SAR TEST REPORT

Product Name: 5G Smart phone

Model Name: TANK3, Titan P30000 Ultra 5G

Issued For	:	Shenzhen OBLUE Communication Technology Co.,Ltd. Room 702, Hepingdayou industrial and trade industrial park, No. 41, Yonghe Road, Heping Community, Fuhai Street, Baoan District, Shenzhen City,China
Issued By	:	Shenzhen LGT Test Service Co., Ltd. Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China.

Report Number:	LGT23I086HA02
Sample Received Date:	Sept. 27, 2023
Date of Test:	Sept. 29, 2023 ~ Nov. 08, 2023
Date of Issue:	Nov. 09, 2023
Max. SAR (10g):	Head: 0.304 W/kg Body: 1.356 W/kg

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Revision History

Rev.	Issue Date	Contents
00	Nov. 09, 2023	Initial Issue

TEST REPORT CERTIFICATION

Applicant:	Shenzhen OBLUE Communication Technology Co.,Ltd.
Address:	Room 702, Hepingdayou industrial and trade industrial park, No. 41, Yonghe Road, Heping Community, Fuhai Street, Baoan District, Shenzhen City,China
Manufacture:	Shenzhen OBLUE Communication Technology Co.,Ltd.
Address:	Room 702, Hepingdayou industrial and trade industrial park, No. 41, Yonghe Road, Heping Community, Fuhai Street, Baoan District, Shenzhen City,China
Product Name:	5G Smart phone
Trademark:	8849,Unihertz, iHunt
Model Name:	TANK3, Titan P30000 Ultra 5G
Sample number:	LGT2309089-4

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
EN 50360: 2017; EN 50566: 2017; EN IEC/IEEE 62209-1528: 2021; EN 50663: 2017; EN 62479: 2010	PASS

Prepared by:

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Engineer

Approved by:

Vita Li

Manager

1. General Information

1.1 EUT Description

Product Name:	5G Smart phone
Trademark:	8849,Unihertz, iHunt
Model Name:	TANK3
Series Model:	Titan P30000 Ultra 5G
Model Difference:	Different make and model.
Hardware Version	G91_V2.0
Software Version:	TANK3_EEA_20231008
Frequency Range:	GSM 900: 880 MHz to 915 MHz GSM1800: 1710 MHz to 1785 MHz WCDMA Band I: 1920 MHz to 1980 MHz WCDMA Band VIII: 880 MHz to 915 MHz LTE Band 1: 1920 MHz to 1980 MHz LTE Band 3: 1710 MHz to 1785 MHz LTE Band 7: 2500 MHz to 2570 MHz LTE Band 8: 880 MHz to 915 MHz LTE Band 20: 832 MHz to 862 MHz LTE Band 28: 703 MHz to 748 MHz LTE Band 34: 2010MHz to 2025 MHz LTE Band 38: 2570 MHz to 2620 MHz LTE Band 40: 2305 MHz to 2400 MHz LTE Band 42: 3400 MHz to 3600 MHz NR N1: 1920 MHz to 1980 MHz NR N3: 1710 MHz to 1785 MHz NR N7: 2500 MHz to 2570 MHz NR N8: 880 MHz to 915 MHz NR N20: 832 MHz to 862 MHz NR N28: 703 MHz to 736 MHz NR N38: 2570 MHz to 2620 MHz NR N40: 2300 MHz to 2400 MHz NR N41: 2496 MHz to 2690 MHz NR N77: 3300 MHz to 4200 MHz NR N78: 3300 MHz to 3800 MHz WLAN 802.11b/g/n20/ax20: 2412 to 2472 MHz WLAN 802.11n40/ax40: 2422 to 2462 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80/ax80: 5150 to 5250 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80/ax80: 5250 to 5350 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80/ax80: 5470 to 5725 MHz WLAN 802.11a/n20/n40/ac20/ac40/ac80/ax80: 5725 to 5850 MHz Bluetooth: 2402 MHz to 2480 MHz GPS: 1575.42MHz FM: 87.5 MHz to 108 MHz BDS: 1561.098MHz GLONASS: 1602 MHz GALILEO: 1575.42 MHz NFC: 13.56MHz

	Mode	Head (W/kg)	Body Worn and Hotspot(W/Kg)
Max. Reported SAR (10g):	GSM 900	0.194	0.767
	GSM 1800	0.062	0.638
	WCDMA Band I	0.078	0.988
	WCDMA Band VIII	0.167	0.423
	LTE Band 1	0.058	0.987
	LTE Band 3	0.082	1.264
	LTE Band 7	0.098	0.340
	LTE Band 8	0.165	0.431
	LTE Band 20	0.145	0.348
	LTE Band 28	0.165	0.276
	LTE Band 34	0.098	0.402
	LTE Band 38	0.105	0.202
	LTE Band 40	0.146	0.206
	LTE Band 42	0.212	0.362
	2.4GHz WLAN ANT 1	0.070	0.135
	2.4GHz WLAN ANT 2	0.111	0.118
	2.4GHz WLAN MIMO	0.112	0.189
	5.2GHz WLAN ANT 1	0.165	0.217
	5.2GHz WLAN ANT 2	0.220	0.221
	5.2GHz WLAN MIMO	0.120	0.417
	5.3GHz WLAN ANT 1	0.184	0.274
	5.3GHz WLAN ANT 2	0.154	0.203
	5.3GHz WLAN MIMO	0.266	0.470
	5.6GHz WLAN ANT 1	0.204	0.319
	5.6GHz WLAN ANT 2	0.181	0.198
	5.6GHz WLAN MIMO	0.269	0.535
	5.8GHz WLAN ANT 1	0.264	0.336
	5.8GHz WLAN ANT 2	0.230	0.231
	5.8GHz WLAN MIMO	0.304	0.551
	NR SA N1	0.175	0.701
	NR SA N3	0.219	0.659
	NR SA N7	0.130	0.308
	NR SA N8	0.229	0.392
	NR SA N20	0.212	0.351
	NR SA N28	0.189	0.316
	NR SA N38	0.098	0.226
	NR SA N40	0.237	0.235
	NR SA N41	0.115	0.175
	NR SA N77	0.198	0.143
	NR SA N78	0.147	0.092
	DC_1_n78	0.205	1.079
	DC_3_n78	0.229	1.356
	Limit	2.0 W/kg	

Battery:	Rated Voltage:3.87V Capacity: 23000mAh	
Description test modes:	SIM 1 and SIM 2 is a chipset unit and tested as single chipset, SIM 1 is used to tested	
Modulation Mode:	GSM	GMSK for GSM
	WCDMA	QPSK; HSDPA: QPSK/16QAM; HSUPA: BPSK
	LTE	QPSK/16QAM
	2.4G WLAN	802.11b(DSSS): CCK, DQPSK, DBPSK 802.11g(OFDM): BPSK, QPSK,16-QAM,64-QAM 802.11n(OFDM): BPSK, QPSK,16-QAM,64-QAM
	5G WLAN	802.11a/n(OFDM): BPSK, QPSK,16-QAM,64-QAM 802.11ac (OFDM): BPSK, QPSK,16-QAM,64-QAM,256-QAM 02.11ax (OFDM): BPSK, QPSK,16-QAM,64-QAM,256-QAM
	Bluetooth	BT(1Mbps): GFSK BT EDR(2Mbps): π/4-DQPSK BT EDR(3Mbps): 8DPSK
	BLE	GFSK
	GPS	BPSK
	FM	FM
	BDS	QPSK
	GLONASS	FDMA
	GALILEO	CBOC
	NFC	ASK
Power control level:	GSM900: 5, DCS1800: 0	
Power class:	GSM900: 4, GSM1800: 1	
Antenna Specification:	GSM/WCDMA/LTE/NR: PIFA Antenna Bluetooth: PIFA Antenna WLAN: PIFA Antenna FM: Earphone Antenna GNSS: PIFA Antenna	
Operating Mode:	Maximum continuous output	

1.2 Test Environment

Ambient conditions in the SAR laboratory:

Items	Required
Temperature (℃)	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	EN 50360: 2017	Product standard to demonstrate the compliance of wireless communication devices, with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 300 MHz to 6 GHz: devices used next to the ear
2	EN 50566: 2017	Product standard to demonstrate the compliance of wireless communication devices with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 30 MHz to 6 GHz: hand-held and body mounted devices in close proximity to the human body
3	EN IEC/IEEE 62209-1528: 2021	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)
4	EN 50663: 2017	Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10MHz to 300GHz)
5	EN 62479: 2010	Assessment of the compliance of low-power electronic and electrical equipment with the restrictions related to human exposure to electromagnetic fields (10MHz to 300 GHz)

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

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

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	2.0	4.0

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

Population/Uncontrolled Environments:
Are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

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

NOTE GENERAL POPULATION/UNCONTROLLED EXPOSURE PARTIAL BODY LIMIT 2.0 W/kg

3. SAR Measurement System

3.1 Definition of Specific Absorption Rate (SAR)

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

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

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

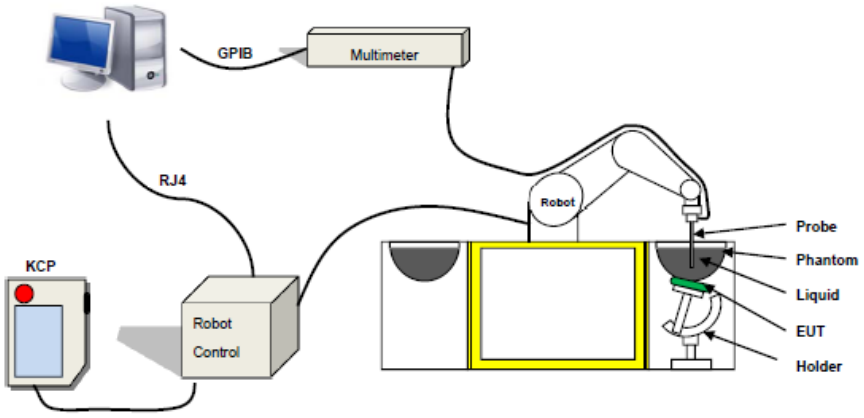
SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

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

Where: σ is the conductivity of the tissue;
ρ is the mass density of the tissue and E is the RMS electrical field strength.

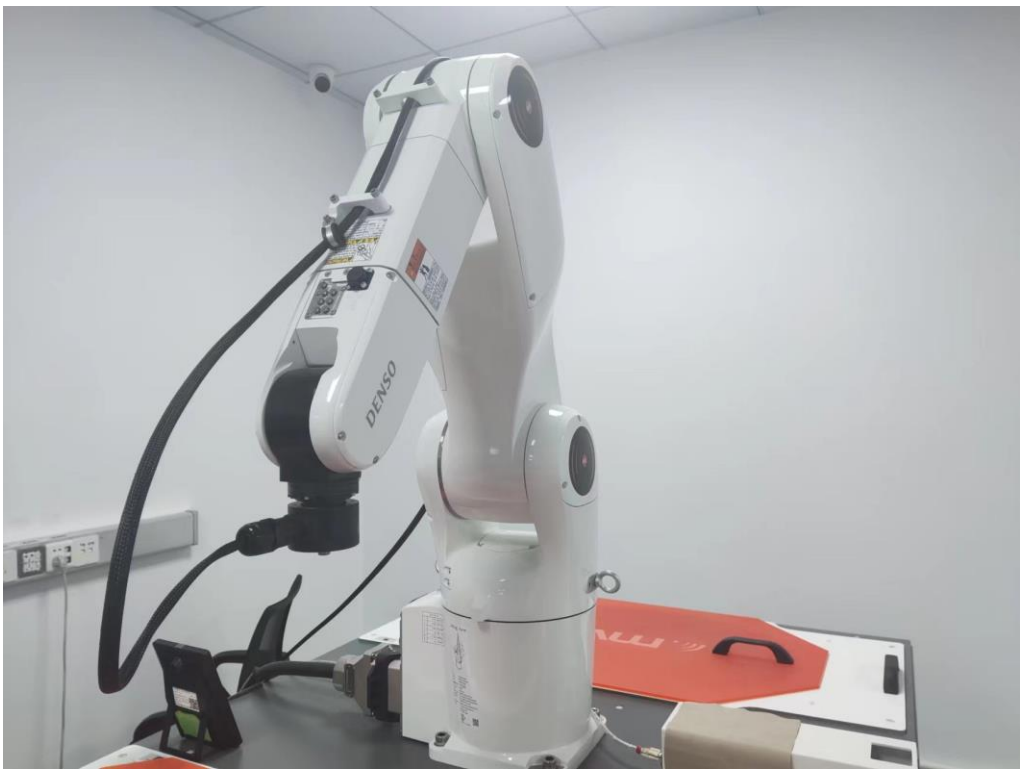
3.2 SAR System

MVG SAR System Diagram:



COMOSAR is a system that is able to determine the SAR distribution inside a phantom of human being according to different standards. The COMOSAR system consists of the following items:
- Main computer to control all the system
- 6 axis robot
- Data acquisition system
- Miniature E-field probe
- Phone holder
- Head simulating tissue

The following figure shows the system.



The EUT under test operating at the maximum power level is placed in the phone holder, under the phantom, which is filled with head simulating liquid. The E-Field probe measures the electric field inside the phantom. The Open SAR software computes the results to give a SAR value in a 1g or 10g mass.

3.2.1 Probe

For the measurements the Specific Dosimetric E-Field Probe SN 04/22 EPGO364 with following specifications is used
- Probe Length: 330 mm
- Length of Individual Dipoles: 2mm
- Maximum external diameter: 8 mm
- Probe Tip External Diameter: 2.5 mm
- Distance between dipole/probe extremity: 1 mm
- Dynamic range: 0.01-100 W/kg
- Probe linearity: 3%
- Axial Isotropy: < 0.10 dB
- Spherical Isotropy: < 0.10 dB
- Calibration range: 600 MHz to 6 GHz for head & body simulating liquid.
-Angle between probe axis (evaluation axis) and surface normal line: less than 30°

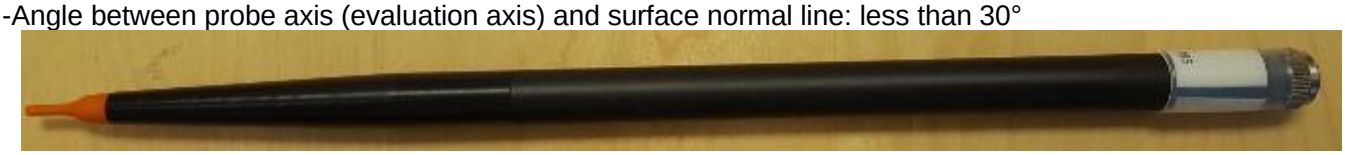


Figure 1-MVG COMOSAR Dosimetric E field Probe

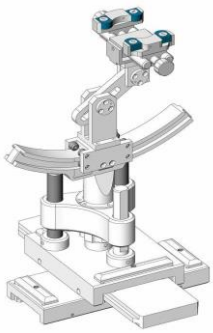
3.2.2 Phantom

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. It enables the dosimetric evaluation of left and right phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.

Figure-SN 06/22 SAM 148

Figure-SN 06/22 ELLI 51

3.2.3 Device Holder



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

4. Tissue Simulating Liquids

4.1 Simulating Liquids Parameter Check

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

The uncertainty due to the liquid conductivity and permittivity arises from two different sources. The first source of error is the deviation of the liquid conductivity from its target value (max _ 5 %) and the second source of error arises from the measurement procedures used to assess conductivity. The uncertainty shall be assessed using a rectangular probability For 10 g averaging, the maximum weighting coefficient for SAR is 0,5.

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

Frequency	εr	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

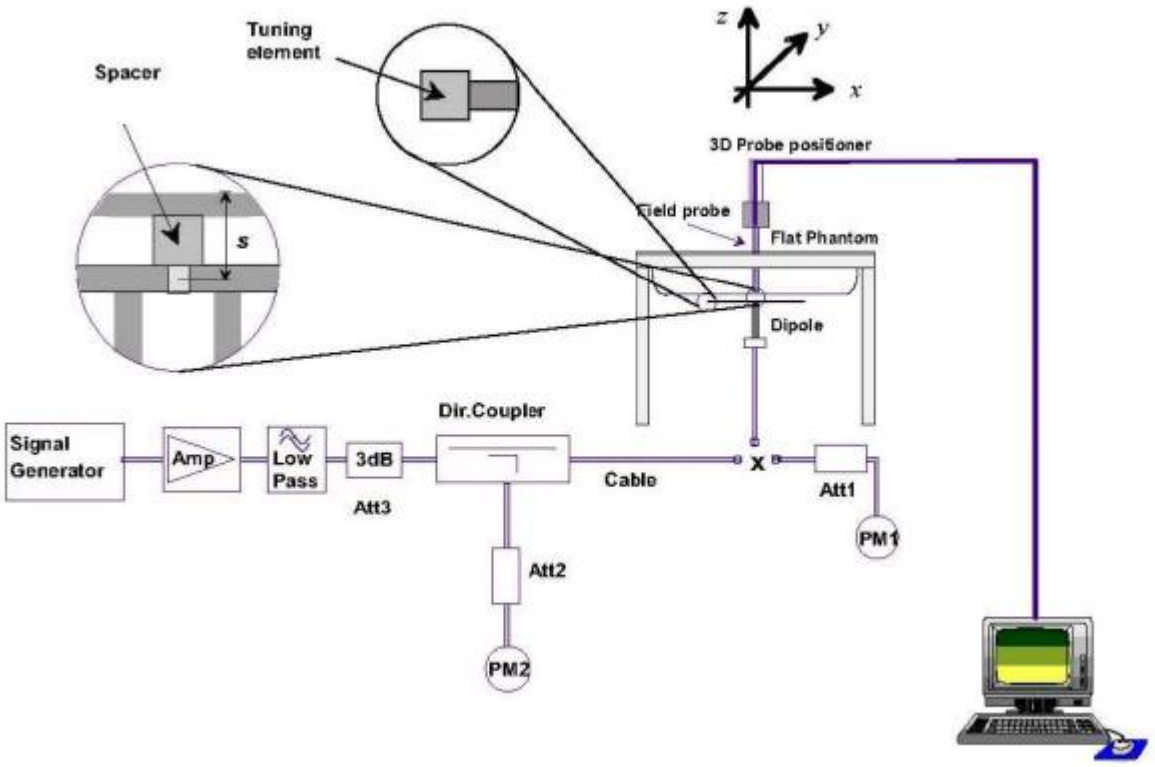
Date	Ambient		Simulating Liquid		Parameters	Target	Measured	Deviation %	Limited %
	Temp. [°C]	Humidity %	Frequency (MHz)	Temp. [°C]					
2023-10-16	21.4	46	750	21	Permittivity	41.90	42.26	0.86	±10
					Conductivity	0.89	0.91	2.25	±10
2023-09-29	20.8	58	835	20.5	Permittivity	41.50	41.33	-0.41	±10
					Conductivity	0.90	0.88	-2.22	±10
2023-10-01	22.2	47	835	22	Permittivity	41.50	41.08	-1.01	±10
					Conductivity	0.90	0.94	4.44	±10
2023-10-02	20.4	52	1800	20	Permittivity	40.00	40.75	1.88	±10
					Conductivity	1.40	1.41	0.71	±10
2023-10-18	21.2	58	1900	20.8	Permittivity	40.00	40.88	2.20	±10
					Conductivity	1.40	1.43	2.14	±10
2023-11-04	20.2	43	2000	19.9	Permittivity	40.00	40.30	0.75	±10
					Conductivity	1.40	1.45	3.57	±10
2023-10-23	23.7	49	2300	23.3	Permittivity	39.47	39.96	1.25	±10
					Conductivity	1.67	1.66	-0.40	±10
2023-10-24	20.5	45	2450	20.2	Permittivity	39.20	39.62	1.07	±10
					Conductivity	1.80	1.82	1.11	±10
2023-10-29	22.8	51	2450	22.5	Permittivity	39.20	40.00	2.04	±10
					Conductivity	1.80	1.75	-2.78	±10
2023-10-25	22.2	59	2600	21.9	Permittivity	39.00	39.09	0.23	±10
					Conductivity	1.96	1.95	-0.51	±10
2023-10-26	22.8	47	2600	22.5	Permittivity	39.00	39.83	2.13	±10
					Conductivity	1.96	2.01	2.55	±10
2023-10-27	22.8	60	3500	22.5	Permittivity	37.90	38.18	0.74	±10
					Conductivity	2.91	2.95	1.37	±10
2023-10-28	21	56	5200	20.7	Permittivity	36.00	37.03	2.86	±10
					Conductivity	4.66	4.64	-0.43	±10
2023-11-05	23.9	55	5200	23.6	Permittivity	36.00	36.91	2.53	±10
					Conductivity	4.66	4.64	-0.43	±10
2023-11-01	23.3	45	5300	23.1	Permittivity	35.90	36.10	0.56	±10
					Conductivity	4.76	4.84	1.68	±10
2023-11-06	21.5	52	5300	21.2	Permittivity	35.90	37.04	3.18	±10
					Conductivity	4.76	4.75	-0.21	±10
2023-11-02	21.6	57	5600	21.3	Permittivity	35.55	35.70	0.42	±10
					Conductivity	5.07	5.11	0.89	±10
2023-11-07	21.6	52	5600	21.3	Permittivity	35.55	36.05	1.41	±10
					Conductivity	5.07	5.04	-0.49	±10
2023-11-03	23.5	59	5800	23.2	Permittivity	35.30	36.74	4.08	±10
					Conductivity	5.27	5.30	0.57	±10
2023-11-08	20.7	60	5800	20.4	Permittivity	35.30	36.35	2.97	±10
					Conductivity	5.27	5.30	0.57	±10

5. SAR System Validation

5.1 Validation System

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

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



5.2 Validation Result

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

Date	Freq.	Power	Power drift	Tested Value	Normalized SAR	Target SAR	Tolerance
	(MHz)	(mW)	(%)	(W/Kg)	(W/kg)	10g(W/kg)	(%)
2023-10-16	750	100	2.03	0.548	5.48	5.40	1.48
2023-09-29	835	100	0.80	0.587	5.87	6.16	-4.71
2023-10-01	835	100	-1.85	0.585	5.85	6.16	-5.03
2023-10-02	1800	100	3.19	2.053	20.53	20.45	0.39
2023-10-18	1900	100	3.36	2.060	20.60	20.67	-0.34
2023-11-04	2000	100	0.33	2.064	20.64	20.89	-1.20
2023-10-23	2300	100	0.19	2.287	22.87	23.09	-0.95
2023-10-24	2450	100	3.22	2.471	24.71	23.71	4.22
2023-10-29	2450	100	-1.27	2.370	23.70	23.71	-0.04
2023-10-25	2600	100	0.56	2.387	23.87	24.15	-1.16
2023-10-26	2600	100	3.74	2.399	23.99	24.15	-0.66
2023-10-27	3500	100	-2.34	2.503	25.03	25.38	-1.38
2023-10-28	5200	100	-3.89	2.222	22.22	23.27	-4.51
2023-11-05	5200	100	0.96	2.316	23.16	23.27	-0.47
2023-11-01	5300	100	0.98	2.334	23.34	24.2	-3.55
2023-11-06	5300	100	-2.77	2.342	23.42	24.2	-3.22
2023-11-02	5600	100	-0.36	2.395	23.95	23.39	2.39
2023-11-07	5600	100	3.01	2.308	23.08	23.39	-1.33
2023-11-03	5800	100	-3.66	2.317	23.17	23.72	-2.32
2023-11-08	5800	100	0.04	2.295	22.95	23.72	-3.25

6. SAR Evaluation Procedures

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

-Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface.

-Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.

-Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.

-Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

Area Scan & Zoom Scan:

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

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

7. EUT Test Position

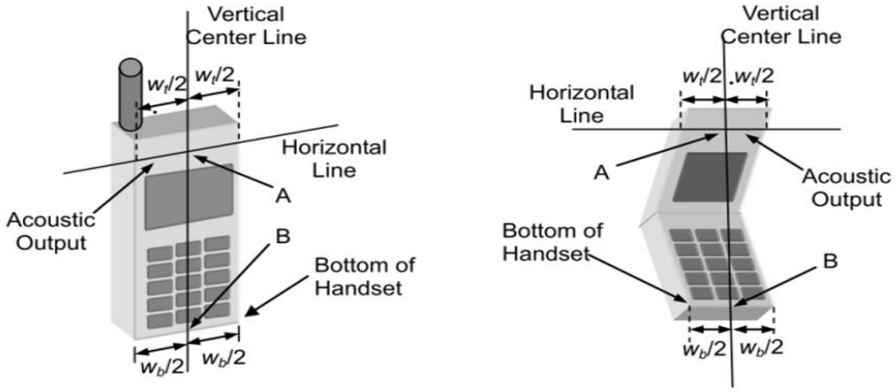
This EUT was tested in Right Cheek, Right Titled, Left Cheek, Left Titled, Front Face and Rear Face.

Define Two Imaginary Lines On The Handset:

1)The vertical centerline passes through two points on the front side of the handset the midpoint of the width wt of the handset at the level of the acoustic output, and the midpoint of the width wb of the handset.

2)The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.

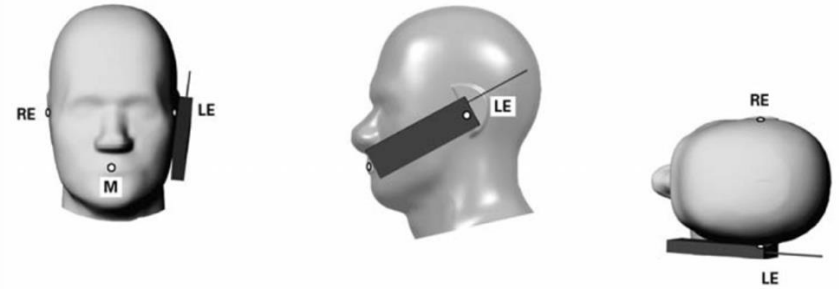
3)The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centerline is not necessarily to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.



7.1 Cheek Position

1) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the earpiece with the line RE-LE.

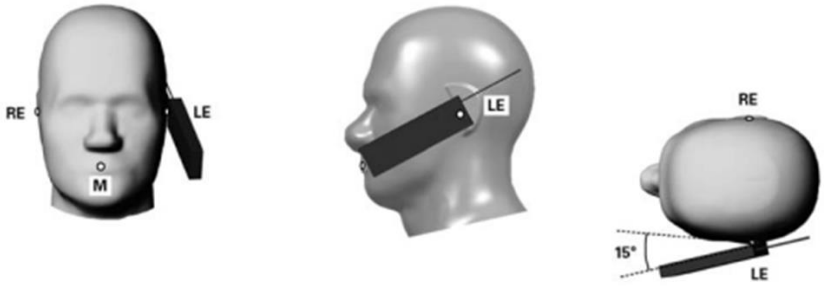
2) To move the device towards the phantom with the earpiece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost



7.2 Tilt Position

(1) To position the device in the “cheek” position described above.

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

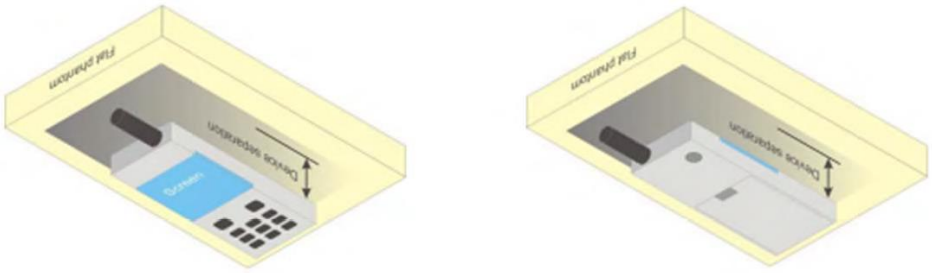


7.3 Body-worn Position Conditions

1) To position the EUT parallel to the phantom surface.

2) To adjust the EUT parallel to the flat phantom.

3) To adjust the distance between the EUT surface and the flat phantom to 5mm.



8. Uncertainty

8.1 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in EN/IEC IEE 62209-1528.This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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

9. Conducted Power Measurement

Test Result:

RF Output Power (dBm)						
Band	GSM 900			DCS 1800		
Channel	975	62	124	512	700	885
Frequency (MHz)	880.2	902.4	914.8	1710.2	1747.8	1784.8
GSM (GMSK, 1-Slot)	33.50	33.25	33.06	30.21	30.80	31.43

Frame- RF Output Power (dBm)						
Band	GSM 900			DCS 1800		
Channel	975	62	124	512	700	885
Frequency (MHz)	880.2	902.4	914.8	1710.2	1747.8	1784.8
GSM (GMSK, 1-Slot)	24.47	24.22	24.03	21.18	21.77	22.40

WCDMA

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

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

Band	WCDMA Band I			WCDMA Band VIII		
Channel	9612	9750	9888	2712	2787	2863
Frequency (MHz)	1922.4	1950	1977.6	882.4	897.4	912.6
RMC 12.2Kbps	24.63	24.50	24.30	24.61	24.66	24.59
HSDPA Subtest-1	23.59	23.49	23.34	24.60	24.66	24.50
HSDPA Subtest-2	23.30	23.13	22.93	24.57	24.67	24.51
HSDPA Subtest-3	22.39	21.79	21.50	24.61	24.66	24.50
HSDPA Subtest-4	22.14	22.01	21.81	24.60	24.66	24.50
HSUPA Subtest-1	23.42	23.25	23.08	22.47	23.52	23.37
HSUPA Subtest-2	23.43	23.17	23.14	23.39	23.53	23.49
HSUPA Subtest-3	22.43	21.93	22.00	21.96	22.48	22.30
HSUPA Subtest-4	23.59	23.47	23.32	23.62	23.68	23.54
HSUPA Subtest-5	22.74	22.73	22.36	22.11	22.92	22.94

WLAN (2.4G band)

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

Output power (dBm):

2.4GWIFI					
Mode	Channel Number	Frequency (MHz)	ANT 1	ANT 2	MIMO
			Output Power (dBm)	Output Power (dBm)	Output Power (dBm)
802.11b	1	2412	13.40	15.22	N/A
	7	2442	11.18	13.38	N/A
	13	2472	9.66	13.03	N/A
802.11g	1	2412	14.15	14.95	N/A
	7	2442	12.21	14.01	N/A
	13	2472	11.06	13.34	N/A
802.11n-HT20	1	2412	14.05	14.84	18.05
	7	2442	12.20	14.03	16.24
	13	2472	11.16	13.31	15.39
802.11n-HT40	3	2422	14.05	14.05	16.87
	7	2442	13.45	13.95	16.51
	11	2462	13.38	14.22	16.58
802.11ax-HE20	1	2412	14.30	15.02	17.81
	7	2442	12.40	14.16	16.45
	13	2472	11.35	13.50	15.61
802.11ax-HE40	3	2422	14.29	14.10	17.25
	7	2442	13.85	14.16	16.90
	11	2462	13.71	14.26	16.93

5.2GHz WLAN

5.2G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1	ANT 2	MIMO
			Output Power (dBm)	Output Power (dBm)	Output Power (dBm)
802.11a	36	5180	12.73	9.78	N/A
802.11n-HT20	36	5180	12.54	9.68	14.26
802.11n-HT40	38	5190	9.35	9.91	14.18
802.11ac80	42	5210	11.98	9.85	13.99
802.11ax80	42	5210	12.22	10.00	14.33

5.3GHz WLAN

5.3G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1	ANT 2	MIMO
			Output Power (dBm)	Output Power (dBm)	Output Power (dBm)
802.11a	64	5320	12.74	11.96	N/A
802.11n-HT20	64	5320	12.64	11.83	15.20
802.11n-HT40	62	5310	12.95	11.76	15.40
802.11ac80	58	5290	12.89	11.69	15.37
802.11ax80	58	5290	13.15	11.83	15.57

5.6G WLAN

5.6G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1	ANT 2	MIMO
			Output Power (dBm)	Output Power (dBm)	Output Power (dBm)
802.11a	100	5500	13.63	12.86	N/A
	140	5700	11.19	11.16	N/A
802.11n-HT20	100	5500	13.50	12.78	16.11
	140	5700	11.17	11.22	14.06
802.11n-HT40	102	5510	13.38	12.96	16.00
	134	5670	11.42	10.93	14.03
802.11ac80	106	5530	13.18	12.87	15.91
	122	5610	13.16	11.10	15.10
802.11ax80	106	5530	13.24	12.87	16.02
	122	5610	13.27	11.12	15.25

5.8G WLAN

5.6G WLAN					
Mode	Channel Number	Frequency (MHz)	ANT 1	ANT 2	MIMO
			Output Power (dBm)	Output Power (dBm)	Output Power (dBm)
802.11a	149	5745	11.91	10.62	N/A
	157	5785	12.69	10.45	N/A
	165	5825	12.06	10.23	N/A
802.11n-HT20	149	5745	11.59	10.50	13.39
	157	5785	11.92	12.27	13.43
	165	5825	12.11	10.17	13.50
802.11n-HT40	151	5755	12.04	10.54	13.64
	159	5795	12.17	10.44	13.83
802.11ac80	155	5775	8.46	5.45	13.52
802.11ax80	155	5775	8.75	5.66	13.85

Bluetooth

BT		
Mode	Output Power (dBm)	Output Power (mW)
GFSK(1Mbps)	5.09	3.23
QPSK(2Mbps)	2.63	1.83
8DPSK(3Mbps)	2.65	1.84

BLE

BLE		
Mode	Output Power (dBm)	Output Power (mW)
GFSK(1Mbps)	4.08	2.56
	2.68	1.85
	1.97	1.57
GFSK(2Mbps)	0.51	1.12
	-1.92	0.64
	-1.42	0.72

*Note: According to EN50663 and EN 62479, the available antenna power of this EUT BT is **5.09**dBm (**3.23**mW), this power is less than the defined low power exclusion level (Pmax: **20** mW), so BT do not need stand-alone SAR.*

Tune up power

Mode	GSM900(AVG)	GSM1800(AVG)
GSM/DCS	33±1dBm	30.5±1dBm

Mode	WCDMA Band I(AVG)	WCDMA Band VIII(AVG)
RMC	24±1dBm	24±1dBm
HSDPA Subtest-1	23±1dBm	24±1dBm
HSDPA Subtest-2	22.5±1dBm	24±1dBm
HSDPA Subtest-3	21.5±1dBm	24±1dBm
HSDPA Subtest-4	21.5±1dBm	24±1dBm
HSUPA Subtest-1	23±1dBm	23±1dBm
HSUPA Subtest-2	23±1dBm	23±1dBm
HSUPA Subtest-3	21.5±1dBm	22±1dBm
HSUPA Subtest-4	23±1dBm	23±1dBm
HSUPA Subtest-5	22±1dBm	22±1dBm

BW[MHz]	Mode	Band 1	Band 3	Band 7	Band 8	Band 20
1.4	QPSK	N/A	23.4±1dBm	N/A	23.8±1dBm	N/A
3	QPSK	N/A	N/A	N/A	N/A	N/A
5	QPSK	23.8±1dBm	23.4±1dBm	22.8±1dBm	23.8±1dBm	20.8±1dBm
10	QPSK	N/A	N/A	N/A	24±1dBm	N/A
20	QPSK	24±1dBm	24±1dBm	23±1dBm	N/A	21±1dBm

BW[MHz]	Mode	Band 28	Band 34	Band 38	Band 40	Band 42
1.4	QPSK	N/A	N/A	N/A	N/A	N/A
3	QPSK	24±1dBm	N/A	N/A	N/A	N/A
5	QPSK	24±1dBm	23.3±1dBm	22.8±1dBm	23.2±1dBm	21.3±1dBm
10	QPSK	N/A	N/A	N/A	N/A	N/A
20	QPSK	24±1dBm	23.5±1dBm	23±1dBm	23.5±1dBm	21.5±1dBm

BW[MHz]	Mode	N1	N3	N7	N8	N20	N28
5	DFT_BPSK	21.5±1dBm	21.5±1dBm	20.6±1dBm	21±1dBm	21±1dBm	21.5±1dBm
5	DFT_QPSK	21.5±1dBm	21.5±1dBm	20.6±1dBm	21±1dBm	21±1dBm	21.5±1dBm
15	DFT_BPSK	21.5±1dBm	21.5±1dBm	20.6±1dBm	21±1dBm	21±1dBm	21.5±1dBm
15	DFT_QPSK	21.5±1dBm	21.5±1dBm	20.6±1dBm	21±1dBm	21±1dBm	21.5±1dBm
20	DFT_BPSK	21.5±1dBm	N/A	20.6±1dBm	21±1dBm	21±1dBm	21.5±1dBm
20	DFT_QPSK	22±1dBm	N/A	21±1dBm	21.5±1dBm	21.5±1dBm	22±1dBm
30	DFT_BPSK	N/A	21±1dBm	N/A	N/A	N/A	N/A
30	DFT_QPSK	N/A	21±1dBm	N/A	N/A	N/A	N/A

BW[MHz]	Mode	N38	N40	N41	N77	N78
10	DFT_BPSK	20.5±1dBm	N/A	N/A	N/A	N/A
10	DFT_QPSK	20.5±1dBm	N/A	N/A	N/A	N/A
15	DFT_BPSK	20.5±1dBm	N/A	N/A	N/A	N/A
15	DFT_QPSK	20.5±1dBm	N/A	N/A	N/A	N/A
20	DFT_BPSK	20.5±1dBm	21±1dBm	21±1dBm	20±1dBm	20±1dBm
20	DFT_QPSK	21±1dBm	21±1dBm	21±1dBm	20±1dBm	20±1dBm
30	DFT_BPSK	N/A	N/A	N/A	N/A	N/A
30	DFT_QPSK	N/A	N/A	N/A	N/A	N/A
50	DFT_BPSK	N/A	22±1dBm	21±1dBm	N/A	N/A
50	DFT_QPSK	N/A	22±1dBm	21±1dBm	N/A	N/A
60	DFT_BPSK	N/A	N/A	N/A	20.7±1dBm	20.7±1dBm
60	DFT_QPSK	N/A	N/A	N/A	20.7±1dBm	20.7±1dBm
80	DFT_BPSK	N/A	22±1dBm	N/A	N/A	N/A
80	DFT_QPSK	N/A	22.5±1dBm	N/A	N/A	N/A
100	DFT_BPSK	N/A	N/A	22±1dBm	21±1dBm	21±1dBm
100	DFT_QPSK	N/A	N/A	22±1dBm	21±1dBm	21±1dBm

BW[MHz]	Mode	NSA N78+B1	NSA N78+B3
20	DFT_BPSK	21.5±1dBm	22±1dBm
20	DFT_QPSK	21.5±1dBm	22±1dBm
100	DFT_BPSK	21.5±1dBm	22.2±1dBm
100	DFT_QPSK	22±1dBm	22.5±1dBm

Mode	BT
GFSK	4.5±1dBm
π/4-DQPSK	2±1dBm
8DPSK	2±1dBm

Mode	BLE		
GFSK(1Mbps)	0	2402	3.5±1dBm
	19	2440	2±1dBm
	39	2480	1±1dBm
GFSK(2Mbps)	0	2402	0.5±1dBm
	19	2440	-1.5±1dBm
	39	2480	-1.5±1dBm

2.4G WLAN(AVG)			
Mode	ANT 1	ANT 2	MIMO
802.11b	12.5±1dBm	14.5±1dBm	N/A
802.11g	13.5±1dBm	14±1dBm	N/A
802.11n(HT20)	13.5±1dBm	14±1dBm	17.5±1dBm
802.11n(HT40)	13.5±1dBm	13.5±1dBm	16±1dBm
802.11ax(HE20)	13.5±1dBm	14.5±1dBm	17±1dBm
802.11ax(HE40)	13.5±1dBm	13.5±1dBm	16.5±1dBm

5.2G WLAN(AVG)			
Mode	ANT 1	ANT 2	MIMO
802.11a	12±1dBm	9±1dBm	N/A
802.11n-HT20	12±1dBm	9±1dBm	13.5±1dBm
802.11n-HT40	8.5±1dBm	9±1dBm	13.5±1dBm
802.11ac80	11±1dBm	9±1dBm	13±1dBm
802.11ax80	11.5±1dBm	9.5±1dBm	13.5±1dBm

5.3G WLAN(AVG)			
Mode	ANT 1	ANT 2	MIMO
802.11a	12±1dBm	11±1dBm	N/A
802.11n-HT20	12±1dBm	11±1dBm	14.5±1dBm
802.11n-HT40	12±1dBm	11±1dBm	14.5±1dBm
802.11ac80	12±1dBm	11±1dBm	14.5±1dBm
802.11ax80	12.5±1dBm	11±1dBm	15±1dBm

5.6G WLAN(AVG)			
Mode	ANT 1	ANT 2	MIMO
802.11a	13±1dBm	12±1dBm	N/A
802.11n-HT20	13±1dBm	12±1dBm	15.5±1dBm
802.11n-HT40	12.5±1dBm	12±1dBm	15.5±1dBm
802.11ac80	12.5±1dBm	12±1dBm	15±1dBm
802.11ax80	12.5±1dBm	12±1dBm	15.5±1dBm

5.8G WLAN(AVG)			
Mode	ANT 1	ANT 2	MIMO
802.11a	12±1dBm	10±1dBm	N/A
802.11n-HT20	11.5±1dBm	11.5±1dBm	13±1dBm
802.11n-HT40	11.5±1dBm	10±1dBm	13±1dBm
802.11ac80	8±1dBm	5±1dBm	13±1dBm
802.11ax80	8±1dBm	5±1dBm	13±1dBm

LTE output list

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Normal	Band1	5	18025	1	#0	QPSK	24.76	PASS
Normal	Band1	5	18025	1	#Max	QPSK	24.77	PASS
Normal	Band1	5	18025	8	#0	QPSK	24.65	PASS
Normal	Band1	5	18025	8	#Max	QPSK	24.62	PASS
Normal	Band1	5	18300	1	#0	QPSK	24.52	PASS
Normal	Band1	5	18300	1	#Max	QPSK	24.5	PASS
Normal	Band1	5	18300	8	#0	QPSK	24.56	PASS
Normal	Band1	5	18300	8	#Max	QPSK	24.51	PASS
Normal	Band1	5	18575	1	#0	QPSK	24.45	PASS
Normal	Band1	5	18575	1	#Max	QPSK	24.54	PASS
Normal	Band1	5	18575	8	#0	QPSK	24.48	PASS
Normal	Band1	5	18575	8	#Max	QPSK	24.45	PASS
Normal	Band1	20	18100	1	#0	QPSK	24.6	PASS
Normal	Band1	20	18100	1	#Max	QPSK	24.58	PASS
Normal	Band1	20	18100	18	#0	QPSK	24.47	PASS
Normal	Band1	20	18100	18	#Max	QPSK	24.45	PASS
Normal	Band1	20	18300	1	#0	QPSK	24.5	PASS
Normal	Band1	20	18300	1	#Max	QPSK	24.39	PASS
Normal	Band1	20	18300	18	#0	QPSK	24.41	PASS
Normal	Band1	20	18300	18	#Max	QPSK	24.3	PASS
Normal	Band1	20	18500	1	#0	QPSK	24.14	PASS
Normal	Band1	20	18500	1	#Max	QPSK	24.21	PASS
Normal	Band1	20	18500	18	#0	QPSK	24.34	PASS
Normal	Band1	20	18500	18	#Max	QPSK	24.34	PASS

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Normal	Band3	1.4	19207	1	#0	QPSK	23.61	PASS
Normal	Band3	1.4	19207	1	#Max	QPSK	23.6	PASS
Normal	Band3	1.4	19207	5	#0	QPSK	23.53	PASS
Normal	Band3	1.4	19207	5	#Max	QPSK	23.53	PASS
Normal	Band3	1.4	19575	1	#0	QPSK	24.26	PASS
Normal	Band3	1.4	19575	1	#Max	QPSK	24.14	PASS
Normal	Band3	1.4	19575	5	#0	QPSK	24.29	PASS
Normal	Band3	1.4	19575	5	#Max	QPSK	24.27	PASS
Normal	Band3	1.4	19943	1	#0	QPSK	22.75	PASS
Normal	Band3	1.4	19943	1	#Max	QPSK	22.65	PASS
Normal	Band3	1.4	19943	5	#0	QPSK	22.68	PASS
Normal	Band3	1.4	19943	5	#Max	QPSK	22.65	PASS
Normal	Band3	5	19225	1	#0	QPSK	23.46	PASS
Normal	Band3	5	19225	1	#Max	QPSK	23.38	PASS
Normal	Band3	5	19225	8	#0	QPSK	23.49	PASS
Normal	Band3	5	19225	8	#Max	QPSK	23.42	PASS
Normal	Band3	5	19575	1	#0	QPSK	24.31	PASS
Normal	Band3	5	19575	1	#Max	QPSK	23.78	PASS
Normal	Band3	5	19575	8	#0	QPSK	24.25	PASS
Normal	Band3	5	19575	8	#Max	QPSK	23.85	PASS
Normal	Band3	5	19925	1	#0	QPSK	22.46	PASS
Normal	Band3	5	19925	1	#Max	QPSK	22.23	PASS
Normal	Band3	5	19925	8	#0	QPSK	22.41	PASS
Normal	Band3	5	19925	8	#Max	QPSK	22.32	PASS
Normal	Band3	20	19300	1	#0	QPSK	23.29	PASS
Normal	Band3	20	19300	1	#Max	QPSK	22.53	PASS
Normal	Band3	20	19300	18	#0	QPSK	23.49	PASS
Normal	Band3	20	19300	18	#Max	QPSK	22.6	PASS
Normal	Band3	20	19575	1	#0	QPSK	23.49	PASS
Normal	Band3	20	19575	1	#Max	QPSK	23.05	PASS
Normal	Band3	20	19575	18	#0	QPSK	23.74	PASS
Normal	Band3	20	19575	18	#Max	QPSK	23.25	PASS
Normal	Band3	20	19850	1	#0	QPSK	23.23	PASS
Normal	Band3	20	19850	1	#Max	QPSK	22.42	PASS
Normal	Band3	20	19850	18	#0	QPSK	23.55	PASS
Normal	Band3	20	19850	18	#Max	QPSK	22.41	PASS

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Normal	Band7	5	20775	1	#0	QPSK	23.58	PASS
Normal	Band7	5	20775	1	#Max	QPSK	23.64	PASS
Normal	Band7	5	20775	8	#0	QPSK	23.55	PASS
Normal	Band7	5	20775	8	#Max	QPSK	23.53	PASS
Normal	Band7	5	21100	1	#0	QPSK	23.4	PASS
Normal	Band7	5	21100	1	#Max	QPSK	23.4	PASS
Normal	Band7	5	21100	8	#0	QPSK	23.48	PASS
Normal	Band7	5	21100	8	#Max	QPSK	23.39	PASS
Normal	Band7	5	21425	1	#0	QPSK	21.65	PASS
Normal	Band7	5	21425	1	#Max	QPSK	19.4	PASS
Normal	Band7	5	21425	8	#0	QPSK	21.36	PASS
Normal	Band7	5	21425	8	#Max	QPSK	19.67	PASS
Normal	Band7	20	20850	1	#0	QPSK	23.42	PASS
Normal	Band7	20	20850	1	#Max	QPSK	23.47	PASS
Normal	Band7	20	20850	18	#0	QPSK	23.32	PASS
Normal	Band7	20	20850	18	#Max	QPSK	23.27	PASS
Normal	Band7	20	21100	1	#0	QPSK	23.19	PASS
Normal	Band7	20	21100	1	#Max	QPSK	23.25	PASS
Normal	Band7	20	21100	18	#0	QPSK	23.18	PASS
Normal	Band7	20	21100	18	#Max	QPSK	23.23	PASS
Normal	Band7	20	21350	1	#0	QPSK	22.92	PASS
Normal	Band7	20	21350	1	#Max	QPSK	19.83	PASS
Normal	Band7	20	21350	18	#0	QPSK	23.08	PASS
Normal	Band7	20	21350	18	#Max	QPSK	20.62	PASS

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Normal	Band8	1.4	21457	1	#0	QPSK	24.49	PASS
Normal	Band8	1.4	21457	1	#Max	QPSK	24.51	PASS
Normal	Band8	1.4	21457	5	#0	QPSK	24.53	PASS
Normal	Band8	1.4	21457	5	#Max	QPSK	24.53	PASS
Normal	Band8	1.4	21625	1	#0	QPSK	24.44	PASS
Normal	Band8	1.4	21625	1	#Max	QPSK	24.44	PASS
Normal	Band8	1.4	21625	5	#0	QPSK	24.54	PASS
Normal	Band8	1.4	21625	5	#Max	QPSK	24.55	PASS
Normal	Band8	1.4	21793	1	#0	QPSK	24.19	PASS
Normal	Band8	1.4	21793	1	#Max	QPSK	22.58	PASS
Normal	Band8	1.4	21793	5	#0	QPSK	23.4	PASS
Normal	Band8	1.4	21793	5	#Max	QPSK	23.06	PASS
Normal	Band8	5	21475	1	#0	QPSK	24.59	PASS
Normal	Band8	5	21475	1	#Max	QPSK	24.71	PASS
Normal	Band8	5	21475	8	#0	QPSK	24.56	PASS
Normal	Band8	5	21475	8	#Max	QPSK	24.58	PASS
Normal	Band8	5	21625	1	#0	QPSK	24.68	PASS
Normal	Band8	5	21625	1	#Max	QPSK	24.62	PASS
Normal	Band8	5	21625	8	#0	QPSK	24.7	PASS
Normal	Band8	5	21625	8	#Max	QPSK	24.53	PASS
Normal	Band8	5	21775	1	#0	QPSK	24.39	PASS
Normal	Band8	5	21775	1	#Max	QPSK	23.12	PASS
Normal	Band8	5	21775	8	#0	QPSK	24.5	PASS
Normal	Band8	5	21775	8	#Max	QPSK	24.04	PASS
Normal	Band8	10	21500	1	#0	QPSK	24.53	PASS
Normal	Band8	10	21500	1	#Max	QPSK	24.69	PASS
Normal	Band8	10	21500	12	#0	QPSK	24.51	PASS
Normal	Band8	10	21500	12	#Max	QPSK	24.62	PASS
Normal	Band8	10	21625	1	#0	QPSK	24.57	PASS
Normal	Band8	10	21625	1	#Max	QPSK	24.55	PASS
Normal	Band8	10	21625	12	#0	QPSK	24.57	PASS
Normal	Band8	10	21625	12	#Max	QPSK	24.51	PASS
Normal	Band8	10	21750	1	#0	QPSK	24.4	PASS
Normal	Band8	10	21750	1	#Max	QPSK	23.92	PASS
Normal	Band8	10	21750	12	#0	QPSK	24.45	PASS
Normal	Band8	10	21750	12	#Max	QPSK	24.3	PASS

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Normal	Band20	5	24175	1	#0	QPSK	21.17	PASS
Normal	Band20	5	24175	1	#Max	QPSK	21.41	PASS
Normal	Band20	5	24175	8	#0	QPSK	21.09	PASS
Normal	Band20	5	24175	8	#Max	QPSK	21.3	PASS
Normal	Band20	5	24300	1	#0	QPSK	21.56	PASS
Normal	Band20	5	24300	1	#Max	QPSK	21.56	PASS
Normal	Band20	5	24300	8	#0	QPSK	21.54	PASS
Normal	Band20	5	24300	8	#Max	QPSK	21.65	PASS
Normal	Band20	5	24425	1	#0	QPSK	21.42	PASS
Normal	Band20	5	24425	1	#Max	QPSK	21.34	PASS
Normal	Band20	5	24425	8	#0	QPSK	21.4	PASS
Normal	Band20	5	24425	8	#Max	QPSK	21.37	PASS
Normal	Band20	20	24250	1	#0	QPSK	21.09	PASS
Normal	Band20	20	24250	1	#Max	QPSK	21.52	PASS
Normal	Band20	20	24250	18	#0	QPSK	21.03	PASS
Normal	Band20	20	24250	18	#Max	QPSK	21.59	PASS
Normal	Band20	20	24300	1	#0	QPSK	21.35	PASS
Normal	Band20	20	24300	1	#Max	QPSK	21.49	PASS
Normal	Band20	20	24300	18	#0	QPSK	21.34	PASS
Normal	Band20	20	24300	18	#Max	QPSK	21.36	PASS
Normal	Band20	20	24350	1	#0	QPSK	21.41	PASS
Normal	Band20	20	24350	1	#Max	QPSK	21.32	PASS
Normal	Band20	20	24350	18	#0	QPSK	21.4	PASS
Normal	Band20	20	24350	18	#Max	QPSK	21.32	PASS

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Normal	Band28	3	27225	1	#0	QPSK	24.38	PASS
Normal	Band28	3	27225	1	#Max	QPSK	24.42	PASS
Normal	Band28	3	27225	4	#0	QPSK	24.31	PASS
Normal	Band28	3	27225	4	#Max	QPSK	24.4	PASS
Normal	Band28	3	27435	1	#0	QPSK	24.47	PASS
Normal	Band28	3	27435	1	#Max	QPSK	24.42	PASS
Normal	Band28	3	27435	4	#0	QPSK	24.5	PASS
Normal	Band28	3	27435	4	#Max	QPSK	24.47	PASS
Normal	Band28	3	27645	1	#0	QPSK	24.19	PASS
Normal	Band28	3	27645	1	#Max	QPSK	24.22	PASS
Normal	Band28	3	27645	4	#0	QPSK	24.17	PASS
Normal	Band28	3	27645	4	#Max	QPSK	24.15	PASS
Normal	Band28	5	27235	1	#0	QPSK	24.44	PASS
Normal	Band28	5	27235	1	#Max	QPSK	24.59	PASS
Normal	Band28	5	27235	8	#0	QPSK	24.44	PASS
Normal	Band28	5	27235	8	#Max	QPSK	24.46	PASS
Normal	Band28	5	27435	1	#0	QPSK	24.58	PASS
Normal	Band28	5	27435	1	#Max	QPSK	24.51	PASS
Normal	Band28	5	27435	8	#0	QPSK	24.54	PASS
Normal	Band28	5	27435	8	#Max	QPSK	24.56	PASS
Normal	Band28	5	27635	1	#0	QPSK	24.2	PASS
Normal	Band28	5	27635	1	#Max	QPSK	24.28	PASS
Normal	Band28	5	27635	8	#0	QPSK	24.25	PASS
Normal	Band28	5	27635	8	#Max	QPSK	24.28	PASS
Normal	Band28	20	27310	1	#0	QPSK	24.26	PASS
Normal	Band28	20	27310	1	#Max	QPSK	24.66	PASS
Normal	Band28	20	27310	18	#0	QPSK	24.23	PASS
Normal	Band28	20	27310	18	#Max	QPSK	24.65	PASS
Normal	Band28	20	27435	1	#0	QPSK	24.45	PASS
Normal	Band28	20	27435	1	#Max	QPSK	24.37	PASS
Normal	Band28	20	27435	18	#0	QPSK	24.49	PASS
Normal	Band28	20	27435	18	#Max	QPSK	24.33	PASS
Normal	Band28	20	27560	1	#0	QPSK	24.19	PASS
Normal	Band28	20	27560	1	#Max	QPSK	24.14	PASS
Normal	Band28	20	27560	18	#0	QPSK	24.25	PASS
Normal	Band28	20	27560	18	#Max	QPSK	24.26	PASS

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Normal	Band34	5	36225	1	#0	QPSK	24.11	PASS
Normal	Band34	5	36225	1	#Max	QPSK	23.86	PASS
Normal	Band34	5	36225	8	#0	QPSK	24.15	PASS
Normal	Band34	5	36225	8	#Max	QPSK	23.9	PASS
Normal	Band34	5	36275	1	#0	QPSK	24.07	PASS
Normal	Band34	5	36275	1	#Max	QPSK	23.75	PASS
Normal	Band34	5	36275	8	#0	QPSK	24.13	PASS
Normal	Band34	5	36275	8	#Max	QPSK	23.87	PASS
Normal	Band34	5	36325	1	#0	QPSK	24.24	PASS
Normal	Band34	5	36325	1	#Max	QPSK	23.87	PASS
Normal	Band34	5	36325	8	#0	QPSK	24.15	PASS
Normal	Band34	5	36325	8	#Max	QPSK	23.91	PASS
Normal	Band34	15	36275	1	#0	QPSK	24.12	PASS
Normal	Band34	15	36275	1	#Max	QPSK	24.1	PASS
Normal	Band34	15	36275	16	#0	QPSK	24.08	PASS
Normal	Band34	15	36275	16	#Max	QPSK	24.12	PASS

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Normal	Band38	5	37775	1	#0	QPSK	23.84	PASS
Normal	Band38	5	37775	1	#Max	QPSK	23.93	PASS
Normal	Band38	5	37775	8	#0	QPSK	23.67	PASS
Normal	Band38	5	37775	8	#Max	QPSK	23.69	PASS
Normal	Band38	5	38000	1	#0	QPSK	23.33	PASS
Normal	Band38	5	38000	1	#Max	QPSK	23.2	PASS
Normal	Band38	5	38000	8	#0	QPSK	23.37	PASS
Normal	Band38	5	38000	8	#Max	QPSK	23.25	PASS
Normal	Band38	5	38225	1	#0	QPSK	22.87	PASS
Normal	Band38	5	38225	1	#Max	QPSK	22.96	PASS
Normal	Band38	5	38225	8	#0	QPSK	23.02	PASS
Normal	Band38	5	38225	8	#Max	QPSK	23.11	PASS
Normal	Band38	20	37850	1	#0	QPSK	23.44	PASS
Normal	Band38	20	37850	1	#Max	QPSK	23.4	PASS
Normal	Band38	20	37850	18	#0	QPSK	23.5	PASS
Normal	Band38	20	37850	18	#Max	QPSK	23.42	PASS
Normal	Band38	20	38000	1	#0	QPSK	23.45	PASS
Normal	Band38	20	38000	1	#Max	QPSK	23	PASS
Normal	Band38	20	38000	18	#0	QPSK	23.44	PASS
Normal	Band38	20	38000	18	#Max	QPSK	23.05	PASS
Normal	Band38	20	38150	1	#0	QPSK	22.86	PASS
Normal	Band38	20	38150	1	#Max	QPSK	22.85	PASS
Normal	Band38	20	38150	18	#0	QPSK	22.98	PASS
Normal	Band38	20	38150	18	#Max	QPSK	22.94	PASS

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Normal	Band40	5	38675	1	#0	QPSK	23.51	PASS
Normal	Band40	5	38675	1	#Max	QPSK	23.51	PASS
Normal	Band40	5	38675	8	#0	QPSK	23.52	PASS
Normal	Band40	5	38675	8	#Max	QPSK	23.49	PASS
Normal	Band40	5	39150	1	#0	QPSK	23.75	PASS
Normal	Band40	5	39150	1	#Max	QPSK	23.78	PASS
Normal	Band40	5	39150	8	#0	QPSK	23.81	PASS
Normal	Band40	5	39150	8	#Max	QPSK	23.85	PASS
Normal	Band40	5	39625	1	#0	QPSK	23.98	PASS
Normal	Band40	5	39625	1	#Max	QPSK	24.07	PASS
Normal	Band40	5	39625	8	#0	QPSK	23.8	PASS
Normal	Band40	5	39625	8	#Max	QPSK	23.81	PASS
Normal	Band40	20	38750	1	#0	QPSK	23.33	PASS
Normal	Band40	20	38750	1	#Max	QPSK	23.67	PASS
Normal	Band40	20	38750	18	#0	QPSK	23.35	PASS
Normal	Band40	20	38750	18	#Max	QPSK	23.63	PASS
Normal	Band40	20	39150	1	#0	QPSK	23.78	PASS
Normal	Band40	20	39150	1	#Max	QPSK	23.79	PASS
Normal	Band40	20	39150	18	#0	QPSK	23.7	PASS
Normal	Band40	20	39150	18	#Max	QPSK	23.75	PASS
Normal	Band40	20	39550	1	#0	QPSK	23.74	PASS
Normal	Band40	20	39550	1	#Max	QPSK	23.74	PASS
Normal	Band40	20	39550	18	#0	QPSK	23.79	PASS
Normal	Band40	20	39550	18	#Max	QPSK	23.76	PASS

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Normal	Band42	5	41615	1	#0	QPSK	21.86	PASS
Normal	Band42	5	41615	1	#Max	QPSK	21.79	PASS
Normal	Band42	5	41615	8	#0	QPSK	21.85	PASS
Normal	Band42	5	41615	8	#Max	QPSK	21.78	PASS
Normal	Band42	5	42590	1	#0	QPSK	21.97	PASS
Normal	Band42	5	42590	1	#Max	QPSK	21.98	PASS
Normal	Band42	5	42590	8	#0	QPSK	22.01	PASS
Normal	Band42	5	42590	8	#Max	QPSK	22.01	PASS
Normal	Band42	5	43565	1	#0	QPSK	21.81	PASS
Normal	Band42	5	43565	1	#Max	QPSK	21.77	PASS
Normal	Band42	5	43565	8	#0	QPSK	21.77	PASS
Normal	Band42	5	43565	8	#Max	QPSK	21.69	PASS
Normal	Band42	20	41690	1	#0	QPSK	21.76	PASS
Normal	Band42	20	41690	1	#Max	QPSK	21.38	PASS
Normal	Band42	20	41690	18	#0	QPSK	21.72	PASS
Normal	Band42	20	41690	18	#Max	QPSK	21.41	PASS
Normal	Band42	20	42590	1	#0	QPSK	21.77	PASS
Normal	Band42	20	42590	1	#Max	QPSK	21.77	PASS
Normal	Band42	20	42590	18	#0	QPSK	21.78	PASS
Normal	Band42	20	42590	18	#Max	QPSK	21.75	PASS
Normal	Band42	20	43490	1	#0	QPSK	21.66	PASS
Normal	Band42	20	43490	1	#Max	QPSK	21.5	PASS
Normal	Band42	20	43490	18	#0	QPSK	21.66	PASS
Normal	Band42	20	43490	18	#Max	QPSK	21.53	PASS

SA output list

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Verdict
n1	15	5	384500	12@6	DFT_BPSK	22.05	PASS
n1	15	5	384500	1@1	DFT_BPSK	22.14	PASS
n1	15	5	384500	1@23	DFT_BPSK	21.71	PASS
n1	15	5	384500	12@6	DFT_QPSK	22.02	PASS
n1	15	5	384500	1@1	DFT_QPSK	22.09	PASS
n1	15	5	384500	1@23	DFT_QPSK	21.66	PASS
n1	15	5	390000	12@6	DFT_BPSK	22.28	PASS
n1	15	5	390000	1@1	DFT_BPSK	21.75	PASS
n1	15	5	390000	1@23	DFT_BPSK	22.1	PASS
n1	15	5	390000	12@6	DFT_QPSK	21.87	PASS
n1	15	5	390000	1@1	DFT_QPSK	22.24	PASS
n1	15	5	390000	1@23	DFT_QPSK	21.7	PASS
n1	15	5	395500	12@6	DFT_BPSK	22.05	PASS
n1	15	5	395500	1@1	DFT_BPSK	21.56	PASS
n1	15	5	395500	1@23	DFT_BPSK	21.77	PASS
n1	15	5	395500	12@6	DFT_QPSK	22.03	PASS
n1	15	5	395500	1@1	DFT_QPSK	22.01	PASS
n1	15	5	395500	1@23	DFT_QPSK	21.71	PASS
n1	15	15	385500	36@18	DFT_BPSK	22.3	PASS
n1	15	15	385500	1@1	DFT_BPSK	22.18	PASS
n1	15	15	385500	1@77	DFT_BPSK	22.42	PASS
n1	15	15	385500	36@18	DFT_QPSK	22.25	PASS
n1	15	15	385500	1@1	DFT_QPSK	22.12	PASS
n1	15	15	385500	1@77	DFT_QPSK	22.44	PASS
n1	15	15	390000	36@18	DFT_BPSK	22.31	PASS
n1	15	15	390000	1@1	DFT_BPSK	22.26	PASS
n1	15	15	390000	1@77	DFT_BPSK	22.13	PASS
n1	15	15	390000	36@18	DFT_QPSK	22.25	PASS
n1	15	15	390000	1@1	DFT_QPSK	22.29	PASS
n1	15	15	390000	1@77	DFT_QPSK	22.1	PASS
n1	15	15	394500	36@18	DFT_BPSK	22.06	PASS
n1	15	15	394500	1@1	DFT_BPSK	21.96	PASS
n1	15	15	394500	1@77	DFT_BPSK	21.57	PASS
n1	15	15	394500	36@18	DFT_QPSK	21.67	PASS
n1	15	15	394500	1@1	DFT_QPSK	21.63	PASS
n1	15	15	394500	1@77	DFT_QPSK	22.04	PASS
n1	15	20	386000	50@25	DFT_BPSK	22.29	PASS
n1	15	20	386000	1@1	DFT_BPSK	21.89	PASS
n1	15	20	386000	1@104	DFT_BPSK	22.31	PASS
n1	15	20	386000	50@25	DFT_QPSK	21.8	PASS
n1	15	20	386000	1@1	DFT_QPSK	21.85	PASS
n1	15	20	386000	1@104	DFT_QPSK	21.89	PASS
n1	15	20	390000	50@25	DFT_BPSK	22.33	PASS
n1	15	20	390000	1@1	DFT_BPSK	22.19	PASS

n1	15	20	390000	1@104	DFT_BPSK	22.05	PASS
n1	15	20	390000	50@25	DFT_QPSK	22.34	PASS
n1	15	20	390000	1@1	DFT_QPSK	22.23	PASS
n1	15	20	390000	1@104	DFT_QPSK	22.04	PASS
n1	15	20	394000	50@25	DFT_BPSK	22.11	PASS
n1	15	20	394000	1@1	DFT_BPSK	21.89	PASS
n1	15	20	394000	1@104	DFT_BPSK	21.94	PASS
n1	15	20	394000	50@25	DFT_QPSK	22.09	PASS
n1	15	20	394000	1@1	DFT_QPSK	21.5	PASS
n1	15	20	394000	1@104	DFT_QPSK	21.88	PASS

