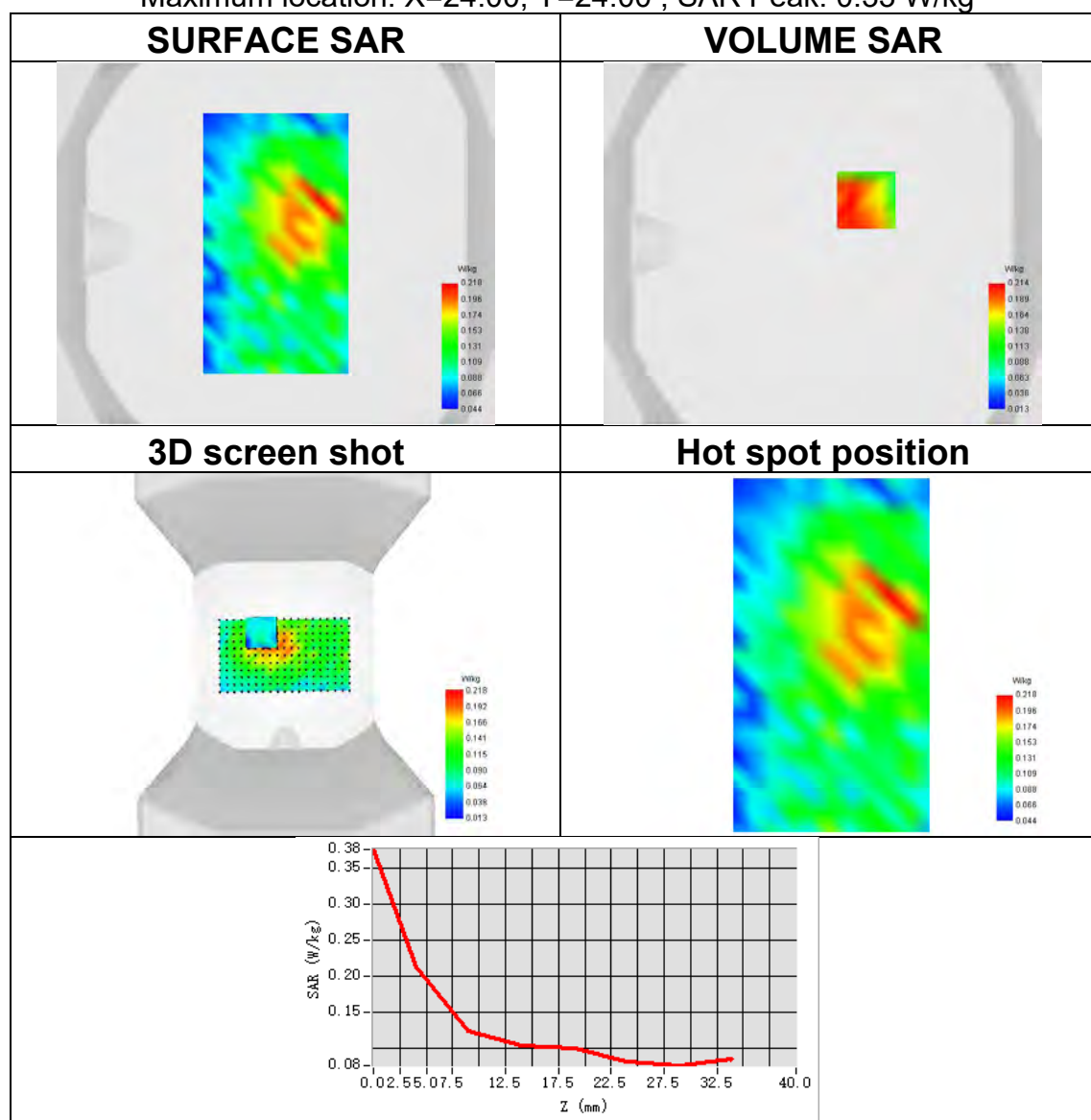




Plot 42:

Test Date	2024-04-23
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 26
Signal	LTE FDD
Frequency	841.5
SAR 10g (W/Kg)	0.122
SAR 1g (W/Kg)	0.211
ConvF	1.70
Relative permittivity	42.18
Conductivity (S/m)	0.93

