



SAR TEST REPORT

Product Name: Mobile Phone

Model Number: WORLD

FCC ID: 2BH83-WORLD

Issued For : Full Technology Trade Limited

RM 13,UNIT A1,2/F.,PHASE 1,KAISER ESTATE,NO.41
MAN YUE STREET,HUNGHOM,KLN HONG KONG,China

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

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Report Number: LGT25J011HA01

Sample Received Date: Oct. 13, 2025

Date of Test Oct. 13, 2025 ~ Nov. 04, 2025

Date of Issue Nov. 04, 2025

Head:1.050 W/kg

Max. SAR (1g)

Body:0.577 W/kg

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Rev.	Issue Date	Contents
00	Nov. 04, 2025	Initial Issue



TEST REPORT CERTIFICATION

Applicant Full Technology Trade Limited
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Manufacture Full Technology Trade Limited
Address RM 13,UNIT A1,2/F.,PHASE 1,KAISER ESTATE,NO.41
MAN YUE STREET,HUNGHOM,KLN HONG KONG,China
Product Name Mobile Phone
Trademark Lifephone
Model Number WORLD
Sample number LGT2510021-5

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
ANSI/IEEE Std. C95.1-2019 FCC 47 CFR Part 2 (2.1093) IEEE 1528: 2013	PASS

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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	Mobile Phone		
Test Model Number	WORLD		
Series Number	N/A		
Model Difference	N/A		
Device Category	Portable		
Product stage	Production unit		
RF Exposure Environment	General Population / Uncontrolled		
Hardware Version	9586-MB-V0.1		
Software Version	LIFEPHONE_WORLD_A15_9863_V01.05_11-10-2025 1653		
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 LTE Band 2: 1850 ~ 1910 MHz LTE Band 4: 1710 ~ 1755 MHz LTE Band 5: 824 ~ 849 MHz LTE Band 7: 2500 ~ 2570 MHz LTE Band 12: 699 ~ 716 MHz LTE Band 13: 777 ~ 787 MHz LTE Band 17: 704 ~ 716 MHz LTE Band 38: 2570 ~ 2620 MHz LTE Band 40: 2305 ~ 2315 MHz / 2350 ~ 2360 MHz LTE Band 66: 1710 ~ 1780 MHz WLAN 802.11b/g/n20: 2412 MHz ~ 2462 MHz Bluetooth: 2402 ~ 2480 MHz NFC: 13.56 MHz		
Max. Reported SAR(1g): (Limit: 1.6W/kg) Test distance: Head: 0mm Body: 10mm	Mode	Head (W/ kg)	Body Worn and Hotspot (W/ kg)
	GSM 850	0.251	0.213
	PCS 1900	0.951	0.408
	WCDMA Band II	0.757	0.251
	WCDMA Band IV	1.022	0.404
	WCDMA Band V	0.189	0.23
	LTE Band 2	0.788	0.515
	LTE Band 4	0.668	0.368
	LTE Band 5	0.2117	0.196
	LTE Band 7	0.948	0.577
	LTE Band 12	0.232	0.07
	LTE Band 13	0.173	0.13
	LTE Band 17	0.241	0.292
	LTE Band 38	0.519	0.233
	LTE Band 40	0.146	0.194
	LTE Band 66	1.05	0.372
	2.4G WLAN	0.394	0.153



	Bluetooth ^{Note}	0.210	0.210
	NFC ^{Note}	0.0000004	0.0000004
1-g Sum SAR		1.444	0.787
Battery	Rated Voltage:3.87V Capacity: 4900mAh		
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/EGPRS Class 12 WCDMA: RMC, HSDPA, HSUPA Release 6 LTE: QPSK, 16QAM 2.4G WLAN: 802.11b(DSSS): CCK, DQPSK, DBPSK 802.11g(OFDM): BPSK, QPSK,16-QAM,64-QAM 802.11n(OFDM): BPSK, QPSK,16-QAM,64-QAM 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 and NFC 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. C95.1-2019	IEEE Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic, and Electromagnetic Fields, 0 Hz 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

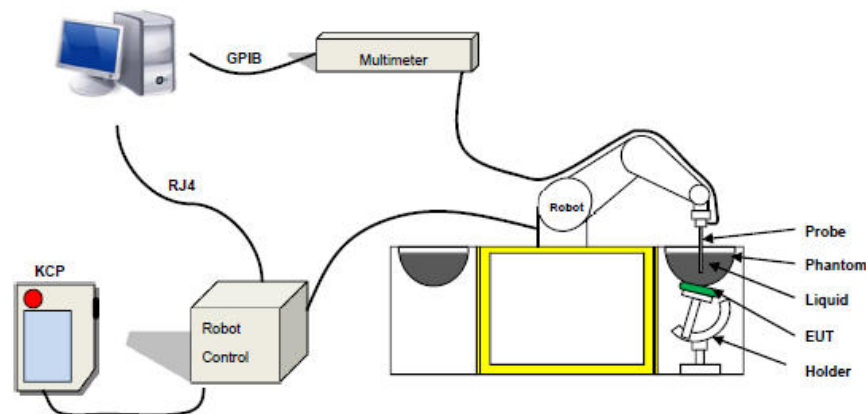
$$SAR = \frac{\sigma E^2}{\rho}$$

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 2225-EPGO-450 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: 0.15 GHz to 7.5 GHz for head 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.

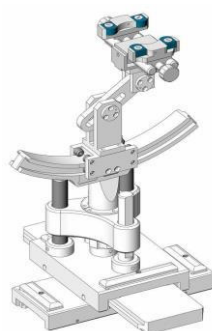


Figure-SN 06/22 SAM 148



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]					
2025-10-20	23.5	48	750	23.2	Permittivity	41.90	42.68	1.86	±5
					Conductivity	0.89	0.88	-1.12	±5
2025-10-23	22.2	49	750	21.9	Permittivity	41.90	42.39	1.17	±5
					Conductivity	0.89	0.92	3.37	±5
2025-10-16	21.3	48	835	21	Permittivity	41.50	42.34	2.02	±5
					Conductivity	0.90	0.88	-2.22	±5
2025-10-24	21.2	54	1800	20.9	Permittivity	40.00	40.73	1.82	±5
					Conductivity	1.40	1.39	-0.71	±5
2025-10-25	20.8	49	1900	20.5	Permittivity	40.00	41.09	2.73	±5
					Conductivity	1.40	1.44	2.86	±5
2025-10-26	22.4	60	2300	22.2	Permittivity	39.47	40.02	1.40	±5
					Conductivity	1.67	1.68	0.80	±5
2025-10-16	21.7	58	2450	21.4	Permittivity	39.20	39.90	1.79	±5
					Conductivity	1.80	1.73	-3.89	±5
2025-10-15	20.9	57	2600	20.6	Permittivity	39.00	39.87	2.23	±5
					Conductivity	1.96	1.94	-1.02	±5

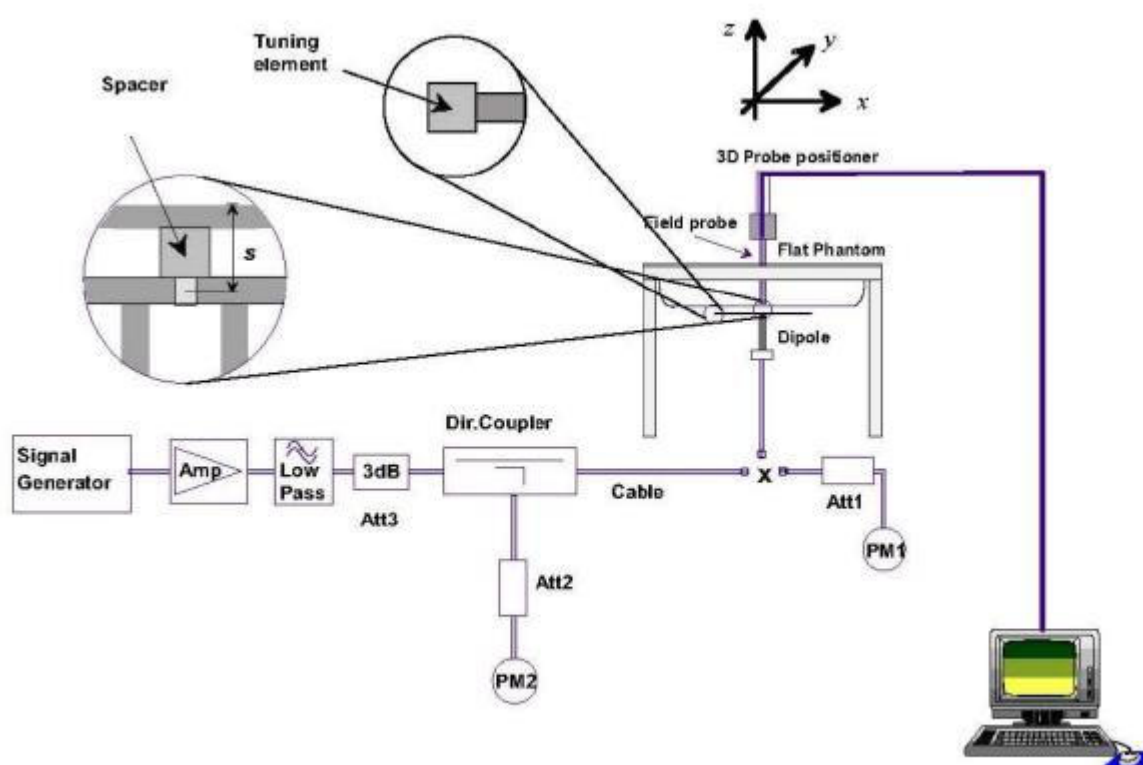


5. SAR System Validation

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	Power drift	Tested Value	Normalized SAR	Target SAR	Tolerance
	(MHz)	(mW)	(%)	(W/Kg)	(W/kg)	1g(W/kg)	(%)
2025-10-20	750	100	0.866	8.66	8.51	1.76	10
2025-10-23	750	100	0.880	8.80	8.51	3.41	10
2025-10-16	835	100	0.989	9.89	9.63	2.70	10
2025-10-24	1800	100	3.659	36.59	36.60	-0.03	10
2025-10-25	1900	100	4.039	40.39	40.20	0.47	10
2025-10-26	2300	100	4.935	49.35	49.29	0.12	10
2025-10-16	2450	100	5.296	52.96	52.98	-0.04	10
2025-10-15	2600	100	5.653	56.53	56.15	0.68	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.

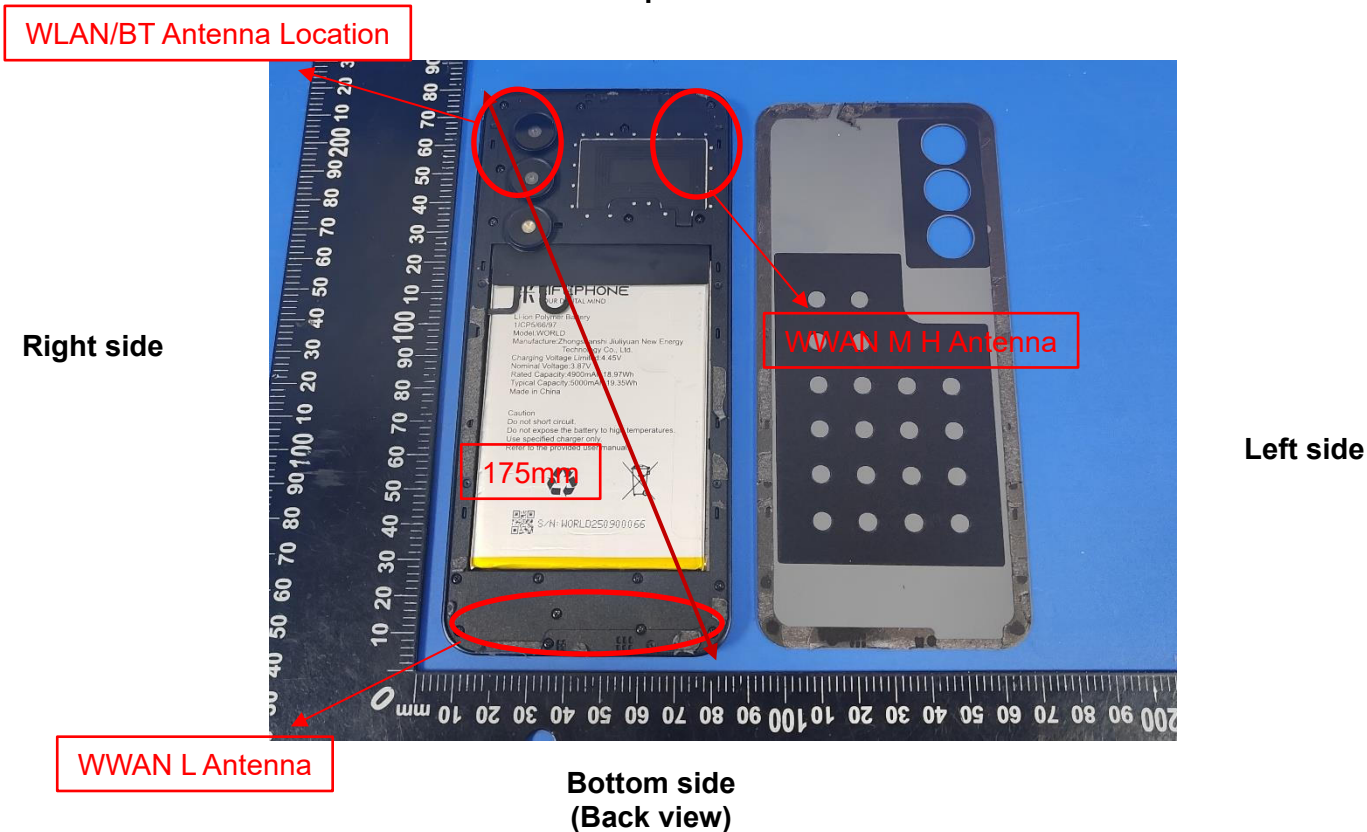
When the 1-g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.



7. EUT Antenna Location Sketch

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

Top side



Bottom side
(Back view)

Antenna Separation Distance(mm)						
ANT	Back Side	Front Side	Left Side	Right Side	Top Side	Bottom Side
WLAN/BT	≤0.5	≤0.5	60	≤0.5	≤0.5	165
WWAN M/H ANT	≤0.5	≤0.5	≤0.5	60	≤0.5	165
WWAN L ANT	≤0.5	≤0.5	25	≤0.5	160	≤0.5

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)	824.2	1850.2	1852.4	1752.4	846.6
	Maximum Turn-up power (dBm)	34.3	30.7	24	24	24.5
	Maximum rated power(mW)	2691.53	1174.90	251.19	251.19	281.84
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.52	11.03	11.02	11.33	16.30
	Testing required?	YES	YES	YES	YES	YES
Front Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.52	11.03	11.02	11.33	16.30
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	25	5	5	5	25
	exclusion threshold(mW)	82.61	11.03	11.02	11.33	81.51
	Testing required?	YES	YES	YES	YES	YES
Right Edge	Separation distance (mm)	5	60	60	60	5
	exclusion threshold(mW)	16.52	210.28	210.21	213.31	16.30
	Testing required?	YES	YES	YES	YES	YES
Top Edge	Separation distance (mm)	160	5	5	5	160
	exclusion threshold(mW)	769.64	11.03	11.02	11.33	783.86
	Testing required?	YES	YES	YES	YES	NO
Bottom Edge	Separation distance (mm)	5	165	165	165	5
	exclusion threshold(mW)	16.52	1260.28	1260.21	1263.31	16.30
	Testing required?	YES	NO	NO	NO	YES



Exposure Position	Wireless Interface	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12
	Calculated Frequency (MHz)	1860	1720	844	2510	704
	Maximum Turn-up power (dBm)	24.6	25.5	24.5	25.5	25.1
	Maximum rated power(mW)	288.40	354.81	281.84	354.81	323.59
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	11.00	11.44	16.33	9.47	17.88
	Testing required?	YES	YES	YES	YES	YES
Front Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	11.00	11.44	16.33	9.47	17.88
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	5	5	25	5	25
	exclusion threshold(mW)	11.00	11.44	81.64	9.47	89.39
	Testing required?	YES	YES	YES	YES	YES
Right Edge	Separation distance (mm)	60	60	5	60	5
	exclusion threshold(mW)	209.99	214.37	16.33	194.68	17.88
	Testing required?	YES	YES	YES	YES	YES
Top Edge	Separation distance (mm)	5	5	160	5	160
	exclusion threshold(mW)	11.00	11.44	782.21	9.47	695.04
	Testing required?	YES	YES	NO	YES	NO
Bottom Edge	Separation distance (mm)	165	165	5	165	5
	exclusion threshold(mW)	1259.99	1264.37	16.33	1244.68	17.88
	Testing required?	NO	NO	YES	NO	YES



Exposure Position	Wireless Interface	LTE Band 13	LTE Band 17	LTE Band 38	LTE Band 40	LTE Band 66
	Calculated Frequency (MHz)	782	709	2610	2355	1720
	Maximum Turn-up power (dBm)	25.1	25	25	13.5	25.5
	Maximum rated power(mW)	323.59	316.23	316.23	22.39	354.81
Back Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.96	17.81	9.28	9.77	11.44
	Testing required?	YES	YES	YES	YES	YES
Front Side	Separation distance (mm)	5	5	5	5	5
	exclusion threshold(mW)	16.96	17.81	9.28	9.77	11.44
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (mm)	25	25	5	5	5
	exclusion threshold(mW)	84.81	89.07	9.28	9.77	11.44
	Testing required?	YES	YES	YES	YES	YES
Right Edge	Separation distance (mm)	5	5	60	60	60
	exclusion threshold(mW)	16.96	17.81	192.85	197.75	214.37
	Testing required?	YES	YES	YES	NO	YES
Top Edge	Separation distance (mm)	160	160	5	5	5
	exclusion threshold(mW)	743.09	698.08	9.28	9.77	11.44
	Testing required?	NO	NO	YES	YES	YES
Bottom Edge	Separation distance (mm)	5	5	165	165	165
	exclusion threshold(mW)	16.96	17.81	1242.85	1247.75	1264.37
	Testing required?	YES	YES	NO	NO	NO



Exposure Position	Wireless Interface	BT	2.4G WLAN
	Calculated Frequency (MHz)	2480	2412
	Maximum Turn-up power (dBm)	7	17.3
	Maximum rated power(mW)	5.01	53.70
Back Side	Separation distance (mm)	5	5
	exclusion threshold(mW)	9.53	9.66
	Testing required?	NO	YES
Front Side	Separation distance (mm)	5	5
	exclusion threshold(mW)	9.53	9.66
	Testing required?	NO	YES
Left Edge	Separation distance (mm)	60	60
	exclusion threshold(mW)	195.25	196.58
	Testing required?	NO	NO
Right Edge	Separation distance (mm)	5	5
	exclusion threshold(mW)	9.53	9.66
	Testing required?	NO	YES
Top Edge	Separation distance (mm)	5	5
	exclusion threshold(mW)	9.53	9.66
	Testing required?	NO	YES
Bottom Edge	Separation distance (mm)	165	165
	exclusion threshold(mW)	1245.25	1246.58
	Testing required?	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

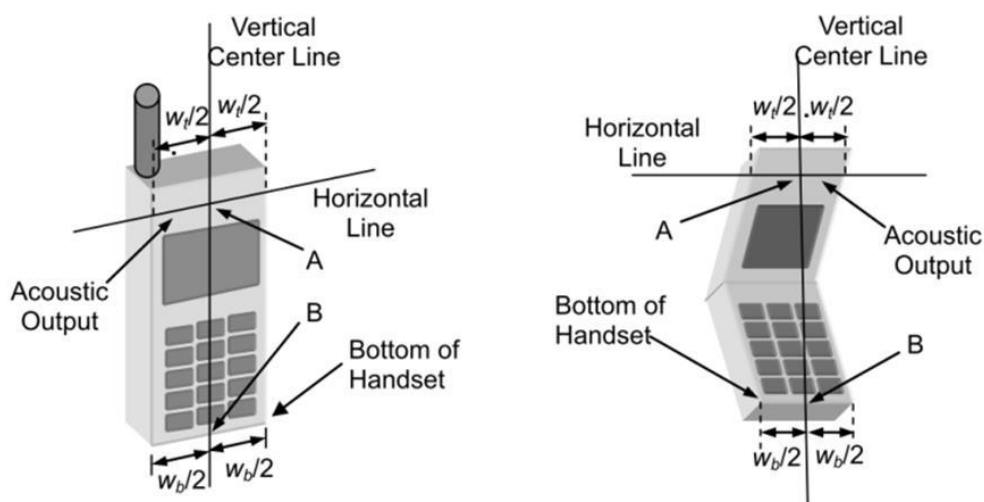
5. per KDB 447498 D01, at 100 MHz to 6GHz and for test separation distances >50mm, the SAR test exclusion threshold is determined according to the following
 - a)[threshold at 50mm in step 1]+(test separation distance -50mm)*($f(\text{MHz})/150$)]mW, at 100 MHz to 1500 MHz
 - b) [threshold at 50mm in 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.

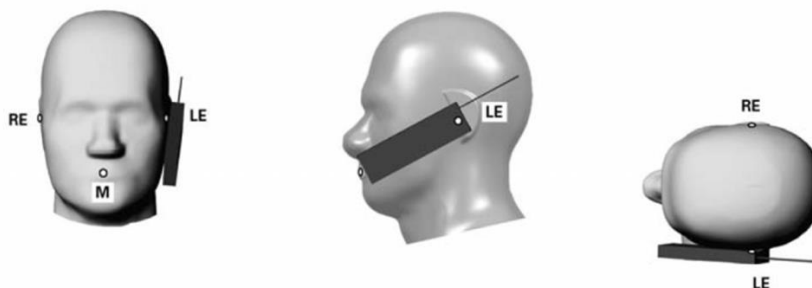
8.1 Define Two Imaginary Lines on the Handset

- (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





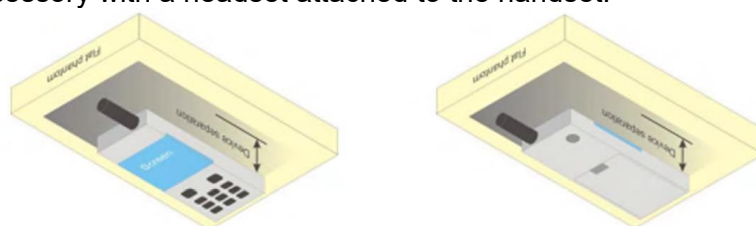
Title Position

- (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.



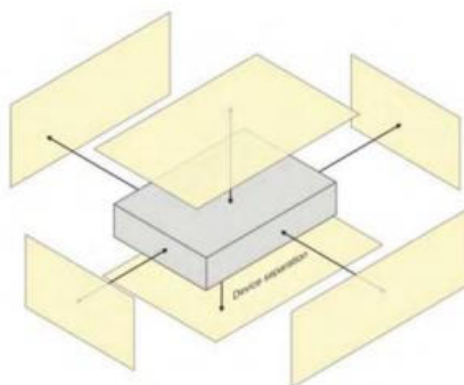
Body-worn Position Conditions:

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 $k=2$.

Uncertainty Component	Tol (+/- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+/-%)	10g Ui (+/-%)	vi
Measurement System								
Probe calibration	5.8	N	1	1	1	5.8	5.8	∞
Axial Isotropy	3.5	R	$\sqrt{3}$	$\sqrt{0.5}$	$\sqrt{0.5}$	1.43	1.43	∞
Hemispherical Isotropy	5.9	R	$\sqrt{3}$	$\sqrt{0.5}$	$\sqrt{0.5}$	2.41	2.41	∞
Boundary effect	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	4.7	R	$\sqrt{3}$	1	1	2.71	2.71	∞
System detection limits	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Readout Electronics	0.5	N	1	1	1	0.50	0.50	∞
Response Time	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Integration Time	1.4	R	$\sqrt{3}$	1	1	1.81	1.81	∞
RF ambient conditions-Noise	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF ambient conditions-reflections	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioner mechanical tolerance	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation, Interpolation and Integration Algorithms for Max, SAR	2.3	R	$\sqrt{3}$	1	1	1.33	1.33	∞
Test sample Related								
Test sample positioning	2.6	N	1	1	1	2.60	2.60	11
Device holder uncertainty	3	N	1	1	1	3.00	3.00	7
Output Power Variation - SAR Drift Measurement	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
SAR scaling	2	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Phantom and tissue parameters								
Phantom uncertainty (shape and thickness uncertainty)	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	2	N	1	1	0.84	2.00	1.68	∞
Liquid Conductivity - Measurement Uncertainty)	4	N	1	0.78	0.71	3.12	2.84	5
Liquid Permittivity - Measurement Uncertainty	5	N	1	0.23	0.26	1.15	1.30	5
Liquid Conductivity (Temperature Uncertainty)	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.02	∞
Liquid Permittivity (Temperature Uncertainty)	2.5	R	$\sqrt{3}$	0.23	0.26	0.33	0.38	∞
Combined Standard Uncertainty		RSS				10.47	10.34	
Expanded Uncertainty (95% Confidence interval)		K				20.95	20.69	



9.2 System validation Uncertainty

Uncertainty Component	Tol (+ - %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System								
Probe calibration	5.8	N	1	1	1	5.8	5.8	∞
Axial Isotropy	3.5	R	$\sqrt{3}$	1	1	2.02	2.02	∞
Hemispherical Isotropy	5.9	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Boundary effect	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	4.7	R	$\sqrt{3}$	1	1	0.71	0.71	∞
System detection limits	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	0	N	$\sqrt{3}$	0	0	0.00	0.00	∞
Readout Electronics	0.5	N	1	1	1	0.50	0.50	∞
Response Time	0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Integration Time	1.4	R	$\sqrt{3}$	0	0	0.00	0.00	∞
RF ambient conditions-Noise	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF ambient conditions-reflections	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioner mechanical tolerance	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation, Interpolation and Integration Algorithms for Max, SAR	2.3	R	$\sqrt{3}$	1	1	1.33	1.33	∞
Dipole								
Deviation of Experimental Source from Numerical Source	5	N	1	1	1	5.00	5.00	∞
Input Power and SAR Drift Measurement	0.5	R	$\sqrt{3}$	1	1	0.29	0.29	∞
Dipole Axis to Liquid Distance	2	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Phantom and Tissue Parameters								
Phantom uncertainty (shape and thickness uncertainty)	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	2	N	1	1	0.84	2.00	1.68	∞
Liquid Conductivity - Measurement Uncertainty)	4	N	1	0.78	0.71	3.12	2.84	5
Liquid Permittivity - Measurement Uncertainty	5	N	1	0.23	0.26	1.15	1.30	5
Liquid Conductivity (Temperature Uncertainty)	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.02	∞
Liquid Permittivity (Temperature Uncertainty)	2.5	R	$\sqrt{3}$	0.23	0.26	0.33	0.38	∞
Combined Standard Uncertainty		RSS				10.16	10.03	
Expanded Uncertainty (95% Confidence interval)		K				20.32	20.06	



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)	34.19	34.04	34.11	30.63	30.61	30.07
GPRS (GMSK, 1-Slot)	34.18	34.07	34.15	30.64	30.57	30.05
GPRS (GMSK, 2-Slot)	31.92	31.77	31.52	28.63	28.07	27.31
GPRS (GMSK, 3-Slot)	30.02	29.88	29.59	26.93	26.34	25.5
GPRS (GMSK, 4-Slot)	27.75	27.68	27.4	24.88	24.17	23.47
EGPRS (8PSK, 1-Slot)	26.72	26.44	26.53	26.49	26.34	25.43
EGPRS (8PSK, 2-Slot)	25.75	25.83	25.51	25.14	24.57	24.16
EGPRS (8PSK, 3-Slot)	23.03	23.31	23.22	22.29	22.49	21.76
EGPRS (8PSK, 4-Slot)	20.56	20.53	20.17	19.81	20.28	19.01
Remark: GPRS, CS4 coding scheme. EGPRS, MCS5 coding scheme. Multi-Slot Class 8, Support Max 4 downlink, 1 uplink, 5 working link Multi-Slot Class 10, Support Max 4 downlink, 2 uplink, 5 working link Multi-Slot Class 12, Support Max 4 downlink, 4 uplink, 5 working link						

Frame- Average Power(dBm)						
Band	GSM 850			PCS 1900		
Channel	128	190	251	512	661	810
Frequency (MHz)	824.2	836.6	848.8	1850.2	1880.0	1909.8
GSM (GMSK, 1-Slot)	25.16	25.01	25.08	21.60	21.58	21.04
GPRS (GMSK, 1-Slot)	25.15	25.04	25.12	21.61	21.54	21.02
GPRS (GMSK, 2-Slot)	25.90	25.75	25.50	22.61	22.05	21.29
GPRS (GMSK, 3-Slot)	25.76	25.62	25.33	22.67	22.08	21.24
GPRS (GMSK, 4-Slot)	24.74	24.67	24.39	21.87	21.16	20.46
EGPRS (8PSK, 1-Slot)	17.69	17.41	17.50	17.46	17.31	16.40
EGPRS (8PSK, 2-Slot)	19.73	19.81	19.49	19.12	18.55	18.14
EGPRS (8PSK, 3-Slot)	18.77	19.05	18.96	18.03	18.23	17.50
EGPRS (8PSK, 4-Slot)	17.55	17.52	17.16	16.80	17.27	16.00
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	23.82	23.78	23.74	23.77	23.81	23.86	23.78	23.98	24.42
HSDPA Subtest-1	23.49	23.67	23.26	23.84	23.51	23.55	24.16	24.01	24.07
HSDPA Subtest-2	23.23	23.35	23.06	23.45	23.15	23.19	23.91	23.78	23.85
HSDPA Subtest-3	22.96	22.87	22.68	23.07	22.88	22.94	23.46	23.49	23.45
HSDPA Subtest-4	22.81	22.83	22.65	23.03	22.71	22.48	23.33	23.58	23.46
HSUPA Subtest-1	23.48	23.42	23.22	23.65	23.35	23.13	24.12	23.9	24.09
HSUPA Subtest-2	23.39	23.64	23.27	23.62	23.47	23.35	24.02	23.93	24.19
HSUPA Subtest-3	23.23	23.28	23.11	23.32	23.07	23.05	23.71	23.55	23.89
HSUPA Subtest-4	23.35	23.61	23.31	23.57	23.36	23.38	24.04	23.79	24.17
HSUPA Subtest-5	23.08	23.34	23.14	23.49	23.15	23.04	23.75	23.85	23.74

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

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

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

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

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

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

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



2.4G WLAN

2.4GWIFI				
Mode	Channel Number	Frequency (MHz)	Output Power (dBm)	Output Power (mW)
802.11b	1	2412	17.13	51.64
	6	2437	16.04	40.18
	11	2462	16.71	46.88
802.11g	1	2412	14.67	29.31
	6	2437	14.31	26.98
	11	2462	15.12	32.51
802.11 n-HT20	1	2412	15.2	33.11
	6	2437	14.83	30.41
	11	2462	15.64	36.64

Bluetooth

BT				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	1.76	1.50
	39	2441	4.14	2.59
	78	2480	4.25	2.66
$\pi/4$ -QPSK(2Mbps)	0	2402	3.6	2.29
	39	2441	6.06	4.04
	78	2480	6.16	4.13
8DPSK(3Mbps)	0	2402	3.95	2.48
	39	2441	6.44	4.41
	78	2480	6.55	4.52

BLE

BLE				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	-0.03	0.99
	19	2440	0.1	1.02
	39	2480	-0.59	0.87

NFC

NFC		
Mode	Field strength(dBuV/m)	ERP(dBm)
NFC	56.57	-38.73

Note. The power of this EUT NFC is -38.73dBm (0.00013mW), this power is less than the defined low power exclusion level (Pmax: 39 mW), so NFC is exemption.