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Verdict
n3	15	5	342500	12@6	DFT_BPSK	21.6	PASS
n3	15	5	342500	1@1	DFT_BPSK	21.7	PASS
n3	15	5	342500	1@23	DFT_BPSK	21.65	PASS
n3	15	5	342500	12@6	DFT_QPSK	21.58	PASS
n3	15	5	342500	1@1	DFT_QPSK	21.65	PASS
n3	15	5	342500	1@23	DFT_QPSK	22.1	PASS
n3	15	5	349500	12@6	DFT_BPSK	22.15	PASS
n3	15	5	349500	1@1	DFT_BPSK	22.06	PASS
n3	15	5	349500	1@23	DFT_BPSK	21.98	PASS
n3	15	5	349500	12@6	DFT_QPSK	22.18	PASS
n3	15	5	349500	1@1	DFT_QPSK	22.09	PASS
n3	15	5	349500	1@23	DFT_QPSK	21.99	PASS
n3	15	5	356500	12@6	DFT_BPSK	21.21	PASS
n3	15	5	356500	1@1	DFT_BPSK	21.65	PASS
n3	15	5	356500	1@23	DFT_BPSK	20.79	PASS
n3	15	5	356500	12@6	DFT_QPSK	21.15	PASS
n3	15	5	356500	1@1	DFT_QPSK	21.57	PASS
n3	15	5	356500	1@23	DFT_QPSK	20.72	PASS
n3	15	15	343500	36@18	DFT_BPSK	22.19	PASS
n3	15	15	343500	1@1	DFT_BPSK	21.76	PASS
n3	15	15	343500	1@77	DFT_BPSK	22.17	PASS
n3	15	15	343500	36@18	DFT_QPSK	22.18	PASS
n3	15	15	343500	1@1	DFT_QPSK	21.69	PASS
n3	15	15	343500	1@77	DFT_QPSK	22.12	PASS
n3	15	15	349500	36@18	DFT_BPSK	22.14	PASS
n3	15	15	349500	1@1	DFT_BPSK	22	PASS
n3	15	15	349500	1@77	DFT_BPSK	22.02	PASS
n3	15	15	349500	36@18	DFT_QPSK	22.08	PASS
n3	15	15	349500	1@1	DFT_QPSK	21.92	PASS
n3	15	15	349500	1@77	DFT_QPSK	21.94	PASS
n3	15	15	355500	36@18	DFT_BPSK	22.09	PASS
n3	15	15	355500	1@1	DFT_BPSK	21.91	PASS
n3	15	15	355500	1@77	DFT_BPSK	21.31	PASS
n3	15	15	355500	36@18	DFT_QPSK	22.11	PASS
n3	15	15	355500	1@1	DFT_QPSK	21.98	PASS
n3	15	15	355500	1@77	DFT_QPSK	21.22	PASS
n3	15	30	345000	80@40	DFT_BPSK	21.75	PASS
n3	15	30	345000	1@1	DFT_BPSK	21.41	PASS
n3	15	30	345000	1@158	DFT_BPSK	21.46	PASS
n3	15	30	345000	80@40	DFT_QPSK	21.74	PASS
n3	15	30	345000	1@1	DFT_QPSK	21.34	PASS
n3	15	30	345000	1@158	DFT_QPSK	20.91	PASS
n3	15	30	349500	80@40	DFT_BPSK	22.78	PASS
n3	15	30	349500	1@1	DFT_BPSK	20.99	PASS

n3	15	30	349500	1@158	DFT_BPSK	21.46	PASS
n3	15	30	349500	80@40	DFT_QPSK	22.72	PASS
n3	15	30	349500	1@1	DFT_QPSK	20.91	PASS
n3	15	30	349500	1@158	DFT_QPSK	21.36	PASS
n3	15	30	354000	80@40	DFT_BPSK	22.06	PASS
n3	15	30	354000	1@1	DFT_BPSK	22.4	PASS
n3	15	30	354000	1@158	DFT_BPSK	20.85	PASS
n3	15	30	354000	80@40	DFT_QPSK	22.01	PASS
n3	15	30	354000	1@1	DFT_QPSK	22.32	PASS
n3	15	30	354000	1@158	DFT_QPSK	20.76	PASS

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Verdict
n7	15	5	500500	12@6	DFT_BPSK	21.48	PASS
n7	15	5	500500	1@1	DFT_BPSK	21.38	PASS
n7	15	5	500500	1@23	DFT_BPSK	21.32	PASS
n7	15	5	500500	12@6	DFT_QPSK	21.53	PASS
n7	15	5	500500	1@1	DFT_QPSK	21.33	PASS
n7	15	5	500500	1@23	DFT_QPSK	21.28	PASS
n7	15	5	507000	12@6	DFT_BPSK	21.47	PASS
n7	15	5	507000	1@1	DFT_BPSK	21.36	PASS
n7	15	5	507000	1@23	DFT_BPSK	21.34	PASS
n7	15	5	507000	12@6	DFT_QPSK	21.46	PASS
n7	15	5	507000	1@1	DFT_QPSK	21.29	PASS
n7	15	5	507000	1@23	DFT_QPSK	21.24	PASS
n7	15	5	513500	12@6	DFT_BPSK	21.34	PASS
n7	15	5	513500	1@1	DFT_BPSK	21.26	PASS
n7	15	5	513500	1@23	DFT_BPSK	21.22	PASS
n7	15	5	513500	12@6	DFT_QPSK	21.37	PASS
n7	15	5	513500	1@1	DFT_QPSK	21.17	PASS
n7	15	5	513500	1@23	DFT_QPSK	21.37	PASS
n7	15	15	501500	36@18	DFT_BPSK	21.44	PASS
n7	15	15	501500	1@1	DFT_BPSK	21.34	PASS
n7	15	15	501500	1@77	DFT_BPSK	21.41	PASS
n7	15	15	501500	36@18	DFT_QPSK	21.41	PASS
n7	15	15	501500	1@1	DFT_QPSK	21.31	PASS
n7	15	15	501500	1@77	DFT_QPSK	21.37	PASS
n7	15	15	507000	36@18	DFT_BPSK	21.44	PASS
n7	15	15	507000	1@1	DFT_BPSK	21.5	PASS
n7	15	15	507000	1@77	DFT_BPSK	21.32	PASS
n7	15	15	507000	36@18	DFT_QPSK	21.44	PASS
n7	15	15	507000	1@1	DFT_QPSK	21.38	PASS
n7	15	15	507000	1@77	DFT_QPSK	21.23	PASS
n7	15	15	512500	36@18	DFT_BPSK	21.49	PASS
n7	15	15	512500	1@1	DFT_BPSK	21.31	PASS
n7	15	15	512500	1@77	DFT_BPSK	21.29	PASS
n7	15	15	512500	36@18	DFT_QPSK	21.49	PASS
n7	15	15	512500	1@1	DFT_QPSK	21.3	PASS
n7	15	15	512500	1@77	DFT_QPSK	21.34	PASS
n7	15	20	502000	50@25	DFT_BPSK	21.45	PASS
n7	15	20	502000	1@1	DFT_BPSK	21.27	PASS
n7	15	20	502000	1@104	DFT_BPSK	21	PASS
n7	15	20	502000	50@25	DFT_QPSK	21.01	PASS
n7	15	20	502000	1@1	DFT_QPSK	21.24	PASS
n7	15	20	502000	1@104	DFT_QPSK	20.93	PASS
n7	15	20	507000	50@25	DFT_BPSK	21.45	PASS
n7	15	20	507000	1@1	DFT_BPSK	21.36	PASS

n7	15	20	507000	1@104	DFT_BPSK	21.24	PASS
n7	15	20	507000	50@25	DFT_QPSK	21.41	PASS
n7	15	20	507000	1@1	DFT_QPSK	21.32	PASS
n7	15	20	507000	1@104	DFT_QPSK	21.17	PASS
n7	15	20	512000	50@25	DFT_BPSK	21.48	PASS
n7	15	20	512000	1@1	DFT_BPSK	21.28	PASS
n7	15	20	512000	1@104	DFT_BPSK	21.2	PASS
n7	15	20	512000	50@25	DFT_QPSK	21.51	PASS
n7	15	20	512000	1@1	DFT_QPSK	21.22	PASS
n7	15	20	512000	1@104	DFT_QPSK	21.28	PASS

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Verdict
n8	15	5	176500	12@6	DFT_BPSK	21.84	PASS
n8	15	5	176500	1@1	DFT_BPSK	21.29	PASS
n8	15	5	176500	1@23	DFT_BPSK	21.34	PASS
n8	15	5	176500	12@6	DFT_QPSK	21.47	PASS
n8	15	5	176500	1@1	DFT_QPSK	21.7	PASS
n8	15	5	176500	1@23	DFT_QPSK	21.29	PASS
n8	15	5	179500	12@6	DFT_BPSK	21.91	PASS
n8	15	5	179500	1@1	DFT_BPSK	21.8	PASS
n8	15	5	179500	1@23	DFT_BPSK	21.73	PASS
n8	15	5	179500	12@6	DFT_QPSK	21.95	PASS
n8	15	5	179500	1@1	DFT_QPSK	21.78	PASS
n8	15	5	179500	1@23	DFT_QPSK	21.77	PASS
n8	15	5	182500	12@6	DFT_BPSK	21.54	PASS
n8	15	5	182500	1@1	DFT_BPSK	21.39	PASS
n8	15	5	182500	1@23	DFT_BPSK	21.85	PASS
n8	15	5	182500	12@6	DFT_QPSK	21.55	PASS
n8	15	5	182500	1@1	DFT_QPSK	21.79	PASS
n8	15	5	182500	1@23	DFT_QPSK	21.51	PASS
n8	15	15	177500	36@18	DFT_BPSK	21.9	PASS
n8	15	15	177500	1@1	DFT_BPSK	21.69	PASS
n8	15	15	177500	1@77	DFT_BPSK	21.42	PASS
n8	15	15	177500	36@18	DFT_QPSK	21.5	PASS
n8	15	15	177500	1@1	DFT_QPSK	21.75	PASS
n8	15	15	177500	1@77	DFT_QPSK	21.41	PASS
n8	15	15	179500	36@18	DFT_BPSK	21.89	PASS
n8	15	15	179500	1@1	DFT_BPSK	21.78	PASS
n8	15	15	179500	1@77	DFT_BPSK	21.77	PASS
n8	15	15	179500	36@18	DFT_QPSK	21.91	PASS
n8	15	15	179500	1@1	DFT_QPSK	21.8	PASS
n8	15	15	179500	1@77	DFT_QPSK	21.73	PASS
n8	15	15	181500	36@18	DFT_BPSK	21.9	PASS
n8	15	15	181500	1@1	DFT_BPSK	21.78	PASS
n8	15	15	181500	1@77	DFT_BPSK	21.5	PASS
n8	15	15	181500	36@18	DFT_QPSK	21.92	PASS
n8	15	15	181500	1@1	DFT_QPSK	21.81	PASS
n8	15	15	181500	1@77	DFT_QPSK	21.47	PASS
n8	15	20	178000	50@25	DFT_BPSK	21.96	PASS
n8	15	20	178000	1@1	DFT_BPSK	21.67	PASS
n8	15	20	178000	1@104	DFT_BPSK	21.79	PASS
n8	15	20	178000	50@25	DFT_QPSK	21.99	PASS
n8	15	20	178000	1@1	DFT_QPSK	21.63	PASS
n8	15	20	178000	1@104	DFT_QPSK	21.73	PASS
n8	15	20	179500	50@25	DFT_BPSK	21.91	PASS
n8	15	20	179500	1@1	DFT_BPSK	21.77	PASS

n8	15	20	179500	1@104	DFT_BPSK	21.74	PASS
n8	15	20	179500	50@25	DFT_QPSK	21.91	PASS
n8	15	20	179500	1@1	DFT_QPSK	21.69	PASS
n8	15	20	179500	1@104	DFT_QPSK	21.74	PASS
n8	15	20	181000	50@25	DFT_BPSK	21.83	PASS
n8	15	20	181000	1@1	DFT_BPSK	21.3	PASS
n8	15	20	181000	1@104	DFT_BPSK	21.79	PASS
n8	15	20	181000	50@25	DFT_QPSK	21.91	PASS
n8	15	20	181000	1@1	DFT_QPSK	21.68	PASS
n8	15	20	181000	1@104	DFT_QPSK	21.79	PASS

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Verdict
n20	15	5	166900	12@6	DFT_BPSK	21.9	PASS
n20	15	5	166900	1@1	DFT_BPSK	21.77	PASS
n20	15	5	166900	1@23	DFT_BPSK	21.79	PASS
n20	15	5	166900	12@6	DFT_QPSK	21.46	PASS
n20	15	5	166900	1@1	DFT_QPSK	21.37	PASS
n20	15	5	166900	1@23	DFT_QPSK	21.73	PASS
n20	15	5	169400	12@6	DFT_BPSK	21.39	PASS
n20	15	5	169400	1@1	DFT_BPSK	21.75	PASS
n20	15	5	169400	1@23	DFT_BPSK	21.71	PASS
n20	15	5	169400	12@6	DFT_QPSK	21.79	PASS
n20	15	5	169400	1@1	DFT_QPSK	21.25	PASS
n20	15	5	169400	1@23	DFT_QPSK	21.71	PASS
n20	15	5	171900	12@6	DFT_BPSK	21.6	PASS
n20	15	5	171900	1@1	DFT_BPSK	21.85	PASS
n20	15	5	171900	1@23	DFT_BPSK	21.9	PASS
n20	15	5	171900	12@6	DFT_QPSK	21.56	PASS
n20	15	5	171900	1@1	DFT_QPSK	21.82	PASS
n20	15	5	171900	1@23	DFT_QPSK	21.83	PASS
n20	15	15	167900	36@18	DFT_BPSK	21.86	PASS
n20	15	15	167900	1@1	DFT_BPSK	21.79	PASS
n20	15	15	167900	1@77	DFT_BPSK	21.77	PASS
n20	15	15	167900	36@18	DFT_QPSK	21.83	PASS
n20	15	15	167900	1@1	DFT_QPSK	21.76	PASS
n20	15	15	167900	1@77	DFT_QPSK	21.73	PASS
n20	15	15	169400	36@18	DFT_BPSK	21.81	PASS
n20	15	15	169400	1@1	DFT_BPSK	21.74	PASS
n20	15	15	169400	1@77	DFT_BPSK	21.34	PASS
n20	15	15	169400	36@18	DFT_QPSK	21.37	PASS
n20	15	15	169400	1@1	DFT_QPSK	21.69	PASS
n20	15	15	169400	1@77	DFT_QPSK	21.31	PASS
n20	15	15	170900	36@18	DFT_BPSK	21.93	PASS
n20	15	15	170900	1@1	DFT_BPSK	21.69	PASS
n20	15	15	170900	1@77	DFT_BPSK	21.92	PASS
n20	15	15	170900	36@18	DFT_QPSK	21.5	PASS
n20	15	15	170900	1@1	DFT_QPSK	21.72	PASS
n20	15	15	170900	1@77	DFT_QPSK	21.43	PASS
n20	15	20	168400	50@25	DFT_BPSK	21.87	PASS
n20	15	20	168400	1@1	DFT_BPSK	21.78	PASS
n20	15	20	168400	1@104	DFT_BPSK	21.74	PASS
n20	15	20	168400	50@25	DFT_QPSK	21.88	PASS
n20	15	20	168400	1@1	DFT_QPSK	21.71	PASS
n20	15	20	168400	1@104	DFT_QPSK	21.67	PASS
n20	15	20	169400	50@25	DFT_BPSK	21.4	PASS
n20	15	20	169400	1@1	DFT_BPSK	21.7	PASS

n20	15	20	169400	1@104	DFT_BPSK	21.79	PASS
n20	15	20	169400	50@25	DFT_QPSK	21.87	PASS
n20	15	20	169400	1@1	DFT_QPSK	21.17	PASS
n20	15	20	169400	1@104	DFT_QPSK	21.36	PASS
n20	15	20	170400	50@25	DFT_BPSK	21.44	PASS
n20	15	20	170400	1@1	DFT_BPSK	21.71	PASS
n20	15	20	170400	1@104	DFT_BPSK	21.84	PASS
n20	15	20	170400	50@25	DFT_QPSK	21.46	PASS
n20	15	20	170400	1@1	DFT_QPSK	21.16	PASS
n20	15	20	170400	1@104	DFT_QPSK	21.76	PASS

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Verdict
n28(703-736)	15	5	141100	12@6	DFT_BPSK	22.18	PASS
n28(703-736)	15	5	141100	1@1	DFT_BPSK	22.03	PASS
n28(703-736)	15	5	141100	1@23	DFT_BPSK	21.68	PASS
n28(703-736)	15	5	141100	12@6	DFT_QPSK	21.75	PASS
n28(703-736)	15	5	141100	1@1	DFT_QPSK	22.07	PASS
n28(703-736)	15	5	141100	1@23	DFT_QPSK	22.16	PASS
n28(703-736)	15	5	143900	12@6	DFT_BPSK	22.15	PASS
n28(703-736)	15	5	143900	1@1	DFT_BPSK	22.07	PASS
n28(703-736)	15	5	143900	1@23	DFT_BPSK	21.96	PASS
n28(703-736)	15	5	143900	12@6	DFT_QPSK	22.19	PASS
n28(703-736)	15	5	143900	1@1	DFT_QPSK	22.08	PASS
n28(703-736)	15	5	143900	1@23	DFT_QPSK	21.96	PASS
n28(703-736)	15	5	146700	12@6	DFT_BPSK	22.16	PASS
n28(703-736)	15	5	146700	1@1	DFT_BPSK	22.02	PASS
n28(703-736)	15	5	146700	1@23	DFT_BPSK	21.67	PASS
n28(703-736)	15	5	146700	12@6	DFT_QPSK	22.18	PASS
n28(703-736)	15	5	146700	1@1	DFT_QPSK	22.02	PASS
n28(703-736)	15	5	146700	1@23	DFT_QPSK	21.62	PASS
n28(703-736)	15	15	142100	36@18	DFT_BPSK	22.26	PASS
n28(703-736)	15	15	142100	1@1	DFT_BPSK	22.07	PASS
n28(703-736)	15	15	142100	1@77	DFT_BPSK	22.09	PASS
n28(703-736)	15	15	142100	36@18	DFT_QPSK	22.32	PASS
n28(703-736)	15	15	142100	1@1	DFT_QPSK	22.12	PASS
n28(703-736)	15	15	142100	1@77	DFT_QPSK	21.69	PASS
n28(703-736)	15	15	143900	36@18	DFT_BPSK	22.14	PASS
n28(703-736)	15	15	143900	1@1	DFT_BPSK	22.24	PASS
n28(703-736)	15	15	143900	1@77	DFT_BPSK	21.88	PASS
n28(703-736)	15	15	143900	36@18	DFT_QPSK	22.2	PASS
n28(703-736)	15	15	143900	1@1	DFT_QPSK	22.19	PASS
n28(703-736)	15	15	143900	1@77	DFT_QPSK	21.94	PASS
n28(703-736)	15	15	145700	36@18	DFT_BPSK	21.64	PASS
n28(703-736)	15	15	145700	1@1	DFT_BPSK	21.72	PASS
n28(703-736)	15	15	145700	1@77	DFT_BPSK	22.02	PASS
n28(703-736)	15	15	145700	36@18	DFT_QPSK	22.09	PASS
n28(703-736)	15	15	145700	1@1	DFT_QPSK	22.16	PASS
n28(703-736)	15	15	145700	1@77	DFT_QPSK	21.61	PASS
n28(703-736)	15	20	142600	50@25	DFT_BPSK	21.9	PASS
n28(703-736)	15	20	142600	1@1	DFT_BPSK	22.05	PASS
n28(703-736)	15	20	142600	1@104	DFT_BPSK	21.56	PASS
n28(703-736)	15	20	142600	50@25	DFT_QPSK	22.33	PASS
n28(703-736)	15	20	142600	1@1	DFT_QPSK	21.58	PASS
n28(703-736)	15	20	142600	1@104	DFT_QPSK	21.56	PASS
n28(703-736)	15	20	143900	50@25	DFT_BPSK	22.21	PASS
n28(703-736)	15	20	143900	1@1	DFT_BPSK	22.16	PASS

n28(703-736)	15	20	143900	1@104	DFT_BPSK	21.81	PASS
n28(703-736)	15	20	143900	50@25	DFT_QPSK	22.19	PASS
n28(703-736)	15	20	143900	1@1	DFT_QPSK	22.15	PASS
n28(703-736)	15	20	143900	1@104	DFT_QPSK	21.84	PASS
n28(703-736)	15	20	145200	50@25	DFT_BPSK	22.18	PASS
n28(703-736)	15	20	145200	1@1	DFT_BPSK	22.15	PASS
n28(703-736)	15	20	145200	1@104	DFT_BPSK	21.57	PASS
n28(703-736)	15	20	145200	50@25	DFT_QPSK	22.14	PASS
n28(703-736)	15	20	145200	1@1	DFT_QPSK	21.73	PASS
n28(703-736)	15	20	145200	1@104	DFT_QPSK	21.56	PASS

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Verdict
n38	30	10	515000	12@6	DFT_BPSK	21.35	PASS
n38	30	10	515000	1@1	DFT_BPSK	21.28	PASS
n38	30	10	515000	1@22	DFT_BPSK	21.26	PASS
n38	30	10	515000	12@6	DFT_QPSK	21.36	PASS
n38	30	10	515000	1@1	DFT_QPSK	21.23	PASS
n38	30	10	515000	1@22	DFT_QPSK	21.21	PASS
n38	30	10	519000	12@6	DFT_BPSK	21.38	PASS
n38	30	10	519000	1@1	DFT_BPSK	21.3	PASS
n38	30	10	519000	1@22	DFT_BPSK	21.3	PASS
n38	30	10	519000	12@6	DFT_QPSK	21.36	PASS
n38	30	10	519000	1@1	DFT_QPSK	21.24	PASS
n38	30	10	519000	1@22	DFT_QPSK	21.26	PASS
n38	30	10	523000	12@6	DFT_BPSK	21.34	PASS
n38	30	10	523000	1@1	DFT_BPSK	21.17	PASS
n38	30	10	523000	1@22	DFT_BPSK	21.35	PASS
n38	30	10	523000	12@6	DFT_QPSK	21.32	PASS
n38	30	10	523000	1@1	DFT_QPSK	21.17	PASS
n38	30	10	523000	1@22	DFT_QPSK	21.33	PASS
n38	30	15	515500	18@9	DFT_BPSK	21.41	PASS
n38	30	15	515500	1@1	DFT_BPSK	21.27	PASS
n38	30	15	515500	1@36	DFT_BPSK	21.28	PASS
n38	30	15	515500	18@9	DFT_QPSK	21.41	PASS
n38	30	15	515500	1@1	DFT_QPSK	21.26	PASS
n38	30	15	515500	1@36	DFT_QPSK	21.28	PASS
n38	30	15	519000	18@9	DFT_BPSK	21.41	PASS
n38	30	15	519000	1@1	DFT_BPSK	21.26	PASS
n38	30	15	519000	1@36	DFT_BPSK	21.21	PASS
n38	30	15	519000	18@9	DFT_QPSK	21.43	PASS
n38	30	15	519000	1@1	DFT_QPSK	21.21	PASS
n38	30	15	519000	1@36	DFT_QPSK	21.18	PASS
n38	30	15	522500	18@9	DFT_BPSK	21.3	PASS
n38	30	15	522500	1@1	DFT_BPSK	21.14	PASS
n38	30	15	522500	1@36	DFT_BPSK	21.34	PASS
n38	30	15	522500	18@9	DFT_QPSK	21.34	PASS
n38	30	15	522500	1@1	DFT_QPSK	21.1	PASS
n38	30	15	522500	1@36	DFT_QPSK	21.31	PASS
n38	30	20	516000	25@12	DFT_BPSK	21.4	PASS
n38	30	20	516000	1@1	DFT_BPSK	21.22	PASS
n38	30	20	516000	1@49	DFT_BPSK	21.27	PASS
n38	30	20	516000	25@12	DFT_QPSK	21.42	PASS
n38	30	20	516000	1@1	DFT_QPSK	21.2	PASS
n38	30	20	516000	1@49	DFT_QPSK	21.25	PASS
n38	30	20	519000	25@12	DFT_BPSK	21.36	PASS
n38	30	20	519000	1@1	DFT_BPSK	21.24	PASS

n38	30	20	519000	1@49	DFT_BPSK	21.13	PASS
n38	30	20	519000	25@12	DFT_QPSK	21.41	PASS
n38	30	20	519000	1@1	DFT_QPSK	21.21	PASS
n38	30	20	519000	1@49	DFT_QPSK	21.09	PASS
n38	30	20	522000	25@12	DFT_BPSK	21.3	PASS
n38	30	20	522000	1@1	DFT_BPSK	21.1	PASS
n38	30	20	522000	1@49	DFT_BPSK	21.28	PASS
n38	30	20	522000	25@12	DFT_QPSK	21.31	PASS
n38	30	20	522000	1@1	DFT_QPSK	21.06	PASS
n38	30	20	522000	1@49	DFT_QPSK	21.23	PASS

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Verdict
n40	30	20	462000	25@12	DFT_BPSK	21.58	PASS
n40	30	20	462000	1@1	DFT_BPSK	21.55	PASS
n40	30	20	462000	1@49	DFT_BPSK	21.47	PASS
n40	30	20	462000	25@12	DFT_QPSK	21.61	PASS
n40	30	20	462000	1@1	DFT_QPSK	21.55	PASS
n40	30	20	462000	1@49	DFT_QPSK	21.44	PASS
n40	30	20	470000	25@12	DFT_BPSK	21.64	PASS
n40	30	20	470000	1@1	DFT_BPSK	21.63	PASS
n40	30	20	470000	1@49	DFT_BPSK	21.35	PASS
n40	30	20	470000	25@12	DFT_QPSK	21.57	PASS
n40	30	20	470000	1@1	DFT_QPSK	21.6	PASS
n40	30	20	470000	1@49	DFT_QPSK	21.28	PASS
n40	30	20	478000	25@12	DFT_BPSK	21.63	PASS
n40	30	20	478000	1@1	DFT_BPSK	21.49	PASS
n40	30	20	478000	1@49	DFT_BPSK	21.44	PASS
n40	30	20	478000	25@12	DFT_QPSK	21.53	PASS
n40	30	20	478000	1@1	DFT_QPSK	21.43	PASS
n40	30	20	478000	1@49	DFT_QPSK	21.35	PASS
n40	30	50	465000	64@32	DFT_BPSK	22.71	PASS
n40	30	50	465000	1@1	DFT_BPSK	22.52	PASS
n40	30	50	465000	1@131	DFT_BPSK	22.36	PASS
n40	30	50	465000	64@32	DFT_QPSK	22.7	PASS
n40	30	50	465000	1@1	DFT_QPSK	22.49	PASS
n40	30	50	465000	1@131	DFT_QPSK	22.32	PASS
n40	30	50	470000	64@32	DFT_BPSK	22.67	PASS
n40	30	50	470000	1@1	DFT_BPSK	22.65	PASS
n40	30	50	470000	1@131	DFT_BPSK	22.32	PASS
n40	30	50	470000	64@32	DFT_QPSK	22.67	PASS
n40	30	50	470000	1@1	DFT_QPSK	22.58	PASS
n40	30	50	470000	1@131	DFT_QPSK	22.3	PASS
n40	30	50	475000	64@32	DFT_BPSK	22.6	PASS
n40	30	50	475000	1@1	DFT_BPSK	22.53	PASS
n40	30	50	475000	1@131	DFT_BPSK	22.28	PASS
n40	30	50	475000	64@32	DFT_QPSK	22.61	PASS
n40	30	50	475000	1@1	DFT_QPSK	22.46	PASS
n40	30	50	475000	1@131	DFT_QPSK	22.21	PASS
n40	30	80	468000	108@54	DFT_BPSK	22.74	PASS
n40	30	80	468000	1@1	DFT_BPSK	22.39	PASS
n40	30	80	468000	1@215	DFT_BPSK	21.97	PASS
n40	30	80	468000	108@54	DFT_QPSK	22.71	PASS
n40	30	80	468000	1@1	DFT_QPSK	22.3	PASS
n40	30	80	468000	1@215	DFT_QPSK	21.85	PASS
n40	30	80	470000	108@54	DFT_BPSK	22.67	PASS
n40	30	80	470000	1@1	DFT_BPSK	22.37	PASS

n40	30	80	470000	1@215	DFT_BPSK	21.84	PASS
n40	30	80	470000	108@54	DFT_QPSK	22.65	PASS
n40	30	80	470000	1@1	DFT_QPSK	22.29	PASS
n40	30	80	470000	1@215	DFT_QPSK	21.72	PASS
n40	30	80	472000	108@54	DFT_BPSK	22.62	PASS
n40	30	80	472000	1@1	DFT_BPSK	22.29	PASS
n40	30	80	472000	1@215	DFT_BPSK	21.91	PASS
n40	30	80	472000	108@54	DFT_QPSK	22.6	PASS
n40	30	80	472000	1@1	DFT_QPSK	22.24	PASS
n40	30	80	472000	1@215	DFT_QPSK	21.82	PASS

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Verdict
n41(2500-2690)	30	20	502002	25@12	DFT_BPSK	21.75	PASS
n41(2500-2690)	30	20	502002	1@1	DFT_BPSK	21.57	PASS
n41(2500-2690)	30	20	502002	1@49	DFT_BPSK	21.67	PASS
n41(2500-2690)	30	20	502002	25@12	DFT_QPSK	21.72	PASS
n41(2500-2690)	30	20	502002	1@1	DFT_QPSK	21.52	PASS
n41(2500-2690)	30	20	502002	1@49	DFT_QPSK	21.6	PASS
n41(2500-2690)	30	20	519000	25@12	DFT_BPSK	21.5	PASS
n41(2500-2690)	30	20	519000	1@1	DFT_BPSK	21.29	PASS
n41(2500-2690)	30	20	519000	1@49	DFT_BPSK	21.2	PASS
n41(2500-2690)	30	20	519000	25@12	DFT_QPSK	21.49	PASS
n41(2500-2690)	30	20	519000	1@1	DFT_QPSK	21.26	PASS
n41(2500-2690)	30	20	519000	1@49	DFT_QPSK	21.14	PASS
n41(2500-2690)	30	20	535998	25@12	DFT_BPSK	21.66	PASS
n41(2500-2690)	30	20	535998	1@1	DFT_BPSK	21.52	PASS
n41(2500-2690)	30	20	535998	1@49	DFT_BPSK	21.41	PASS
n41(2500-2690)	30	20	535998	25@12	DFT_QPSK	21.64	PASS
n41(2500-2690)	30	20	535998	1@1	DFT_QPSK	21.52	PASS
n41(2500-2690)	30	20	535998	1@49	DFT_QPSK	21.48	PASS
n41(2500-2690)	30	60	506004	81@40	DFT_BPSK	21.7	PASS
n41(2500-2690)	30	60	506004	1@1	DFT_BPSK	21.37	PASS
n41(2500-2690)	30	60	506004	1@160	DFT_BPSK	21.26	PASS
n41(2500-2690)	30	60	506004	81@40	DFT_QPSK	21.67	PASS
n41(2500-2690)	30	60	506004	1@1	DFT_QPSK	21.34	PASS
n41(2500-2690)	30	60	506004	1@160	DFT_QPSK	21.21	PASS
n41(2500-2690)	30	60	519000	81@40	DFT_BPSK	21.41	PASS
n41(2500-2690)	30	60	519000	1@1	DFT_BPSK	21.11	PASS
n41(2500-2690)	30	60	519000	1@160	DFT_BPSK	21.27	PASS
n41(2500-2690)	30	60	519000	81@40	DFT_QPSK	21.42	PASS
n41(2500-2690)	30	60	519000	1@1	DFT_QPSK	21.08	PASS
n41(2500-2690)	30	60	519000	1@160	DFT_QPSK	21.22	PASS
n41(2500-2690)	30	60	531996	81@40	DFT_BPSK	21.64	PASS
n41(2500-2690)	30	60	531996	1@1	DFT_BPSK	21.25	PASS
n41(2500-2690)	30	60	531996	1@160	DFT_BPSK	21.22	PASS
n41(2500-2690)	30	60	531996	81@40	DFT_QPSK	21.67	PASS
n41(2500-2690)	30	60	531996	1@1	DFT_QPSK	21.19	PASS
n41(2500-2690)	30	60	531996	1@160	DFT_QPSK	21.17	PASS

n41(2500-2690)	30	100	510000	135@67	DFT_BPSK	22.55	PASS
n41(2500-2690)	30	100	510000	1@1	DFT_BPSK	21.9	PASS
n41(2500-2690)	30	100	510000	1@271	DFT_BPSK	21.56	PASS
n41(2500-2690)	30	100	510000	135@67	DFT_QPSK	22.61	PASS
n41(2500-2690)	30	100	510000	1@1	DFT_QPSK	21.81	PASS
n41(2500-2690)	30	100	510000	1@271	DFT_QPSK	21.5	PASS
n41(2500-2690)	30	100	519000	135@67	DFT_BPSK	22.32	PASS
n41(2500-2690)	30	100	519000	1@1	DFT_BPSK	21.74	PASS
n41(2500-2690)	30	100	519000	1@271	DFT_BPSK	21.76	PASS
n41(2500-2690)	30	100	519000	135@67	DFT_QPSK	22.34	PASS
n41(2500-2690)	30	100	519000	1@1	DFT_QPSK	21.65	PASS
n41(2500-2690)	30	100	519000	1@271	DFT_QPSK	21.7	PASS
n41(2500-2690)	30	100	528000	135@67	DFT_BPSK	22.61	PASS
n41(2500-2690)	30	100	528000	1@1	DFT_BPSK	21.58	PASS
n41(2500-2690)	30	100	528000	1@271	DFT_BPSK	21.84	PASS
n41(2500-2690)	30	100	528000	135@67	DFT_QPSK	22.6	PASS
n41(2500-2690)	30	100	528000	1@1	DFT_QPSK	21.54	PASS
n41(2500-2690)	30	100	528000	1@271	DFT_QPSK	21.8	PASS

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Verdict
n77(3400-4200)	30	20	627334	25@12	DFT_BPSK	20.61	PASS
n77(3400-4200)	30	20	627334	1@1	DFT_BPSK	20.48	PASS
n77(3400-4200)	30	20	627334	1@49	DFT_BPSK	20.31	PASS
n77(3400-4200)	30	20	627334	25@12	DFT_QPSK	20.55	PASS
n77(3400-4200)	30	20	627334	1@1	DFT_QPSK	20.47	PASS
n77(3400-4200)	30	20	627334	1@49	DFT_QPSK	20.3	PASS
n77(3400-4200)	30	20	653334	25@12	DFT_BPSK	20.59	PASS
n77(3400-4200)	30	20	653334	1@1	DFT_BPSK	20.38	PASS
n77(3400-4200)	30	20	653334	1@49	DFT_BPSK	20.5	PASS
n77(3400-4200)	30	20	653334	25@12	DFT_QPSK	20.6	PASS
n77(3400-4200)	30	20	653334	1@1	DFT_QPSK	20.37	PASS
n77(3400-4200)	30	20	653334	1@49	DFT_QPSK	20.44	PASS
n77(3400-4200)	30	20	679332	25@12	DFT_BPSK	19.54	PASS
n77(3400-4200)	30	20	679332	1@1	DFT_BPSK	19.62	PASS
n77(3400-4200)	30	20	679332	1@49	DFT_BPSK	19.25	PASS
n77(3400-4200)	30	20	679332	25@12	DFT_QPSK	19.51	PASS
n77(3400-4200)	30	20	679332	1@1	DFT_QPSK	19.61	PASS
n77(3400-4200)	30	20	679332	1@49	DFT_QPSK	19.22	PASS
n77(3400-4200)	30	60	628668	81@40	DFT_BPSK	21.54	PASS
n77(3400-4200)	30	60	628668	1@1	DFT_BPSK	21.34	PASS
n77(3400-4200)	30	60	628668	1@160	DFT_BPSK	21.01	PASS
n77(3400-4200)	30	60	628668	81@40	DFT_QPSK	21.51	PASS
n77(3400-4200)	30	60	628668	1@1	DFT_QPSK	21.33	PASS
n77(3400-4200)	30	60	628668	1@160	DFT_QPSK	21	PASS
n77(3400-4200)	30	60	653334	81@40	DFT_BPSK	21.46	PASS
n77(3400-4200)	30	60	653334	1@1	DFT_BPSK	20.9	PASS
n77(3400-4200)	30	60	653334	1@160	DFT_BPSK	21.19	PASS
n77(3400-4200)	30	60	653334	81@40	DFT_QPSK	21.44	PASS
n77(3400-4200)	30	60	653334	1@1	DFT_QPSK	20.89	PASS
n77(3400-4200)	30	60	653334	1@160	DFT_QPSK	21.15	PASS
n77(3400-4200)	30	60	678000	81@40	DFT_BPSK	20.79	PASS
n77(3400-4200)	30	60	678000	1@1	DFT_BPSK	20.86	PASS
n77(3400-4200)	30	60	678000	1@160	DFT_BPSK	19.91	PASS
n77(3400-4200)	30	60	678000	81@40	DFT_QPSK	20.76	PASS
n77(3400-4200)	30	60	678000	1@1	DFT_QPSK	20.82	PASS
n77(3400-4200)	30	60	678000	1@160	DFT_QPSK	19.86	PASS

n77(3400-4200)	30	100	630000	135@67	DFT_BPSK	21.53	PASS
n77(3400-4200)	30	100	630000	1@1	DFT_BPSK	21.05	PASS
n77(3400-4200)	30	100	630000	1@271	DFT_BPSK	20.47	PASS
n77(3400-4200)	30	100	630000	135@67	DFT_QPSK	21.47	PASS
n77(3400-4200)	30	100	630000	1@1	DFT_QPSK	21.02	PASS
n77(3400-4200)	30	100	630000	1@271	DFT_QPSK	20.5	PASS
n77(3400-4200)	30	100	653334	135@67	DFT_BPSK	21.43	PASS
n77(3400-4200)	30	100	653334	1@1	DFT_BPSK	20.21	PASS
n77(3400-4200)	30	100	653334	1@271	DFT_BPSK	20.75	PASS
n77(3400-4200)	30	100	653334	135@67	DFT_QPSK	21.43	PASS
n77(3400-4200)	30	100	653334	1@1	DFT_QPSK	20.21	PASS
n77(3400-4200)	30	100	653334	1@271	DFT_QPSK	20.73	PASS
n77(3400-4200)	30	100	676666	135@67	DFT_BPSK	20.92	PASS
n77(3400-4200)	30	100	676666	1@1	DFT_BPSK	20.36	PASS
n77(3400-4200)	30	100	676666	1@271	DFT_BPSK	19.27	PASS
n77(3400-4200)	30	100	676666	135@67	DFT_QPSK	20.89	PASS
n77(3400-4200)	30	100	676666	1@1	DFT_QPSK	20.34	PASS
n77(3400-4200)	30	100	676666	1@271	DFT_QPSK	19.23	PASS

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Verdict
n78(3400-3800)	30	20	627334	25@12	DFT_BPSK	20.62	PASS
n78(3400-3800)	30	20	627334	1@1	DFT_BPSK	20.48	PASS
n78(3400-3800)	30	20	627334	1@49	DFT_BPSK	20.34	PASS
n78(3400-3800)	30	20	627334	25@12	DFT_QPSK	20.62	PASS
n78(3400-3800)	30	20	627334	1@1	DFT_QPSK	20.49	PASS
n78(3400-3800)	30	20	627334	1@49	DFT_QPSK	20.32	PASS
n78(3400-3800)	30	20	640000	25@12	DFT_BPSK	20.43	PASS
n78(3400-3800)	30	20	640000	1@1	DFT_BPSK	20.25	PASS
n78(3400-3800)	30	20	640000	1@49	DFT_BPSK	20.18	PASS
n78(3400-3800)	30	20	640000	25@12	DFT_QPSK	20.41	PASS
n78(3400-3800)	30	20	640000	1@1	DFT_QPSK	20.24	PASS
n78(3400-3800)	30	20	640000	1@49	DFT_QPSK	20.16	PASS
n78(3400-3800)	30	20	652666	25@12	DFT_BPSK	20.6	PASS
n78(3400-3800)	30	20	652666	1@1	DFT_BPSK	20.35	PASS
n78(3400-3800)	30	20	652666	1@49	DFT_BPSK	20.45	PASS
n78(3400-3800)	30	20	652666	25@12	DFT_QPSK	20.56	PASS
n78(3400-3800)	30	20	652666	1@1	DFT_QPSK	20.34	PASS
n78(3400-3800)	30	20	652666	1@49	DFT_QPSK	20.42	PASS
n78(3400-3800)	30	60	628668	81@40	DFT_BPSK	21.56	PASS
n78(3400-3800)	30	60	628668	1@1	DFT_BPSK	21.41	PASS
n78(3400-3800)	30	60	628668	1@160	DFT_BPSK	21.08	PASS
n78(3400-3800)	30	60	628668	81@40	DFT_QPSK	21.51	PASS
n78(3400-3800)	30	60	628668	1@1	DFT_QPSK	21.39	PASS
n78(3400-3800)	30	60	628668	1@160	DFT_QPSK	21.07	PASS
n78(3400-3800)	30	60	640000	81@40	DFT_BPSK	21.44	PASS
n78(3400-3800)	30	60	640000	1@1	DFT_BPSK	21.21	PASS
n78(3400-3800)	30	60	640000	1@160	DFT_BPSK	20.93	PASS
n78(3400-3800)	30	60	640000	81@40	DFT_QPSK	21.44	PASS
n78(3400-3800)	30	60	640000	1@1	DFT_QPSK	21.23	PASS
n78(3400-3800)	30	60	640000	1@160	DFT_QPSK	20.95	PASS
n78(3400-3800)	30	60	651332	81@40	DFT_BPSK	21.47	PASS
n78(3400-3800)	30	60	651332	1@1	DFT_BPSK	20.96	PASS
n78(3400-3800)	30	60	651332	1@160	DFT_BPSK	21.3	PASS
n78(3400-3800)	30	60	651332	81@40	DFT_QPSK	21.51	PASS
n78(3400-3800)	30	60	651332	1@1	DFT_QPSK	20.95	PASS
n78(3400-3800)	30	60	651332	1@160	DFT_QPSK	21.3	PASS

n78(3400-3800)	30	100	630000	135@67	DFT_BPSK	21.47	PASS
n78(3400-3800)	30	100	630000	1@1	DFT_BPSK	21.09	PASS
n78(3400-3800)	30	100	630000	1@271	DFT_BPSK	20.53	PASS
n78(3400-3800)	30	100	630000	135@67	DFT_QPSK	21.48	PASS
n78(3400-3800)	30	100	630000	1@1	DFT_QPSK	21.12	PASS
n78(3400-3800)	30	100	630000	1@271	DFT_QPSK	20.51	PASS
n78(3400-3800)	30	100	640000	135@67	DFT_BPSK	21.4	PASS
n78(3400-3800)	30	100	640000	1@1	DFT_BPSK	20.81	PASS
n78(3400-3800)	30	100	640000	1@271	DFT_BPSK	20.45	PASS
n78(3400-3800)	30	100	640000	135@67	DFT_QPSK	21.4	PASS
n78(3400-3800)	30	100	640000	1@1	DFT_QPSK	20.87	PASS
n78(3400-3800)	30	100	640000	1@271	DFT_QPSK	20.5	PASS
n78(3400-3800)	30	100	650000	135@67	DFT_BPSK	21.41	PASS
n78(3400-3800)	30	100	650000	1@1	DFT_BPSK	20.4	PASS
n78(3400-3800)	30	100	650000	1@271	DFT_BPSK	20.91	PASS
n78(3400-3800)	30	100	650000	135@67	DFT_QPSK	21.39	PASS
n78(3400-3800)	30	100	650000	1@1	DFT_QPSK	20.39	PASS
n78(3400-3800)	30	100	650000	1@271	DFT_QPSK	20.9	PASS

NSA output list

Condition	Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	Test ID	RB Allocation	Modulation	Power (dBm)	Low Limit (dBm)	High Limit (dBm)	Verdict
NVNT	Band1		5	18025	Test ID 1~6	1@LOW	QPSK				
NVNT	n78(3400-3800)	30	20	627334	Test ID 1~6	1@1	DFT_BPSK				
NVNT	Sum				Test ID 1~6			21.88	19	26	PASS
NVNT	Band1		5	18025	Test ID 1~6	8@LOW	QPSK				
NVNT	n78(3400-3800)	30	20	627334	Test ID 1~6	25@12	DFT_BPSK				
NVNT	Sum				Test ID 1~6			21.9	19	26	PASS
NVNT	Band1		5	18025	Test ID 1~6	1@LOW	QPSK				
NVNT	n78(3400-3800)	30	20	627334	Test ID 1~6	1@1	DFT_QPSK				
NVNT	Sum				Test ID 1~6			21.81	19	26	PASS
NVNT	Band1		5	18025	Test ID 1~6	8@LOW	QPSK				
NVNT	n78(3400-3800)	30	20	627334	Test ID 1~6	25@12	DFT_QPSK				
NVNT	Sum				Test ID 1~6			21.9	19	26	PASS
NVNT	Band1		5	18300	Test ID 1~6	8@LOW	QPSK				
NVNT	n78(3400-3800)	30	20	640000	Test ID 1~6	25@12	DFT_BPSK				
NVNT	Sum				Test ID 1~6			21.64	19	26	PASS
NVNT	Band1		5	18300	Test ID 1~6	8@LOW	QPSK				
NVNT	n78(3400-3800)	30	20	640000	Test ID 1~6	25@12	DFT_QPSK				
NVNT	Sum				Test ID 1~6			21.65	19	26	PASS
NVNT	Band1		5	18575	Test ID 1~6	1@HIGH	QPSK				
NVNT	n78(3400-3800)	30	20	652666	Test ID 1~6	1@49	DFT_BPSK				
NVNT	Sum				Test ID 1~6			21.99	19	26	PASS
NVNT	Band1		5	18575	Test ID 1~6	8@HIGH	QPSK				
NVNT	n78(3400-3800)	30	20	652666	Test ID 1~6	25@12	DFT_BPSK				
NVNT	Sum				Test ID 1~6			22	19	26	PASS
NVNT	Band1		5	18575	Test ID 1~6	1@HIGH	QPSK				
NVNT	n78(3400-3800)	30	20	652666	Test ID 1~6	1@49	DFT_QPSK				
NVNT	Sum				Test ID 1~6			21.96	19	26	PASS
NVNT	Band1		5	18575	Test ID 1~6	8@HIGH	QPSK				
NVNT	n78(3400-3800)	30	20	652666	Test ID 1~6	25@12	DFT_QPSK				
NVNT	Sum				Test ID 1~6			21.99	19	26	PASS
NVNT	Band1		20	18100	Test ID 1~6	1@LOW	QPSK				
NVNT	n78(3400-3800)	30	100	630000	Test ID 1~6	1@1	DFT_BPSK				
NVNT	Sum				Test ID 1~6			21.97	19	26	PASS

NVNT	Band1		20	18100	Test ID 1~6	18@LOW	QPSK				
NVNT	n78(3400-3800)	30	100	630000	Test ID 1~6	135@67	DFT_BPSK				
NVNT	Sum				Test ID 1~6			22.24	19	26	PASS
NVNT	Band1		20	18100	Test ID 1~6	1@LOW	QPSK				
NVNT	n78(3400-3800)	30	100	630000	Test ID 1~6	1@1	DFT_QPSK				
NVNT	Sum				Test ID 1~6			21.95	19	26	PASS
NVNT	Band1		20	18100	Test ID 1~6	18@LOW	QPSK				
NVNT	n78(3400-3800)	30	100	630000	Test ID 1~6	135@67	DFT_QPSK				
NVNT	Sum				Test ID 1~6			22.23	19	26	PASS
NVNT	Band1		20	18300	Test ID 1~6	18@LOW	QPSK				
NVNT	n78(3400-3800)	30	100	640000	Test ID 1~6	135@67	DFT_BPSK				
NVNT	Sum				Test ID 1~6			22.08	19	26	PASS
NVNT	Band1		20	18300	Test ID 1~6	18@LOW	QPSK				
NVNT	n78(3400-3800)	30	100	640000	Test ID 1~6	135@67	DFT_QPSK				
NVNT	Sum				Test ID 1~6			22.13	19	26	PASS
NVNT	Band1		20	18500	Test ID 1~6	1@HIGH	QPSK				
NVNT	n78(3400-3800)	30	100	650000	Test ID 1~6	1@271	DFT_BPSK				
NVNT	Sum				Test ID 1~6			22.19	19	26	PASS
NVNT	Band1		20	18500	Test ID 1~6	18@HIGH	QPSK				
NVNT	n78(3400-3800)	30	100	650000	Test ID 1~6	135@67	DFT_BPSK				
NVNT	Sum				Test ID 1~6			22.35	19	26	PASS
NVNT	Band1		20	18500	Test ID 1~6	1@HIGH	QPSK				
NVNT	n78(3400-3800)	30	100	650000	Test ID 1~6	1@271	DFT_QPSK				
NVNT	Sum				Test ID 1~6			22.2	19	26	PASS
NVNT	Band1		20	18500	Test ID 1~6	18@HIGH	QPSK				
NVNT	n78(3400-3800)	30	100	650000	Test ID 1~6	135@67	DFT_QPSK				
NVNT	Sum				Test ID 1~6			22.35	19	26	PASS
NVNT	Band1		5	18025	Test ID 7~9	1@LOW	QPSK	22.87	19	26	PASS
NVNT	n78(3400-3800)	30	20	627334	Test ID 7~9	NA	NA				
NVNT	Band1		5	18025	Test ID 7~9	8@LOW	QPSK	22.94	19	26	PASS
NVNT	n78(3400-3800)	30	20	627334	Test ID 7~9	NA	NA				
NVNT	Band1		5	18300	Test ID 7~9	8@LOW	QPSK	22.52	19	26	PASS
NVNT	n78(3400-3800)	30	20	640000	Test ID 7~9	NA	NA				
NVNT	Band1		5	18575	Test ID 7~9	1@HIGH	QPSK	23	19	26	PASS
NVNT	n78(3400-3800)	30	20	652666	Test ID 7~9	NA	NA				

NVNT	Band1		5	18575	Test ID 7~9	8@LOW	QPSK	23.05	19	26	PASS
NVNT	n78(3400-3800)	30	20	652666	Test ID 7~9	NA	NA				
NVNT	Band1		20	18100	Test ID 7~9	1@LOW	QPSK	22.76	19	26	PASS
NVNT	n78(3400-3800)	30	20	627334	Test ID 7~9	NA	NA				
NVNT	Band1		20	18100	Test ID 7~9	18@LOW	QPSK	22.87	19	26	PASS
NVNT	n78(3400-3800)	30	20	627334	Test ID 7~9	NA	NA				
NVNT	Band1		20	18300	Test ID 7~9	18@LOW	QPSK	22.37	19	26	PASS
NVNT	n78(3400-3800)	30	20	640000	Test ID 7~9	NA	NA				
NVNT	Band1		20	18500	Test ID 7~9	1@HIGH	QPSK	22.84	19	26	PASS
NVNT	n78(3400-3800)	30	20	652666	Test ID 7~9	NA	NA				
NVNT	Band1		20	18500	Test ID 7~9	18@LOW	QPSK	22.86	19	26	PASS
NVNT	n78(3400-3800)	30	20	652666	Test ID 7~9	NA	NA				
NVNT	Band1		5	18025	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	627334	Test ID 10~15	1@1	DFT_BPSK	20.49	19	26	PASS
NVNT	Band1		5	18025	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	627334	Test ID 10~15	25@12	DFT_BPSK	20.62	19	26	PASS
NVNT	Band1		5	18025	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	627334	Test ID 10~15	1@1	DFT_QPSK	20.44	19	26	PASS
NVNT	Band1		5	18025	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	627334	Test ID 10~15	25@12	DFT_QPSK	20.63	19	26	PASS
NVNT	Band1		5	18300	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	640000	Test ID 10~15	25@12	DFT_BPSK	20.55	19	26	PASS
NVNT	Band1		5	18300	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	640000	Test ID 10~15	25@12	DFT_QPSK	20.55	19	26	PASS
NVNT	Band1		5	18575	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	652666	Test ID 10~15	1@49	DFT_BPSK	20.43	19	26	PASS
NVNT	Band1		5	18575	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	652666	Test ID 10~15	25@12	DFT_BPSK	20.52	19	26	PASS
NVNT	Band1		5	18575	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	652666	Test ID 10~15	1@49	DFT_QPSK	20.39	19	26	PASS
NVNT	Band1		5	18575	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	652666	Test ID 10~15	25@12	DFT_QPSK	20.52	19	26	PASS
NVNT	Band1		5	18025	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	630000	Test ID 10~15	1@1	DFT_BPSK	20.6	19	26	PASS

NVNT	Band1		5	18025	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	630000	Test ID 10~15	135@67	DFT_BPSK	21.35	19	26	PASS
NVNT	Band1		5	18025	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	630000	Test ID 10~15	1@1	DFT_QPSK	20.58	19	26	PASS
NVNT	Band1		5	18025	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	630000	Test ID 10~15	135@67	DFT_QPSK	21.39	19	26	PASS
NVNT	Band1		5	18300	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	640000	Test ID 10~15	135@67	DFT_BPSK	21.37	19	26	PASS
NVNT	Band1		5	18300	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	640000	Test ID 10~15	135@67	DFT_QPSK	21.35	19	26	PASS
NVNT	Band1		5	18575	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	650000	Test ID 10~15	1@271	DFT_BPSK	21.09	19	26	PASS
NVNT	Band1		5	18575	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	650000	Test ID 10~15	135@67	DFT_BPSK	21.65	19	26	PASS
NVNT	Band1		5	18575	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	650000	Test ID 10~15	1@271	DFT_QPSK	21.02	19	26	PASS
NVNT	Band1		5	18575	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	650000	Test ID 10~15	135@67	DFT_QPSK	21.62	19	26	PASS

Condition	Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	Test ID	RB Allocation	Modulation	Power (dBm)	Low Limit (dBm)	High Limit (dBm)	Verdict
NVNT	Band3		5	19225	Test ID 1~6	1@LOW	QPSK				
NVNT	n78(3400-3800)	30	20	627334	Test ID 1~6	1@1	DFT_BPSK				
NVNT	Sum				Test ID 1~6			22.82	19	26	PASS
NVNT	Band3		5	19225	Test ID 1~6	8@LOW	QPSK				
NVNT	n78(3400-3800)	30	20	627334	Test ID 1~6	25@12	DFT_BPSK				
NVNT	Sum				Test ID 1~6			22.84	19	26	PASS
NVNT	Band3		5	19225	Test ID 1~6	1@LOW	QPSK				
NVNT	n78(3400-3800)	30	20	627334	Test ID 1~6	1@1	DFT_QPSK				
NVNT	Sum				Test ID 1~6			22.79	19	26	PASS
NVNT	Band3		5	19225	Test ID 1~6	8@LOW	QPSK				
NVNT	n78(3400-3800)	30	20	627334	Test ID 1~6	25@12	DFT_QPSK				
NVNT	Sum				Test ID 1~6			22.85	19	26	PASS
NVNT	Band3		5	19575	Test ID 1~6	8@LOW	QPSK				
NVNT	n78(3400-3800)	30	20	640000	Test ID 1~6	25@12	DFT_BPSK				
NVNT	Sum				Test ID 1~6			22.31	19	26	PASS
NVNT	Band3		5	19575	Test ID 1~6	8@LOW	QPSK				
NVNT	n78(3400-3800)	30	20	640000	Test ID 1~6	25@12	DFT_QPSK				
NVNT	Sum				Test ID 1~6			22.3	19	26	PASS
NVNT	Band3		5	19925	Test ID 1~6	1@HIGH	QPSK				
NVNT	n78(3400-3800)	30	20	652666	Test ID 1~6	1@49	DFT_BPSK				
NVNT	Sum				Test ID 1~6			22.2	19	26	PASS
NVNT	Band3		5	19925	Test ID 1~6	8@HIGH	QPSK				
NVNT	n78(3400-3800)	30	20	652666	Test ID 1~6	25@12	DFT_BPSK				
NVNT	Sum				Test ID 1~6			22.25	19	26	PASS
NVNT	Band3		5	19925	Test ID 1~6	1@HIGH	QPSK				
NVNT	n78(3400-3800)	30	20	652666	Test ID 1~6	1@49	DFT_QPSK				
NVNT	Sum				Test ID 1~6			22.23	19	26	PASS
NVNT	Band3		5	19925	Test ID 1~6	8@HIGH	QPSK				
NVNT	n78(3400-3800)	30	20	652666	Test ID 1~6	25@12	DFT_QPSK				
NVNT	Sum				Test ID 1~6			22.27	19	26	PASS
NVNT	Band3		20	19300	Test ID 1~6	1@LOW	QPSK				
NVNT	n78(3400-3800)	30	100	630000	Test ID 1~6	1@1	DFT_BPSK				
NVNT	Sum				Test ID 1~6			22.89	19	26	PASS
NVNT	Band3		20	19300	Test ID	18@LOW	QPSK				

					1~6						
NVNT	n78(3400-3800)	30	100	630000	Test ID 1~6	135@67	DFT_BPSK				
NVNT	Sum				Test ID 1~6			23.01	19	26	PASS
NVNT	Band3		20	19300	Test ID 1~6	1@LOW	QPSK				
NVNT	n78(3400-3800)	30	100	630000	Test ID 1~6	1@1	DFT_QPSK				
NVNT	Sum				Test ID 1~6			22.85	19	26	PASS
NVNT	Band3		20	19300	Test ID 1~6	18@LOW	QPSK				
NVNT	n78(3400-3800)	30	100	630000	Test ID 1~6	135@67	DFT_QPSK				
NVNT	Sum				Test ID 1~6			22.98	19	26	PASS
NVNT	Band3		20	19575	Test ID 1~6	18@LOW	QPSK				
NVNT	n78(3400-3800)	30	100	640000	Test ID 1~6	135@67	DFT_BPSK				
NVNT	Sum				Test ID 1~6			22.64	19	26	PASS
NVNT	Band3		20	19575	Test ID 1~6	18@LOW	QPSK				
NVNT	n78(3400-3800)	30	100	640000	Test ID 1~6	135@67	DFT_QPSK				
NVNT	Sum				Test ID 1~6			22.66	19	26	PASS
NVNT	Band3		20	19850	Test ID 1~6	1@HIGH	QPSK				
NVNT	n78(3400-3800)	30	100	650000	Test ID 1~6	1@271	DFT_BPSK				
NVNT	Sum				Test ID 1~6			22.45	19	26	PASS
NVNT	Band3		20	19850	Test ID 1~6	18@HIGH	QPSK				
NVNT	n78(3400-3800)	30	100	650000	Test ID 1~6	135@67	DFT_BPSK				
NVNT	Sum				Test ID 1~6			22.66	19	26	PASS
NVNT	Band3		20	19850	Test ID 1~6	1@HIGH	QPSK				
NVNT	n78(3400-3800)	30	100	650000	Test ID 1~6	1@271	DFT_QPSK				
NVNT	Sum				Test ID 1~6			22.43	19	26	PASS
NVNT	Band3		20	19850	Test ID 1~6	18@HIGH	QPSK				
NVNT	n78(3400-3800)	30	100	650000	Test ID 1~6	135@67	DFT_QPSK				
NVNT	Sum				Test ID 1~6			22.69	19	26	PASS
NVNT	Band3		5	19225	Test ID 7~9	1@LOW	QPSK	22.94	19	26	PASS
NVNT	n78(3400-3800)	30	20	627334	Test ID 7~9	NA	NA				
NVNT	Band3		5	19225	Test ID 7~9	8@LOW	QPSK	22.99	19	26	PASS
NVNT	n78(3400-3800)	30	20	627334	Test ID 7~9	NA	NA				
NVNT	Band3		5	19575	Test ID 7~9	8@LOW	QPSK	23.45	19	26	PASS
NVNT	n78(3400-3800)	30	20	640000	Test ID 7~9	NA	NA				
NVNT	Band3		5	19925	Test ID 7~9	1@HIGH	QPSK	21.72	19	26	PASS
NVNT	n78(3400-3800)	30	20	652666	Test ID 7~9	NA	NA				

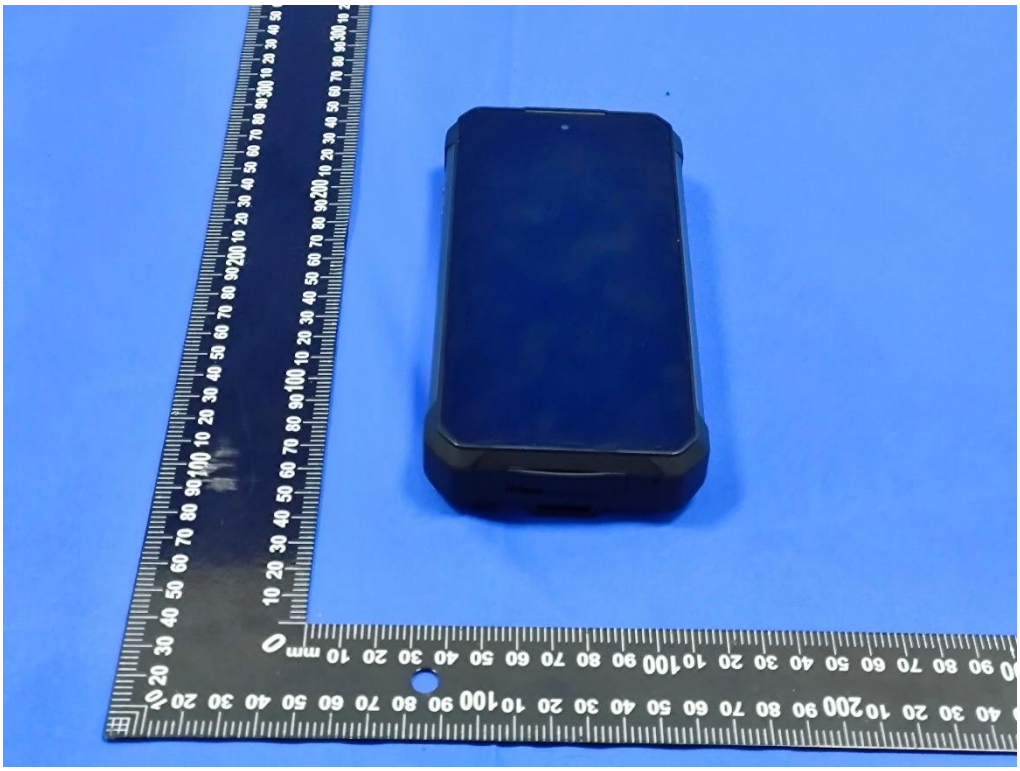
NVNT	Band3		5	19925	Test ID 7~9	8@LOW	QPSK	22.29	19	26	PASS
NVNT	n78(3400-3800)	30	20	652666	Test ID 7~9	NA	NA				
NVNT	Band3		20	19300	Test ID 7~9	1@LOW	QPSK	22.75	19	26	PASS
NVNT	n78(3400-3800)	30	20	627334	Test ID 7~9	NA	NA				
NVNT	Band3		20	19300	Test ID 7~9	18@LOW	QPSK	23.14	19	26	PASS
NVNT	n78(3400-3800)	30	20	627334	Test ID 7~9	NA	NA				
NVNT	Band3		20	19575	Test ID 7~9	18@LOW	QPSK	22.74	19	26	PASS
NVNT	n78(3400-3800)	30	20	640000	Test ID 7~9	NA	NA				
NVNT	Band3		20	19850	Test ID 7~9	1@HIGH	QPSK	21.72	19	26	PASS
NVNT	n78(3400-3800)	30	20	652666	Test ID 7~9	NA	NA				
NVNT	Band3		20	19850	Test ID 7~9	18@LOW	QPSK	22.48	19	26	PASS
NVNT	n78(3400-3800)	30	20	652666	Test ID 7~9	NA	NA				
NVNT	Band3		5	19225	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	627334	Test ID 10~15	1@1	DFT_BPSK	20.87	19	26	PASS
NVNT	Band3		5	19225	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	627334	Test ID 10~15	25@12	DFT_BPSK	20.87	19	26	PASS
NVNT	Band3		5	19225	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	627334	Test ID 10~15	1@1	DFT_QPSK	20.79	19	26	PASS
NVNT	Band3		5	19225	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	627334	Test ID 10~15	25@12	DFT_QPSK	20.87	19	26	PASS
NVNT	Band3		5	19575	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	640000	Test ID 10~15	25@12	DFT_BPSK	20.78	19	26	PASS
NVNT	Band3		5	19575	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	640000	Test ID 10~15	25@12	DFT_QPSK	20.78	19	26	PASS
NVNT	Band3		5	19925	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	652666	Test ID 10~15	1@49	DFT_BPSK	20.64	19	26	PASS
NVNT	Band3		5	19925	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	652666	Test ID 10~15	25@12	DFT_BPSK	20.75	19	26	PASS
NVNT	Band3		5	19925	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	652666	Test ID 10~15	1@49	DFT_QPSK	20.57	19	26	PASS
NVNT	Band3		5	19925	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	20	652666	Test ID 10~15	25@12	DFT_QPSK	20.75	19	26	PASS
NVNT	Band3		5	19225	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	630000	Test ID 10~15	1@1	DFT_BPSK	21.01	19	26	PASS

NVNT	Band3		5	19225	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	630000	Test ID 10~15	135@67	DFT_BPSK	21.58	19	26	PASS
NVNT	Band3		5	19225	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	630000	Test ID 10~15	1@1	DFT_QPSK	20.92	19	26	PASS
NVNT	Band3		5	19225	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	630000	Test ID 10~15	135@67	DFT_QPSK	21.59	19	26	PASS
NVNT	Band3		5	19575	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	640000	Test ID 10~15	135@67	DFT_BPSK	21.57	19	26	PASS
NVNT	Band3		5	19575	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	640000	Test ID 10~15	135@67	DFT_QPSK	21.57	19	26	PASS
NVNT	Band3		5	19925	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	650000	Test ID 10~15	1@271	DFT_BPSK	21.2	19	26	PASS
NVNT	Band3		5	19925	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	650000	Test ID 10~15	135@67	DFT_BPSK	21.83	19	26	PASS
NVNT	Band3		5	19925	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	650000	Test ID 10~15	1@271	DFT_QPSK	21.11	19	26	PASS
NVNT	Band3		5	19925	Test ID 10~15	NA	NA				
NVNT	n78(3400-3800)	30	100	650000	Test ID 10~15	135@67	DFT_QPSK	21.83	19	26	PASS