Maximum location: X=24.00, Y=24.00 ; SAR Peak: 0.33 W/kg

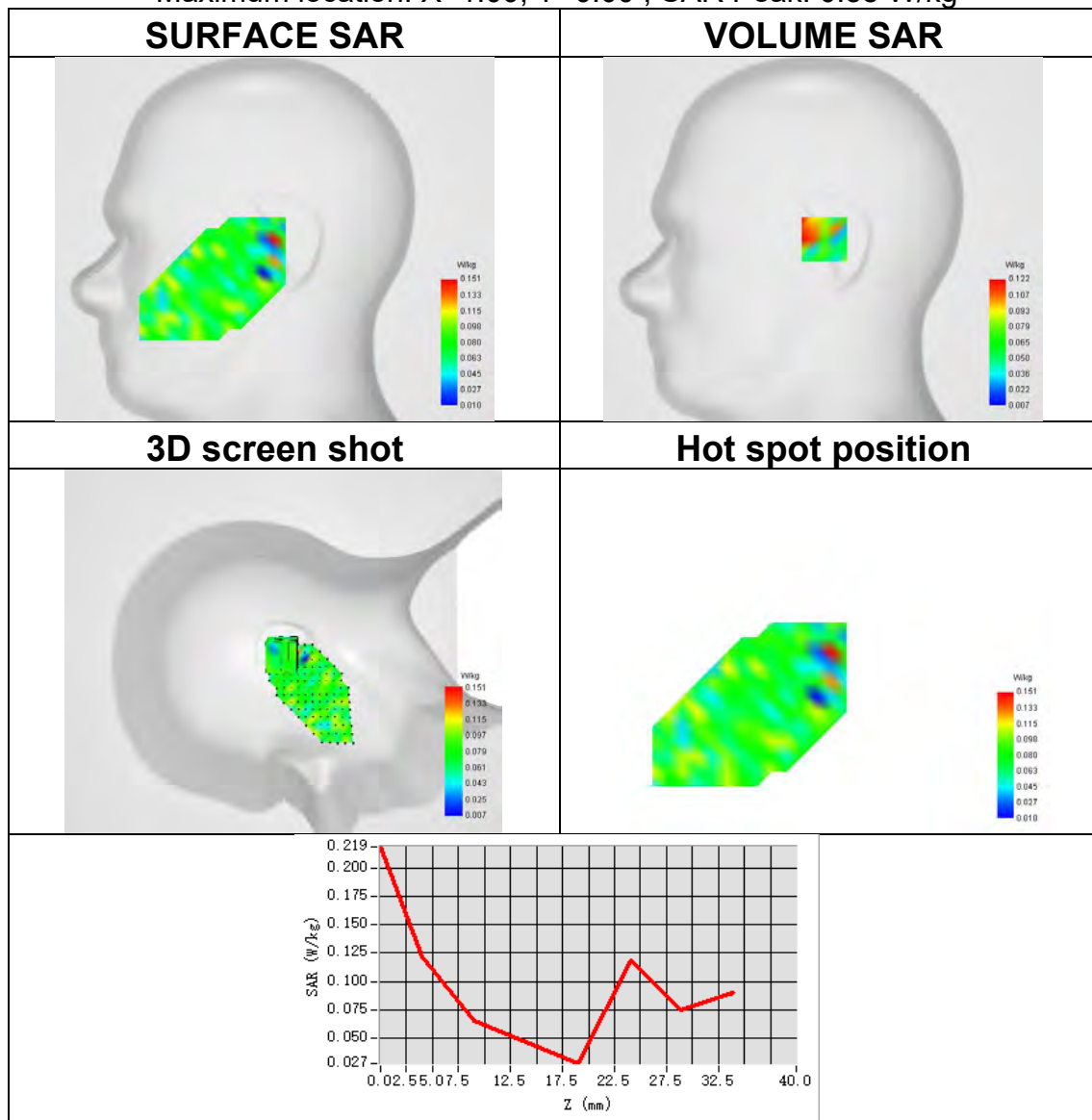




Plot 43:

Test Date	2024-04-22
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 38
Signal	LTE TDD
Frequency	2580
SAR 10g (W/Kg)	0.065
SAR 1g (W/Kg)	0.117
ConvF	2.35
Relative permittivity	40.36
Conductivity (S/m)	1.94