LTE Conducted Power

General Note:

1. 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	23.97	23.89	23.91
1.4	1	2		24	23.77	23.91
1.4	1	5		24	23.76	23.88
1.4	3	0		23.88	23.94	23.85
1.4	3	1		23.92	23.85	23.92
1.4	3	2		23.94	23.87	23.87
1.4	6	0		22.52	22.38	22.38
1.4	1	0	16-QAM	24.36	23.45	23.58
1.4	1	2		24.36	23.4	23.56
1.4	1	5		24.36	23.46	23.56
1.4	3	0		23.13	22.8	23.17
1.4	3	1		23.2	22.83	23.16
1.4	3	2		23.21	22.91	23.14
1.4	6	0		23.1	22.86	23.04
3	1	0	QPSK	23.92	24.01	24.03
3	1	7		23.89	24.04	23.98
3	1	14		23.81	24.29	24.14
3	8	0		22.45	22.25	22.34
3	8	4		22.4	22.34	22.41
3	8	7		22.33	22.33	22.45
3	15	0		22.28	22.36	22.45
3	1	0	16-QAM	23.09	22.9	23.36
3	1	7		23.05	23.01	23.3
3	1	14		23.04	23.04	23.24
3	8	0		23.04	22.83	22.93
3	8	4		23.01	22.85	22.93
3	8	7		22.99	22.95	22.96
3	15	0		22.94	22.87	22.98



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.89	23.81	23.82
5	1	12		23.89	23.85	23.8
5	1	24		23.88	23.92	23.85
5	12	0		22.41	22.33	22.42
5	12	6		22.44	22.3	22.37
5	12	11		22.42	22.82	22.27
5	25	0		22.44	22.3	22.35
5	1	0	16-QAM	23.57	23.37	23.33
5	1	12		23.63	23.37	23.33
5	1	24		23.65	23.44	23.33
5	12	0		22.97	22.7	22.83
5	12	6		22.87	22.72	22.84
5	12	11		22.9	22.79	22.8
5	25	0		23.09	22.88	22.83
10	1	0	QPSK	23.89	23.95	23.84
10	1	24		23.82	23.96	23.86
10	1	49		23.82	24.03	24
10	25	0		22.45	22.27	22.4
10	25	12		22.4	22.32	22.42
10	25	24		22.45	22.33	22.44
10	50	0		22.47	22.43	22.45
10	1	0	16-QAM	24.37	23.39	23.71
10	1	24		24.4	23.37	23.62
10	1	49		24.37	23.47	23.6
10	25	0		22.96	22.85	22.98
10	25	12		23	22.88	22.94
10	25	24		22.98	22.96	22.91
10	50	0		23.03	22.88	22.89



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.84	23.81	23.88
15	1	37		23.89	23.89	23.95
15	1	74		23.8	24.03	23.92
15	36	0		22.44	22.19	22.46
15	36	18		22.5	22.34	22.4
15	36	39		22.4	22.22	22.41
15	75	0		22.42	22.24	22.45
15	1	0	16-QAM	24.41	23.3	23.96
15	1	38		24.38	23.27	23.97
15	1	75		24.24	23.84	23.95
15	36	0		23.02	22.89	22.94
15	36	18		23.03	22.91	22.9
15	36	39		22.9	22.93	22.84
15	75	0		22.93	22.78	23.04
20	1	0	QPSK	24.49	23.42	23.57
20	1	49		24.5	23.37	23.53
20	1	99		24.47	23.49	23.56
20	50	0		22.8	22.97	22.86
20	50	24		22.85	22.91	22.88
20	50	49		22.78	22.97	22.85
20	100	0		23.11	22.86	22.93
20	1	0	16-QAM	23.96	23.76	23.82
20	1	49		23.94	23.78	23.96
20	1	99		24	23.8	23.93
20	50	0		22.46	22.43	22.38
20	50	24		22.45	22.37	22.29
20	50	49		22.43	22.75	22.31
20	100	0		22.45	22.36	22.34



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	24.74	24.8	25.04
1.4	1	2		24.82	24.74	25.06
1.4	1	5		24.86	24.8	25.01
1.4	3	0		24.66	24.74	24.69
1.4	3	1		24.64	24.78	24.73
1.4	3	2		24.68	24.75	24.73
1.4	6	0		23.72	23.71	23.71
1.4	1	0	16-QAM	25.08	24.27	24.68
1.4	1	2		25.13	24.27	24.54
1.4	1	5		25.15	24.31	24.69
1.4	3	0		23.91	23.67	24
1.4	3	1		23.89	23.76	23.86
1.4	3	2		23.94	23.72	23.94
1.4	6	0		22.91	22.84	22.76
3	1	0	QPSK	24.84	24.9	24.77
3	1	7		24.68	24.97	24.8
3	1	14		24.85	25.02	24.82
3	8	0		23.58	23.61	23.71
3	8	4		23.66	23.75	23.73
3	8	7		23.65	23.87	23.71
3	15	0		23.62	23.72	23.64
3	1	0	16-QAM	24.34	24.23	24.46
3	1	7		24.24	24.38	24.54
3	1	14		24.35	24.37	24.6
3	8	0		22.66	22.72	22.77
3	8	4		22.75	22.8	22.78
3	8	7		22.71	22.78	22.75
3	15	0		22.68	22.73	22.64



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	24.7	24.84	24.38
5	1	12		24.61	24.88	24.45
5	1	24		24.55	24.89	24.55
5	12	0		23.71	23.76	23.74
5	12	6		23.67	23.73	23.73
5	12	11		23.68	23.71	23.78
5	25	0		23.65	23.72	23.81
5	1	0	16-QAM	24.28	24.25	24.7
5	1	12		24.23	24.28	24.67
5	1	24		24.22	24.31	24.66
5	12	0		22.74	22.47	22.57
5	12	6		22.45	22.5	22.63
5	12	11		22.48	22.53	22.67
5	25	0		22.69	22.71	22.8
10	1	0	QPSK	24.65	24.66	24.89
10	1	24		24.57	24.68	24.87
10	1	49		24.59	24.7	24.95
10	25	0		23.61	23.74	23.7
10	25	12		23.58	23.73	23.64
10	25	24		23.55	23.68	23.8
10	50	0		23.64	23.72	23.8
10	1	0	16-QAM	25.15	24.77	24.85
10	1	24		25.12	24.83	24.97
10	1	49		25.14	24.86	25.04
10	25	0		22.62	22.74	22.68
10	25	12		22.63	22.72	22.63
10	25	24		22.69	22.81	22.74
10	50	0		22.67	22.82	22.67



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	24.67	24.62	24.78
15	1	37		24.54	24.75	24.8
15	1	74		24.59	24.75	24.81
15	36	0		23.56	23.7	23.58
15	36	18		23.64	23.75	23.77
15	36	39		23.61	23.78	23.72
15	75	0		23.63	23.68	23.67
15	1	0	16-QAM	25.18	24.83	24.97
15	1	38		25.16	24.79	25.04
15	1	75		25.17	24.82	25.1
15	36	0		22.6	22.79	22.52
15	36	18		22.81	22.8	22.55
15	36	39		22.7	22.86	22.64
15	75	0		22.66	22.67	22.72
20	1	0	QPSK	25.25	24.24	23.79
20	1	49		25.3	24.26	23.8
20	1	99		25.22	24.22	23.76
20	50	0		22.6	22.78	22.85
20	50	24		22.57	22.81	22.78
20	50	49		22.46	22.76	22.81
20	100	0		22.82	22.7	22.69
20	1	0	16-QAM	24.73	24.78	24.9
20	1	49		24.73	24.82	24.92
20	1	99		24.62	24.76	24.88
20	50	0		23.68	23.71	23.65
20	50	24		23.63	23.72	23.67
20	50	49		23.61	23.75	23.61
20	100	0		23.69	23.7	23.73



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.46	23.75	23.76
1.4	1	2		23.51	23.86	24.09
1.4	1	5		23.65	24.15	24.14
1.4	3	0		23.58	23.68	24.02
1.4	3	1		23.49	23.72	24.12
1.4	3	2		23.48	23.82	24.06
1.4	6	0		23.55	23.74	24.04
1.4	1	0	16-QAM	23.47	22.5	22.85
1.4	1	2		23.52	22.66	23.4
1.4	1	5		24.09	23.04	23.12
1.4	3	0		22.28	22.73	23.06
1.4	3	1		22.36	22.78	23.07
1.4	3	2		22.44	22.88	23.13
1.4	6	0		22.51	22.76	23.09
3	1	0	QPSK	23.49	23.55	24.05
3	1	7		23.43	23.73	24.06
3	1	14		23.41	23.83	24.25
3	8	0		23.47	23.74	24.12
3	8	4		23.49	23.72	24.09
3	8	7		23.41	23.82	24.17
3	15	0		23.42	23.77	24.16
3	1	0	16-QAM	23.27	23.81	24
3	1	7		23.22	23.3	23.97
3	1	14		23.2	23.47	24.09
3	8	0		22.43	22.84	23.08
3	8	4		22.32	22.94	23.06
3	8	7		22.36	23.07	23.22
3	15	0		22.52	22.83	23.16



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.36	23.67	24.02
5	1	12		23.4	23.69	24
5	1	24		23.31	23.73	24.15
5	12	0		23.55	23.66	24.08
5	12	6		23.4	23.82	24.07
5	12	11		23.34	23.85	24.21
5	25	0		23.39	23.82	24.04
5	1	0	16-QAM	22.61	22.74	23.03
5	1	12		22.5	22.27	23.06
5	1	24		22.55	22.48	23.1
5	12	0		22.37	22.62	23.07
5	12	6		22.39	22.7	23.02
5	12	11		22.35	22.76	23.08
5	25	0		22.43	22.8	23.04
10	1	0	QPSK	23.61	23.65	24.11
10	1	24		23.6	23.73	24.16
10	1	49		23.61	23.8	24.3
10	25	0		23.52	23.77	24.13
10	25	12		23.59	23.85	24.1
10	25	24		23.52	23.77	24.19
10	50	0		23.51	23.77	24.17
10	1	0	16-QAM	23.6	23.86	24.17
10	1	24		23.45	23.37	24.13
10	1	49		23.45	23.47	24.13
10	25	0		22.12	22.16	22.83
10	25	12		22.09	22.19	23.01
10	25	24		22.07	22.16	22.95
10	50	0		22.52	22.57	23.31



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	24.72	23.88	23.67
5	1	12		24.69	23.91	23.68
5	1	24		24.69	23.92	23.68
5	12	0		23.69	23.19	22.77
5	12	6		23.7	23.11	22.86
5	12	11		23.67	23.14	22.75
5	25	0		23.64	23.17	22.9
5	1	0	16-QAM	23.88	24.13	23.53
5	1	12		23.95	24.17	23.57
5	1	24		23.93	24.14	23.61
5	12	0		22.56	22.15	21.74
5	12	6		22.52	22.15	21.74
5	12	11		22.48	22.22	21.68
5	25	0		22.66	22.32	21.87
10	1	0	QPSK	24.75	24.58	23.93
10	1	24		24.6	24.63	23.85
10	1	49		24.46	24.54	23.99
10	25	0		23.58	23.26	22.79
10	25	12		23.47	23.18	22.75
10	25	24		23.59	23.08	22.74
10	50	0		23.6	23.14	22.85
10	1	0	16-QAM	24.01	23.74	23.72
10	1	24		23.83	23.81	23.64
10	1	49		23.77	23.64	23.65
10	25	0		22.66	22.25	21.89
10	25	12		22.67	22.29	21.86
10	25	24		22.71	22.27	21.92
10	50	0		22.63	22.2	21.82



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	24.6	24.13	23.76
15	1	37		24.55	24.06	23.78
15	1	74		24.47	24.02	23.8
15	36	0		23.66	23.12	22.8
15	36	18		23.61	23.16	22.82
15	36	39		23.58	23.21	22.78
15	75	0		23.51	23.25	22.87
15	1	0	16-QAM	25.22	24.41	24.22
15	1	38		25.1	24.35	24.18
15	1	75		25.08	24.34	24.18
15	36	0		22.7	22.32	21.75
15	36	18		22.73	22.41	21.81
15	36	39		22.7	22.35	21.84
15	75	0		22.68	22.2	21.84
20	1	0	QPSK	25.25	24.41	23.23
20	1	49		25.17	24.4	23.56
20	1	99		25.13	24.35	23.67
20	50	0		22.75	22.26	21.84
20	50	24		22.65	22.3	21.92
20	50	49		22.68	22.26	21.92
20	100	0		22.7	22.3	21.78
20	1	0	16-QAM	24.58	24.09	23.82
20	1	49		24.61	24.14	23.91
20	1	99		24.61	24.12	23.96
20	50	0		23.67	23.21	22.8
20	50	24		23.51	23.23	22.8
20	50	49		23.52	23.15	22.88
20	100	0		23.71	23.23	22.84



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	24.7	24.61	24.59
1.4	1	2		24.73	24.61	24.78
1.4	1	5		24.65	24.59	24.82
1.4	3	0		24.68	24.6	24.69
1.4	3	1		24.67	24.66	24.76
1.4	3	2		24.54	24.67	24.83
1.4	6	0		23.67	23.61	23.8
1.4	1	0	16-QAM	24.84	24.75	24.09
1.4	1	2		24.98	24.74	24.26
1.4	1	5		24.79	24.74	24.3
1.4	3	0		23.94	23.7	23.71
1.4	3	1		23.94	23.72	23.7
1.4	3	2		23.91	23.71	23.77
1.4	6	0		22.74	22.69	22.89
3	1	0	QPSK	24.59	24.5	24.62
3	1	7		24.58	24.51	24.68
3	1	14		24.65	24.6	24.84
3	8	0		23.73	23.73	23.65
3	8	4		23.7	23.62	23.73
3	8	7		23.5	23.69	23.69
3	15	0		23.69	23.71	23.74
3	1	0	16-QAM	24.91	24.69	24.44
3	1	7		24.85	24.73	24.54
3	1	14		24.98	24.69	24.32
3	8	0		22.66	23.05	22.73
3	8	4		22.6	22.76	22.77
3	8	7		23	22.72	23.12
3	15	0		22.63	22.86	22.64



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	24.58	24.63	24.41
5	1	12		24.58	24.59	24.46
5	1	24		24.57	24.61	24.37
5	12	0		23.64	23.5	23.59
5	12	6		23.73	23.61	23.65
5	12	11		23.7	23.69	23.83
5	25	0		23.68	23.68	23.82
5	1	0	16-QAM	24.14	23.9	24.52
5	1	12		24.16	23.87	24.52
5	1	24		24.17	23.81	24.43
5	12	0		22.49	22.85	22.53
5	12	6		22.69	22.54	22.96
5	12	11		22.58	22.52	23
5	25	0		22.89	22.77	23.12
10	1	0	QPSK	24.98	24.15	24.05
10	1	24		24.99	24.17	24.19
10	1	49		25.01	24.14	24.32
10	25	0		22.47	22.99	23.05
10	25	12		22.44	22.73	23.11
10	25	24		22.59	22.66	22.92
10	50	0		22.59	22.65	23.05
10	1	0	16-QAM	24.54	24.56	24.5
10	1	24		24.42	24.56	24.68
10	1	49		24.47	24.6	24.84
10	25	0		23.6	23.62	23.8
10	25	12		23.62	23.62	23.79
10	25	24		23.69	23.57	23.88
10	50	0		23.6	23.65	23.72



LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	24.6	24.2	24.34
5	1	12		24.42	24.22	24.23
5	1	24		24.46	24.23	24.3
5	12	0		23.56	23.34	23.4
5	12	6		23.47	23.49	23.47
5	12	11		23.32	23.41	23.51
5	25	0		23.46	23.55	23.42
5	1	0	16-QAM	23.8	24.38	24.05
5	1	12		23.76	24.36	23.97
5	1	24		23.7	24.44	24.22
5	12	0		22.73	22.4	22.37
5	12	6		22.31	22.32	22.36
5	12	11		22.33	22.46	22.3
5	25	0		22.56	22.55	22.45
10	1	0	QPSK	/	24.85	/
10	1	24		/	24.86	/
10	1	49		/	25.02	/
10	25	0		/	22.42	/
10	25	12		/	22.37	/
10	25	24		/	22.44	/
10	50	0		/	22.33	/
10	1	0	16-QAM	/	24.52	/
10	1	24		/	24.29	/
10	1	49		/	24.45	/
10	25	0		/	23.33	/
10	25	12		/	23.59	/
10	25	24		/	23.55	/
10	50	0		/	23.58	/



LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	24.55	24.37	24.5
5	1	12		24.64	24.44	24.55
5	1	24		24.59	24.21	24.45
5	12	0		23.71	23.6	23.64
5	12	6		23.58	23.64	23.69
5	12	11		23.66	23.59	23.65
5	25	0		23.69	23.64	23.64
5	1	0	16-QAM	23.74	24.64	24.23
5	1	12		23.8	24.59	24.34
5	1	24		23.81	24.33	24.48
5	12	0		22.91	22.76	22.45
5	12	6		22.83	22.69	22.95
5	12	11		22.64	22.55	22.96
5	25	0		22.93	22.78	23.06
10	1	0	QPSK	24.78	24.7	24.45
10	1	24		24.92	24.71	24.54
10	1	49		24.64	24.45	24.32
10	25	0		22.85	22.73	22.74
10	25	12		22.55	22.77	22.8
10	25	24		22.5	22.72	23.12
10	50	0		22.6	22.81	22.58
10	1	0	16-QAM	24.48	24.51	24.67
10	1	24		24.53	24.59	24.67
10	1	49		24.56	24.53	24.84
10	25	0		23.54	23.71	23.61
10	25	12		23.67	23.6	23.64
10	25	24		23.64	23.64	23.69
10	50	0		23.67	23.72	23.69



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.94	23.71	24.37
5	1	12		23.93	23.68	24.34
5	1	24		23.95	23.64	24.44
5	12	0		22.95	22.85	23.33
5	12	6		22.89	22.75	23.3
5	12	11		22.9	22.74	23.29
5	25	0		22.97	22.77	23.33
5	1	0	16-QAM	23.1	23.2	23.73
5	1	12		23.07	23.1	23.7
5	1	24		23.06	23.18	23.69
5	12	0		21.88	21.99	22.08
5	12	6		21.74	21.95	22.31
5	12	11		21.67	21.95	22.48
5	25	0		22.03	21.9	22.36
10	1	0	QPSK	23.83	24.1	24.29
10	1	24		23.81	24.02	24.26
10	1	49		23.8	24.16	24.33
10	25	0		22.77	23.06	23.39
10	25	12		22.77	22.93	23.45
10	25	24		22.72	23.07	23.39
10	50	0		22.66	22.98	23.49
10	1	0	16-QAM	24.38	23.38	24.04
10	1	24		24.34	23.22	24.26
10	1	49		24.29	23.23	24.18
10	25	0		21.93	22.15	22.55
10	25	12		21.92	22.11	22.61
10	25	24		21.93	22.17	22.61
10	50	0		21.73	22.15	22.49



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.96	23.95	24.26
15	1	37		23.91	23.92	24.48
15	1	74		23.8	24.12	24.55
15	36	0		22.9	22.97	23.19
15	36	18		22.78	22.95	23.23
15	36	39		22.77	23.03	23.46
15	75	0		22.75	23.05	23.26
15	1	0	16-QAM	23.25	23.22	23.28
15	1	38		23.26	23.19	23.36
15	1	75		23.09	23.41	23.64
15	36	0		22.12	21.98	22.33
15	36	18		22.01	21.95	22.41
15	36	39		21.96	21.97	22.52
15	75	0		21.91	22.08	22.32
20	1	0	QPSK	23.83	24.09	24.33
20	1	49		23.76	24.11	24.39
20	1	99		23.66	24.21	24.63
20	50	0		22.73	23.02	23.25
20	50	24		22.7	22.9	23.42
20	50	49		22.64	22.91	23.45
20	100	0		22.6	22.95	23.24
20	1	0	16-QAM	24.32	23.19	23.87
20	1	49		24.19	23.24	24.02
20	1	99		24.28	23.32	24.11
20	50	0		21.77	22.11	22.36
20	50	24		21.63	22.12	22.39
20	50	49		21.72	22.01	22.42
20	100	0		21.8	22.14	22.48



LTE Band 40 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	12.71	12.64	12.63
5	1	12		13.09	13.16	13.11
5	1	24		13.2	12.64	12.63
5	12	0		11.92	11.88	11.88
5	12	6		12.04	12.02	12.03
5	12	11		12.15	11.86	11.88
5	25	0		12.04	11.89	11.89
5	1	0	16-QAM	12.06	11.82	11.86
5	1	12		12.47	12.35	12.37
5	1	24		12.55	11.81	11.86
5	12	0		11	10.9	10.96
5	12	6		11.12	11.03	11.1
5	12	11		11.23	10.87	10.95
5	25	0		11.07	10.91	10.89
10	1	0	QPSK	/	12.67	/
10	1	24		/	13.2	/
10	1	49		/	12.66	/
10	25	0		/	11.91	/
10	25	12		/	12.06	/
10	25	24		/	11.89	/
10	50	0		/	11.92	/
10	1	0	16-QAM	/	12.18	/
10	1	24		/	12.72	/
10	1	49		/	12.16	/
10	25	0		/	10.97	/
10	25	12		/	11.12	/
10	25	24		/	10.96	/
10	50	0		/	10.91	/



LTE Band 40 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	12.81	12.92	12.8
5	1	12		13.38	13.34	13.28
5	1	24		12.85	13.26	12.65
5	12	0		12.1	12.23	12.02
5	12	6		12.24	12.34	12.14
5	12	11		12.08	12.4	11.94
5	25	0		12.07	12.32	11.99
5	1	0	16-QAM	12.32	12.33	12.06
5	1	12		12.87	12.76	12.57
5	1	24		12.32	12.68	11.93
5	12	0		11.12	11.24	11.13
5	12	6		11.28	11.34	11.25
5	12	11		11.12	11.4	11.05
5	25	0		11.09	11.3	11.05
10	1	0	QPSK	/	12.93	/
10	1	24		/	13.43	/
10	1	49		/	12.86	/
10	25	0		/	12.13	/
10	25	12		/	12.26	/
10	25	24		/	12.07	/
10	50	0		/	12.12	/
10	1	0	16-QAM	/	12.05	/
10	1	24		/	12.56	/
10	1	49		/	11.98	/
10	25	0		/	11.17	/
10	25	12		/	11.3	/
10	25	24		/	11.11	/
10	50	0		/	11.17	/



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	24.72	24.63	24.86
1.4	1	2		24.68	24.63	24.86
1.4	1	5		24.71	24.71	24.86
1.4	3	0		24.6	24.71	24.72
1.4	3	1		24.63	24.73	24.84
1.4	3	2		24.58	24.76	24.81
1.4	6	0		23.64	23.78	23.77
1.4	1	0	16-QAM	25.04	24.17	24.21
1.4	1	2		25.04	24.14	24.21
1.4	1	5		25.08	24.27	24.21
1.4	3	0		23.81	23.35	23.73
1.4	3	1		23.84	23.4	23.7
1.4	3	2		23.84	23.44	23.77
1.4	6	0		22.82	22.76	22.87
3	1	0	QPSK	24.79	25.01	24.83
3	1	7		24.72	25.14	24.77
3	1	14		24.84	25.19	25.02
3	8	0		23.58	23.69	23.67
3	8	4		23.64	23.65	23.7
3	8	7		23.67	23.9	23.73
3	15	0		23.67	23.77	23.69
3	1	0	16-QAM	24.25	23.81	24.1
3	1	7		24.23	23.81	24.12
3	1	14		24.41	23.9	24.24
3	8	0		22.7	22.66	22.56
3	8	4		22.75	22.74	22.65
3	8	7		22.83	22.73	22.68
3	15	0		22.72	22.65	22.73



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	24.66	24.96	24.51
5	1	12		24.58	24.96	24.52
5	1	24		24.58	24.98	24.55
5	12	0		23.65	23.7	23.72
5	12	6		23.62	23.75	23.77
5	12	11		23.66	23.81	23.78
5	25	0		23.6	23.77	23.73
5	1	0	16-QAM	24.24	24.37	24.21
5	1	12		24.21	24.37	24.23
5	1	24		24.25	24.4	24.25
5	12	0		22.54	22.59	22.72
5	12	6		22.46	22.55	22.72
5	12	11		22.49	22.62	22.75
5	25	0		22.72	22.76	22.65
10	1	0	QPSK	24.62	24.6	24.68
10	1	24		24.6	24.72	24.83
10	1	49		24.64	24.72	24.94
10	25	0		23.63	23.67	23.77
10	25	12		23.65	23.77	23.79
10	25	24		23.6	23.74	23.82
10	50	0		23.72	23.79	23.75
10	1	0	16-QAM	25.13	24.65	24.47
10	1	24		25.14	24.65	24.38
10	1	49		25.14	24.74	24.5
10	25	0		22.56	22.7	22.78
10	25	12		22.59	22.7	22.72
10	25	24		22.7	22.75	22.79
10	50	0		22.62	22.74	22.66



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	24.62	24.7	24.64
15	1	37		24.58	24.67	24.63
15	1	74		24.64	24.77	24.76
15	36	0		23.61	23.66	23.75
15	36	18		23.64	23.59	23.79
15	36	39		23.72	23.68	23.75
15	75	0		23.62	23.6	23.83
15	1	0	16-QAM	25.13	24.65	25.06
15	1	38		25.09	24.63	25.11
15	1	75		25.14	24.77	25.07
15	36	0		22.63	22.75	22.67
15	36	18		22.72	22.76	22.74
15	36	39		22.73	22.81	22.69
15	75	0		22.65	22.62	22.83
20	1	0	QPSK	25.23	24.19	24.2
20	1	49		25.29	24.22	24.24
20	1	99		25.19	24.25	24.23
20	50	0		22.51	22.84	22.75
20	50	24		22.51	22.84	22.83
20	50	49		22.43	22.81	22.79
20	100	0		22.74	22.66	22.85
20	1	0	16-QAM	24.67	24.69	24.8
20	1	49		24.68	24.68	24.95
20	1	99		24.65	24.71	24.9
20	50	0		23.6	23.71	23.75
20	50	24		23.66	23.7	23.76
20	50	49		23.64	23.61	23.79
20	100	0		23.71	23.77	23.86

11. EUT and Test Setup Photo

11.1 EUT Photos

Front side

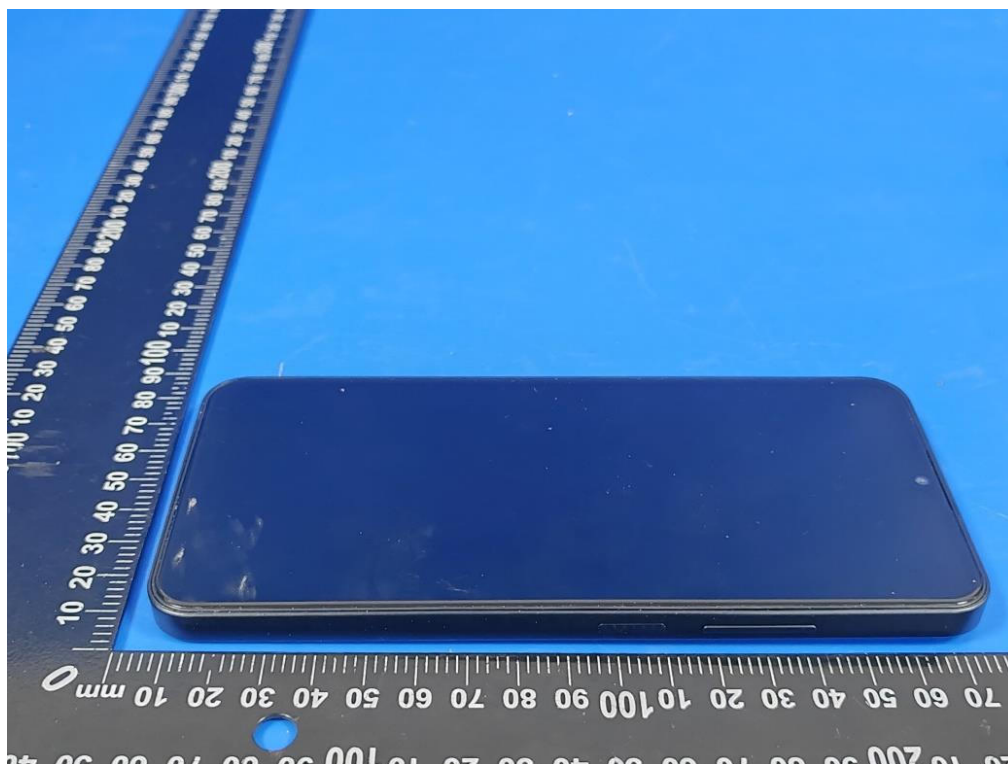


Back side





Right Edge



Left Edge





Top Edge



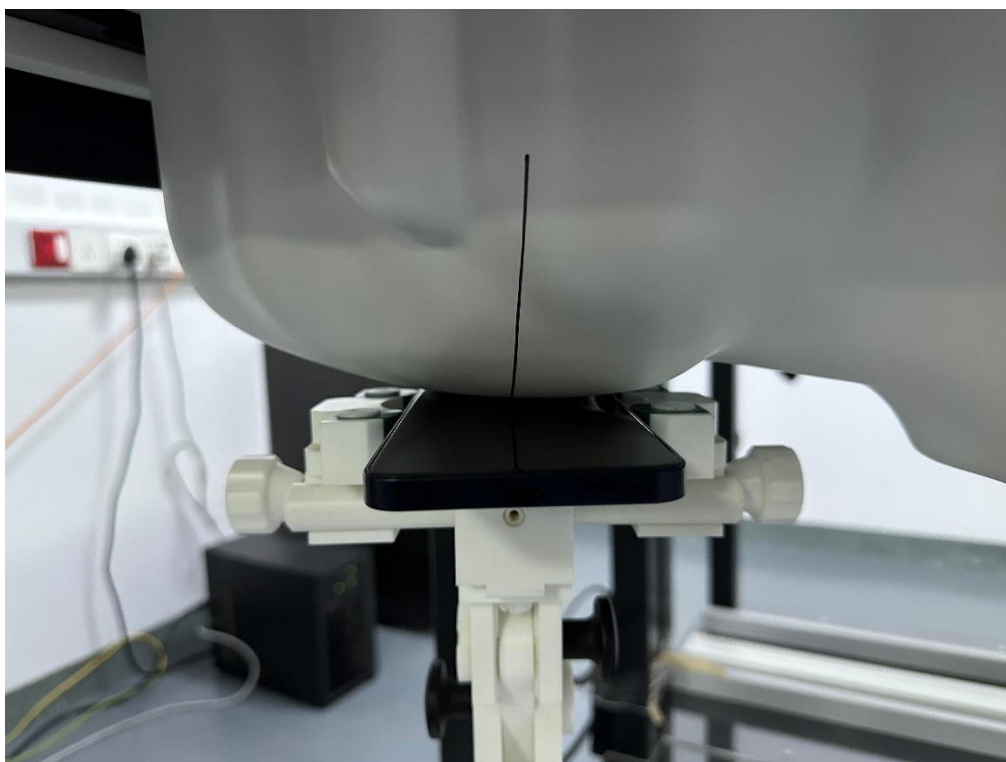
Bottom Edge



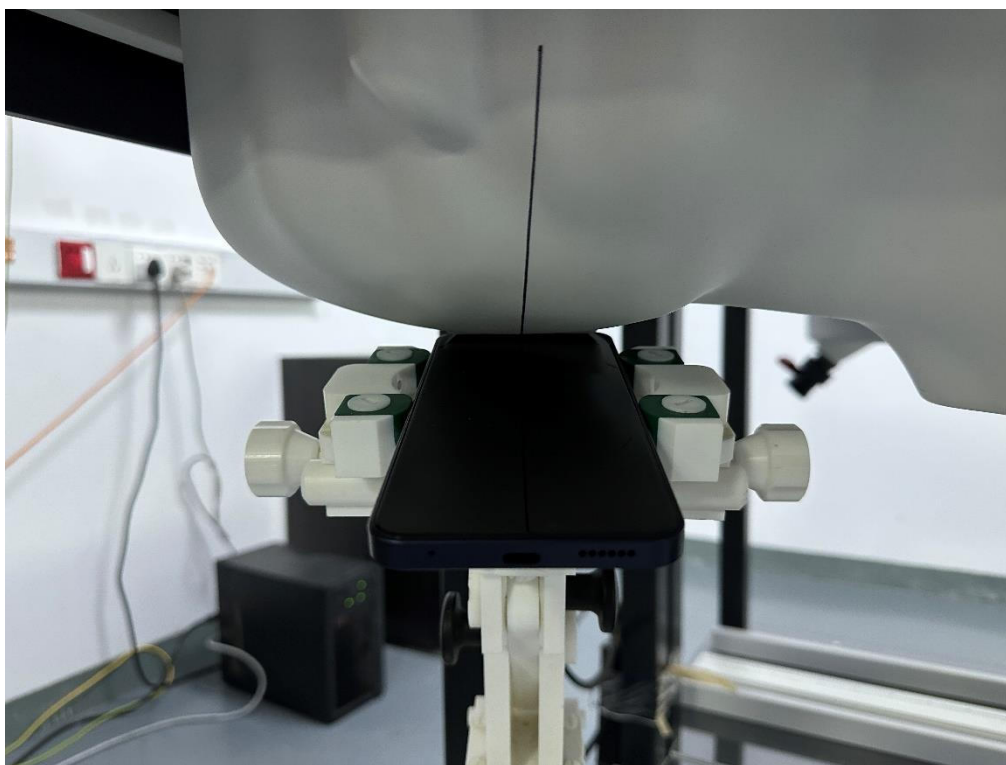


11.2 Setup Photos

Right Touch

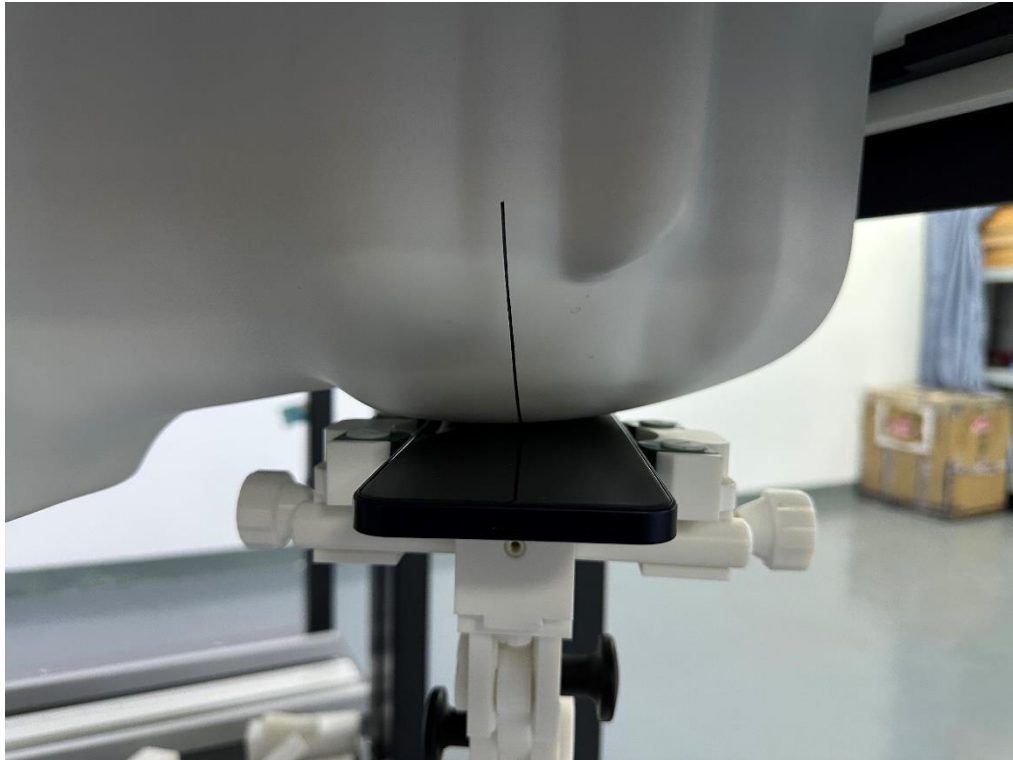


Right Tilt





Left Touch

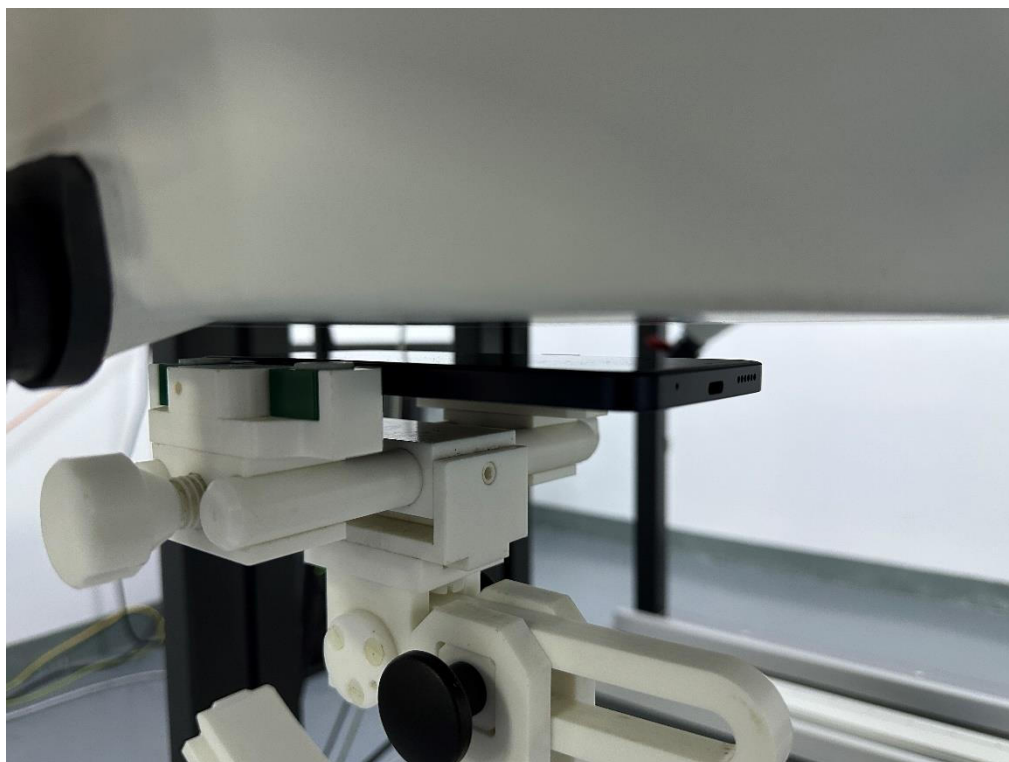


Left Tilt

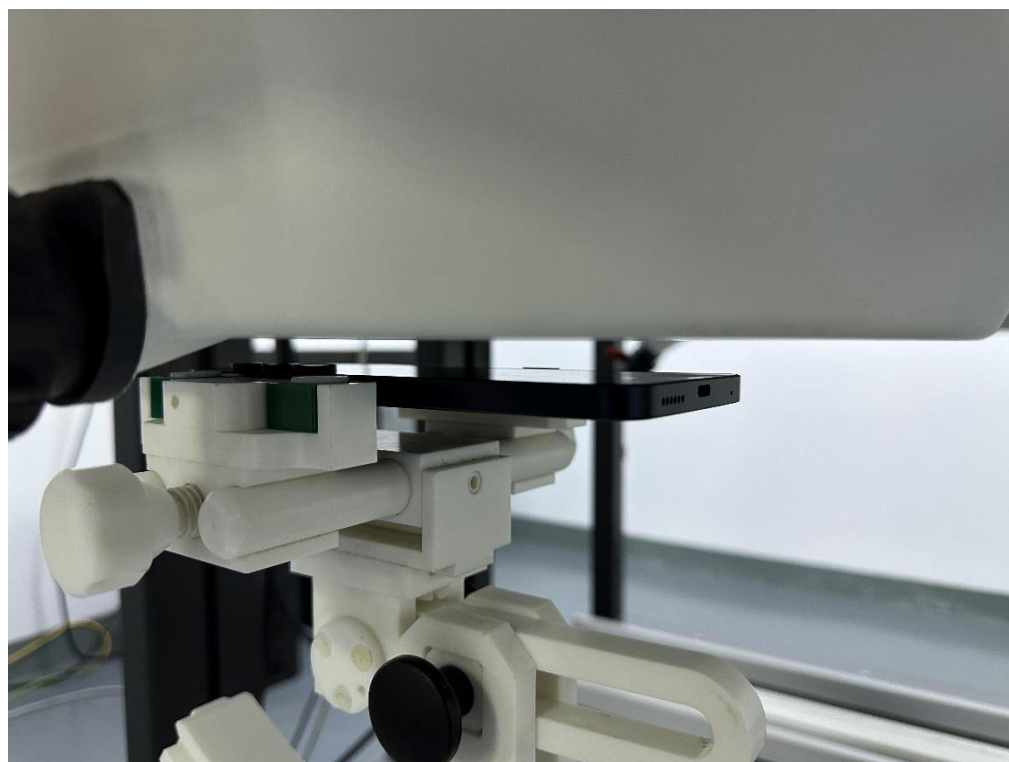




Body Front side (separation distance is 10mm)



Body Back side (separation distance 10mm)