10. Test Photos and Results

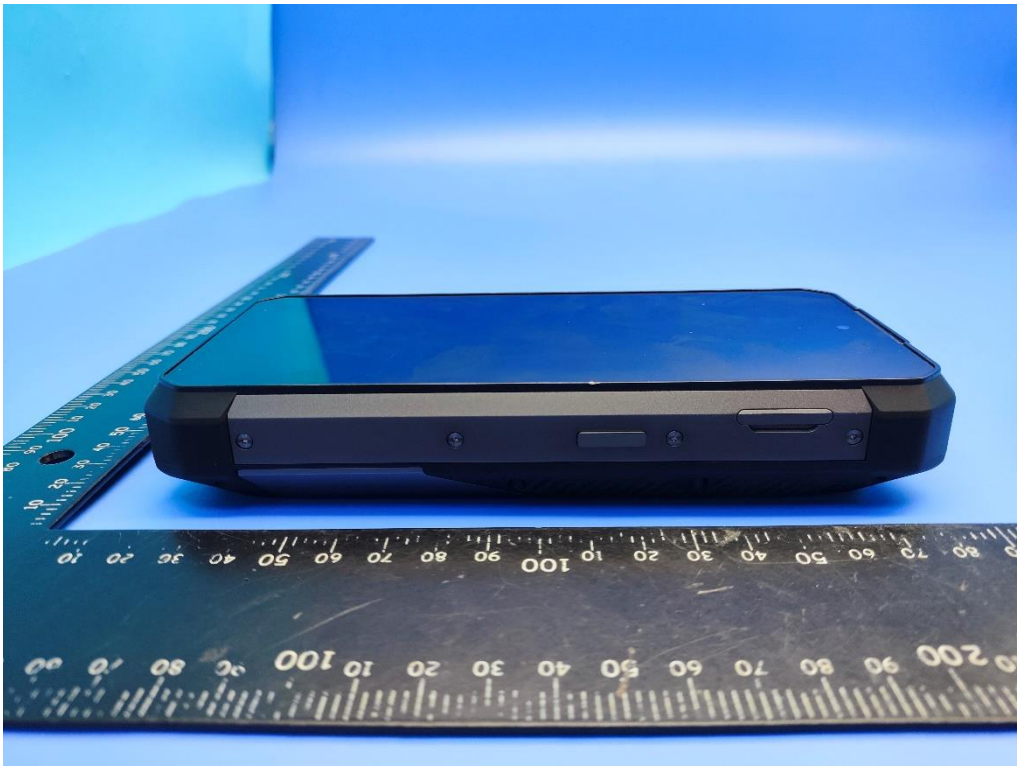
10.1 EUT Photos

Front side

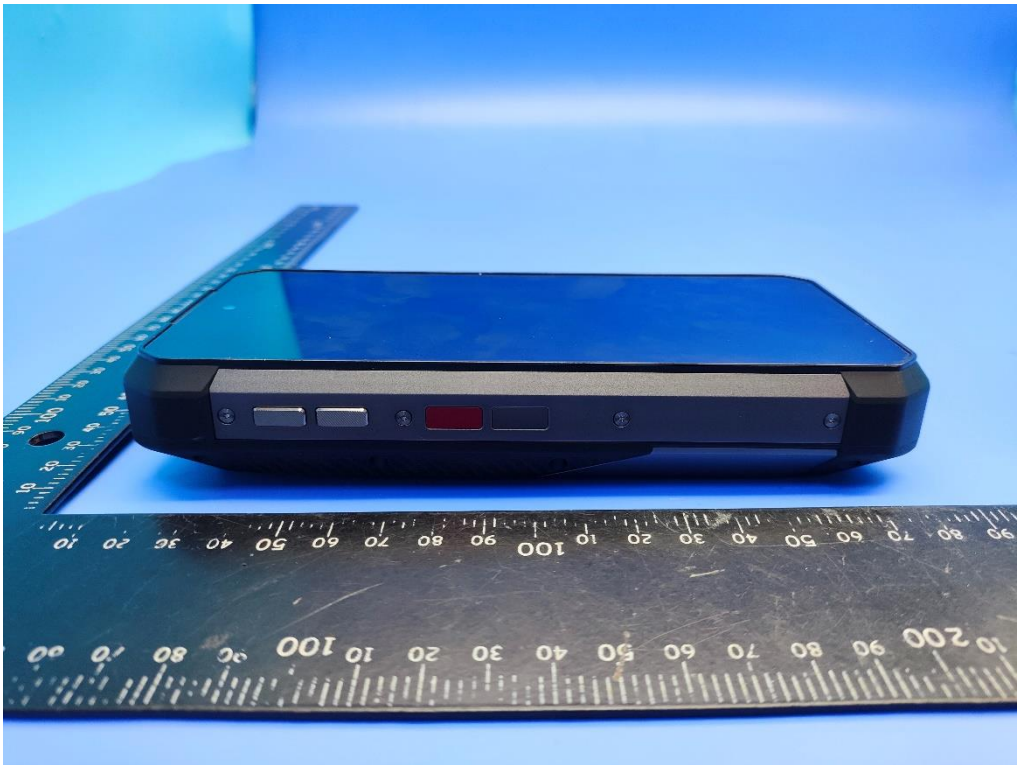


Back side

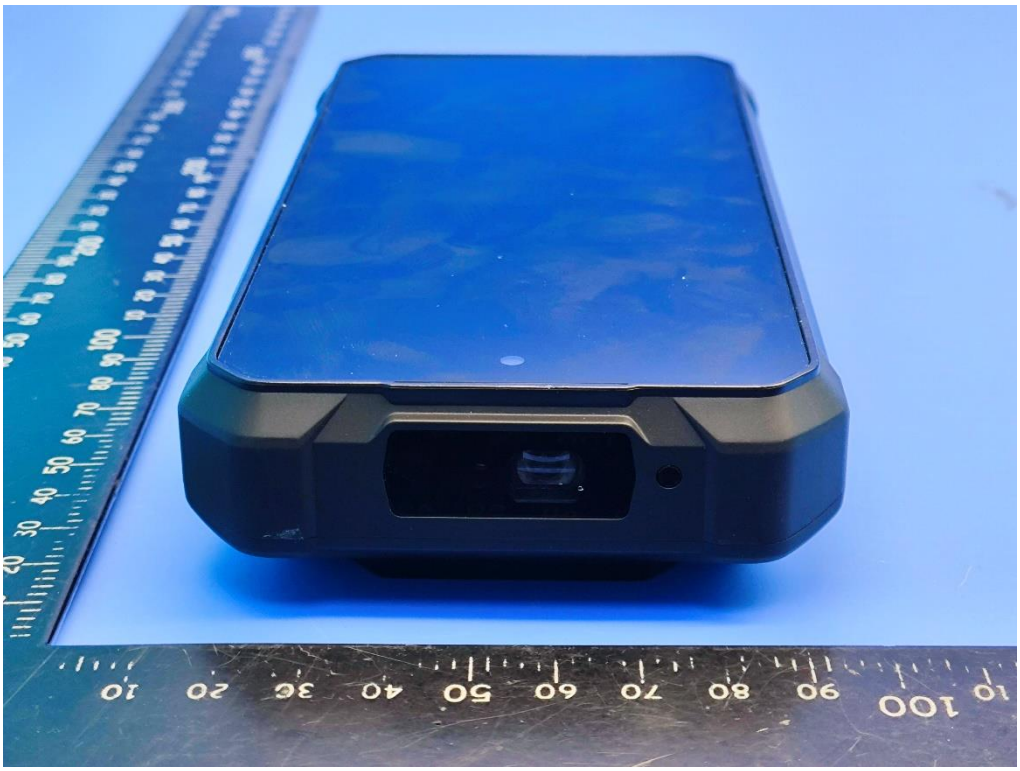
Right Edge



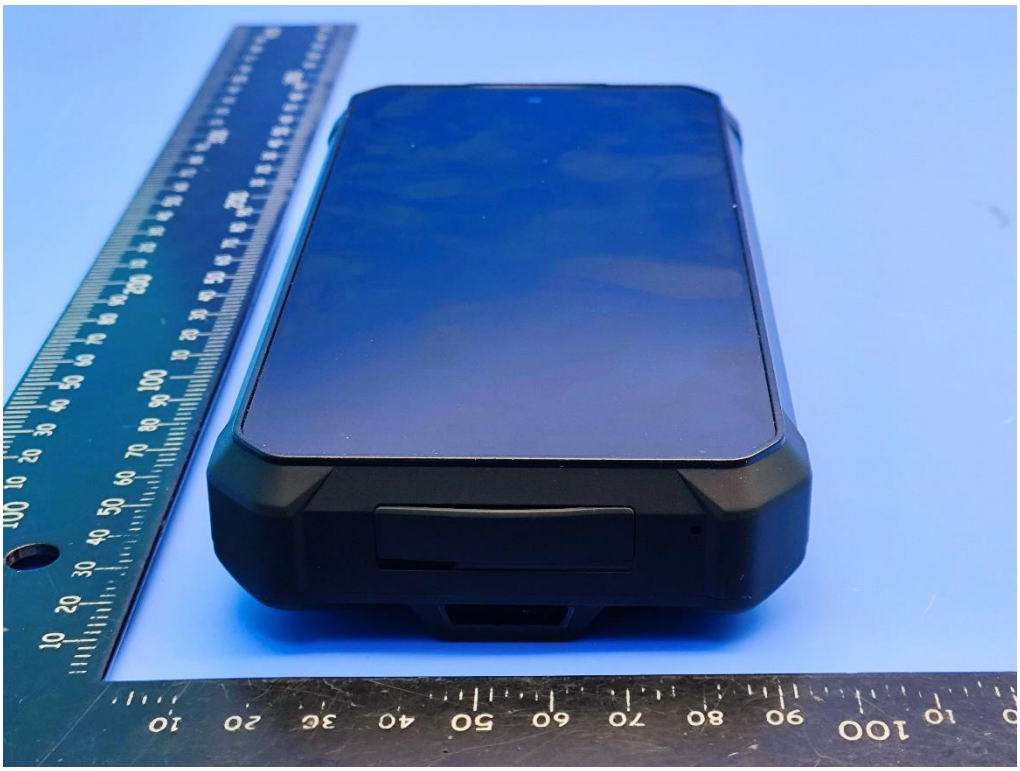
Left Edge



Top Edge

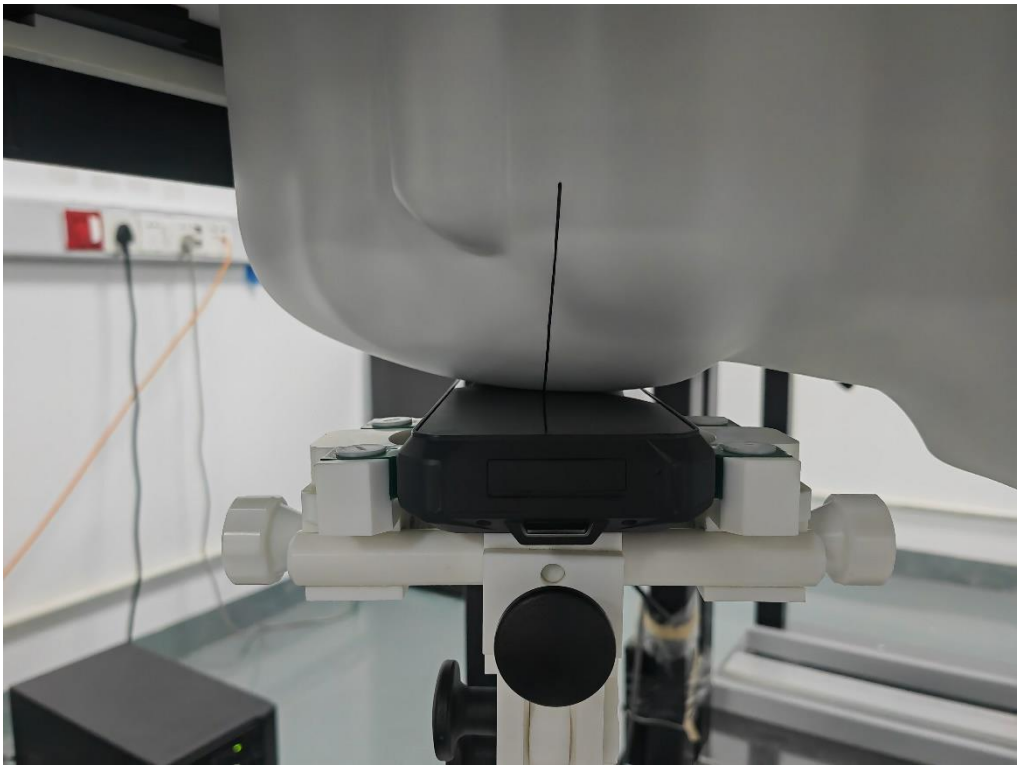


Bottom Edge

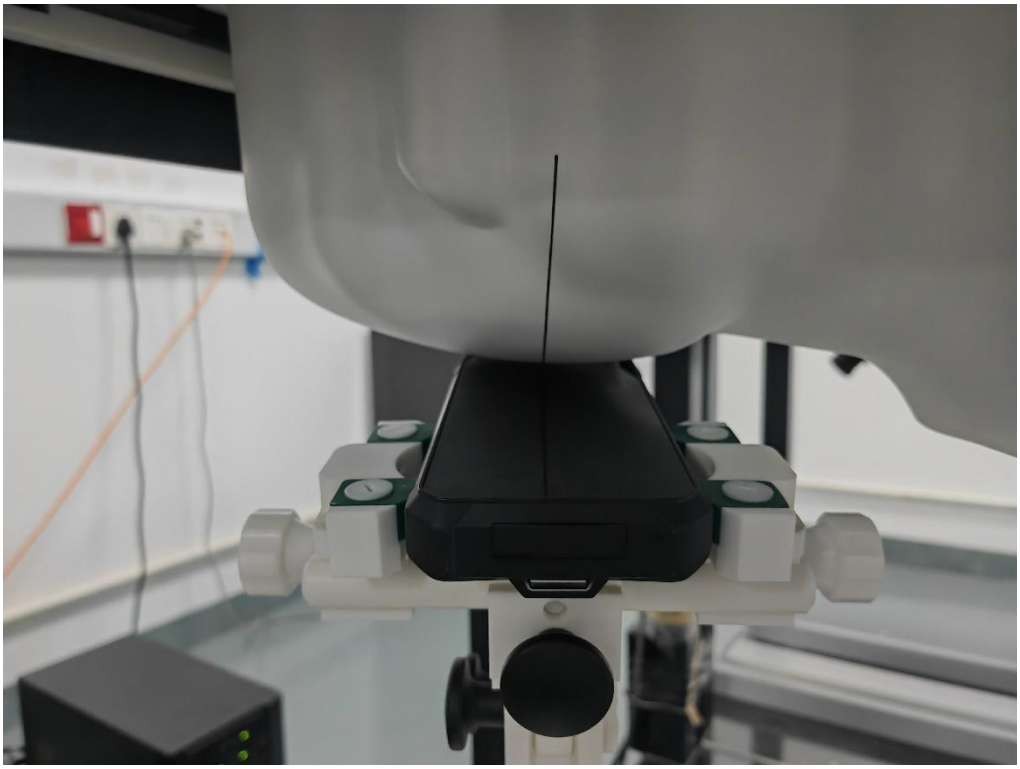


10.2 Setup Photos

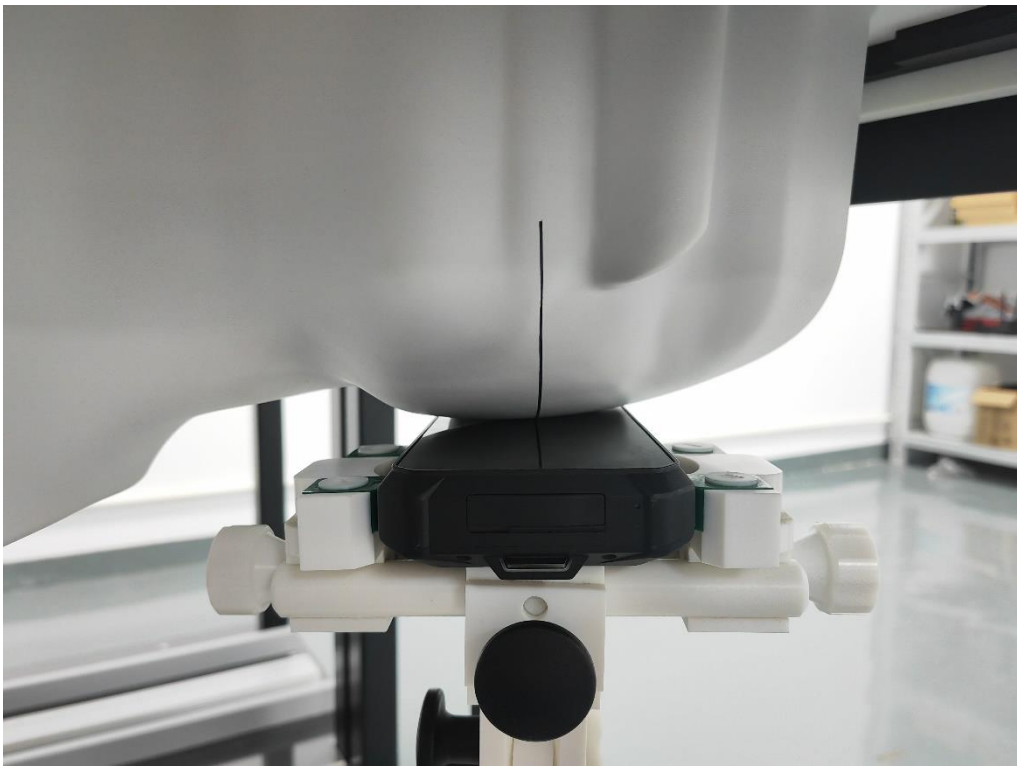
Right Touch



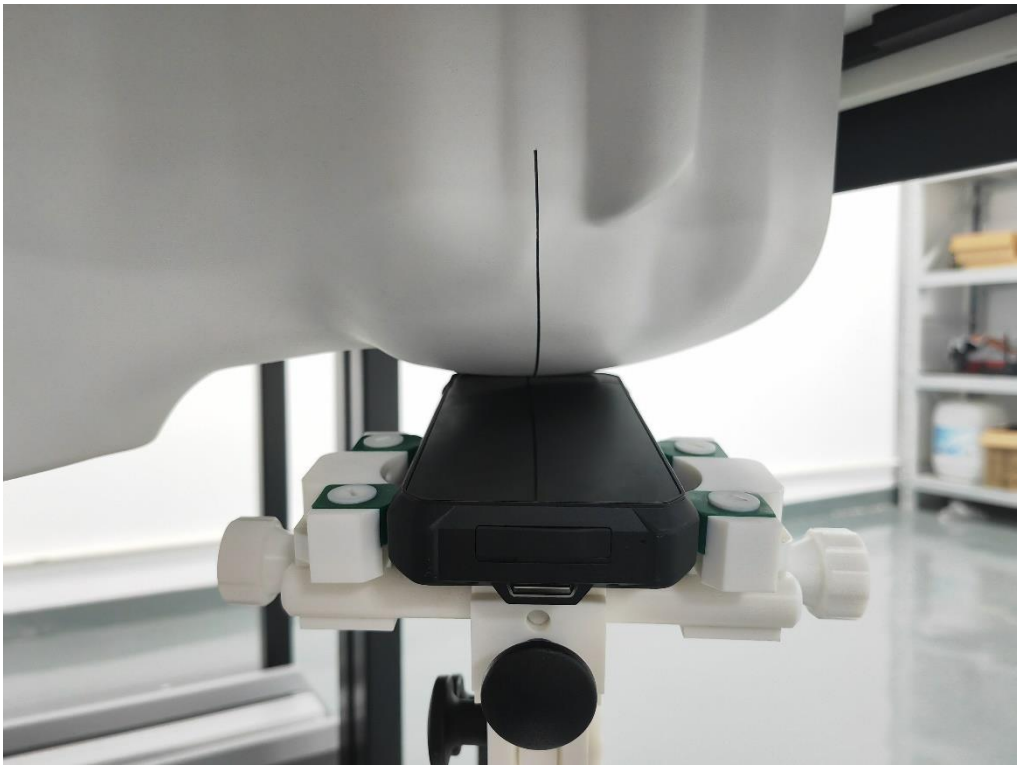
Right Tilt



Left Touch

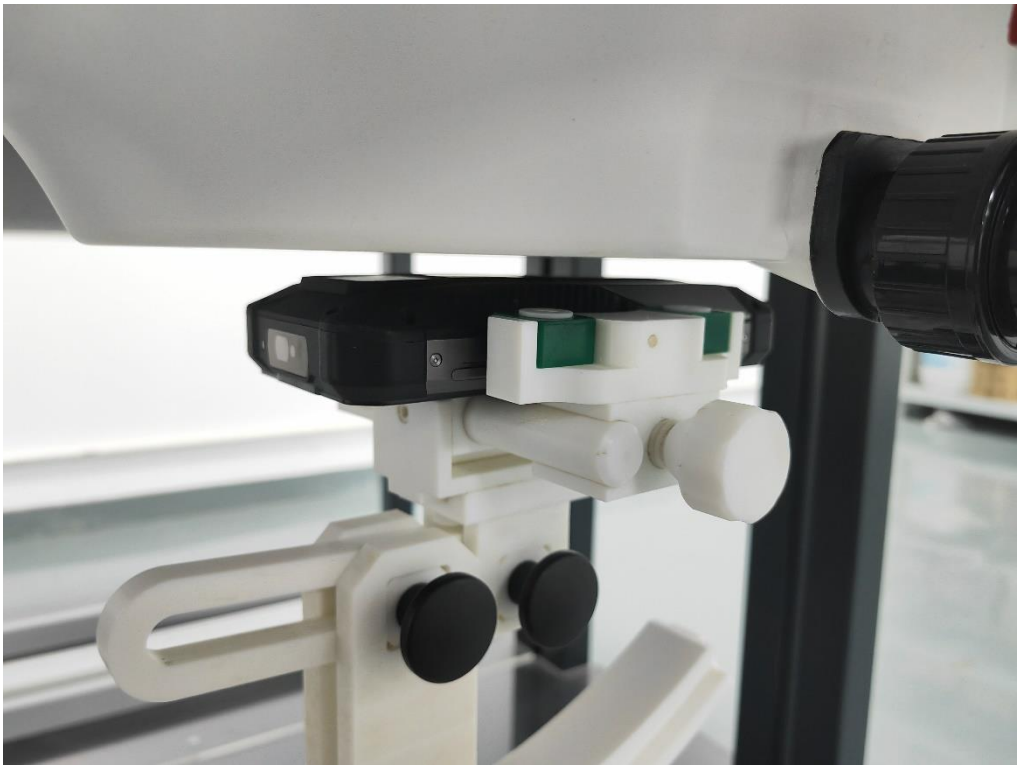


Left Tilt

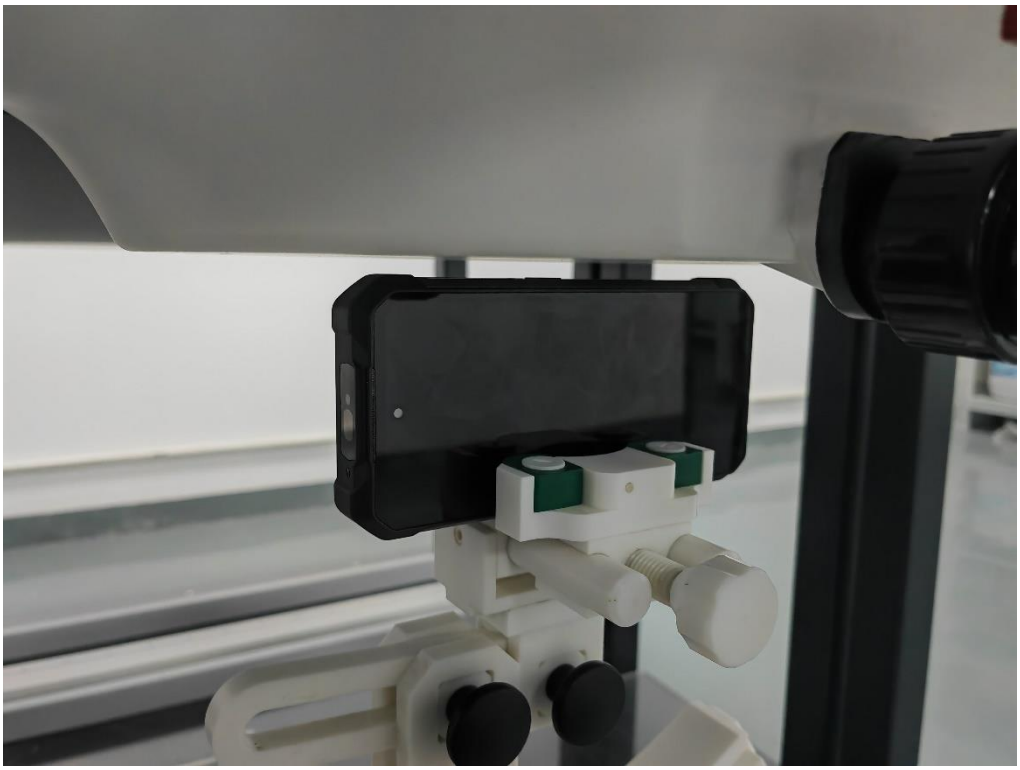


Body Front side

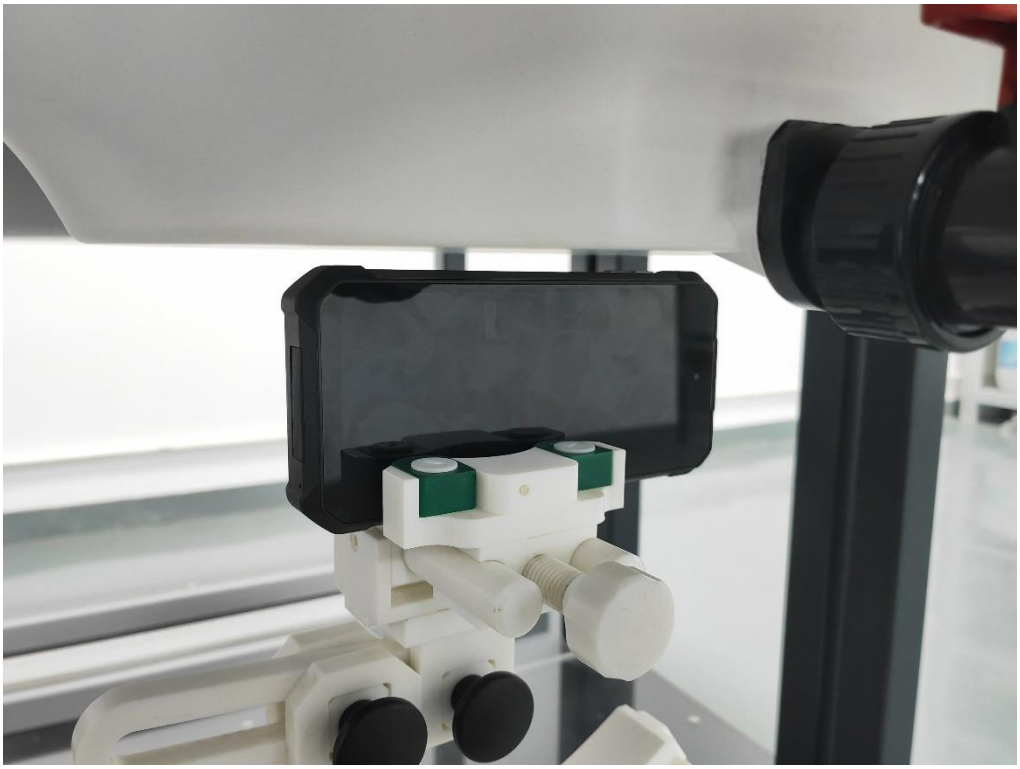
Body Back side



Body Right side

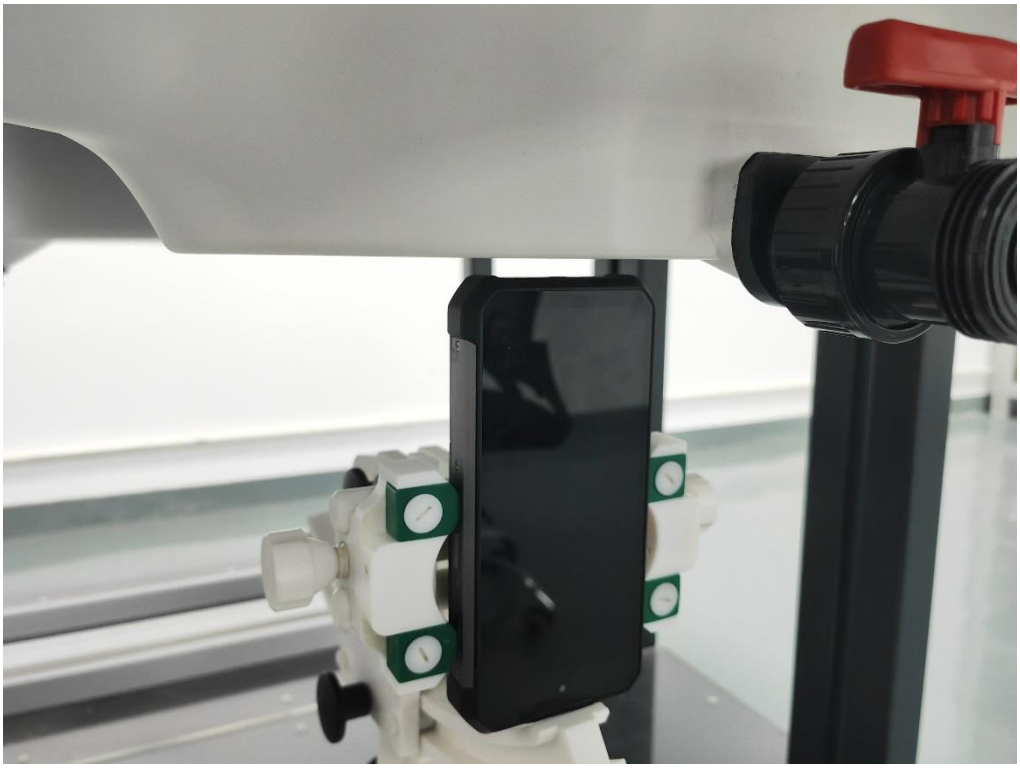


Body Left side

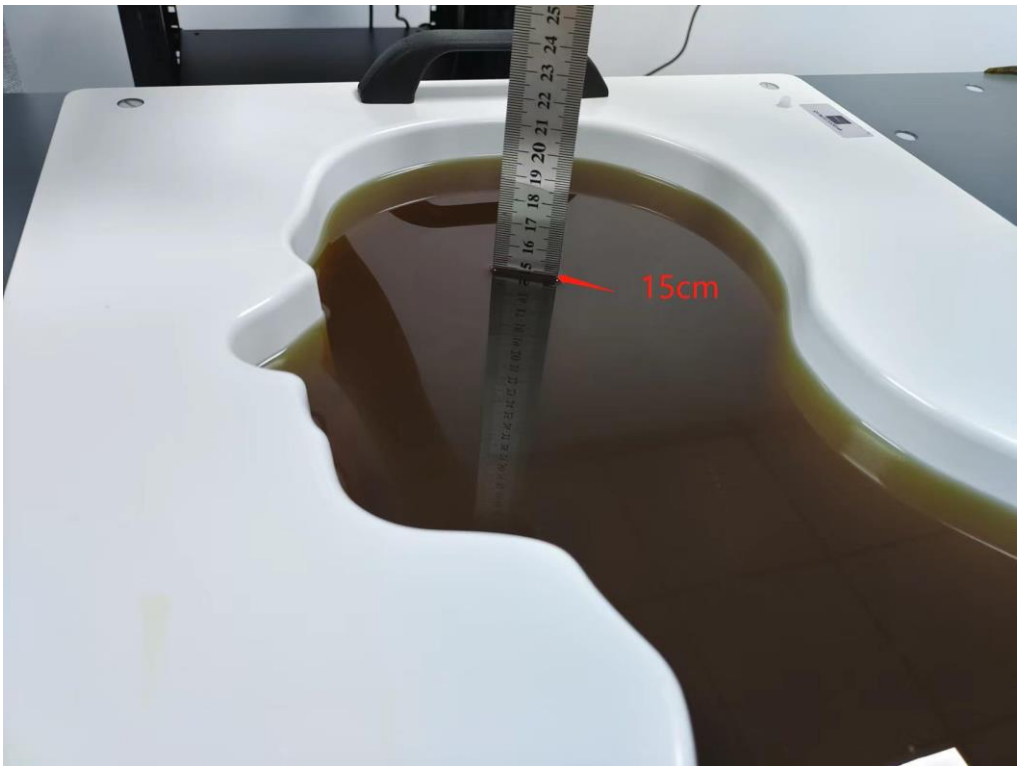


Top Edge

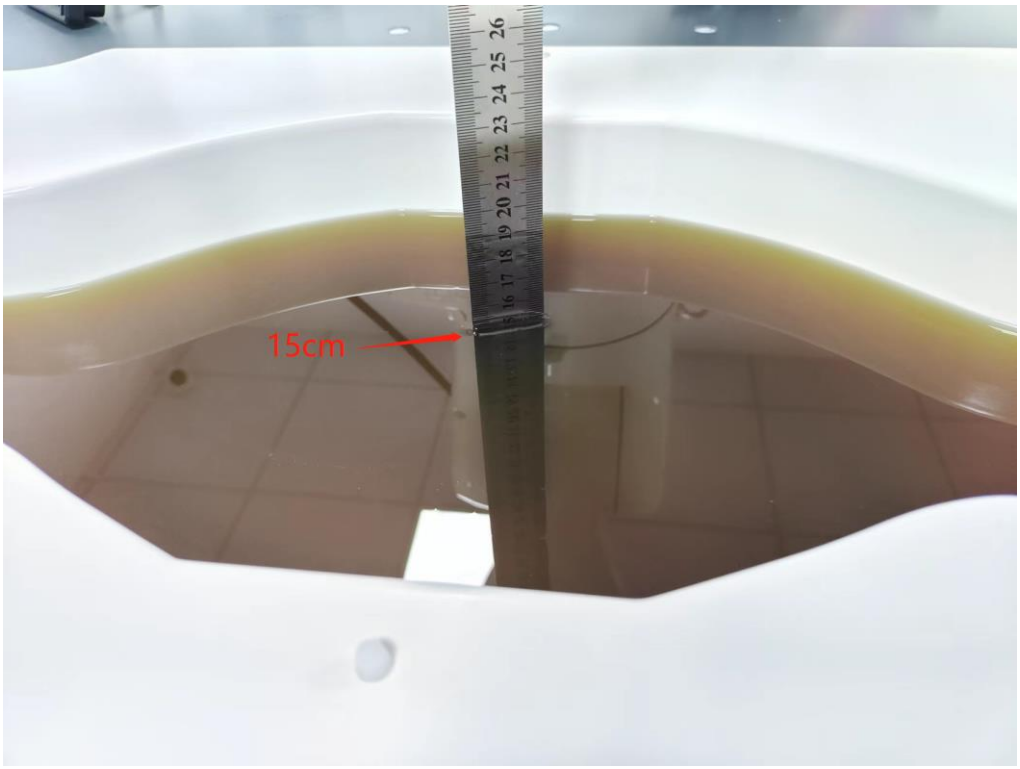
Bottom Edge



Liquid depth (15 cm)



Liquid depth (15 cm)



11. SAR Result Summary

11.1 Head SAR

Band	Model	Test Position	Freq.	SAR (10g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
GSM900	Voice	Right Cheek	902.4	0.163	2.21	34.00	33.25	**0.194**	**1**
		Right Tilt	902.4	0.129	-2.33	34.00	33.25	0.153	/
		Left Cheek	902.4	0.159	-3.49	34.00	33.25	0.189	/
		Left Tilt	902.4	0.130	2.59	34.00	33.25	0.155	/
GSM1800	Voice	Right Cheek	1784.8	0.061	-0.29	31.50	31.43	**0.062**	**3**
		Right Tilt	1784.8	0.055	2.38	31.50	31.43	0.056	/
		Left Cheek	1784.8	0.060	1.10	31.50	31.43	0.061	/
		Left Tilt	1784.8	0.052	-3.49	31.50	31.43	0.053	/
WCDMA Band I	RMC	Right Cheek	1922.4	0.063	2.25	25.00	24.63	0.069	/
		Right Tilt	1922.4	0.060	-1.06	25.00	24.63	0.065	/
		Left Cheek	1922.4	0.072	1.34	25.00	24.63	**0.078**	**5**
		Left Tilt	1922.4	0.067	3.15	25.00	24.63	0.073	/
WCDMA Band VIII	RMC	Right Cheek	897.4	0.137	-1.91	25.00	24.66	0.148	/
		Right Tilt	897.4	0.106	2.38	25.00	24.66	0.115	/
		Left Cheek	897.4	0.154	-3.18	25.00	24.66	**0.167**	**7**
		Left Tilt	897.4	0.127	0.22	25.00	24.66	0.137	/
LTE Band 1	20MHz BW, 1RB Offset 0	Right Cheek	1930	0.047	3.19	25.00	24.60	0.052	/
		Right Tilt	1930	0.043	-0.44	25.00	24.60	0.047	/
		Left Cheek	1930	0.053	1.24	25.00	24.60	**0.058**	**9**
		Left Tilt	1930	0.049	1.23	25.00	24.60	0.054	/
LTE Band 3	20MHz BW, 1RB Offset 0	Right Cheek	1747.5	0.058	3.82	25.00	23.74	0.078	/
		Right Tilt	1747.5	0.053	-0.21	25.00	23.74	0.071	/
		Left Cheek	1747.5	0.061	1.05	25.00	23.74	**0.082**	**11**
		Left Tilt	1747.5	0.056	-1.91	25.00	23.74	0.075	/
LTE Band 7	20MHz BW, 1RB Offset 0	Right Cheek	2510	0.077	-1.73	24.00	23.47	0.087	/
		Right Tilt	2510	0.071	2.89	24.00	23.47	0.080	/
		Left Cheek	2510	0.087	1.82	24.00	23.47	**0.098**	**13**
		Left Tilt	2510	0.082	1.43	24.00	23.47	0.093	/
LTE Band 8	10MHz BW, 12RB Offset 0	Right Cheek	885	0.119	-2.45	25.00	24.69	0.128	/
		Right Tilt	885	0.090	-1.73	25.00	24.69	0.097	/
		Left Cheek	885	0.154	-1.86	25.00	24.69	**0.165**	**15**
		Left Tilt	885	0.124	-1.62	25.00	24.69	0.133	/
LTE Band 20	20MHz BW, 1RB Offset 0	Right Cheek	842	0.132	0.08	22.00	21.59	**0.145**	**17**
		Right Tilt	842	0.103	-2.19	22.00	21.59	0.113	/
		Left Cheek	842	0.126	0.04	22.00	21.59	0.138	/
		Left Tilt	842	0.096	2.16	22.00	21.59	0.106	/
LTE Band 28	20MHz BW, 1RB Offset 0	Right Cheek	713	0.137	-1.63	25.00	24.66	0.148	/
		Right Tilt	713	0.109	4.00	25.00	24.66	0.118	/
		Left Cheek	713	0.153	0.61	25.00	24.66	**0.165**	**19**
		Left Tilt	713	0.116	-0.48	25.00	24.66	0.125	/

LTE Band 34	15MHz BW, 16RB Offset 0	Right Cheek	2017.5	0.060	-0.19	24.50	24.12	0.065	/
		Right Tilt	2017.5	0.054	1.62	24.50	24.12	0.059	/
		Left Cheek	2017.5	0.090	-0.20	24.50	24.12	**0.098**	**21**
		Left Tilt	2017.5	0.084	-2.20	24.50	24.12	0.092	/
LTE Band 38	20MHz BW, 1RB Offset 0	Right Cheek	2580	0.087	2.61	24.00	23.50	0.098	/
		Right Tilt	2580	0.082	3.78	24.00	23.50	0.092	/
		Left Cheek	2580	0.094	-1.35	24.00	23.50	**0.105**	**23**
		Left Tilt	2580	0.083	-1.23	24.00	23.50	0.093	/
LTE Band 40	20MHz BW, 1RB Offset 0	Right Cheek	2350	0.124	-3.25	24.50	23.79	**0.146**	**25**
		Right Tilt	2350	0.093	3.79	24.50	23.79	0.110	/
		Left Cheek	2350	0.119	2.26	24.50	23.79	0.140	/
		Left Tilt	2350	0.086	2.84	24.50	23.79	0.101	/
LTE Band 42	20MHz BW, 1RB Offset 0	Right Cheek	2310	0.123	-0.95	22.50	21.78	0.145	/
		Right Tilt	2310	0.097	-2.34	22.50	21.78	0.114	/
		Left Cheek	2310	0.180	1.97	22.50	21.78	**0.212**	**27**
		Left Tilt	2310	0.131	-3.28	22.50	21.78	0.155	/
2.4GHz WLAN ANT 1	802.11n-HT40	Right Cheek	2412	0.044	1.90	14.50	14.30	0.046	/
		Right Tilt	2412	0.061	0.34	14.50	14.30	0.064	/
		Left Cheek	2412	0.047	1.65	14.50	14.30	0.049	/
		Left Tilt	2412	0.067	-0.83	14.50	14.30	**0.070**	**29**
2.4GHz WLAN ANT 2	802.11b	Right Cheek	2412	0.066	0.77	15.50	15.22	0.070	/
		Right Tilt	2412	0.093	-1.99	15.50	15.22	0.099	/
		Left Cheek	2412	0.078	-1.27	15.50	15.22	0.083	/
		Left Tilt	2412	0.104	2.73	15.50	15.22	**0.111**	**31**
2.4GHz WLAN ANT 1 MIMO	802.11n-HT20	Right Cheek	2412	0.045	1.48	18.50	18.05	0.050	/
		Right Tilt	2412	0.039	-2.33	18.50	18.05	0.043	/
		Left Cheek	2412	0.043	-0.80	18.50	18.05	0.048	/
		Left Tilt	2412	0.047	-2.60	18.50	18.05	**0.052**	**33**
2.4GHz WLAN ANT 2 MIMO	802.11n-HT20	Right Cheek	2412	0.04	-2.99	18.50	18.05	0.044	/
		Right Tilt	2412	0.042	0.44	18.50	18.05	0.047	/
		Left Cheek	2412	0.039	0.07	18.50	18.05	0.043	/
		Left Tilt	2412	0.054	3.99	18.50	18.05	**0.060**	**35**
5.2GHz WLAN ANT 1	802.11a	Right Cheek	5180	0.103	3.44	13.00	12.73	0.110	/
		Right Tilt	5180	0.147	-3.85	13.00	12.73	0.156	/
		Left Cheek	5180	0.116	-3.51	13.00	12.73	0.123	/
		Left Tilt	5180	0.155	3.36	13.00	12.73	**0.165**	**37**
5.2GHz WLAN ANT 2	802.11ax80	Right Cheek	5210	0.139	2.79	10.50	10.00	0.156	/
		Right Tilt	5210	0.196	-2.36	10.50	10.00	**0.220**	**39**
		Left Cheek	5210	0.107	-3.72	10.50	10.00	0.120	/
		Left Tilt	5210	0.147	-2.92	10.50	10.00	0.165	/
5.2GHz WLAN ANT 1 MIMO	802.11ax80	Right Cheek	5210	0.04	2.41	14.50	14.33	0.042	/
		Right Tilt	5210	0.031	0.11	14.50	14.33	0.032	/
		Left Cheek	5210	0.041	-0.47	14.50	14.33	0.043	/
		Left Tilt	5210	0.044	-1.38	14.50	14.33	**0.046**	**41**
5.2GHz WLAN ANT 2 MIMO	802.11ax80	Right Cheek	5210	0.049	2.37	14.50	14.33	0.051	/
		Right Tilt	5210	0.058	3.30	14.50	14.33	0.060	/
		Left Cheek	5210	0.066	2.81	14.50	14.33	0.069	/
		Left Tilt	5210	0.071	-2.82	14.50	14.33	**0.074**	**43**

5.3GHz WLAN ANT 1	802.11ax80	Right Cheek	5290	0.093	-0.49	14.00	13.15	0.113	/
		Right Tilt	5290	0.133	0.23	14.00	13.15	0.162	/
		Left Cheek	5290	0.114	1.11	14.00	13.15	0.139	/
		Left Tilt	5290	0.151	-1.24	14.00	13.15	**0.184**	**45**
5.3GHz WLAN ANT 2	802.11a	Right Cheek	5320	0.108	-0.71	12.00	11.96	0.109	/
		Right Tilt	5320	0.153	-3.89	12.00	11.96	**0.154**	**47**
		Left Cheek	5320	0.104	2.87	12.00	11.96	0.105	/
		Left Tilt	5320	0.140	-1.87	12.00	11.96	0.141	/
5.3GHz WLAN ANT 1 MIMO	802.11ax80	Right Cheek	5290	0.081	3.10	16.00	15.57	0.089	/
		Right Tilt	5290	0.089	-0.76	16.00	15.57	0.098	/
		Left Cheek	5290	0.108	-2.76	16.00	15.57	0.119	/
		Left Tilt	5290	0.137	-0.49	16.00	15.57	**0.151**	**49**
5.3GHz WLAN ANT 2 MIMO	802.11ax80	Right Cheek	5290	0.057	-3.21	16.00	15.57	0.063	/
		Right Tilt	5290	0.076	-0.89	16.00	15.57	0.084	/
		Left Cheek	5290	0.077	0.10	16.00	15.57	0.085	/
		Left Tilt	5290	0.104	-2.44	16.00	15.57	**0.115**	**51**
5.6GHz WLAN ANT 1	802.11a	Right Cheek	5500	0.158	1.80	14.00	13.63	0.172	/
		Right Tilt	5500	0.187	1.56	14.00	13.63	**0.204**	**53**
		Left Cheek	5500	0.138	1.31	14.00	13.63	0.150	/
		Left Tilt	5500	0.165	-1.56	14.00	13.63	0.180	/
5.6GHz WLAN ANT 2	802.11n-HT40	Right Cheek	5510	0.153	-3.28	13.00	12.96	0.154	/
		Right Tilt	5510	0.179	1.42	13.00	12.96	**0.181**	**55**
		Left Cheek	5510	0.140	-0.36	13.00	12.96	0.141	/
		Left Tilt	5510	0.154	0.35	13.00	12.96	0.155	/
5.6GHz WLAN ANT 1 MIMO	802.11n-HT20	Right Cheek	5500	0.12	3.05	16.50	16.11	0.131	/
		Right Tilt	5500	0.146	2.19	16.50	16.11	0.160	/
		Left Cheek	5500	0.126	1.46	16.50	16.11	0.138	/
		Left Tilt	5500	0.164	-1.50	16.50	16.11	**0.179**	**57**
5.6GHz WLAN ANT 2 MIMO	802.11n-HT20	Right Cheek	5500	0.058	1.32	16.50	16.11	0.063	/
		Right Tilt	5500	0.074	1.30	16.50	16.11	0.081	/
		Left Cheek	5500	0.067	-1.59	16.50	16.11	0.073	/
		Left Tilt	5500	0.082	2.66	16.50	16.11	**0.090**	**59**
5.8GHz WLAN ANT 1	802.11a	Right Cheek	5785	0.203	1.57	13.00	12.69	0.218	/
		Right Tilt	5785	0.246	-2.10	13.00	12.69	**0.264**	**61**
		Left Cheek	5785	0.186	-3.78	13.00	12.69	0.200	/
		Left Tilt	5785	0.211	-2.87	13.00	12.69	0.227	/
5.8GHz WLAN ANT 2	802.11n-HT20	Right Cheek	5785	0.197	-2.59	12.50	12.27	0.208	/
		Right Tilt	5785	0.218	-2.92	12.50	12.27	**0.230**	**63**
		Left Cheek	5785	0.177	-0.53	12.50	12.27	0.187	/
		Left Tilt	5785	0.197	0.60	12.50	12.27	0.208	/
5.8GHz WLAN ANT 1 MIMO	802.11ax80	Right Cheek	5775	0.127	2.16	14.00	13.85	0.131	/
		Right Tilt	5775	0.163	-2.80	14.00	13.85	0.169	/
		Left Cheek	5775	0.149	-3.69	14.00	13.85	0.154	/
		Left Tilt	5775	0.198	-2.61	14.00	13.85	**0.205**	**65**
5.8GHz WLAN ANT 2 MIMO	802.11ax80	Right Cheek	5775	0.066	-1.81	14.00	13.85	0.068	/
		Right Tilt	5775	0.085	-3.49	14.00	13.85	0.088	/
		Left Cheek	5775	0.084	-3.58	14.00	13.85	0.087	/
		Left Tilt	5775	0.096	1.82	14.00	13.85	**0.099**	**67**

SA N1	20MHz BW, 20RB Offset 25	Right Cheek	1950	0.145	3.10	23.00	22.34	0.169	/
		Right Tilt	1950	0.115	-1.70	23.00	22.34	0.134	/
		Left Cheek	1950	0.150	-0.62	23.00	22.34	**0.175**	**69**
		Left Tilt	1950	0.118	2.73	23.00	22.34	0.137	/
SA N3	30MHz 80RB offset 40	Right Cheek	1747.5	0.237	-0.63	22.00	22.78	0.198	/
		Right Tilt	1747.5	0.194	1.63	22.00	22.78	0.162	/
		Left Cheek	1747.5	0.262	-3.38	22.00	22.78	**0.219**	**71**
		Left Tilt	1747.5	0.209	-1.85	22.00	22.78	0.175	/
SA N7	20MHz 50RB offset 0	Right Cheek	2560	0.103	1.02	22.00	21.51	0.115	/
		Right Tilt	2560	0.078	2.72	22.00	21.51	0.087	/
		Left Cheek	2560	0.116	0.59	22.00	21.51	**0.130**	**73**
		Left Tilt	2560	0.096	1.03	22.00	21.51	0.107	/
SA N8	20MHz 50RB offset 25	Right Cheek	890	0.204	3.63	22.50	21.99	**0.229**	**75**
		Right Tilt	890	0.165	3.55	22.50	21.99	0.186	/
		Left Cheek	890	0.178	-0.48	22.50	21.99	0.200	/
		Left Tilt	890	0.129	1.30	22.50	21.99	0.145	/
SA N20	20MHz 50RB offset 25	Right Cheek	842	0.184	0.84	22.50	21.88	**0.212**	**77**
		Right Tilt	842	0.149	0.20	22.50	21.88	0.172	/
		Left Cheek	842	0.174	-2.68	22.50	21.88	0.201	/
		Left Tilt	842	0.123	-3.18	22.50	21.88	0.142	/
SA N28	20MHz 50RB offset 25	Right Cheek	712	0.162	-2.76	23.00	22.33	**0.189**	**79**
		Right Tilt	712	0.120	3.06	23.00	22.33	0.140	/
		Left Cheek	712	0.155	3.08	23.00	22.33	0.181	/
		Left Tilt	712	0.133	0.28	23.00	22.33	0.155	/
SA N38	20MHz 25RB offset 12	Right Cheek	2590	0.082	0.94	22.00	21.42	0.094	/
		Right Tilt	2590	0.057	-3.53	22.00	21.42	0.065	/
		Left Cheek	2590	0.086	0.36	22.00	21.42	**0.098**	**81**
		Left Tilt	2590	0.068	-2.63	22.00	21.42	0.078	/
SA N40	80MHz 108RB offset 54	Right Cheek	2340	0.167	2.63	23.50	22.74	0.199	/
		Right Tilt	2340	0.135	1.36	23.50	22.74	0.161	/
		Left Cheek	2340	0.199	-2.90	23.50	22.74	**0.237**	**83**
		Left Tilt	2340	0.159	0.29	23.50	22.74	0.189	/
SA N41	100MHz 135RB offset 67	Right Cheek	2640	0.105	-0.25	23.00	22.61	**0.115**	**85**
		Right Tilt	2640	0.090	-0.81	23.00	22.61	0.098	/
		Left Cheek	2640	0.072	0.54	23.00	22.61	0.079	/
		Left Tilt	2640	0.063	2.51	23.00	22.61	0.069	/
SA N77	100MHz 135RB offset 67	Right Cheek	3345	0.178	1.99	22.00	21.53	**0.198**	**87**
		Right Tilt	3345	0.117	-0.42	22.00	21.53	0.130	/
		Left Cheek	3345	0.151	-0.16	22.00	21.53	0.168	/
		Left Tilt	3345	0.119	3.11	22.00	21.53	0.133	/
SA N78	100MHz 135RB offset 67	Right Cheek	3350	0.130	3.16	22.00	21.48	**0.147**	**89**
		Right Tilt	3350	0.114	0.82	22.00	21.48	0.129	/
		Left Cheek	3350	0.108	3.95	22.00	21.48	0.122	/
		Left Tilt	3350	0.080	-2.81	22.00	21.48	0.090	/

Band	Mode	Max SAR (W/Kg)	WIFI MIMO
2.4G WLAN	802.11n-HT20 ANT 1	0.052	0.112
	802.11n-HT20 ANT 2	0.06	
5.2G WLAN	802.11ax80 ANT 1	0.046	0.120
	802.11ax80 ANT 2	0.074	
5.3G WLAN	802.11ax80 ANT 1	0.151	0.266
	802.11ax80 ANT 2	0.115	
5.6G WLAN	802.11n-HT20 ANT 1	0.179	0.269
	802.11n-HT20 ANT 2	0.090	
5.8G WLAN	802.11ax80 ANT 1	0.205	0.304
	802.11ax80 ANT 2	0.099	

NSA:

Band	Model	Test Position	Freq.	SAR (10g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
SA N78	20MHz 50RB offset 0	Right Cheek	3350	0.130	3.16	22.00	21.48	**0.147**	**89**
		Right Tilt	3350	0.114	0.82	22.00	21.48	0.129	/
		Left Cheek	3350	0.108	3.95	22.00	21.48	0.122	/
		Left Tilt	3350	0.080	-2.81	22.00	21.48	0.090	/
LTE Band 1	20MHz BW, 1RB Offset 0	Right Cheek	1930	0.047	3.19	25.00	24.60	0.052	/
		Right Tilt	1930	0.043	-0.44	25.00	24.60	0.047	/
		Left Cheek	1930	0.053	1.24	25.00	24.60	**0.058**	**9**
		Left Tilt	1930	0.049	1.23	25.00	24.60	0.054	/
LTE Band 3	20MHz BW, 1RB Offset 0	Right Cheek	1747.5	0.058	3.82	25.00	23.74	0.078	/
		Right Tilt	1747.5	0.053	-0.21	25.00	23.74	0.071	/
		Left Cheek	1747.5	0.061	1.05	25.00	23.74	**0.082**	**11**
		Left Tilt	1747.5	0.056	-1.91	25.00	23.74	0.075	/

Band	Mode	Max SAR(W/Kg) (W/Kg)	NSA N78+B1
NSA N78+B1	SA N78	0.147	0.205
	LTE B1	0.058	
Band	Mode	Max SAR(W/Kg)	NSA N78+B3
NSA N78+B3	SA N78	0.147	0.229
	LTE B3	0.082	

11.2 Body SAR

Band	Model	Test Position	Freq.	SAR (10g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
GSM900	Voice	Front Side	902.4	0.252	-0.04	34.00	33.25	0.300	/
		Back Side	902.4	0.279	-2.59	34.00	33.25	0.332	/
		Left Edge	902.4	0.307	-3.64	34.00	33.25	0.365	/
		Right Edge	902.4	0.250	1.20	34.00	33.25	0.297	/
		Top Edge	902.4	0.096	-1.50	34.00	33.25	0.114	/
		Bottom Edge	902.4	0.645	0.16	34.00	33.25	**0.767**	**2**
GSM1800	Voice	Front Side	1784.8	0.173	3.40	31.50	31.43	0.176	/
		Back Side	1784.8	0.177	-3.66	31.50	31.43	0.180	/
		Left Edge	1784.8	0.150	0.00	31.50	31.43	0.152	/
		Right Edge	1784.8	0.132	-3.87	31.50	31.43	0.134	/
		Top Edge	1784.8	0.085	3.35	31.50	31.43	0.086	/
		Bottom Edge	1784.8	0.628	-3.20	31.50	31.43	**0.638**	**4**
WCDMA Band I	RMC	Front Side	1922.4	0.240	-1.76	25.00	24.63	0.261	/
		Back Side	1922.4	0.230	2.41	25.00	24.63	0.250	/
		Left Edge	1922.4	0.191	1.47	25.00	24.63	0.208	/
		Right Edge	1922.4	0.186	-1.68	25.00	24.63	0.203	/
		Top Edge	1922.4	0.133	1.09	25.00	24.63	0.145	/
		Bottom Edge	1922.4	0.907	-2.29	25.00	24.63	**0.988**	**6**
WCDMA Band VIII	RMC	Front Side	897.4	0.147	2.17	25.00	24.66	0.159	/
		Back Side	897.4	0.197	1.26	25.00	24.66	0.213	/
		Left Edge	897.4	0.189	-1.37	25.00	24.66	0.204	/
		Right Edge	897.4	0.156	1.88	25.00	24.66	0.169	/
		Top Edge	897.4	0.089	2.68	25.00	24.66	0.096	/
		Bottom Edge	897.4	0.391	0.12	25.00	24.66	**0.423**	**8**
LTE Band 1	20MHz BW, 1RB Offset 0	Front Side	1930	0.234	0.28	25.00	24.60	0.257	/
		Back Side	1930	0.239	-0.20	25.00	24.60	0.262	/
		Left Edge	1930	0.189	1.71	25.00	24.60	0.207	/
		Right Edge	1930	0.184	2.01	25.00	24.60	0.202	/
		Top Edge	1930	0.098	-2.23	25.00	24.60	0.107	/
		Bottom Edge	1930	0.900	0.42	25.00	24.60	**0.987**	**10**
LTE Band 3	20MHz BW, 1RB Offset 0	Front Side	1747.5	0.245	-2.43	25.00	23.74	0.327	/
		Back Side	1747.5	0.254	0.25	25.00	23.74	0.339	/
		Left Edge	1747.5	0.204	0.89	25.00	23.74	0.273	/
		Right Edge	1747.5	0.204	2.03	25.00	23.74	0.273	/
		Top Edge	1747.5	0.164	-2.66	25.00	23.74	0.219	/
		Bottom Edge	1720	0.692	-0.19	25.00	23.49	0.980	/
		Bottom Edge	1747.5	0.946	-0.87	25.00	23.74	**1.264**	**12**
		Bottom Edge	1775	0.813	-1.88	25.00	23.55	1.135	/
LTE Band 7	20MHz BW, 1RB Offset 0	Front Side	2510	0.115	3.16	24.00	23.47	0.130	/
		Back Side	2510	0.172	-3.72	24.00	23.47	0.194	/
		Left Edge	2510	0.069	-1.10	24.00	23.47	0.078	/
		Right Edge	2510	0.079	-3.99	24.00	23.47	0.089	/
		Top Edge	2510	0.061	-0.68	24.00	23.47	0.069	/
		Bottom Edge	2510	0.301	1.17	24.00	23.47	**0.340**	**14**

LTE Band 8	20MHz BW, 12RB Offset 0	Front Side	885	0.154	-0.18	25.00	24.69	0.165	/
		Back Side	885	0.166	-3.34	25.00	24.69	0.178	/
		Left Edge	885	0.197	2.33	25.00	24.69	0.212	/
		Right Edge	885	0.146	1.31	25.00	24.69	0.157	/
		Top Edge	885	0.110	-3.99	25.00	24.69	0.118	/
		Bottom Edge	885	0.401	0.11	25.00	24.69	**0.431**	**16**
LTE Band 20	20MHz BW, 1RB Offset 0	Front Side	842	0.166	0.18	22.00	21.59	0.182	/
		Back Side	842	0.199	0.43	22.00	21.59	0.219	/
		Left Edge	842	0.164	0.21	22.00	21.59	0.180	/
		Right Edge	842	0.124	3.89	22.00	21.59	0.136	/
		Top Edge	842	0.059	-2.68	22.00	21.59	0.065	/
		Bottom Edge	842	0.317	-0.29	22.00	21.59	**0.348**	**18**
LTE Band 28	20MHz BW, 1RB Offset 0	Front Side	713	0.116	-1.94	25.00	24.66	0.125	/
		Back Side	713	0.189	-0.19	25.00	24.66	0.204	/
		Left Edge	713	0.131	2.15	25.00	24.66	0.142	/
		Right Edge	713	0.100	-0.78	25.00	24.66	0.108	/
		Top Edge	713	0.043	-3.83	25.00	24.66	0.047	/
		Bottom Edge	713	0.255	1.94	25.00	24.66	**0.276**	**20**
LTE Band 34	15MHz BW, 16RB Offset 0	Front Side	2017.5	0.152	0.37	24.50	24.12	0.166	/
		Back Side	2017.5	0.114	3.39	24.50	24.12	0.124	/
		Left Edge	2017.5	0.174	0.93	24.50	24.12	0.190	/
		Right Edge	2017.5	0.146	-0.76	24.50	24.12	0.159	/
		Top Edge	2017.5	0.060	-2.47	24.50	24.12	0.065	/
		Bottom Edge	2017.5	0.368	2.61	24.50	24.12	**0.402**	**22**
LTE Band 38	20MHz BW, 1RB Offset 0	Front Side	2580	0.084	1.32	24.00	23.50	0.094	/
		Back Side	2580	0.108	-3.59	24.00	23.50	0.121	/
		Left Edge	2580	0.088	2.25	24.00	23.50	0.099	/
		Right Edge	2580	0.068	1.32	24.00	23.50	0.076	/
		Top Edge	2580	0.046	-0.59	24.00	23.50	0.052	/
		Bottom Edge	2580	0.180	3.81	24.00	23.50	**0.202**	**24**
LTE Band 40	20MHz BW, 1RB Offset 0	Front Side	2350	0.070	0.41	24.50	23.79	0.082	/
		Back Side	2350	0.109	2.77	24.50	23.79	0.128	/
		Left Edge	2350	0.096	3.38	24.50	23.79	0.113	/
		Right Edge	2350	0.066	-2.68	24.50	23.79	0.078	/
		Top Edge	2350	0.041	-2.82	24.50	23.79	0.048	/
		Bottom Edge	2350	0.175	-2.82	24.50	23.79	**0.206**	**26**
LTE Band 42	20MHz BW, 1RB Offset 0	Front Side	2310	0.184	2.10	22.50	21.78	0.217	/
		Back Side	2310	0.307	2.94	22.50	21.78	**0.362**	**28**
		Left Edge	2310	0.166	1.74	22.50	21.78	0.196	/
		Right Edge	2310	0.297	-3.92	22.50	21.78	0.351	/
		Top Edge	2310	0.086	-1.90	22.50	21.78	0.102	/
		Bottom Edge	2310	0.089	3.92	22.50	21.78	0.105	/
2.4GHz WLAN ANT 1	802.11n-HT40	Front Side	2412	0.088	1.71	14.50	14.30	0.092	/
		Back Side	2412	0.089	-2.45	14.50	14.30	0.093	/
		Left Edge	2412	0.129	-1.67	14.50	14.30	**0.135**	**30**
		Right Edge	2412	0.067	-3.18	14.50	14.30	0.070	/
		Top Edge	2412	0.076	-3.67	14.50	14.30	0.080	/
		Bottom Edge	2412	0.048	-0.28	14.50	14.30	0.050	/

2.4GHz WLAN ANT 2	802.11b	Front Side	2412	0.076	3.77	15.50	15.22	0.081	/
		Back Side	2412	0.076	-1.85	15.50	15.22	0.081	/
		Left Edge	2412	0.058	3.66	15.50	15.22	0.062	/
		Right Edge	2412	0.068	1.85	15.50	15.22	0.073	/
		Top Edge	2412	0.111	-2.44	15.50	15.22	**0.118**	**32**
		Bottom Edge	2412	0.043	-3.71	15.50	15.22	0.046	/
2.4GHz WLAN ANT 1 MIMO	802.11n-HT20	Front Side	2412	0.067	-1.84	18.50	18.05	0.074	/
		Back Side	2412	0.08	2.07	18.50	18.05	0.089	/
		Left Edge	2412	0.085	-2.12	18.50	18.05	0.094	/
		Right Edge	2412	0.069	-3.48	18.50	18.05	0.077	/
		Top Edge	2412	0.092	-2.00	18.50	18.05	**0.102**	**34**
		Bottom Edge	2412	0.038	-0.68	18.50	18.05	0.042	/
2.4GHz WLAN ANT 2 MIMO	802.11n-HT20	Front Side	2412	0.068	-3.42	18.50	18.05	0.075	/
		Back Side	2412	0.065	-0.69	18.50	18.05	0.072	/
		Left Edge	2412	0.057	-1.68	18.50	18.05	0.063	/
		Right Edge	2412	0.069	-2.11	18.50	18.05	0.077	/
		Top Edge	2412	0.078	-2.82	18.50	18.05	**0.087**	**36**
		Bottom Edge	2412	0.026	3.50	18.50	18.05	0.029	/
5.2GHz WLAN ANT 1	802.11a	Front Side	5180	0.163	-1.75	13.00	12.73	0.173	/
		Back Side	5180	0.179	0.92	13.00	12.73	0.190	/
		Left Edge	5180	0.141	0.55	13.00	12.73	0.150	/
		Right Edge	5180	0.118	-3.07	13.00	12.73	0.126	/
		Top Edge	5180	0.204	3.36	13.00	12.73	**0.217**	**38**
		Bottom Edge	5180	0.075	-0.01	13.00	12.73	0.080	/
5.2GHz WLAN ANT 2	802.11ax80	Front Side	5210	0.162	0.62	10.50	10.00	0.182	/
		Back Side	5210	0.173	-0.95	10.50	10.00	0.194	/
		Left Edge	5210	0.101	-3.21	10.50	10.00	0.113	/
		Right Edge	5210	0.132	1.23	10.50	10.00	0.148	/
		Top Edge	5210	0.197	-2.04	10.50	10.00	**0.221**	**40**
		Bottom Edge	5210	0.077	-1.86	10.50	10.00	0.086	/
5.2GHz WLAN ANT 1 MIMO	802.11ax80	Front Side	5210	0.135	-3.73	14.50	14.33	0.140	/
		Back Side	5210	0.159	2.70	14.50	14.33	0.165	/
		Left Edge	5210	0.165	-2.22	14.50	14.33	0.172	/
		Right Edge	5210	0.135	3.83	14.50	14.33	0.140	/
		Top Edge	5210	0.204	0.96	14.50	14.33	**0.212**	**42**
		Bottom Edge	5210	0.05	3.79	14.50	14.33	0.052	/
5.2GHz WLAN ANT 2 MIMO	802.11ax80	Front Side	5210	0.118	-2.14	14.50	14.33	0.123	/
		Back Side	5210	0.139	-1.92	14.50	14.33	0.145	/
		Left Edge	5210	0.137	-3.45	14.50	14.33	0.142	/
		Right Edge	5210	0.143	0.01	14.50	14.33	0.149	/
		Top Edge	5210	0.197	1.13	14.50	14.33	**0.205**	**44**
		Bottom Edge	5210	0.054	3.13	14.50	14.33	0.056	/
5.3GHz WLAN ANT 1	802.11ax80	Front Side	5290	0.180	0.40	14.00	13.15	0.219	/
		Back Side	5290	0.186	-2.71	14.00	13.15	0.226	/
		Left Edge	5290	0.136	-2.03	14.00	13.15	0.165	/
		Right Edge	5290	0.124	-3.11	14.00	13.15	0.151	/
		Top Edge	5290	0.225	2.03	14.00	13.15	**0.274**	**46**
		Bottom Edge	5290	0.084	0.05	14.00	13.15	0.102	/
5.3GHz WLAN ANT 2	802.11a	Front Side	5320	0.168	-1.98	12.00	11.96	0.170	/
		Back Side	5320	0.161	-3.07	12.00	11.96	0.162	/
		Left Edge	5320	0.117	-2.04	12.00	11.96	0.118	/