Maximum location: X=1.00, Y=0.00 ; SAR Peak: 0.35 W/kg

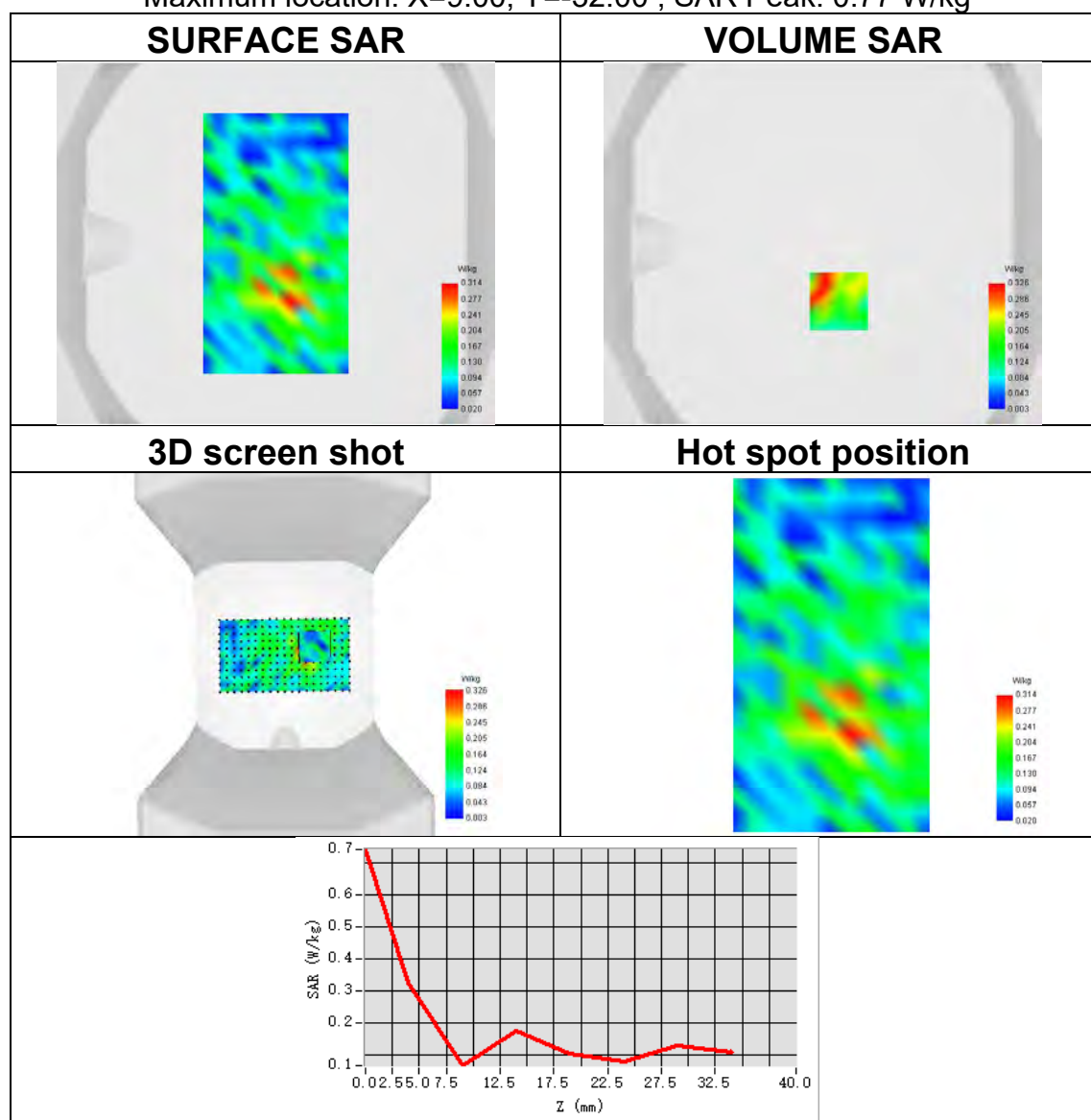




Plot 44:

Test Date	2024-04-22
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 38
Signal	LTE TDD
Frequency	2580
SAR 10g (W/Kg)	0.163
SAR 1g (W/Kg)	0.357
ConvF	2.35
Relative permittivity	40.36
Conductivity (S/m)	1.94