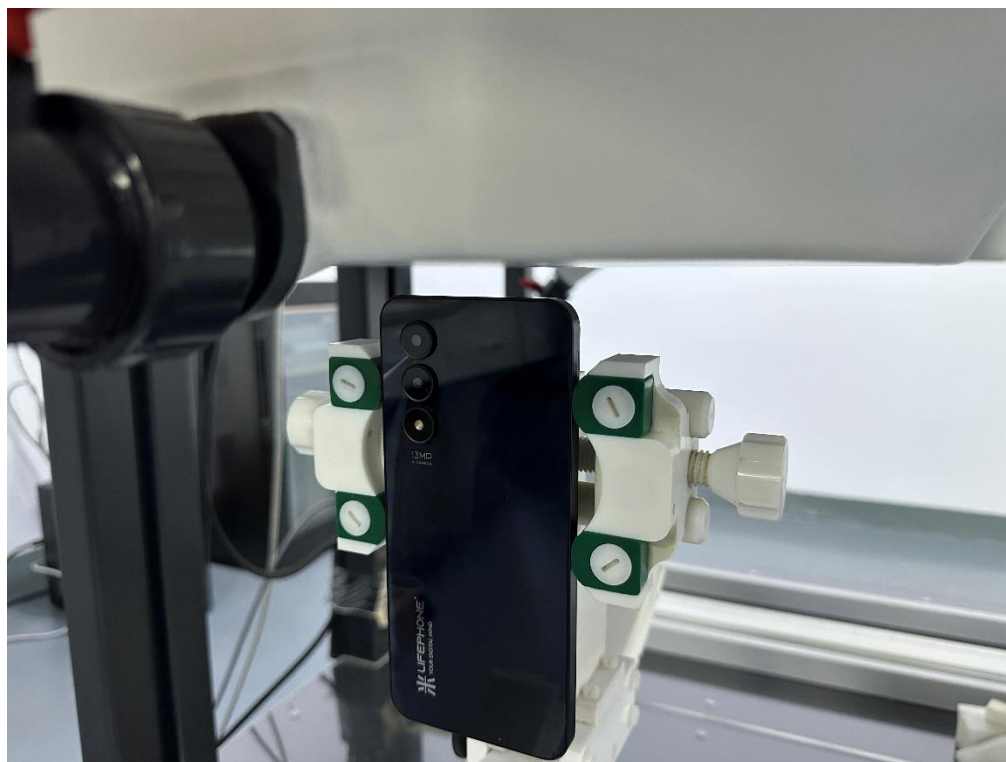
Body Left side (separation distance is 10mm)



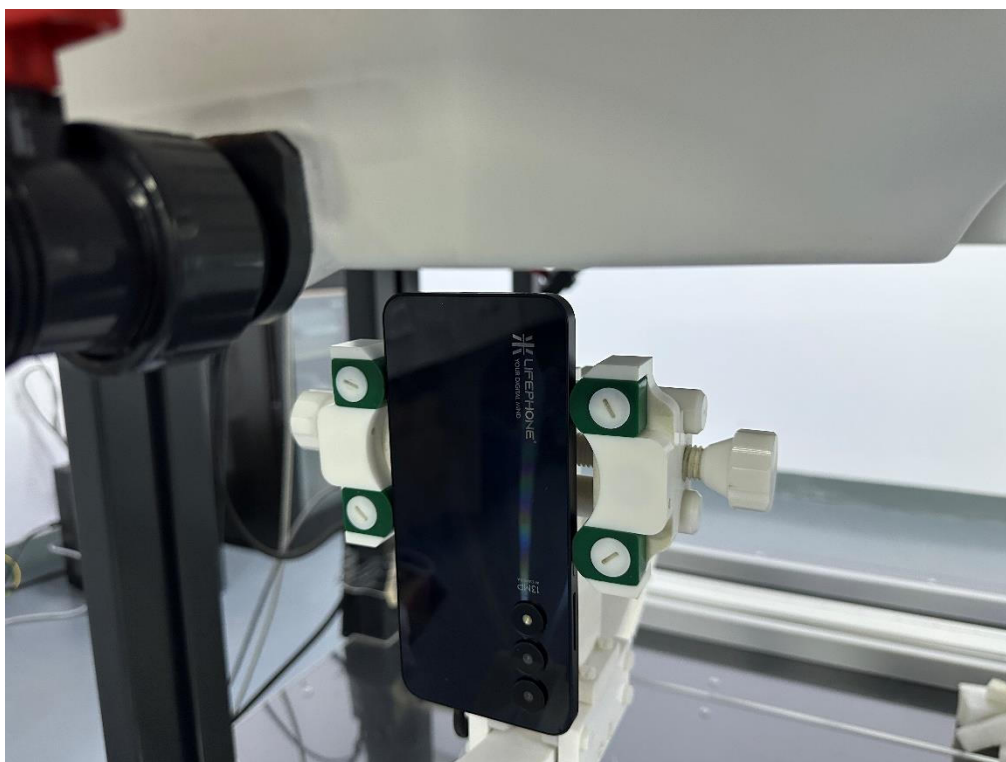
Body Right side (separation distance is 10mm)



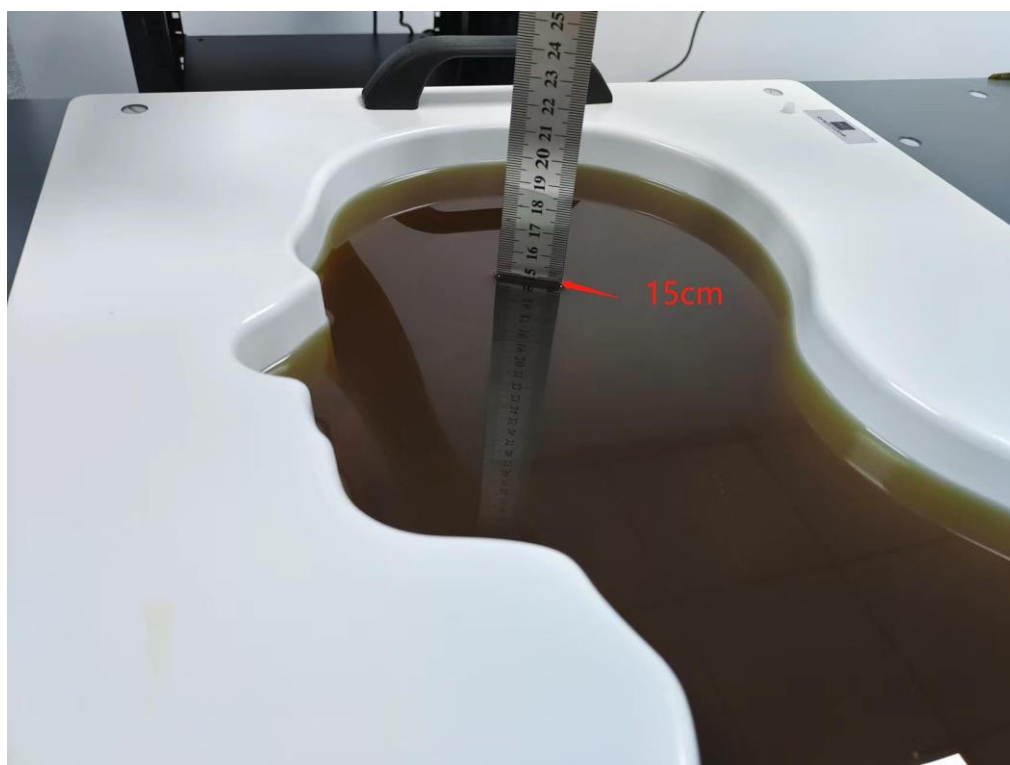
Body Top side (separation distance is 10mm)



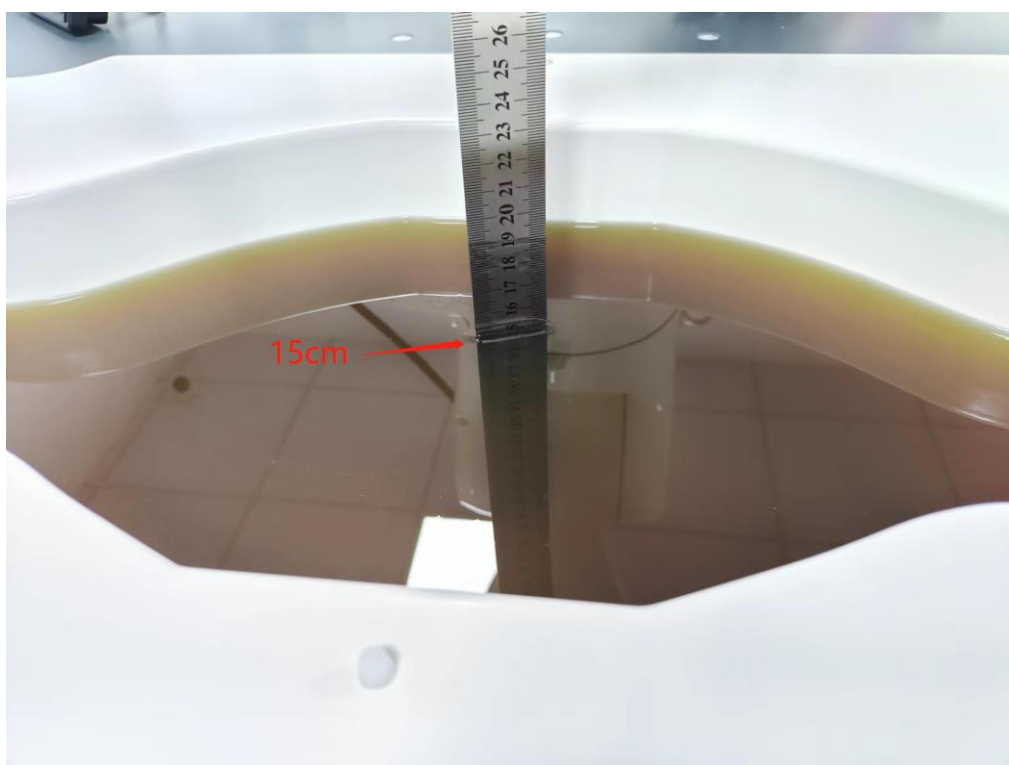
Body Bottom side (separation distance is 10mm)



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)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
GSM850	GSM	Right Cheek	824.2	0.245	-1.34	34.30	34.19	1.026	0.251	1
		Right Tilt	824.2	0.204	2.18	34.30	34.19	1.026	0.209	/
		Left Cheek	824.2	0.225	-0.02	34.30	34.19	1.026	0.231	/
		Left Tilt	824.2	0.183	1.95	34.30	34.19	1.026	0.188	/
PCS 1900	GPRS	Right Cheek	1850.2	0.781	3.96	30.70	30.64	1.014	0.792	/
		Right Tilt	1850.2	0.643	1.64	30.70	30.64	1.014	0.652	/
		Left Cheek	1850.2	0.938	-1.61	30.70	30.64	1.014	0.951	3
		Left Cheek	1880	0.812	-2.41	30.70	30.61	1.021	0.829	/
		Left Cheek	1909.8	0.819	1.05	30.70	30.07	1.156	0.947	/
		Left Tilt	1850.2	0.754	-3.55	30.70	30.64	1.014	0.764	/
WCDMA Band II	RMC	Right Cheek	1852.4	0.604	0.68	24.00	23.82	1.042	0.630	/
		Right Tilt	1852.4	0.497	2.14	24.00	23.82	1.042	0.518	/
		Left Cheek	1852.4	0.726	-2.64	24.00	23.82	1.042	0.757	5
		Left Tilt	1852.4	0.584	-1.43	24.00	23.82	1.042	0.609	/
WCDMA Band IV	RMC	Right Cheek	1752.4	0.764	-0.55	24.00	23.86	1.033	0.789	/
		Right Tilt	1752.4	0.627	0.82	24.00	23.86	1.033	0.648	/
		Left Cheek	1712.6	0.956	-2.56	24.00	23.77	1.054	1.008	/
		Left Cheek	1740	0.971	1.08	24.00	23.81	1.045	1.014	/
		Left Cheek	1752.4	0.990	3.47	24.00	23.86	1.033	1.022	7
		Left Tilt	1752.4	0.771	-0.33	24.00	23.86	1.033	0.796	/
WCDMA Band V	RMC	Right Cheek	846.6	0.186	0.50	24.50	24.42	1.019	0.189	9
		Right Tilt	846.6	0.152	3.64	24.50	24.42	1.019	0.155	/
		Left Cheek	846.6	0.116	2.21	24.50	24.42	1.019	0.118	/
		Left Tilt	846.6	0.093	-0.38	24.50	24.42	1.019	0.095	/
2.4G WLAN	802.11b	Right Cheek	2412	0.172	3.43	17.30	17.13	1.040	0.179	/
		Right Tilt	2412	0.236	-0.96	17.30	17.13	1.040	0.245	/
		Left Cheek	2412	0.362	1.42	17.30	17.13	1.040	0.376	/
		Left Tilt	2412	0.379	-2.74	17.30	17.13	1.040	0.394	11



Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Right Cheek	1860	0.695	-0.98	24.60	24.50	1.023	0.711	/
			50	0	Right Cheek	1880	0.642	-1.08	23.00	22.97	1.007	0.646	/
			1	0	Right Tilt	1860	0.594	-3.92	24.60	24.50	1.023	0.608	/
			50	0	Right Tilt	1880	0.548	-3.57	23.00	22.97	1.007	0.552	/
			1	0	Left Cheek	1860	0.770	2.09	24.60	24.50	1.023	0.788	13
			50	0	Left Cheek	1880	0.708	-0.11	23.00	22.97	1.007	0.713	/
			1	0	Left Tilt	1860	0.655	-1.57	24.60	24.50	1.023	0.670	/
			50	0	Left Tilt	1880	0.602	2.01	23.00	22.97	1.007	0.606	/
LTE Band 4	20M	QPSK	1	0	Right Cheek	1720	0.574	1.78	25.50	25.30	1.047	0.601	/
			50	0	Right Cheek	1745	0.527	-0.35	23.00	22.85	1.035	0.546	/
			1	0	Right Tilt	1720	0.487	1.66	25.50	25.30	1.047	0.510	/
			50	0	Right Tilt	1745	0.450	1.77	23.00	22.85	1.035	0.466	/
			1	0	Left Cheek	1720	0.638	-0.70	25.50	25.30	1.047	0.668	15
			50	0	Left Cheek	1745	0.588	2.82	23.00	22.85	1.035	0.609	/
			1	0	Left Tilt	1720	0.544	2.90	25.50	25.30	1.047	0.570	/
			50	0	Left Tilt	1745	0.498	-0.03	23.00	22.85	1.035	0.516	/
LTE Band 5	10M	QPSK	1	0	Right Cheek	844	0.207	3.91	24.50	24.30	1.047	0.217	17
			25	0	Right Cheek	844	0.193	-3.17	24.30	24.19	1.026	0.198	/
			1	0	Right Tilt	844	0.177	-2.62	24.50	24.30	1.047	0.185	/
			25	0	Right Tilt	844	0.167	0.13	24.30	24.19	1.026	0.171	/
			1	0	Left Cheek	844	0.186	2.16	24.50	24.30	1.047	0.195	/
			25	0	Left Cheek	844	0.171	-0.11	24.30	24.19	1.026	0.175	/
			1	0	Left Tilt	844	0.161	0.19	24.50	24.30	1.047	0.169	/
			25	0	Left Tilt	844	0.147	3.15	24.30	24.19	1.026	0.151	/



LTE Band 7	20M	QPSK	1	0	Right Cheek	2510	0.705	-2.84	25.30	25.25	1.012	0.713	/
			50	0	Right Cheek	2510	0.650	0.15	23.00	22.75	1.059	0.689	/
			1	0	Right Tilt	2510	0.602	-1.80	25.30	25.25	1.012	0.609	/
			50	0	Right Tilt	2510	0.556	-0.55	23.00	22.75	1.059	0.589	/
			1	0	Left Cheek	2510	0.937	-2.36	25.30	25.25	1.012	0.948	19
			1	0	Left Cheek	2535	0.914	-1.03	24.50	24.41	1.021	0.933	/
			1	0	Left Cheek	2560	0.918	0.69	23.70	23.67	1.007	0.924	/
			50	0	Left Cheek	2510	0.845	-0.38	23.00	22.75	1.059	0.895	/
			50	0	Left Cheek	2535	0.808	-3.55	22.50	22.30	1.047	0.846	/
			50	0	Left Cheek	2560	0.833	3.52	22.00	21.92	1.019	0.848	/
			100	0	Left Cheek	2510	0.843	0.99	23.00	22.70	1.072	0.903	/
			100	0	Left Cheek	2535	0.809	-3.02	22.50	22.30	1.047	0.847	/
			100	0	Left Cheek	2560	0.836	3.98	22.00	21.78	1.052	0.879	/
			1	0	Left Tilt	2510	0.707	-2.05	25.30	25.25	1.012	0.715	/
			50	0	Left Tilt	2510	0.651	-1.33	23.00	22.75	1.059	0.690	/
LTE Band 12	10M	QPSK	1	0	Right Cheek	704	0.227	3.54	25.10	25.01	1.021	0.232	21
			25	0	Right Cheek	711	0.207	-0.94	23.20	23.11	1.021	0.211	/
			1	0	Right Tilt	704	0.193	0.26	25.10	25.01	1.021	0.197	/
			25	0	Right Tilt	711	0.178	-3.54	23.20	23.11	1.021	0.182	/
			1	0	Left Cheek	704	0.207	1.61	25.10	25.01	1.021	0.211	/
			25	0	Left Cheek	711	0.194	-0.37	23.20	23.11	1.021	0.198	/
			1	0	Left Tilt	704	0.180	-0.73	25.10	25.01	1.021	0.184	/
			25	0	Left Tilt	711	0.168	0.54	23.20	23.11	1.021	0.172	/
LTE Band 13	10M	QPSK	1	0	Right Cheek	782	0.170	3.75	25.10	25.02	1.019	0.173	23
			25	0	Right Cheek	782	0.158	2.53	22.50	22.44	1.014	0.160	/
			1	0	Right Tilt	782	0.148	2.28	25.10	25.02	1.019	0.151	/
			25	0	Right Tilt	782	0.139	-2.20	22.50	22.44	1.014	0.141	/
			1	0	Left Cheek	782	0.154	1.02	25.10	25.02	1.019	0.157	/
			25	0	Left Cheek	782	0.143	2.55	22.50	22.44	1.014	0.145	/
			1	0	Left Tilt	782	0.134	1.82	25.10	25.02	1.019	0.136	/
			25	0	Left Tilt	782	0.124	3.26	22.50	22.44	1.014	0.126	/



LTE Band 17	10M	QPSK	1	0	Right Cheek	709	0.237	3.92	25.00	24.92	1.019	0.241	25
			25	0	Right Cheek	711	0.217	-3.61	23.20	23.12	1.019	0.221	/
			1	0	Right Tilt	709	0.206	1.87	25.00	24.92	1.019	0.210	/
			25	0	Right Tilt	711	0.192	-1.63	23.20	23.12	1.019	0.196	/
			1	0	Left Cheek	709	0.213	3.42	25.00	24.92	1.019	0.217	/
			25	0	Left Cheek	711	0.197	1.35	23.20	23.12	1.019	0.201	/
			1	0	Left Tilt	709	0.183	-3.94	25.00	24.92	1.019	0.186	/
			25	0	Left Tilt	711	0.169	1.85	23.20	23.12	1.019	0.172	/
LTE Band 38	20M	QPSK	1	0	Right Cheek	2610	0.431	2.29	25.00	24.63	1.089	0.469	/
			50	0	Right Cheek	2610	0.398	0.61	23.50	23.45	1.012	0.403	/
			1	0	Right Tilt	2610	0.366	-2.91	25.00	24.63	1.089	0.399	/
			50	0	Right Tilt	2610	0.338	3.52	23.50	23.45	1.012	0.342	/
			1	0	Left Cheek	2610	0.477	0.33	25.00	24.63	1.089	0.519	27
			50	0	Left Cheek	2610	0.441	2.54	23.50	23.45	1.012	0.446	/
			1	0	Left Tilt	2610	0.408	-2.06	25.00	24.63	1.089	0.444	/
			50	0	Left Tilt	2610	0.379	0.88	23.50	23.45	1.012	0.383	/
LTE Band 40	10M	QPSK	1	0	Right Cheek	2355	0.132	-2.68	13.50	13.43	1.016	0.134	/
			50	0	Right Cheek	2355	0.123	2.98	12.50	12.26	1.057	0.130	/
			1	0	Right Tilt	2355	0.112	0.71	13.50	13.43	1.016	0.114	/
			50	0	Right Tilt	2355	0.104	3.92	12.50	12.26	1.057	0.110	/
			1	0	Left Cheek	2355	0.144	-1.59	13.50	13.43	1.016	0.146	29
			50	0	Left Cheek	2355	0.134	1.72	12.50	12.26	1.057	0.142	/
			1	0	Left Tilt	2355	0.125	1.91	13.50	13.43	1.016	0.127	/
			50	0	Left Tilt	2355	0.116	0.63	12.50	12.26	1.057	0.123	/



LTE Band 66	20M	QPSK	1	0	Right Cheek	1720	0.736	-2.49	25.30	25.29	1.002	0.738	/
			50	0	Right Cheek	1745	0.677	1.73	23.00	22.84	1.038	0.702	/
			1	0	Right Tilt	1720	0.629	-1.19	25.30	25.29	1.002	0.630	/
			50	0	Right Tilt	1745	0.578	-3.81	23.00	22.84	1.038	0.600	/
			1	0	Left Cheek	1720	1.048	-3.96	25.30	25.29	1.002	1.050	31
			1	0	Left Cheek	1745	0.996	1.30	24.30	24.25	1.012	1.008	/
			1	0	Left Cheek	1770	1.010	3.24	24.30	24.24	1.014	1.024	/
			50	0	Left Cheek	1720	0.796	1.09	22.60	22.51	1.021	0.813	/
			50	0	Left Cheek	1745	0.838	-1.32	23.00	22.84	1.038	0.869	/
			50	0	Left Cheek	1770	0.818	-0.70	23.00	22.83	1.040	0.851	/
			100	0	Left Cheek	1720	0.800	3.15	23.00	22.74	1.062	0.849	/
			100	0	Left Cheek	1745	0.839	-2.11	23.00	22.66	1.081	0.907	/
			100	0	Left Cheek	1770	0.819	-1.39	23.00	22.85	1.035	0.848	/
			1	0	Left Tilt	1720	0.738	-3.26	25.30	25.29	1.002	0.740	/
			50	0	Left Tilt	1745	0.682	3.51	23.00	22.84	1.038	0.708	/

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)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
GSM850	GPRS Data-2 Slot	Front Side	824.2	0.15	-1.62	32.00	31.92	1.019	0.153	/
		Back Side	824.2	0.102	-2.09	32.00	31.92	1.019	0.104	/
		Left Side	824.2	0.139	3.37	32.00	31.92	1.019	0.142	/
		Right Side	824.2	0.17	0.51	32.00	31.92	1.019	0.173	/
		Top Side	824.2	0.015	1.77	32.00	31.92	1.019	0.015	/
		Bottom Side	824.2	0.209	2.91	32.00	31.92	1.019	0.213	2
PCS 1900	GPRS Data-3 Slot	Front Side	1850.2	0.284	2.65	27.00	26.93	1.016	0.289	/
		Back Side	1850.2	0.401	-2.34	27.00	26.93	1.016	0.408	4
		Left Side	1850.2	0.342	3.61	27.00	26.93	1.016	0.348	/
		Right Side	1850.2	0.381	-2.03	27.00	26.93	1.016	0.387	/
		Top Side	1850.2	0.161	2.64	27.00	26.93	1.016	0.164	/
WCDMA Band II	RMC	Front Side	1852.4	0.169	-2.33	24.00	23.82	1.042	0.176	/
		Back Side	1852.4	0.241	-1.31	24.00	23.82	1.042	0.251	6
		Left Side	1852.4	0.209	1.26	24.00	23.82	1.042	0.218	/
		Right Side	1852.4	0.233	2.71	24.00	23.82	1.042	0.243	/
		Top Side	1852.4	0.101	0.32	24.00	23.82	1.042	0.105	/
WCDMA Band IV	RMC	Front Side	1752.4	0.277	-2.81	24.00	23.86	1.033	0.286	/
		Back Side	1752.4	0.391	-1.46	24.00	23.86	1.033	0.404	8
		Left Side	1752.4	0.333	-1.13	24.00	23.86	1.033	0.344	/
		Right Side	1752.4	0.372	-2.48	24.00	23.86	1.033	0.384	/
		Top Side	1752.4	0.183	-3.08	24.00	23.86	1.033	0.189	/
WCDMA Band V	RMC	Front Side	846.6	0.145	-3.59	24.50	24.42	1.019	0.148	/
		Back Side	846.6	0.160	-1.95	24.50	24.42	1.019	0.163	/
		Left Side	846.6	0.094	3.21	24.50	24.42	1.019	0.096	/
		Right Side	846.6	0.159	-0.02	24.50	24.42	1.019	0.162	/
		Bottom Side	846.6	0.226	0.75	24.50	24.42	1.019	0.230	10
2.4GHz WLAN	802.11b	Front Side	2412	0.076	-2.48	17.30	17.13	1.040	0.079	/
		Back Side	2412	0.067	2.09	17.30	17.13	1.040	0.070	/
		Right Side	2412	0.147	3.86	17.30	17.13	1.040	0.153	12
		Top Side	2412	0.051	-2.64	17.30	17.13	1.040	0.053	/



Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Front side	1860	0.194	-2.96	24.60	24.50	1.023	0.199	/
			50	0	Front side	1880	0.178	0.60	23.00	22.97	1.007	0.179	/
			1	0	Back Side	1860	0.503	1.09	24.60	24.50	1.023	0.515	14
			50	0	Back Side	1880	0.453	1.06	23.00	22.97	1.007	0.456	/
			1	0	Left Side	1860	0.314	-3.78	24.60	24.50	1.023	0.321	/
			50	0	Left Side	1880	0.283	0.81	23.00	22.97	1.007	0.285	/
			1	0	Right Side	1860	0.140	-0.96	24.60	24.50	1.023	0.143	/
			50	0	Right Side	1880	0.129	2.06	23.00	22.97	1.007	0.130	/
			1	0	Top Side	1860	0.245	-0.21	24.60	24.50	1.023	0.251	/
			50	0	Top Side	1880	0.219	-1.12	23.00	22.97	1.007	0.221	/
LTE Band 4	20M	QPSK	1	0	Front side	1720	0.228	0.10	25.50	25.30	1.047	0.239	/
			50	0	Front side	1745	0.205	3.51	23.00	22.85	1.035	0.212	/
			1	0	Back Side	1720	0.351	1.76	25.50	25.30	1.047	0.368	16
			50	0	Back Side	1745	0.318	-1.72	23.00	22.85	1.035	0.329	/
			1	0	Left Side	1720	0.277	1.28	25.50	25.30	1.047	0.290	/
			50	0	Left Side	1745	0.25	-0.29	23.00	22.85	1.035	0.259	/
			1	0	Right Side	1720	0.301	-2.45	25.50	25.30	1.047	0.315	/
			50	0	Right Side	1745	0.274	2.38	23.00	22.85	1.035	0.284	/
			1	0	Top Side	1720	0.203	-3.02	25.50	25.30	1.047	0.213	/
			50	0	Top Side	1745	0.197	1.66	23.00	22.85	1.035	0.204	/
LTE Band 5	10M	QPSK	1	0	Front side	844	0.135	-2.19	24.50	24.30	1.047	0.141	/
			25	0	Front side	844	0.124	2.26	24.30	24.19	1.026	0.127	/
			1	0	Back Side	844	0.092	-2.23	24.50	24.30	1.047	0.096	/
			25	0	Back Side	844	0.083	2.82	24.30	24.19	1.026	0.085	/
			1	0	Left Side	844	0.125	2.23	24.50	24.30	1.047	0.131	/
			25	0	Left Side	844	0.114	-1.30	24.30	24.19	1.026	0.117	/
			1	0	Right Side	844	0.154	-0.71	24.50	24.30	1.047	0.161	/
			25	0	Right Side	844	0.139	2.08	24.30	24.19	1.026	0.143	/
			1	0	Bottom Side	844	0.187	-0.25	24.50	24.30	1.047	0.196	18
			25	0	Bottom Side	844	0.169	0.20	24.30	24.19	1.026	0.173	/
	20M	QPSK	1	0	Front side	2510	0.371	-2.97	25.30	25.25	1.012	0.375	/



LTE Band 7			50	0	Front side	2510	0.335	2.29	23.00	22.75	1.059	0.355	/
			1	0	Back Side	2510	0.570	3.01	25.30	25.25	1.012	0.577	20
			50	0	Back Side	2510	0.516	-2.48	23.00	22.75	1.059	0.547	/
			1	0	Left Side	2510	0.448	-3.37	25.30	25.25	1.012	0.453	/
			50	0	Left Side	2510	0.406	-1.95	23.00	22.75	1.059	0.430	/
			1	0	Right Side	2510	0.486	2.53	25.30	25.25	1.012	0.492	/
			50	0	Right Side	2510	0.441	2.24	23.00	22.75	1.059	0.467	/
			1	0	Top Side	2510	0.387	2.42	25.30	25.25	1.012	0.392	/
			50	0	Top Side	2510	0.283	3.49	23.00	22.75	1.059	0.300	/
LTE Band 12	10M	QPSK	1	0	Front side	704	0.051	0.88	25.10	25.01	1.021	0.052	/
			25	0	Front side	711	0.043	-2.67	23.20	23.11	1.021	0.044	/
			1	0	Back Side	704	0.035	-0.78	25.10	25.01	1.021	0.036	/
			25	0	Back Side	711	0.034	-1.05	23.20	23.11	1.021	0.035	/
			1	0	Left Side	704	0.045	3.60	25.10	25.01	1.021	0.046	/
			25	0	Left Side	711	0.044	3.32	23.20	23.11	1.021	0.045	/
			1	0	Right Side	704	0.056	1.77	25.10	25.01	1.021	0.057	/
			25	0	Right Side	711	0.052	-3.33	23.20	23.11	1.021	0.053	/
			1	0	Bottom Side	704	0.069	-0.53	25.10	25.01	1.021	0.070	22
			25	0	Bottom Side	711	0.063	-2.41	23.20	23.11	1.021	0.064	/
LTE Band 13	10M	QPSK	1	0	Front side	782	0.09	3.41	25.10	25.02	1.019	0.092	/
			25	0	Front side	782	0.084	-0.68	22.50	22.44	1.014	0.085	/
			1	0	Back Side	782	0.066	-0.20	25.10	25.02	1.019	0.067	/
			25	0	Back Side	782	0.061	-0.72	22.50	22.44	1.014	0.062	/
			1	0	Left Side	782	0.084	-2.39	25.10	25.02	1.019	0.086	/
			25	0	Left Side	782	0.074	3.08	22.50	22.44	1.014	0.075	/
			1	0	Right Side	782	0.106	-0.23	25.10	25.02	1.019	0.108	/
			25	0	Right Side	782	0.094	2.70	22.50	22.44	1.014	0.095	/
			1	0	Bottom Side	782	0.128	-2.75	25.10	25.02	1.019	0.130	24
			25	0	Bottom Side	782	0.117	-3.55	22.50	22.44	1.014	0.119	/
LTE Band 17	10M	QPSK	1	0	Front side	709	0.205	-1.20	25.00	24.92	1.019	0.209	/
			25	0	Front side	711	0.186	1.12	23.20	23.12	1.019	0.189	/
			1	0	Back Side	709	0.142	3.66	25.00	24.92	1.019	0.145	/
			25	0	Back Side	711	0.129	2.00	23.20	23.12	1.019	0.131	/



			1	0	Left Side	709	0.186	2.83	25.00	24.92	1.019	0.189	/
			25	0	Left Side	711	0.169	-3.13	23.20	23.12	1.019	0.172	/
			1	0	Right Side	709	0.23	2.38	25.00	24.92	1.019	0.234	/
			25	0	Right Side	711	0.21	2.16	23.20	23.12	1.019	0.214	/
			1	0	Bottom Side	709	0.287	-0.86	25.00	24.92	1.019	0.292	26
			25	0	Bottom Side	711	0.261	-3.16	23.20	23.12	1.019	0.266	/
LTE Band 38	20M	QPSK	1	0	Front side	2610	0.139	-2.23	25.00	24.63	1.089	0.151	/
			50	0	Front side	2610	0.126	1.91	23.50	23.45	1.012	0.127	/
			1	0	Back Side	2610	0.214	-1.14	25.00	24.63	1.089	0.233	28
			50	0	Back Side	2610	0.193	-1.24	23.50	23.45	1.012	0.195	/
			1	0	Left Side	2610	0.171	3.40	25.00	24.63	1.089	0.186	/
			50	0	Left Side	2610	0.155	-2.74	23.50	23.45	1.012	0.157	/
			1	0	Right Side	2610	0.184	0.65	25.00	24.63	1.089	0.200	/
			50	0	Right Side	2610	0.166	3.10	23.50	23.45	1.012	0.168	/
			1	0	Top Side	2610	0.197	-2.68	25.00	24.63	1.089	0.021	/
			50	0	Top Side	2610	0.18	0.52	23.50	23.45	1.012	0.182	/
LTE Band 40	10M	QPSK	1	0	Front side	2355	0.105	-1.01	13.50	13.43	1.016	0.107	/
			50	0	Front side	2355	0.096	0.38	12.50	12.26	1.057	0.101	/
			1	0	Back Side	2355	0.191	3.81	13.50	13.43	1.016	0.194	30
			50	0	Back Side	2355	0.171	3.01	12.50	12.26	1.057	0.181	/
			1	0	Left Side	2355	0.126	-3.43	13.50	13.43	1.016	0.128	/
			50	0	Left Side	2355	0.116	2.00	12.50	12.26	1.057	0.123	/
			1	0	Right Side	2355	0.163	3.49	13.50	13.43	1.016	0.166	/
			50	0	Right Side	2355	0.146	-3.80	12.50	12.26	1.057	0.154	/
			1	0	Top Side	2355	0.082	2.15	13.50	13.43	1.016	0.083	/
			50	0	Top Side	2355	0.057	-0.45	12.50	12.26	1.057	0.060	/
LTE Band 66	20M	QPSK	1	0	Front side	1720	0.243	-3.41	25.30	25.29	1.002	0.244	/
			50	0	Front side	1745	0.222	-0.33	23.00	22.84	1.038	0.230	/
			1	0	Back Side	1720	0.371	3.20	25.30	25.29	1.002	0.372	32
			50	0	Back Side	1745	0.337	3.06	23.00	22.84	1.038	0.350	/
			1	0	Left Side	1720	0.295	1.70	25.30	25.29	1.002	0.296	/
			50	0	Left Side	1745	0.264	3.17	23.00	22.84	1.038	0.274	/
			1	0	Right Side	1720	0.319	3.72	25.30	25.29	1.002	0.320	/



			50	0	Right Side	1745	0.287	0.41	23.00	22.84	1.038	0.298	/
			1	0	Top Side	1720	0.283	-0.60	25.30	25.29	1.002	0.284	/
			50	0	Top Side	1745	0.217	-1.91	23.00	22.84	1.038	0.225	/

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.



12.3 Repeated SAR

Band	Mode	Test Position	Ch.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR(W/Kg)
PCS 1900	GPRS	Left Cheek	1850.2	0.938	-2.10	30.70	30.64	1.014	0.951
		Left Cheek	1880	0.812	-3.85	30.70	30.61	1.021	0.829
		Left Cheek	1909.8	0.819	-2.27	30.70	30.07	1.156	0.947
WCDMA Band IV	RMC	Left Cheek	1712.6	0.956	-3.98	24.00	23.77	1.054	1.008
		Left Cheek	1740	0.971	0.98	24.00	23.81	1.045	1.014
		Left Cheek	1752.4	0.990	-1.54	24.00	23.86	1.033	1.022

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR(W/Kg)
LTE Band 7	20M	QPSK	1	0	Left Cheek	2510	0.937	-1.52	25.30	25.25	1.012	0.948
			1	0	Left Cheek	2535	0.914	0.06	24.50	24.41	1.021	0.933
			1	0	Left Cheek	2560	0.918	-1.04	23.70	23.67	1.007	0.924
			50	0	Left Cheek	2510	0.844	1.90	23.00	22.75	1.059	0.894
			50	0	Left Cheek	2535	0.805	2.38	22.50	22.30	1.047	0.843
			50	0	Left Cheek	2560	0.834	0.63	22.00	21.92	1.019	0.850
			100	0	Left Cheek	2510	0.843	-2.92	23.00	22.70	1.072	0.903
			100	0	Left Cheek	2535	0.804	-0.71	22.50	22.30	1.047	0.842
			100	0	Left Cheek	2560	0.832	3.01	22.00	21.78	1.052	0.875
LTE Band 66	20M	QPSK	1	0	Left Cheek	1720	1.048	-0.05	25.30	25.29	1.002	1.050
			1	0	Left Cheek	1745	0.996	-2.57	24.30	24.25	1.012	1.008
			1	0	Left Cheek	1770	1.010	1.32	24.30	24.24	1.014	1.024
			50	0	Left Cheek	1720	0.800	1.83	22.60	22.51	1.021	0.817
			50	0	Left Cheek	1745	0.841	-2.33	23.00	22.84	1.038	0.873
			50	0	Left Cheek	1770	0.818	2.17	23.00	22.83	1.040	0.851
			100	0	Left Cheek	1720	0.795	-3.76	23.00	22.74	1.062	0.844
			100	0	Left Cheek	1745	0.839	-3.03	23.00	22.66	1.081	0.907
			100	0	Left Cheek	1770	0.822	-0.53	23.00	22.85	1.035	0.851



12.4 Repeated SAR measurement

Band	Mode	Test Position	Ch.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio
PCS 1900	GPRS	Left Cheek	1850	0.854	0.842	1.015
		Left Cheek	1880	0.896	0.891	1.005
		Left Cheek	1910	0.92	0.904	1.017
WCDMA Band IV	RMC	Left Cheek	1713	0.854	0.849	1.006
		Left Cheek	1740	0.896	0.882	1.016
		Left Cheek	1752	0.92	0.905	1.017

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 7	20M	QPSK	1	0	Left Cheek	2510	0.937	0.928	1.010
			1	0	Left Cheek	2535	0.914	0.896	1.020
			1	0	Left Cheek	2560	0.918	0.889	1.032
			50	0	Left Cheek	2510	0.845	0.803	1.052
			50	0	Left Cheek	2535	0.805	0.776	1.037
			50	0	Left Cheek	2560	0.834	0.810	1.029
			100	0	Left Cheek	2510	0.846	0.832	1.017
			100	0	Left Cheek	2535	0.809	0.805	1.006
LTE Band 66	20M	QPSK	100	0	Left Cheek	2560	0.834	0.831	1.004
			1	0	Left Cheek	1720	1.048	0.998	1.050
			1	0	Left Cheek	1745	0.996	0.966	1.031
			1	0	Left Cheek	1770	1.010	0.996	1.014
			50	0	Left Cheek	1720	0.796	0.758	1.049
			50	0	Left Cheek	1745	0.840	0.816	1.029
			50	0	Left Cheek	1770	0.819	0.796	1.028
			100	0	Left Cheek	1720	0.799	0.780	1.025
			100	0	Left Cheek	1745	0.842	0.832	1.012
			100	0	Left Cheek	1770	0.819	0.797	1.027

Note:

1. Per KDB 865664 D01, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8W/Kg$.
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 $< 1.45W/Kg$, 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 $\geq 1.45W/Kg$.
4. The ratio is the difference in percentage between original and repeated measured SAR.