		Right Edge	5320	0.136	3.96	12.00	11.96	0.137	/
		Top Edge	5320	0.201	-2.97	12.00	11.96	**0.203**	**48**
		Bottom Edge	5320	0.081	-0.87	12.00	11.96	0.082	/
5.3GHz WLAN ANT 1 MIMO	802.11ax80	Front Side	5290	0.145	-1.32	16.00	15.57	0.160	/
		Back Side	5290	0.169	-2.78	16.00	15.57	0.187	/
		Left Edge	5290	0.199	1.22	16.00	15.57	0.220	/
		Right Edge	5290	0.145	2.58	16.00	15.57	0.160	/
		Top Edge	5290	0.225	-2.47	16.00	15.57	**0.248**	**50**
		Bottom Edge	5290	0.047	1.52	16.00	15.57	0.052	/
5.3GHz WLAN ANT 2 MIMO	802.11ax80	Front Side	5290	0.14	-1.69	16.00	15.57	0.155	/
		Back Side	5290	0.157	-1.04	16.00	15.57	0.173	/
		Left Edge	5290	0.135	3.00	16.00	15.57	0.149	/
		Right Edge	5290	0.157	-3.34	16.00	15.57	0.173	/
		Top Edge	5290	0.201	-2.48	16.00	15.57	**0.222**	**52**
		Bottom Edge	5290	0.046	-2.52	16.00	15.57	0.051	/
5.6GHz WLAN ANT 1	802.11a	Front Side	5500	0.241	3.41	14.00	13.63	0.262	/
		Back Side	5500	0.248	-0.04	14.00	13.63	0.270	/
		Left Edge	5500	0.188	3.51	14.00	13.63	0.205	/
		Right Edge	5500	0.156	-1.27	14.00	13.63	0.170	/
		Top Edge	5500	0.293	-3.65	14.00	13.63	**0.319**	**54**
		Bottom Edge	5500	0.108	1.62	14.00	13.63	0.118	/
5.6GHz WLAN ANT 2	802.11n-HT40	Front Side	5510	0.159	-1.75	13.00	12.96	0.160	/
		Back Side	5510	0.176	2.09	13.00	12.96	0.178	/
		Left Edge	5510	0.112	1.89	13.00	12.96	0.113	/
		Right Edge	5510	0.132	1.92	13.00	12.96	0.133	/
		Top Edge	5510	0.196	-0.50	13.00	12.96	**0.198**	**56**
		Bottom Edge	5510	0.071	-3.53	13.00	12.96	0.072	/
5.6GHz WLAN ANT 1 MIMO	802.11n-HT20	Front Side	5500	0.183	2.73	16.50	16.11	0.200	/
		Back Side	5500	0.213	-0.09	16.50	16.11	0.233	/
		Left Edge	5500	0.246	-3.89	16.50	16.11	0.269	/
		Right Edge	5500	0.178	-2.37	16.50	16.11	0.195	/
		Top Edge	5500	0.293	1.98	16.50	16.11	**0.321**	**58**
		Bottom Edge	5500	0.073	-2.78	16.50	16.11	0.080	/
5.6GHz WLAN ANT 2 MIMO	802.11n-HT20	Front Side	5500	0.127	2.34	16.50	16.11	0.139	/
		Back Side	5500	0.156	-1.86	16.50	16.11	0.171	/
		Left Edge	5500	0.131	-1.72	16.50	16.11	0.143	/
		Right Edge	5500	0.152	-1.01	16.50	16.11	0.166	/
		Top Edge	5500	0.196	3.75	16.50	16.11	**0.214**	**60**
		Bottom Edge	5500	0.044	3.95	16.50	16.11	0.048	/
5.8GHz WLAN ANT 1	802.11a	Front Side	5785	0.253	3.73	13.00	12.69	0.272	/
		Back Side	5785	0.261	3.97	13.00	12.69	0.280	/
		Left Edge	5785	0.197	-0.65	13.00	12.69	0.212	/
		Right Edge	5785	0.172	-2.39	13.00	12.69	0.185	/
		Top Edge	5785	0.313	-1.40	13.00	12.69	**0.336**	**62**
		Bottom Edge	5785	0.116	-1.78	13.00	12.69	0.125	/
5.8GHz WLAN ANT 2	802.11n-HT20	Front Side	5785	0.182	1.99	12.50	12.27	0.192	/
		Back Side	5785	0.193	3.89	12.50	12.27	0.203	/
		Left Edge	5785	0.117	2.16	12.50	12.27	0.123	/
		Right Edge	5785	0.132	-2.85	12.50	12.27	0.139	/
		Top Edge	5785	0.219	3.49	12.50	12.27	**0.231**	**64**
		Bottom Edge	5785	0.082	-1.05	12.50	12.27	0.086	/

5.8GHz WLAN ANT 1 MIMO	802.11ax80	Front Side	5775	0.196	-2.65	14.00	13.85	0.203	/
		Back Side	5775	0.233	-3.29	14.00	13.85	0.241	/
		Left Edge	5775	0.257	0.45	14.00	13.85	0.266	/
		Right Edge	5775	0.19	-0.55	14.00	13.85	0.197	/
		Top Edge	5775	0.313	-2.64	14.00	13.85	**0.324**	**66**
		Bottom Edge	5775	0.077	-3.03	14.00	13.85	0.080	/
5.8GHz WLAN ANT 2 MIMO	802.11ax80	Front Side	5775	0.156	2.79	14.00	13.85	0.161	/
		Back Side	5775	0.173	-1.06	14.00	13.85	0.179	/
		Left Edge	5775	0.137	-0.69	14.00	13.85	0.142	/
		Right Edge	5775	0.171	1.05	14.00	13.85	0.177	/
		Top Edge	5775	0.219	1.11	14.00	13.85	**0.227**	**68**
		Bottom Edge	5775	0.049	0.27	14.00	13.85	0.051	/
SA N1	20MHz BW, 20RB Offset 25	Front Side	1950	0.231	3.77	23.00	22.34	0.269	/
		Back Side	1950	0.144	0.66	23.00	22.34	0.168	/
		Left Edge	1950	0.217	-1.89	23.00	22.34	0.253	/
		Right Edge	1950	0.198	-2.38	23.00	22.34	0.230	/
		Top Edge	1950	0.101	-1.92	23.00	22.34	0.118	/
		Bottom Edge	1950	0.602	0.05	23.00	22.34	**0.701**	**70**
SA N3	30MHz 80RB offset 40	Front Side	1747.5	0.312	-0.88	22.00	22.78	0.261	/
		Back Side	1747.5	0.411	-1.56	22.00	22.78	0.343	/
		Left Edge	1747.5	0.264	-2.04	22.00	22.78	0.221	/
		Right Edge	1747.5	0.251	3.05	22.00	22.78	0.210	/
		Top Edge	1747.5	0.148	3.37	22.00	22.78	0.124	/
		Bottom Edge	1747.5	0.789	-1.83	22.00	22.78	**0.659**	**72**
SA N7	20MHz 50RB offset 0	Front Side	2560	0.112	3.36	22.00	21.51	0.125	/
		Back Side	2560	0.167	-3.28	22.00	21.51	0.187	/
		Left Edge	2560	0.065	2.81	22.00	21.51	0.073	/
		Right Edge	2560	0.057	1.87	22.00	21.51	0.064	/
		Top Edge	2560	0.024	-3.45	22.00	21.51	0.027	/
		Bottom Edge	2560	0.275	1.84	22.00	21.51	**0.308**	**74**
SA N8	20MHz 50RB offset 25	Front Side	890	0.170	3.05	22.50	21.99	0.191	/
		Back Side	890	0.196	3.52	22.50	21.99	0.220	/
		Left Edge	890	0.176	1.34	22.50	21.99	0.198	/
		Right Edge	890	0.130	1.06	22.50	21.99	0.146	/
		Top Edge	890	0.033	0.30	22.50	21.99	0.037	/
		Bottom Edge	890	0.349	-3.41	22.50	21.99	**0.392**	**66**
SA N20	20MHz 50RB offset 25	Front Side	842	0.121	-0.15	22.50	21.88	0.140	/
		Back Side	842	0.159	1.20	22.50	21.88	0.183	/
		Left Edge	842	0.141	1.16	22.50	21.88	0.163	/
		Right Edge	842	0.125	-0.61	22.50	21.88	0.144	/
		Top Edge	842	0.056	-1.13	22.50	21.88	0.065	/
		Bottom Edge	842	0.304	-3.83	22.50	21.88	**0.351**	**68**
SA N28	20MHz 50RB offset 25	Front Side	712	0.137	2.92	23.00	22.33	0.160	/
		Back Side	712	0.178	2.87	23.00	22.33	0.208	/
		Left Edge	712	0.119	-2.05	23.00	22.33	0.139	/
		Right Edge	712	0.115	0.60	23.00	22.33	0.134	/
		Top Edge	712	0.057	3.74	23.00	22.33	0.067	/
		Bottom Edge	712	0.271	-3.13	23.00	22.33	**0.316**	**70**
SA N38	20MHz 25RB offset 12	Front Side	2590	0.106	-0.48	22.00	21.42	0.121	/
		Back Side	2590	0.130	-2.95	22.00	21.42	0.149	/
		Left Edge	2590	0.091	2.60	22.00	21.42	0.104	/

		Right Edge	2590	0.080	0.57	22.00	21.42	0.091	/
		Top Edge	2590	0.042	2.95	22.00	21.42	0.048	/
		Bottom Edge	2590	0.198	0.05	22.00	21.42	**0.226**	**72**
SA N40	80MHz 108RB offset 54	Front Side	2340	0.103	-1.56	23.50	22.74	0.123	/
		Back Side	2340	0.130	-2.86	23.50	22.74	0.155	/
		Left Edge	2340	0.090	3.06	23.50	22.74	0.107	/
		Right Edge	2340	0.079	3.00	23.50	22.74	0.094	/
		Top Edge	2340	0.042	3.82	23.50	22.74	0.050	/
		Bottom Edge	2340	0.197	1.24	23.50	22.74	**0.235**	**74**
SA N41	100MHz 135RB offset 67	Front Side	2640	0.083	0.96	23.00	22.61	0.091	/
		Back Side	2640	0.110	-0.34	23.00	22.61	0.120	/
		Left Edge	2640	0.068	-2.57	23.00	22.61	0.074	/
		Right Edge	2640	0.071	1.42	23.00	22.61	0.078	/
		Top Edge	2640	0.034	1.13	23.00	22.61	0.037	/
		Bottom Edge	2640	0.160	-0.76	23.00	22.61	**0.175**	**76**
SA N77	100MHz 135RB offset 67	Front Side	3345	0.065	-1.47	22.00	21.53	0.072	/
		Back Side	3345	0.091	-0.92	22.00	21.53	0.101	/
		Left Edge	3345	0.057	2.27	22.00	21.53	0.064	/
		Right Edge	3345	0.114	0.81	22.00	21.53	0.127	/
		Top Edge	3345	0.128	-3.22	22.00	21.53	**0.143**	**78**
		Bottom Edge	3345	0.048	2.98	22.00	21.53	0.053	/
SA N78	100MHz 135RB offset 67	Front Side	3350	0.050	-0.92	22.00	21.48	0.056	/
		Back Side	3350	0.064	3.18	22.00	21.48	0.072	/
		Left Edge	3350	0.041	-3.36	22.00	21.48	0.046	/
		Right Edge	3350	0.076	2.09	22.00	21.48	0.086	/
		Top Edge	3350	0.082	2.45	22.00	21.48	**0.092**	**80**
		Bottom Edge	3350	0.030	-0.22	22.00	21.48	0.034	/

Band	Mode	Max SAR (W/Kg)	WIFI MIMO
2.4G WLAN	802.11n-HT20 ANT 1	0.102	0.189
	802.11n-HT20 ANT 2	0.087	
5.2G WLAN	802.11ax80 ANT 1	0.212	0.417
	802.11ax80 ANT 2	0.205	
5.3G WLAN	802.11ax80 ANT 1	0.248	0.47
	802.11ax80 ANT 2	0.222	
5.6G WLAN	802.11n-HT20 ANT 1	0.321	0.535
	802.11n-HT20 ANT 2	0.214	
5.8G WLAN	802.11ax80 ANT 1	0.324	0.551
	802.11ax80 ANT 2	0.227	

NSA

Band	Model	Test Position	Freq.	SAR (10g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
SA N78	20MHz 50RB offset 0	Front Side	3350	0.050	-0.92	22.00	21.48	0.056	/
		Back Side	3350	0.064	3.18	22.00	21.48	0.072	/
		Left Edge	3350	0.041	-3.36	22.00	21.48	0.046	/
		Right Edge	3350	0.076	2.09	22.00	21.48	0.086	/
		Top Edge	3350	0.082	2.45	22.00	21.48	**0.092**	**80**
		Bottom Edge	3350	0.030	-0.22	22.00	21.48	0.034	/
LTE Band 3	20MHz BW, 1RB Offset 0	Front Side	1930	0.234	0.28	25.00	24.60	0.257	/
		Back Side	1930	0.239	-0.20	25.00	24.60	0.262	/
		Left Edge	1930	0.189	1.71	25.00	24.60	0.207	/
		Right Edge	1930	0.184	2.01	25.00	24.60	0.202	/
		Top Edge	1930	0.098	-2.23	25.00	24.60	0.107	/
		Bottom Edge	1930	0.900	0.42	25.00	24.60	**0.987**	**10**
LTE Band 7	20MHz BW, 1RB Offset 0	Front Side	1747.5	0.245	-2.43	25.00	23.74	0.327	/
		Back Side	1747.5	0.254	0.25	25.00	23.74	0.339	/
		Left Edge	1747.5	0.204	0.89	25.00	23.74	0.273	/
		Right Edge	1747.5	0.204	2.03	25.00	23.74	0.273	/
		Top Edge	1747.5	0.164	-2.66	25.00	23.74	0.219	/
		Bottom Edge	1720	0.692	-0.19	25.00	23.49	0.980	/
		Bottom Edge	1747.5	0.946	-0.87	25.00	23.74	**1.264**	**12**
		Bottom Edge	1775	0.813	-1.88	25.00	23.55	1.135	/

Band	Mode	Max SAR(W/Kg)	NSA N78+B1
NSA N78+B1	SA N78	0.092	1.079
	LTE B1	0.987	
Band	Mode	Max SAR(W/Kg)	NSA N78+B3
NSA N78+B3	SA N78	0.092	1.356
	LTE B3	1.264	

Note:

1. The test separation of all above table is 5mm.
2. Two SIM card slot can't work at the same time.
3. When the 10g SAR is ≤1.0W/kg, testing for low and high channel is optional.

11.3 Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

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

Note:

1. The Bluetooth and WLAN can't simultaneous transmission at the same time.

2. The 2.4GHz WLAN and 5GHz WLAN can't simultaneous transmission at the same time.

3. For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.

4. The reported SAR summation is calculated based on the same configuration and test position.

5. DUT will choose either2G/3G/4G according to the network signal condition, therefore, 2G/3G/4G will not transmit simultaneously.

6. Multi -band transmission analysis for Body SAR is performed following EN 62209-2 procedure. One way of determining the threshold power level available to the secondary transmitter($P_{available}$) is to calculate it from the measured peak spatial-average SAR of the primary transmitter (SAR_1) according to the equation：

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

where:

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

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

Simultaneous Mode	Position	SAR_1 10g(W/Kg)	Secondary transmitter Maximum Average Power dBm	mW	Separation distance (mm)	$P_{available}$ *mW*	Result
GSM + 2.4GWLAN	Head	0.194	18.50	70.795	5	18.060	Yes
	Body	0.767			5	12.330	Yes
WCDMA + 2.4GWLAN	Head	0.167			5	18.330	Yes
	Body	0.988			5	10.120	Yes
LTE + 2.4GWLAN	Head	0.212			5	17.880	Yes
	Body	1.264			5	7.360	Yes
SA + 2.4GWLAN	Head	0.237			5	17.630	Yes
	Body	0.701			5	12.990	Yes
NSA + 2.4GWLAN	Head	0.229			5	17.710	Yes
	Body	1.356			5	6.440	Yes
GSM + 5.2GWLAN	Head	0.194	14.50	28.184	5	18.060	Yes
	Body	0.767			5	12.330	Yes
WCDMA + 5.2GWLAN	Head	0.167			5	18.330	Yes
	Body	0.988			5	10.120	Yes
LTE + 5.2GWLAN	Head	0.212			5	17.880	Yes
	Body	1.264			5	7.360	Yes
SA + 5.2GWLAN	Head	0.237			5	17.630	Yes
	Body	0.701			5	12.990	Yes
NSA + 5.2GWLAN	Head	0.229			5	17.710	Yes
	Body	1.356			5	6.440	Yes
GSM + 5.3GWLAN	Head	0.194	16.00	39.811	5	18.060	Yes
	Body	0.767			5	12.330	Yes
WCDMA + 5.3GWLAN	Head	0.167			5	18.330	Yes
	Body	0.988			5	10.120	Yes
LTE + 5.3GWLAN	Head	0.212			5	17.880	Yes
	Body	1.264			5	7.360	Yes
SA + 5.3GWLAN	Head	0.237			5	17.630	Yes
	Body	0.701			5	12.990	Yes
NSA + 5.3GWLAN	Head	0.229			5	17.710	Yes
	Body	1.356			5	6.440	Yes

GSM + 5.6GWLAN	Head	0.194	16.50	44.668	5	18.060	Yes
	Body	0.767			5	12.330	Yes
WCDMA + 5.6GWLAN	Head	0.167			5	18.330	Yes
	Body	0.988			5	10.120	Yes
LTE + 5.6GWLAN	Head	0.212			5	17.880	Yes
	Body	1.264			5	7.360	Yes
SA + 5.6GWLAN	Head	0.237			5	17.630	Yes
	Body	0.701			5	12.990	Yes
NSA + 5.6GWLAN	Head	0.229			5	17.710	Yes
	Body	1.356			5	6.440	Yes
GSM + 5.8GWLAN	Head	0.194	14.00	25.119	5	18.060	Yes
	Body	0.767			5	12.330	Yes
WCDMA + 5.8GWLAN	Head	0.167			5	18.330	Yes
	Body	0.988			5	10.120	Yes
LTE + 5.8GWLAN	Head	0.212			5	17.880	Yes
	Body	1.264			5	7.360	Yes
SA + 5.8GWLAN	Head	0.237			5	17.630	Yes
	Body	0.701			5	12.990	Yes
NSA + 5.8GWLAN	Head	0.229			5	17.710	Yes
	Body	1.356			5	6.440	Yes
GSM + BT	Head	0.194	5.50	3.548	5	18.060	No
	Body	0.767			5	12.330	No
WCDMA + BT	Head	0.167			5	18.330	No
	Body	0.988			5	10.120	No
LTE + BT	Head	0.212			5	17.880	No
	Body	1.264			5	7.360	No
SA +BT	Head	0.237			5	17.630	No
	Body	0.701			5	12.990	No
NSA +BT	Head	0.229			5	17.710	No
	Body	1.356			5	6.440	No

Note：

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

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

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

Simultaneous Mode	Position	Mode	Max. 10-g SAR W/Kg	10-g Sum SAR W/Kg
GSM + 2.4GWLAN	Head	GSM	0.194	0.306
		2.4GHz WLAN	0.112	
	Body	GSM	0.767	0.956
		2.4GHz WLAN	0.189	
WCDMA + 2.4GWLAN	Head	WCDMA	0.167	0.279
		2.4GHz WLAN	0.112	
	Body	WCDMA	0.988	1.177
		2.4GHz WLAN	0.189	
LTE + 2.4GWLAN	Head	LTE	0.212	0.324
		2.4GHz WLAN	0.112	
	Body	LTE	1.264	1.453
		2.4GHz WLAN	0.189	
SA + 2.4GWLAN	Head	SA	0.237	0.349
		2.4GHz WLAN	0.112	
	Body	SA	0.701	0.890
		2.4GHz WLAN	0.189	
NSA+ 2.4GWLAN	Head	NSA	0.229	0.341
		2.4GHz WLAN	0.112	
	Body	NSA	1.356	1.545
		2.4GHz WLAN	0.189	
GSM + 5.2GWLAN	Head	GSM	0.194	0.414
		5.2GHz WLAN	0.220	
	Body	GSM	0.767	1.184
		5.2GHz WLAN	0.417	
WCDMA + 5.2GWLAN	Head	WCDMA	0.167	0.387
		5.2GHz WLAN	0.220	
	Body	WCDMA	0.988	1.405
		5.2GHz WLAN	0.417	
LTE + 5.2GWLAN	Head	LTE	0.212	0.432
		5.2GHz WLAN	0.220	
	Body	LTE	1.264	1.681
		5.2GHz WLAN	0.417	
SA + 5.2GWLAN	Head	SA	0.237	0.457
		5.2GHz WLAN	0.220	
	Body	SA	0.701	1.118
		5.2GHz WLAN	0.417	
NSA + 5.2GWLAN	Head	NSA	0.229	0.449
		5.2GHz WLAN	0.220	
	Body	NSA	1.356	1.773
		5.2GHz WLAN	0.417	
GSM + 5.3GWLAN	Head	GSM	0.194	0.460
		5.3GHz WLAN	0.266	
	Body	GSM	0.767	1.237
		5.3GHz WLAN	0.470	

WCDMA + 5.3GWLAN	Head	WCDMA	0.167	0.433
		5.3GHz WLAN	0.266	
	Body	WCDMA	0.988	1.458
		5.3GHz WLAN	0.470	
LTE + 5.3GWLAN	Head	LTE	0.212	0.478
		5.3GHz WLAN	0.266	
	Body	LTE	1.264	1.734
		5.3GHz WLAN	0.470	
SA + 5.3GWLAN	Head	SA	0.237	0.503
		5.3GHz WLAN	0.266	
	Body	SA	0.701	1.171
		5.3GHz WLAN	0.470	
NSA + 5.3GWLAN	Head	NSA	0.229	0.495
		5.3GHz WLAN	0.266	
	Body	NSA	1.356	1.826
		5.3GHz WLAN	0.470	
GSM + 5.6GWLAN	Head	GSM	0.194	0.463
		5.6GHz WLAN	0.269	
	Body	GSM	0.767	1.302
		5.6GHz WLAN	0.535	
WCDMA + 5.6GWLAN	Head	WCDMA	0.167	0.436
		5.6GHz WLAN	0.269	
	Body	WCDMA	0.988	1.523
		5.6GHz WLAN	0.535	
LTE + 5.6GWLAN	Head	LTE	0.212	0.481
		5.6GHz WLAN	0.269	
	Body	LTE	1.264	1.799
		5.6GHz WLAN	0.535	
SA + 5.6GWLAN	Head	SA	0.237	0.506
		5.6GHz WLAN	0.269	
	Body	SA	0.701	1.236
		5.6GHz WLAN	0.535	
NSA + 5.6GWLAN	Head	NSA	0.229	0.498
		5.6GHz WLAN	0.269	
	Body	NSA	1.356	1.891
		5.6GHz WLAN	0.535	
GSM + 5.8GWLAN	Head	GSM	0.194	0.498
		5.8GHz WLAN	0.304	
	Body	GSM	0.767	1.318
		5.8GHz WLAN	0.551	
WCDMA + 5.8GWLAN	Head	WCDMA	0.167	0.471
		5.8GHz WLAN	0.304	
	Body	WCDMA	0.988	1.539
		5.8GHz WLAN	0.551	
LTE + 5.8GWLAN	Head	LTE	0.212	0.516
		5.8GHz WLAN	0.304	
	Body	LTE	1.264	1.815
		5.8GHz WLAN	0.551	

SA + 5.8GWLAN	Head	SA	0.237	0.541
		5.8GHz WLAN	0.304	
	Body	SA	0.701	1.252
		5.8GHz WLAN	0.551	
NSA + 5.8GWLAN	Head	NSA	0.229	0.533
		5.8GHz WLAN	0.304	
	Body	NSA	1.356	1.907
		5.8GHz WLAN	0.551	

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

12. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
750MHz Dipole	MVG	DIP0G750	SN 06/22 DIP0G750-638	2022.02.11	2025.02.10
835MHz Dipole	MVG	DIP0G835	SN 06/22 DIP0G835-639	2022.02.11	2025.02.10
1800MHz Dipole	MVG	DIP1G800	SN 06/22 DIP1G800-640	2022.02.11	2025.02.10
1900MHz Dipole	MVG	DIP1G900	SN 06/22 DIP1G900-641	2022.02.11	2025.02.10
2000MHz Dipole	MVG	DIP2G000	SN 06/22 DIP2G100-642	2022.02.11	2025.02.10
2300MHz Dipole	MVG	DIP2G300	SN 06/22 DIP2G100-644	2022.02.11	2025.02.10
2450MHz Dipole	MVG	DIP2G450	SN 06/22 DIP2G450-645	2022.02.11	2025.02.10
2600MHz Dipole	MVG	DIP2G600	SN 06/22 DIP2G600-646	2022.02.11	2025.02.10
3500MHz Dipole	MVG	DIP3G500	SN 06/22 DIP3G500-647	2022.02.11	2025.02.10
5000MHz Dipole	MVG	DIP5G000	SN 06/22 DIP5G000-653	2022.02.11	2025.02.10
E-Field Probe	MVG	EPGO364	SN 04/22 EPGO364	2023.02.10	2024.02.09
Liquid Calibration Kit	MVG	OCPG 87	SN 06/22 OCPG87	2023.02.10	2024.02.09
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 holder	MVG	LSH 36	SN 06/22 LSH 38	N/A	N/A
Directional coupler	SHW	SHWDCP	202303280013	N/A	N/A
Network Analyzer	Agilent	E5071C	MY46418070	2023.03.27	2024.03.26
Multi Meter	Keithley	DMM6500	DMM6500	2023.03.27	2024.03.26
Signal Generator	Keithley	N5182B	MY59100717	2023.04.07	2024.04.06
Wireless Communication Test Set	R&S	CMW500	137737	2023.04.14	2024.04.13
Base Station	Anritsu	MT8000A	6272498373	2023.04.13	2024.04.12
Base Station	Anritsu	MT8821C	6272524676	2023.04.13	2024.04.12
Power Sensor	R&S	Z11	116184	2023.03.27	2024.03.26
Temperature hygrometer	N/A	ST-W2318	N/A	2023.04.24	2024.04.23
Thermograph	N/A	TP101	N/A	2023.04.25	2024.04.24

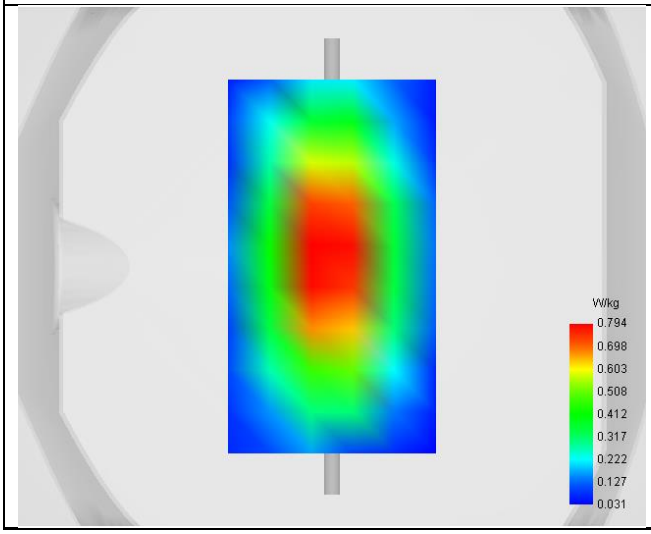
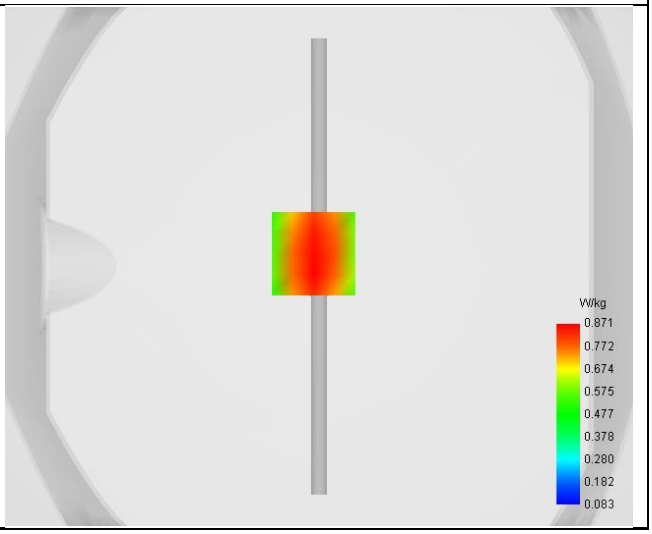
Appendix A. System Validation Plot

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: 2023-10-16

Experimental conditions.

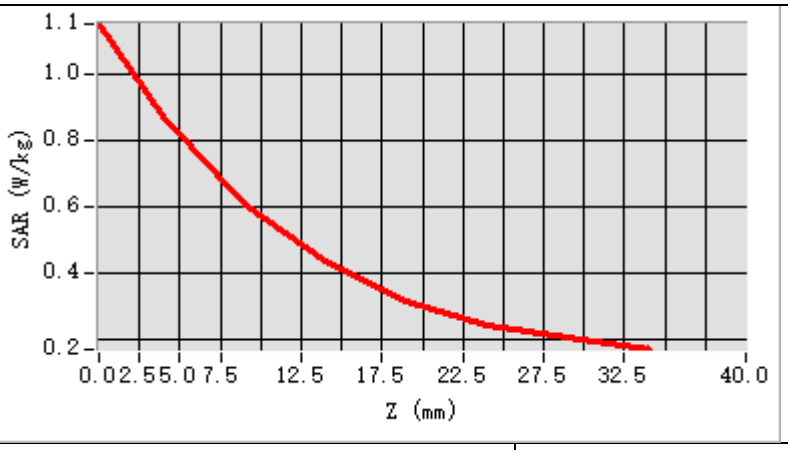
Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.26
Conductivity (S/m)	0.91
Probe	SN 04/22 EPGO364
ConvF	1.69
Crest factor:	1:1

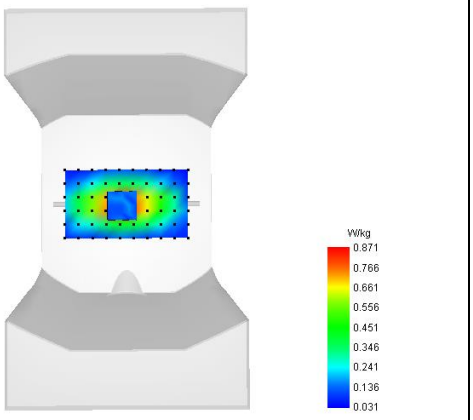
SURFACE SAR	VOLUME SAR
	

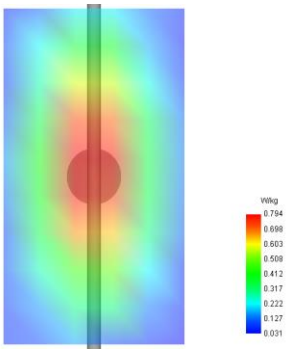
Maximum location: X=-2.00, Y=5.00 ; SAR Peak: 1.20 W/kg

SAR 10g (W/Kg)	0.548
SAR 1g (W/Kg)	0.719

Z Axis Scan


1.1
1.0
0.8
0.6
0.4
0.2
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)


W/kg
0.871
0.766
0.661
0.556
0.451
0.346
0.241
0.136
0.031

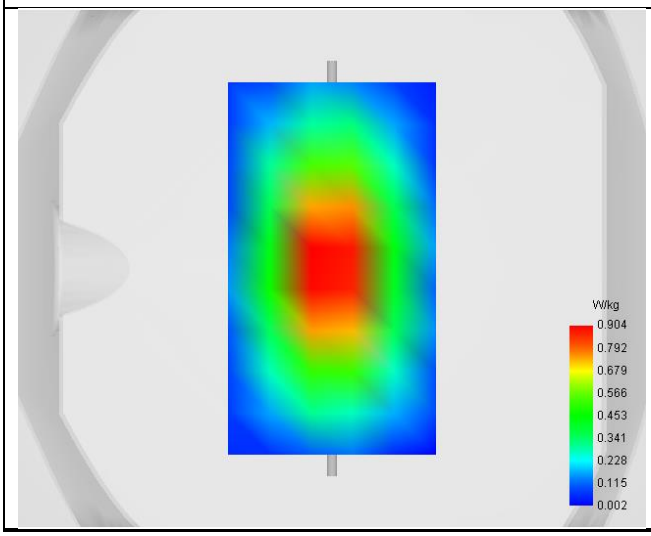
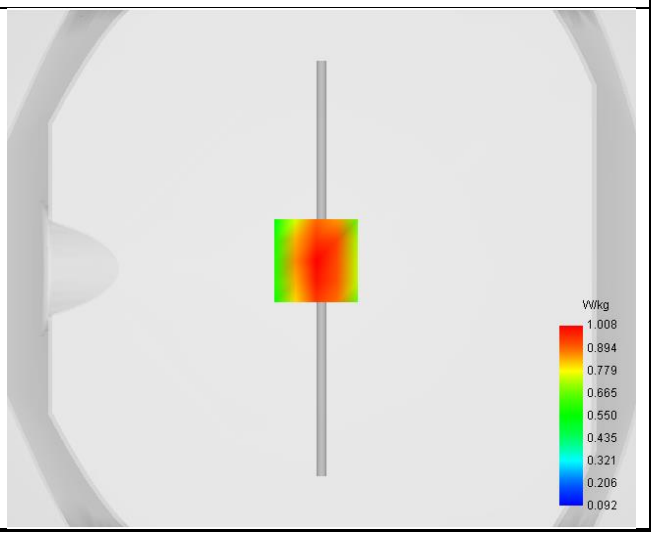

W/kg
0.794
0.698
0.603
0.508
0.412
0.317
0.222
0.127
0.031

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: 2023-09-29

Experimental conditions.

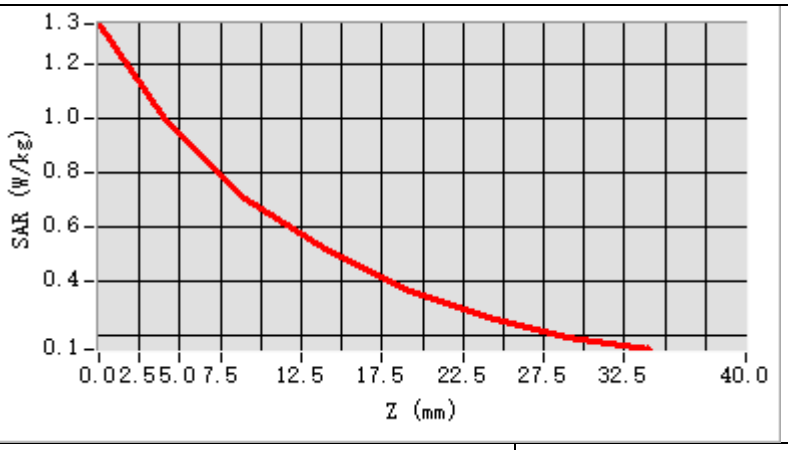
Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.33
Conductivity (S/m)	0.88
Probe	SN 04/22 EPGO364
ConvF	1.72
Crest factor:	1:1

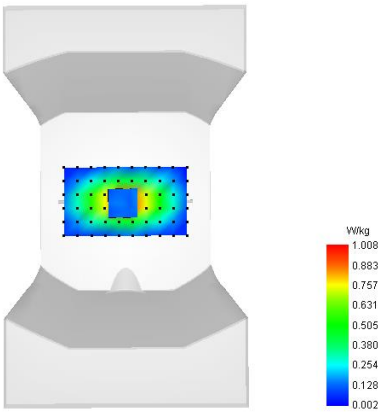
SURFACE SAR	VOLUME SAR
	

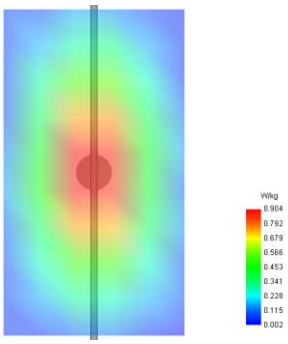
Maximum location: X=-2.00, Y=3.00 ; SAR Peak: 1.38 W/kg

SAR 10g (W/Kg)	0.587
SAR 1g (W/Kg)	0.964

Z Axis Scan


1.3
1.2
1.0
0.8
0.6
0.4
0.1
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)


W/kg
1.008
0.883
0.757
0.631
0.505
0.380
0.254
0.128
0.002

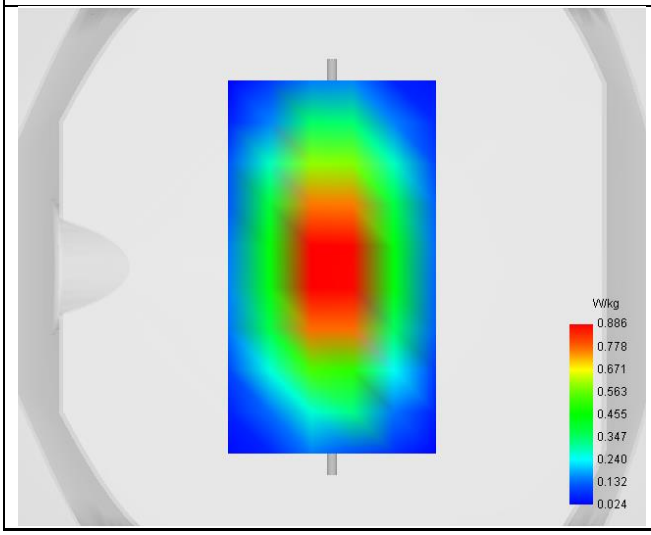
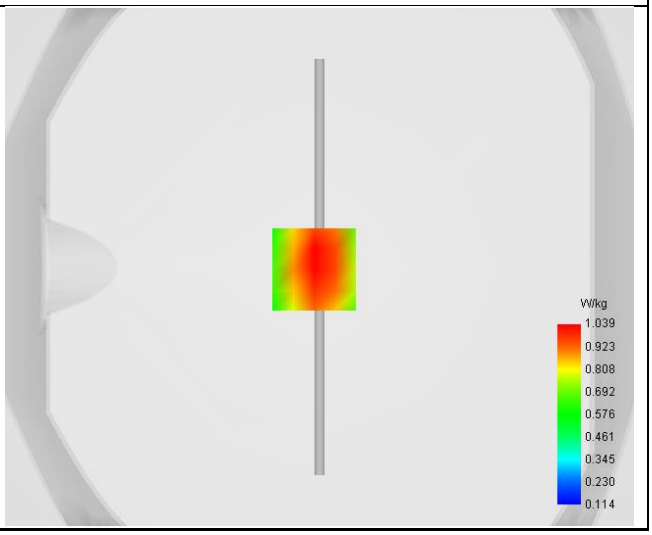

W/kg
0.904
0.792
0.679
0.566
0.453
0.341
0.228
0.115
0.002

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: 2023-10-01

Experimental conditions.

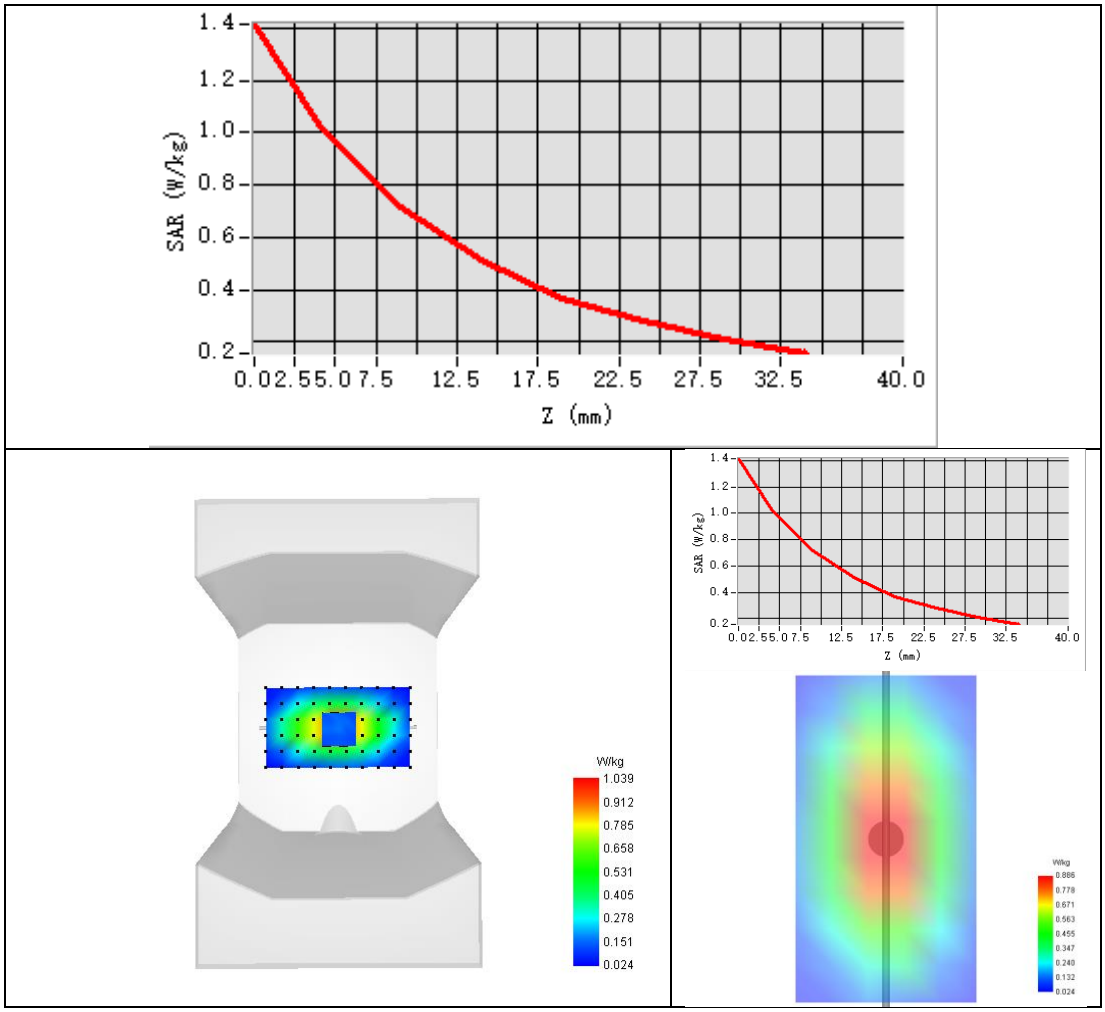
Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.08
Conductivity (S/m)	0.94
Probe	SN 04/22 EPGO364
ConvF	1.72
Crest factor:	1:1

SURFACE SAR	VOLUME SAR
	

Maximum location: X=5.00, Y=7.00 ; SAR Peak: 1.50 W/kg

SAR 10g (W/Kg)	0.585
SAR 1g (W/Kg)	0.991

Z Axis Scan

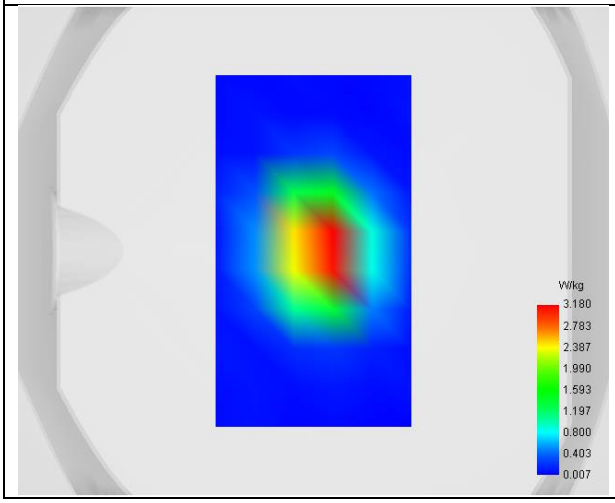
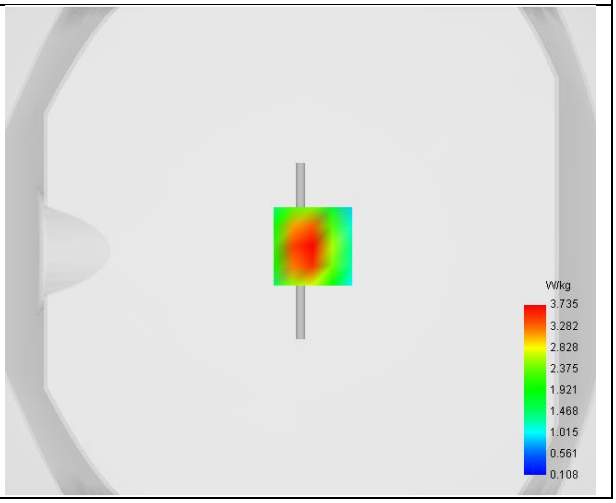

SAR (W/kg)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
1.039
0.912
0.785
0.658
0.531
0.405
0.278
0.151
0.024

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: 2023-10-02

Experimental conditions.

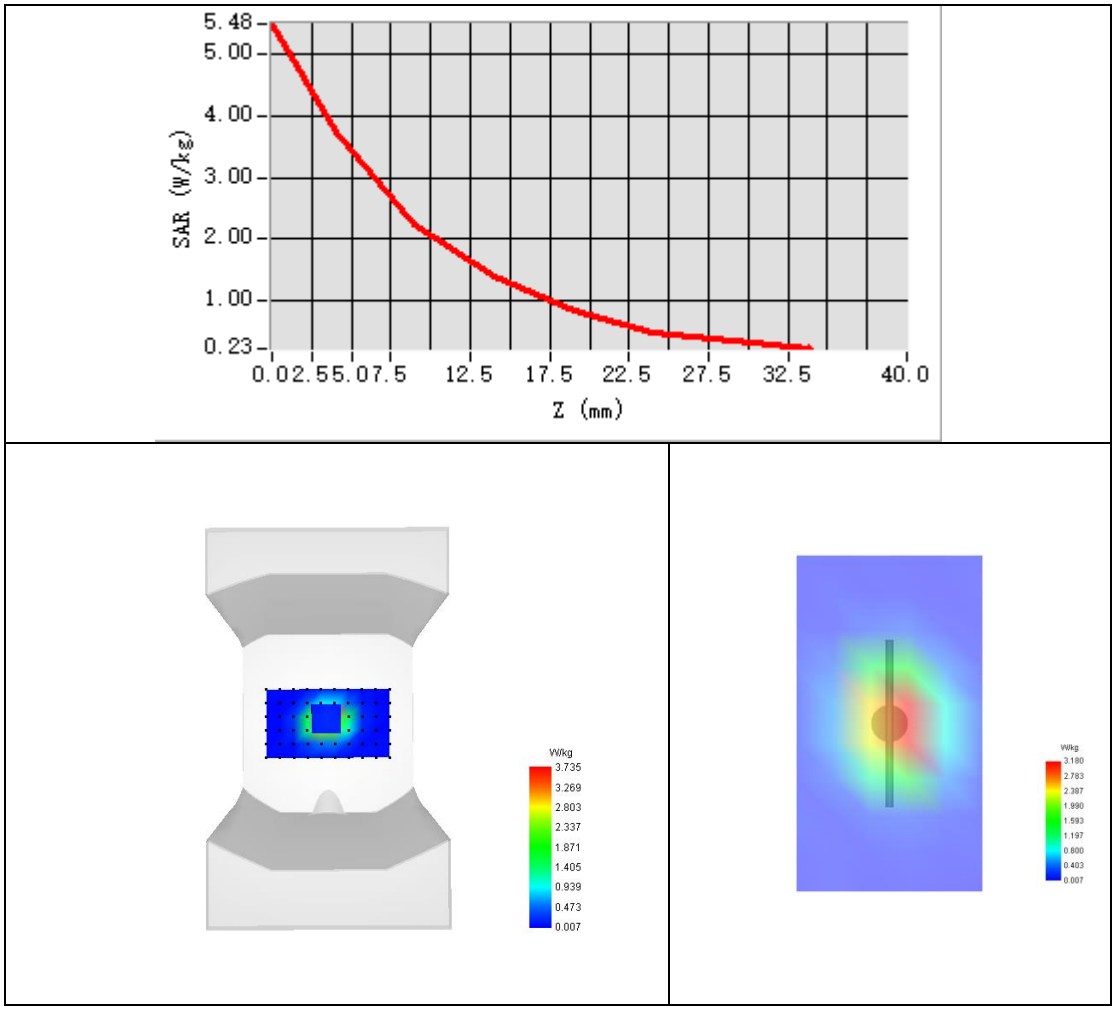
Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.75
Conductivity (S/m)	1.41
Probe	SN 04/22 EPGO364
ConvF	1.95
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=2.00, Y=2.00 ; SAR Peak: 6.73 W/kg

SAR 10g (W/Kg)	2.053
SAR 1g (W/Kg)	3.699

Z Axis Scan

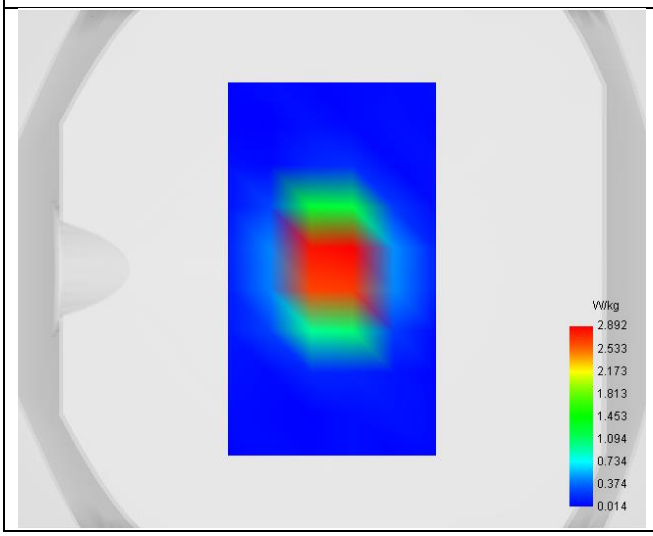
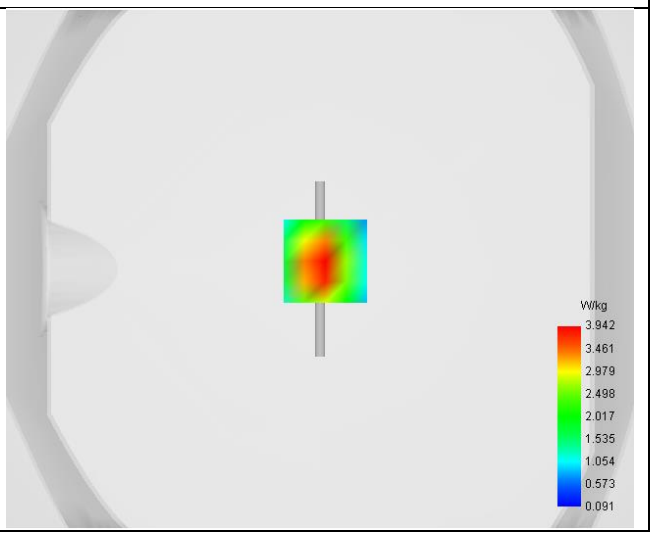

5.48
5.00
4.00
3.00
2.00
1.00
0.23
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
3.735
3.269
2.803
2.337
1.871
1.405
0.939
0.473
0.007
W/kg
3.180
2.783
2.387
1.990
1.593
1.197
0.800
0.403
0.007

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: 2023-10-18

Experimental conditions.

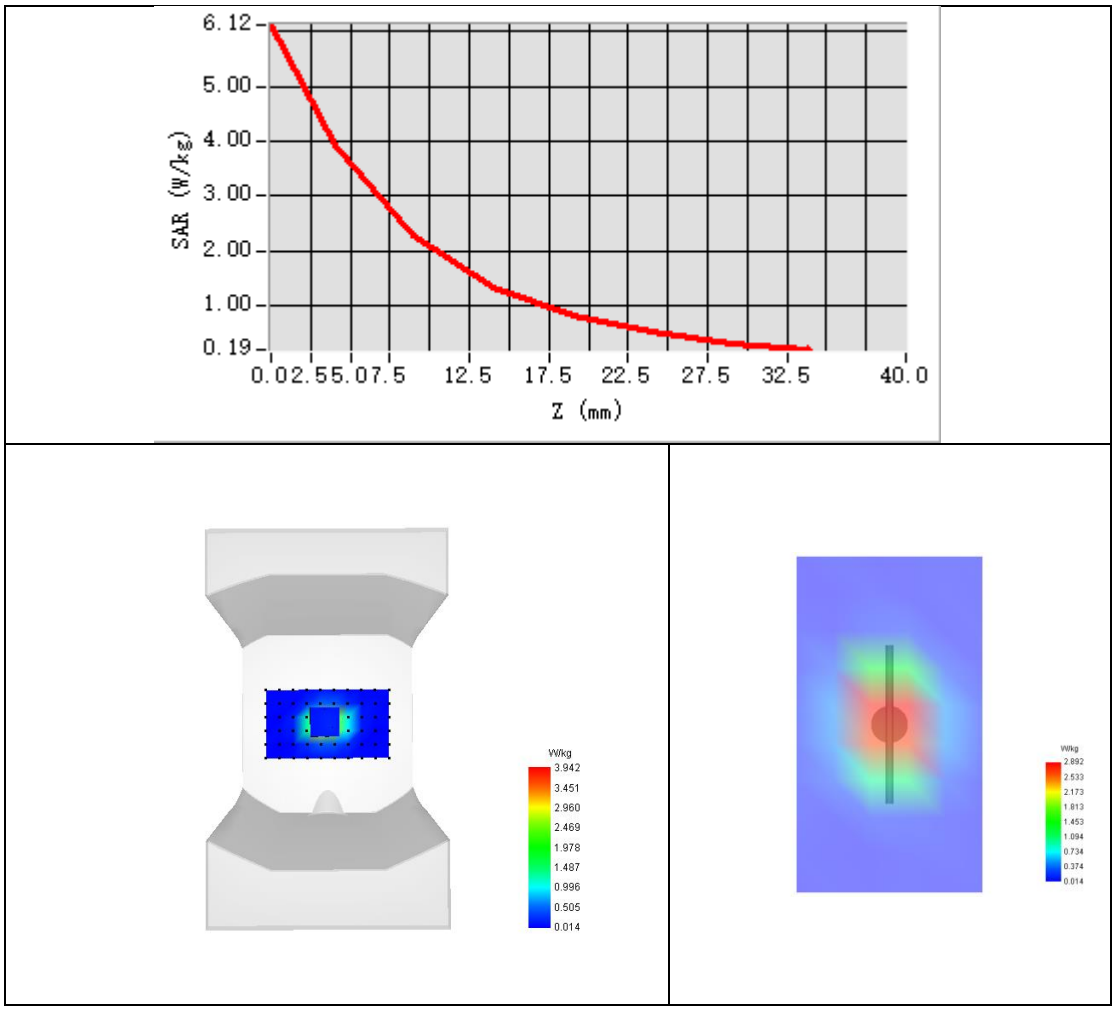
Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.88
Conductivity (S/m)	1.43
Probe	SN 04/22 EPGO364
ConvF	2.25
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=2.00, Y=3.00 ; SAR Peak: 6.33 W/kg

SAR 10g (W/Kg)	2.060
SAR 1g (W/Kg)	3.897

Z Axis Scan

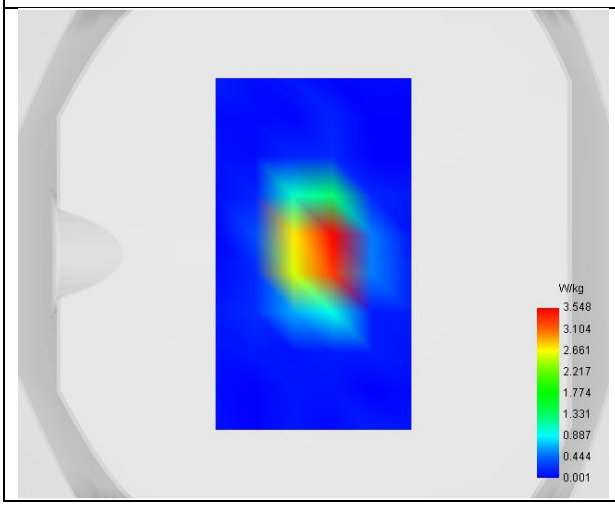
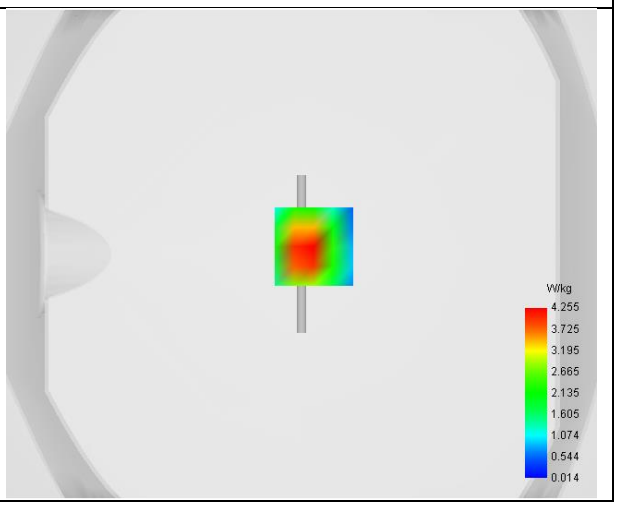

6.12
5.00
4.00
3.00
2.00
1.00
0.19
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
3.942
3.451
2.960
2.469
1.978
1.487
0.996
0.505
0.014
W/kg
2.892
2.533
2.173
1.813
1.453
1.094
0.734
0.374
0.014

System Performance Check Data (2000MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2023-11-04

Experimental conditions.

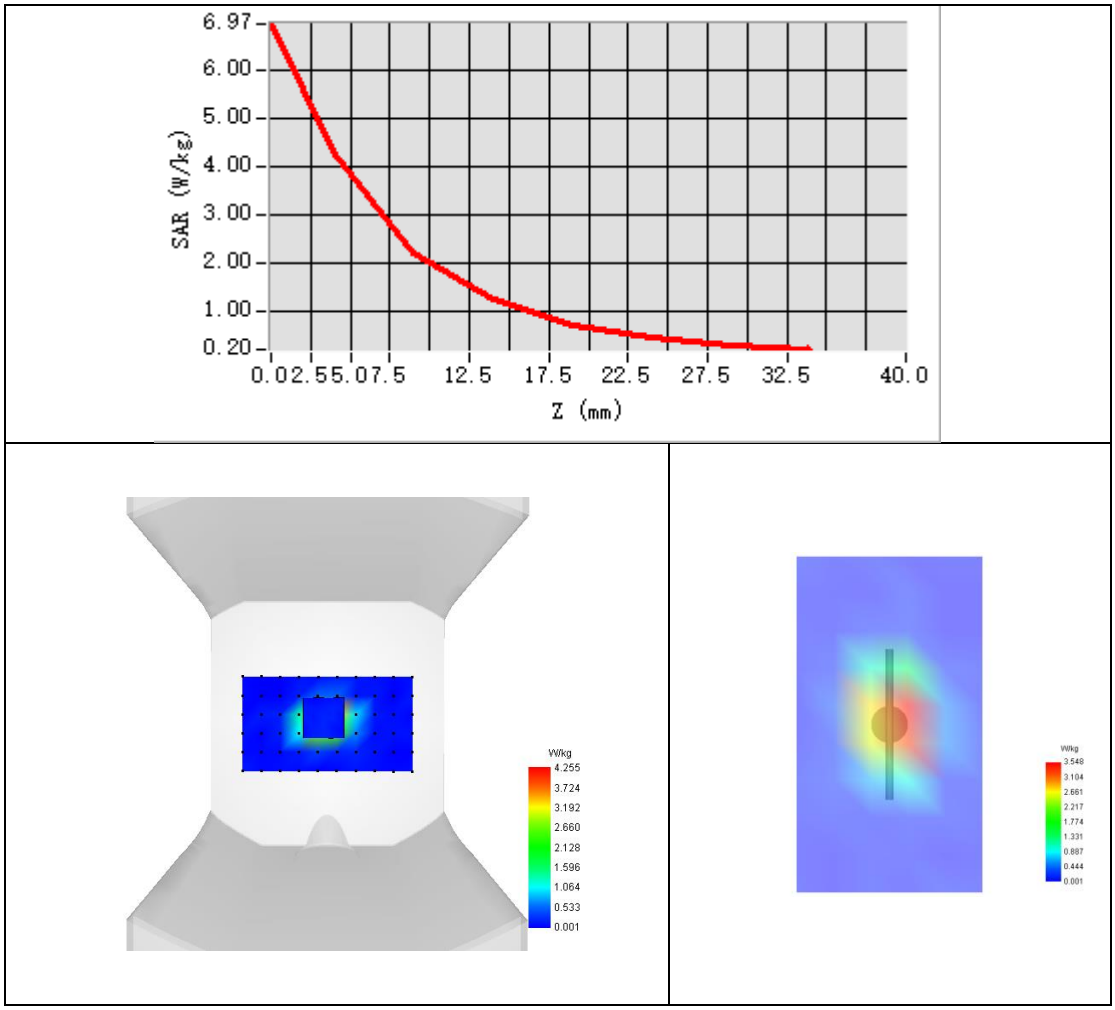
Phantom	Validation plane
Device Position	Dipole
Band	CW2000
Channels	Middle
Signal	CW
Frequency (MHz)	2000.000
Relative permittivity	40.30
Conductivity (S/m)	1.45
Probe	SN 04/22 EPGO364
ConvF	2.35
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=5.00, Y=3.00 ; SAR Peak: 7.60 W/kg

SAR 10g (W/Kg)	2.064
SAR 1g (W/Kg)	4.231

Z Axis Scan

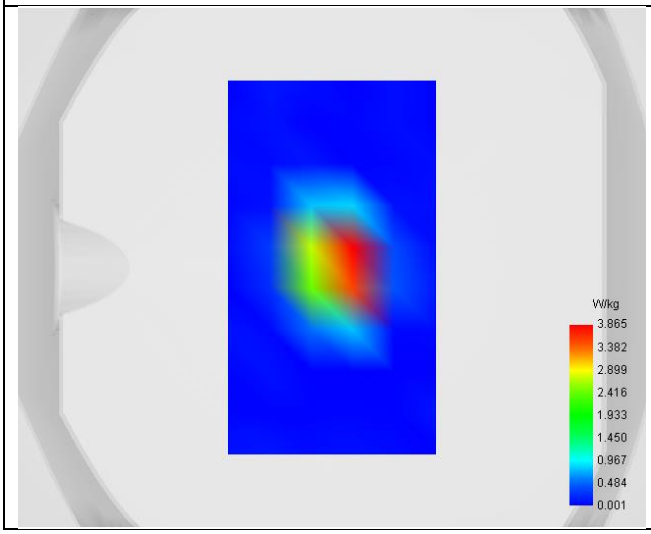
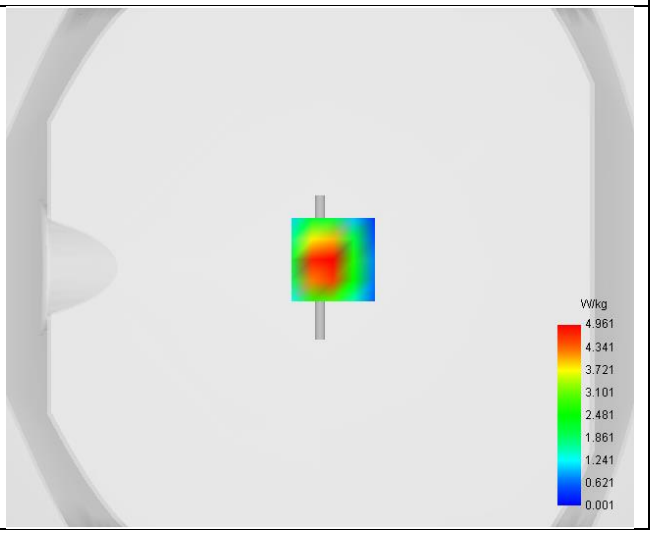

6.97
6.00
5.00
4.00
3.00
2.00
1.00
0.20
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
4.255
3.724
3.192
2.660
2.128
1.596
1.064
0.533
0.001
W/kg
3.548
3.104
2.661
2.217
1.774
1.331
0.887
0.444
0.001

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: 2023-10-23

Experimental conditions.