Maximum location: X=9.00, Y=-32.00 ; SAR Peak: 0.77 W/kg

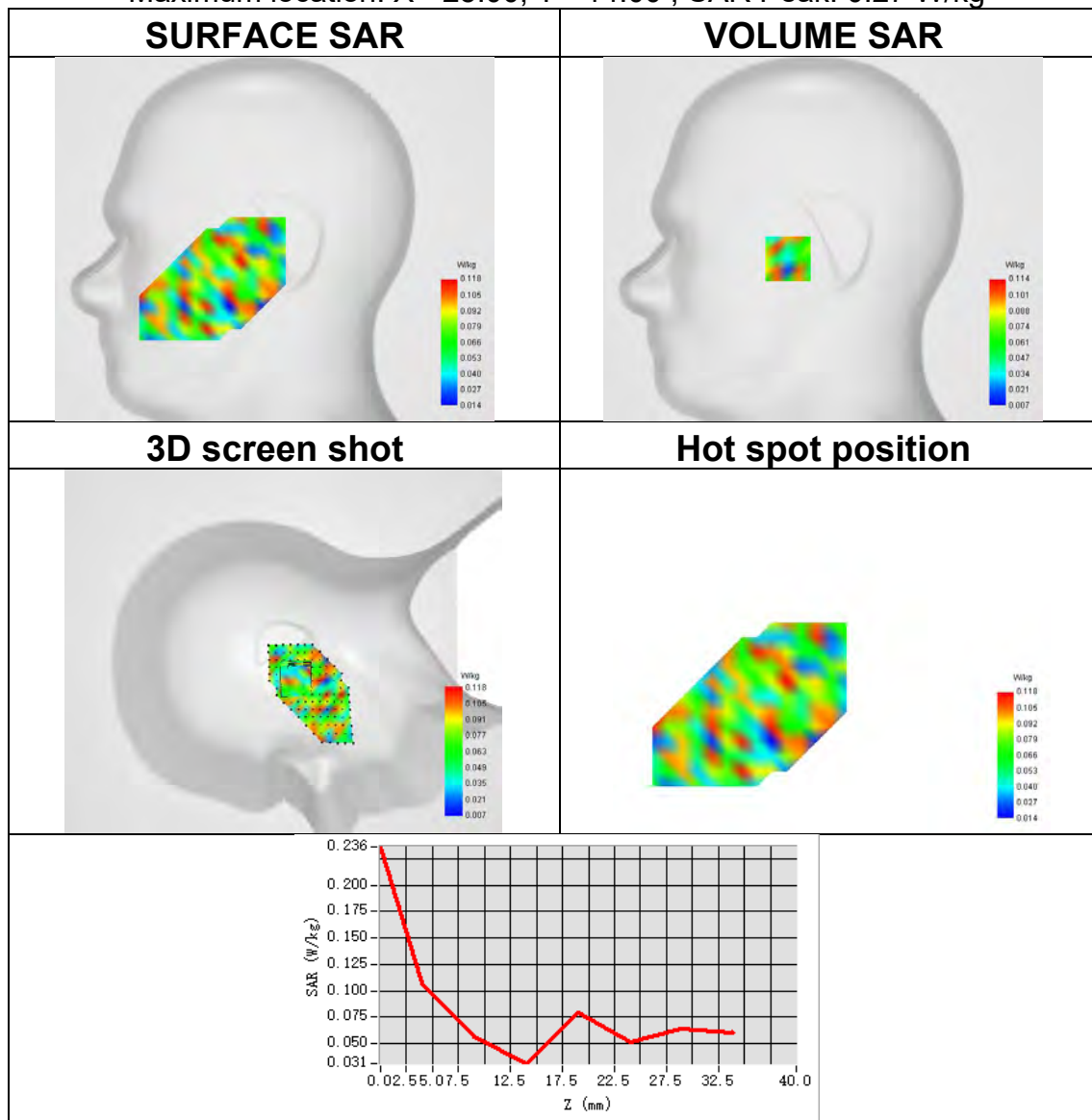




Plot 45:

Test Date	2024-04-25
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 40
Signal	LTE TDD
Frequency	2310
SAR 10g (W/Kg)	0.044
SAR 1g (W/Kg)	0.105
ConvF	2.31
Relative permittivity	39.83
Conductivity (S/m)	1.72