12.5 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

Position	Simultaneous State
Head	1. GSM + 2.4GHz WLAN+NFC
	2. GSM + Bluetooth +NFC
	3. WCDMA + 2.4GHz WLAN +NFC
	4. WCDMA + Bluetooth +NFC
	5. LTE + 2.4GHz WLAN+NFC
	6. LTE + Bluetooth +NFC
Body	1. GSM + 2.4GHz WLAN+NFC
	2. GSM + Bluetooth +NFC
	3. WCDMA + 2.4GHz WLAN+NFC
	4. WCDMA + Bluetooth +NFC
	5. LTE + 2.4GHz WLAN+NFC
	6. LTE + 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	7	5.012	5	2.48	0.210
	Body			5	2.48	0.210
NFC	Head	-37	0.0002	5	0.01356	0.0000006
	Body			5	0.01356	0.0000006



Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
GSM + 2.4G WLAN + NFC	Head	GSM	0.951	1.345
		NFC	0.0000006	
		2.4G WLAN	0.394	
	Body	GSM	0.408	0.561
		NFC	0.0000006	
		2.4G WLAN	0.153	
GSM + Bluetooth+ NFC	Head	GSM	0.951	1.161
		NFC	0.0000006	
		BT	0.210	
	Body	GSM	0.408	0.618
		NFC	0.0000006	
		BT	0.210	
WCDMA + 2.4G WLAN + NFC	Head	WCDMA	1.022	1.416
		NFC	0.0000006	
		2.4G WLAN	0.394	
	Body	WCDMA	0.404	0.557
		NFC	0.0000006	
		2.4G WLAN	0.153	
WCDMA + Bluetooth+ NFC	Head	WCDMA	1.022	1.232
		NFC	0.0000006	
		BT	0.210	
	Body	WCDMA	0.404	0.614
		NFC	0.0000006	
		BT	0.210	
LTE + 2.4G WLAN + NFC	Head	LTE	1.050	1.444
		NFC	0.0000006	
		2.4G WLAN	0.394	
	Body	LTE	0.577	0.730
		NFC	0.0000006	
		2.4G WLAN	0.153	
LTE + Bluetooth+ NFC	Head	LTE	1.050	1.260
		NFC	0.0000006	
		BT	0.210	
	Body	LTE	0.577	0.787
		NFC	0.0000006	
		BT	0.210	

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	2025.05.20	2028.05.19
835MHz Dipole	MVG	DIP0G835	SN 06/22 DIP0G835-639	2025.05.20	2028.05.19
1800MHz Dipole	MVG	DIP1G800	SN 06/22 DIP1G800-640	2025.05.20	2028.05.19
1900MHz Dipole	MVG	DIP1G900	SN 06/22 DIP1G900-641	2025.05.20	2028.05.19
2300MHz Dipole	MVG	DIP2G300	SN 06/22 DIP2G100-644	2025.05.20	2028.05.19
2450MHz Dipole	MVG	DIP2G450	SN 06/22 DIP2G450-645	2025.05.20	2028.05.19
2600MHz Dipole	MVG	DIP2G600	SN 06/22 DIP2G600-646	2025.05.20	2028.05.19
E-Field Probe	MVG	SSE2	2225-EPGO-450	2025.06.06	2026.06.05
Liquid Calibration Kit	MVG	OCPG 87	SN 06/22 OCPG87	2025.06.02	2026.06.01
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	2025.03.05	2026.03.04
Multi Meter	DMM6500	Keithley	4527252	2025.03.06	2026.03.05
Signal Generator	Keysight	N5182B	MY59100717	2025.03.05	2026.03.04
Wireless Communication Test Set	R&S	CMW500	137737	2025.03.05	2026.03.04
Power Sensor	R&S	Z11	116184	2025.03.05	2026.03.04
Electronic Temperature hygrometer	N/A	ST-W2318	N/A	2025.03.05	2026.03.04
Temperature hygrometer	N/A	TP101	N/A	2025.03.05	2026.03.04



Appendix A. System Validation Plots

System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

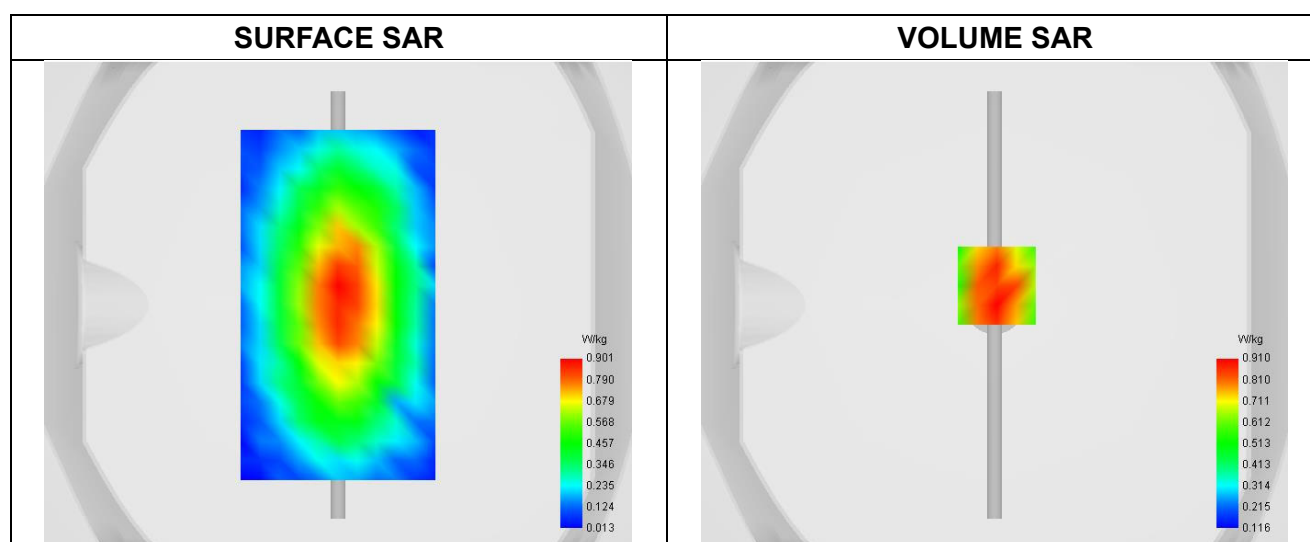
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-10-20

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.68
Conductivity (S/m)	0.88
Probe	2225-EPGO-450
ConvF	1.08
Crest factor:	1:1

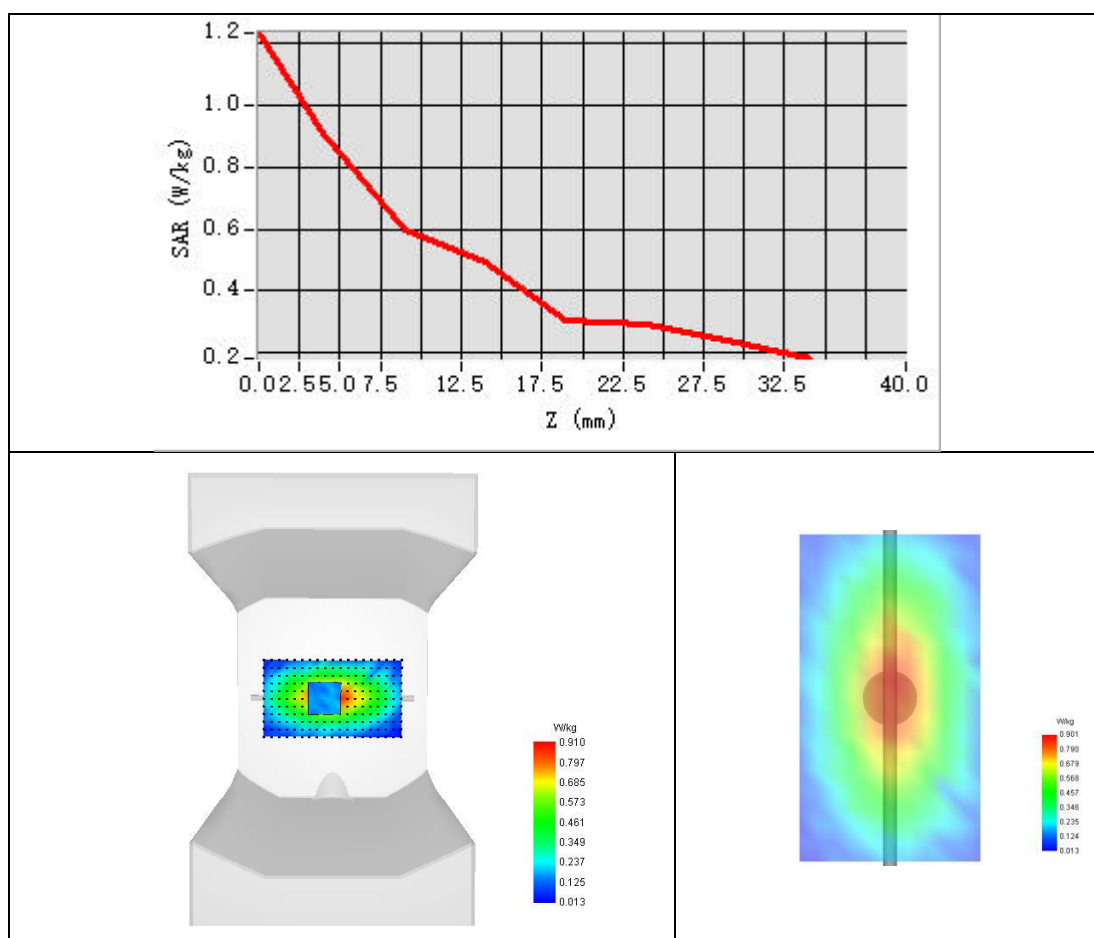


Maximum location: X=3.00, Y=3.00 ; SAR Peak: 1.17 W/kg

SAR 10g (W/Kg)	0.571
SAR 1g (W/Kg)	0.866



Z Axis Scan





System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

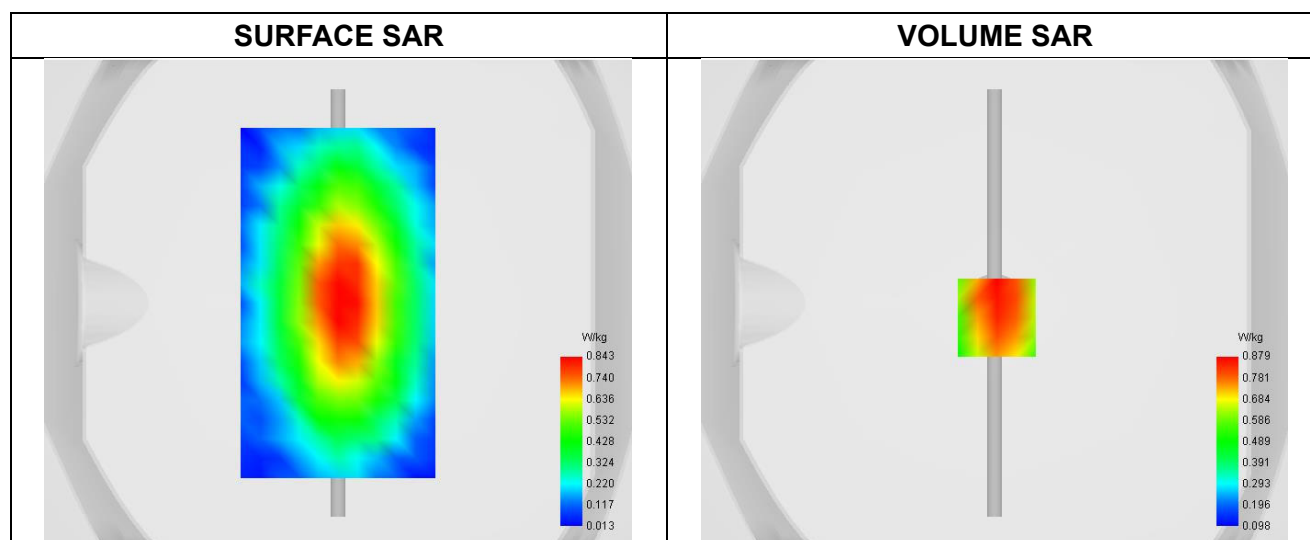
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-10-23

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.39
Conductivity (S/m)	0.92
Probe	2225-EPGO-450
ConvF	1.08
Crest factor:	1:1

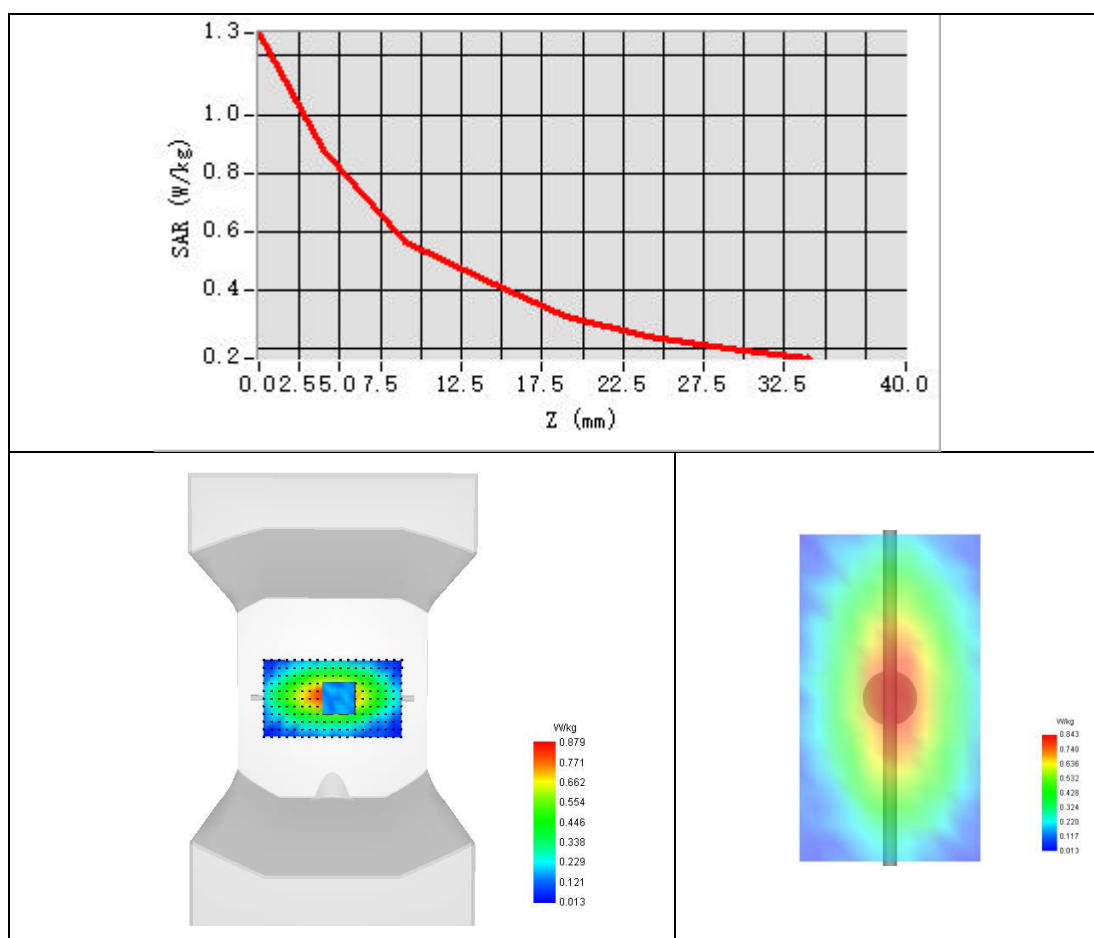


Maximum location: X=1.00, Y=-6.00 ; SAR Peak: 1.20 W/kg

SAR 10g (W/Kg)	0.553
SAR 1g (W/Kg)	0.880



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

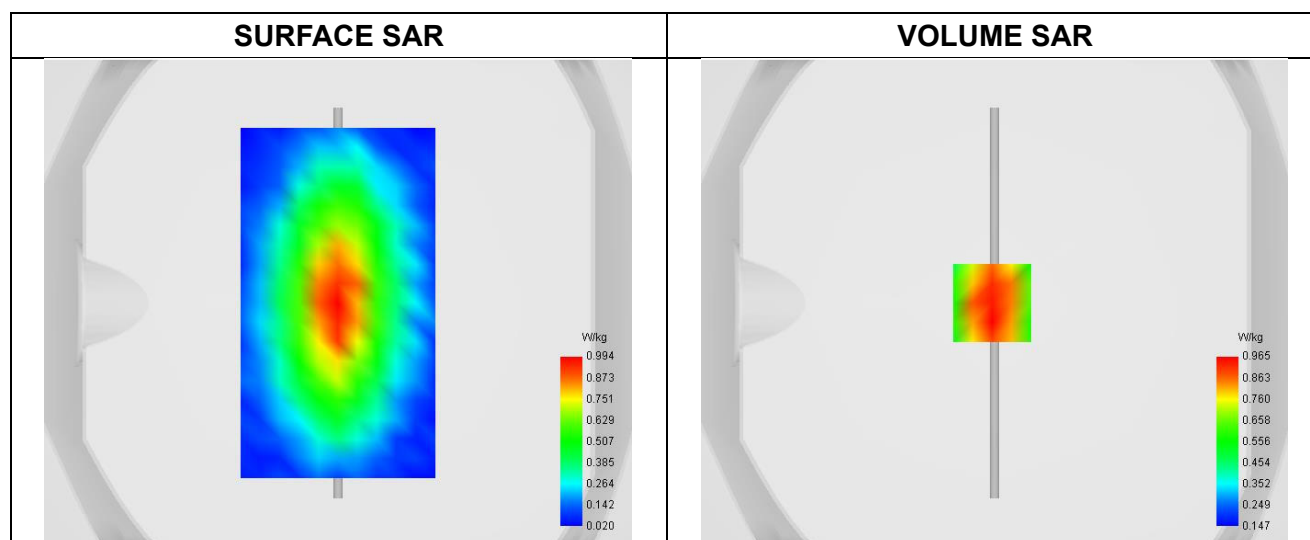
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-10-16

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	42.34
Conductivity (S/m)	0.88
Probe	2225-EPGO-450
ConvF	1.02
Crest factor:	1:1

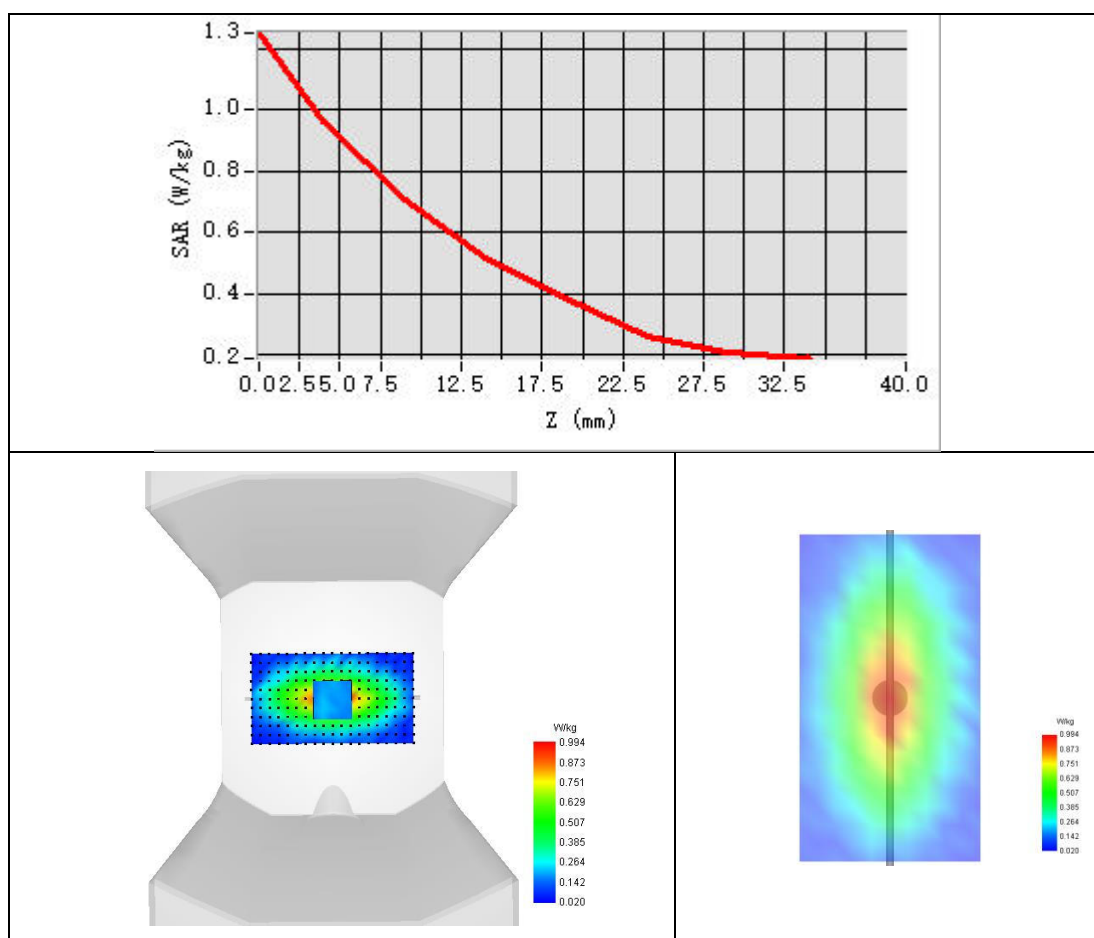


Maximum location: X=-1.00, Y=0.00 ; SAR Peak: 1.29 W/kg

SAR 10g (W/Kg)	0.612
SAR 1g (W/Kg)	0.989



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

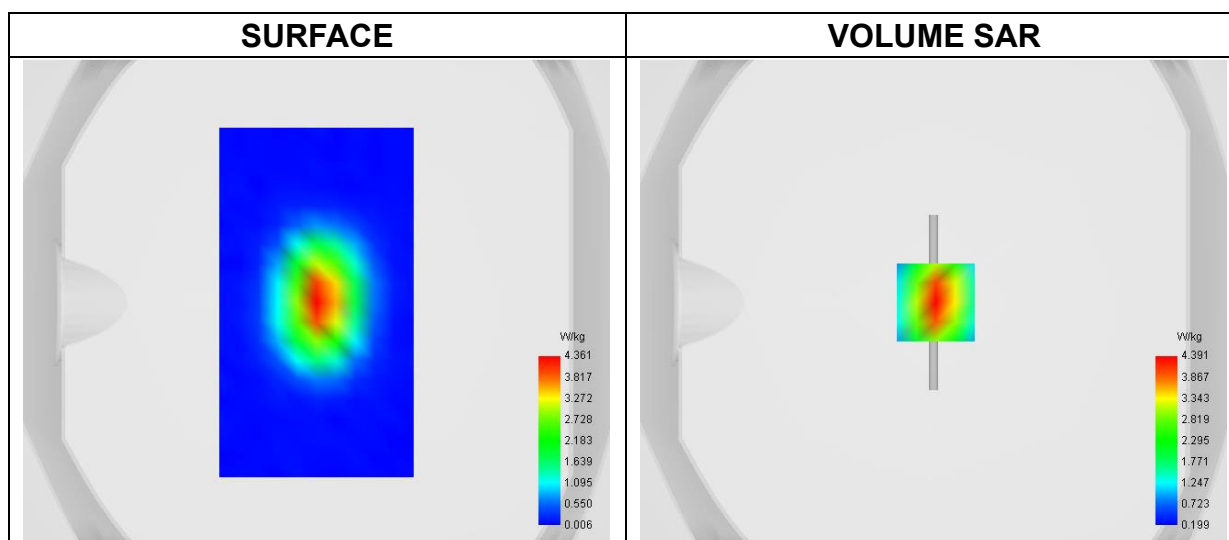
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-10-24

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.73
Conductivity (S/m)	1.39
Probe	2225-EPGO-450
ConvF	1.21
Crest factor:	1:1

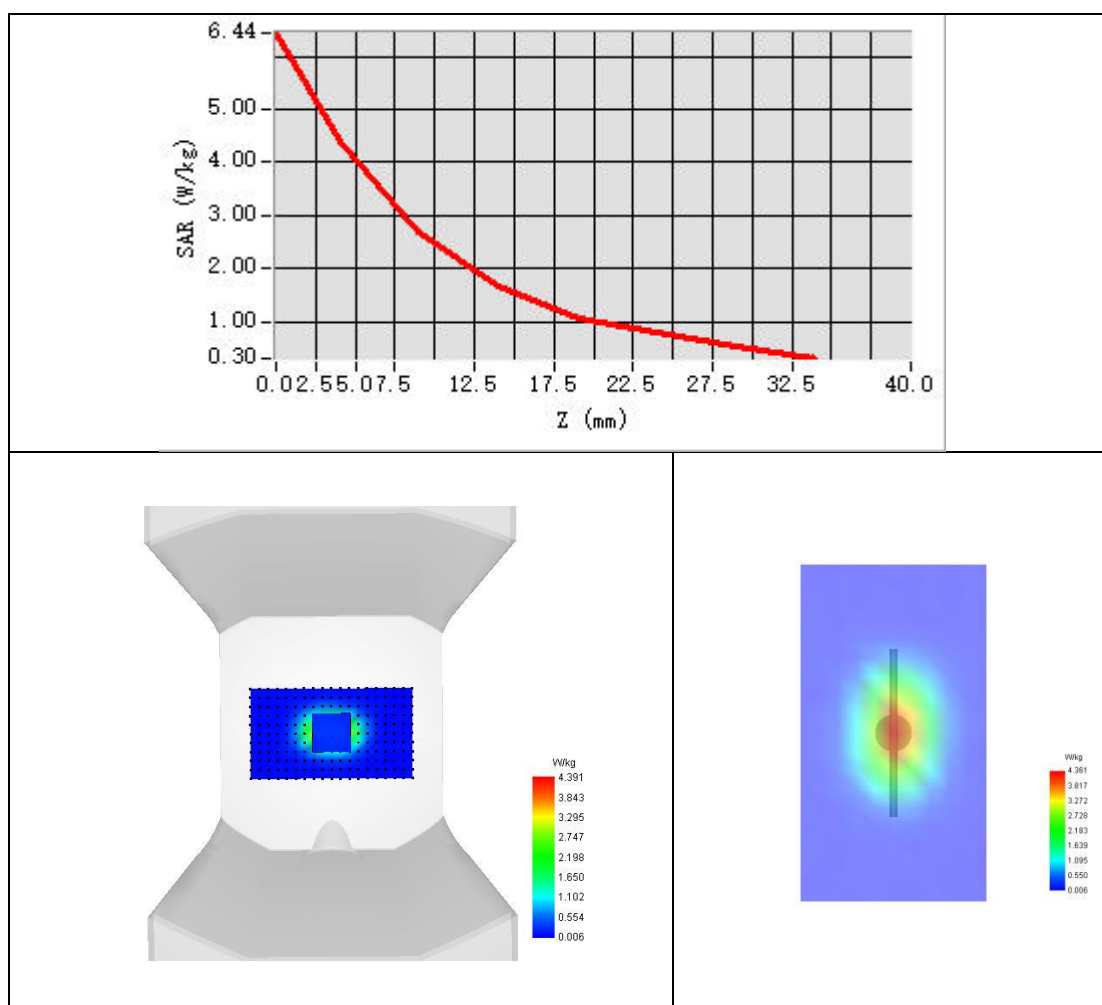


Maximum location: X=1.00, Y=3.00 ; SAR Peak: 6.49 W/kg

SAR 10g (W/Kg)	1.935
SAR 1g (W/Kg)	3.659



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

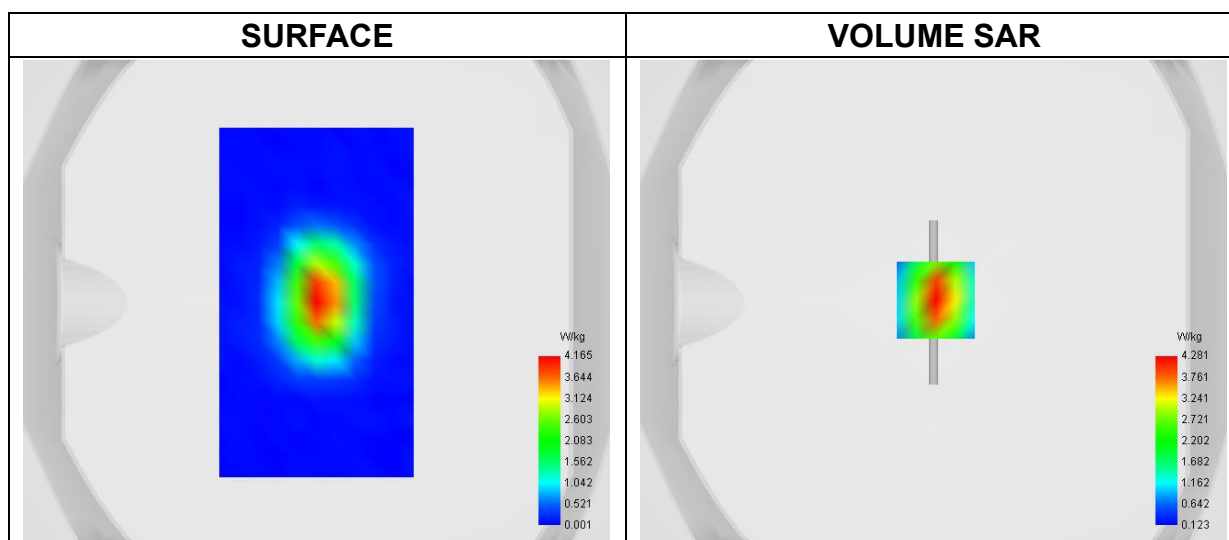
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-10-25

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	41.09
Conductivity (S/m)	1.44
Probe	2225-EPGO-450
ConvF	1.34
Crest factor:	1:1

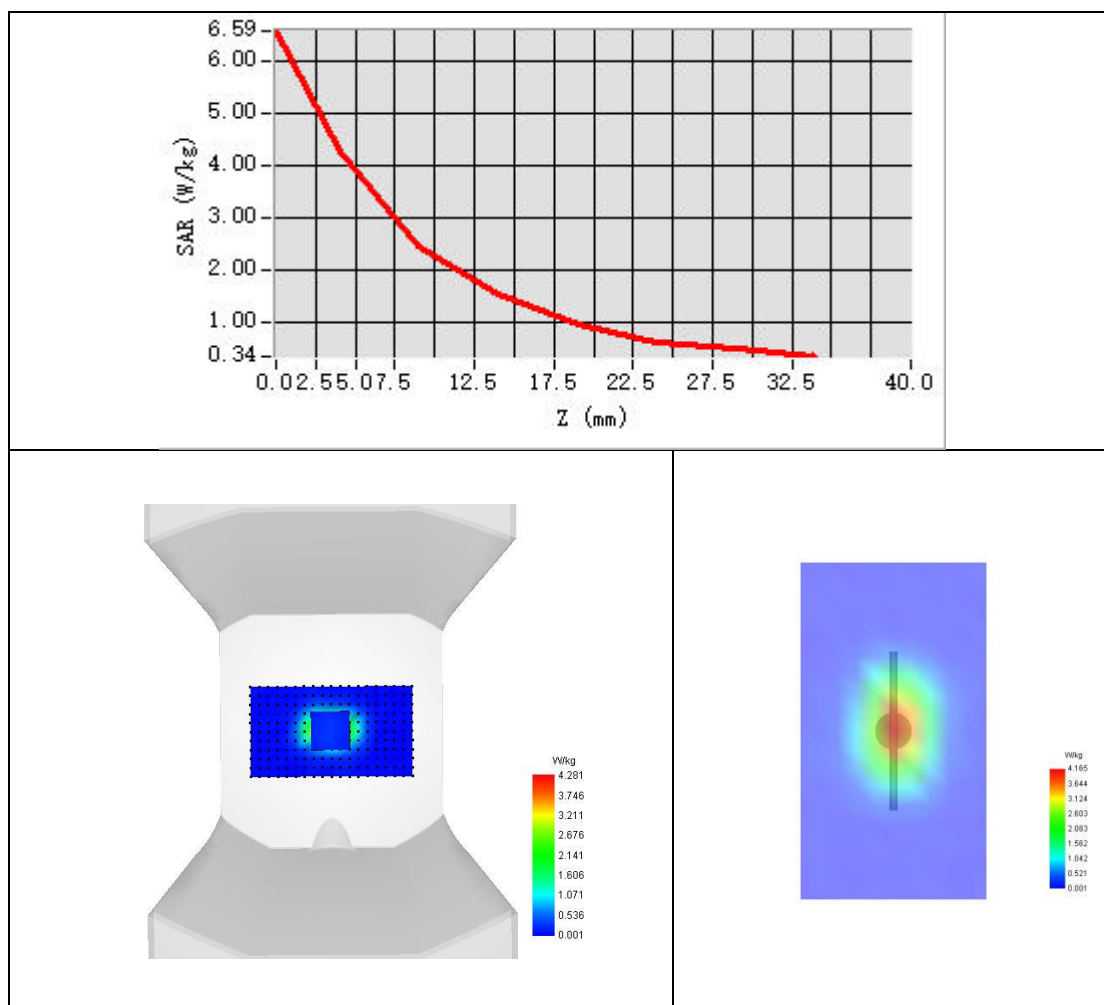


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 6.79 W/kg

SAR 10g (W/Kg)	2.086
SAR 1g (W/Kg)	4.039



Z Axis Scan





System Performance Check Data (2300MHz)

Type: Phone measurement (Complete)

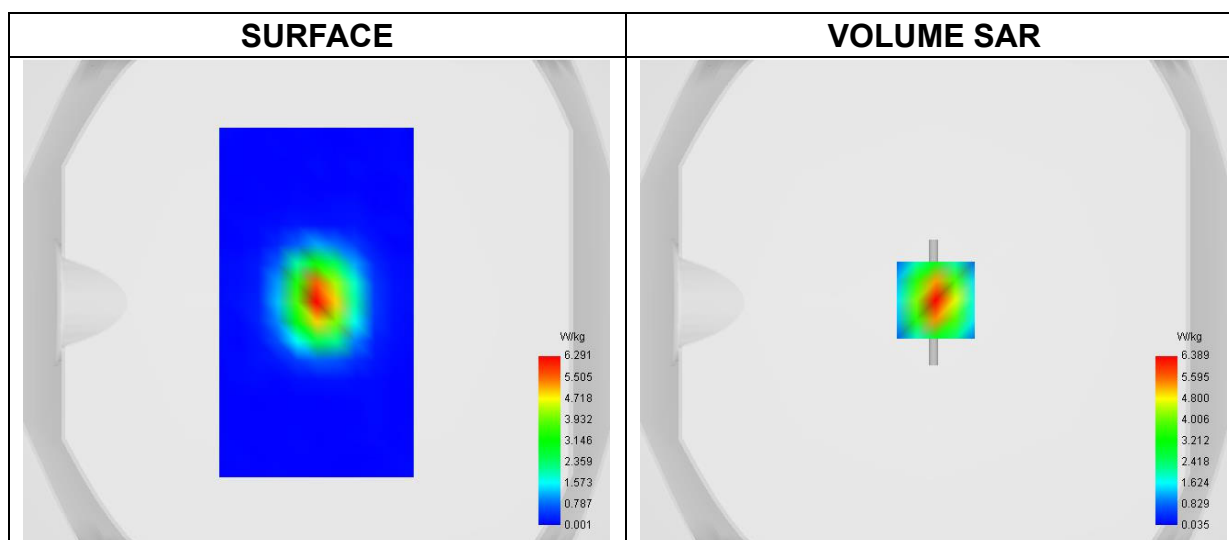
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-10-26