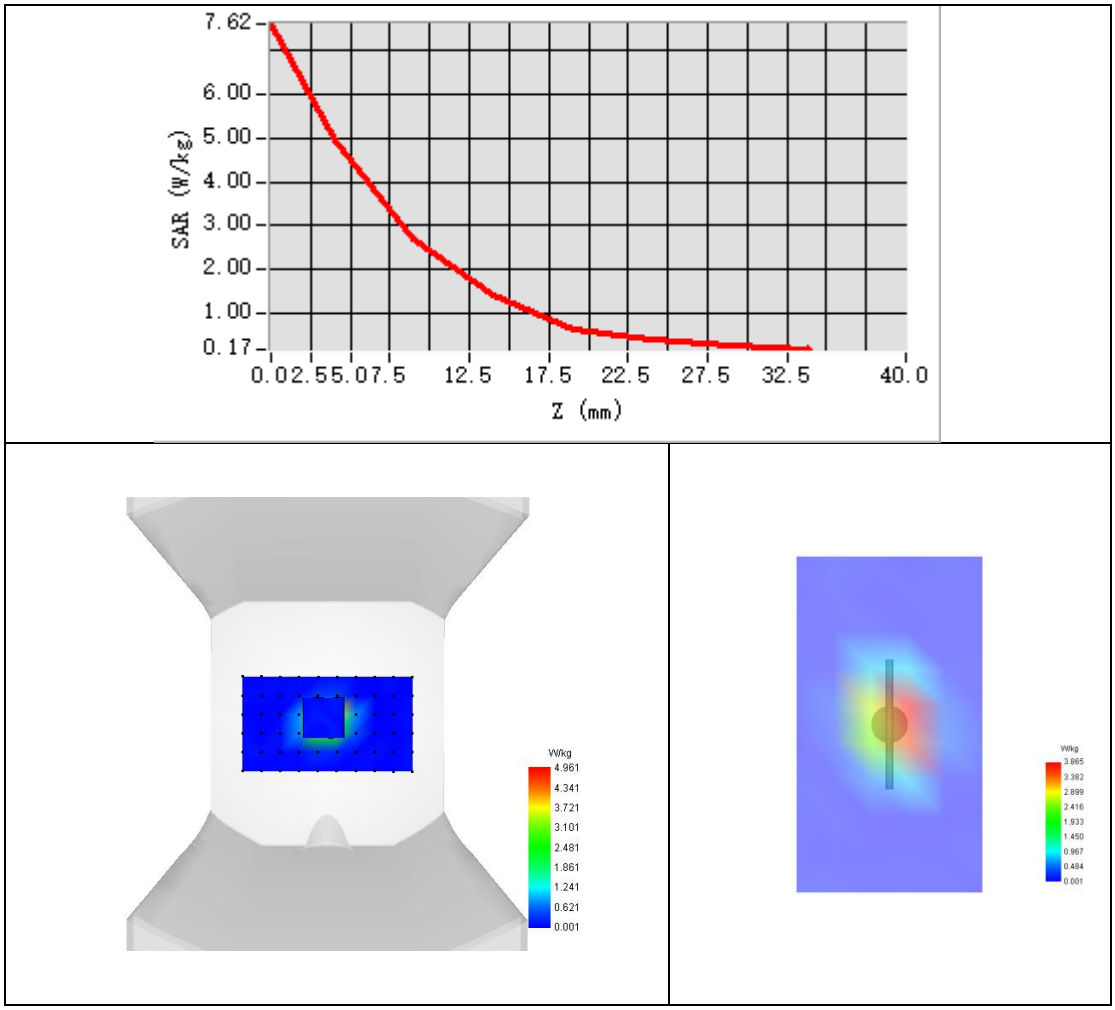
Phantom	Validation plane
Device Position	Dipole
Band	CW2300
Channels	Middle
Signal	CW
Frequency (MHz)	2300.000
Relative permittivity	39.96
Conductivity (S/m)	1.66
Probe	SN 04/22 EPGO364
ConvF	2.32
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=5.00, Y=3.00 ; SAR Peak: 8.60 W/kg

SAR 10g (W/Kg)	2.287
SAR 1g (W/Kg)	4.914

Z Axis Scan

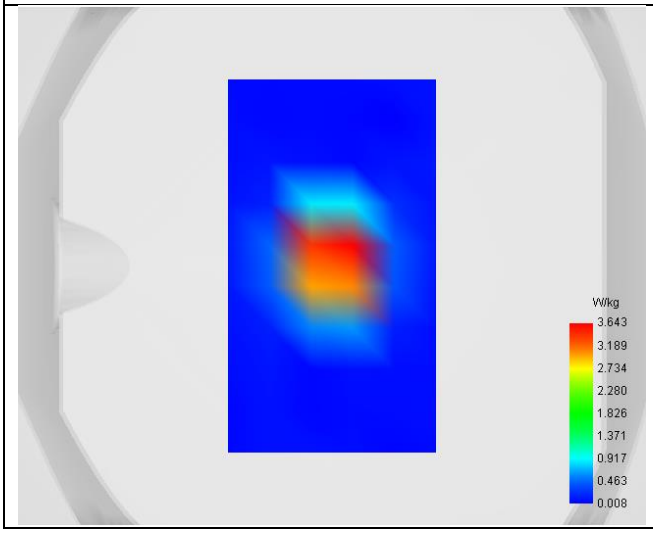
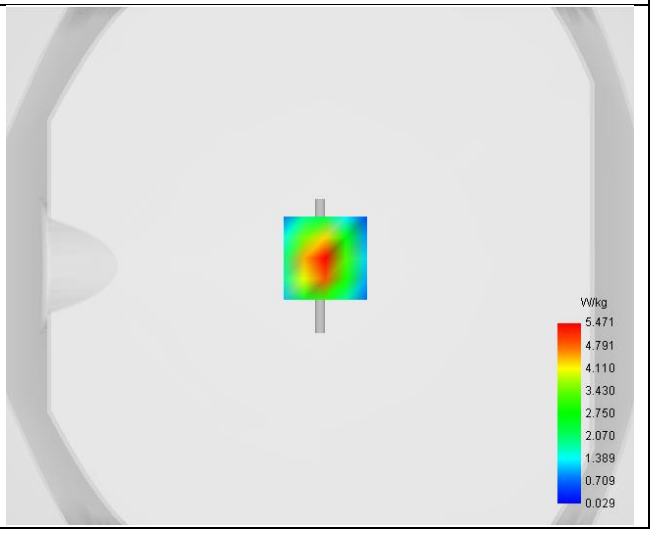

7.62
6.00
5.00
4.00
3.00
2.00
1.00
0.17
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
4.961
4.341
3.721
3.101
2.481
1.861
1.241
0.621
0.001

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: 2023-10-24

Experimental conditions.

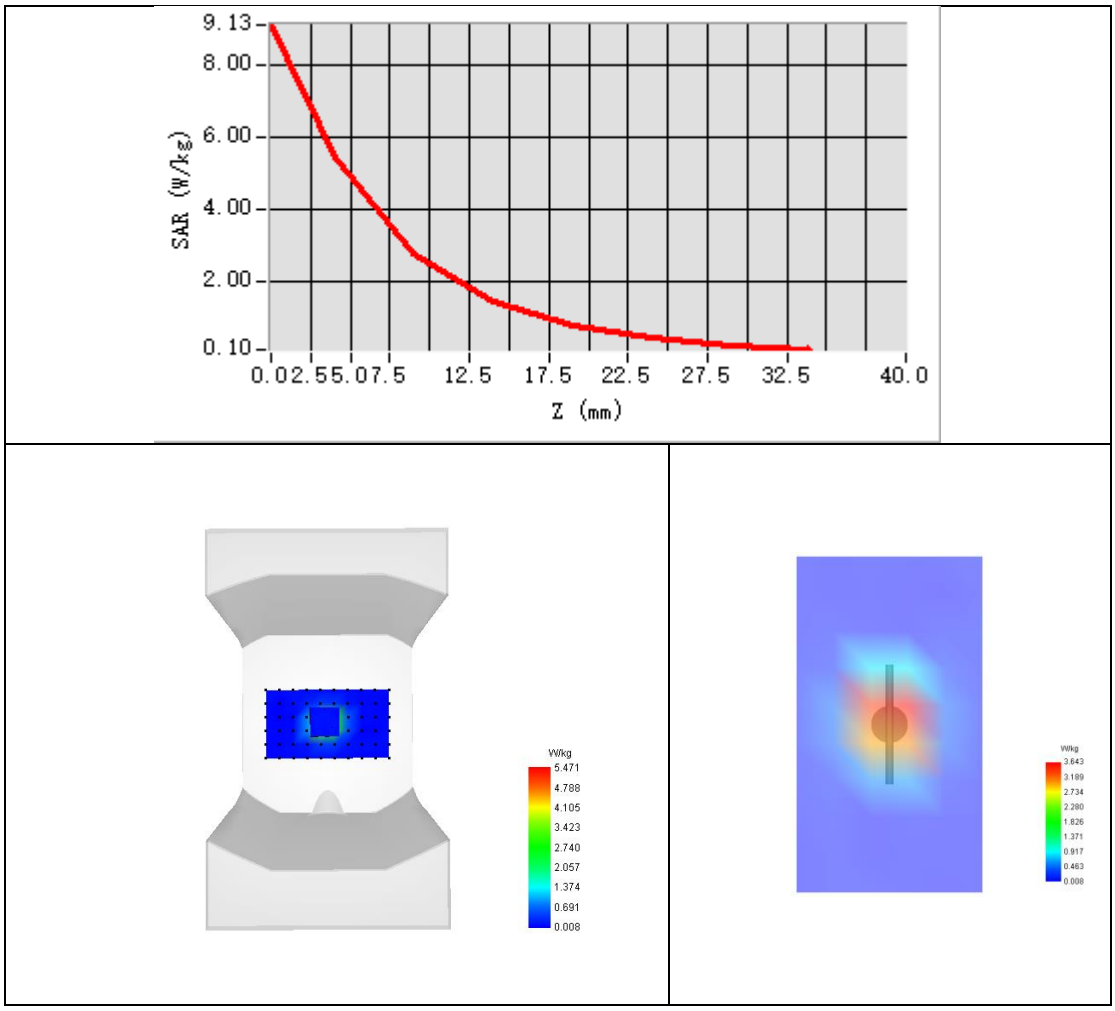
Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	39.62
Conductivity (S/m)	1.82
Probe	SN 04/22 EPGO364
ConvF	2.33
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=2.00, Y=3.00 ; SAR Peak: 9.30 W/kg

SAR 10g (W/Kg)	2.471
SAR 1g (W/Kg)	5.433

Z Axis Scan

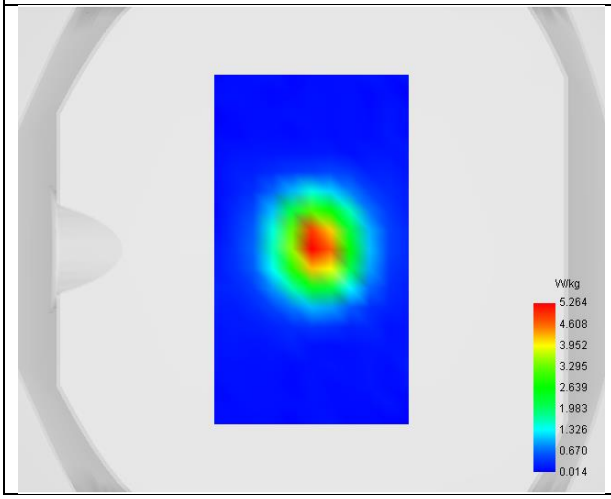
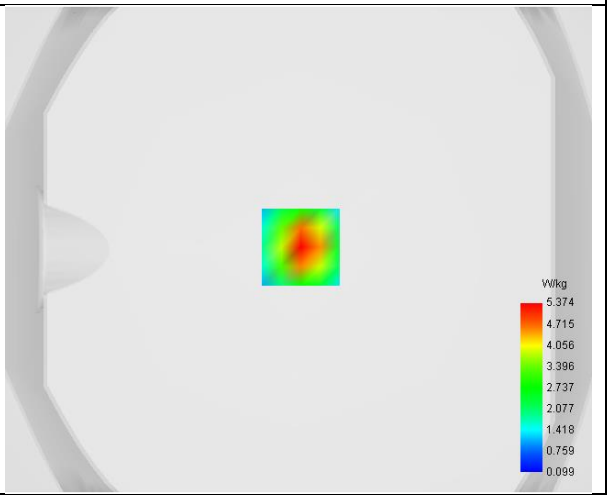

9.13
8.00
6.00
4.00
2.00
0.10
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
5.471
4.788
4.105
3.423
2.740
2.057
1.374
0.691
0.008
W/kg
3.643
3.189
2.734
2.280
1.826
1.371
0.917
0.463
0.008

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: 2023-10-29

Experimental conditions.

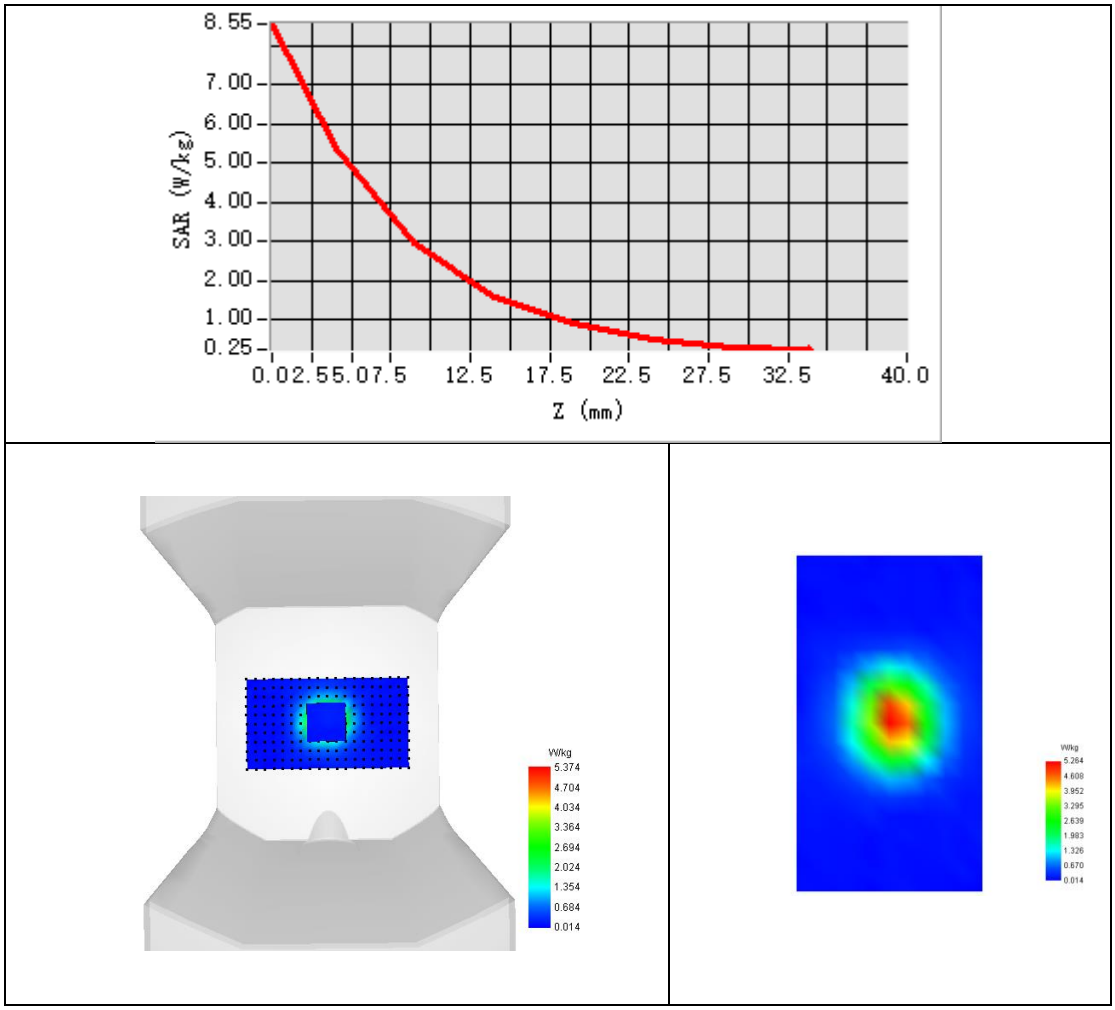
Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	40.00
Conductivity (S/m)	1.75
Probe	SN 04/22 EPGO364
ConvF	2.33
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=2.00, Y=3.00 ; SAR Peak: 9.30 W/kg

SAR 10g (W/Kg)	2.370
SAR 1g (W/Kg)	4.703

Z Axis Scan

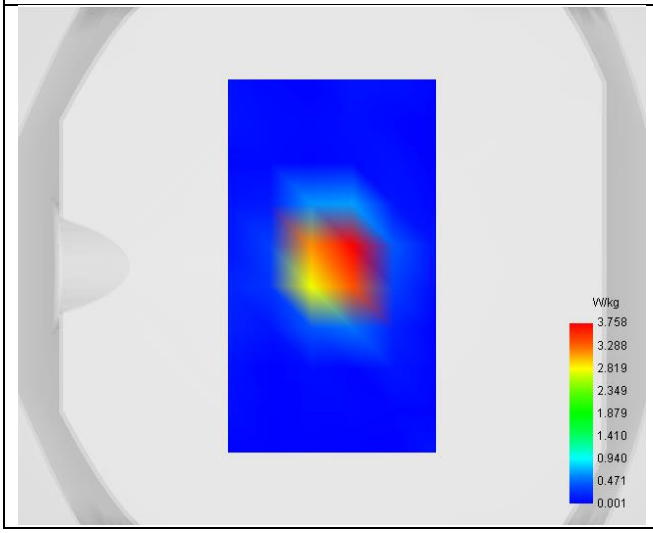
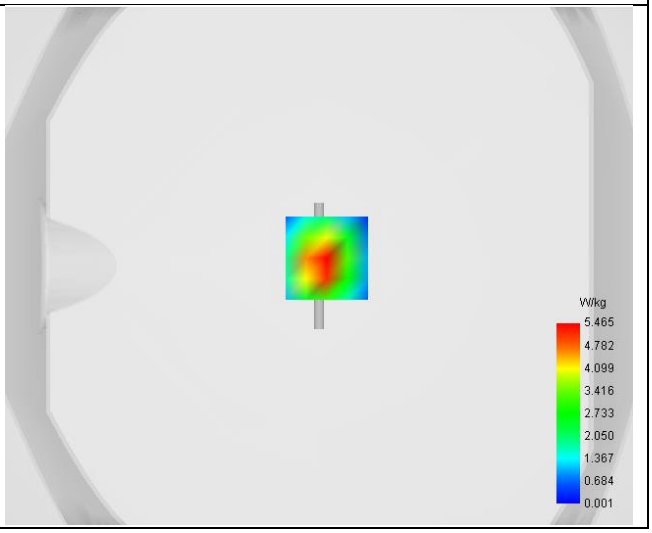

8.55
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.25
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
5.374
4.704
4.034
3.364
2.694
2.024
1.354
0.684
0.014

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: 2023-10-25

Experimental conditions.

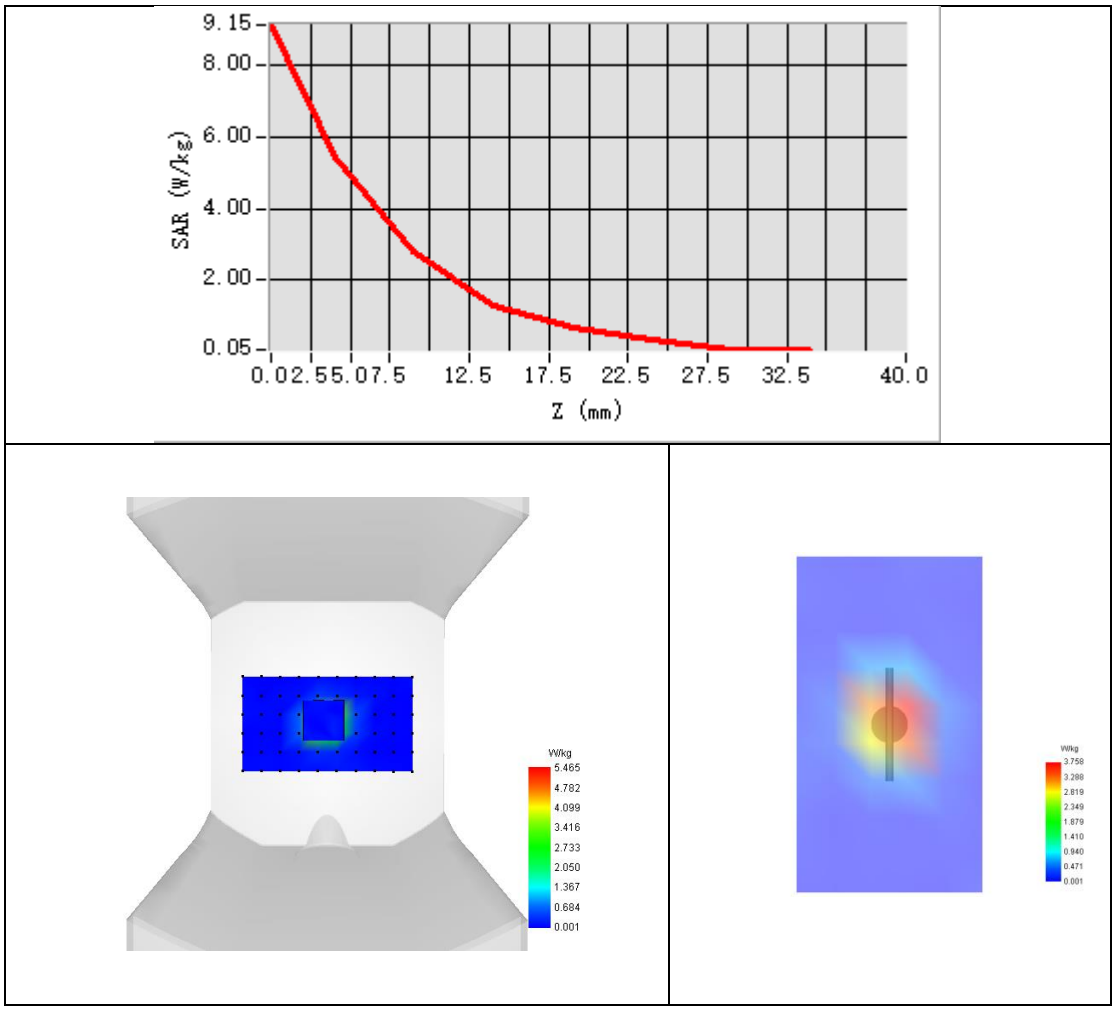
Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.09
Conductivity (S/m)	1.95
Probe	SN 04/22 EPGO364
ConvF	2.36
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=3.00, Y=3.00 ; SAR Peak: 9.58 W/kg

SAR 10g (W/Kg)	2.387
SAR 1g (W/Kg)	5.329

Z Axis Scan

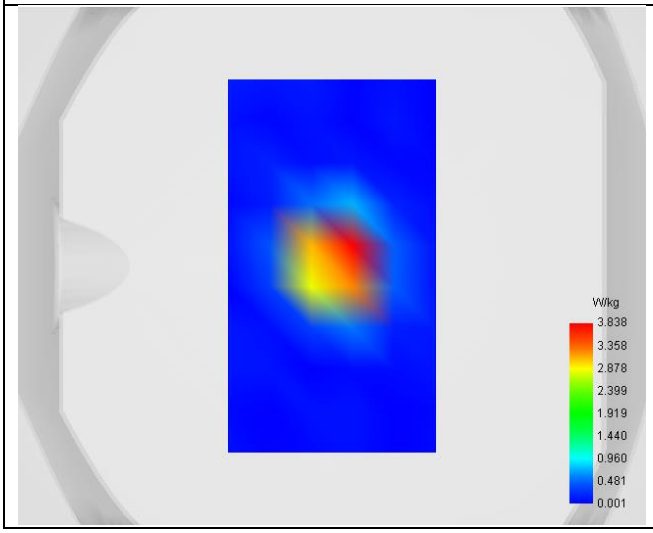
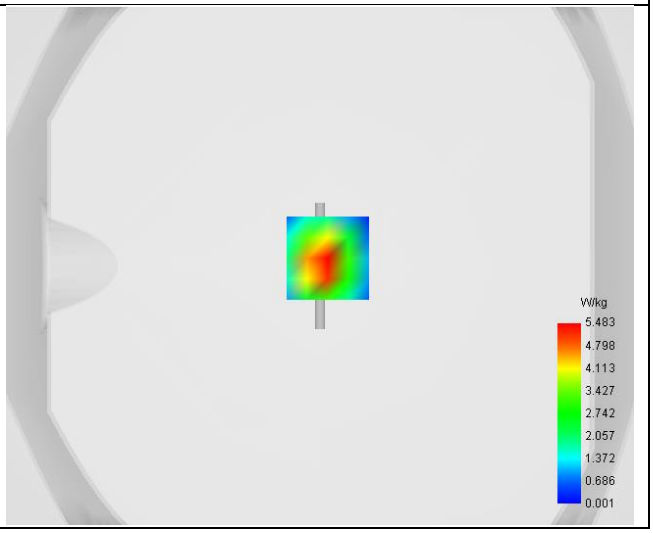

9.15
8.00
6.00
4.00
2.00
0.05
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
5.465
4.782
4.099
3.416
2.733
2.050
1.367
0.684
0.001
W/kg
3.758
3.288
2.819
2.349
1.879
1.410
0.940
0.471
0.001

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: 2023-10-26

Experimental conditions.

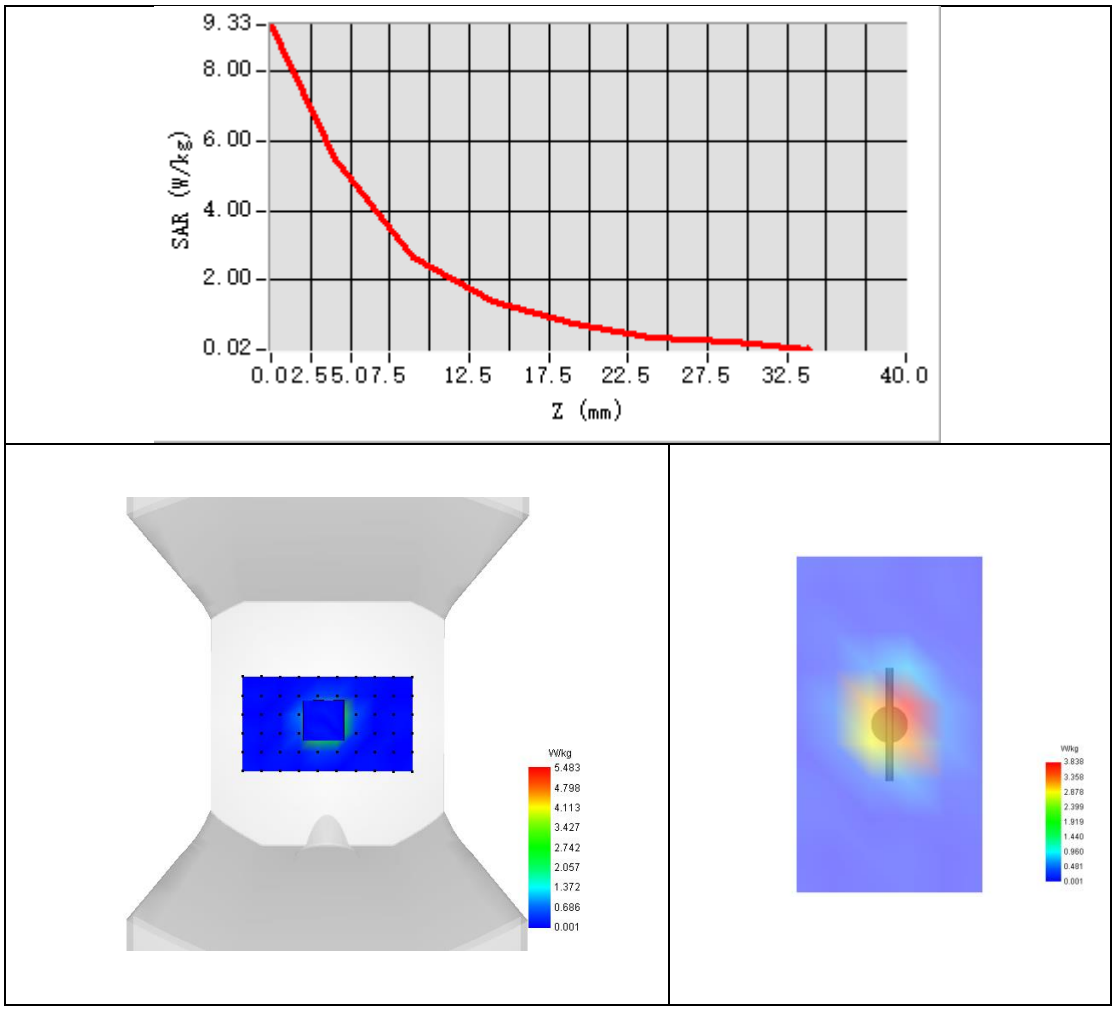
Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.83
Conductivity (S/m)	2.01
Probe	SN 04/22 EPGO364
ConvF	2.36
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=3.00, Y=3.00 ; SAR Peak: 9.77 W/kg

SAR 10g (W/Kg)	2.399
SAR 1g (W/Kg)	5.441

Z Axis Scan

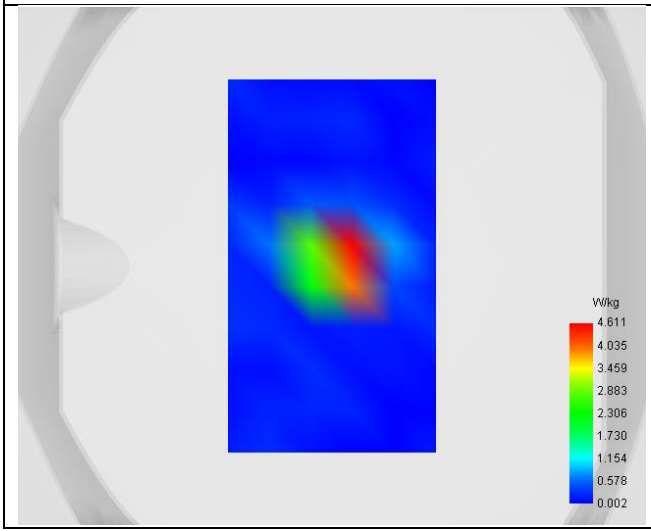
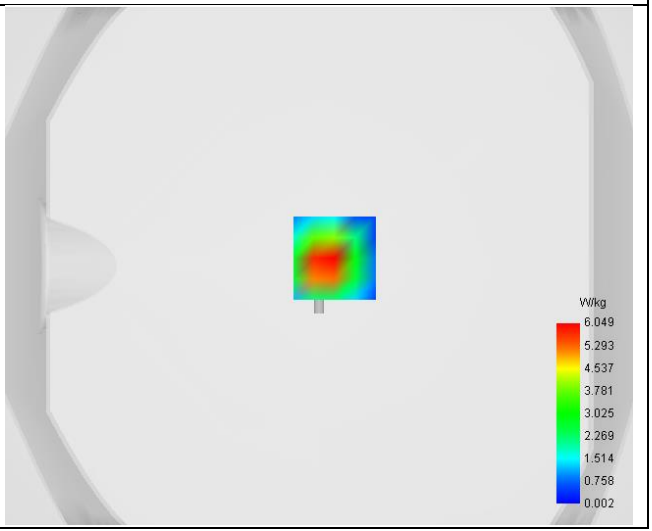

9.33
8.00
6.00
4.00
2.00
0.02
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
5.483
4.798
4.113
3.427
2.742
2.057
1.372
0.686
0.001
W/kg

System Performance Check Data (3500MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-10-27

Experimental conditions.

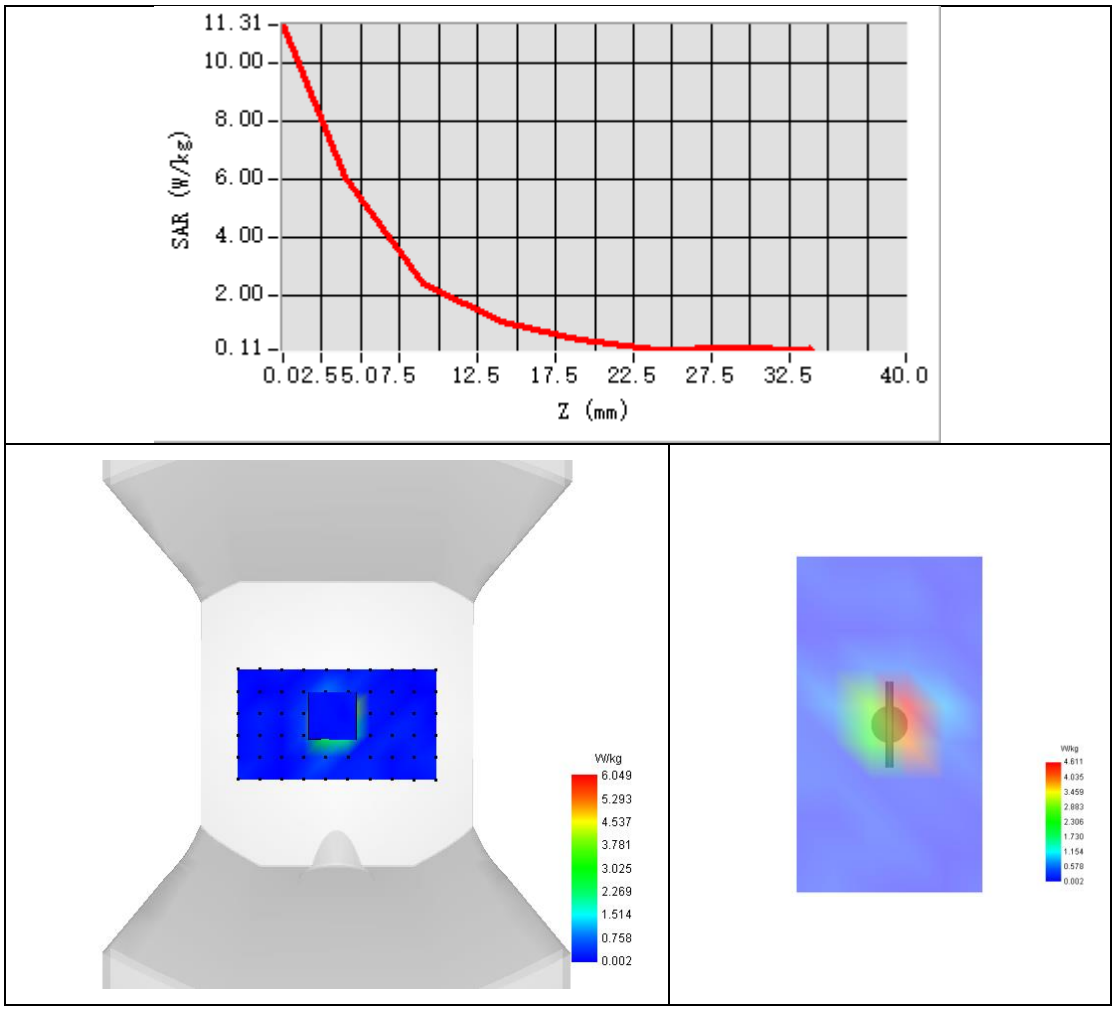
Phantom	Validation plane
Device Position	Dipole
Band	CW3500
Channels	Middle
Signal	CW
Frequency (MHz)	3500.000
Relative permittivity	38.18
Conductivity (S/m)	2.95
Probe	SN 04/22 EPGO364
ConvF	1.85
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=6.00, Y=3.00 ; SAR Peak: 12.71 W/kg

SAR 10g (W/Kg)	2.503
SAR 1g (W/Kg)	6.204

Z Axis Scan

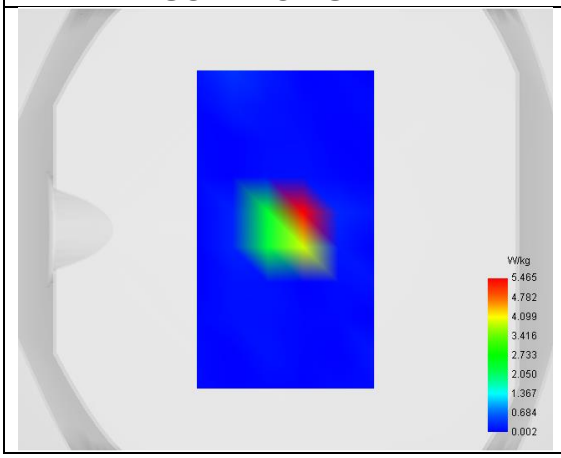
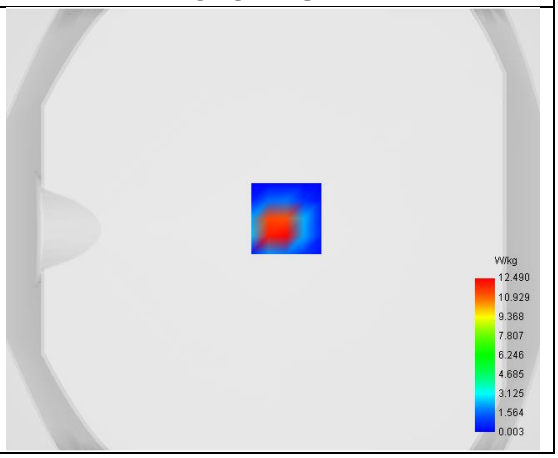

11.31
10.00
8.00
6.00
4.00
2.00
0.11
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
6.049
5.293
4.537
3.781
3.025
2.269
1.514
0.758
0.002

System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-10-28

Experimental conditions.

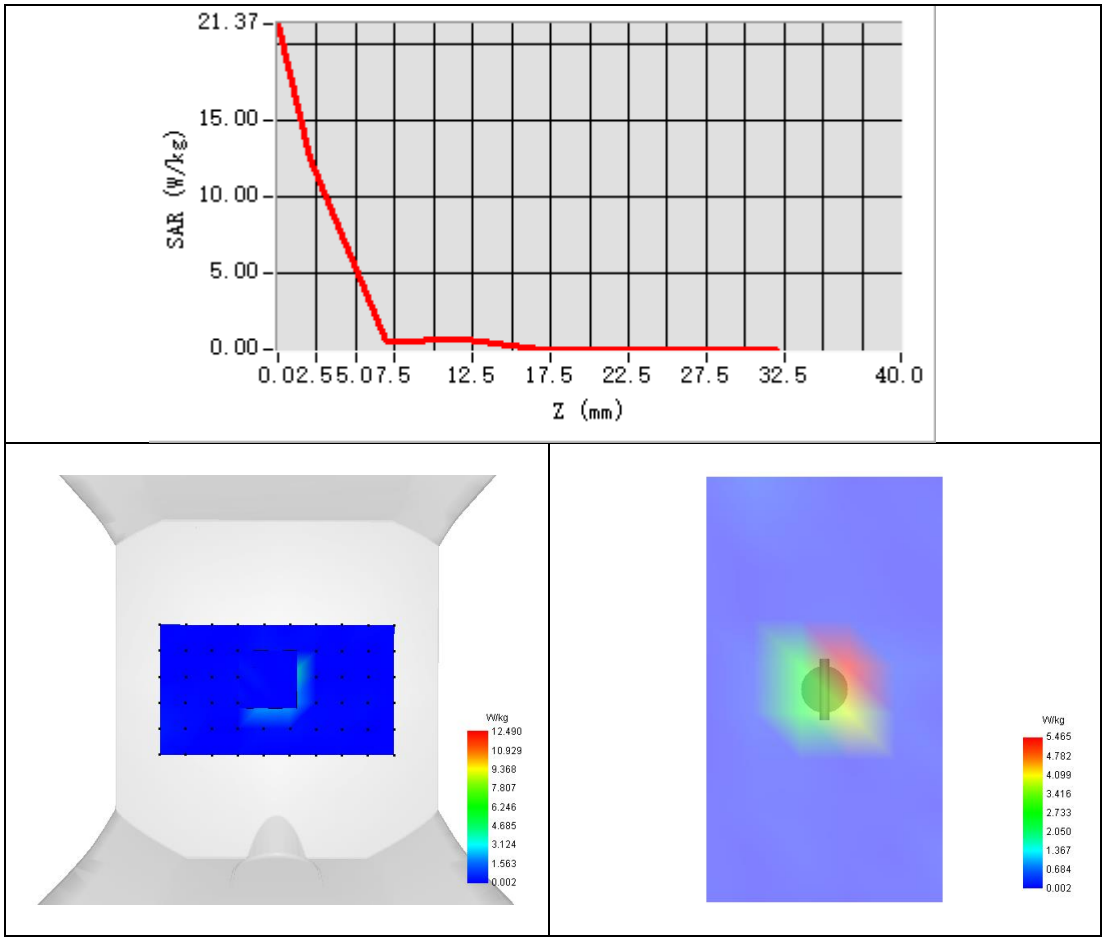
Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200MHz
Relative permittivity	37.03
Conductivity (S/m)	4.64
Probe	SN 04/22 EPGO364
ConvF	1.95
Crest factor:	1:1

SURFACE SAR	VOLUME SAR
	

Maximum location: X=6.00, Y=5.00 ; SAR Peak: 26.47 W/kg

SAR 10g (W/Kg)	2.222
SAR 1g (W/Kg)	7.728

Z Axis Scan

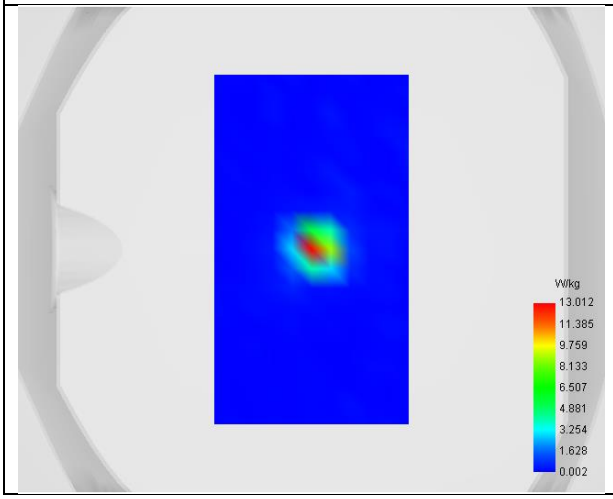
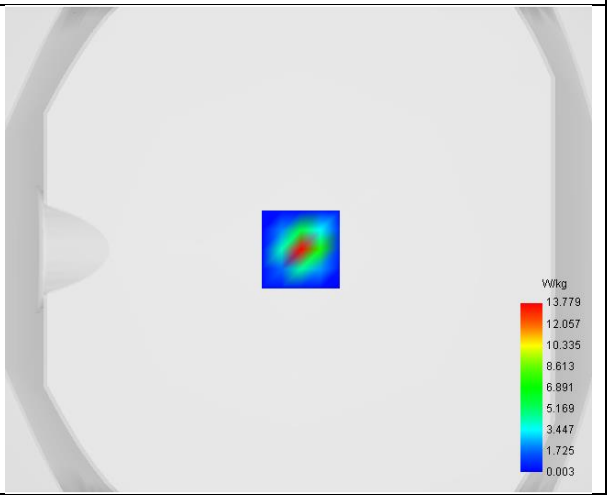

21.37
15.00
10.00
5.00
0.00
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
12.490
10.929
9.368
7.807
6.246
4.685
3.124
1.563
0.002
W/kg
5.465
4.782
4.099
3.416
2.733
2.050
1.367
0.684
0.002

System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-11-05

Experimental conditions.

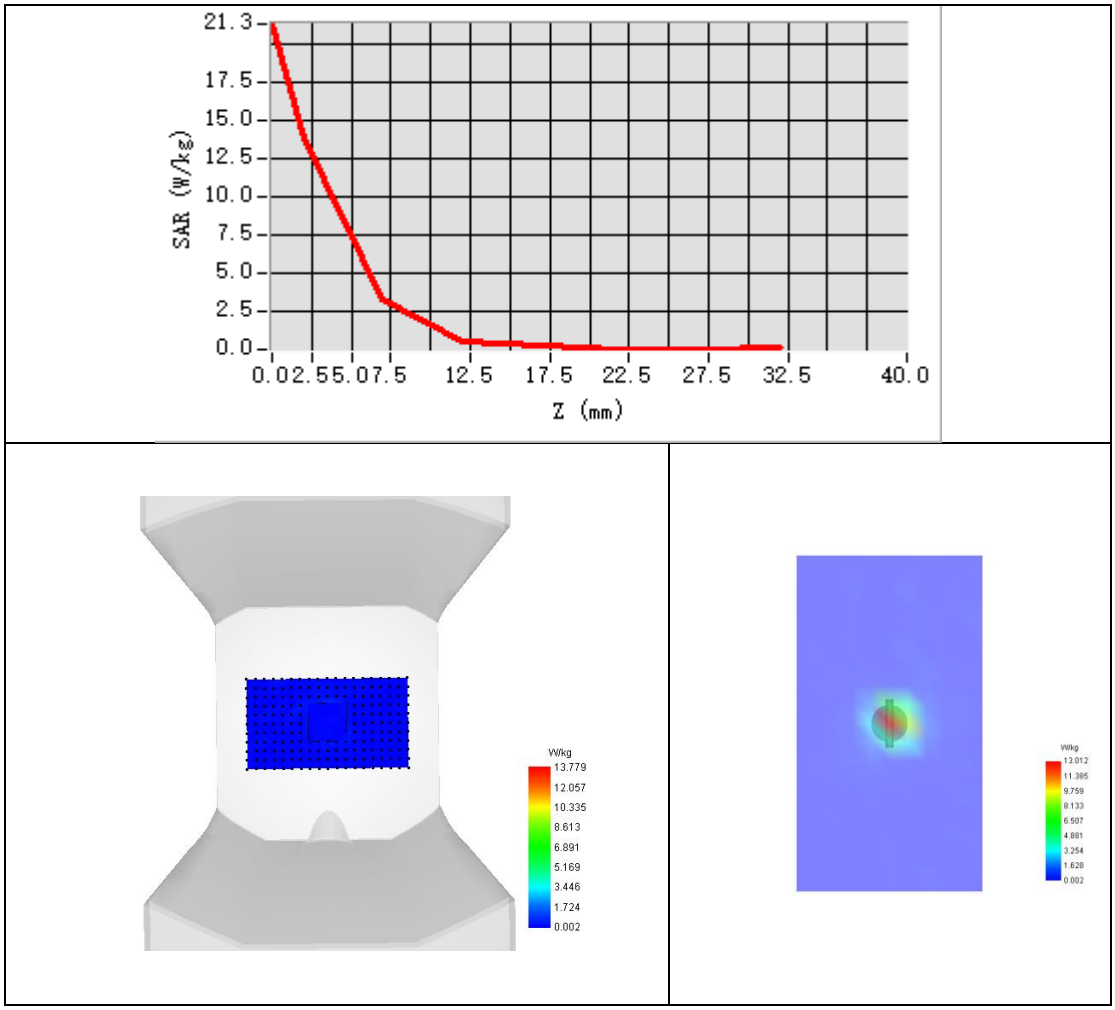
Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200.000
Relative permittivity	36.91
Conductivity (S/m)	4.64
Probe	SN 04/22 EPGO364
ConvF	1.91
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00 ; SAR Peak: 21.48 W/kg

SAR 10g (W/Kg)	2.316
SAR 1g (W/Kg)	7.182

Z Axis Scan

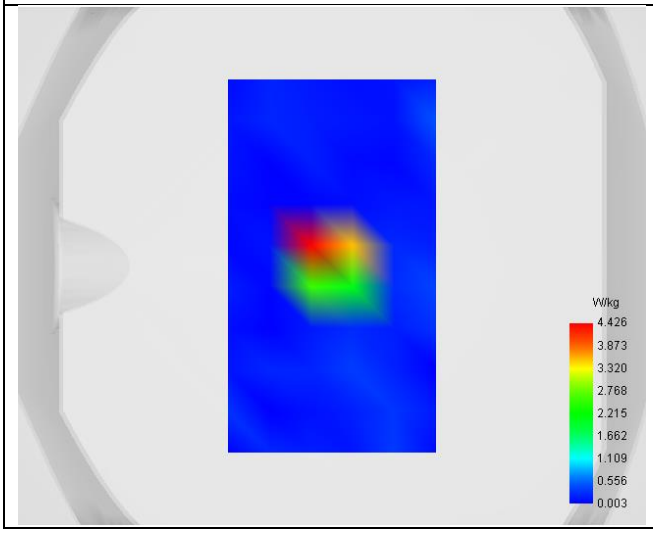
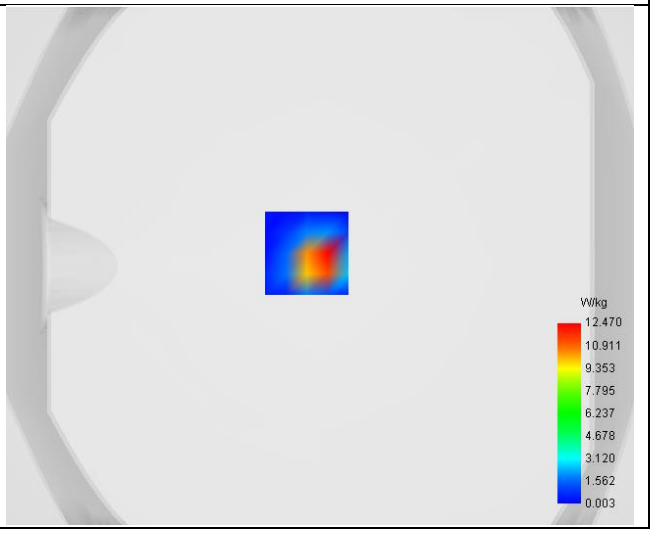

21.3
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
13.779
12.057
10.335
8.613
6.891
5.169
3.446
1.724
0.002
W/kg
13.012
11.385
9.759
8.133
6.507
4.881
3.254
1.628
0.002

System Performance Check Data (5300MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-11-01

Experimental conditions.

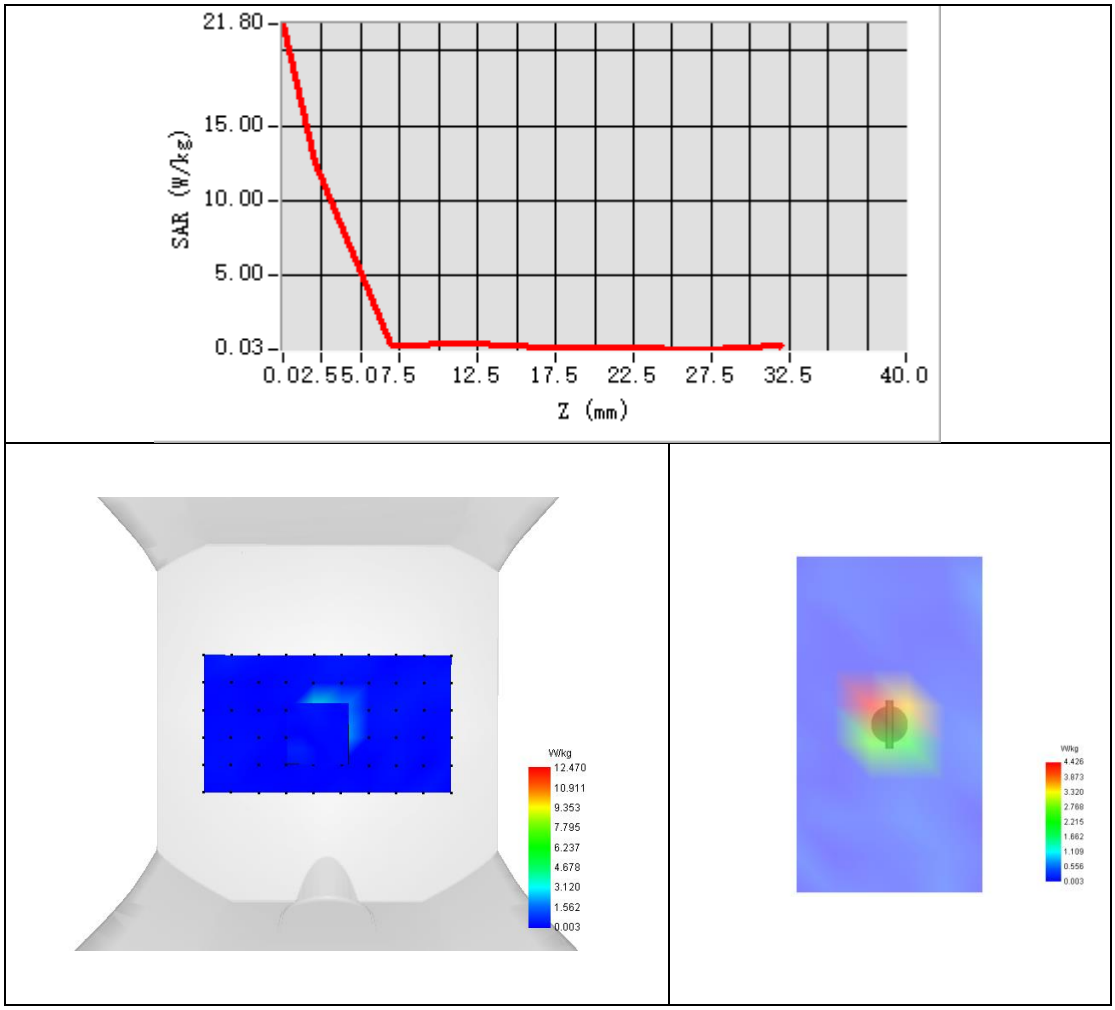
Phantom	Validation plane
Device Position	Dipole
Band	CW5300
Channels	Middle
Signal	CW
Frequency (MHz)	5300.000
Relative permittivity	36.10
Conductivity (S/m)	4.84
Probe	SN 04/22 EPGO364
ConvF	1.85
Crest factor:	1:1

SURFACE	VOLUME SAR
	

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

SAR 10g (W/Kg)	2.334
SAR 1g (W/Kg)	7.492

Z Axis Scan

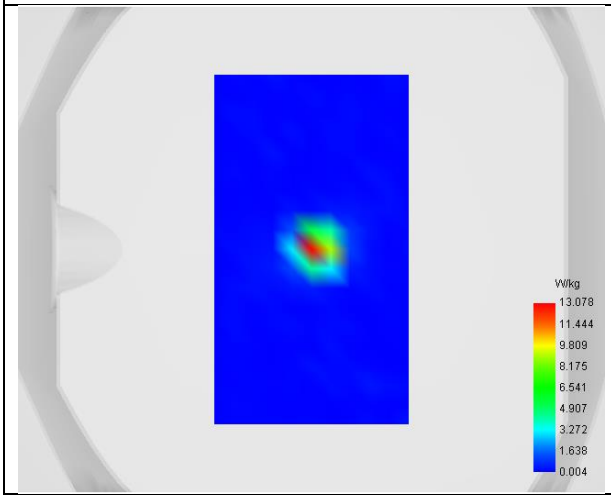
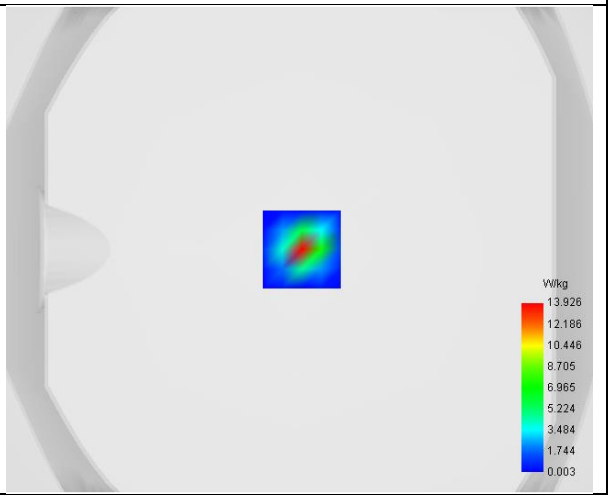

21.80
15.00
10.00
5.00
0.03
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
12.470
10.911
9.353
7.795
6.237
4.678
3.120
1.562
0.003
W/kg
4.426
3.873
3.320
2.768
2.215
1.662
1.109
0.556
0.003

System Performance Check Data (5300MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-11-06

Experimental conditions.

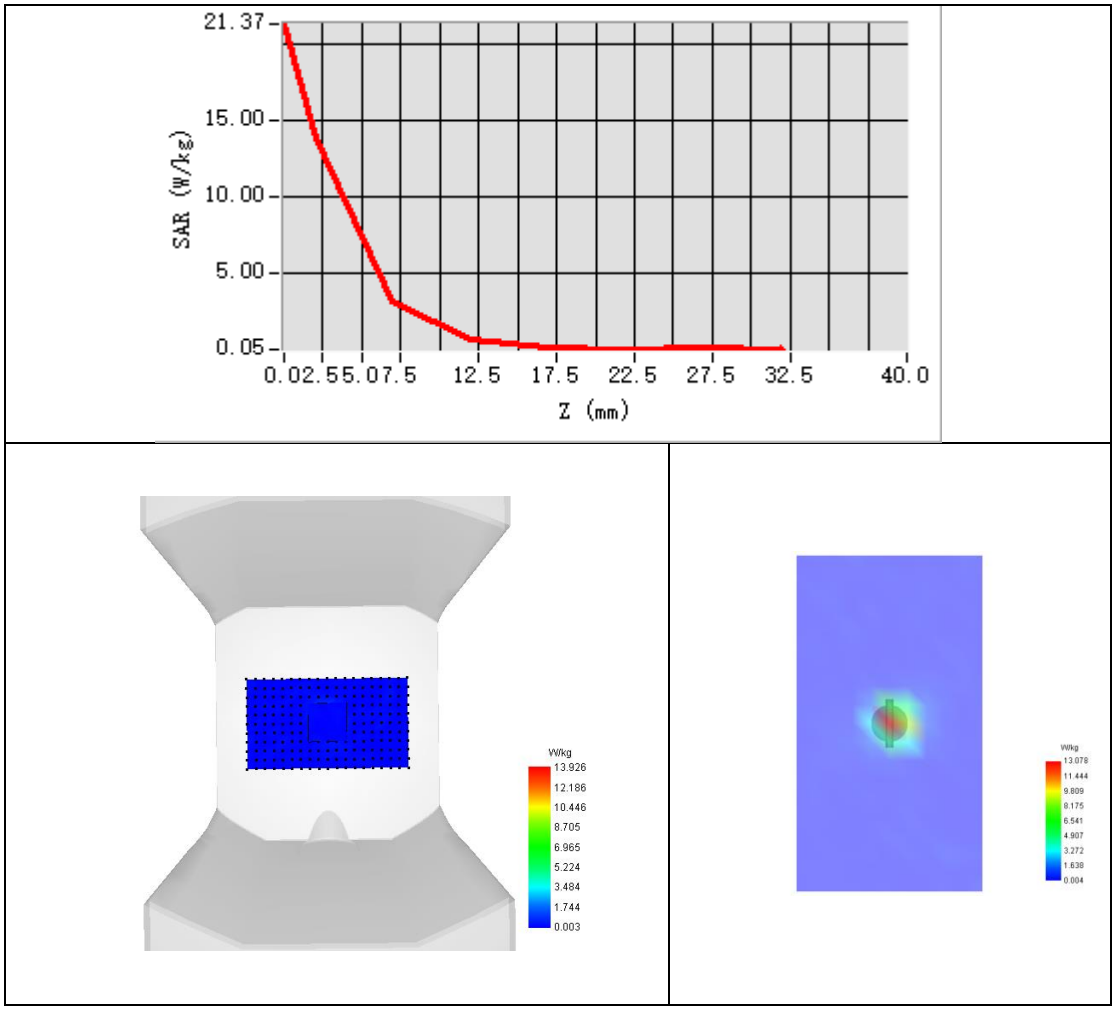
Phantom	Validation plane
Device Position	Dipole
Band	CW5300
Channels	Middle
Signal	CW
Frequency (MHz)	5300.000
Relative permittivity	37.04
Conductivity (S/m)	4.75
Probe	SN 04/22 EPGO364
ConvF	1.80
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00 ; SAR Peak: 22.27 W/kg

SAR 10g (W/Kg)	2.342
SAR 1g (W/Kg)	7.492

Z Axis Scan

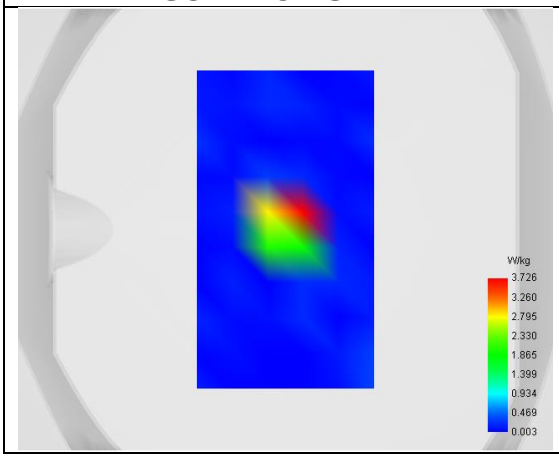
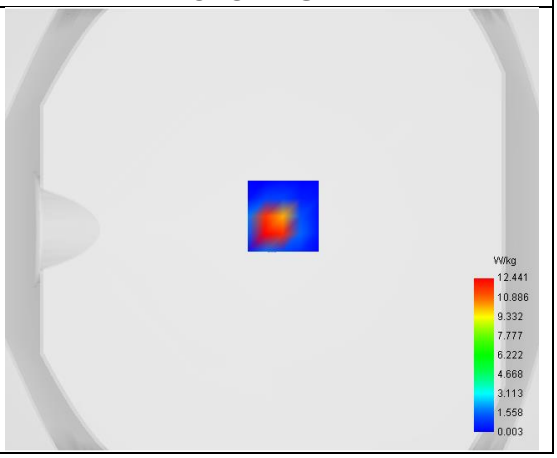

21.37
15.00
10.00
5.00
0.05
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
13.926
12.186
10.446
8.705
6.965
5.224
3.484
1.744
0.003
W/kg
13.078
11.444
9.809
8.175
6.541
4.907
3.272
1.638
0.004

System Performance Check Data (5600MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-11-02

Experimental conditions.

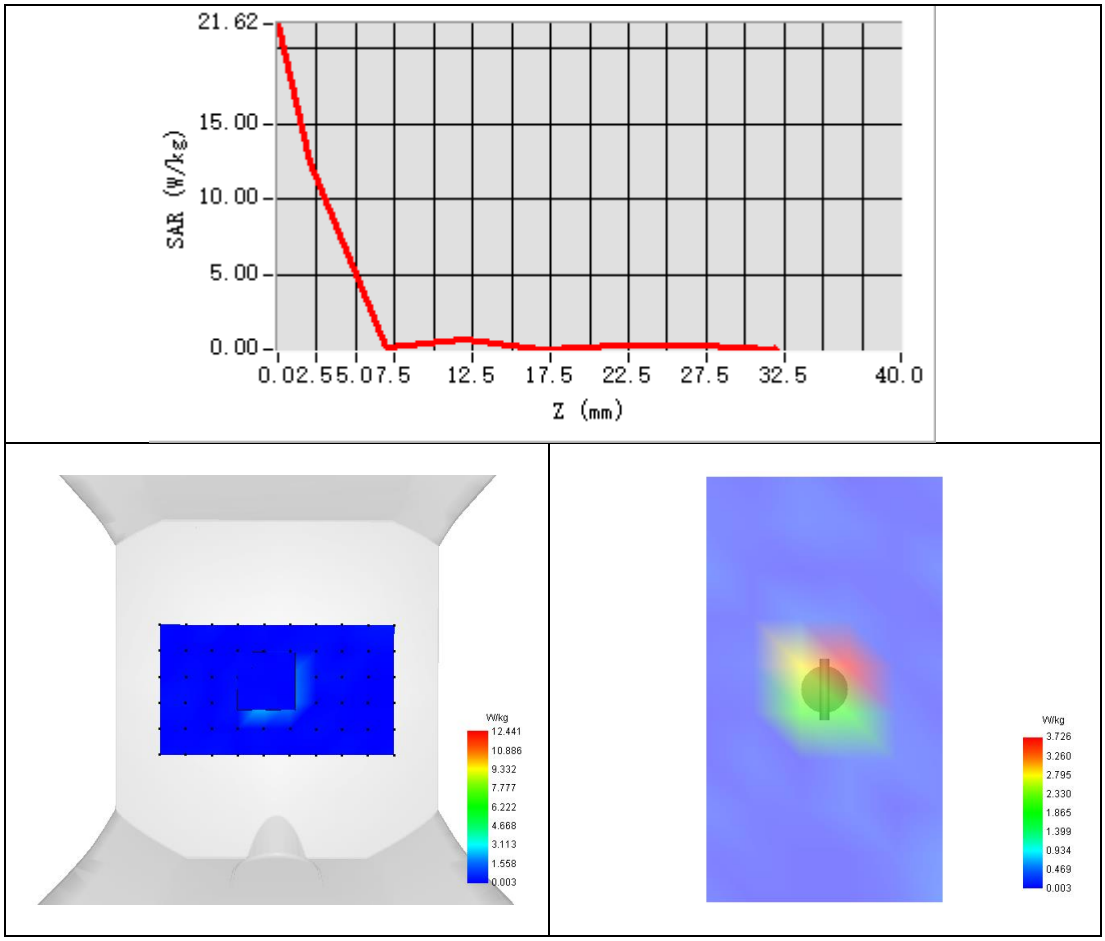
Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels	Middle
Signal	CW
Frequency (MHz)	5600MHz
Relative permittivity	35.70
Conductivity (S/m)	5.11
Probe	SN 04/22 EPGO364
ConvF	1.86
Crest factor:	1:1

SURFACE SAR	VOLUME SAR
	

Maximum location: X=5.00, Y=6.00 ; SAR Peak: 27.65 W/kg

SAR 10g (W/Kg)	2.395
SAR 1g (W/Kg)	7.818

Z Axis Scan

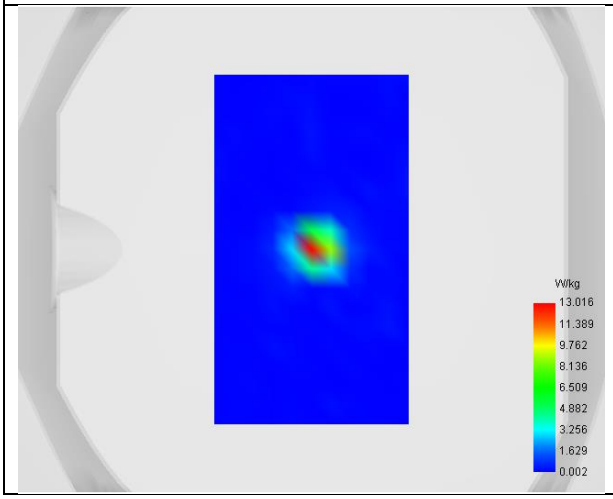
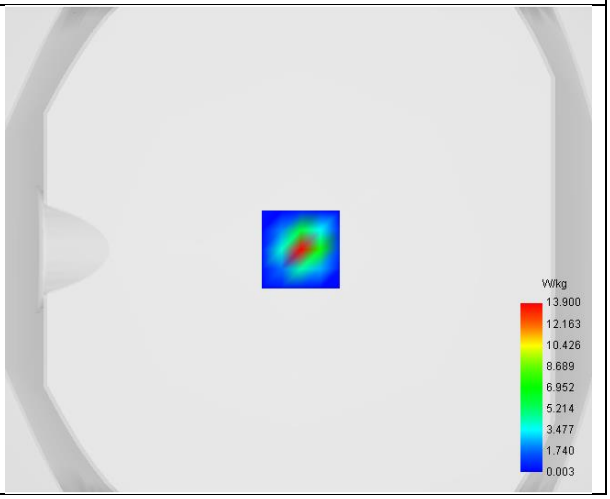

21.62
15.00
10.00
5.00
0.00
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
12.441
10.886
9.332
7.777
6.222
4.668
3.113
1.558
0.003
W/kg
3.726
3.260
2.795
2.330
1.865
1.399
0.934
0.469
0.003

System Performance Check Data (5600MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-11-07

Experimental conditions.