Maximum location: X=-25.00, Y=-14.00 ; SAR Peak: 0.27 W/kg

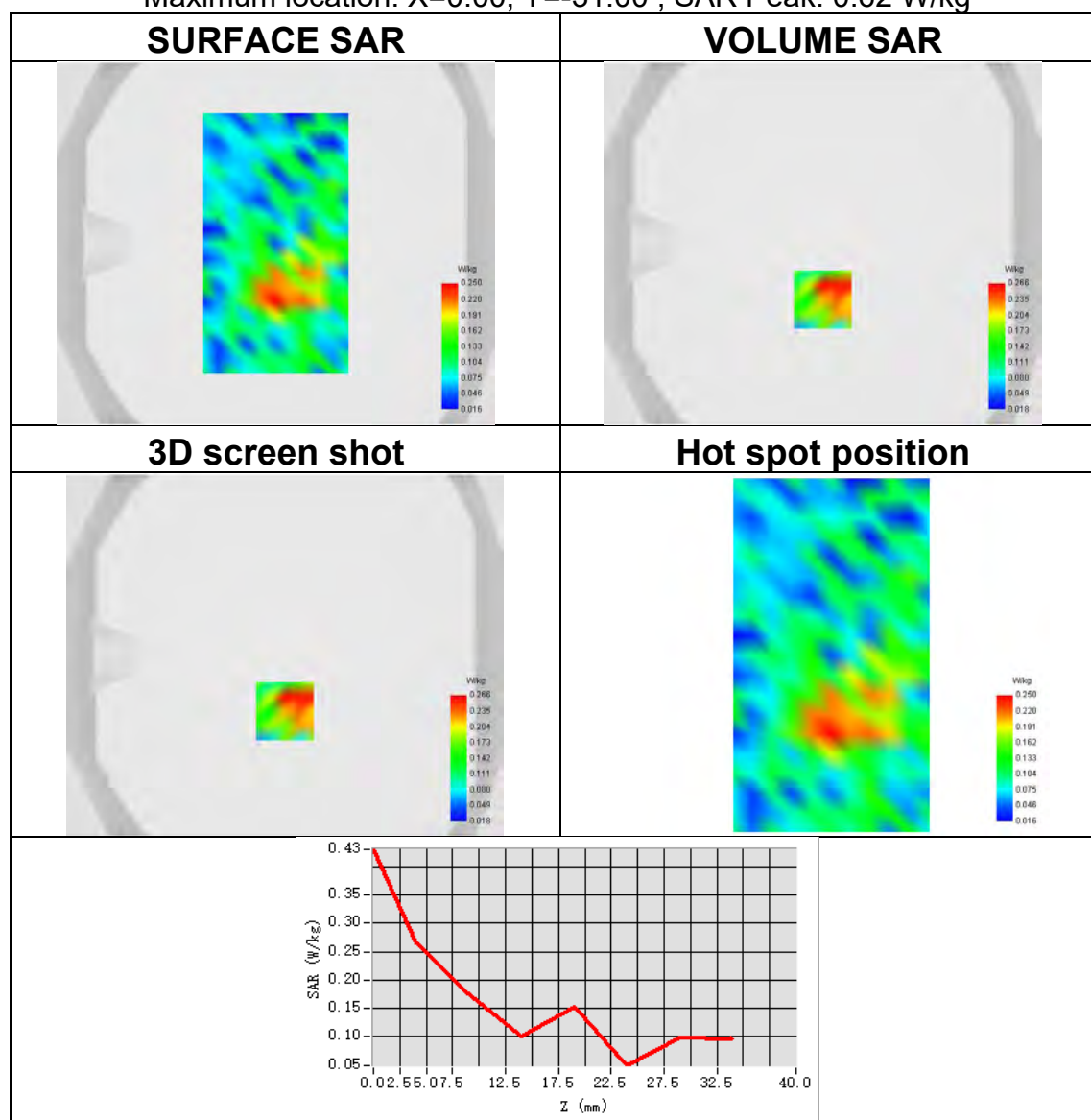




Plot 46:

Test Date	2024-04-25
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 40
Signal	LTE TDD
Frequency	2310
SAR 10g (W/Kg)	0.132
SAR 1g (W/Kg)	0.282
ConvF	2.31
Relative permittivity	39.83
Conductivity (S/m)	1.72