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2300
Channels	Middle
Signal	CW
Frequency (MHz)	2300.000
Relative permittivity	40.02
Conductivity (S/m)	1.68
Probe	2225-EPGO-450
ConvF	1.47
Crest factor:	1:1

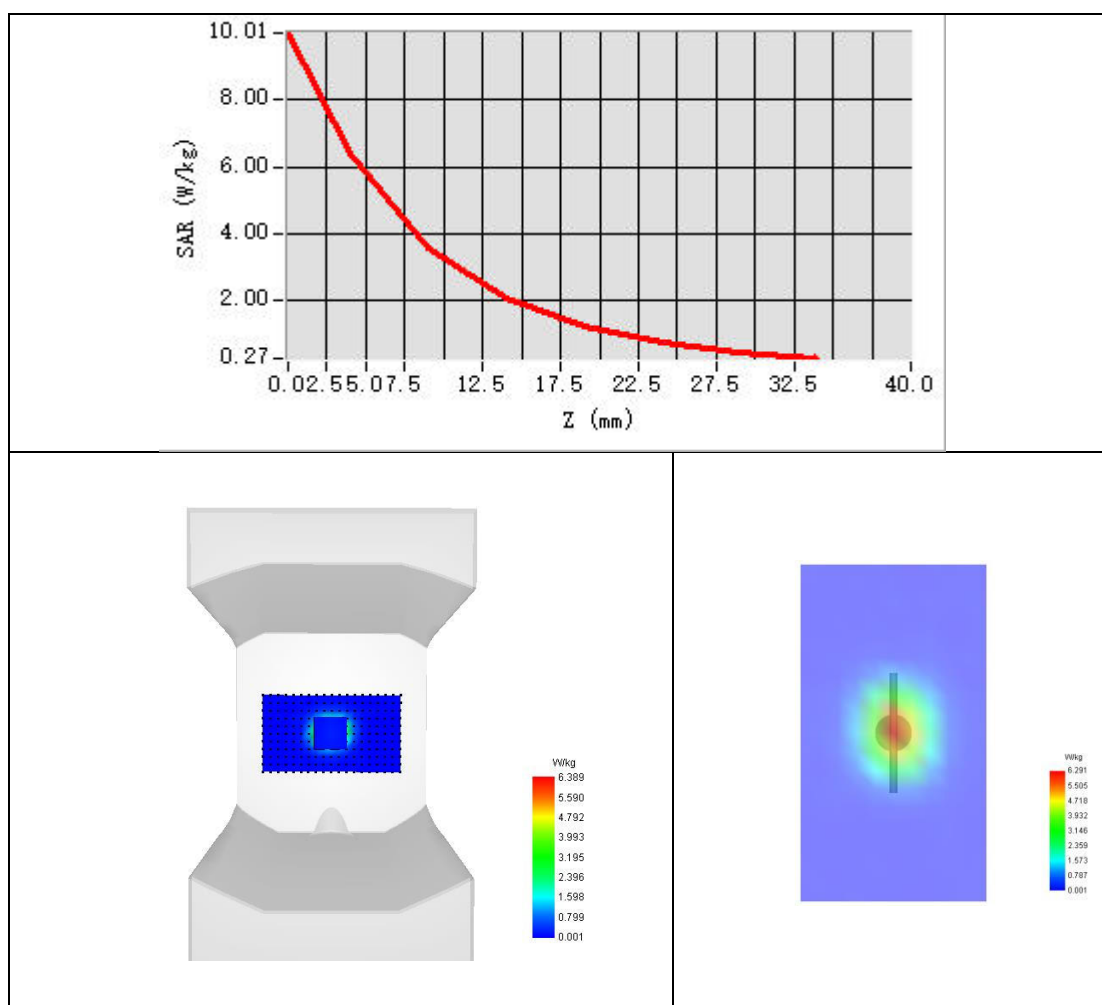


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 9.94 W/kg

SAR 10g (W/Kg)	2.380
SAR 1g (W/Kg)	4.935



Z Axis Scan





System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

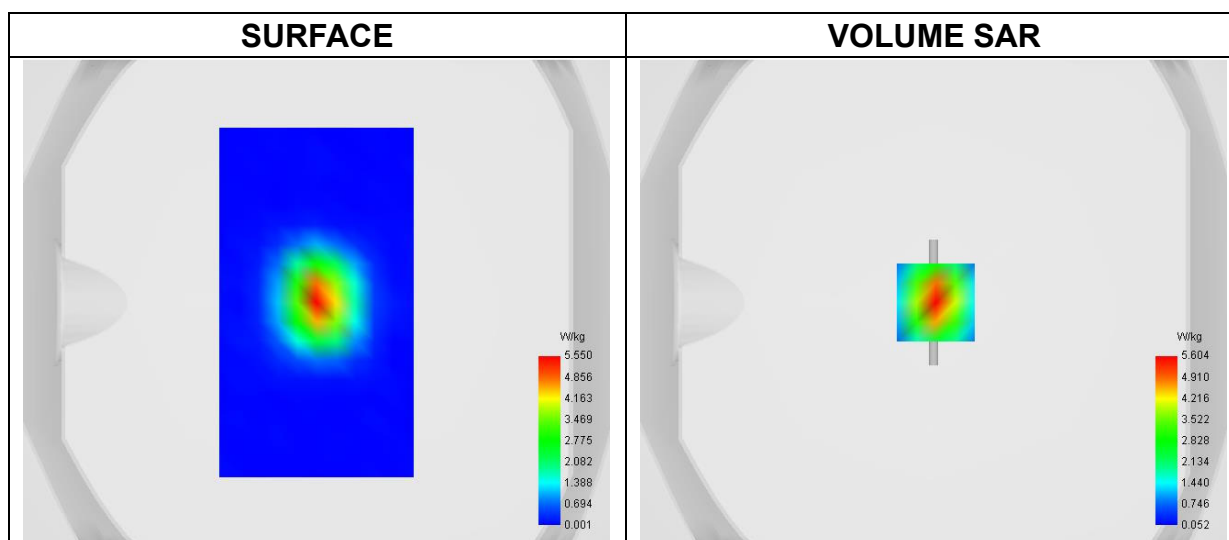
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-10-16

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	39.90
Conductivity (S/m)	1.73
Probe	2225-EPGO-450
ConvF	1.51
Crest factor:	1:1

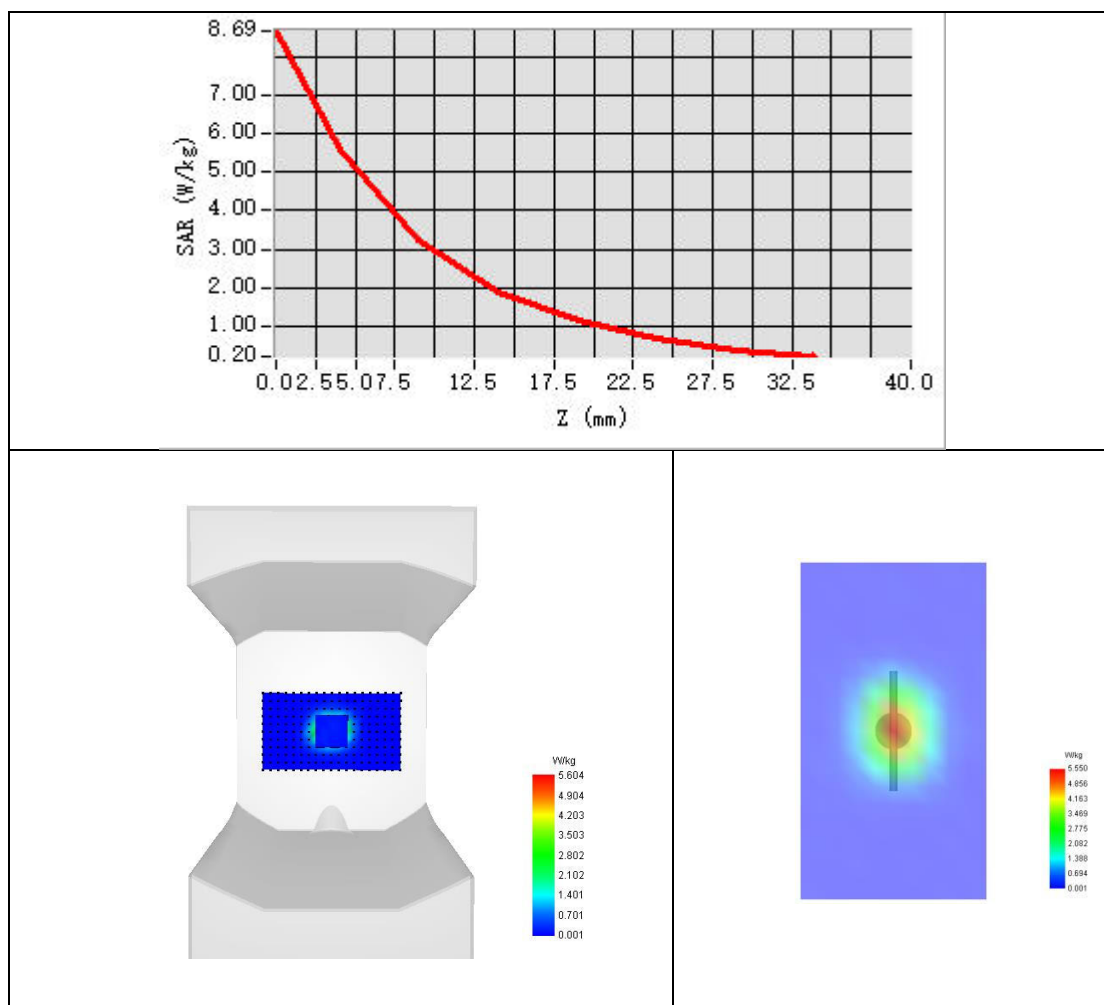


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 8.61 W/kg

SAR 10g (W/Kg)	2.459
SAR 1g (W/Kg)	5.296



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

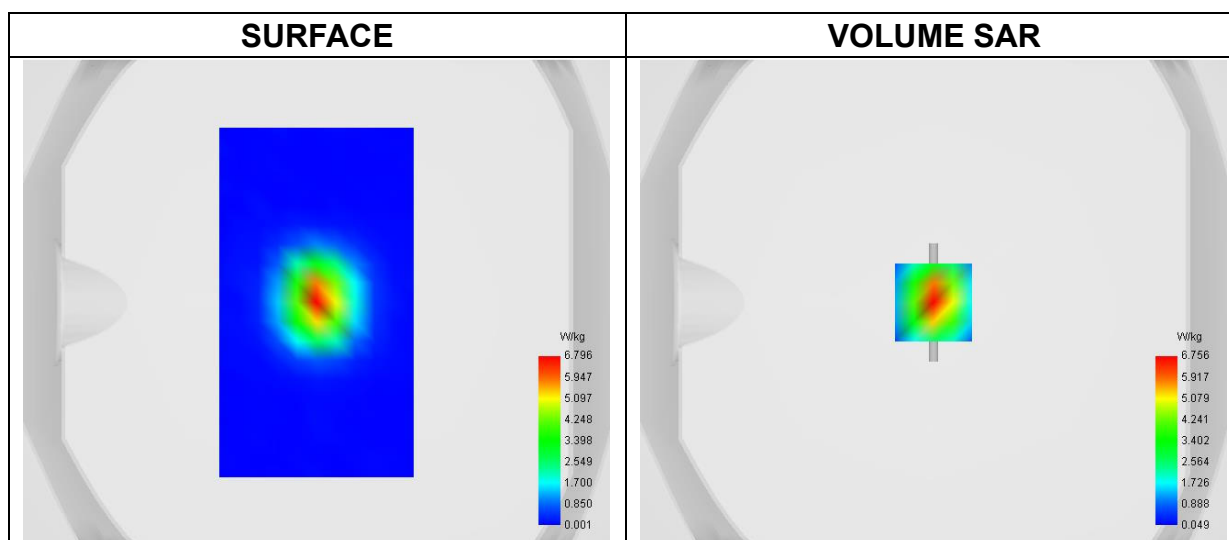
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-10-15

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.87
Conductivity (S/m)	1.94
Probe	2225-EPGO-450
ConvF	1.44
Crest factor:	1:1

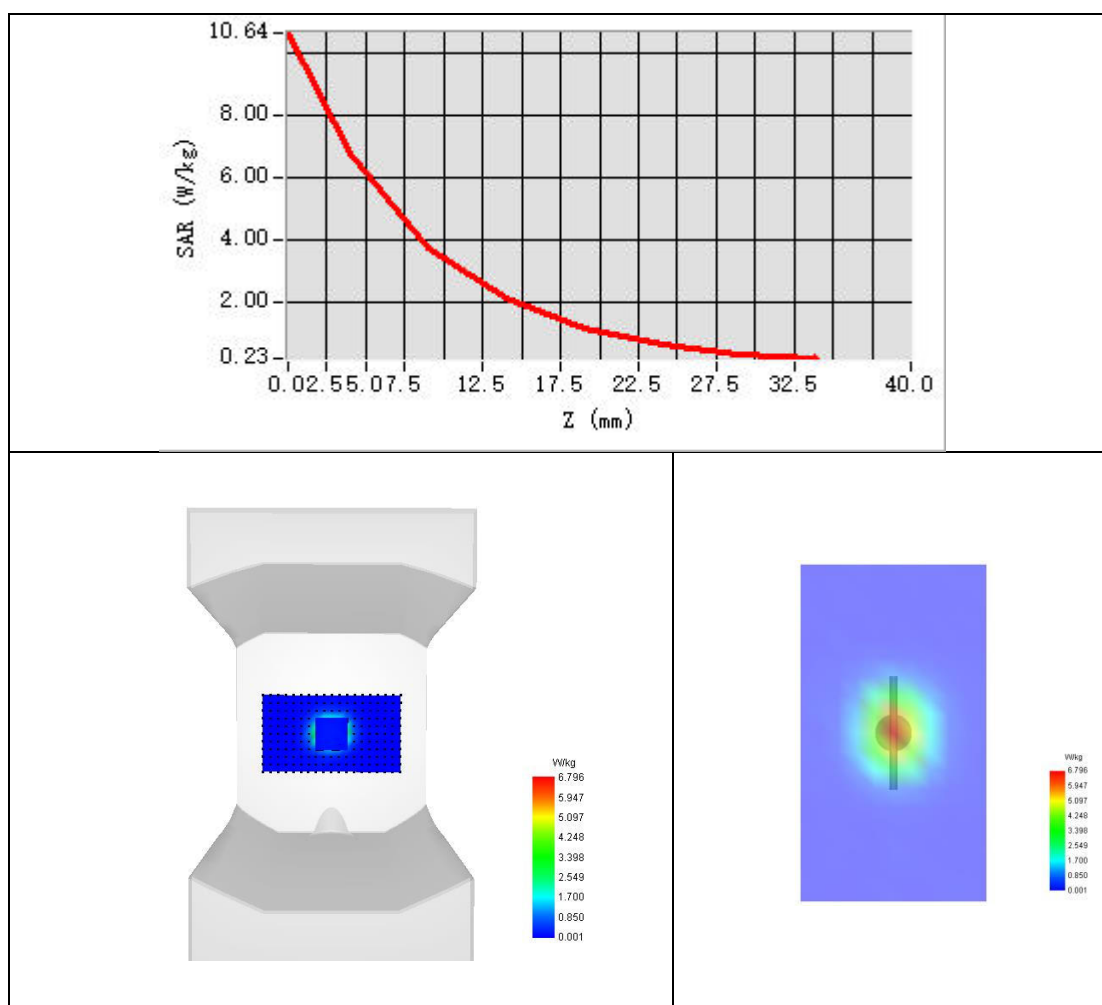


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 10.62 W/kg

SAR 10g (W/Kg)	2.521
SAR 1g (W/Kg)	5.653



Z Axis Scan



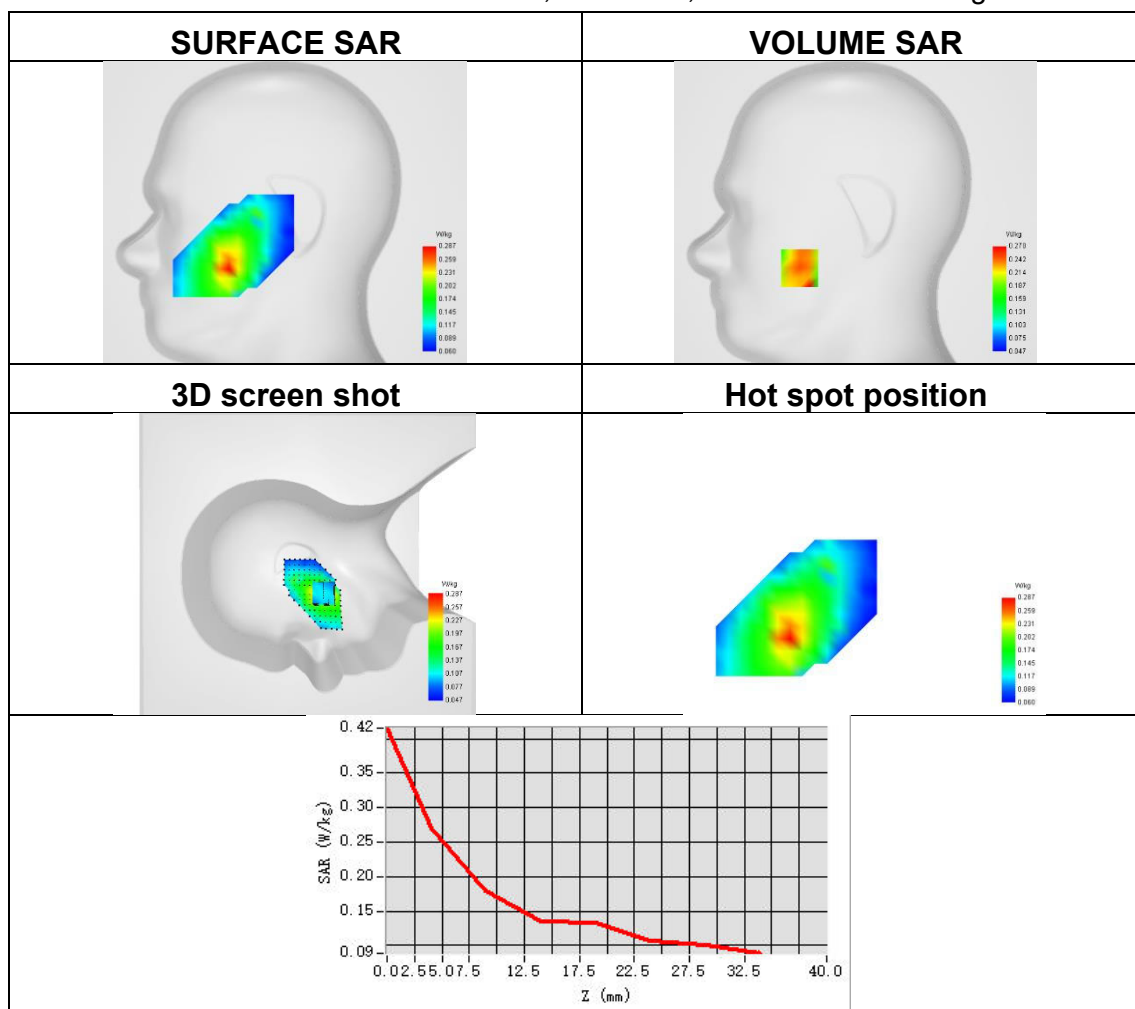


Appendix B. SAR Test Plots

Plot 1:

Test Date	2025-10-16
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	GPRS850
Signal	TDMA (GSM)
Frequency	824.2
SAR 10g (W/Kg)	0.164
SAR 1g (W/Kg)	0.245
ConvF	1.02
Relative permittivity	42.34
Conductivity (S/m)	0.88

Maximum location: X=-48.00, Y=-47.00 ; SAR Peak: 0.50 W/kg

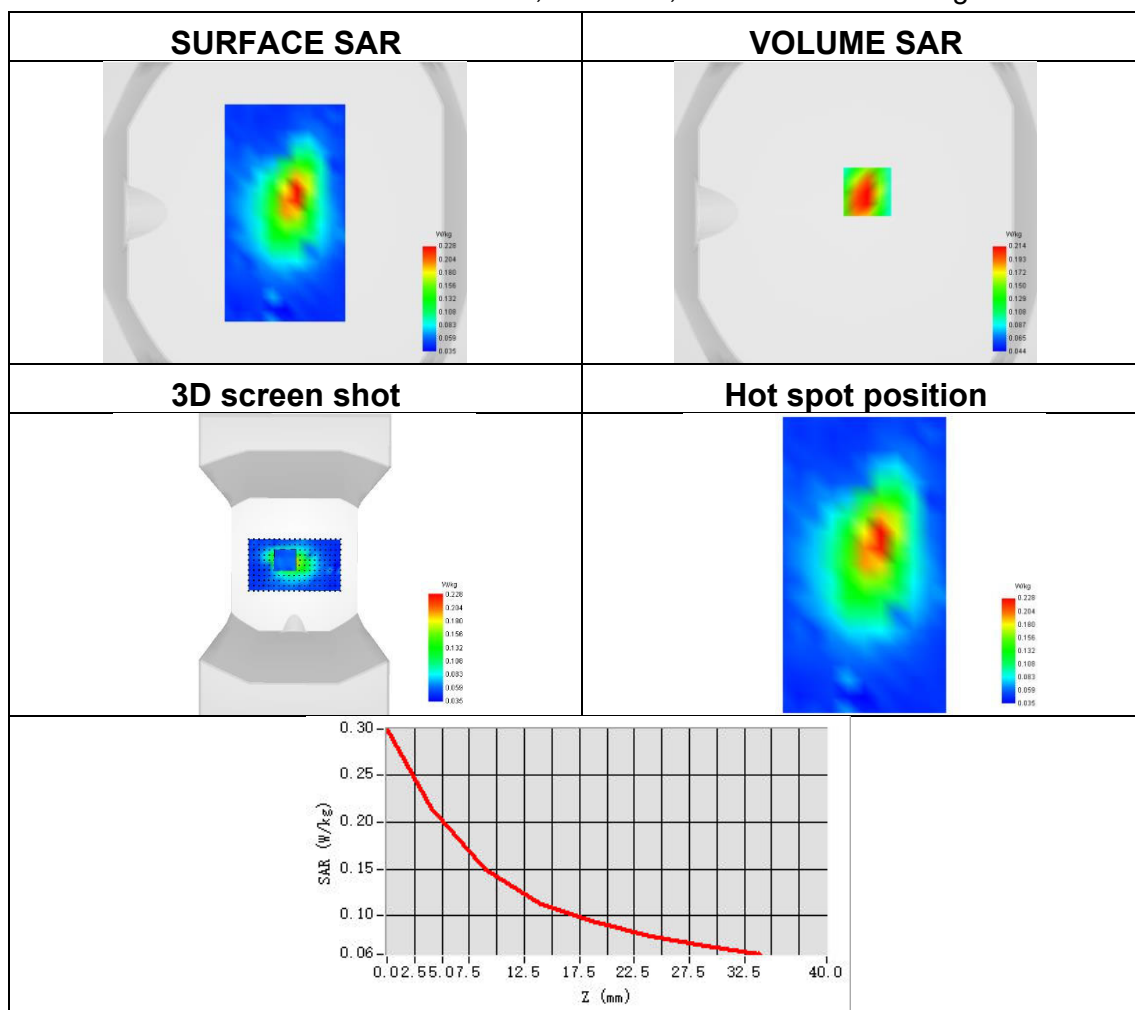




Plot 2:

Test Date	2025-10-16
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	GPRS850
Signal	TDMA (GPRS)
Frequency	824.2
SAR 10g (W/Kg)	0.139
SAR 1g (W/Kg)	0.209
ConvF	1.02
Relative permittivity	42.34
Conductivity (S/m)	0.88

Maximum location: X=8.00, Y=14.00 ; SAR Peak: 0.31 W/kg

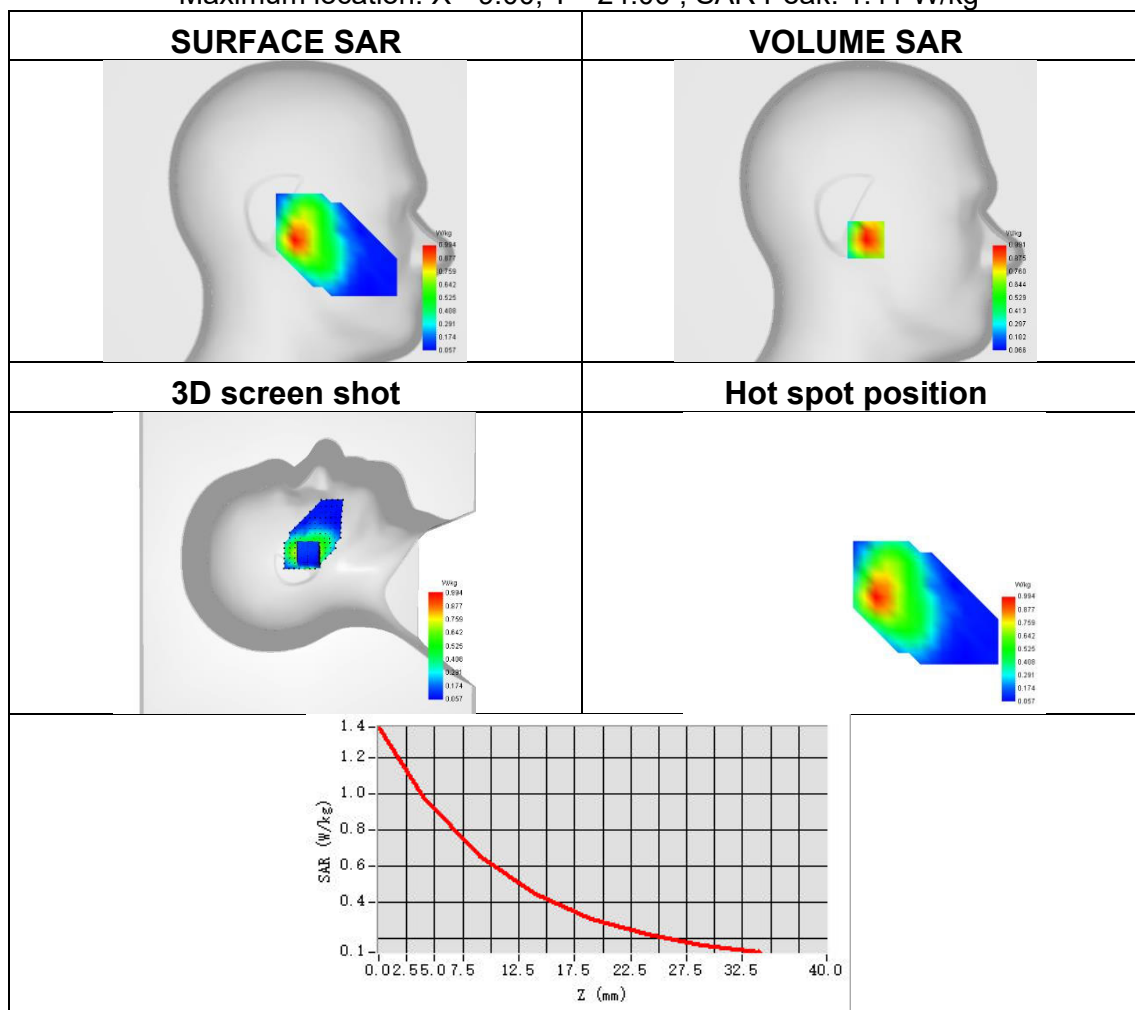




Plot 3:

Test Date	2025-10-25
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	GPRS1900
Signal	TDMA (GSM)
Frequency	1850.2
SAR 10g (W/Kg)	0.587
SAR 1g (W/Kg)	0.938
ConvF	1.34
Relative permittivity	41.09
Conductivity (S/m)	1.44

Maximum location: X=-9.00, Y=-24.00 ; SAR Peak: 1.41 W/kg

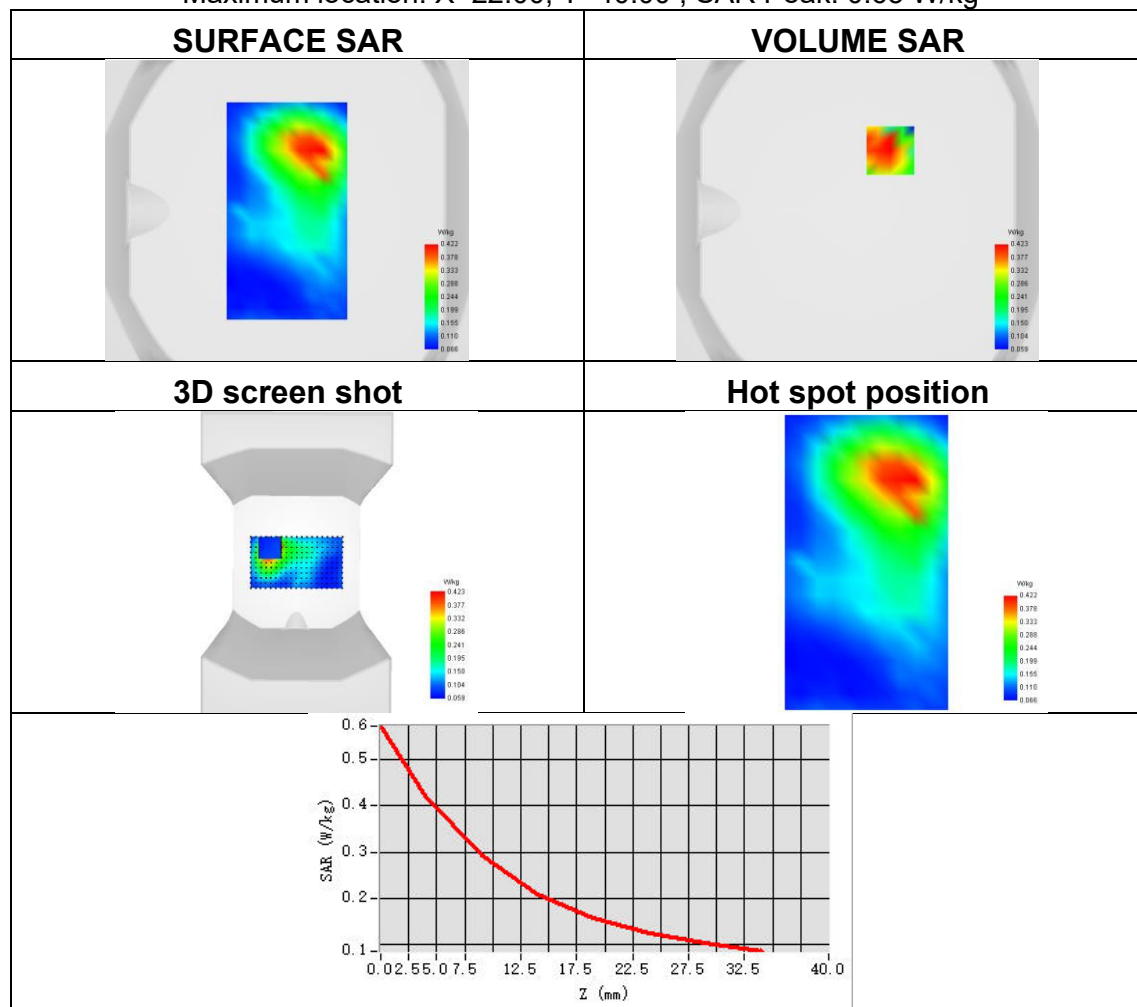




Plot 4:

Test Date	2025-10-25
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	GPRS1900
Signal	TDMA (GPRS)
Frequency	1850.2
SAR 10g (W/Kg)	0.245
SAR 1g (W/Kg)	0.401
ConvF	1.34
Relative permittivity	41.09
Conductivity (S/m)	1.44

Maximum location: X=22.00, Y=40.00 ; SAR Peak: 0.65 W/kg

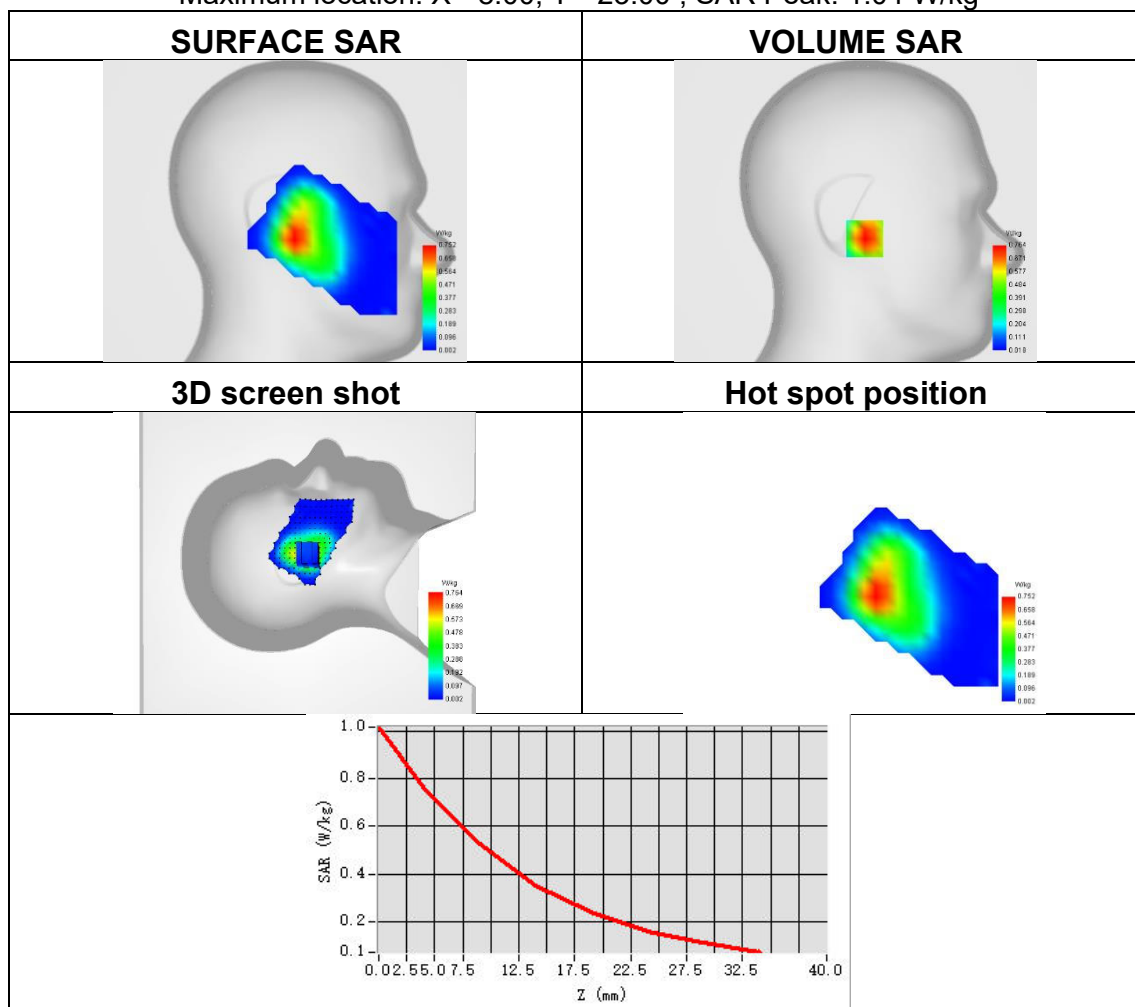




Plot 5:

Test Date	2025-10-25
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	Band 2 (1900)
Signal	WCDMA
Frequency	1852.4
SAR 10g (W/Kg)	0.458
SAR 1g (W/Kg)	0.726
ConvF	1.34
Relative permittivity	41.09
Conductivity (S/m)	1.44