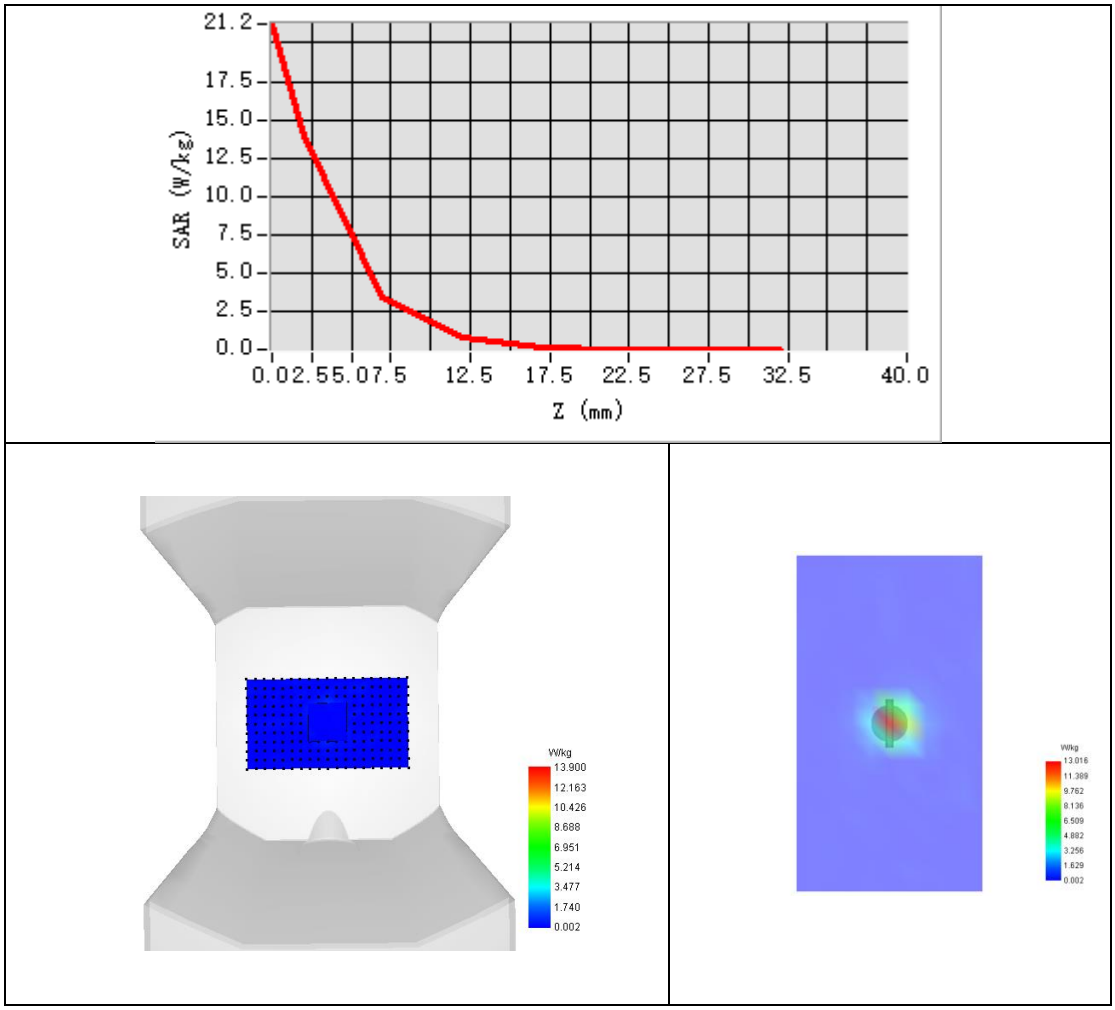
Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels	Middle
Signal	CW
Frequency (MHz)	5600.000
Relative permittivity	36.05
Conductivity (S/m)	5.04
Probe	SN 04/22 EPGO364
ConvF	1.76
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00 ; SAR Peak: 22.38 W/kg

SAR 10g (W/Kg)	2.308
SAR 1g (W/Kg)	8.258

Z Axis Scan

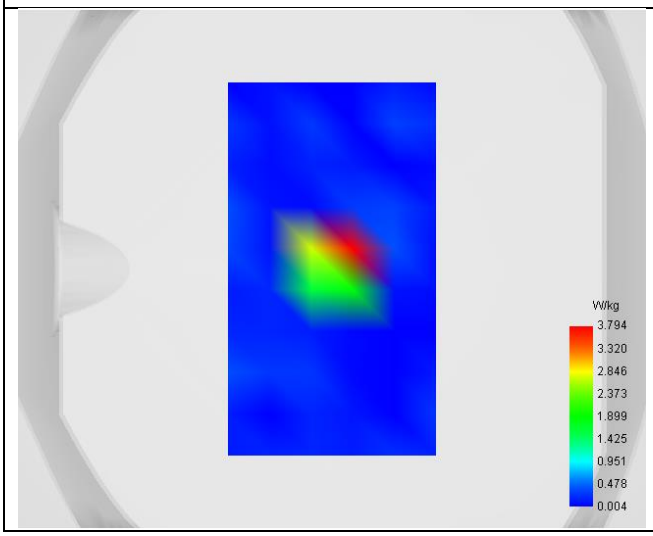
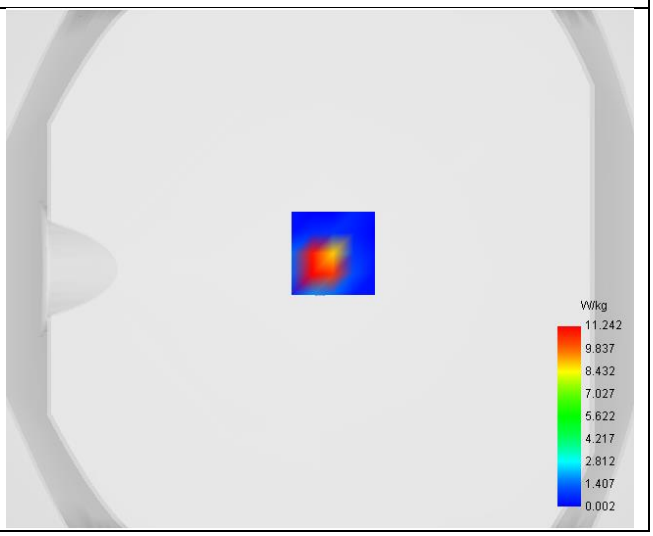

21.2
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
13.900
12.163
10.426
8.688
6.951
5.214
3.477
1.740
0.002

System Performance Check Data (5800MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-11-03

Experimental conditions.

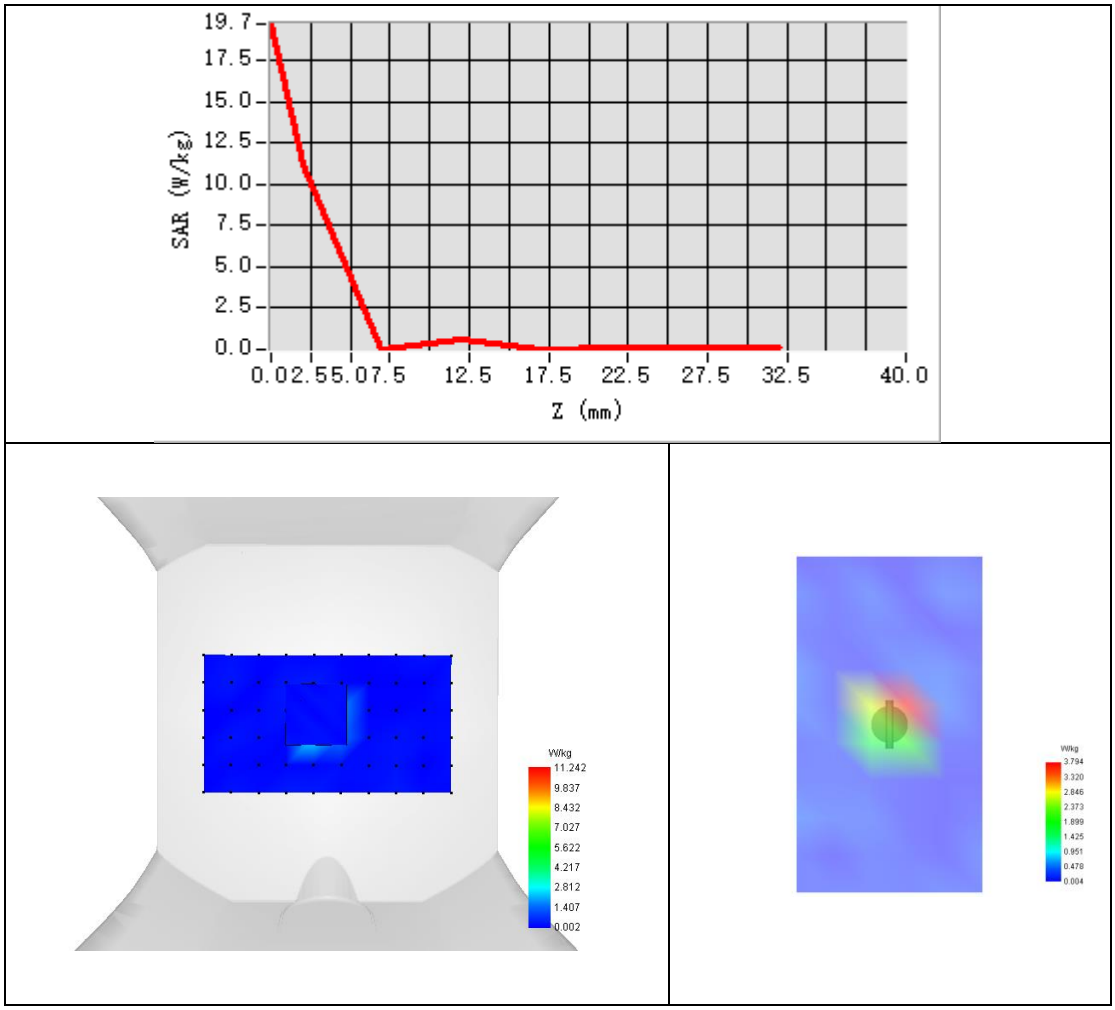
Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW
Frequency (MHz)	5800.000
Relative permittivity	36.74
Conductivity (S/m)	5.30
Probe	SN 04/22 EPGO364
ConvF	1.73
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=5.00, Y=6.00 ; SAR Peak: 25.25 W/kg

SAR 10g (W/Kg)	2.317
SAR 1g (W/Kg)	7.471

Z Axis Scan

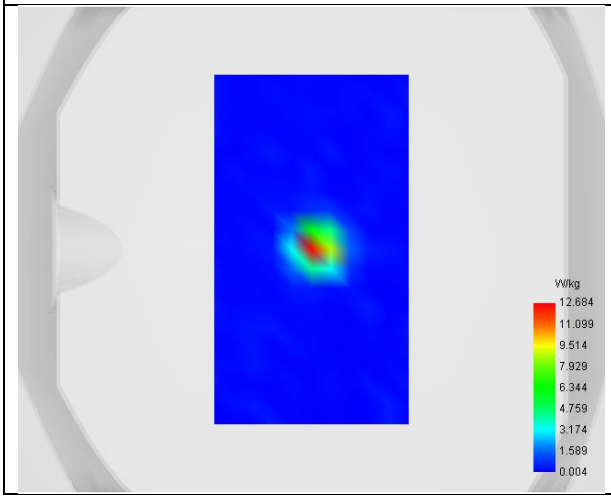
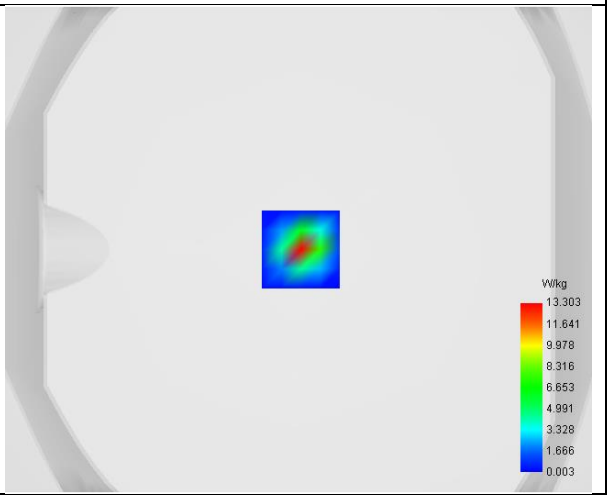

19.7
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
11.242
9.837
8.432
7.027
5.622
4.217
2.812
1.407
0.002
W/kg
3.794
3.320
2.846
2.373
1.899
1.425
0.951
0.478
0.004

System Performance Check Data (5800MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-11-08

Experimental conditions.

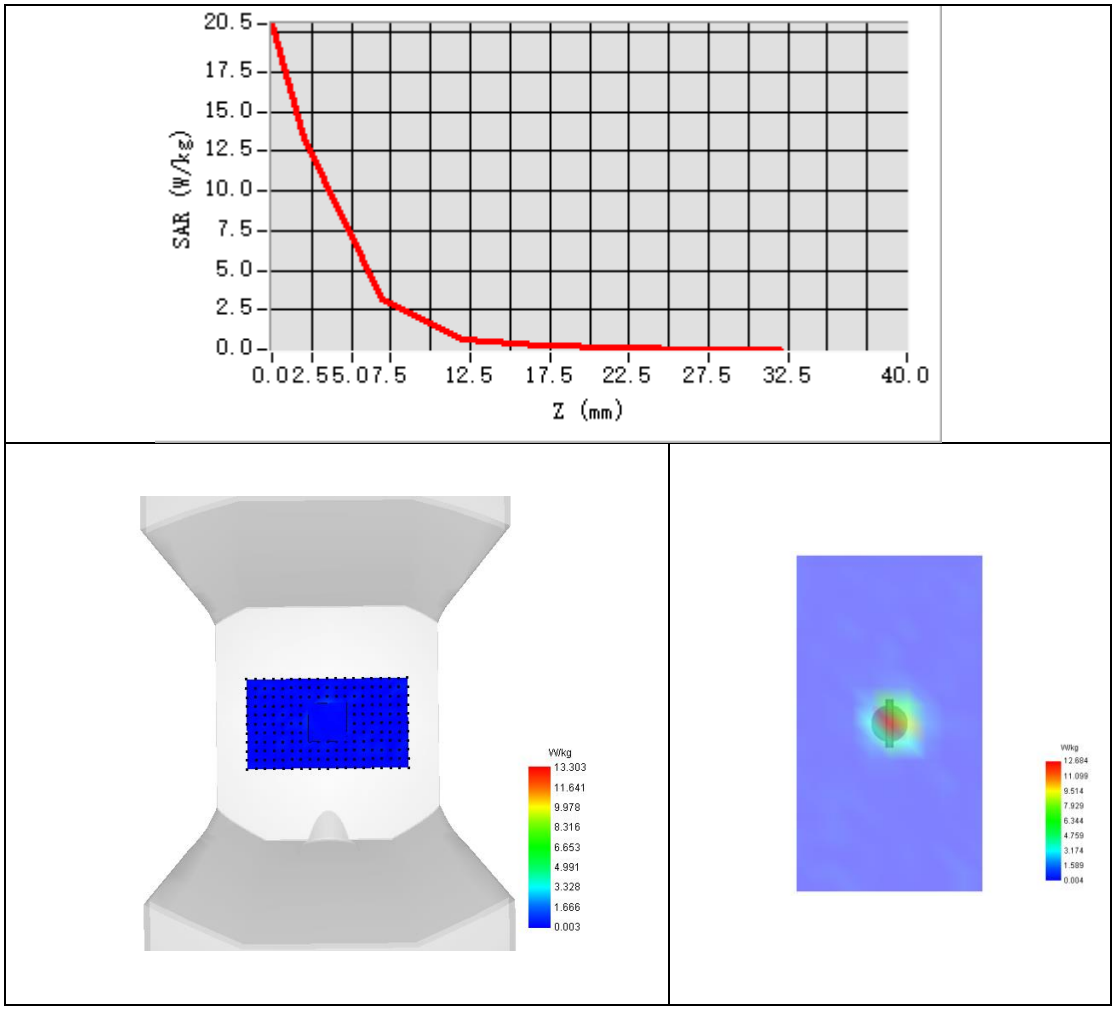
Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW
Frequency (MHz)	5800.000
Relative permittivity	36.35
Conductivity (S/m)	5.30
Probe	SN 04/22 EPGO364
ConvF	1.70
Crest factor:	1:1

SURFACE	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00 ; SAR Peak: 21.12 W/kg

SAR 10g (W/Kg)	2.295
SAR 1g (W/Kg)	7.649

Z Axis Scan


20.5
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)
W/kg
13.303
11.641
9.978
8.316
6.653
4.991
3.328
1.666
0.003
W/kg
12.684
11.099
9.514
7.929
6.344
4.759
3.174
1.589
0.004

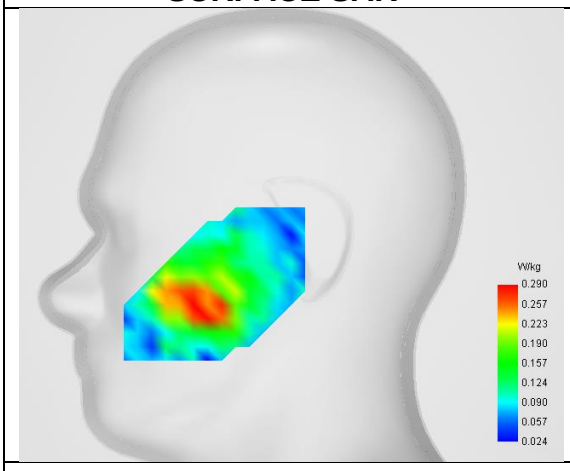
Appendix B. SAR Test Plots

Plot 1:

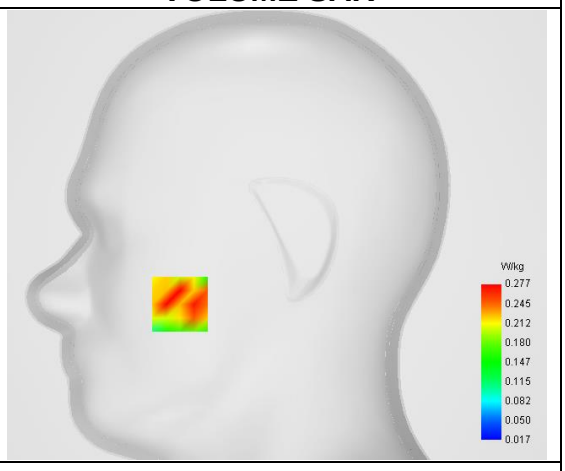
Test Date	2023-10-01
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	GSM900
Signal	TDMA (GSM)
Frequency	902.4
SAR 10g (W/Kg)	0.163
SAR 1g (W/Kg)	0.276

Maximum location: X=-56.00, Y=-40.00 ; SAR Peak: 0.51 W/kg

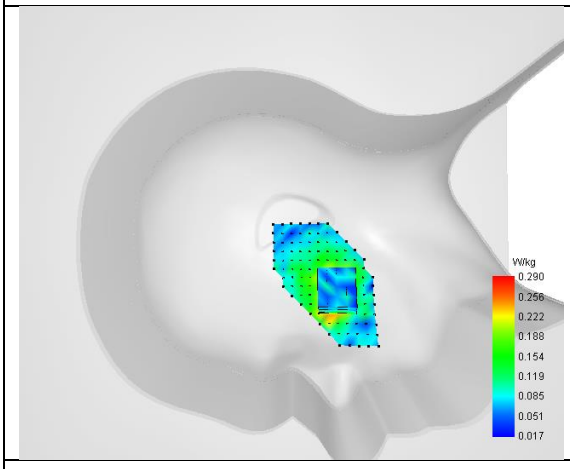
SURFACE SAR



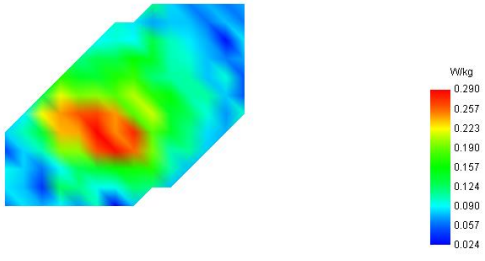
VOLUME SAR

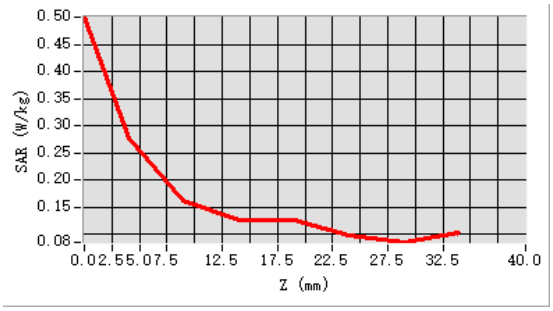


3D screen shot



Hot spot position

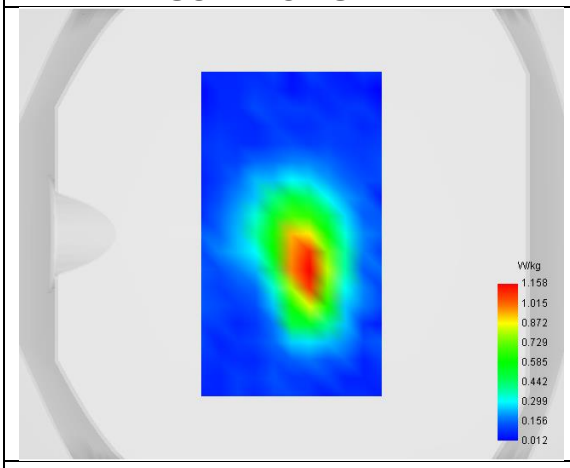
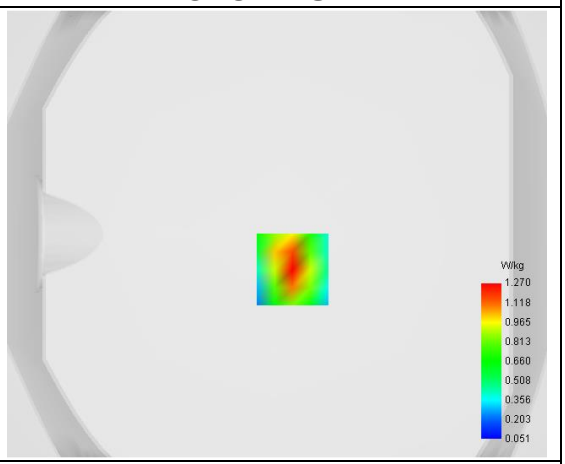
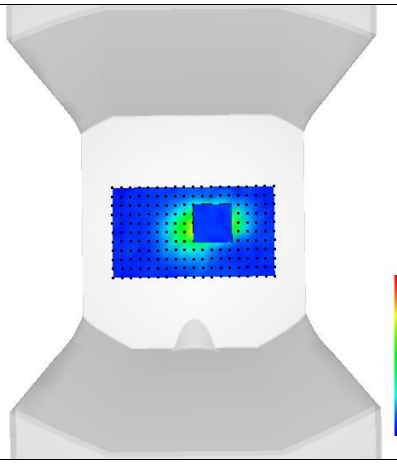
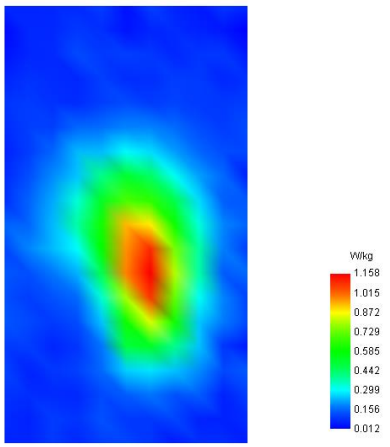
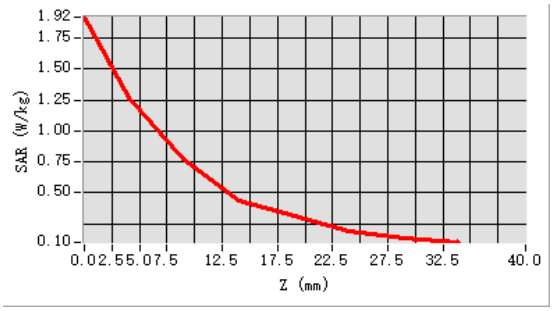




Plot 2:

Test Date	2023-10-01
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	GPRS900
Signal	TDMA (GPRS)
Frequency	902.4
SAR 10g (W/Kg)	0.645
SAR 1g (W/Kg)	1.163

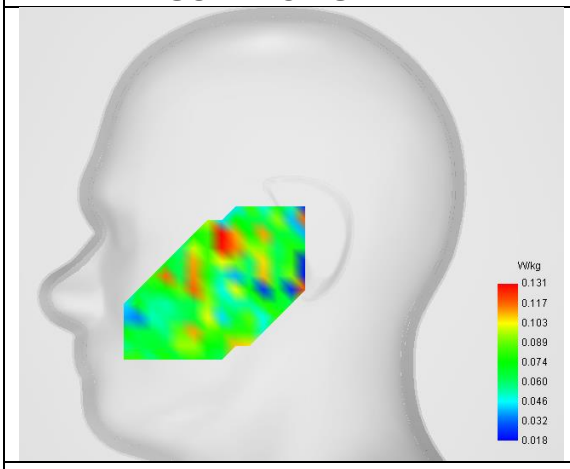
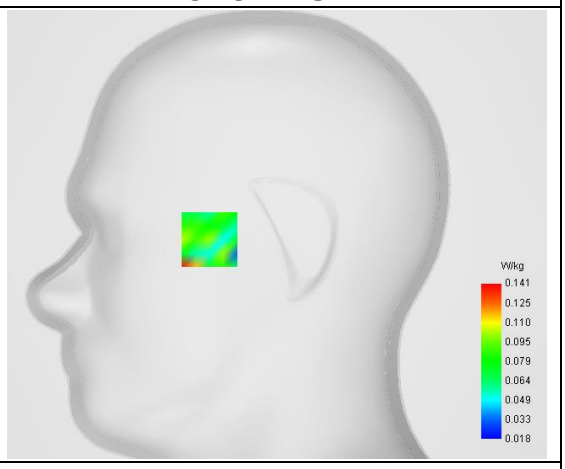
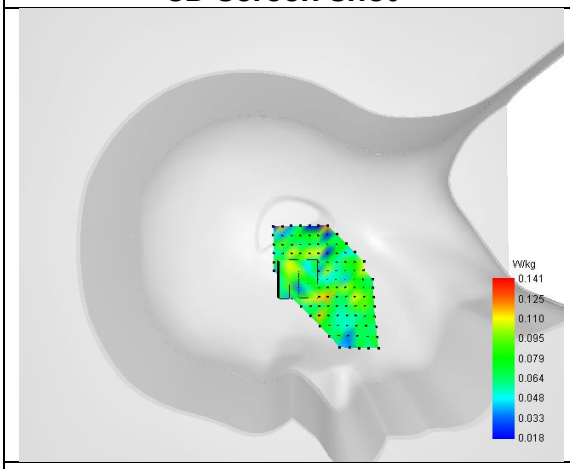
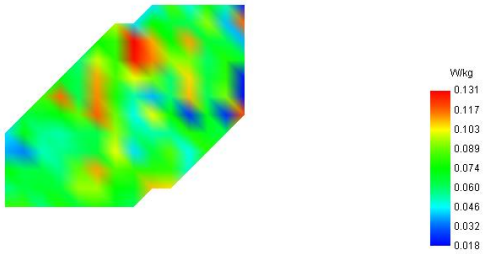
Maximum location: X=7.00, Y=-16.00 ; SAR Peak: 1.91 W/kg

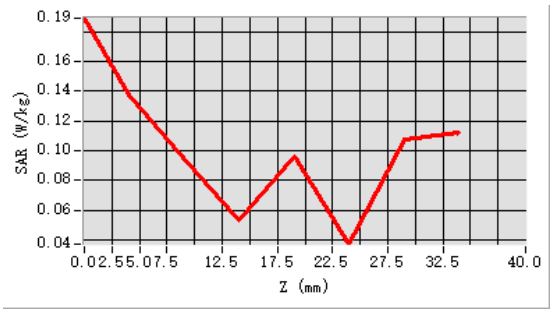
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 3:

Test Date	2023-10-02
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	GSM1800
Signal	TDMA (GSM)
Frequency	1784.8
SAR 10g (W/Kg)	0.061
SAR 1g (W/Kg)	0.110

Maximum location: X=-39.00, Y=-3.00 ; SAR Peak: 0.33 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	

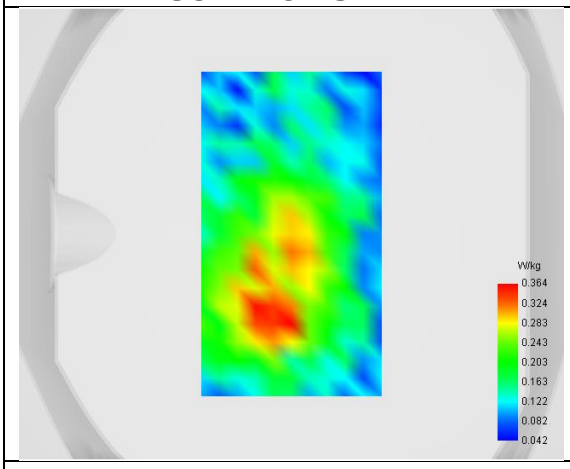


Plot 4:

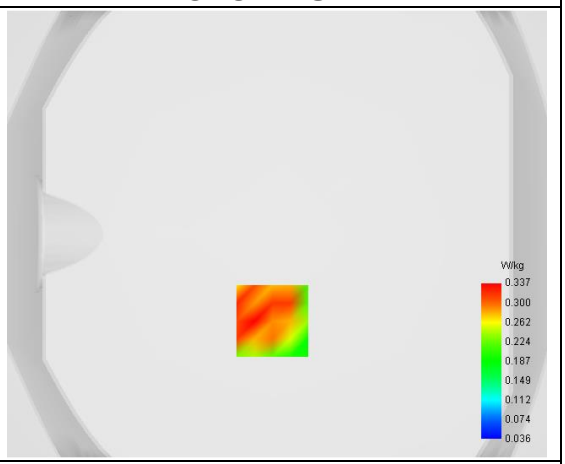
Test Date	2023-10-02
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	GPRS1800
Signal	TDMA (GPRS)
Frequency	1784.8
SAR 10g (W/Kg)	0.177
SAR 1g (W/Kg)	0.330

Maximum location: X=-2.00, Y=-39.00 ; SAR Peak: 0.59 W/kg

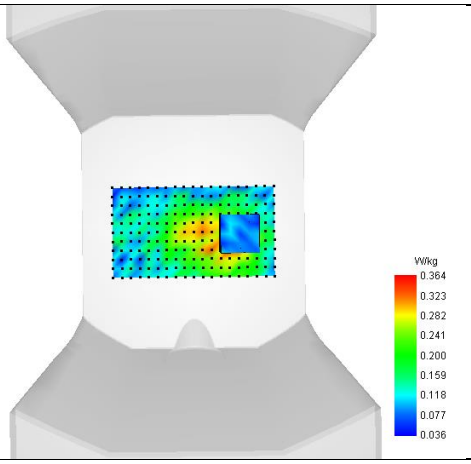
SURFACE SAR



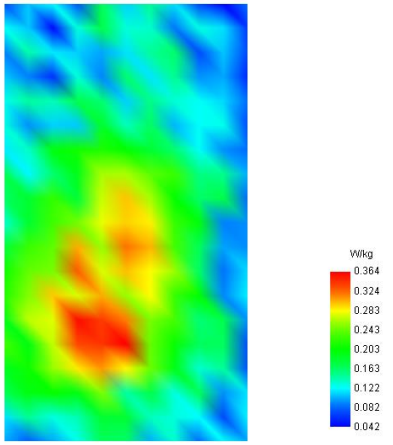
VOLUME SAR

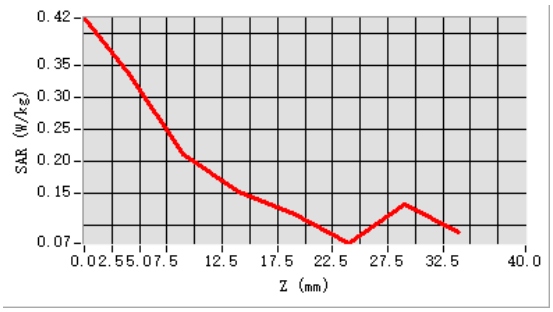


3D screen shot



Hot spot position

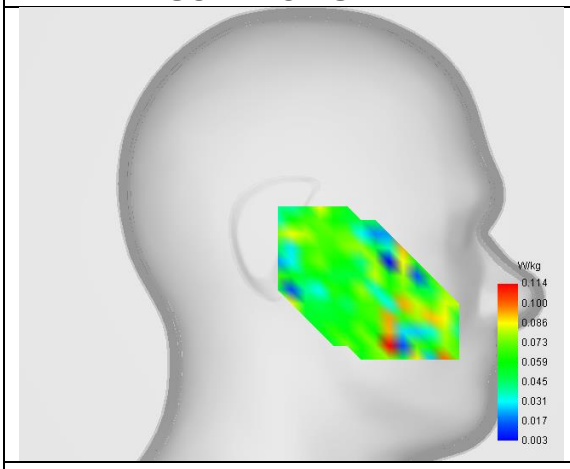
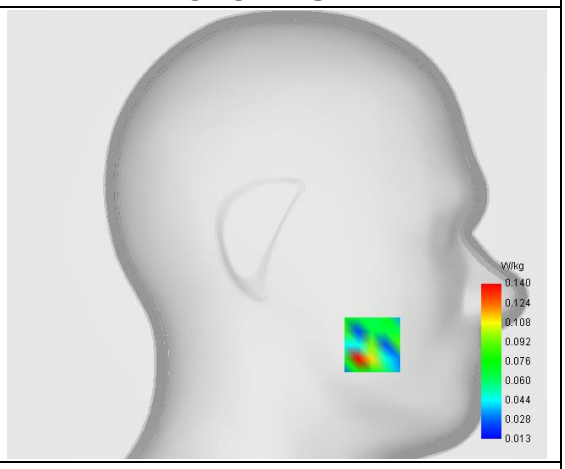
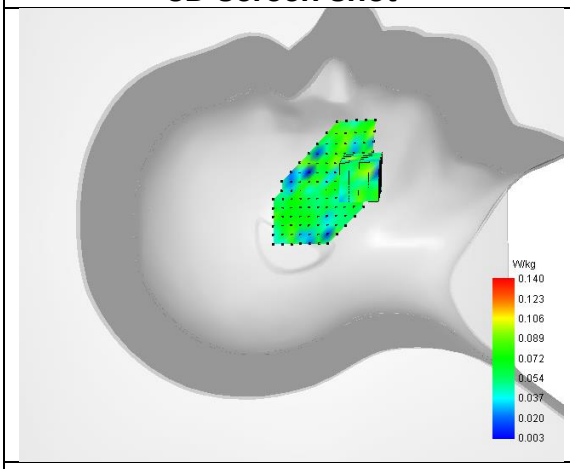
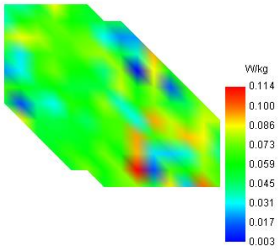
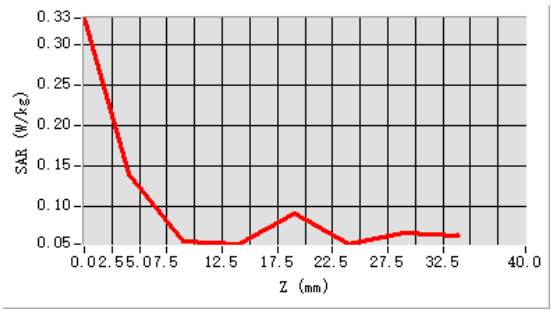




Plot 5:

Test Date	2023-10-18
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	Band 1 (UMTS)
Signal	WCDMA
Frequency	1922.4
SAR 10g (W/Kg)	0.072
SAR 1g (W/Kg)	0.143

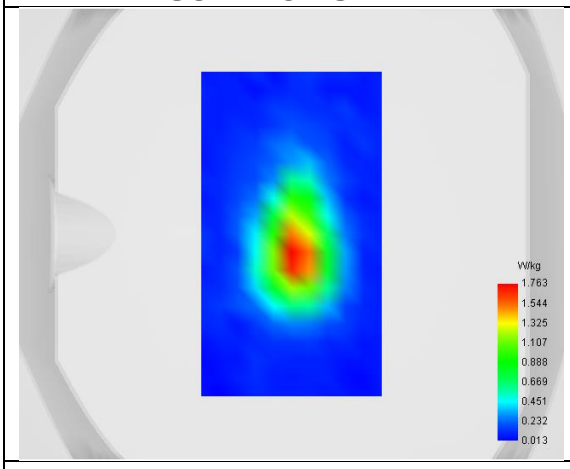
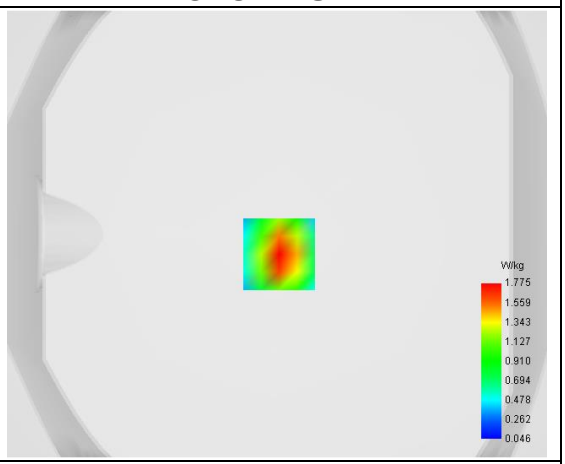
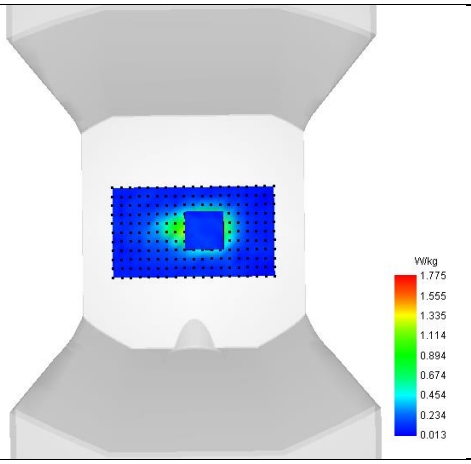
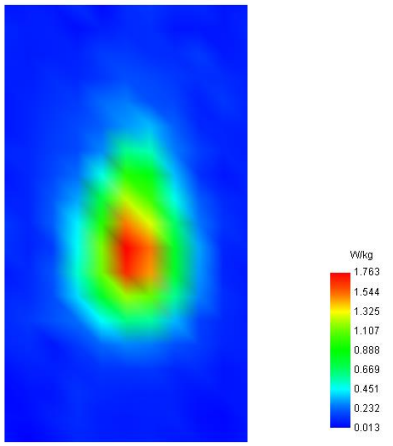
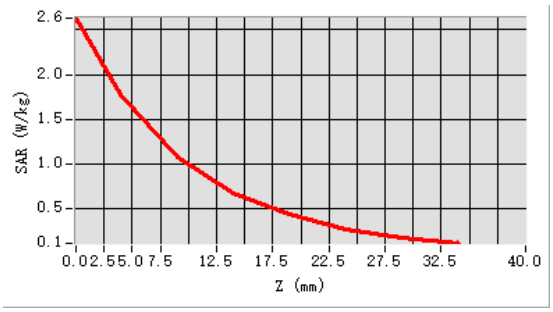
Maximum location: X=-55.00, Y=-64.00 ; SAR Peak: 0.34 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 6:

Test Date	2023-10-18
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	Band 1 (UMTS)
Signal	WCDMA
Frequency	1922.4
SAR 10g (W/Kg)	0.907
SAR 1g (W/Kg)	1.678

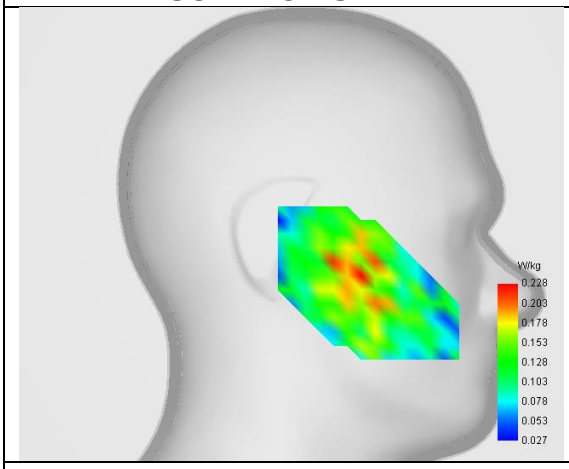
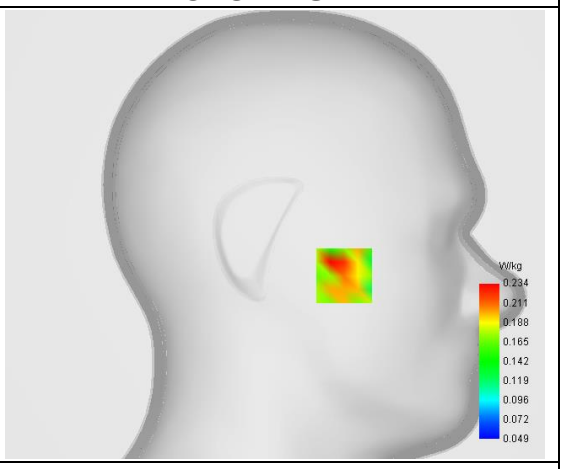
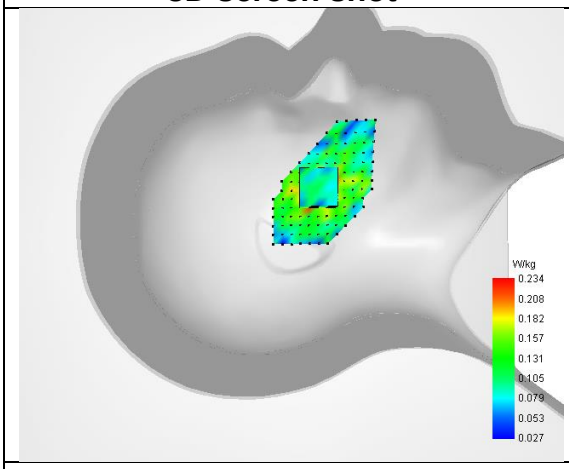
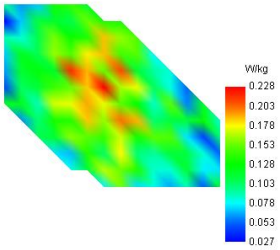
Maximum location: X=1.00, Y=-9.00 ; SAR Peak: 2.69 W/kg

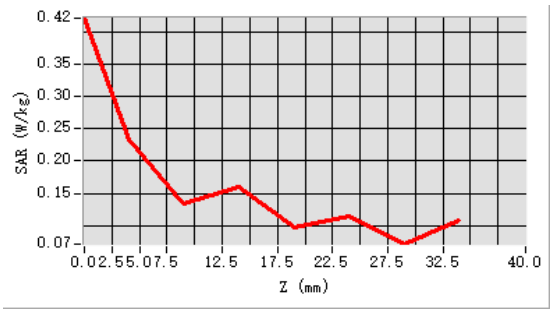
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 7:

Test Date	2023-10-01
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	Band 8 (900)
Signal	WCDMA
Frequency	897.4
SAR 10g (W/Kg)	0.154
SAR 1g (W/Kg)	0.214

Maximum location: X=-40.00, Y=-24.00 ; SAR Peak: 0.32 W/kg

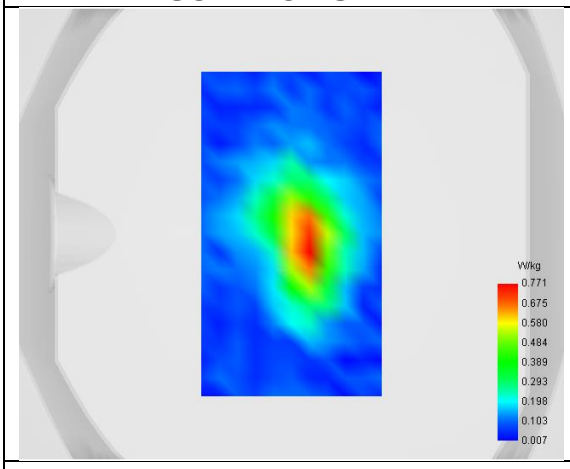
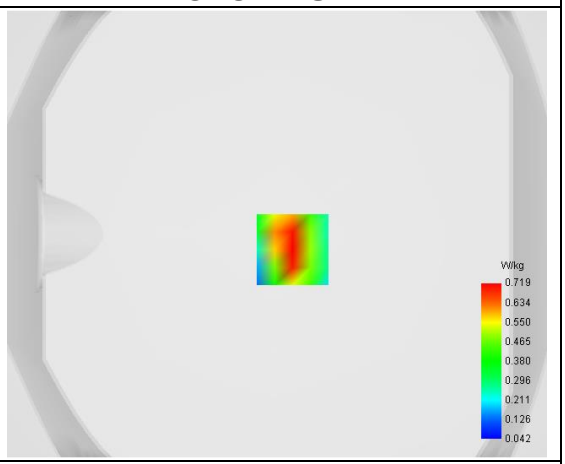
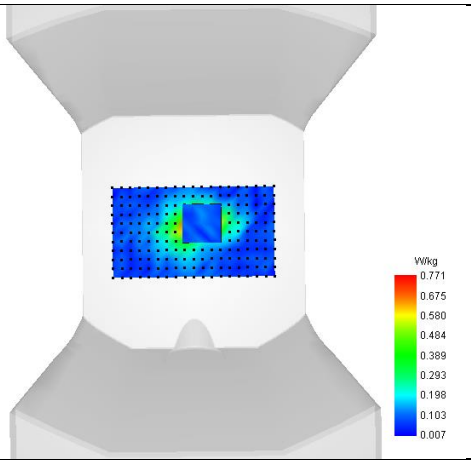
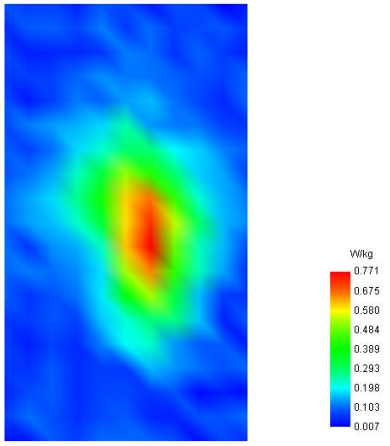
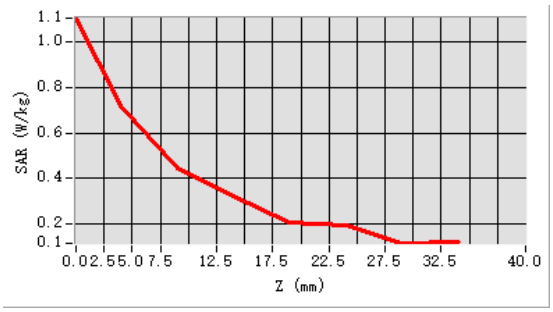
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	



Plot 8:

Test Date	2023-10-01
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	Band 8 (900)
Signal	WCDMA
Frequency	897.4
SAR 10g (W/Kg)	0.391
SAR 1g (W/Kg)	0.702

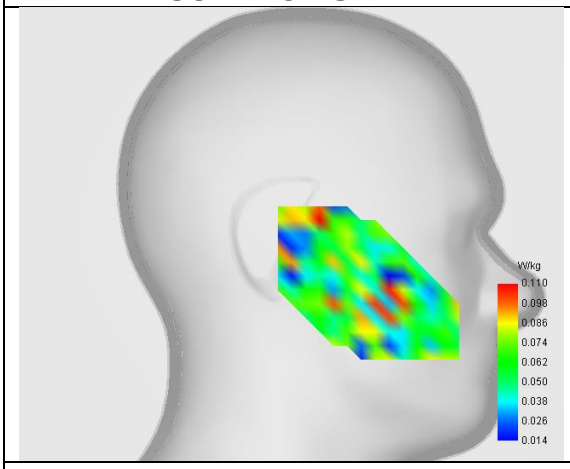
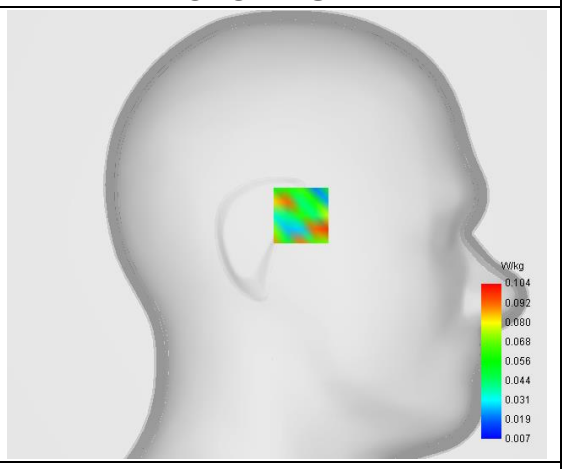
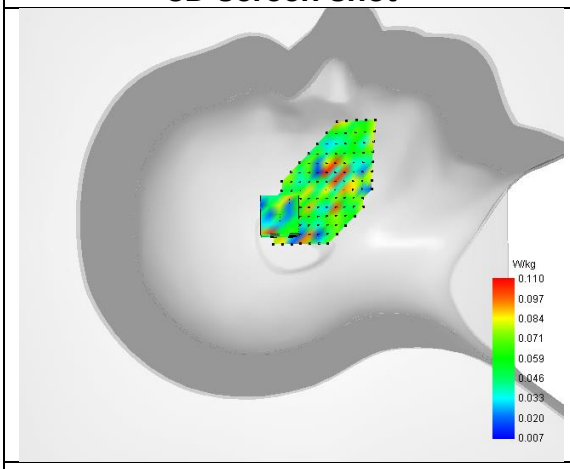
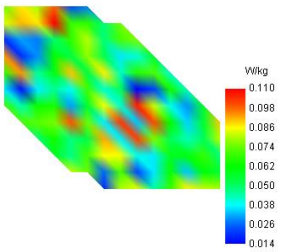
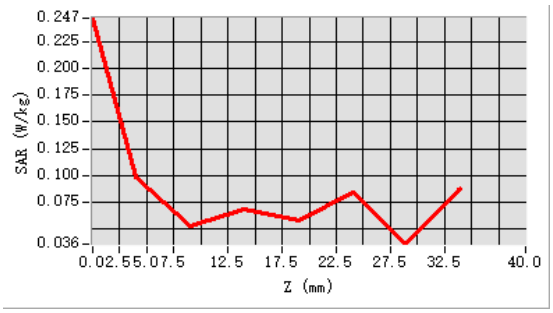
Maximum location: X=7.00, Y=-7.00 ; SAR Peak: 1.21 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 9:

Test Date	2023-10-18
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 1
Signal	LTE FDD
Frequency	1930
SAR 10g (W/Kg)	0.053
SAR 1g (W/Kg)	0.097

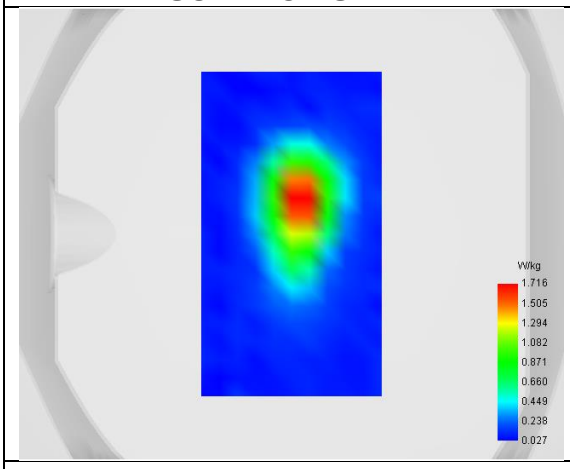
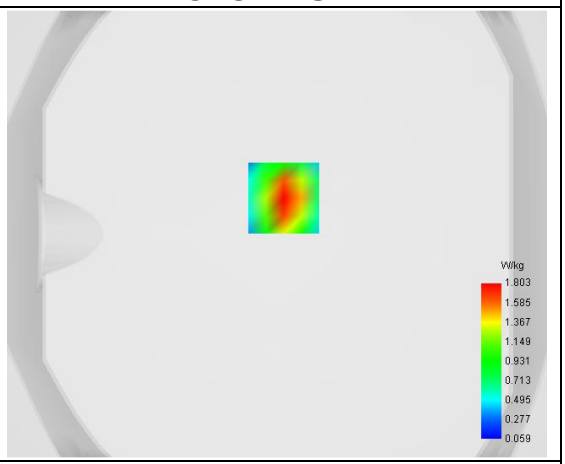
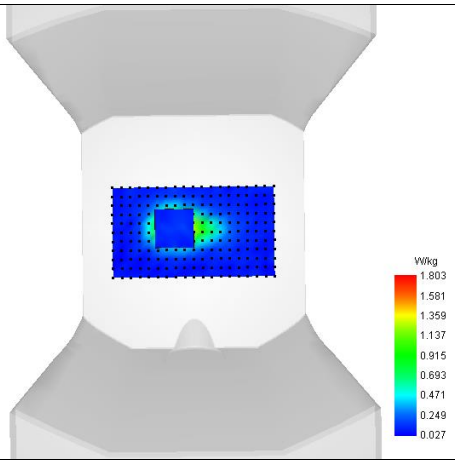
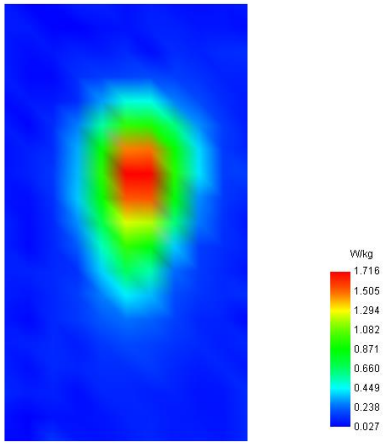
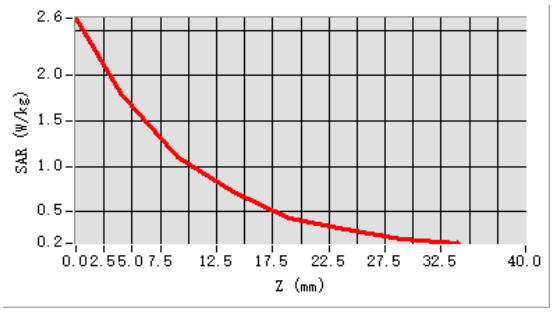
Maximum location: X=-14.00, Y=11.00 ; SAR Peak: 0.21 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 10:

Test Date	2023-10-18
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	LTE band 1
Signal	LTE FDD
Frequency	1930
SAR 10g (W/Kg)	0.900
SAR 1g (W/Kg)	1.689

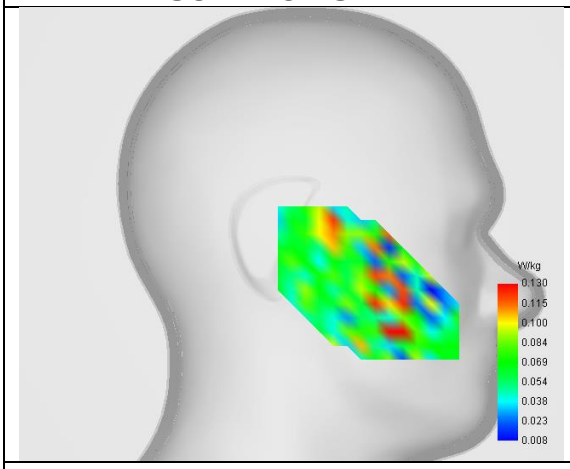
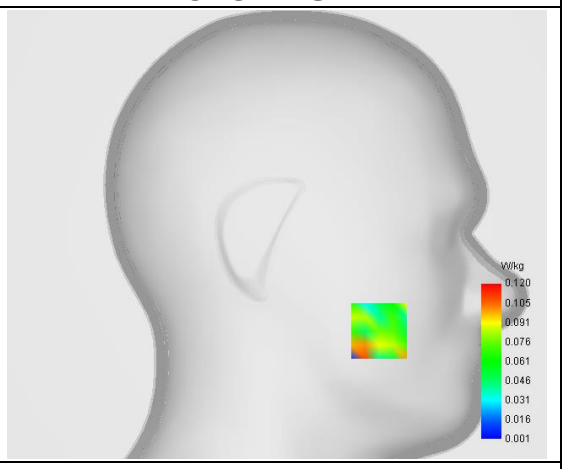
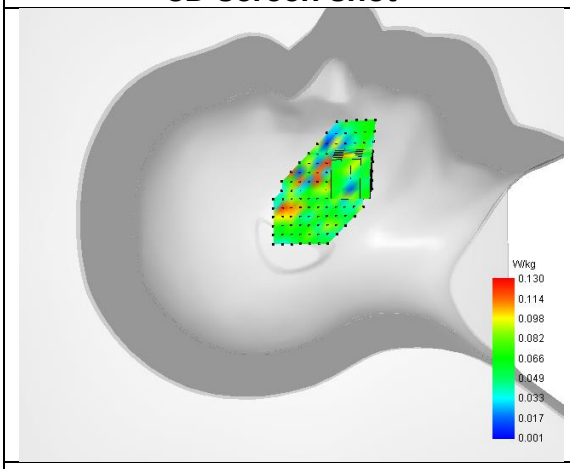
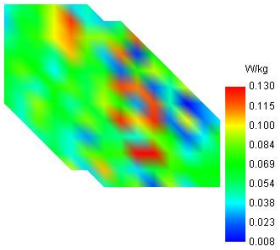
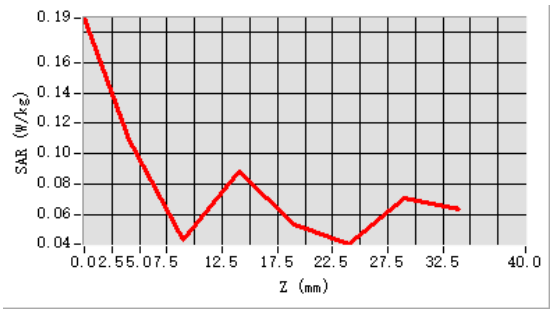
Maximum location: X=3.00, Y=16.00 ; SAR Peak: 2.82 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 11:

Test Date	2023-10-02
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 3
Signal	LTE FDD
Frequency	1747.5
SAR 10g (W/Kg)	0.061
SAR 1g (W/Kg)	0.110

Maximum location: X=-59.00, Y=-56.00 ; SAR Peak: 0.24 W/kg

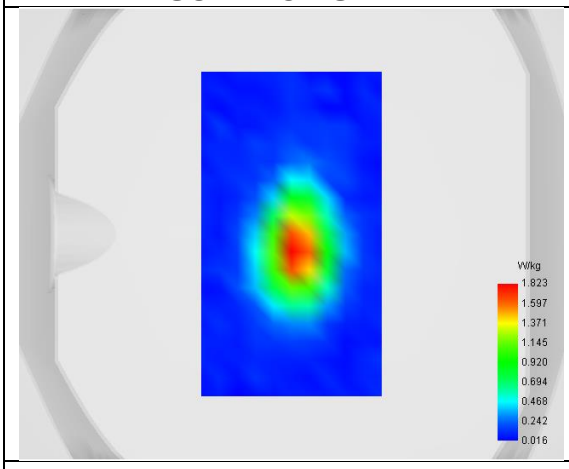
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 12:

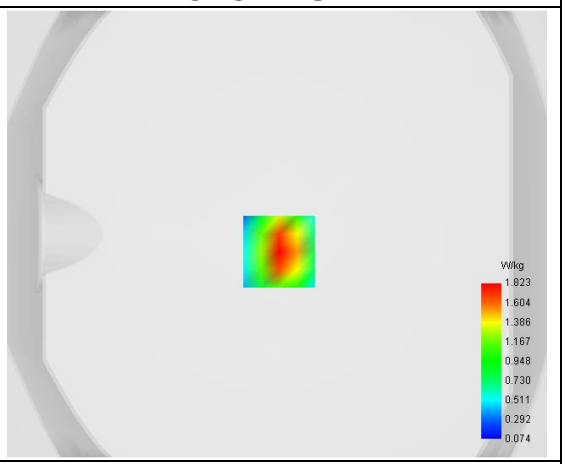
Test Date	2023-10-02
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	LTE band 3
Signal	LTE FDD
Frequency	1747.5
SAR 10g (W/Kg)	0.946
SAR 1g (W/Kg)	1.708

Maximum location: X=1.00, Y=-8.00 ; SAR Peak: 2.70 W/kg

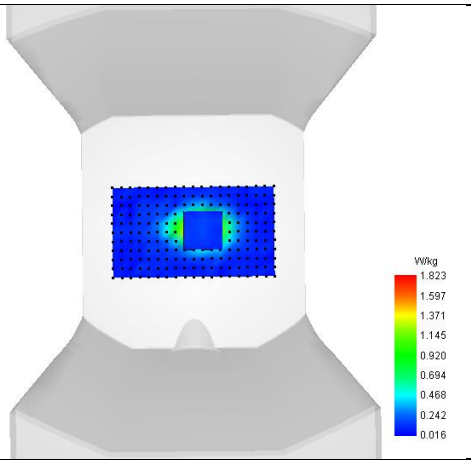
SURFACE SAR



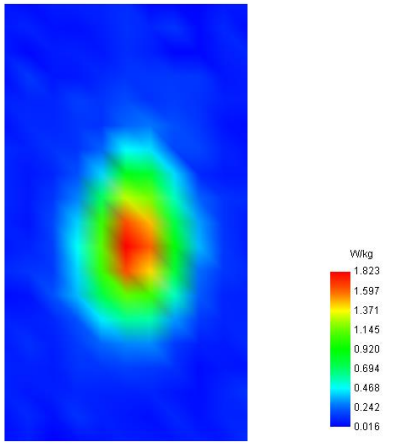
VOLUME SAR

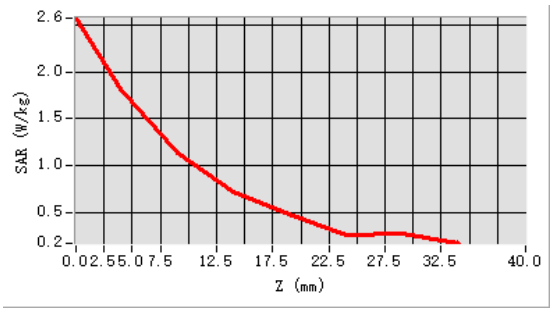


3D screen shot



Hot spot position

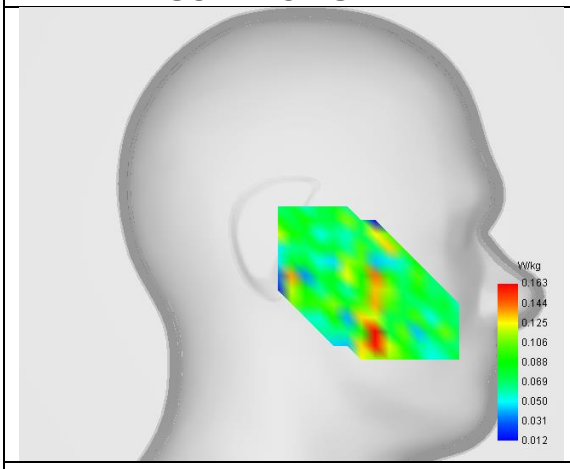
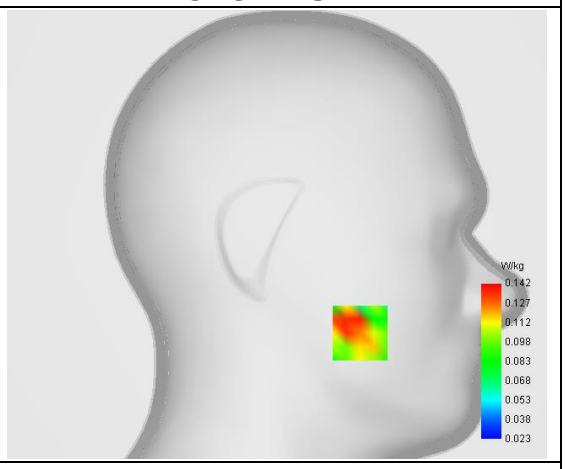
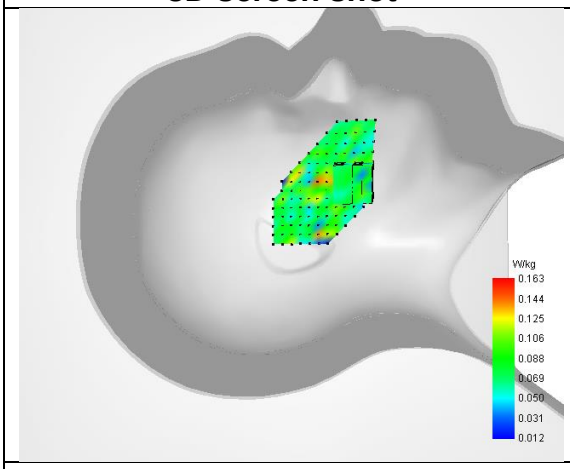
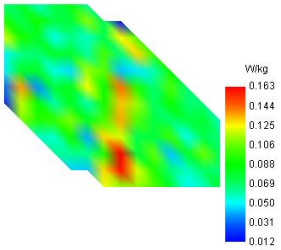
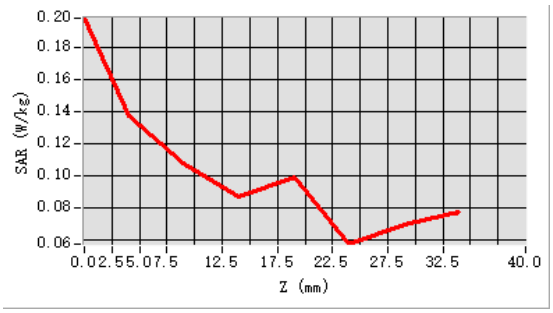