Maximum location: X=0.00, Y=-31.00 ; SAR Peak: 0.62 W/kg

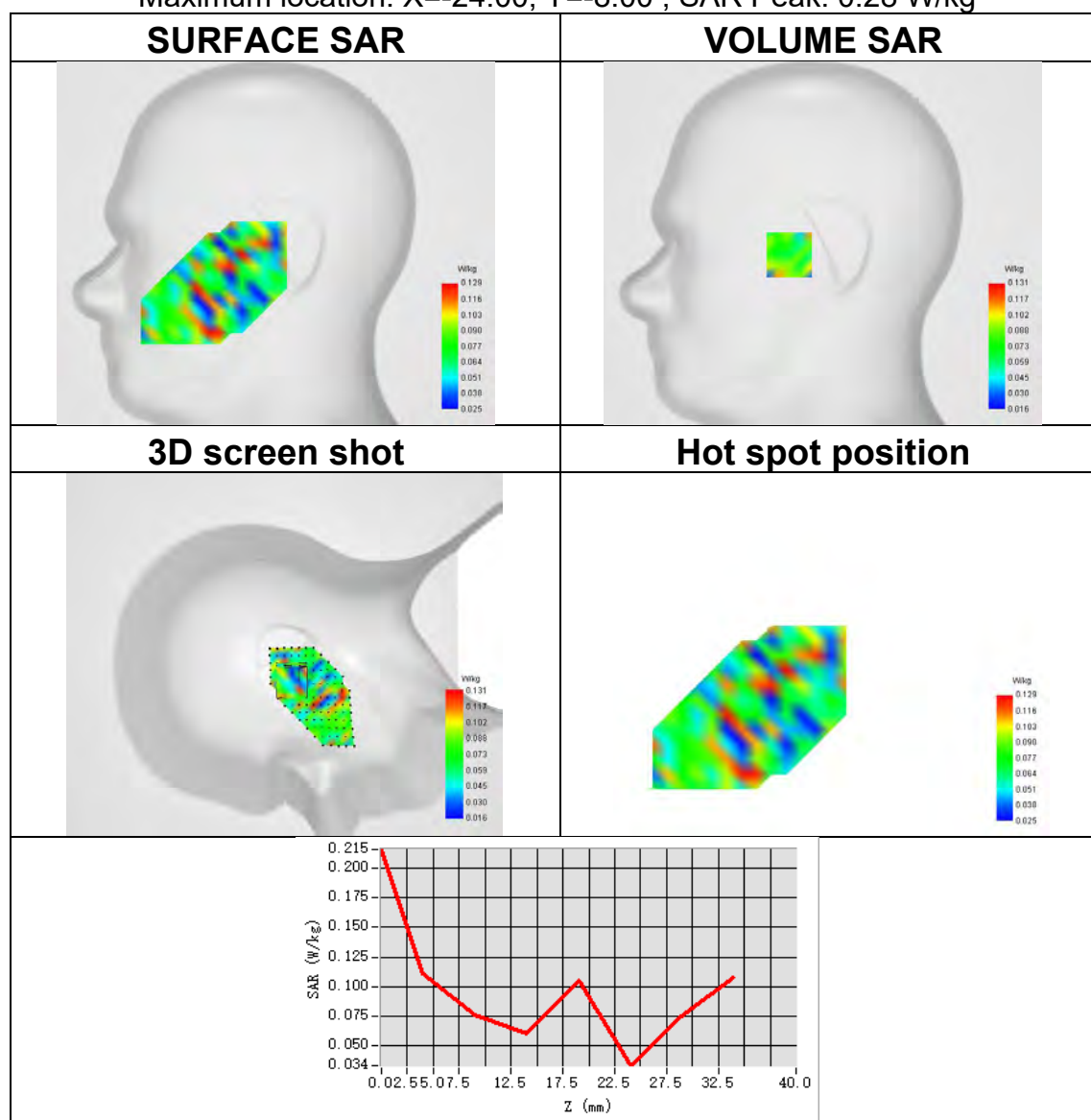




Plot 47:

Test Date	2024-04-28
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 41
Signal	LTE TDD
Frequency	2680
SAR 10g (W/Kg)	0.064
SAR 1g (W/Kg)	0.119
ConvF	2.35
Relative permittivity	39.36
Conductivity (S/m)	1.97

Maximum location: X=-24.00, Y=-8.00 ; SAR Peak: 0.28 W/kg

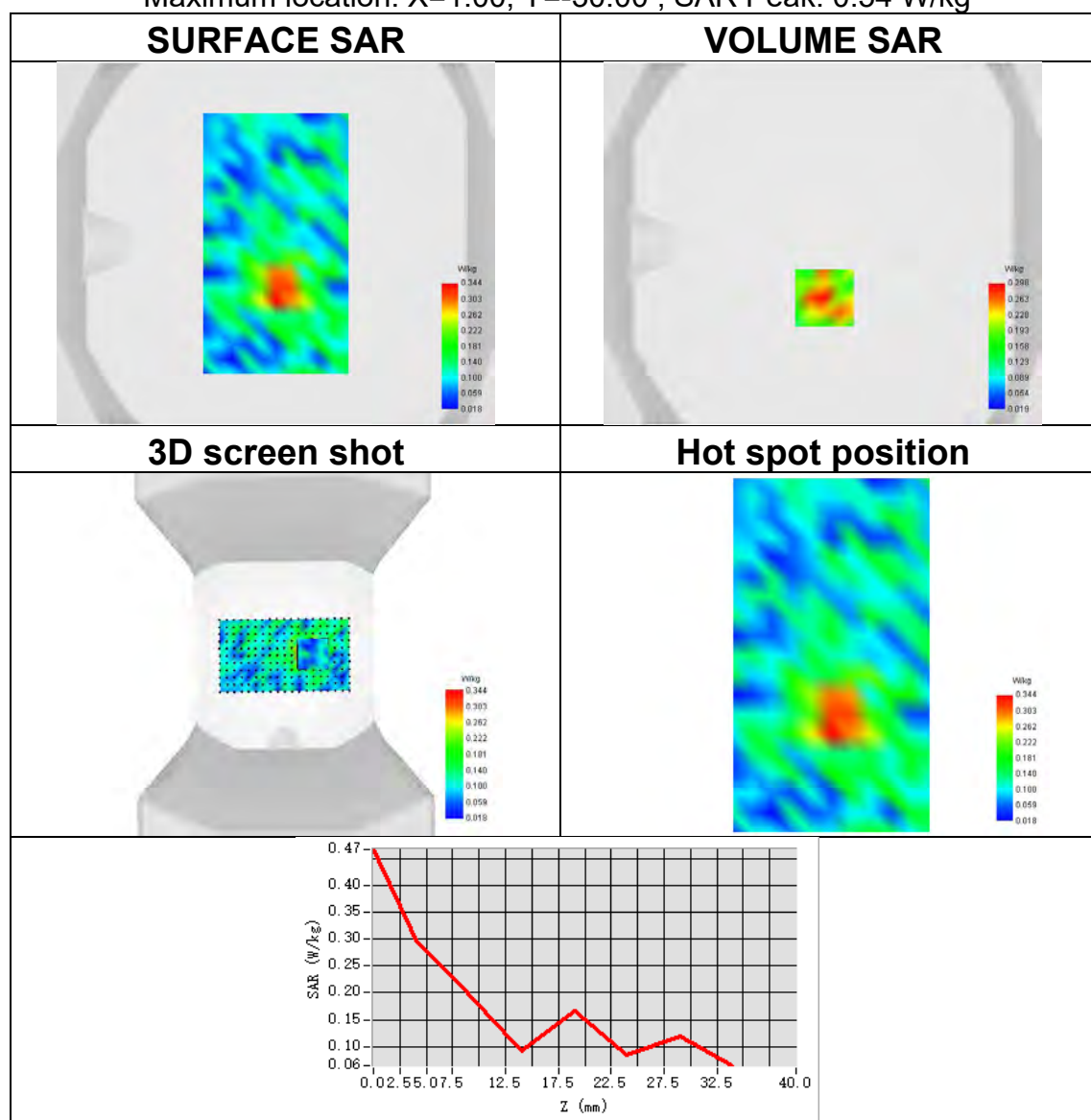




Plot 48:

Test Date	2024-04-28
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 41
Signal	LTE TDD
Frequency	2680
SAR 10g (W/Kg)	0.182
SAR 1g (W/Kg)	0.308
ConvF	2.35
Relative permittivity	39.36
Conductivity (S/m)	1.97

Maximum location: X=1.00, Y=-30.00 ; SAR Peak: 0.54 W/kg

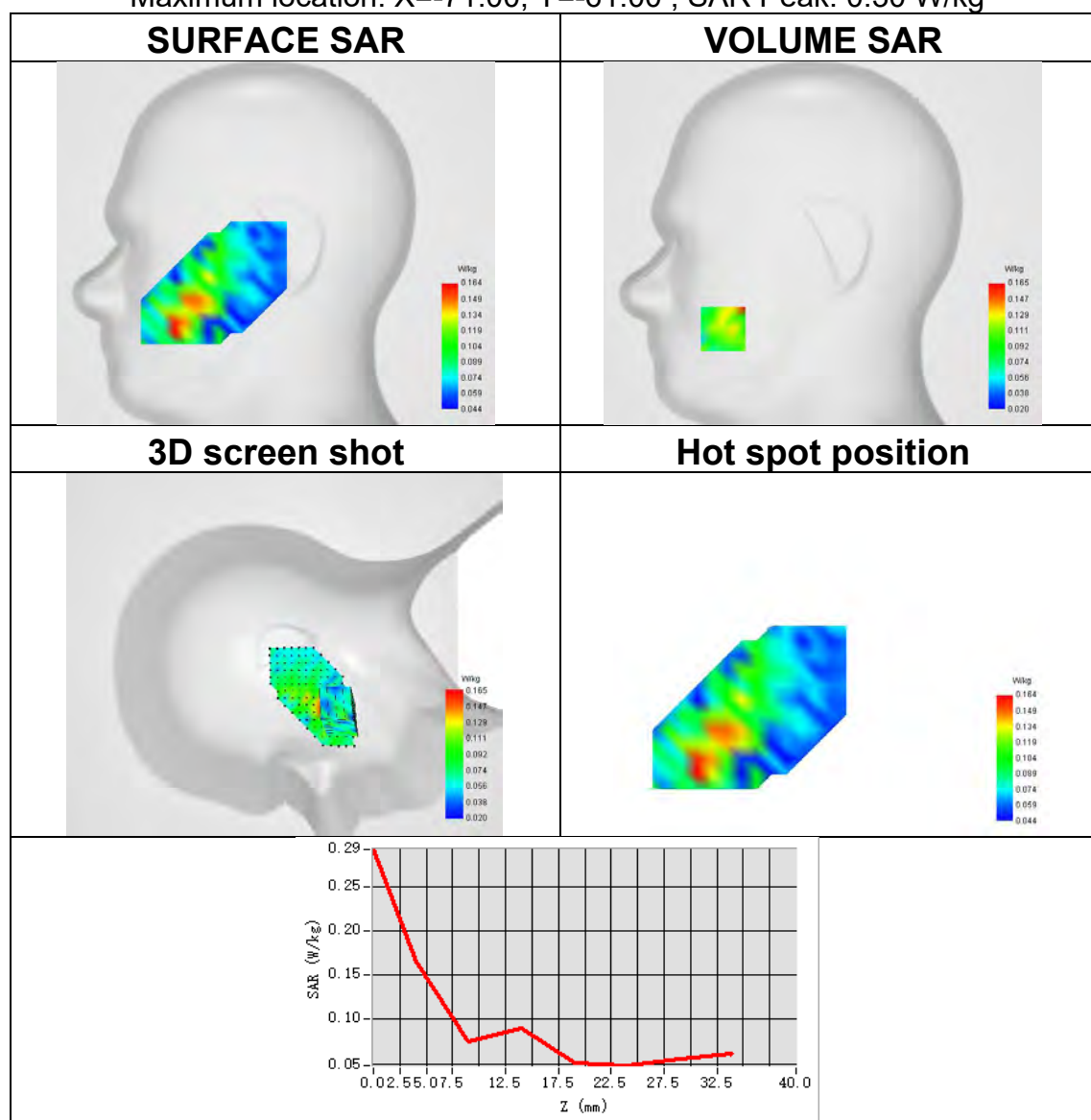




Plot 49:

Test Date	2024-04-21
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 66
Signal	LTE FDD
Frequency	1745
SAR 10g (W/Kg)	0.119
SAR 1g (W/Kg)	0.219
ConvF	1.91
Relative permittivity	40.51
Conductivity (S/m)	1.45

Maximum location: X=-71.00, Y=-61.00 ; SAR Peak: 0.30 W/kg

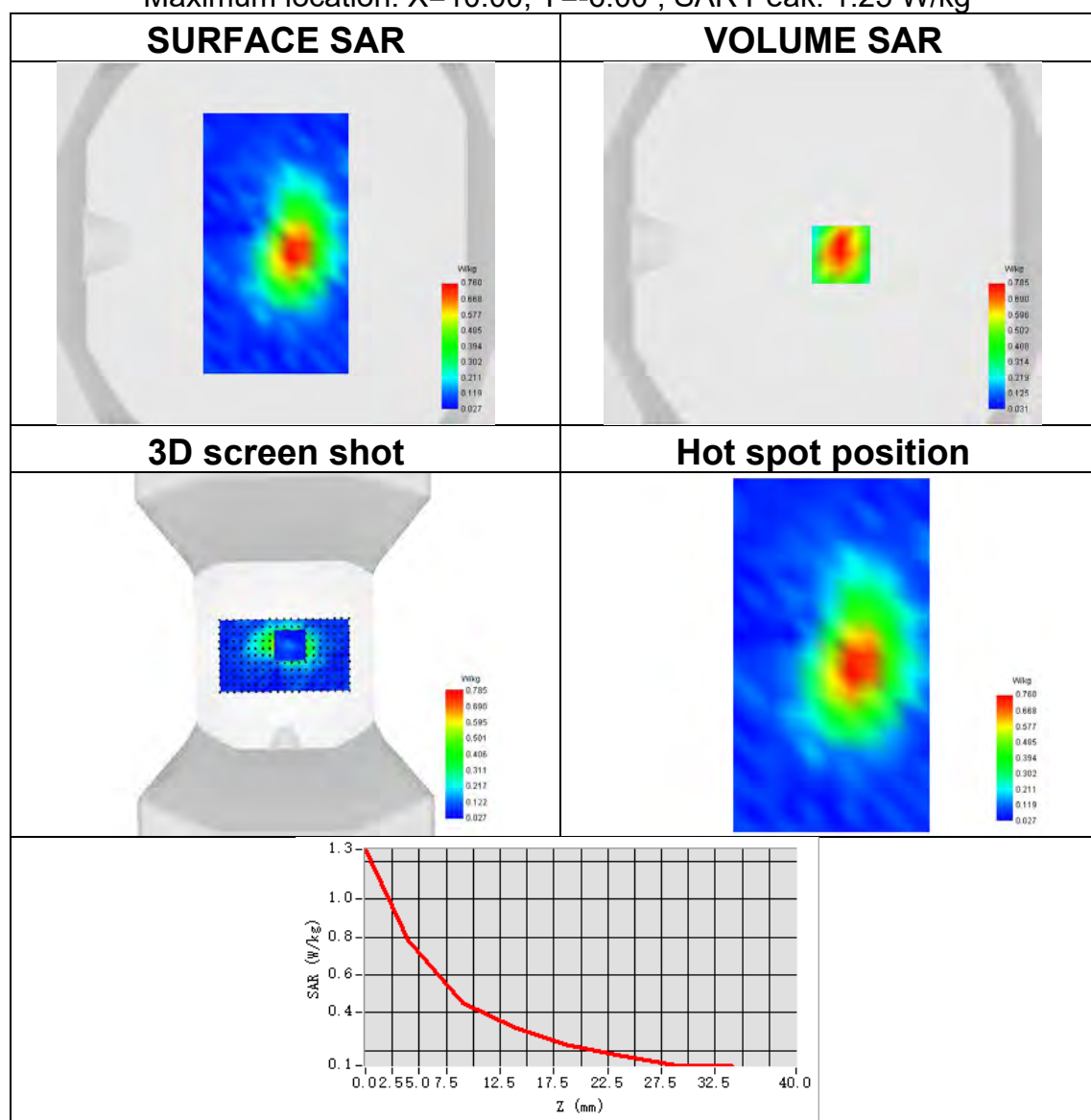




Plot 50:

Test Date	2024-04-21
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 66
Signal	LTE FDD
Frequency	1745
SAR 10g (W/Kg)	0.435
SAR 1g (W/Kg)	0.767
ConvF	1.91
Relative permittivity	40.51
Conductivity (S/m)	1.45

Maximum location: X=10.00, Y=-6.00 ; SAR Peak: 1.25 W/kg





Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※※END OF THE REPORT※※※※※