Maximum location: X=-8.00, Y=-23.00 ; SAR Peak: 1.04 W/kg

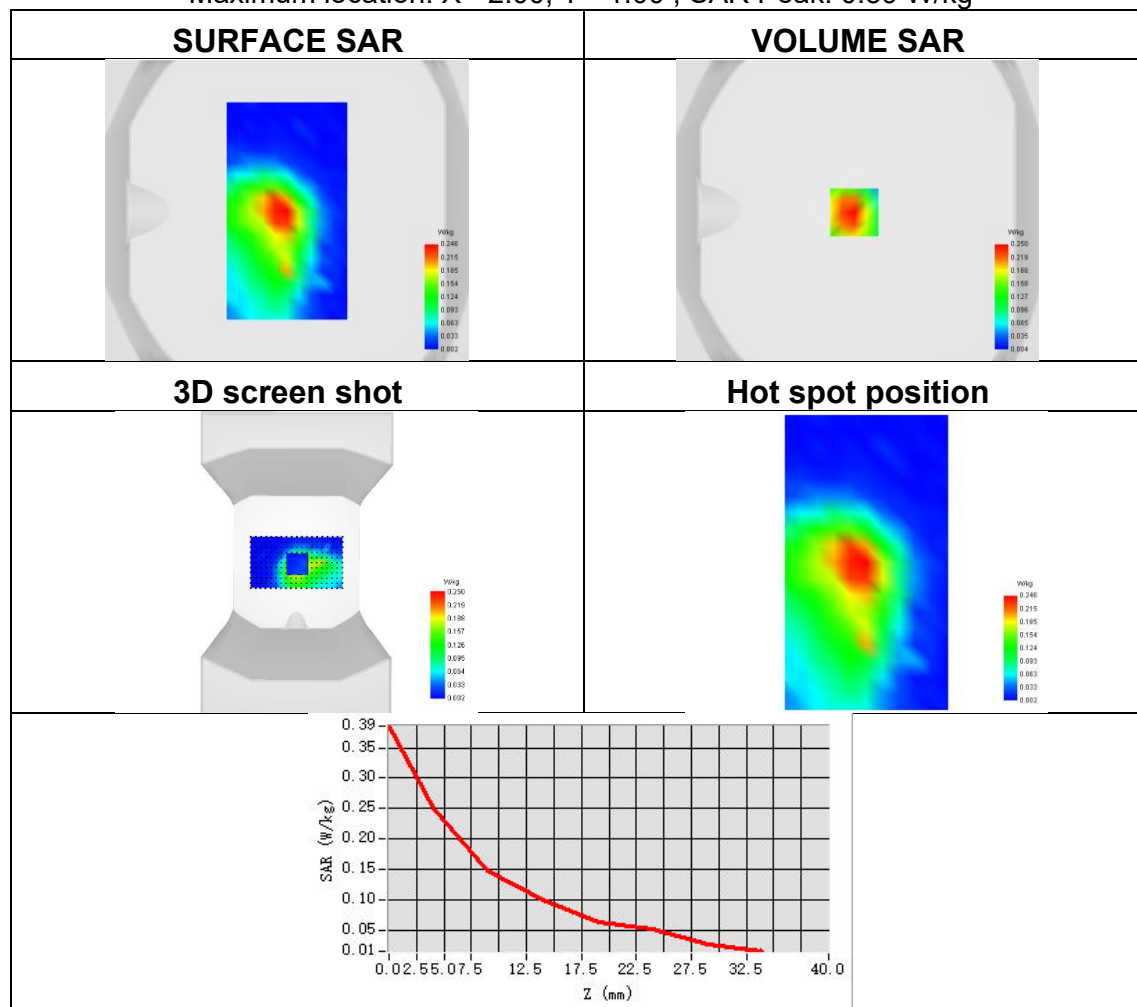




Plot 6:

Test Date	2025-10-25
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	Band 2 (1900)
Signal	WCDMA
Frequency	1852.4
SAR 10g (W/Kg)	0.140
SAR 1g (W/Kg)	0.241
ConvF	1.34
Relative permittivity	41.09
Conductivity (S/m)	1.44

Maximum location: X=-2.00, Y=-1.00 ; SAR Peak: 0.39 W/kg

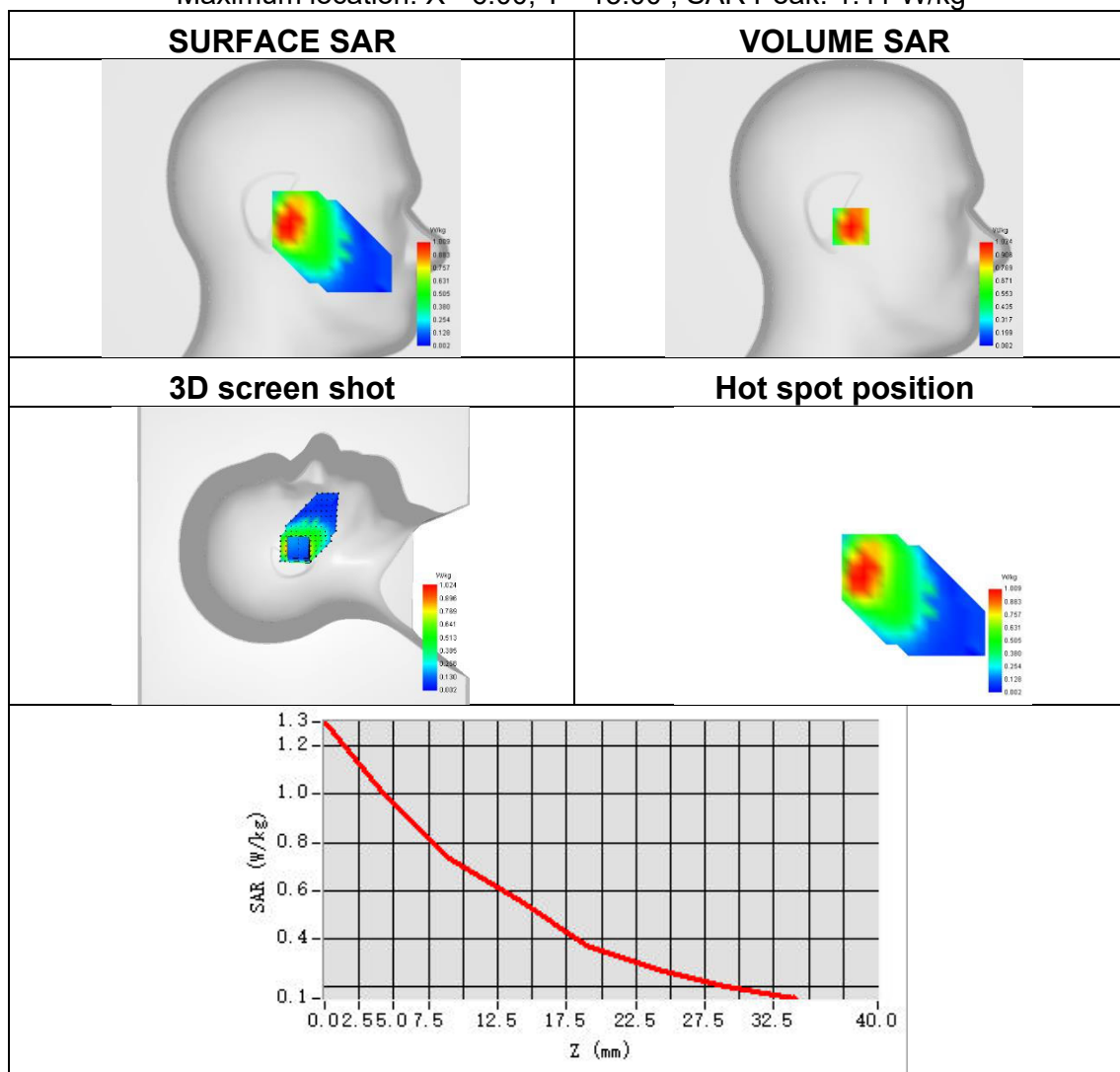




Plot 7:

Test Date	2025-10-24
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	Band 4 (1700)
Signal	WCDMA
Frequency	1752.4
SAR 10g (W/Kg)	0.645
SAR 1g (W/Kg)	0.990
ConvF	1.21
Relative permittivity	40.73
Conductivity (S/m)	1.39

Maximum location: X=-6.00, Y=-15.00 ; SAR Peak: 1.41 W/kg

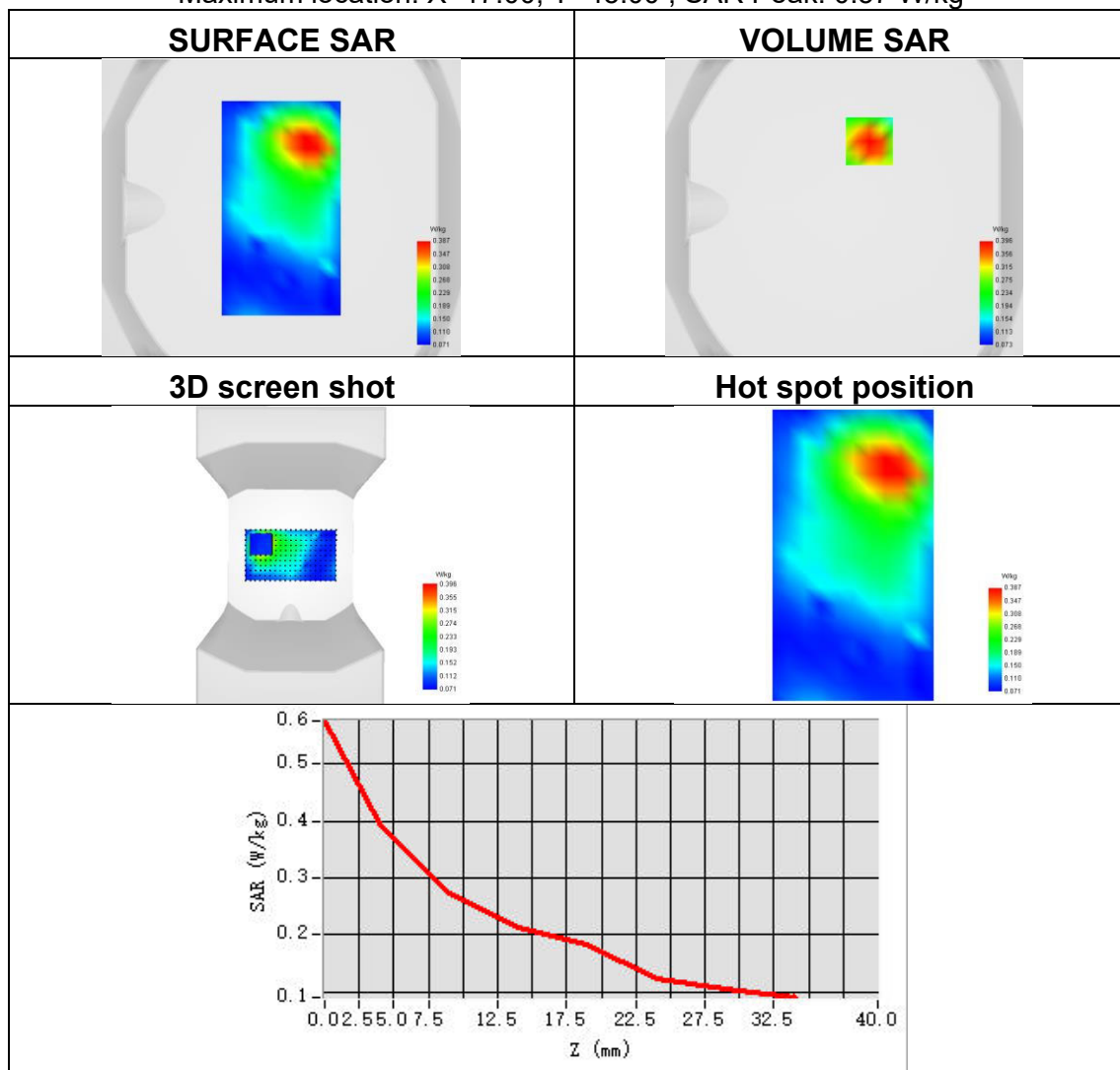




Plot 8:

Test Date	2025-10-24
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	Band 4 (1700)
Signal	WCDMA
Frequency	1752.4
SAR 10g (W/Kg)	0.258
SAR 1g (W/Kg)	0.391
ConvF	1.21
Relative permittivity	40.73
Conductivity (S/m)	1.39

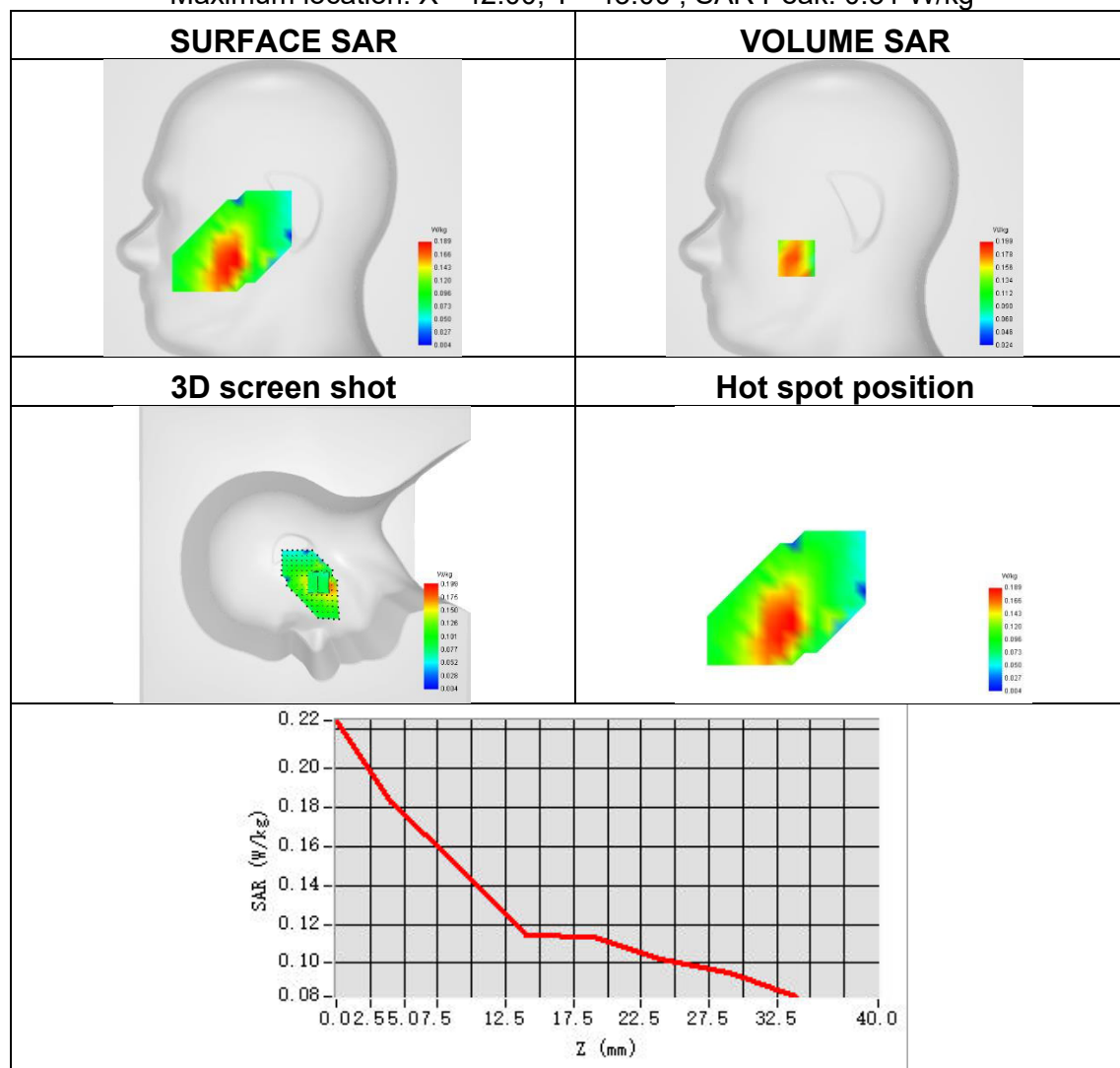
Maximum location: X=17.00, Y=45.00 ; SAR Peak: 0.57 W/kg



Plot 9:

Test Date	2025-10-16
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)	0.127
SAR 1g (W/Kg)	0.186
ConvF	1.02
Relative permittivity	42.34
Conductivity (S/m)	0.88

Maximum location: X=-42.00, Y=-43.00 ; SAR Peak: 0.31 W/kg

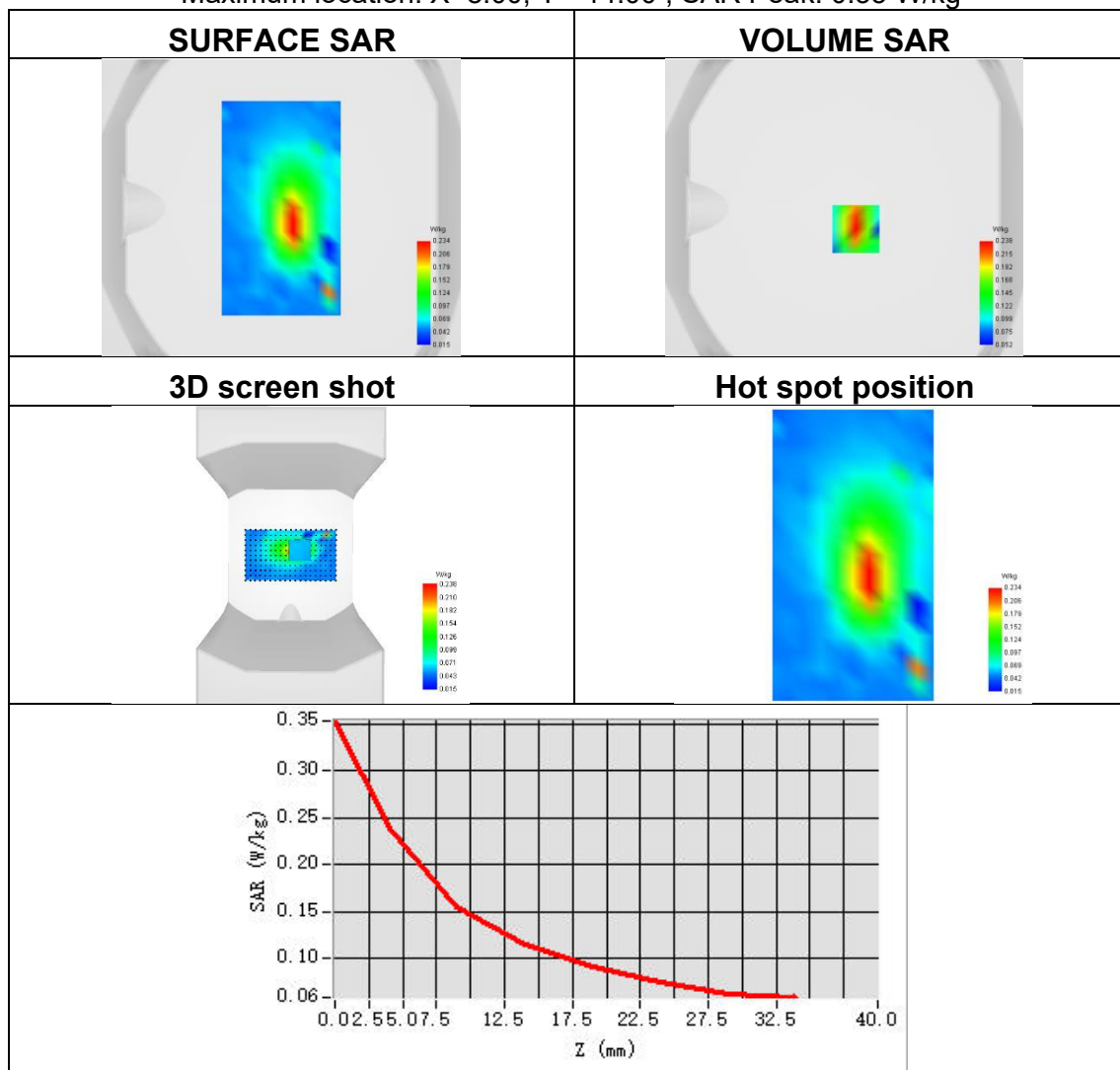




Plot 10:

Test Date	2025-10-16
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	Band 5 (850)
Signal	WCDMA
Frequency	846.6
SAR 10g (W/Kg)	0.140
SAR 1g (W/Kg)	0.226
ConvF	1.02
Relative permittivity	42.34
Conductivity (S/m)	0.88

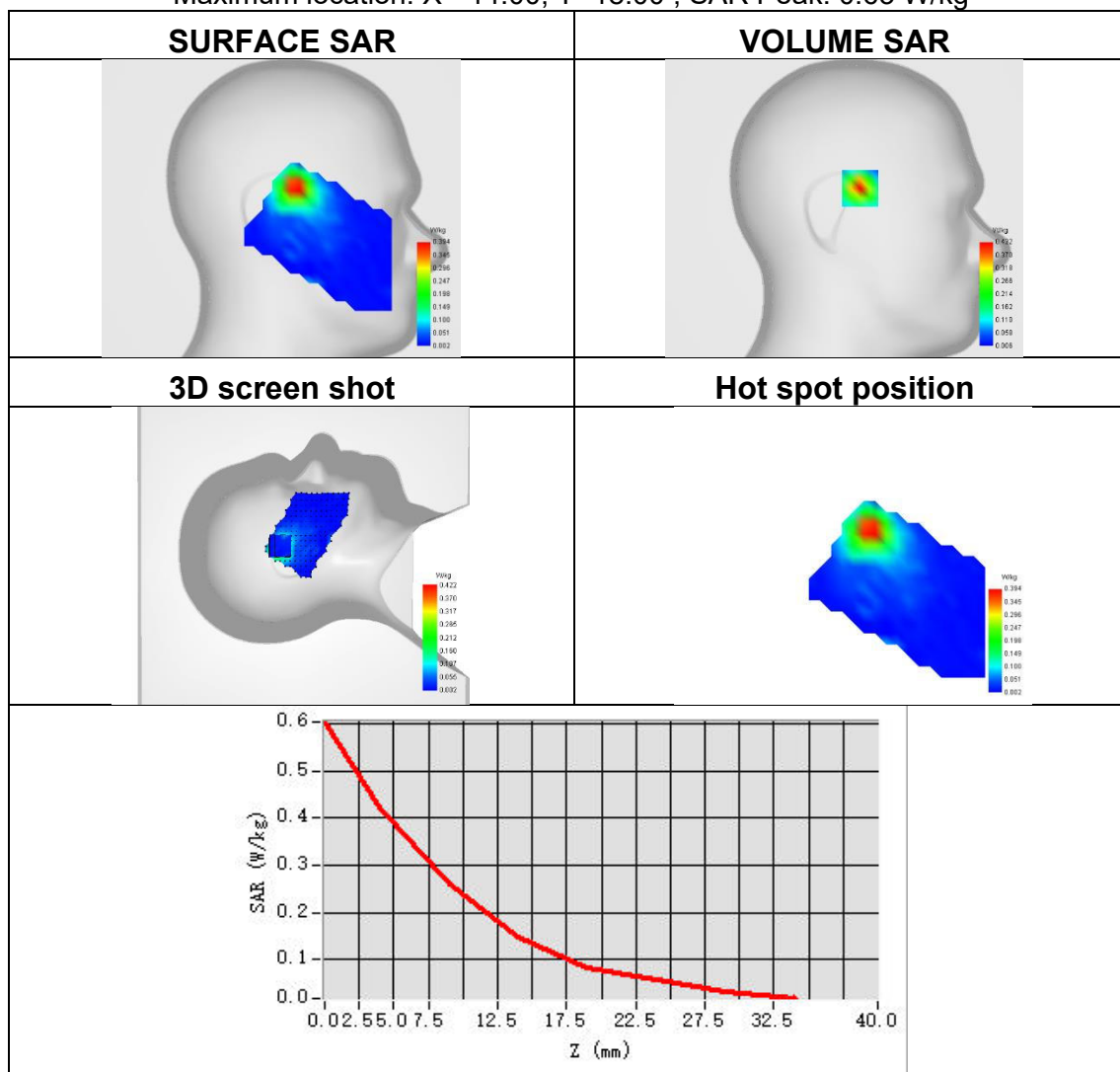
Maximum location: X=8.00, Y=-14.00 ; SAR Peak: 0.35 W/kg



Plot 11:

Test Date	2025-10-16
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Tilt
Band	ISM
Signal	IEEE 802.11b
Frequency	2412
SAR 10g (W/Kg)	0.193
SAR 1g (W/Kg)	0.379
ConvF	1.51
Relative permittivity	39.90
Conductivity (S/m)	1.73

Maximum location: X=-14.00, Y=18.00 ; SAR Peak: 0.63 W/kg

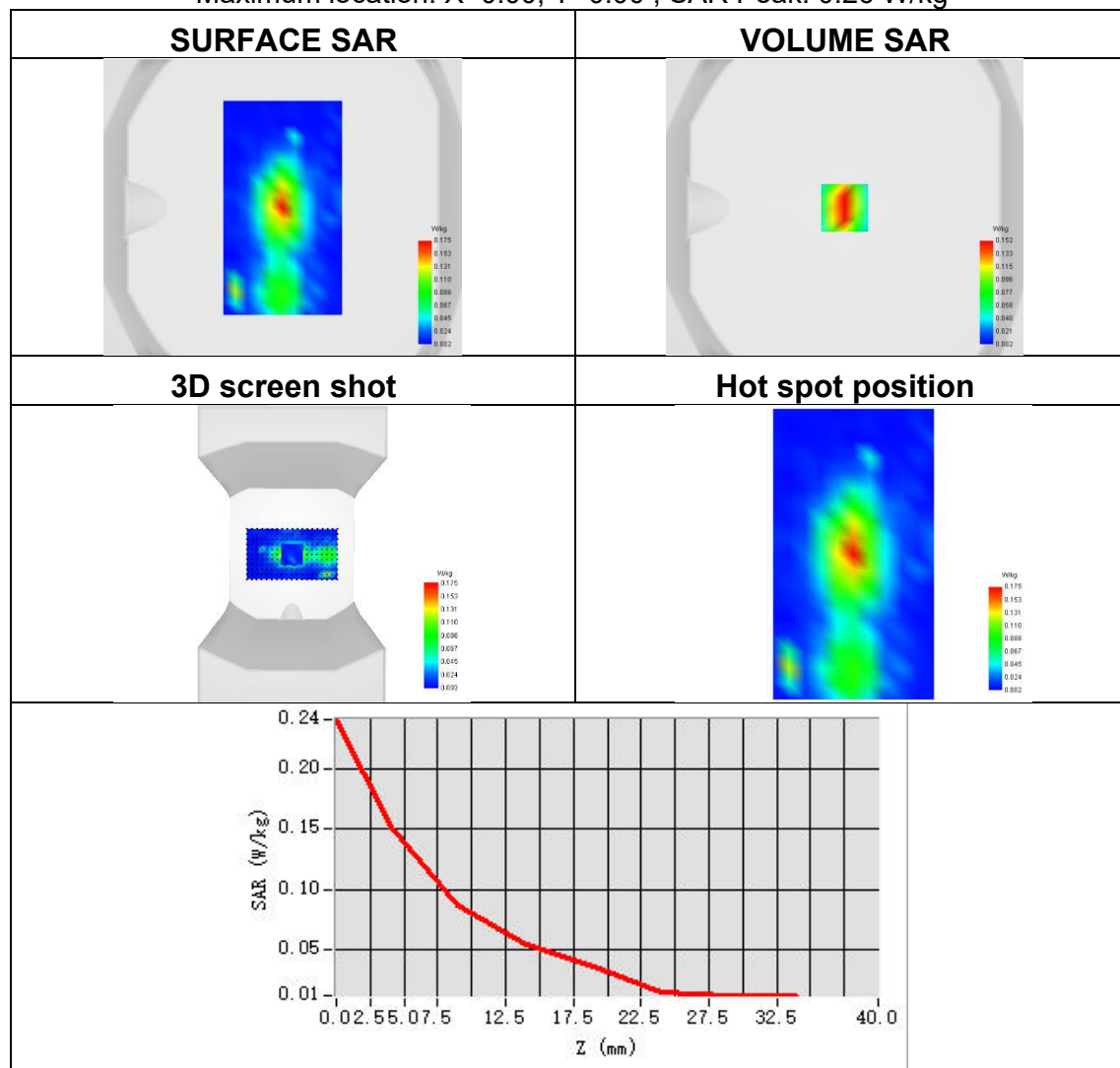




Plot 12:

Test Date	2025-10-16
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Left Side
Band	ISM
Signal	IEEE 802.11b
Frequency	2412
SAR 10g (W/Kg)	0.076
SAR 1g (W/Kg)	0.147
ConvF	1.51
Relative permittivity	39.90
Conductivity (S/m)	1.73

Maximum location: X=0.00, Y=0.00 ; SAR Peak: 0.26 W/kg

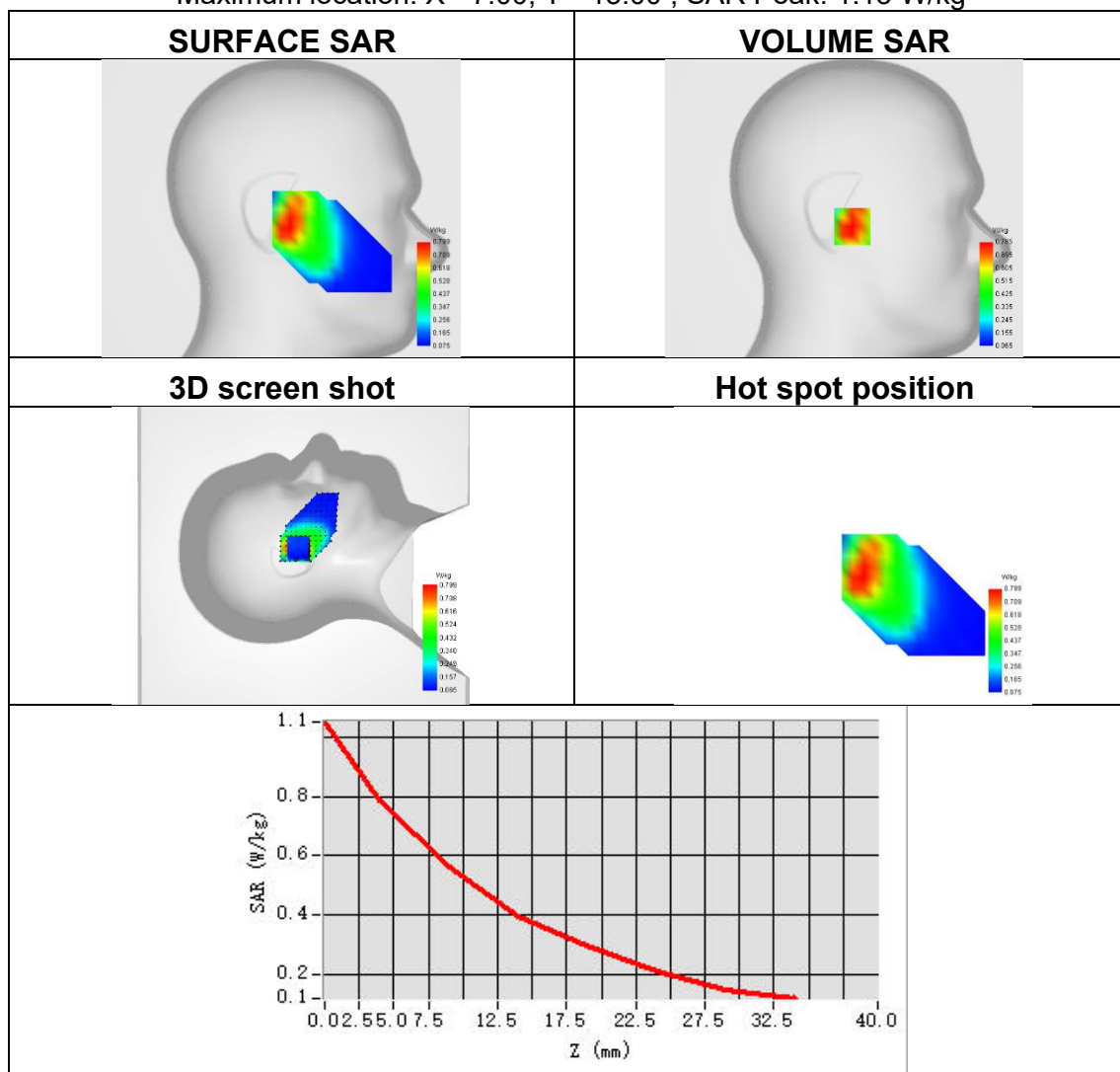




Plot 13:

Test Date	2025-10-25
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	1860
SAR 10g (W/Kg)	0.495
SAR 1g (W/Kg)	0.770
ConvF	1.34
Relative permittivity	41.09
Conductivity (S/m)	1.44

Maximum location: X=-7.00, Y=-15.00 ; SAR Peak: 1.13 W/kg

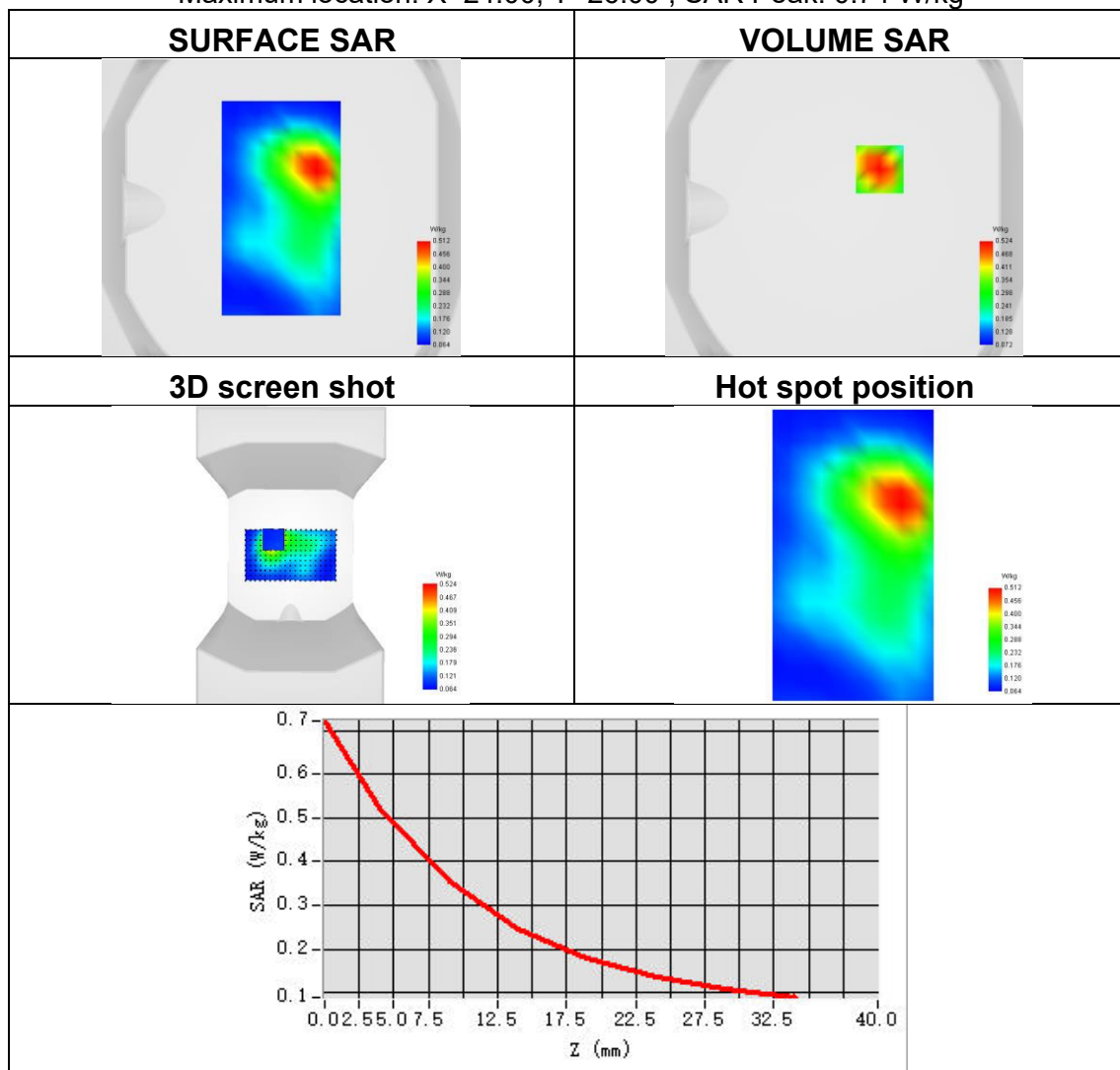




Plot 14:

Test Date	2025-10-25
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 2
Signal	LTE FDD
Frequency	1860
SAR 10g (W/Kg)	0.327
SAR 1g (W/Kg)	0.503
ConvF	1.34
Relative permittivity	41.09
Conductivity (S/m)	1.44