Plot 13:

Test Date	2023-10-25
Area Scan	sam_direct_droit2_surf8mm.txt
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)	0.087
SAR 1g (W/Kg)	0.158

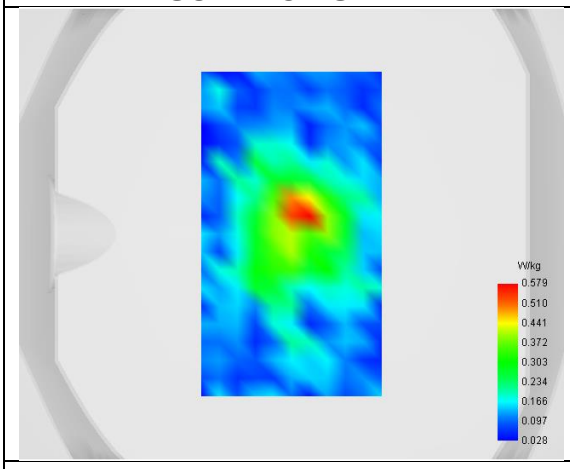
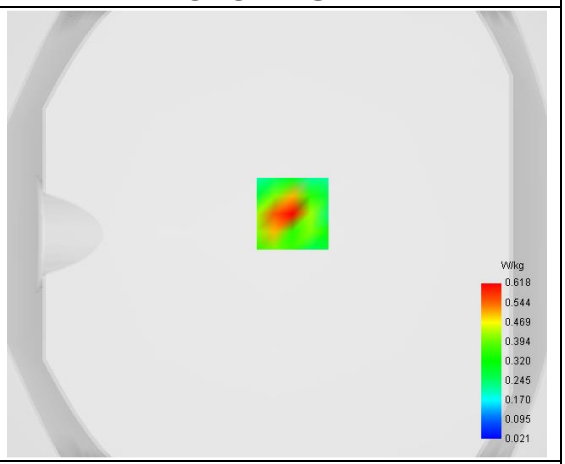
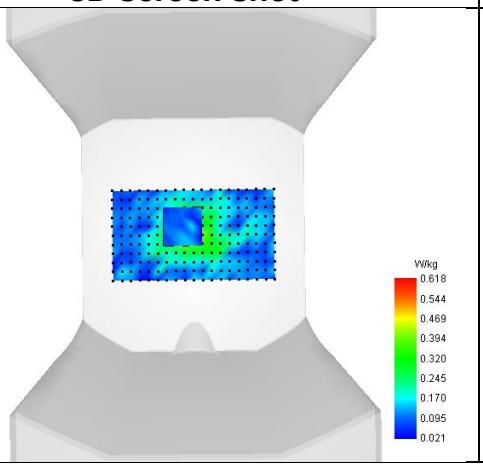
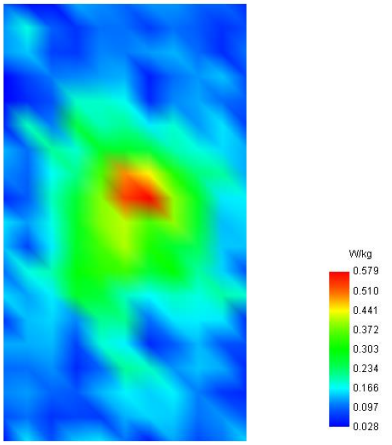
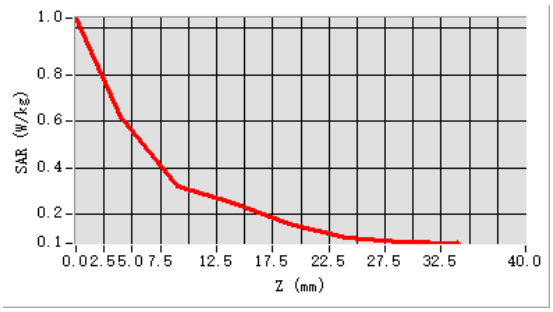
Maximum location: X=-48.00, Y=-57.00 ; SAR Peak: 0.33 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 14:

Test Date	2023-10-25
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	LTE band 7
Signal	LTE FDD
Frequency	2510
SAR 10g (W/Kg)	0.301
SAR 1g (W/Kg)	0.590

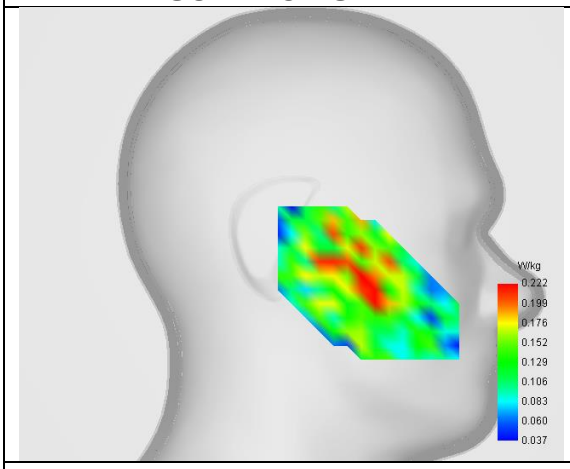
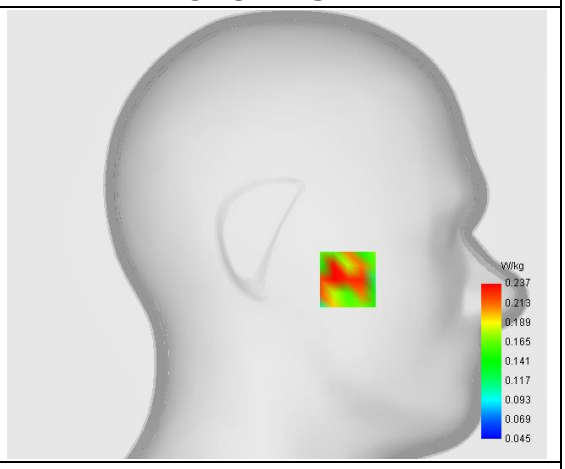
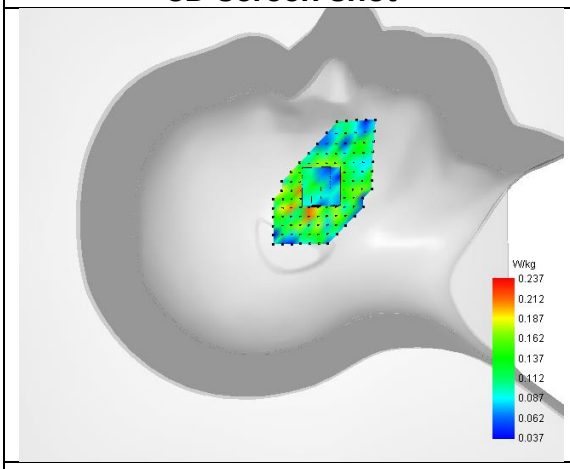
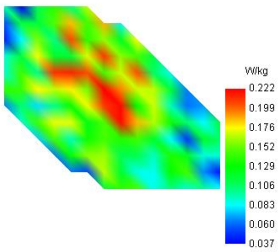
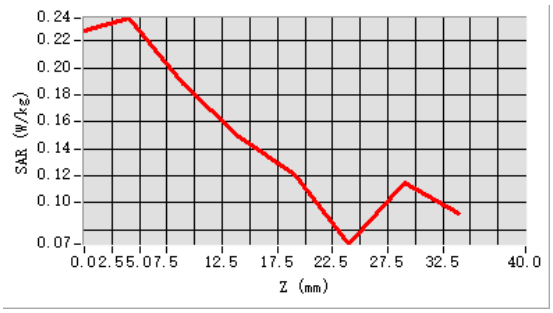
Maximum location: X=7.00, Y=9.00 ; SAR Peak: 1.09 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 15:

Test Date	2023-09-29
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 8
Signal	LTE FDD
Frequency	885
SAR 10g (W/Kg)	0.154
SAR 1g (W/Kg)	0.207

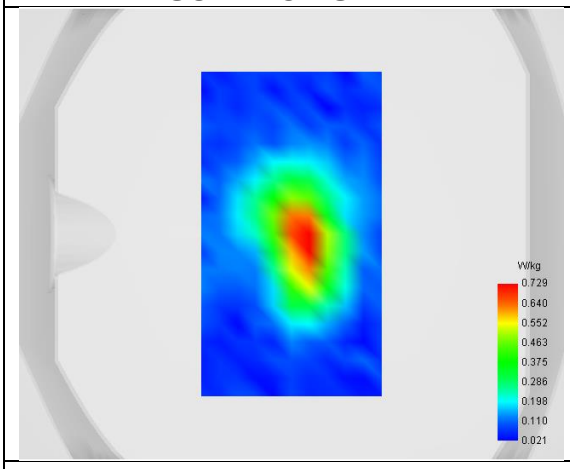
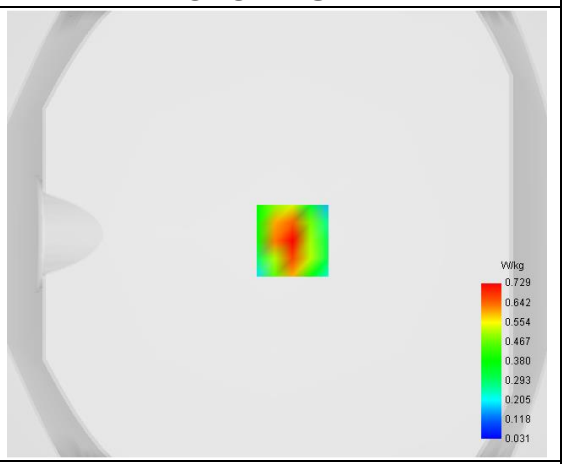
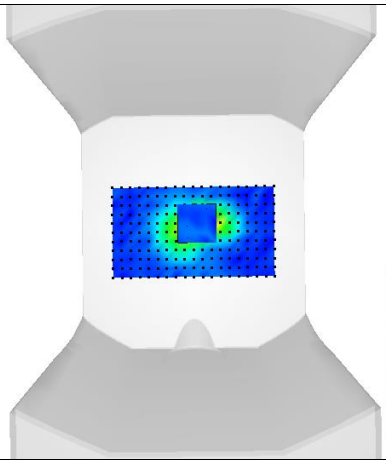
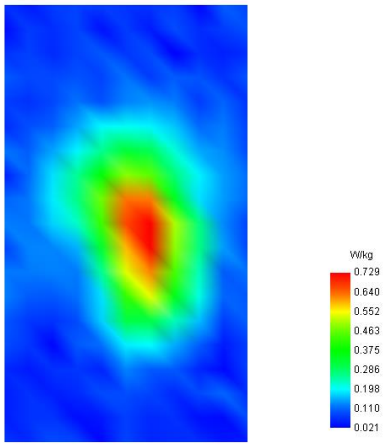
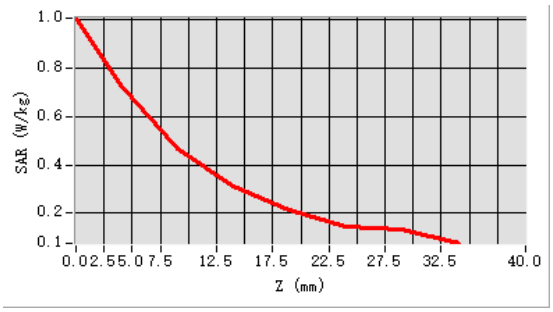
Maximum location: X=-41.00, Y=-26.00 ; SAR Peak: 0.38 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 16:

Test Date	2023-09-29
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	LTE band 8
Signal	LTE FDD
Frequency	885
SAR 10g (W/Kg)	0.401
SAR 1g (W/Kg)	0.681

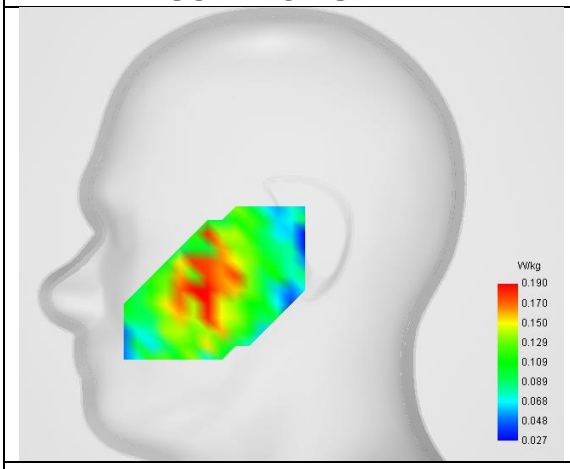
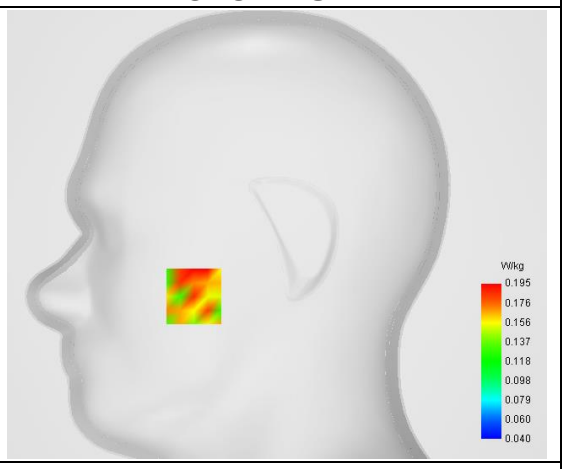
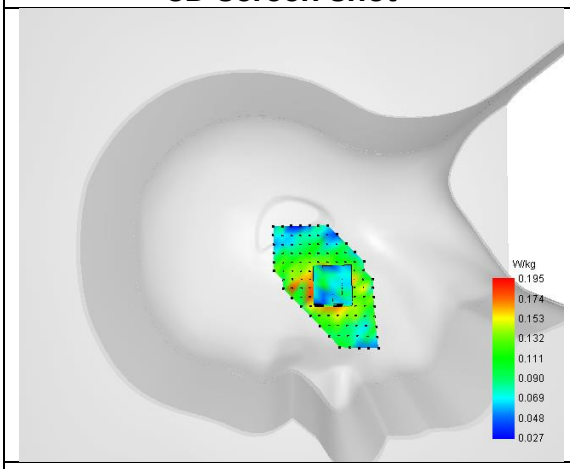
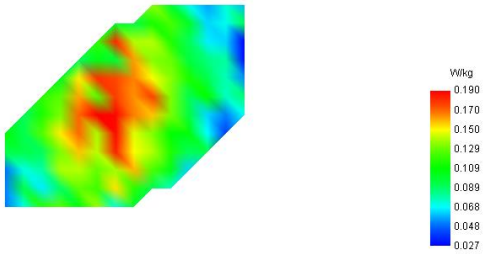
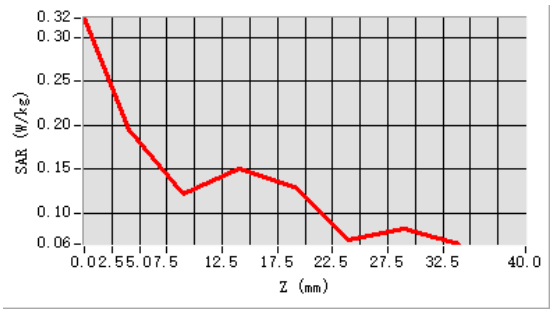
Maximum location: X=7.00, Y=-3.00 ; SAR Peak: 1.06 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 17:

Test Date	2023-09-29
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 20
Signal	LTE FDD
Frequency	842
SAR 10g (W/Kg)	0.132
SAR 1g (W/Kg)	0.187

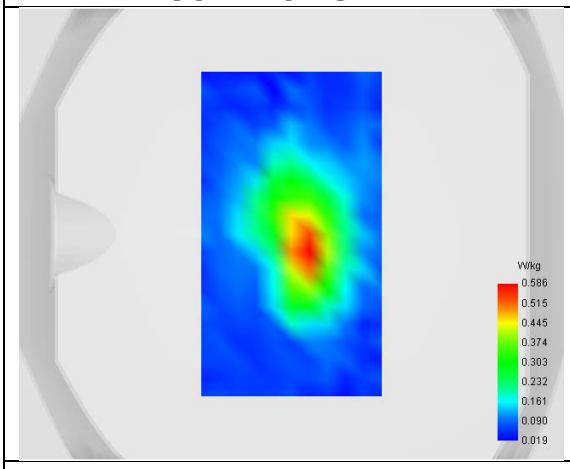
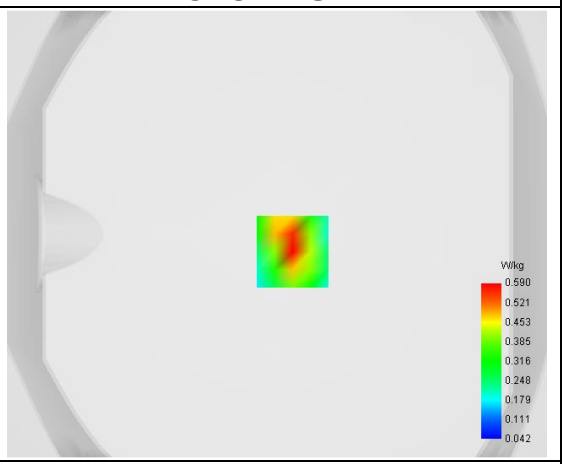
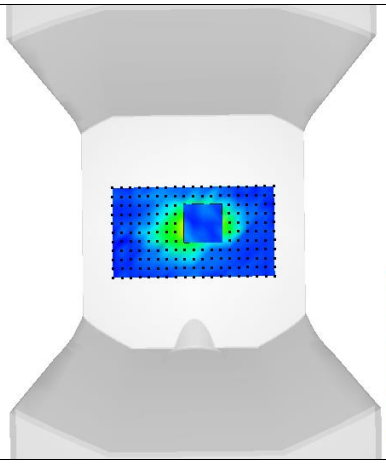
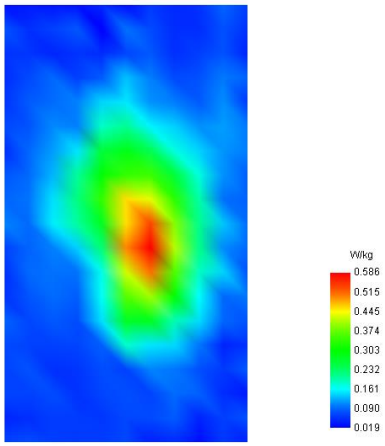
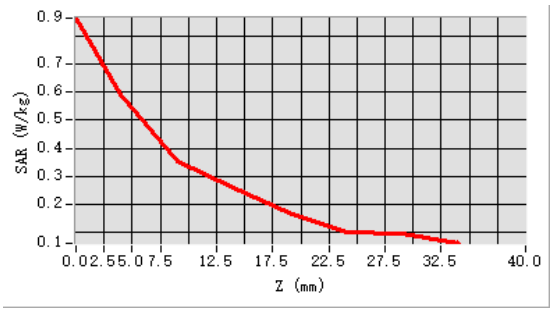
Maximum location: X=-48.00, Y=-36.00 ; SAR Peak: 0.34 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 18:

Test Date	2023-09-29
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	LTE band 20
Signal	LTE FDD
Frequency	842
SAR 10g (W/Kg)	0.317
SAR 1g (W/Kg)	0.547

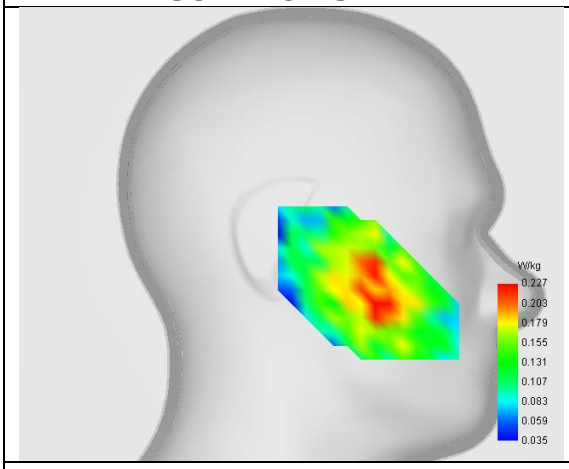
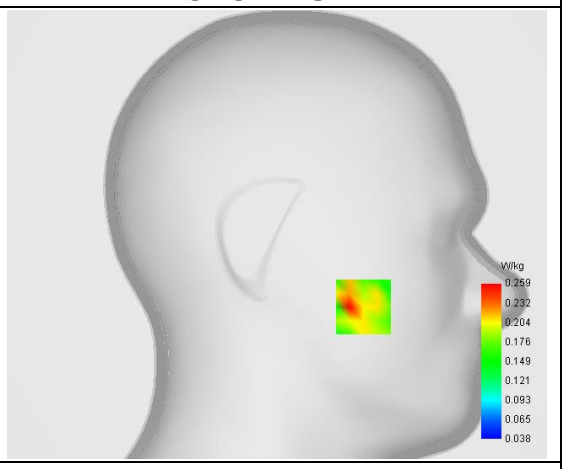
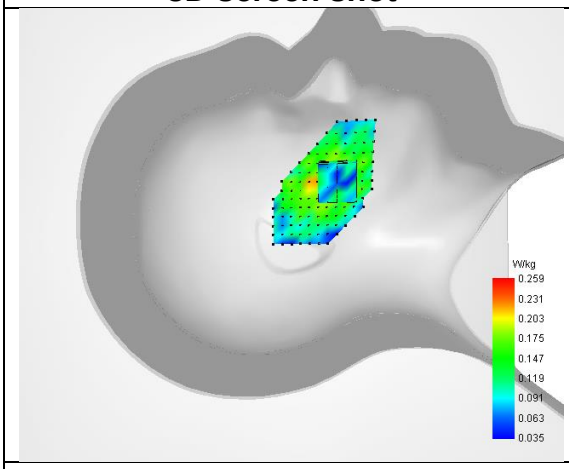
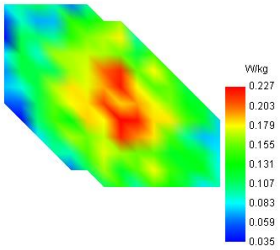
Maximum location: X=7.00, Y=-8.00 ; SAR Peak: 0.87 W/kg

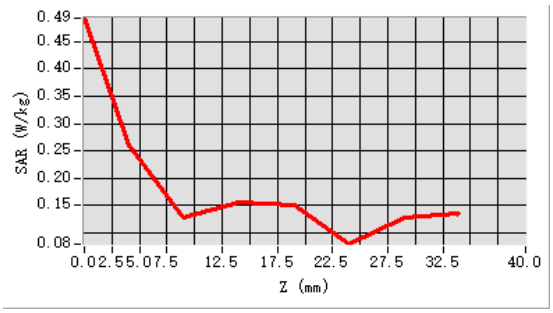
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 19:

Test Date	2023-10-16
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 28
Signal	LTE FDD
Frequency	713
SAR 10g (W/Kg)	0.153
SAR 1g (W/Kg)	0.250

Maximum location: X=-50.00, Y=-42.00 ; SAR Peak: 0.44 W/kg

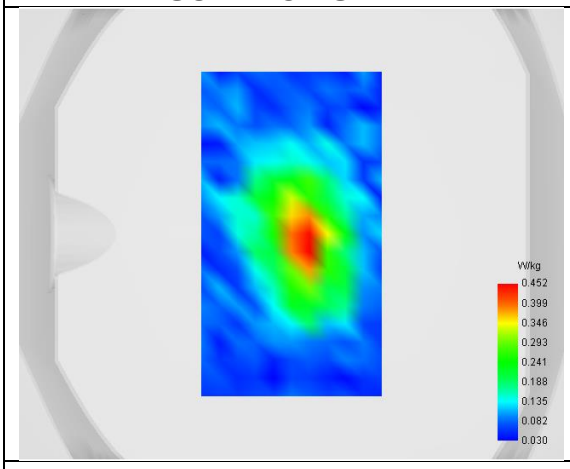
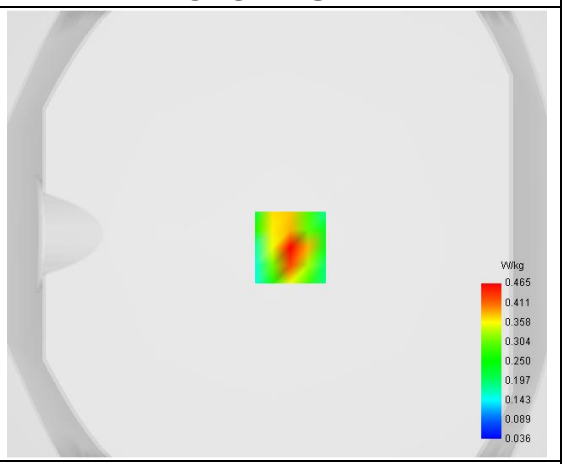
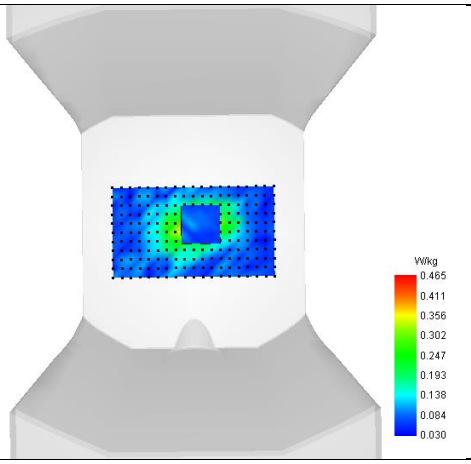
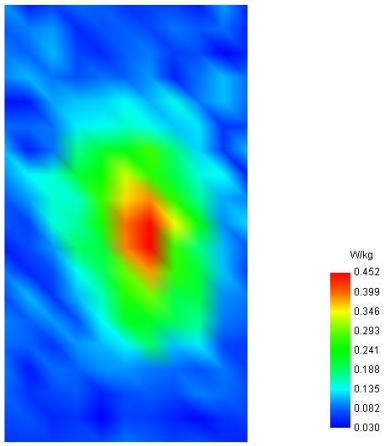
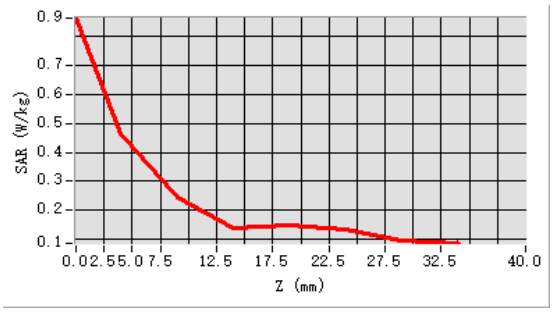
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	



Plot 20:

Test Date	2023-10-16
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	LTE band 28
Signal	LTE FDD
Frequency	713
SAR 10g (W/Kg)	0.255
SAR 1g (W/Kg)	0.483

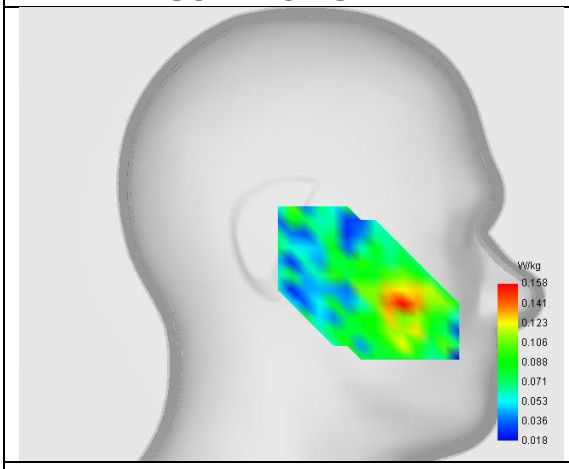
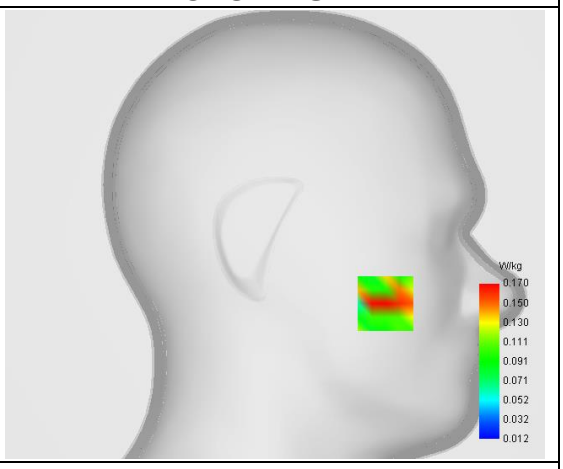
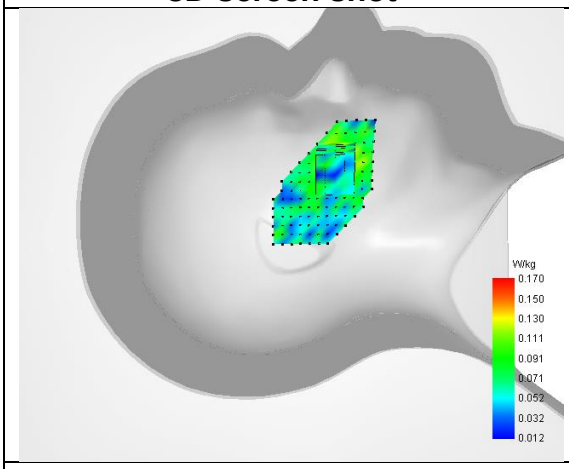
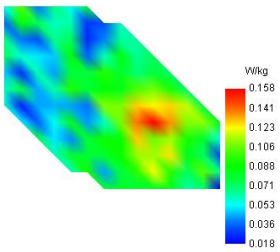
Maximum location: X=6.00, Y=-6.00 ; SAR Peak: 0.87 W/kg

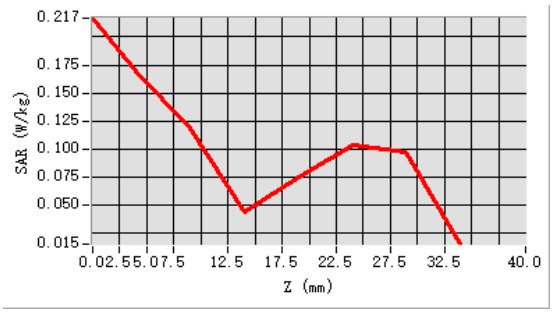
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 21:

Test Date	2023-11-04
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 34
Signal	LTE TDD
Frequency	2017.5
SAR 10g (W/Kg)	0.090
SAR 1g (W/Kg)	0.155

Maximum location: X=-64.00, Y=-40.00 ; SAR Peak: 0.33 W/kg

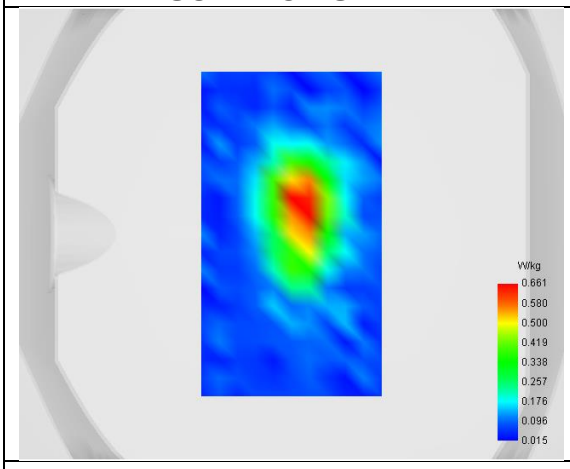
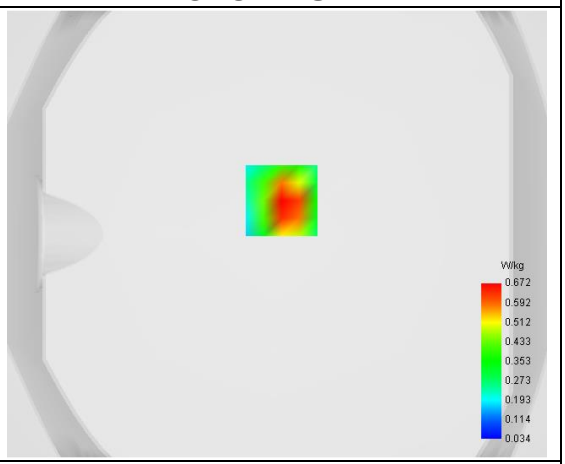
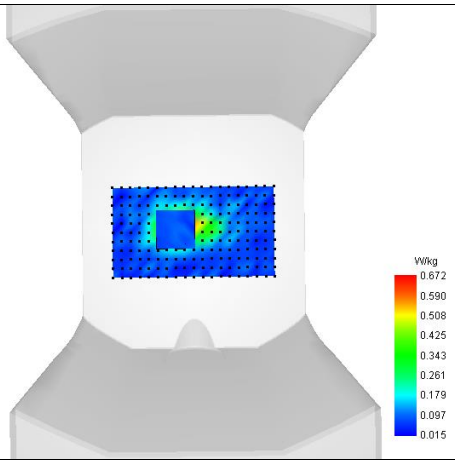
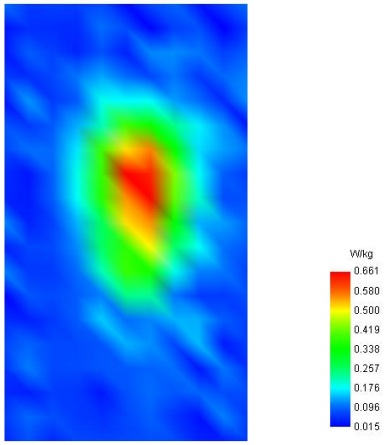
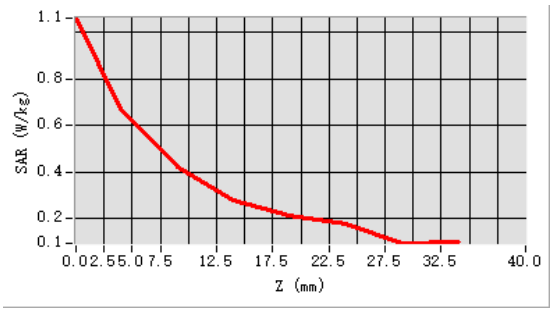
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	



Plot 22:

Test Date	2023-11-04
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	LTE band 34
Signal	LTE TDD
Frequency	2017.5
SAR 10g (W/Kg)	0.368
SAR 1g (W/Kg)	0.658

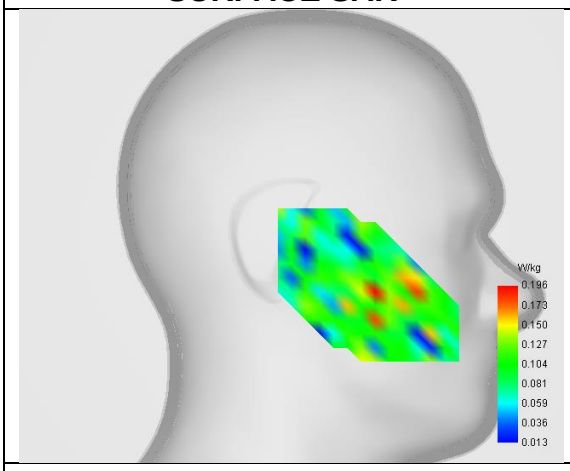
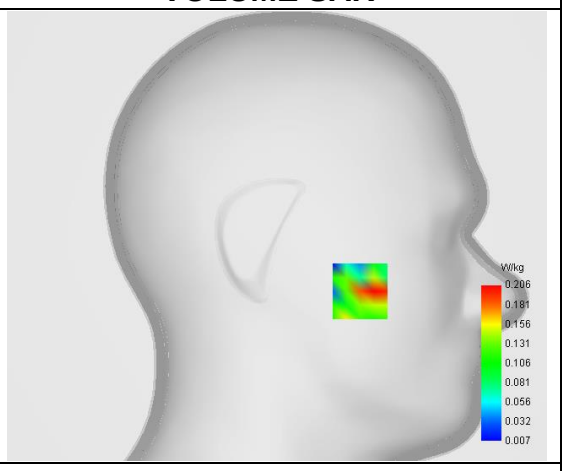
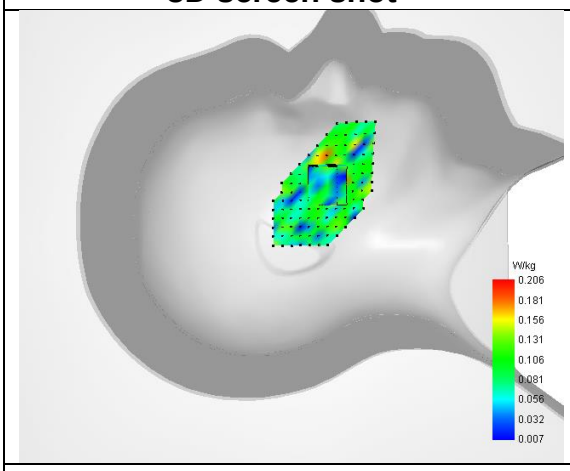
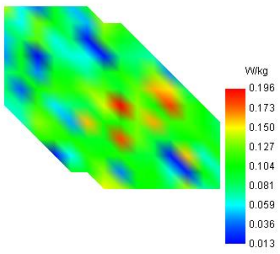
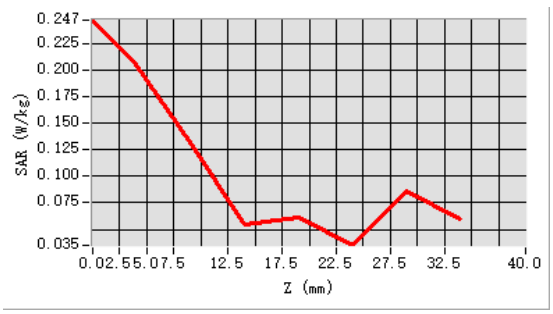
Maximum location: X=2.00, Y=15.00 ; SAR Peak: 1.06 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 23:

Test Date	2023-10-25
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 38
Signal	LTE TDD
Frequency	2580
SAR 10g (W/Kg)	0.094
SAR 1g (W/Kg)	0.206

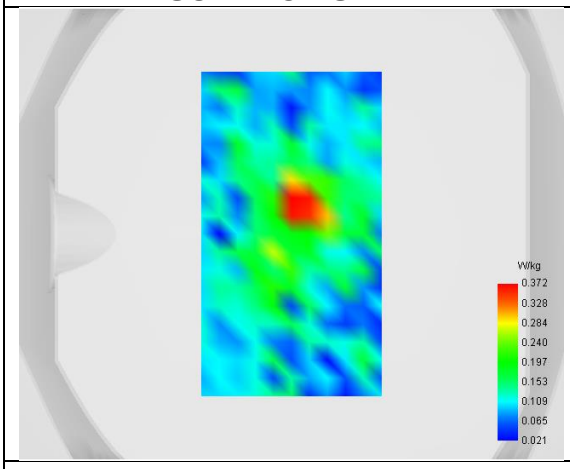
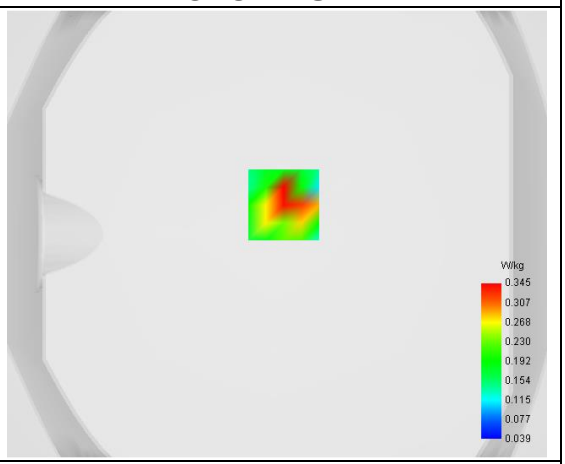
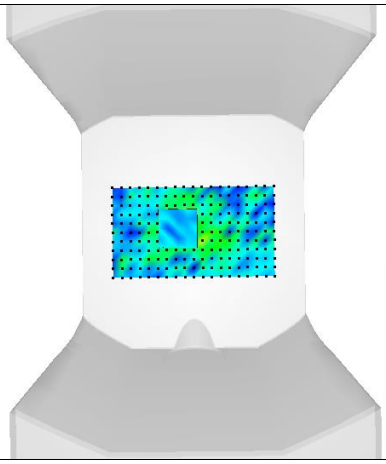
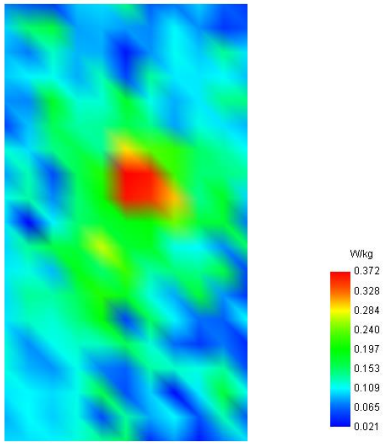
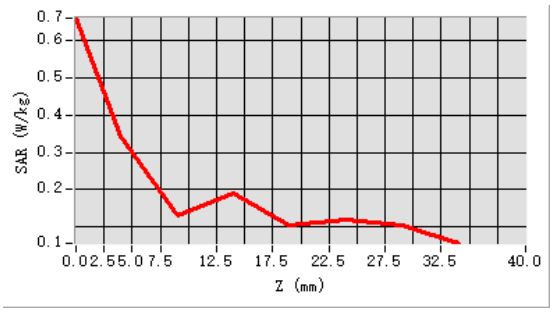
Maximum location: X=-48.00, Y=-32.00 ; SAR Peak: 0.46 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 24:

Test Date	2023-10-25
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	LTE band 38
Signal	LTE TDD
Frequency	2580
SAR 10g (W/Kg)	0.180
SAR 1g (W/Kg)	0.322

Maximum location: X=3.00, Y=13.00 ; SAR Peak: 0.61 W/kg

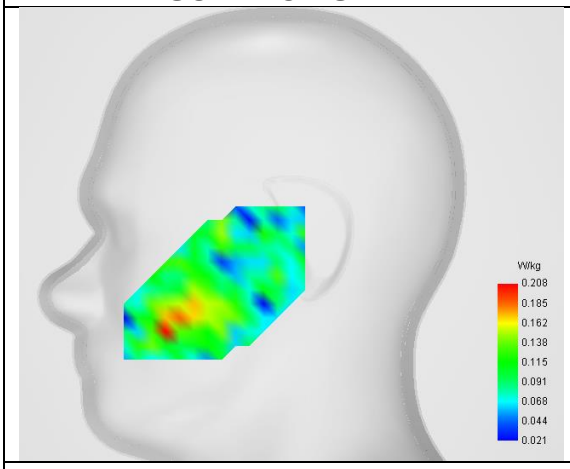
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 25:

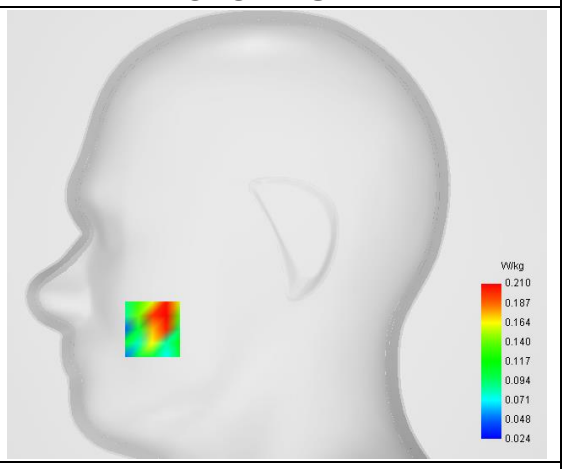
Test Date	2023-10-23
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 40
Signal	LTE TDD
Frequency	2350
SAR 10g (W/Kg)	0.124
SAR 1g (W/Kg)	0.218

Maximum location: X=-72.00, Y=-55.00 ; SAR Peak: 0.38 W/kg

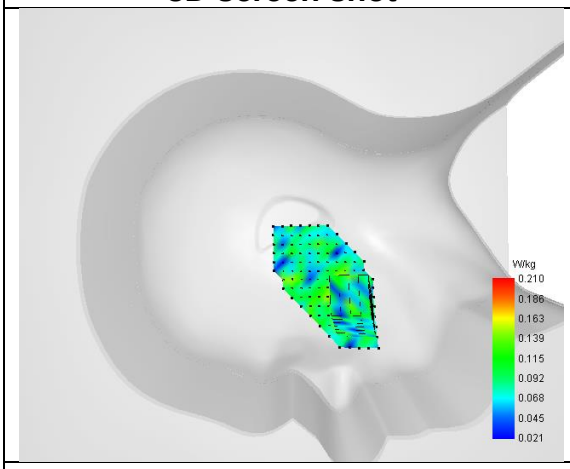
SURFACE SAR



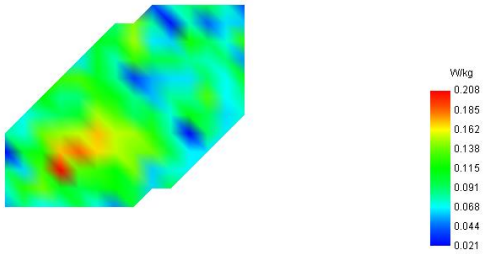
VOLUME SAR

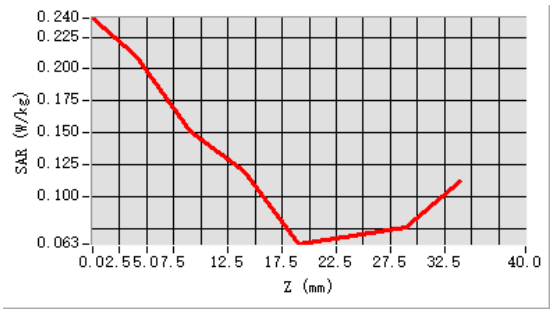


3D screen shot



Hot spot position



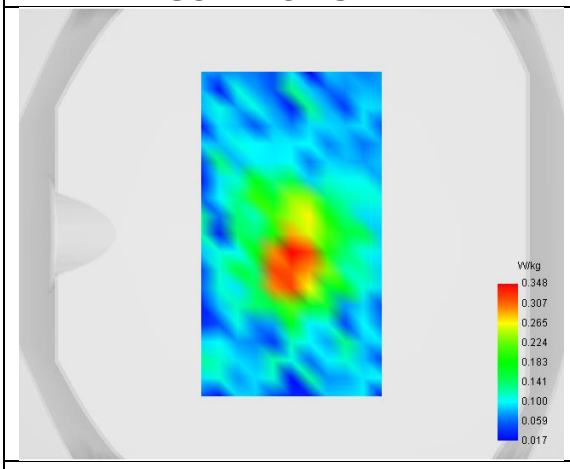


Plot 26:

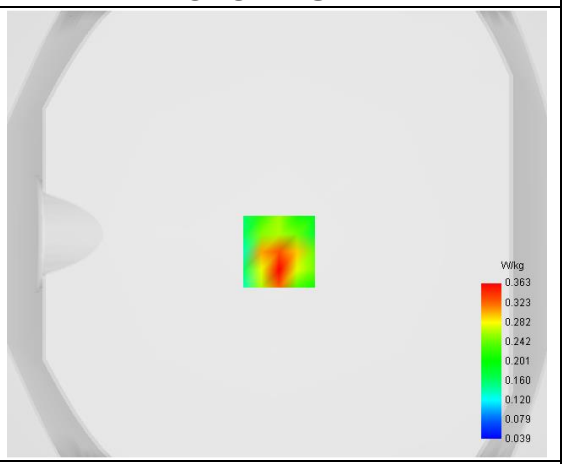
Test Date	2023-10-23
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	LTE band 40
Signal	LTE TDD
Frequency	2350
SAR 10g (W/Kg)	0.175
SAR 1g (W/Kg)	0.332

Maximum location: X=1.00, Y=-8.00 ; SAR Peak: 0.56 W/kg

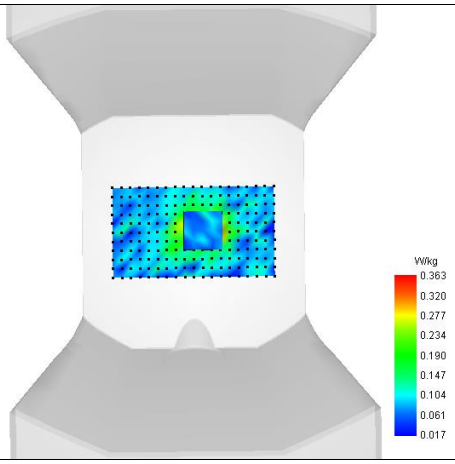
SURFACE SAR



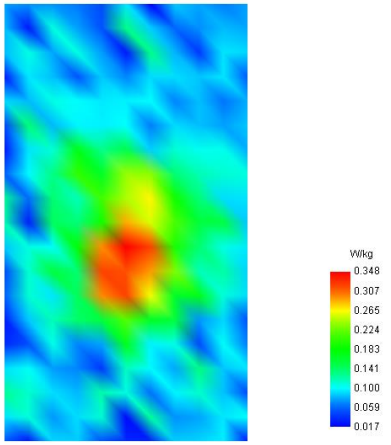
VOLUME SAR

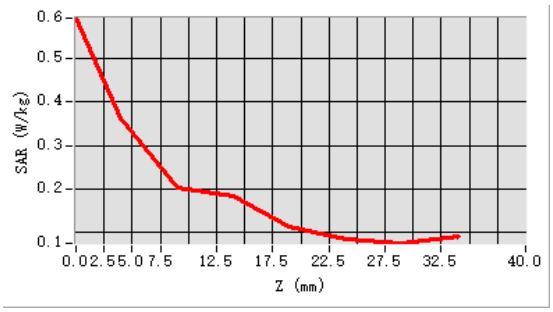


3D screen shot



Hot spot position

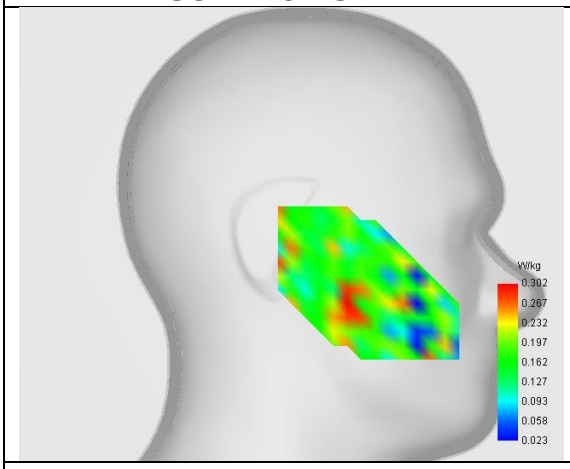
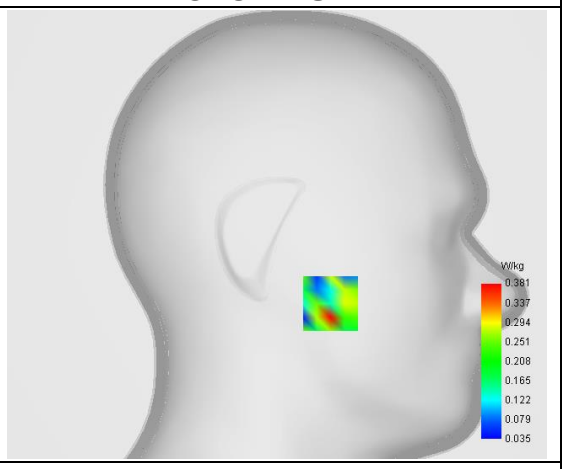
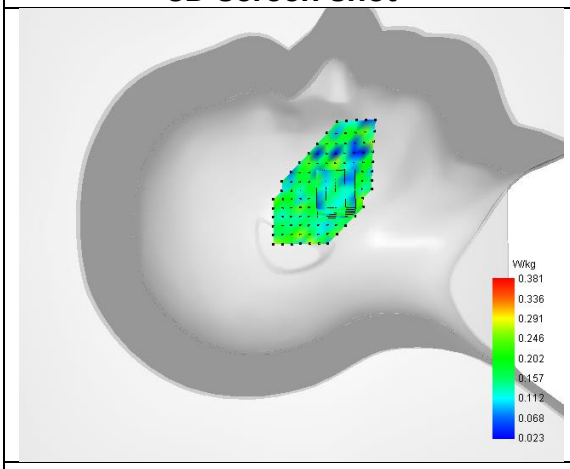
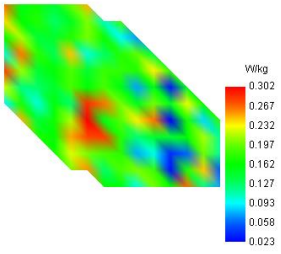
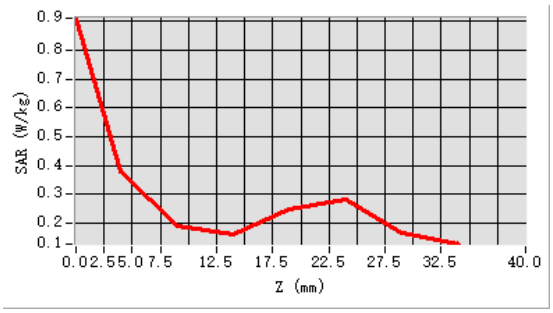




Plot 27:

Test Date	2023-10-23
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 42
Signal	LTE TDD
Frequency	2310
SAR 10g (W/Kg)	0.180
SAR 1g (W/Kg)	0.349

Maximum location: X=-31.00, Y=-40.00 ; SAR Peak: 0.85 W/kg

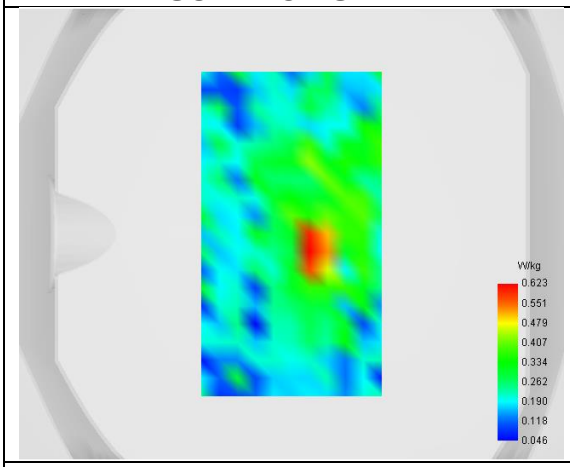
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 28:

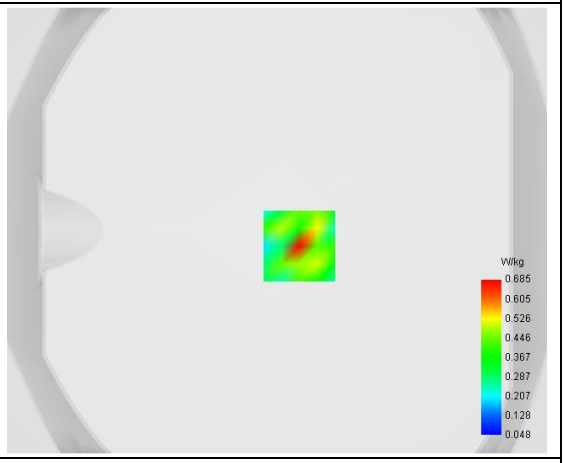
Test Date	2023-10-23
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Edge
Band	LTE band 42
Signal	LTE TDD
Frequency	2310
SAR 10g (W/Kg)	0.307
SAR 1g (W/Kg)	0.601

Maximum location: X=10.00, Y=-7.00 ; SAR Peak: 1.20 W/kg

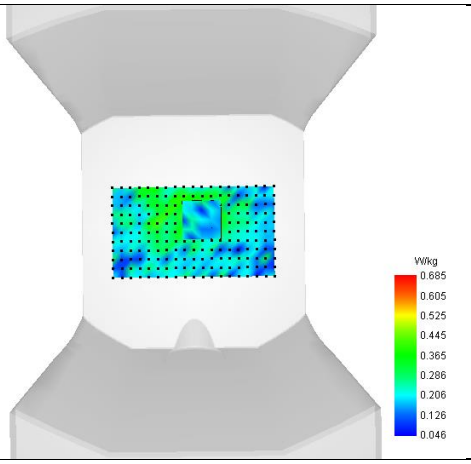
SURFACE SAR



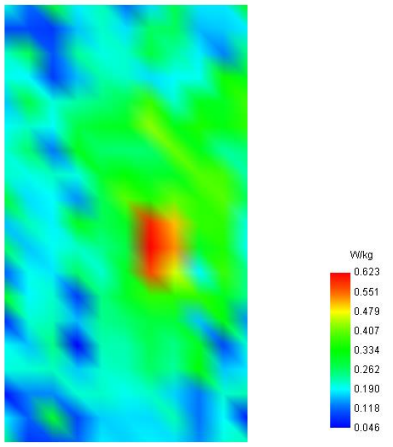
VOLUME SAR

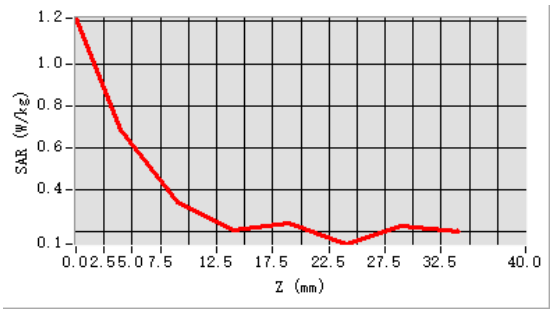


3D screen shot



Hot spot position

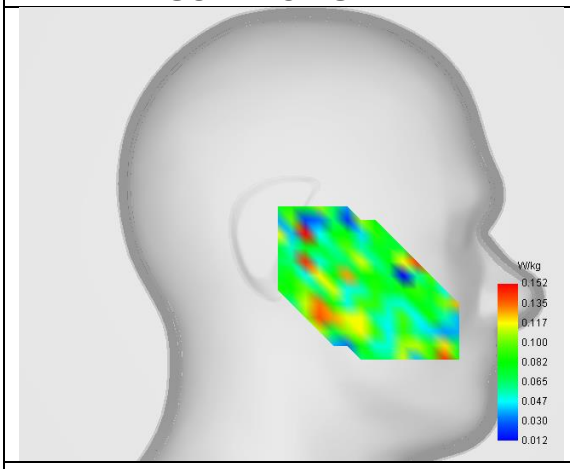
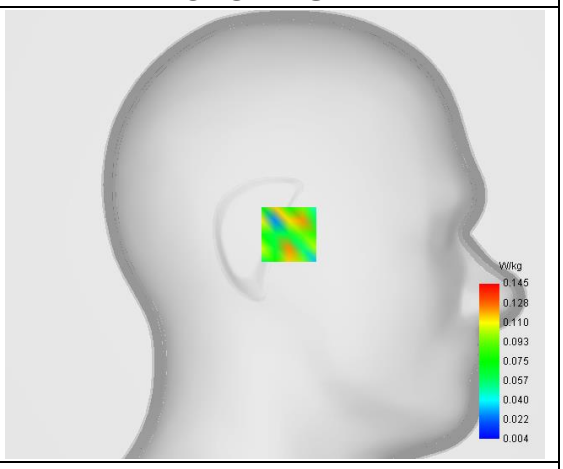
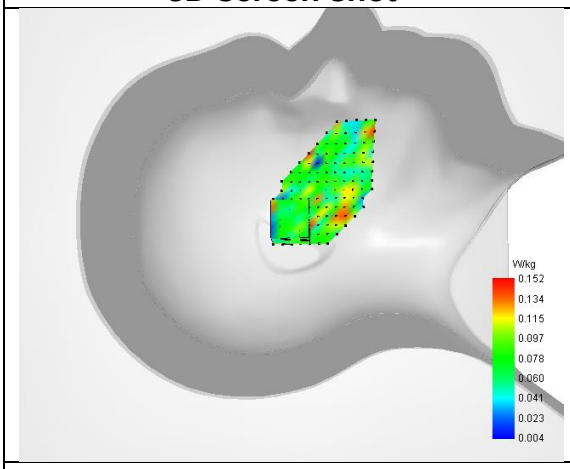
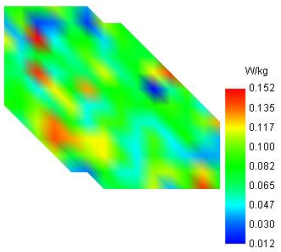
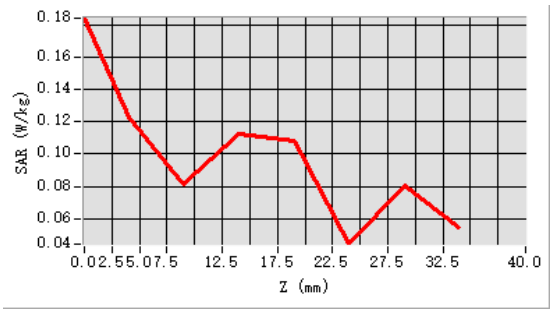




Plot 29:

Test Date	2023-10-24
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Tilt
Band	ISM ANT 1
Signal	IEEE 802.11 n
Frequency	2412
SAR 10g (W/Kg)	0.067
SAR 1g (W/Kg)	0.123

Maximum location: X=-8.00, Y=0.00 ; SAR Peak: 0.35 W/kg

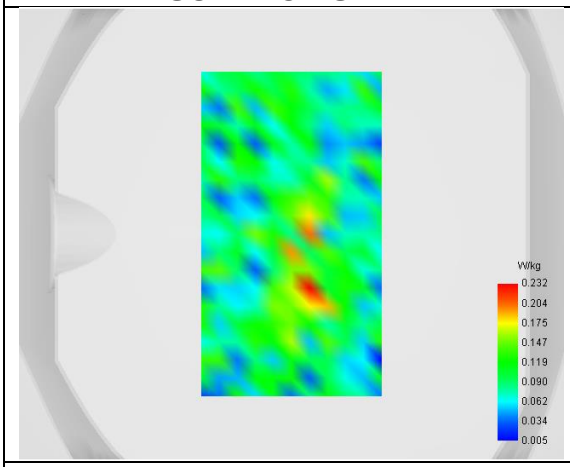
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 30:

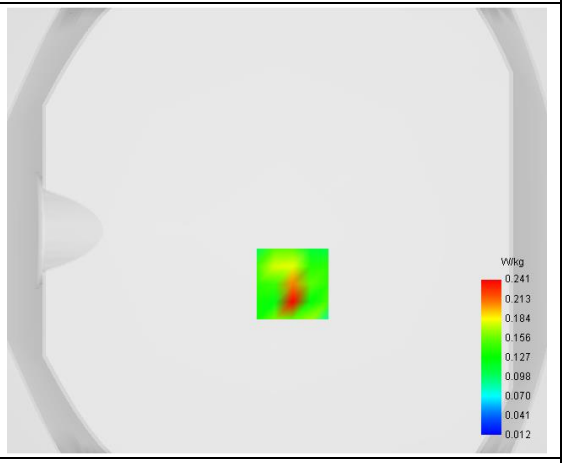
Test Date	2023-10-24
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Left Edge
Band	ISM ANT 1
Signal	IEEE 802.11 n
Frequency	2412
SAR 10g (W/Kg)	0.129
SAR 1g (W/Kg)	0.222