Maximum location: X=24.00, Y=26.00 ; SAR Peak: 0.74 W/kg

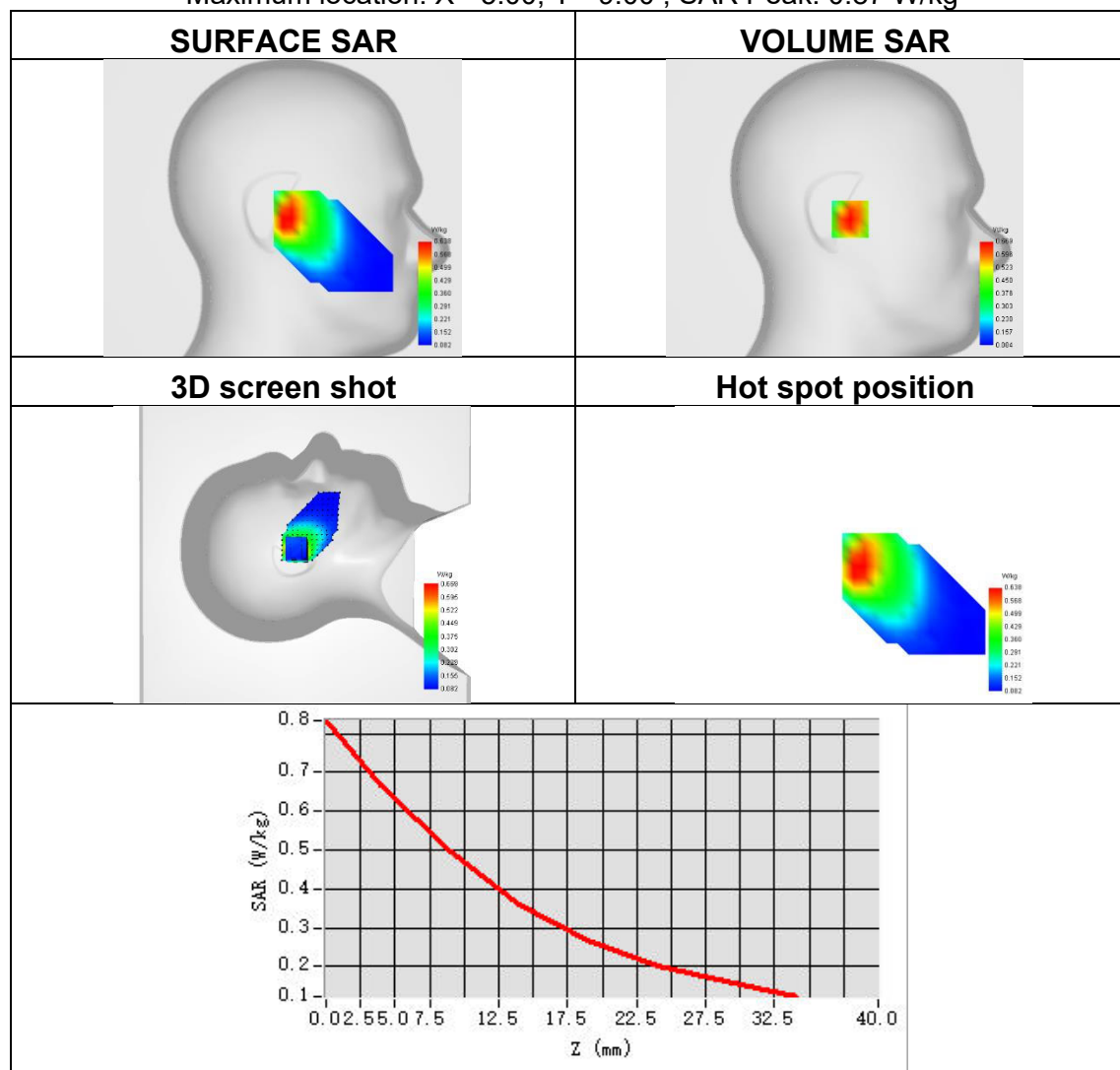




Plot 15:

Test Date	2025-10-24
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	1720
SAR 10g (W/Kg)	0.437
SAR 1g (W/Kg)	0.638
ConvF	1.21
Relative permittivity	40.73
Conductivity (S/m)	1.39

Maximum location: X=-5.00, Y=-9.00 ; SAR Peak: 0.87 W/kg

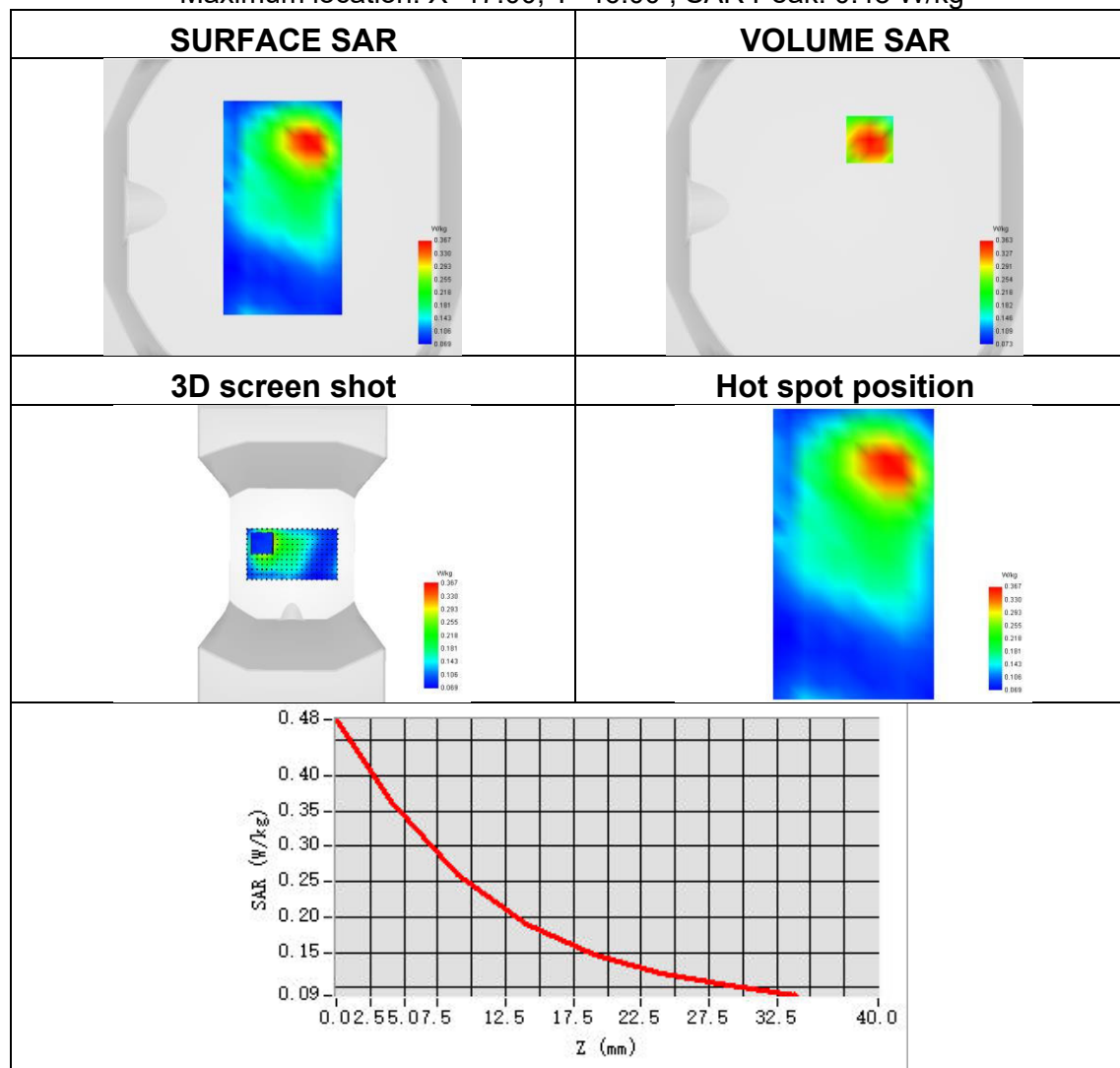




Plot 16:

Test Date	2025-10-24
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 4
Signal	LTE FDD
Frequency	1720
SAR 10g (W/Kg)	0.236
SAR 1g (W/Kg)	0.351
ConvF	1.21
Relative permittivity	40.73
Conductivity (S/m)	1.39

Maximum location: X=17.00, Y=46.00 ; SAR Peak: 0.48 W/kg

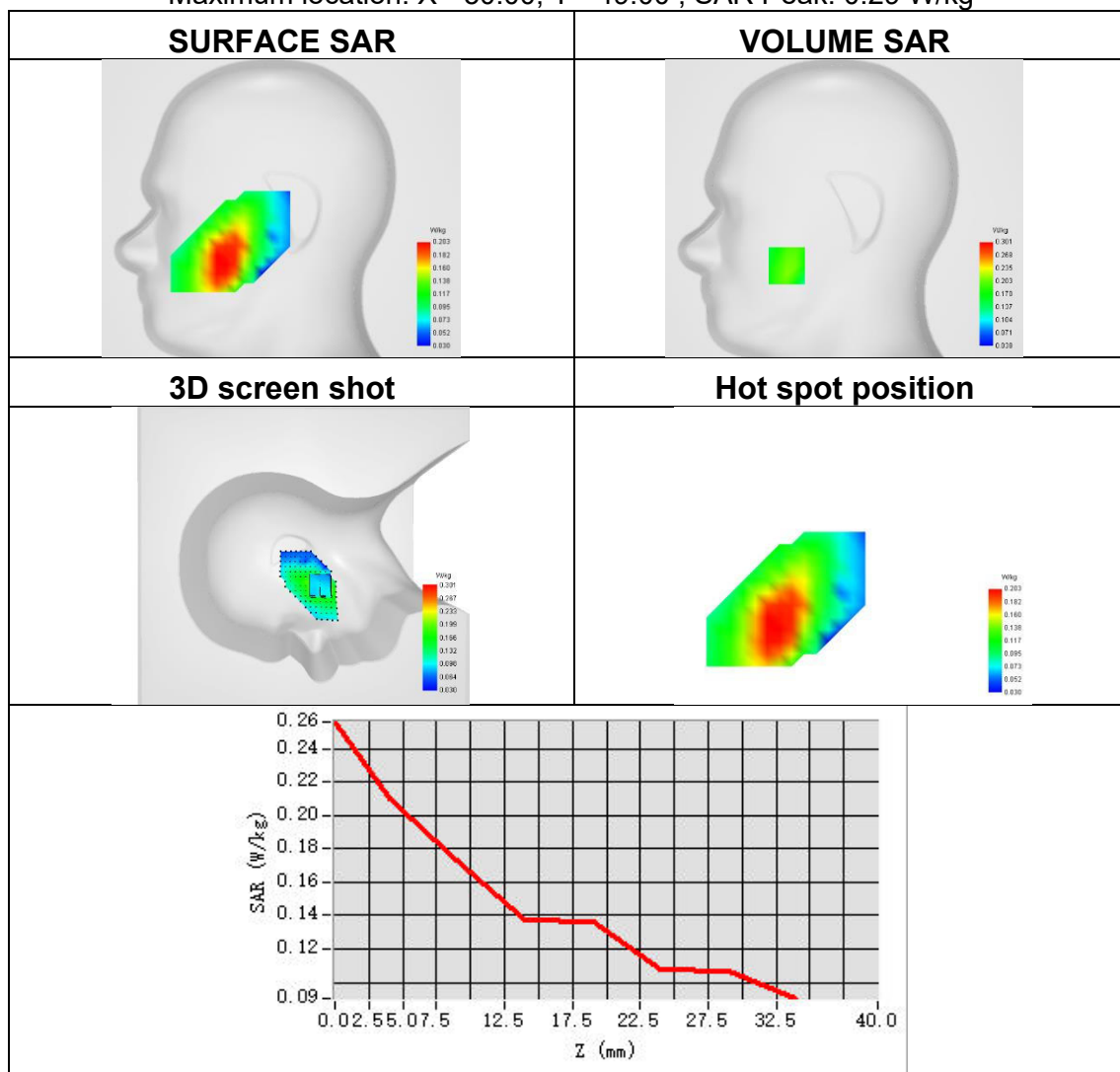




Plot 17:

Test Date	2025-10-16
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 5
Signal	LTE FDD
Frequency	844
SAR 10g (W/Kg)	0.134
SAR 1g (W/Kg)	0.207
ConvF	1.02
Relative permittivity	42.34
Conductivity (S/m)	0.88

Maximum location: X=-50.00, Y=-49.00 ; SAR Peak: 0.29 W/kg

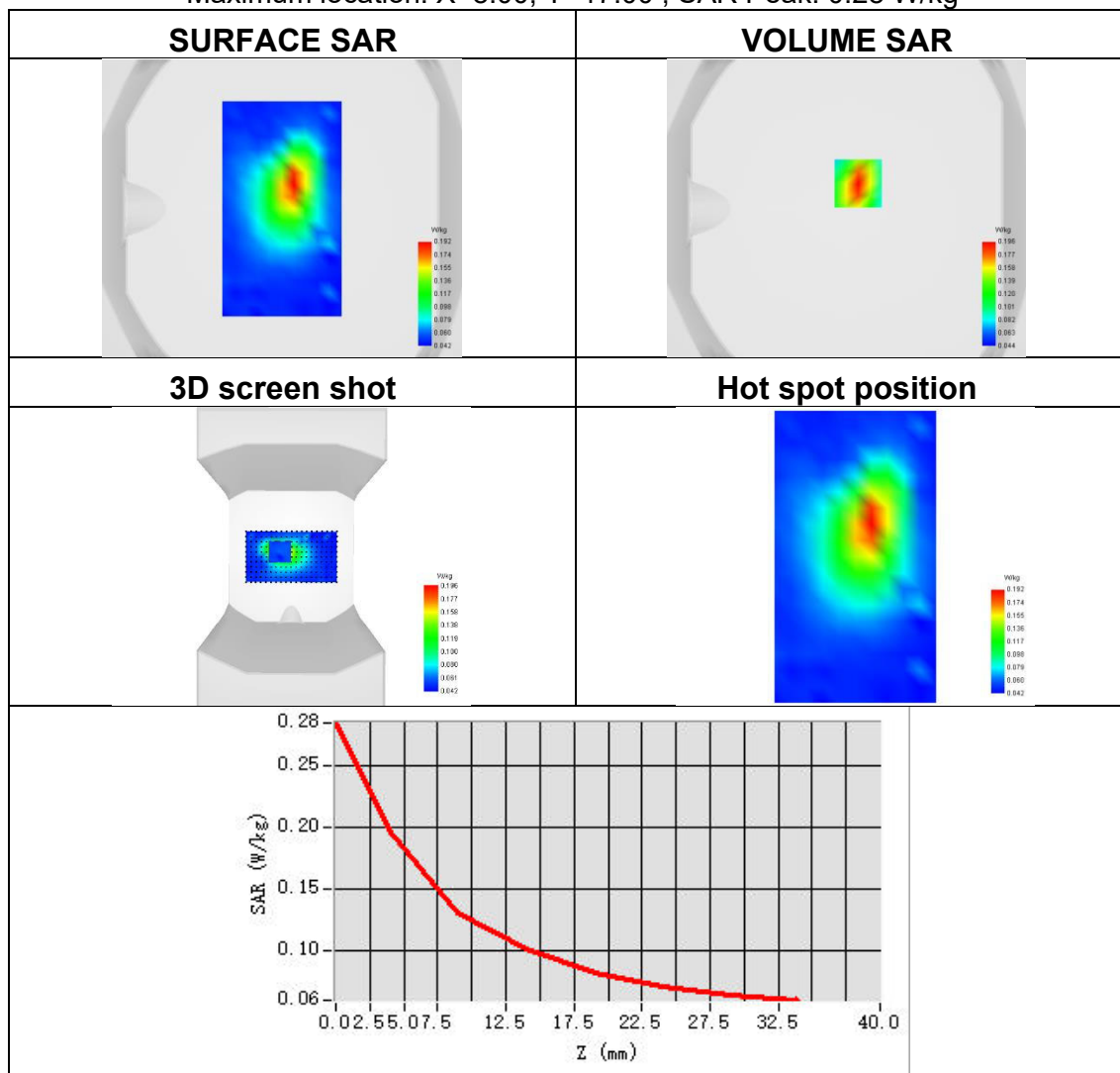




Plot 18:

Test Date	2025-10-16
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 5
Signal	LTE FDD
Frequency	844
SAR 10g (W/Kg)	0.118
SAR 1g (W/Kg)	0.187
ConvF	1.02
Relative permittivity	42.34
Conductivity (S/m)	0.88

Maximum location: X=8.00, Y=17.00 ; SAR Peak: 0.28 W/kg

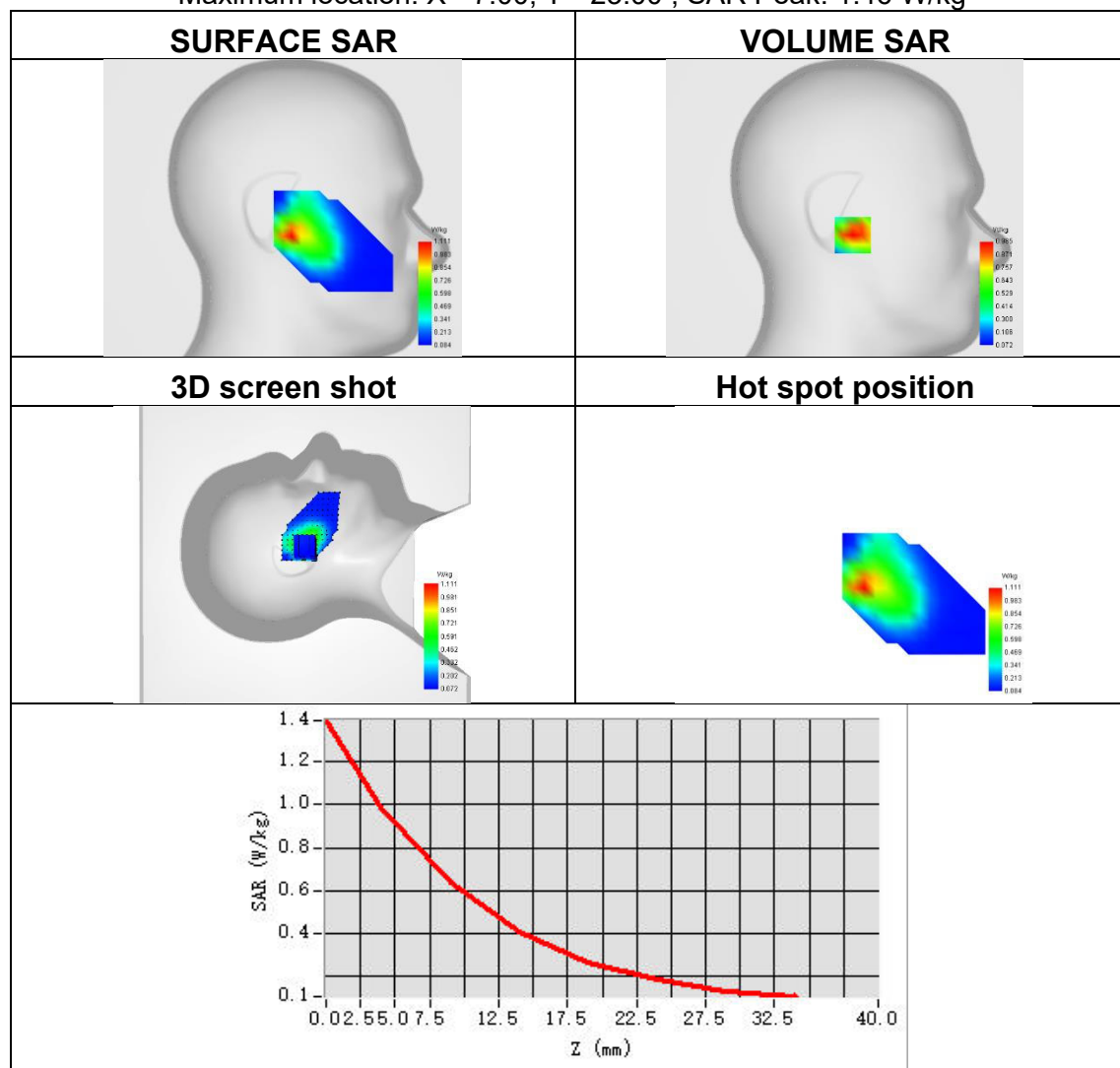




Plot 19:

Test Date	2025-10-16
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 FDD
Frequency	2510
SAR 10g (W/Kg)	0.530
SAR 1g (W/Kg)	0.937
ConvF	1.44
Relative permittivity	39.90
Conductivity (S/m)	1.73

Maximum location: X=-7.00, Y=-23.00 ; SAR Peak: 1.46 W/kg

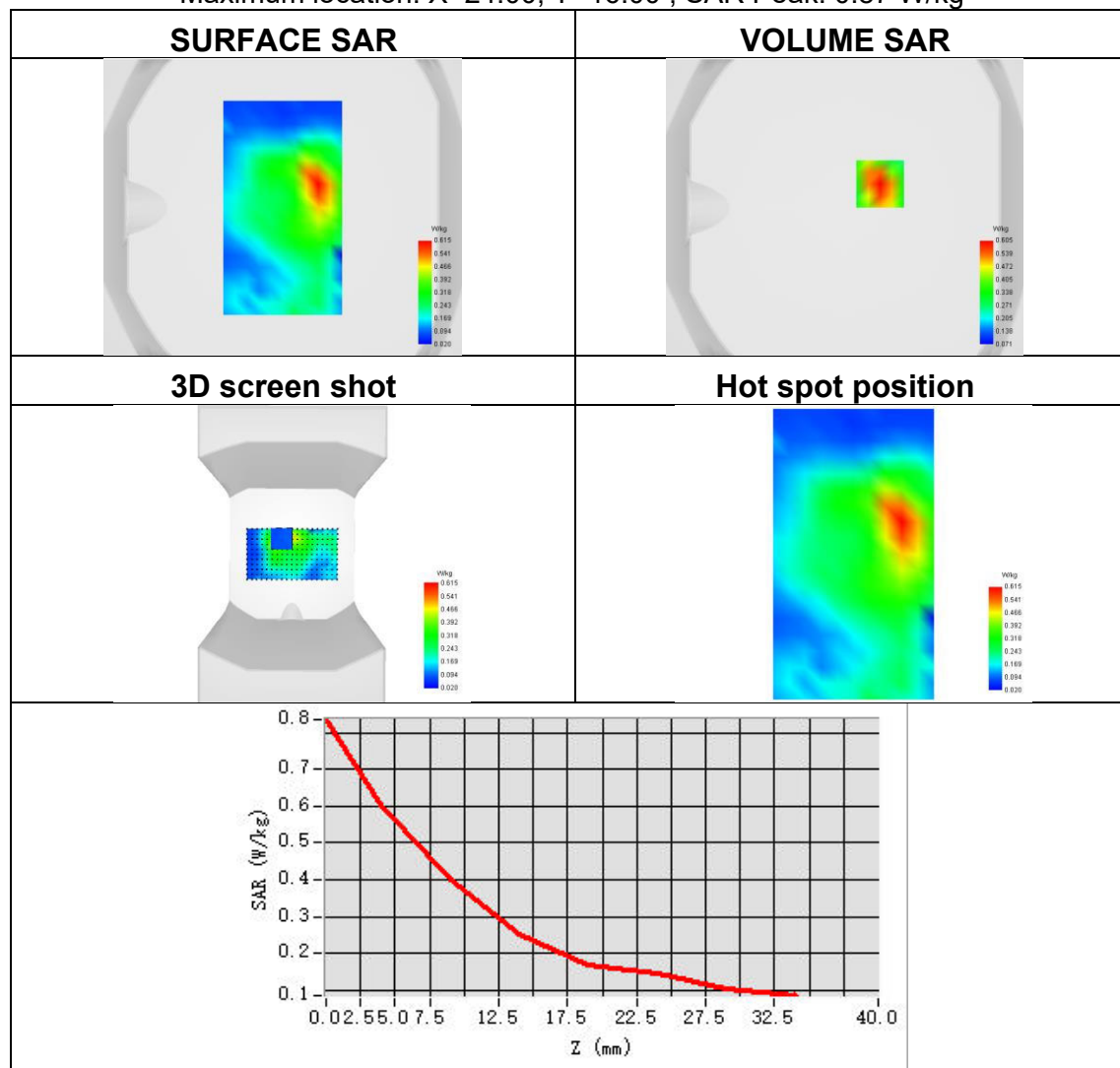




Plot 20:

Test Date	2025-10-16
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 FDD
Frequency	2510
SAR 10g (W/Kg)	0.346
SAR 1g (W/Kg)	0.570
ConvF	1.44
Relative permittivity	39.90
Conductivity (S/m)	1.73

Maximum location: X=24.00, Y=16.00 ; SAR Peak: 0.87 W/kg

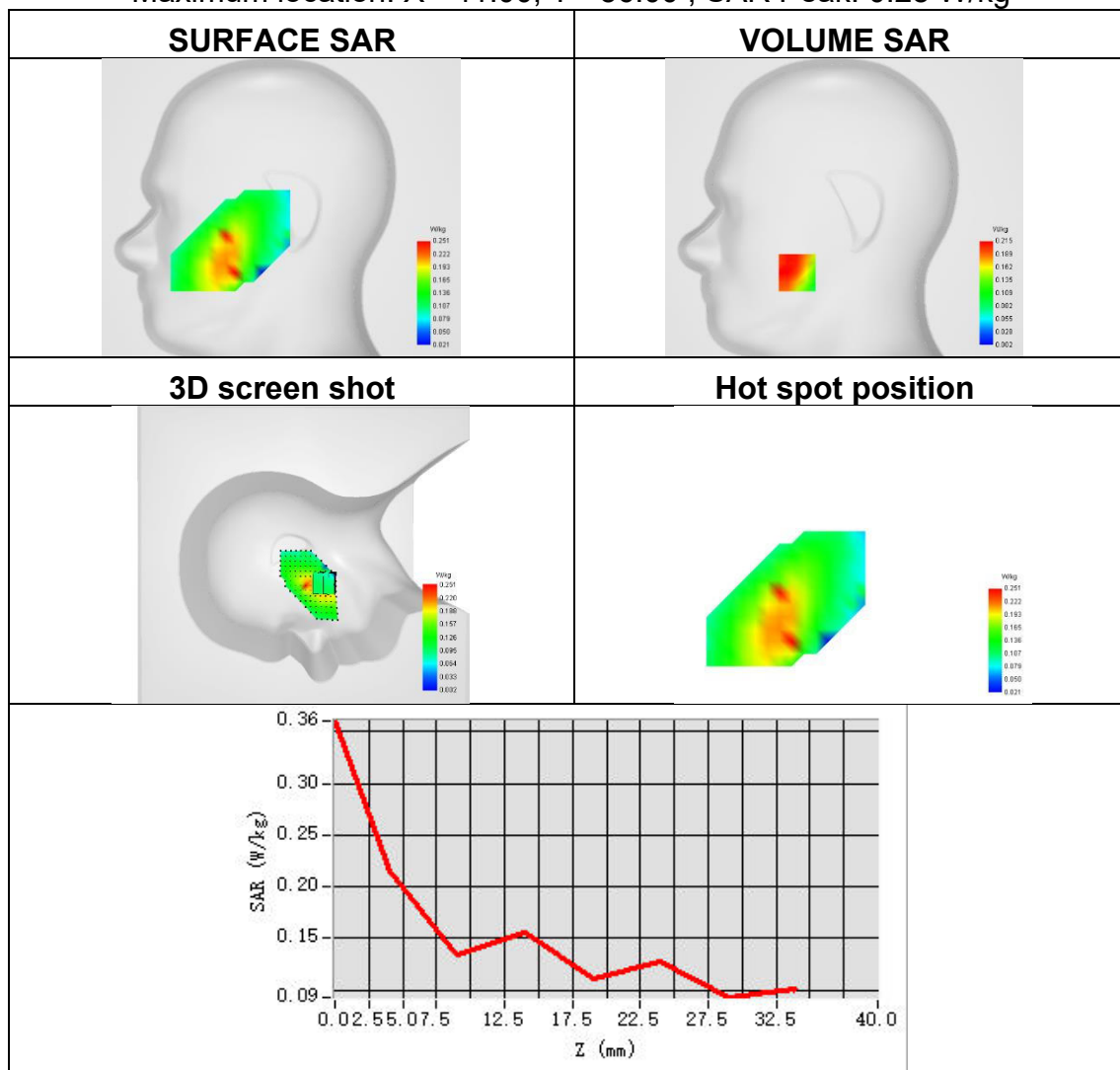




Plot 21:

Test Date	2025-10-20
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 12
Signal	LTE FDD
Frequency	704
SAR 10g (W/Kg)	0.152
SAR 1g (W/Kg)	0.227
ConvF	1.08
Relative permittivity	42.68
Conductivity (S/m)	0.88

Maximum location: X=-41.00, Y=-56.00 ; SAR Peak: 0.28 W/kg

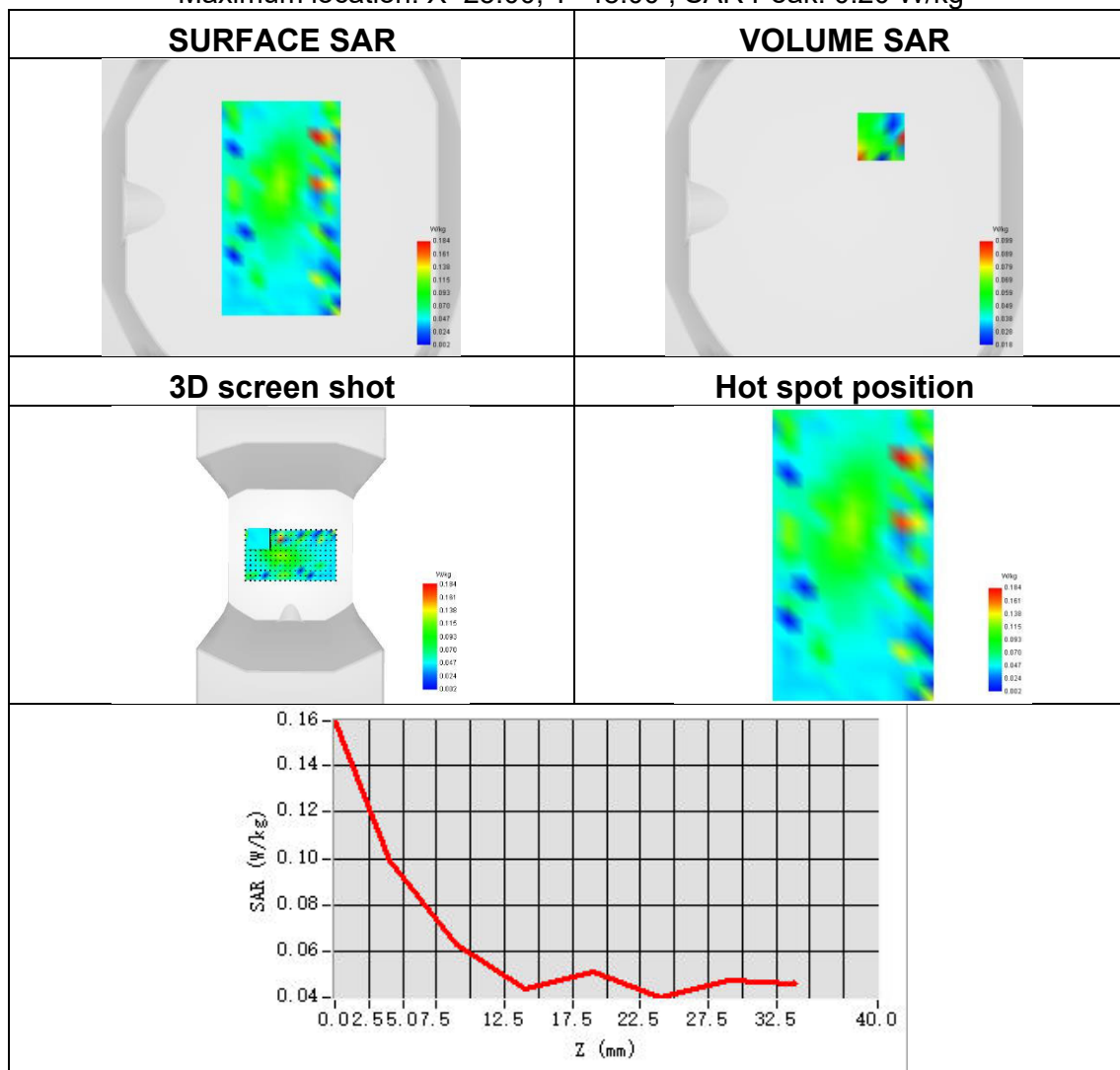




Plot 22:

Test Date	2025-10-20
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 12
Signal	LTE FDD
Frequency	704
SAR 10g (W/Kg)	0.035
SAR 1g (W/Kg)	0.069
ConvF	1.08
Relative permittivity	42.68
Conductivity (S/m)	0.88

Maximum location: X=25.00, Y=48.00 ; SAR Peak: 0.20 W/kg

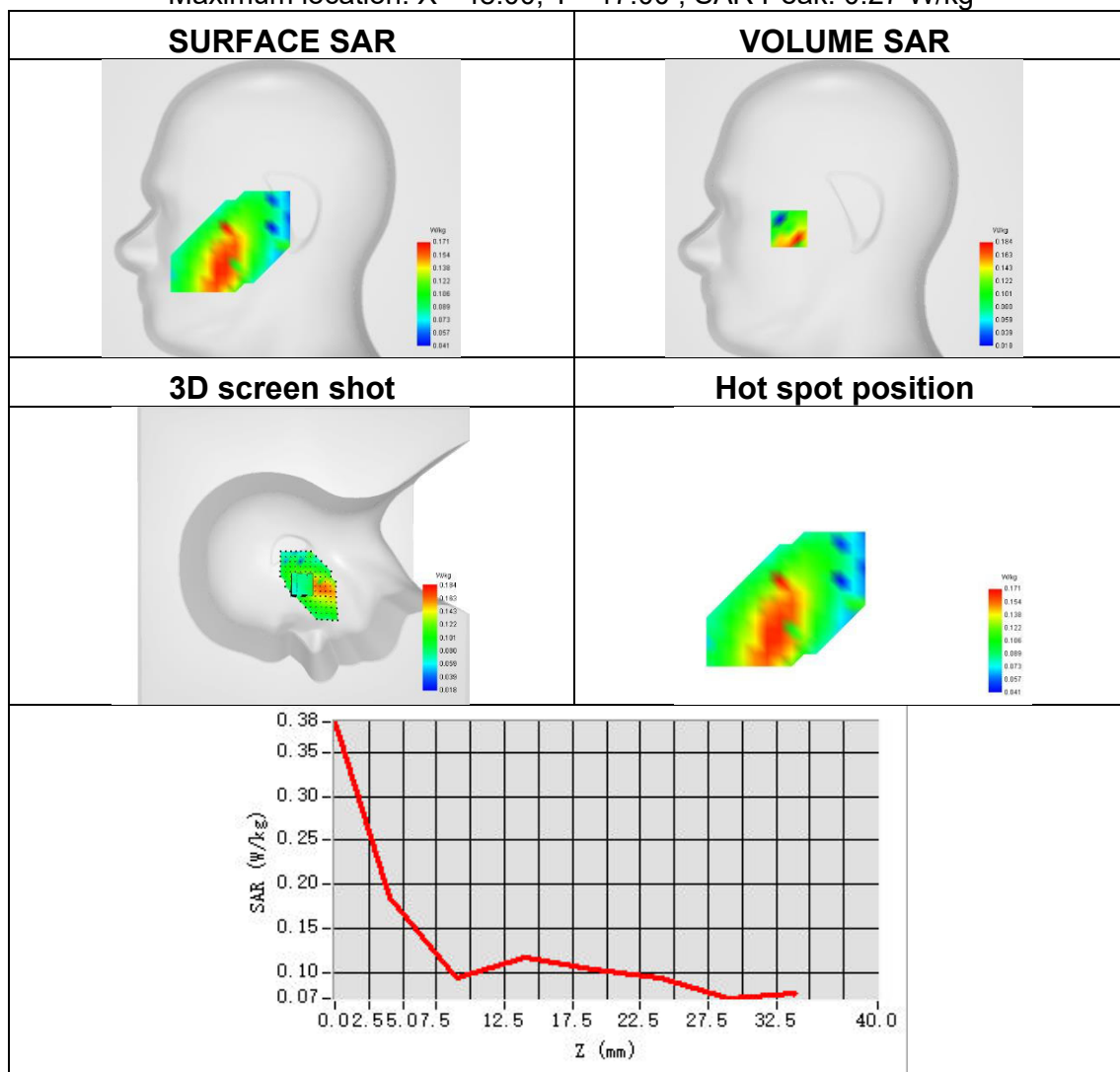




Plot 23:

Test Date	2025-10-23
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)	0.105
SAR 1g (W/Kg)	0.170
ConvF	1.08
Relative permittivity	42.39
Conductivity (S/m)	0.92

Maximum location: X=-48.00, Y=-17.00 ; SAR Peak: 0.27 W/kg

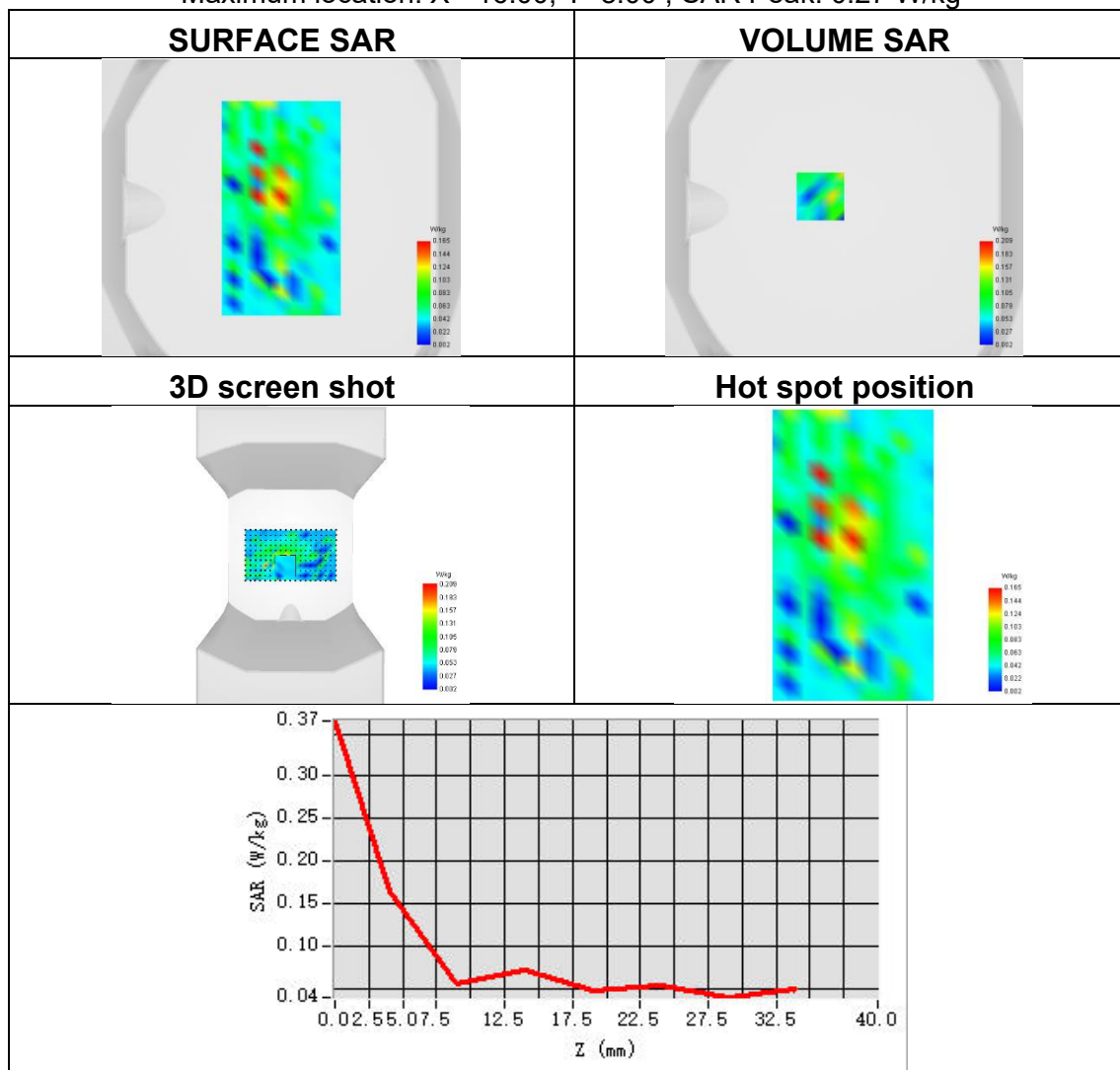




Plot 24:

Test Date	2025-10-23
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 13
Signal	LTE FDD
Frequency	782
SAR 10g (W/Kg)	0.063
SAR 1g (W/Kg)	0.128
ConvF	1.08
Relative permittivity	42.39
Conductivity (S/m)	0.92

Maximum location: X=-16.00, Y=8.00 ; SAR Peak: 0.27 W/kg

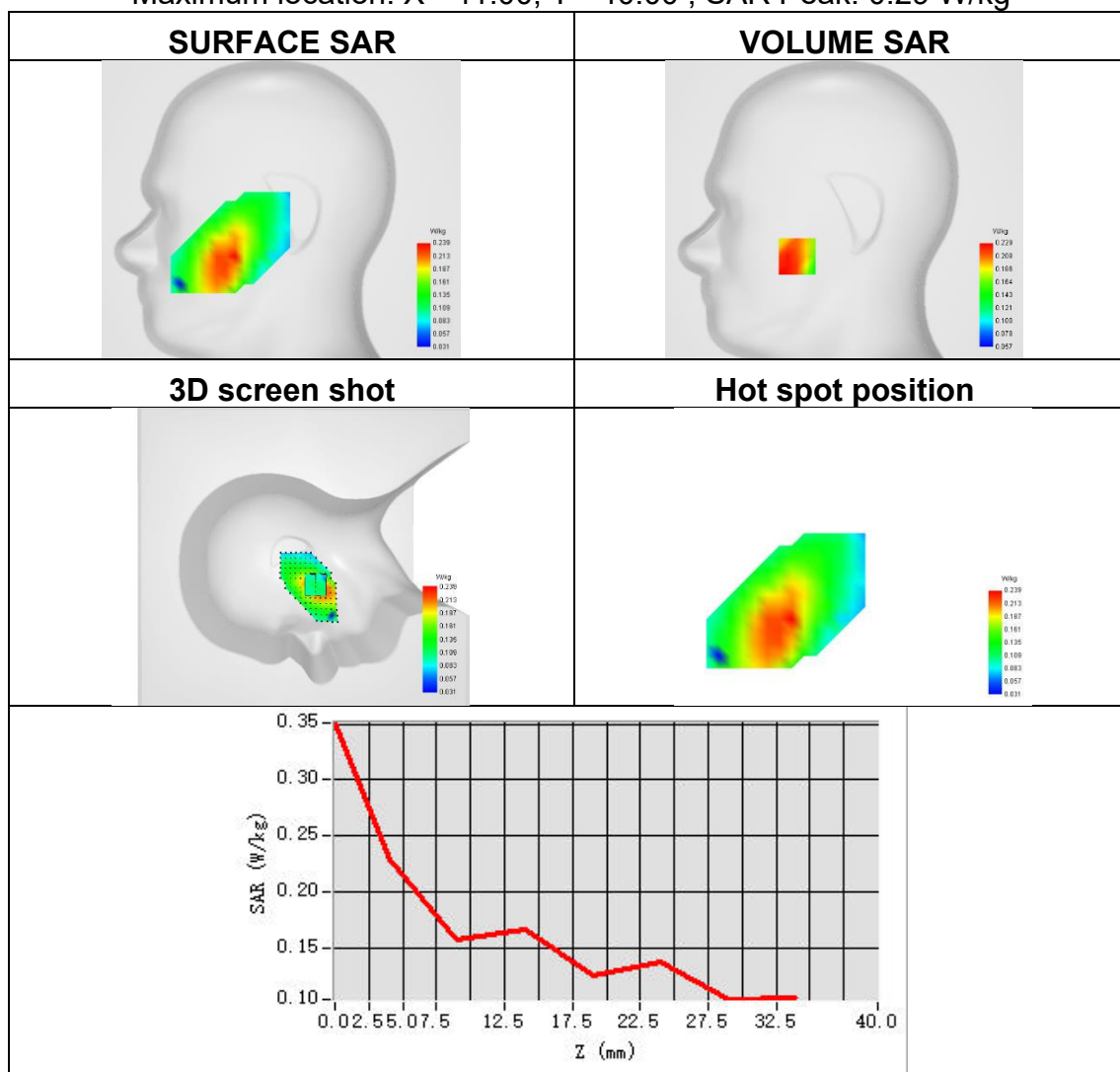




Plot 25:

Test Date	2025-10-20
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)	0.165
SAR 1g (W/Kg)	0.237
ConvF	1.08
Relative permittivity	42.68
Conductivity (S/m)	0.88

Maximum location: X=-41.00, Y=-40.00 ; SAR Peak: 0.29 W/kg

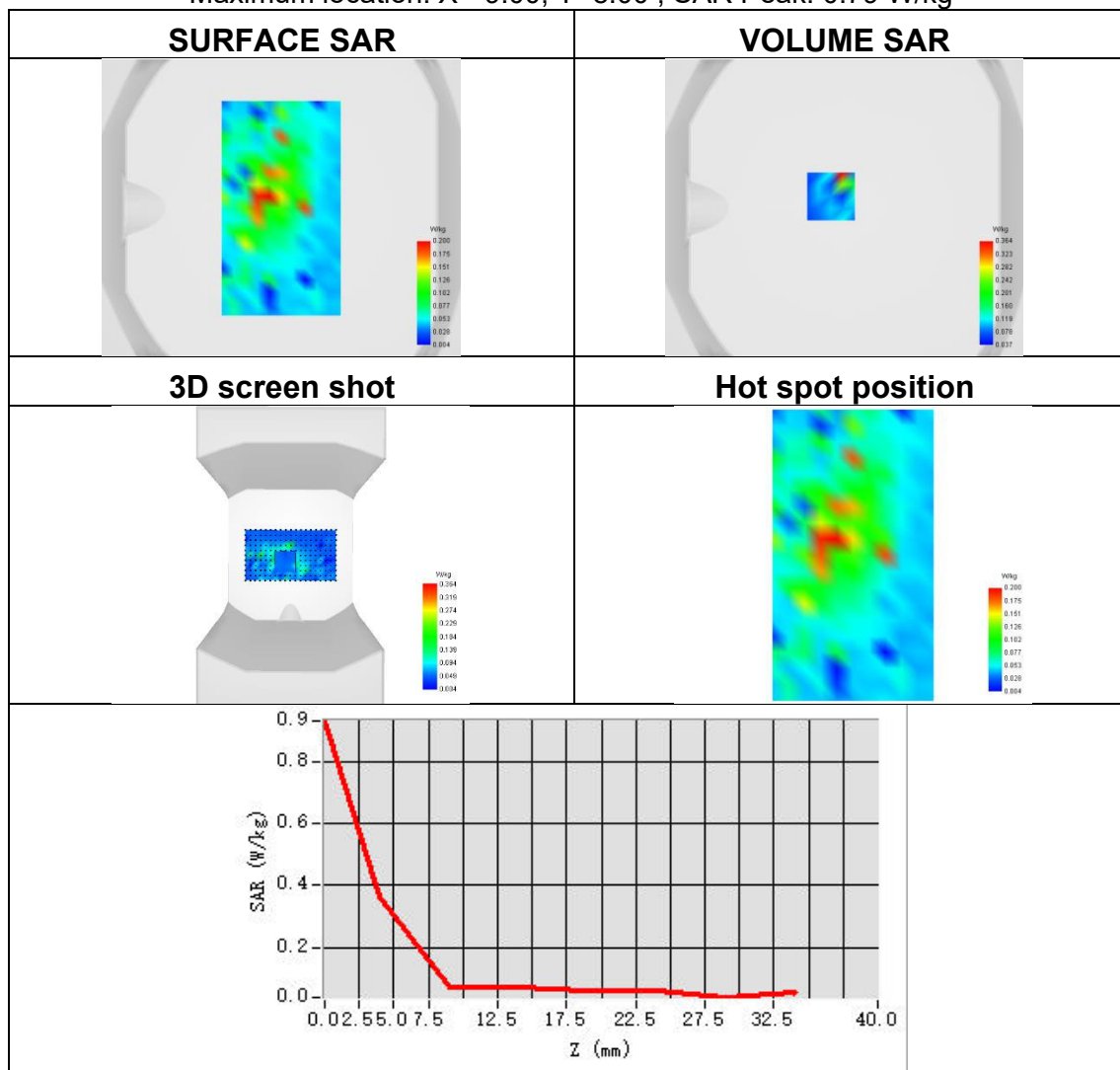




Plot 26:

Test Date	2025-10-20
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 17
Signal	LTE FDD
Frequency	709
SAR 10g (W/Kg)	0.093
SAR 1g (W/Kg)	0.287
ConvF	1.08
Relative permittivity	42.68
Conductivity (S/m)	0.88

Maximum location: X=-9.00, Y=8.00 ; SAR Peak: 0.79 W/kg

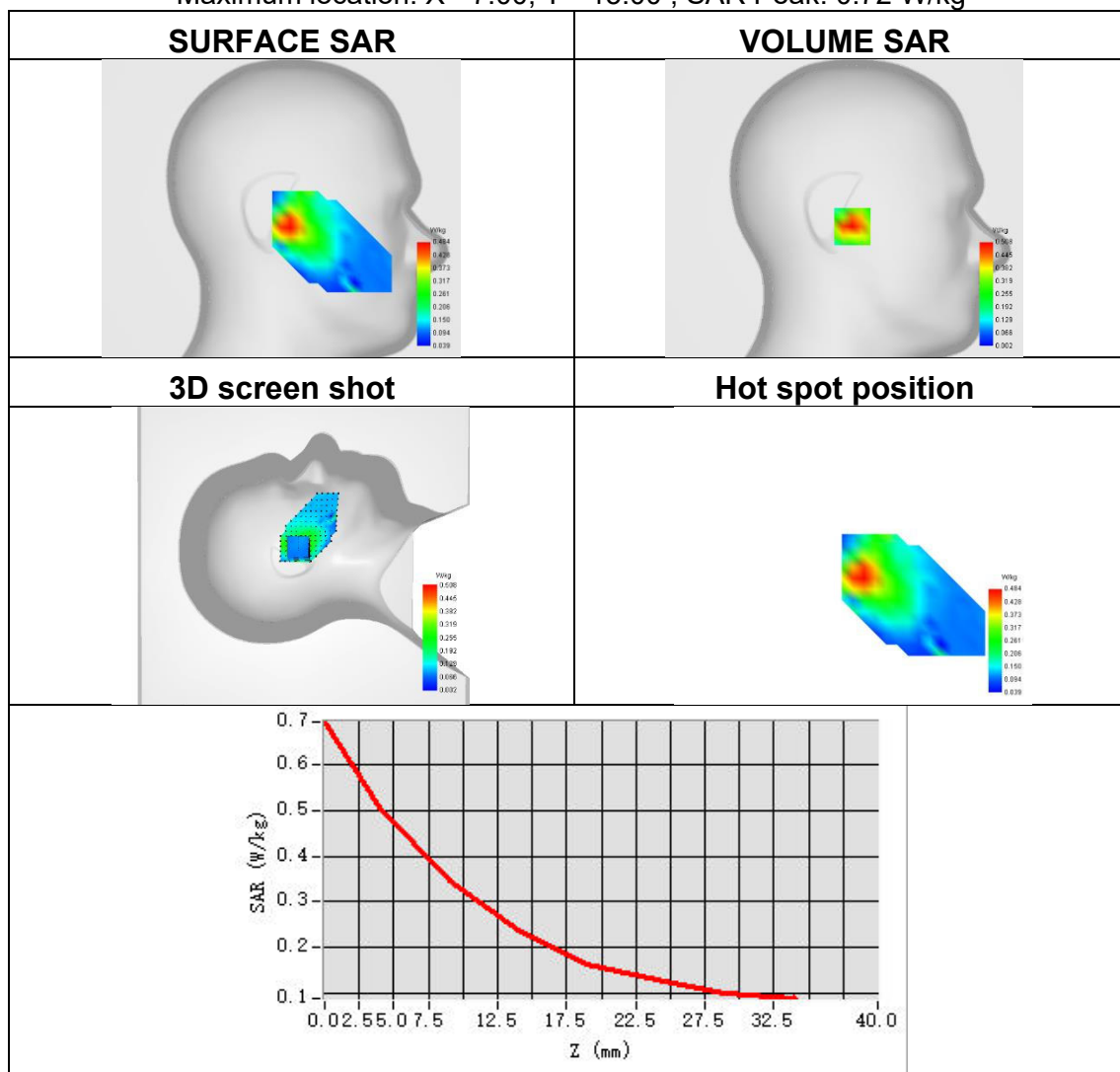




Plot 27:

Test Date	2025-10-15
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	2610
SAR 10g (W/Kg)	0.288
SAR 1g (W/Kg)	0.477
ConvF	1.44
Relative permittivity	39.87
Conductivity (S/m)	1.94

Maximum location: X=-7.00, Y=-15.00 ; SAR Peak: 0.72 W/kg

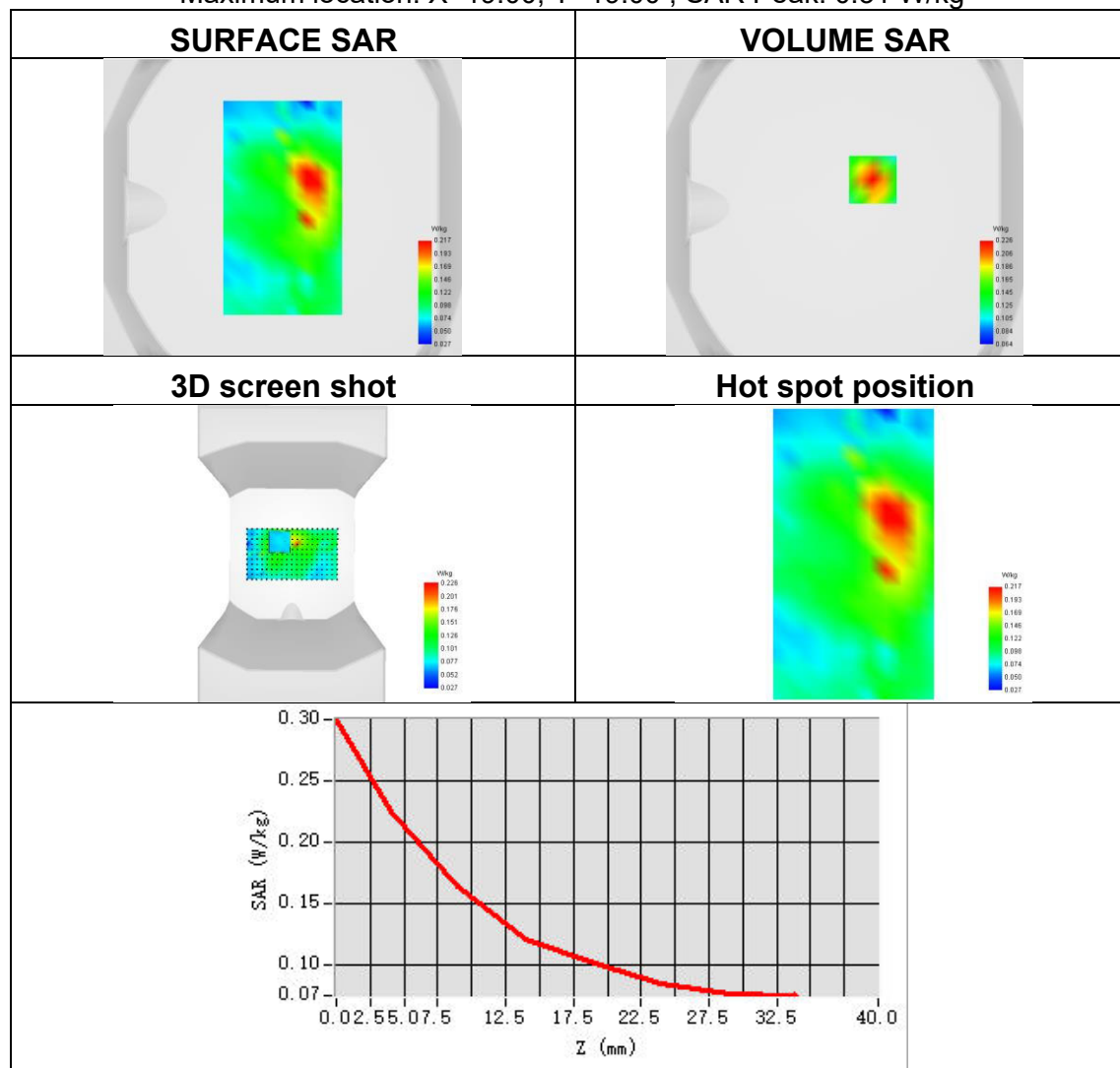




Plot 28:

Test Date	2025-10-15
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	2610
SAR 10g (W/Kg)	0.146
SAR 1g (W/Kg)	0.214
ConvF	1.44
Relative permittivity	39.87
Conductivity (S/m)	1.94

Maximum location: X=19.00, Y=19.00 ; SAR Peak: 0.31 W/kg

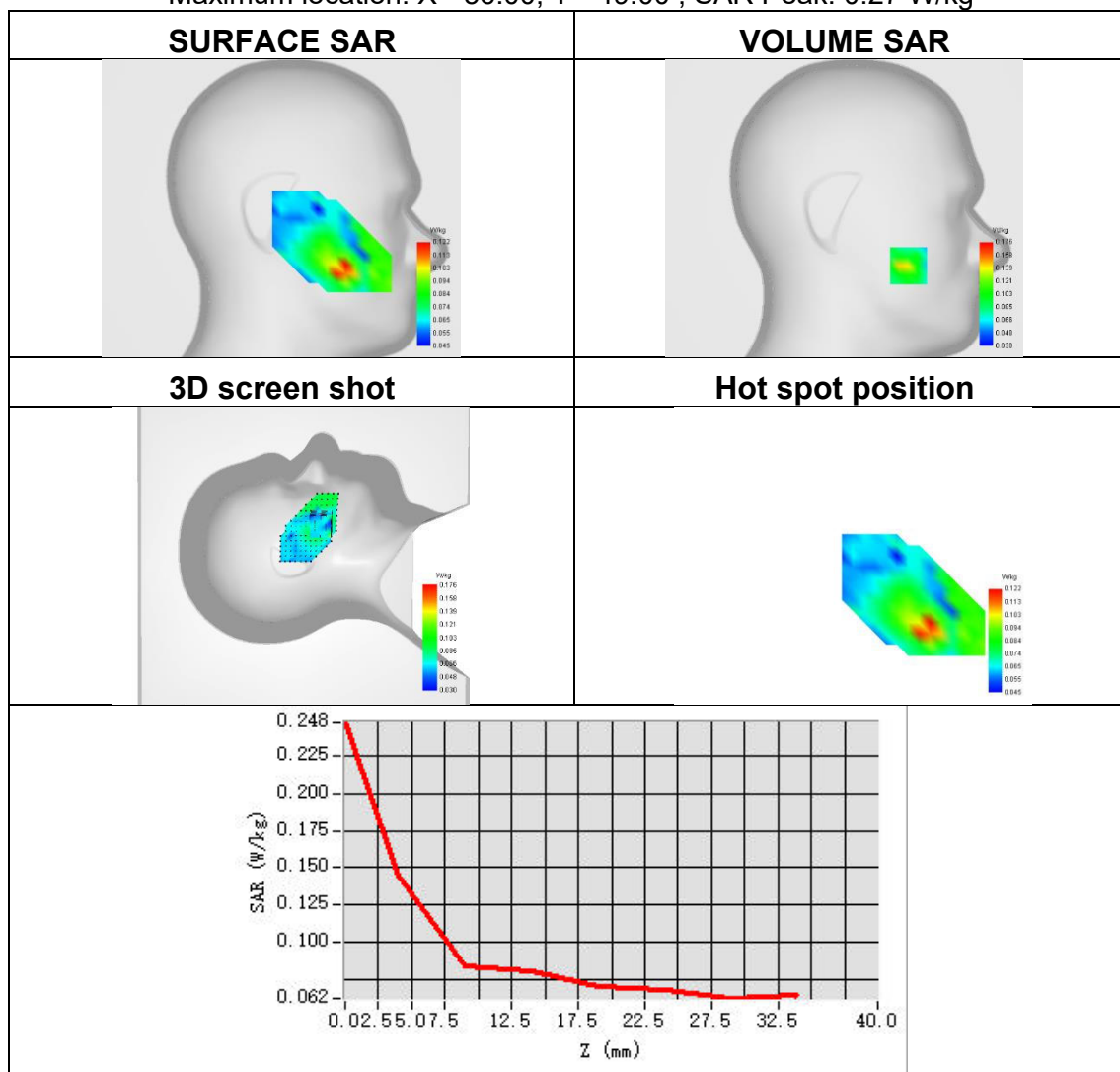




Plot 29:

Test Date	2025-10-26
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 40
Signal	LTE FDD
Frequency	2355
SAR 10g (W/Kg)	0.088
SAR 1g (W/Kg)	0.144
ConvF	1.47
Relative permittivity	40.02
Conductivity (S/m)	1.68

Maximum location: X=-56.00, Y=-49.00 ; SAR Peak: 0.27 W/kg

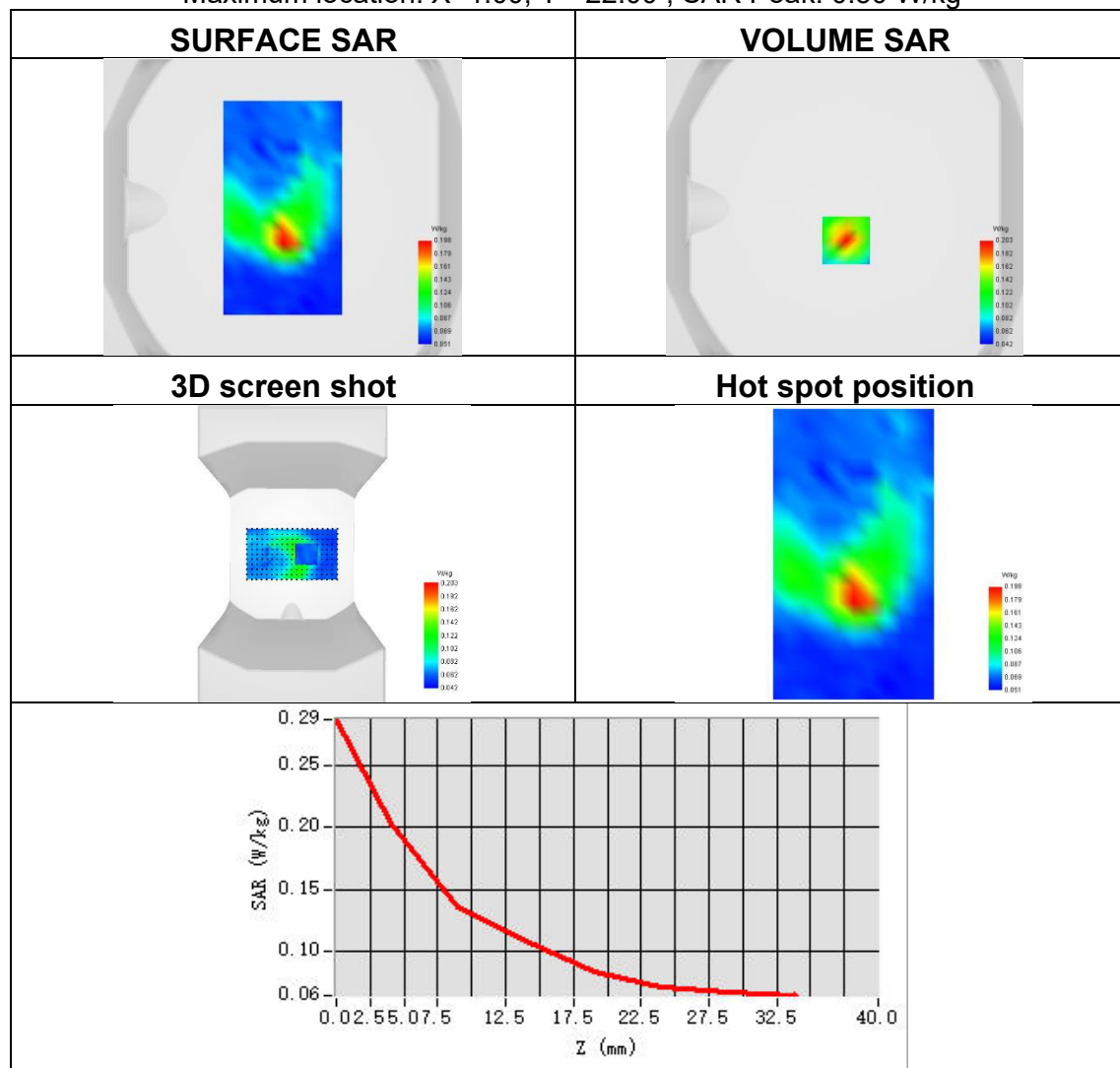




Plot 30:

Test Date	2025-10-26
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 40
Signal	LTE FDD
Frequency	2355
SAR 10g (W/Kg)	0.122
SAR 1g (W/Kg)	0.191
ConvF	1.47
Relative permittivity	40.02
Conductivity (S/m)	1.68

Maximum location: X=1.00, Y=-22.00 ; SAR Peak: 0.30 W/kg

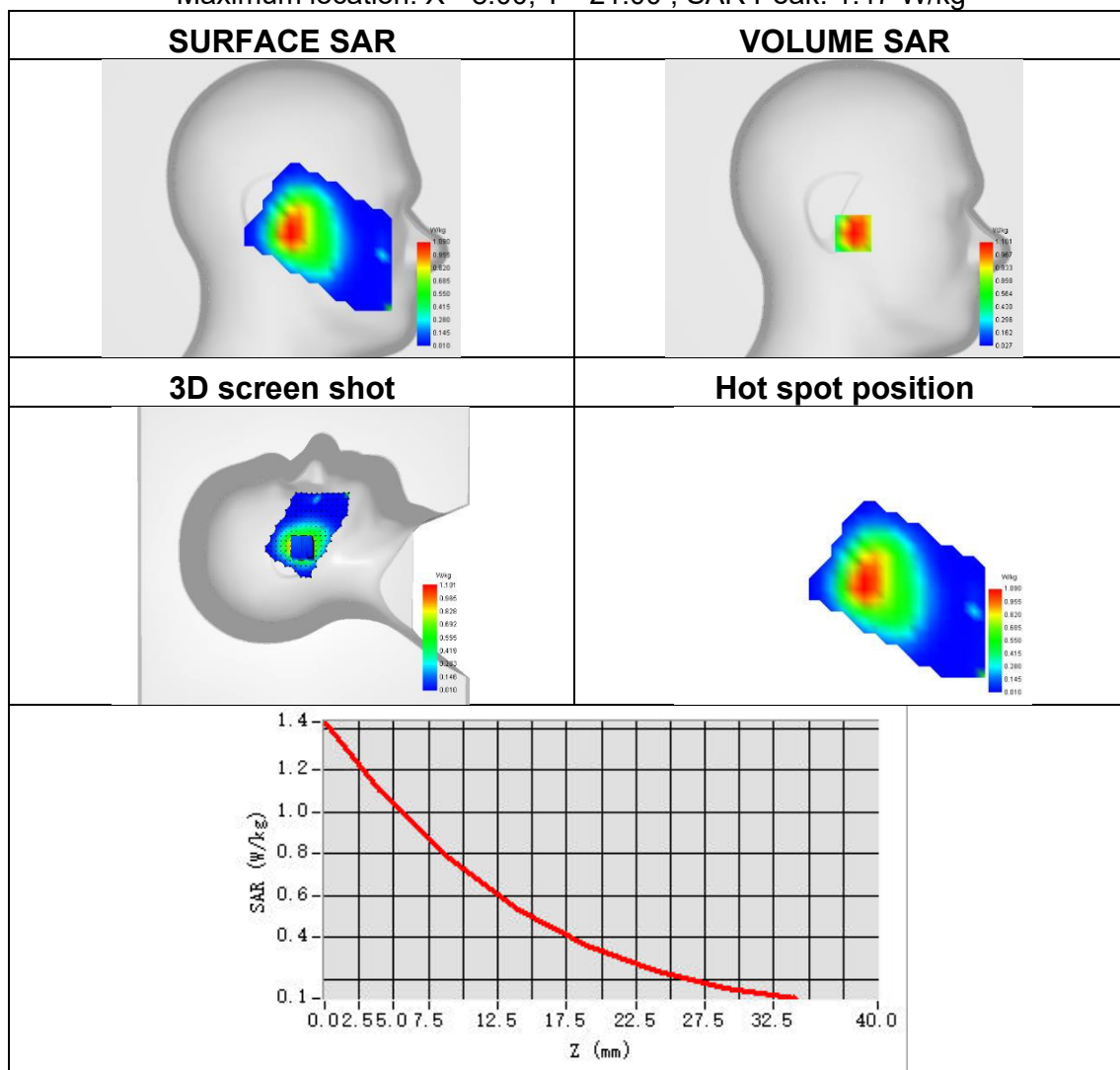




Plot 31:

Test Date	2025-10-24
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 66
Signal	LTE FDD
Frequency	1720
SAR 10g (W/Kg)	0.683
SAR 1g (W/Kg)	1.048
ConvF	1.21
Relative permittivity	40.73
Conductivity (S/m)	1.39

Maximum location: X=-8.00, Y=-21.00 ; SAR Peak: 1.47 W/kg

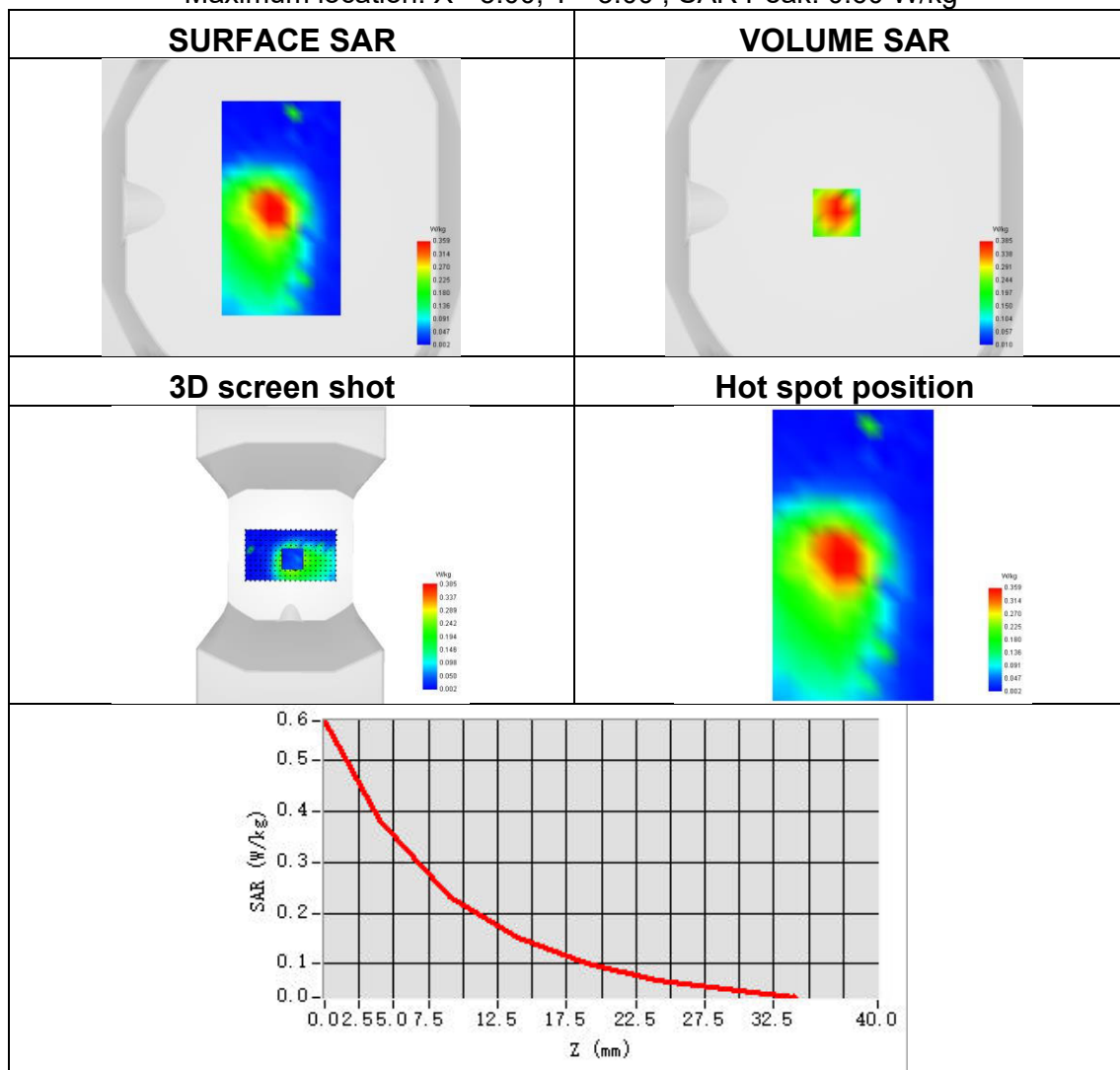




Plot 32:

Test Date	2025-10-24
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	1720
SAR 10g (W/Kg)	0.214
SAR 1g (W/Kg)	0.371
ConvF	1.21
Relative permittivity	40.73
Conductivity (S/m)	1.39

Maximum location: X=-5.00, Y=-3.00 ; SAR Peak: 0.60 W/kg





Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※※END OF THE REPORT※※※※※