Maximum location: X=7.00, Y=-24.00 ; SAR Peak: 0.44 W/kg

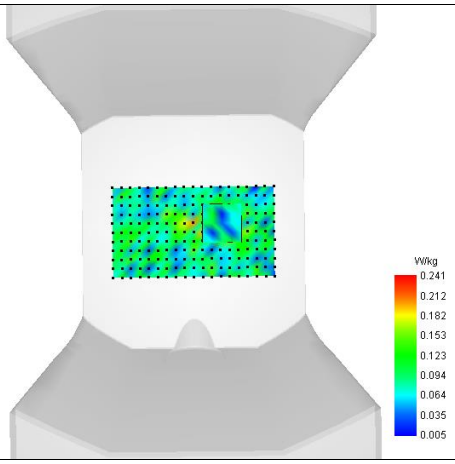
SURFACE SAR



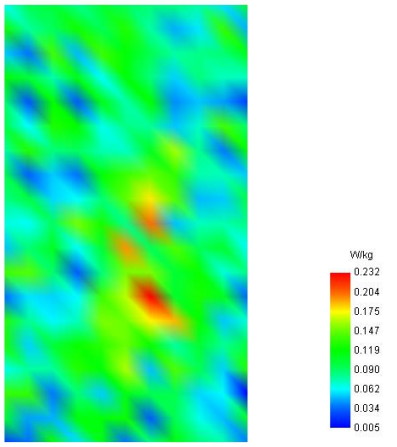
VOLUME SAR

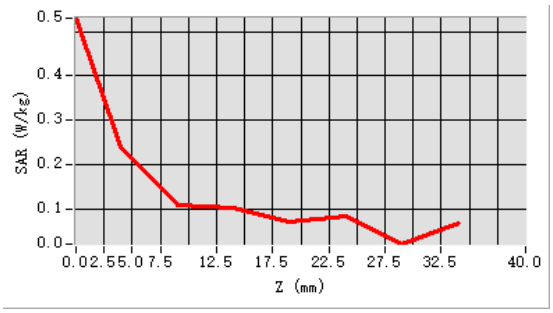


3D screen shot



Hot spot position

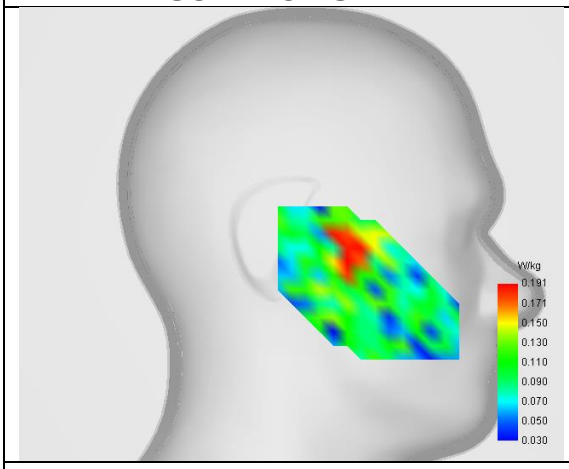
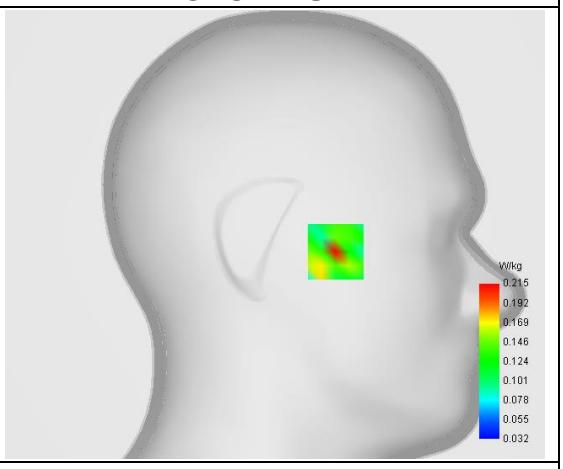
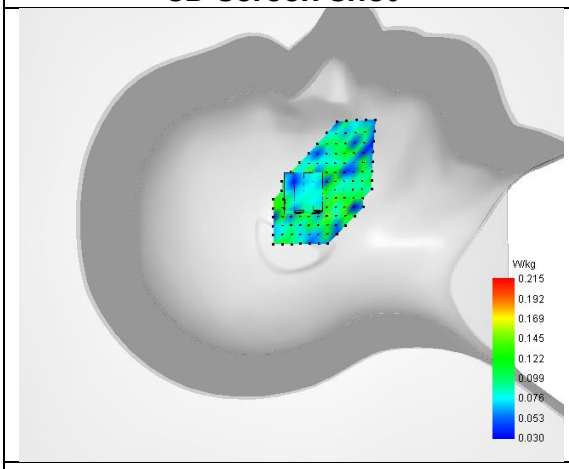
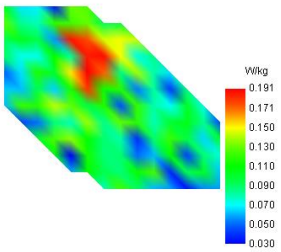


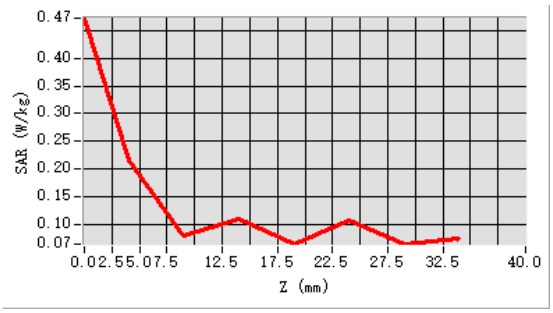


Plot 31:

Test Date	2023-10-24
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Tilt
Band	ISM ANT 2
Signal	IEEE 802.11 b
Frequency	2412
SAR 10g (W/Kg)	0.104
SAR 1g (W/Kg)	0.186

Maximum location: X=-35.00, Y=-10.00 ; SAR Peak: 0.45 W/kg

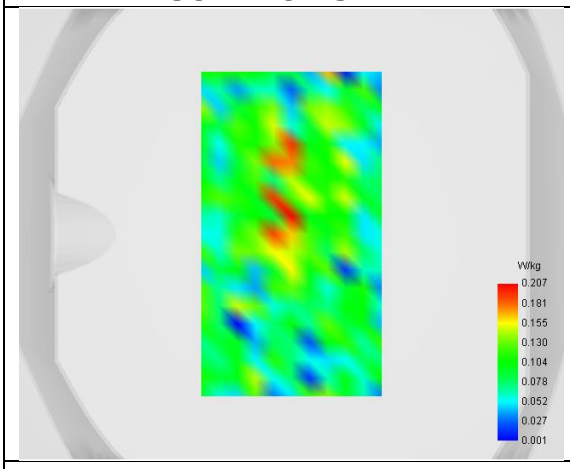
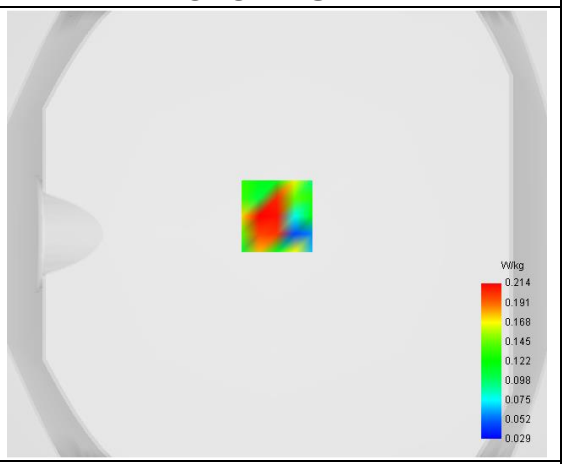
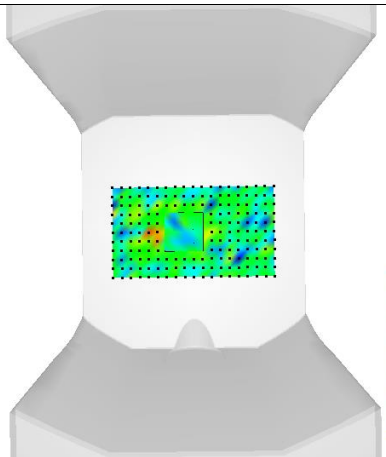
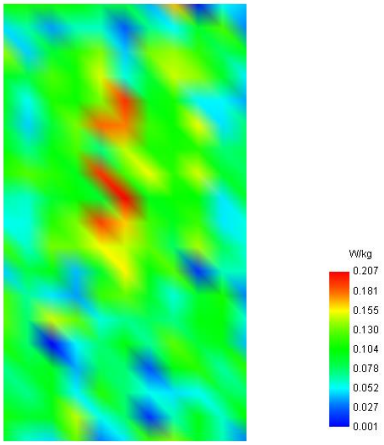
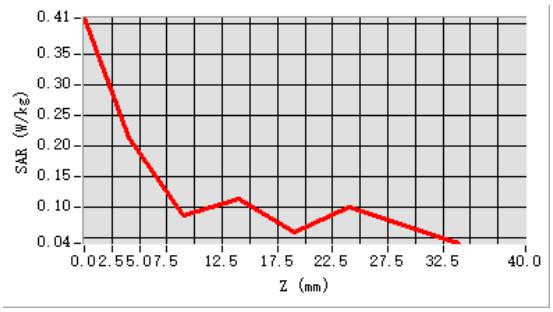
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	



Plot 32:

Test Date	2023-10-24
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Top Edge
Band	ISM ANT 2
Signal	IEEE 802.11 b
Frequency	2412
SAR 10g (W/Kg)	0.111
SAR 1g (W/Kg)	0.204

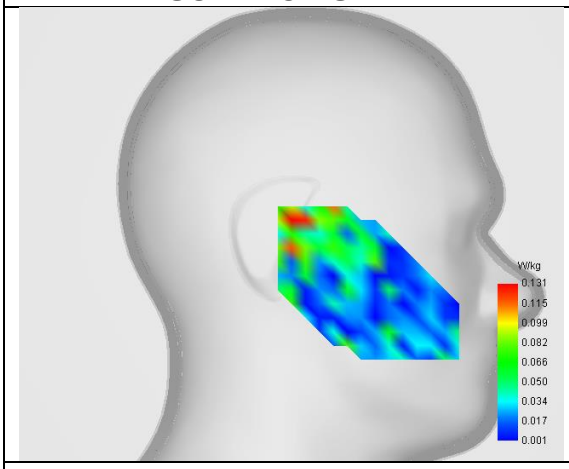
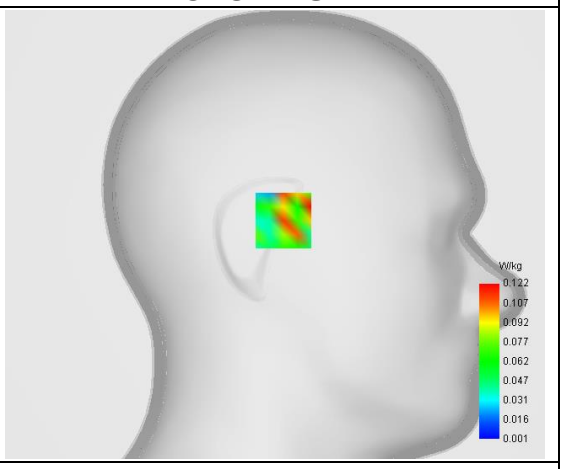
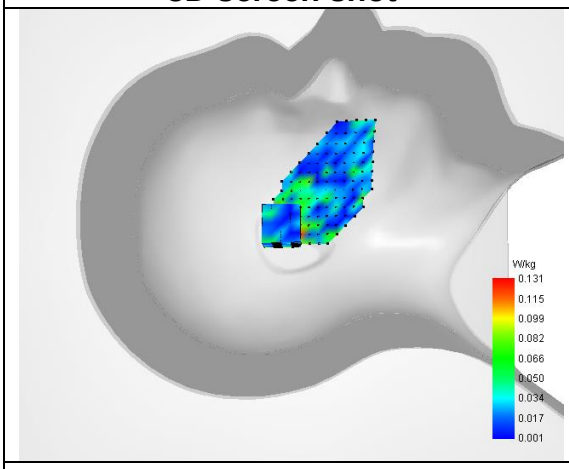
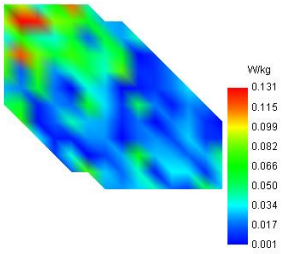
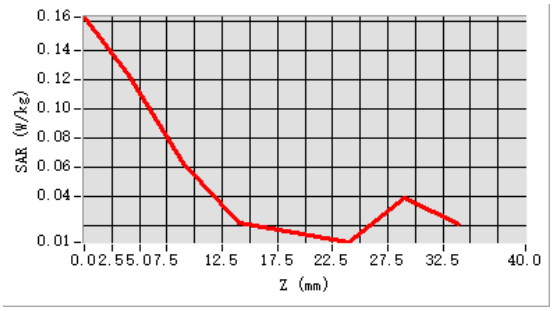
Maximum location: X=0.00, Y=8.00 ; SAR Peak: 0.45 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 33:

Test Date	2023-10-29
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Tilt
Band	ISM MIMO ANT 1
Signal	IEEE 802.11 n
Frequency	2412
SAR 10g (W/Kg)	0.047
SAR 1g (W/Kg)	0.102

Maximum location: X=-5.00, Y=8.00 ; SAR Peak: 0.24 W/kg

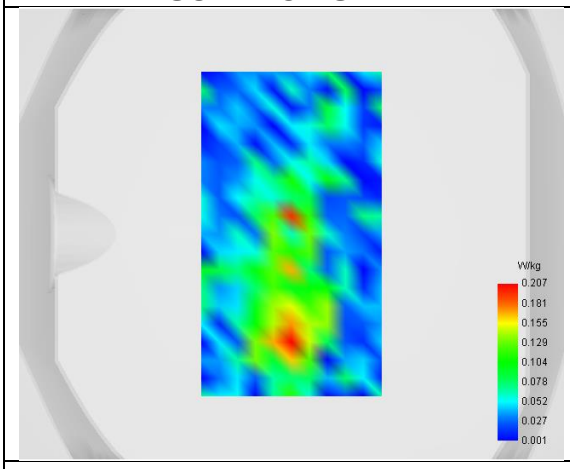
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 34:

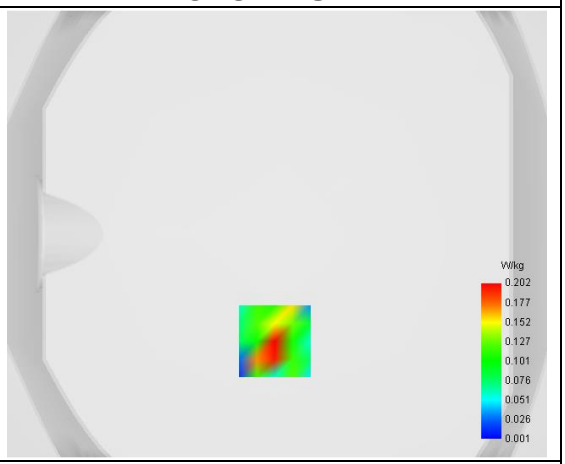
Test Date	2023-10-29
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Top Edge
Band	ISM MIMO ANT 1
Signal	IEEE 802.11 n
Frequency	2412
SAR 10g (W/Kg)	0.092
SAR 1g (W/Kg)	0.215

Maximum location: X=-1.00, Y=-48.00 ; SAR Peak: 0.51 W/kg

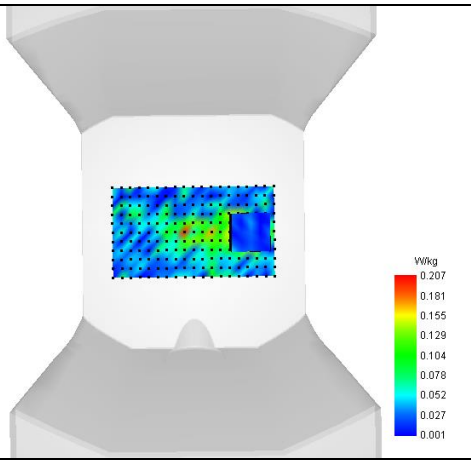
SURFACE SAR



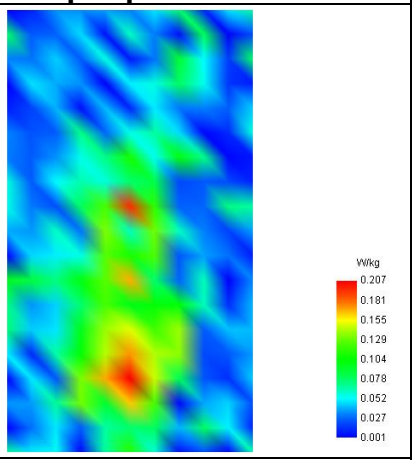
VOLUME SAR

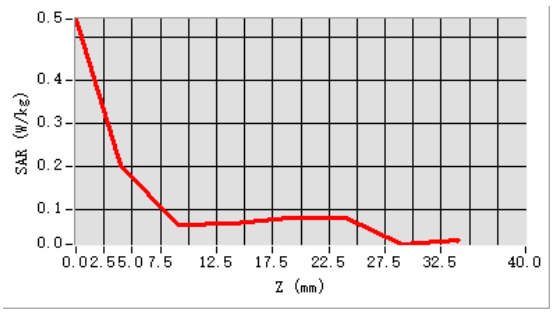


3D screen shot



Hot spot position

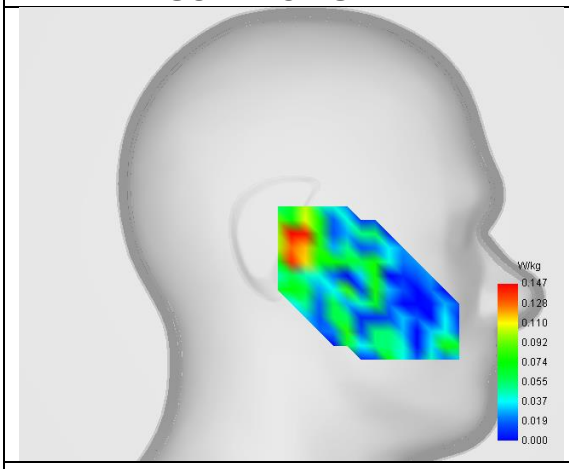
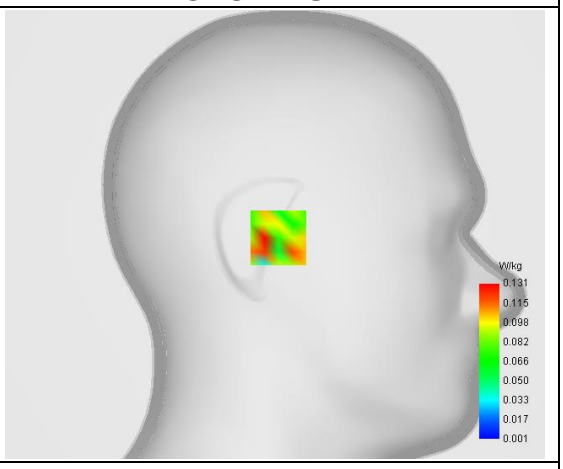
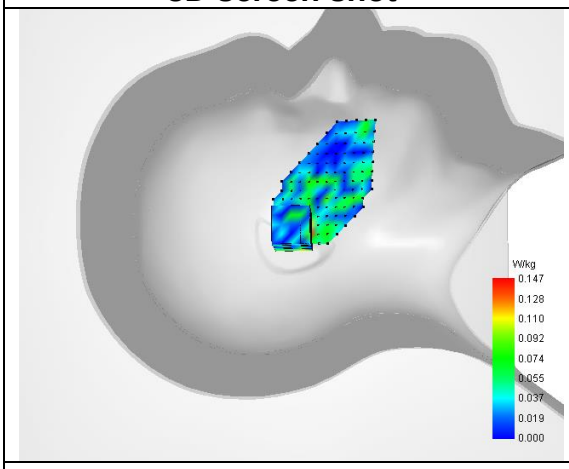
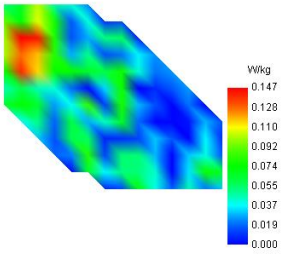
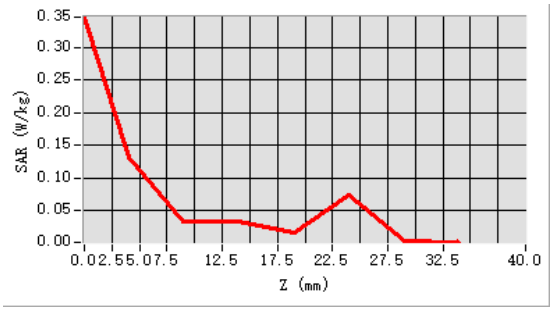




Plot 35:

Test Date	2023-10-29
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Tilt
Band	ISM MIMO ANT 2
Signal	IEEE 802.11 n
Frequency	2412
SAR 10g (W/Kg)	0.054
SAR 1g (W/Kg)	0.142

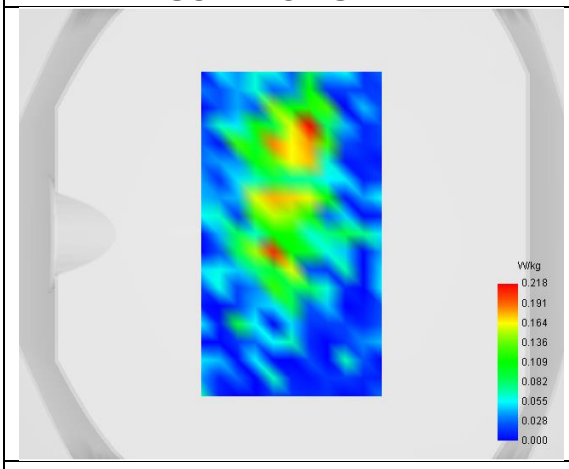
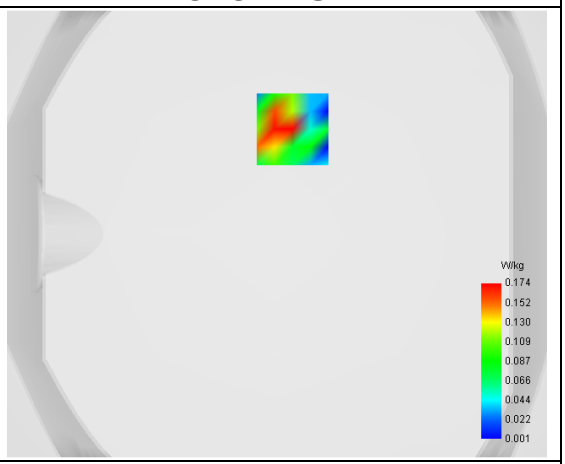
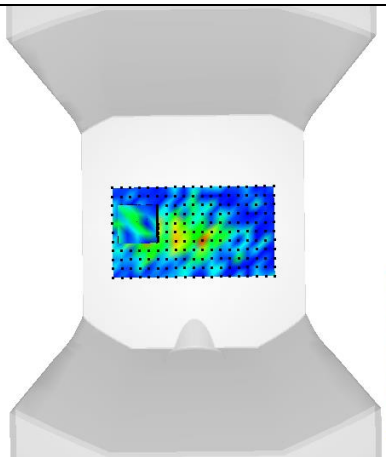
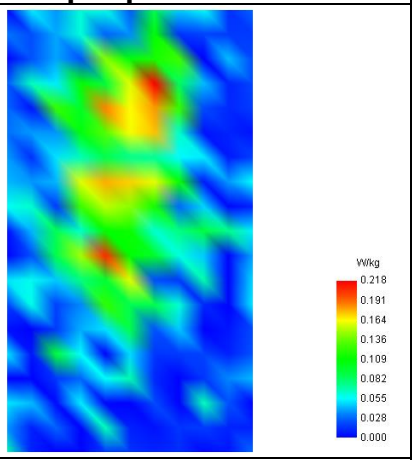
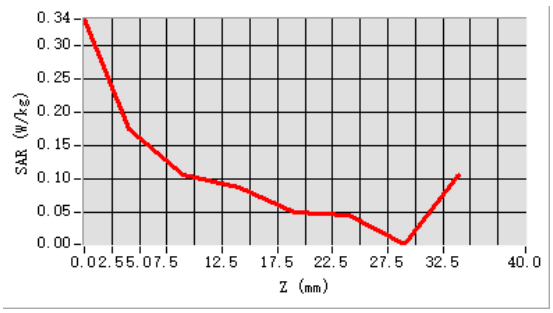
Maximum location: X=-2.00, Y=-2.00 ; SAR Peak: 0.35 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 36:

Test Date	2023-10-29
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Top Edge
Band	ISM MIMO ANT 2
Signal	IEEE 802.11 n
Frequency	2412
SAR 10g (W/Kg)	0.078
SAR 1g (W/Kg)	0.175

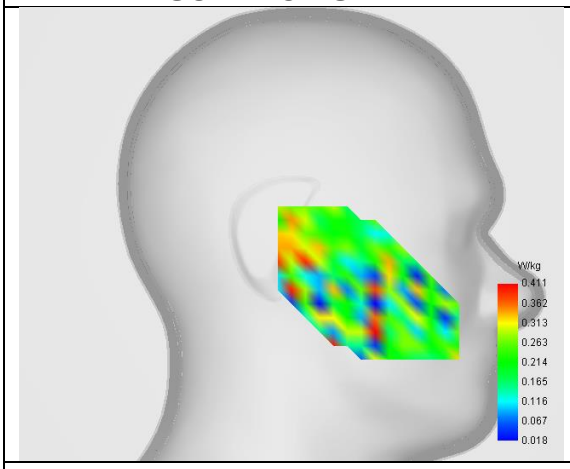
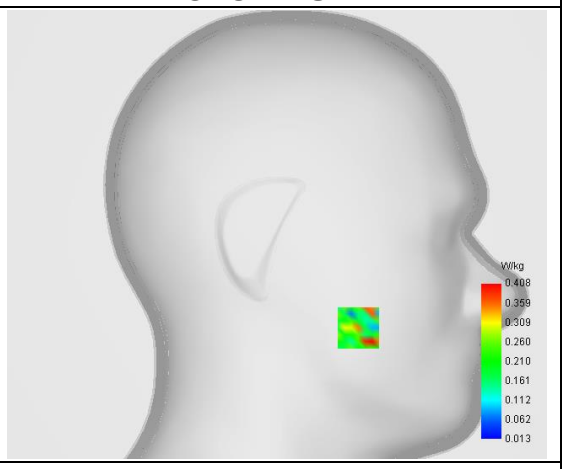
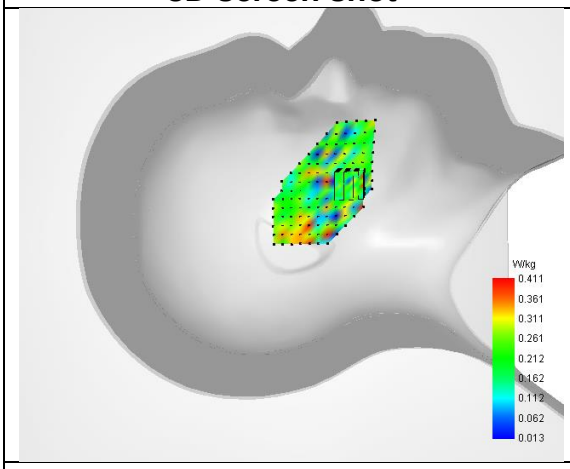
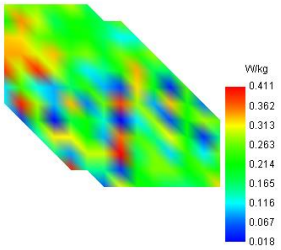
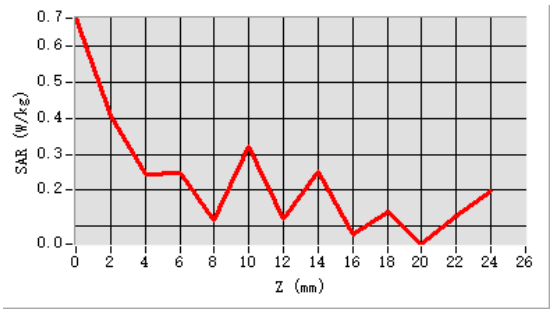
Maximum location: X=7.00, Y=47.00 ; SAR Peak: 0.47 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 37:

Test Date	2023-10-28
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Tilt
Band	U-NII-1 ANT 1
Signal	IEEE 802.11 a
Frequency	5180
SAR 10g (W/Kg)	0.155
SAR 1g (W/Kg)	0.348

Maximum location: X=-47.00, Y=-54.00 ; SAR Peak: 1.90 W/kg

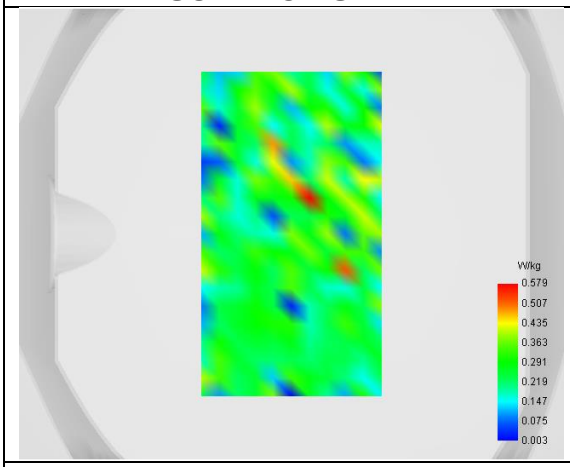
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 38:

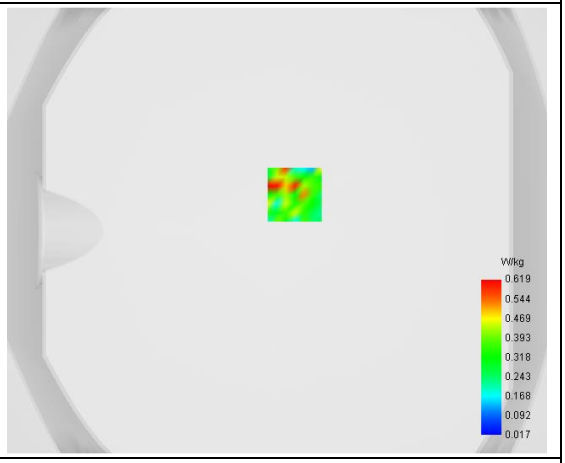
Test Date	2023-10-28
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	U-NII-1 ANT 1
Signal	IEEE 802.11 a
Frequency	5180
SAR 10g (W/Kg)	0.204
SAR 1g (W/Kg)	0.469

Maximum location: X=8.00, Y=16.00 ; SAR Peak: 2.52 W/kg

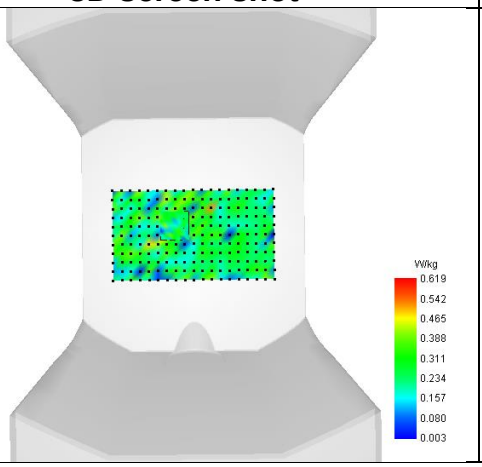
SURFACE SAR



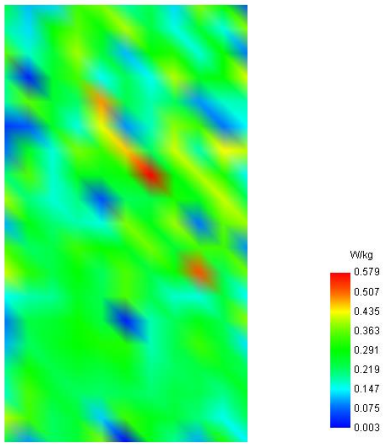
VOLUME SAR

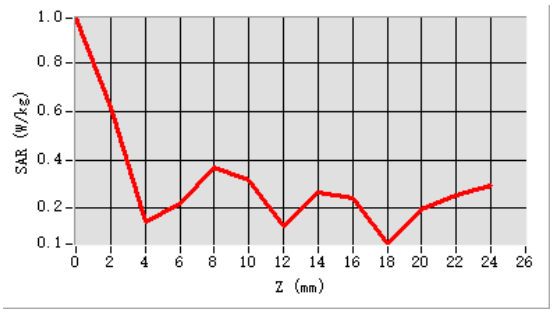


3D screen shot



Hot spot position

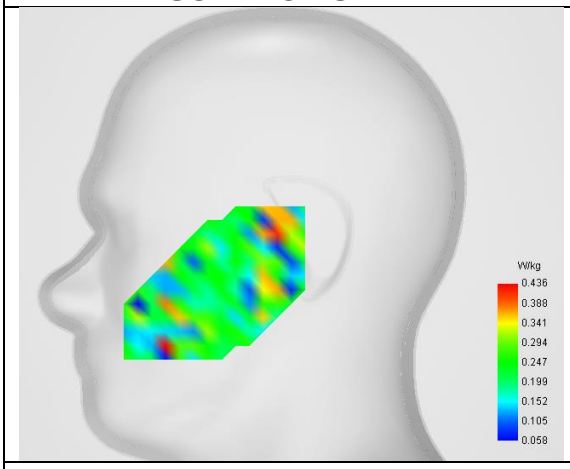
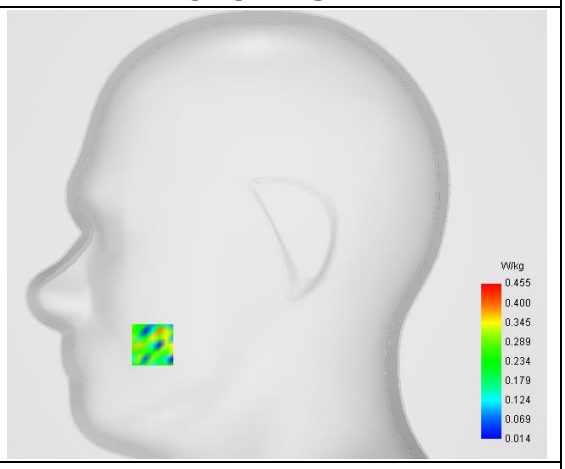
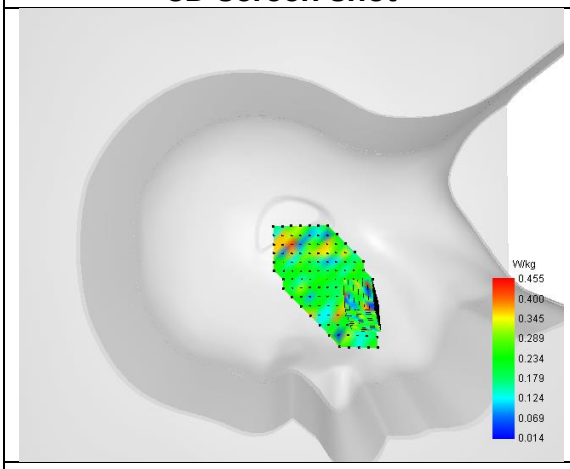
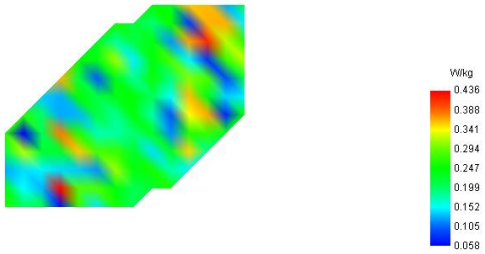
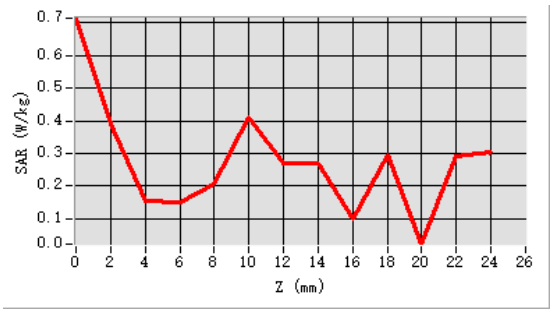




Plot 39:

Test Date	2023-10-28
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-1 ANT 2
Signal	IEEE 802.11 ax
Frequency	5210
SAR 10g (W/Kg)	0.196
SAR 1g (W/Kg)	0.380

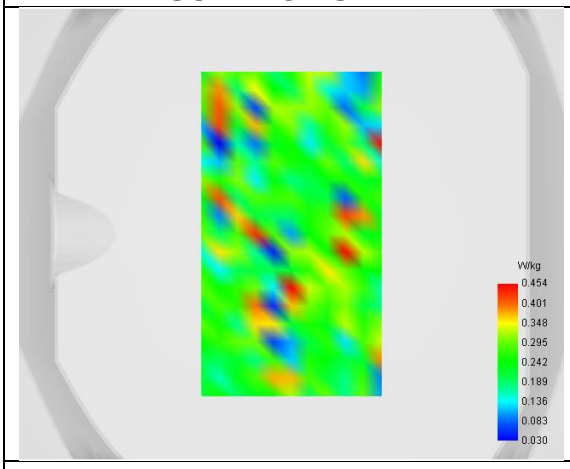
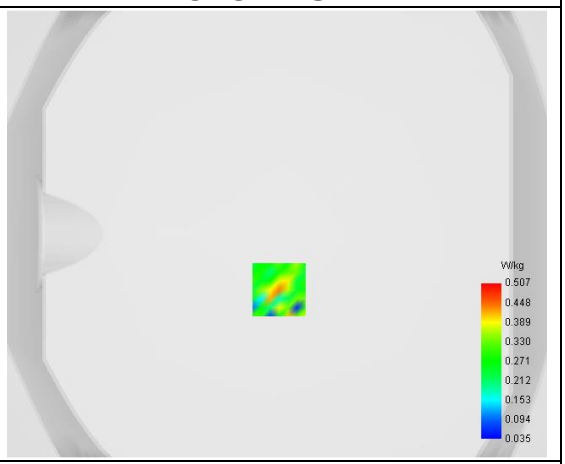
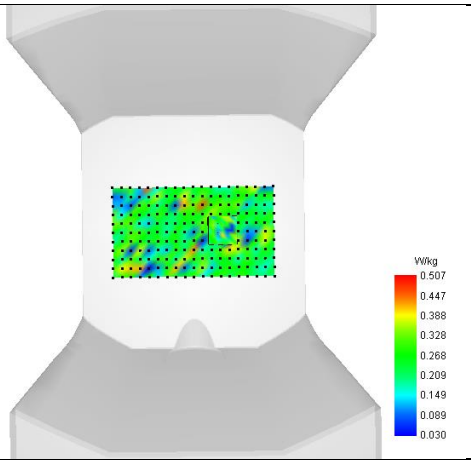
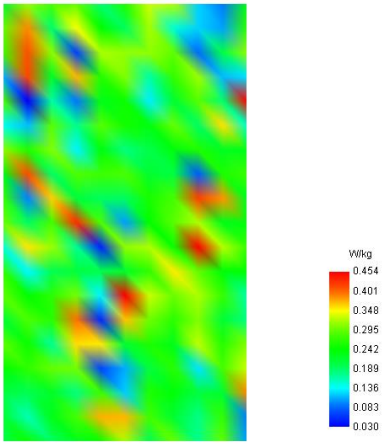
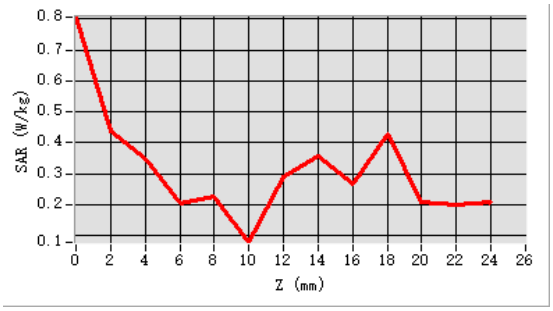
Maximum location: X=-72.00, Y=-64.00 ; SAR Peak: 2.24 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 40:

Test Date	2023-10-28
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	U-NII-1 ANT 2
Signal	IEEE 802.11 ax
Frequency	5210
SAR 10g (W/Kg)	0.197
SAR 1g (W/Kg)	0.305

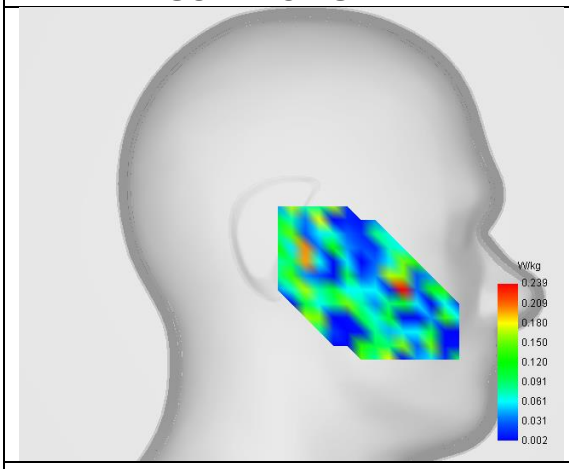
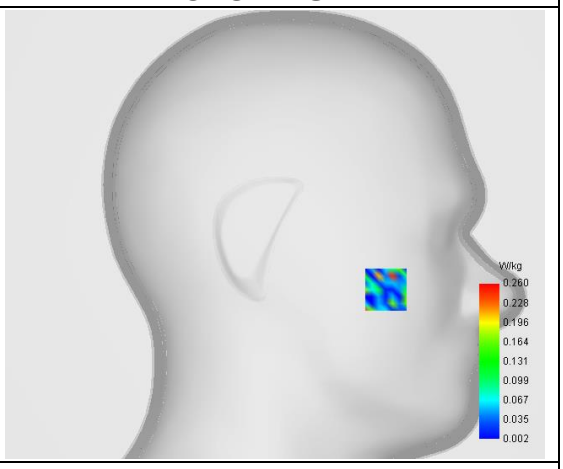
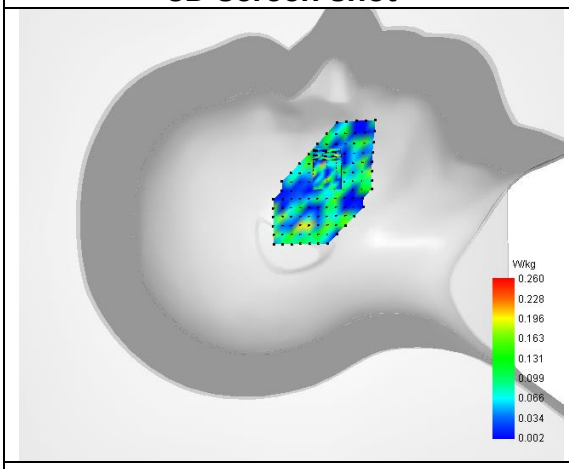
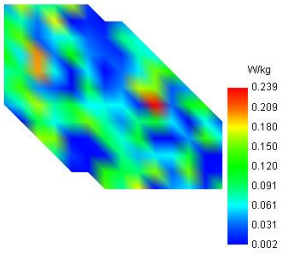
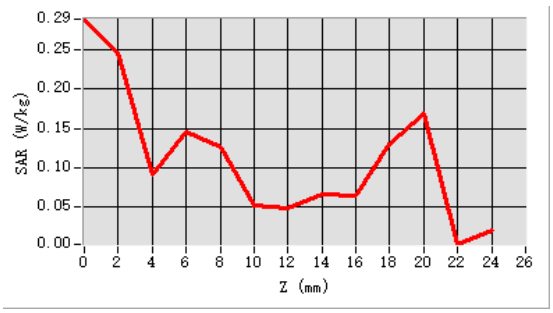
Maximum location: X=1.00, Y=-25.00 ; SAR Peak: 1.57 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 41:

Test Date	2023-11-05
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Tilt
Band	U-NII-1MIMO ANT 1
Signal	IEEE 802.11 ax
Frequency	5210
SAR 10g (W/Kg)	0.044
SAR 1g (W/Kg)	0.112

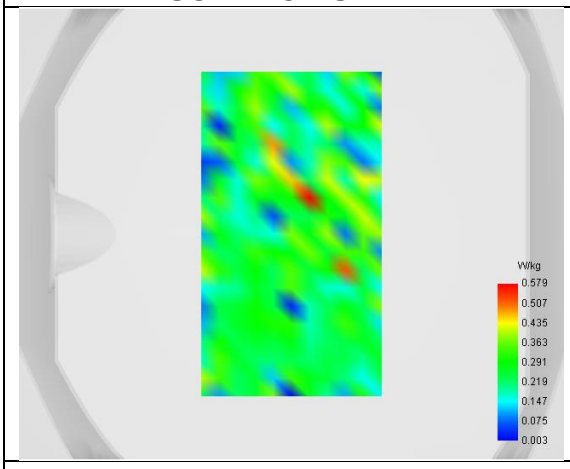
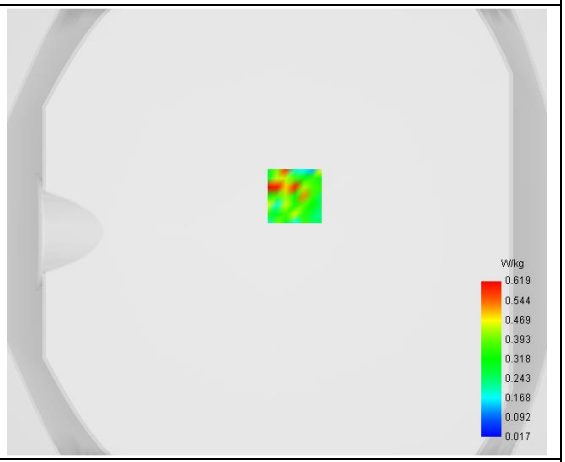
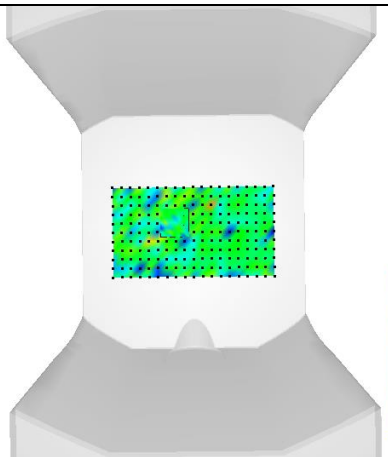
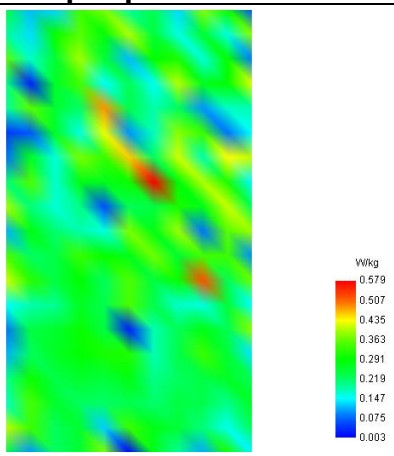
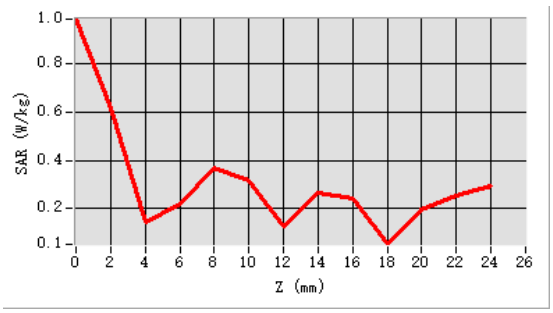
Maximum location: X=-64.00, Y=-32.00 ; SAR Peak: 1.49 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 42:

Test Date	2023-11-05
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	U-NII-1MIMO ANT 1
Signal	IEEE 802.11 ax
Frequency	5210
SAR 10g (W/Kg)	0.204
SAR 1g (W/Kg)	0.469

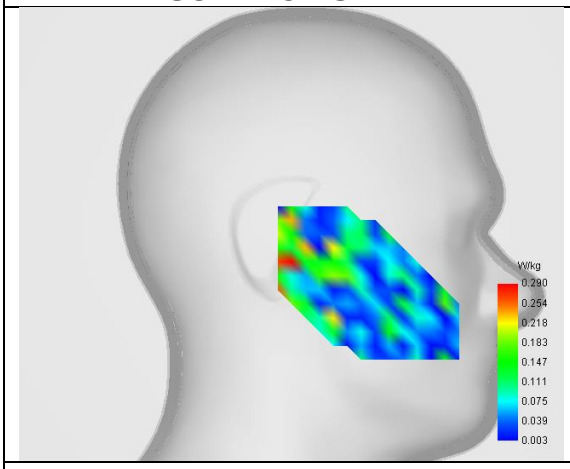
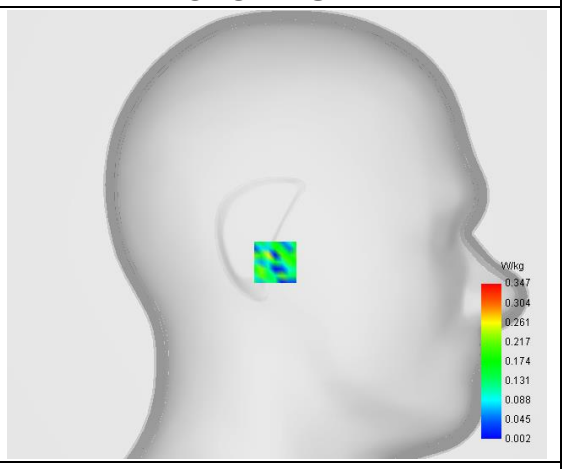
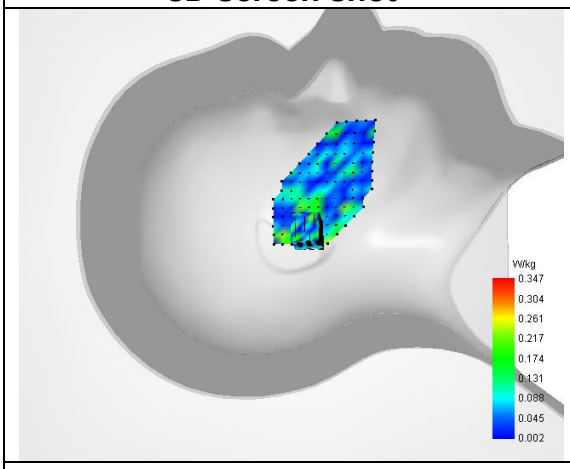
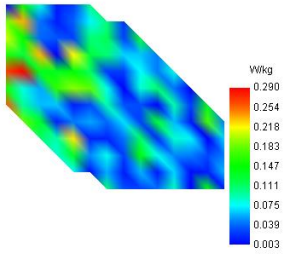
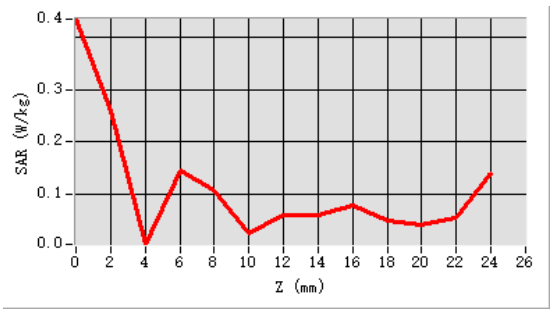
Maximum location: X=8.00, Y=16.00 ; SAR Peak: 2.52 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 43:

Test Date	2023-11-05
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Tilt
Band	U-NII-1MIMO ANT 2
Signal	IEEE 802.11 ax
Frequency	5210
SAR 10g (W/Kg)	0.071
SAR 1g (W/Kg)	0.194

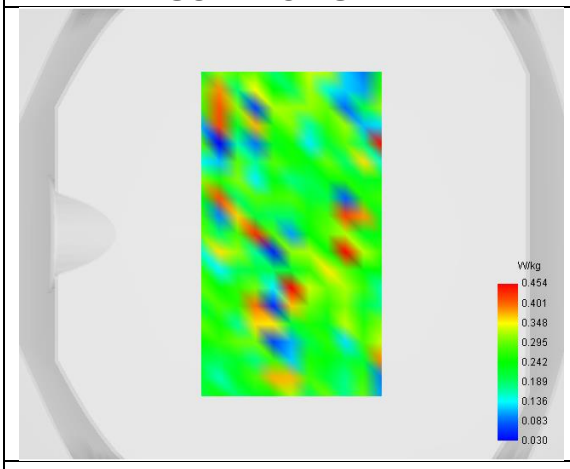
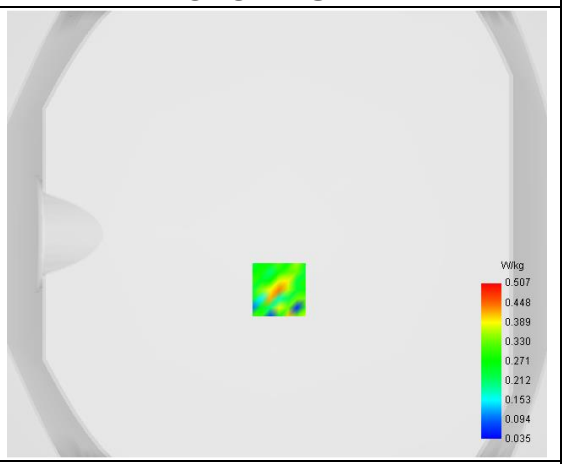
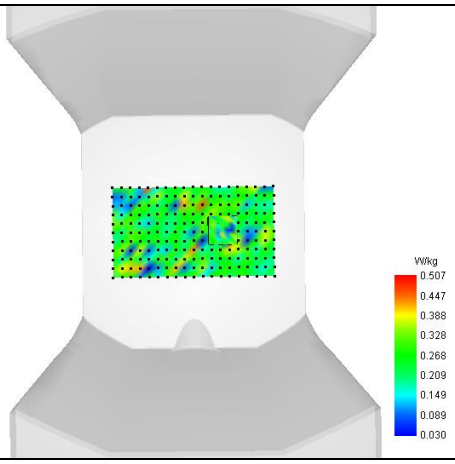
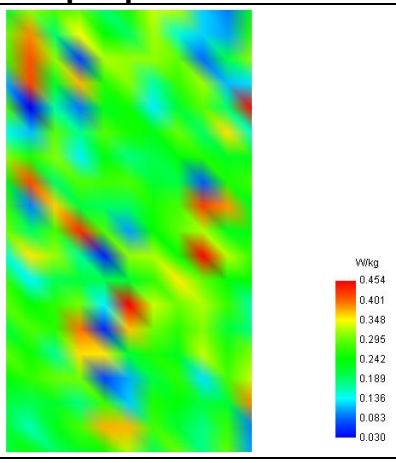
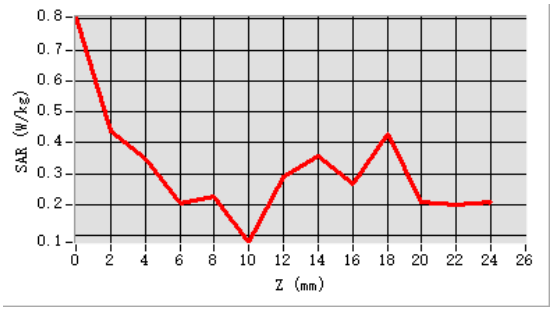
Maximum location: X=1.00, Y=-16.00 ; SAR Peak: 1.18 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 44:

Test Date	2023-11-05
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	U-NII-1MIMO ANT 2
Signal	IEEE 802.11 ax
Frequency	5210
SAR 10g (W/Kg)	0.197
SAR 1g (W/Kg)	0.305

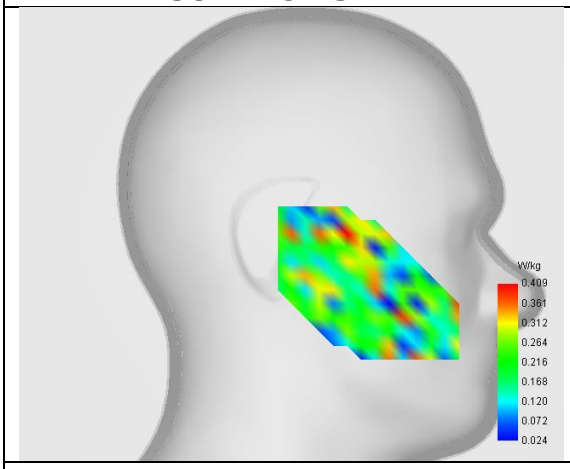
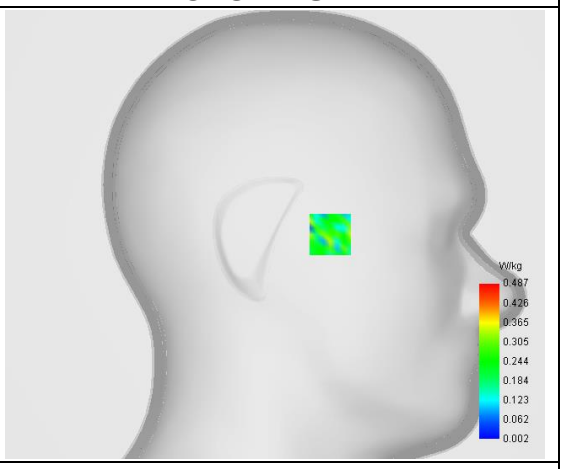
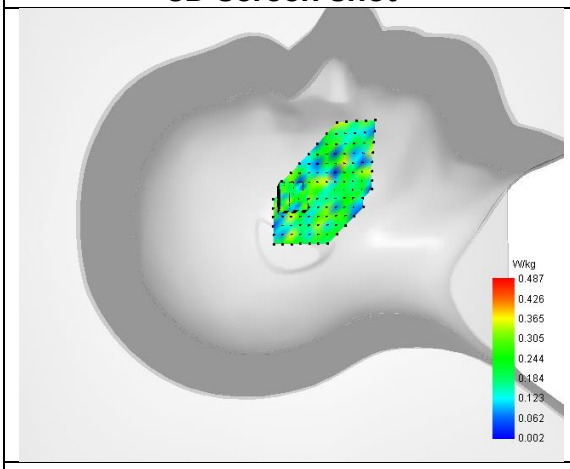
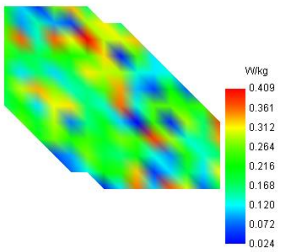
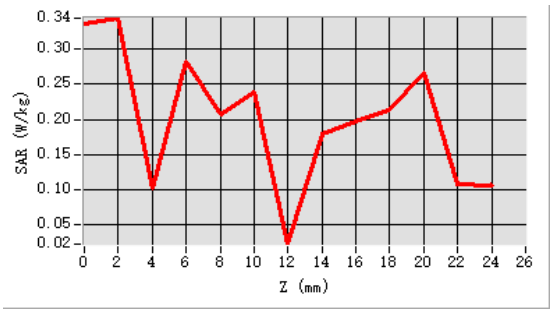
Maximum location: X=1.00, Y=-25.00 ; SAR Peak: 1.57 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 45:

Test Date	2023-11-01
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Tilt
Band	U-NII-2 ANT 1
Signal	IEEE 802.11 ax
Frequency	5290
SAR 10g (W/Kg)	0.151
SAR 1g (W/Kg)	0.224

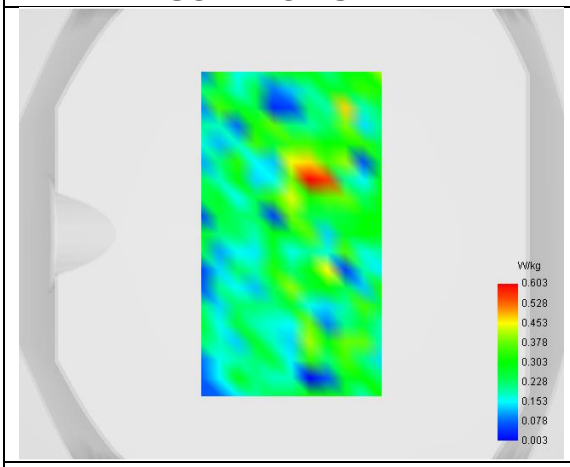
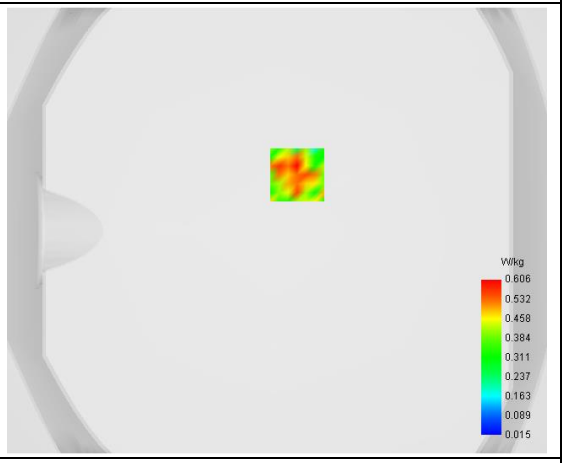
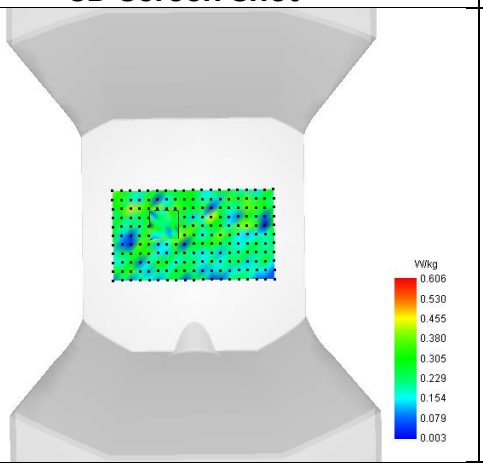
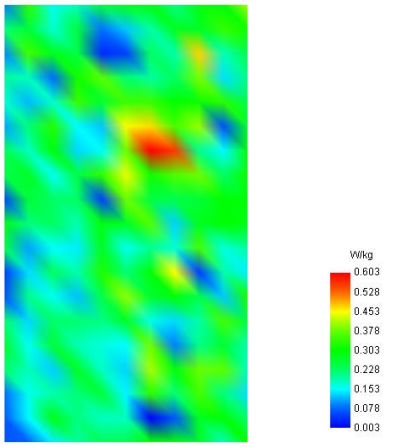
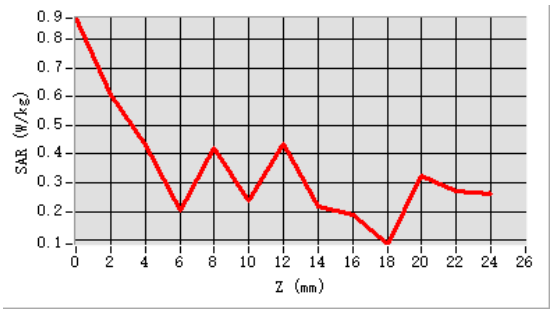
Maximum location: X=-32.00, Y=0.00 ; SAR Peak: 1.87 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 46:

Test Date	2023-11-01
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	U-NII-2 ANT 1
Signal	IEEE 802.11 ax
Frequency	5290
SAR 10g (W/Kg)	0.225
SAR 1g (W/Kg)	0.457

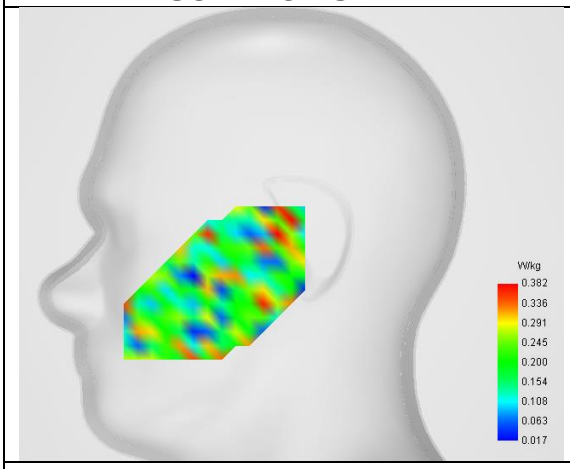
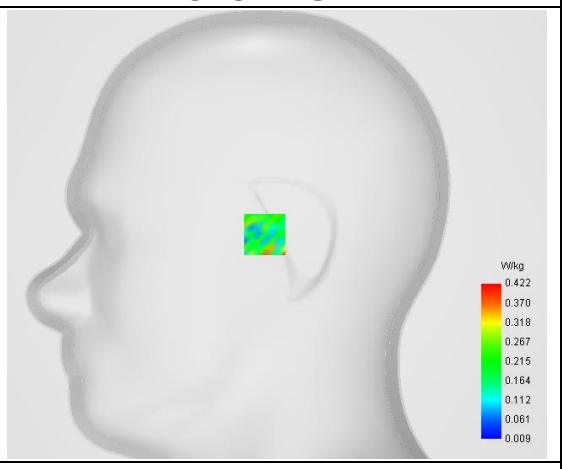
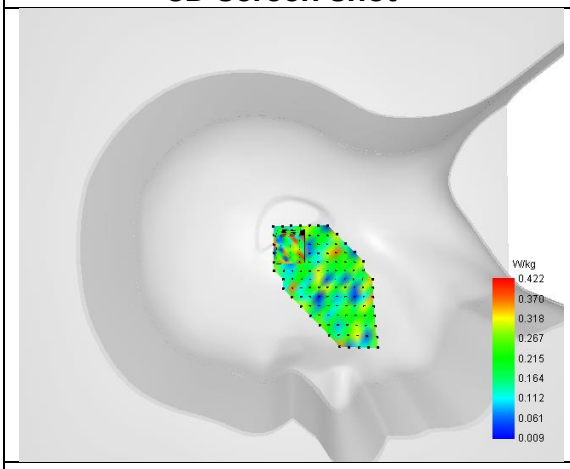
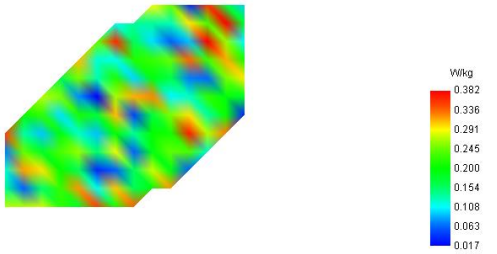
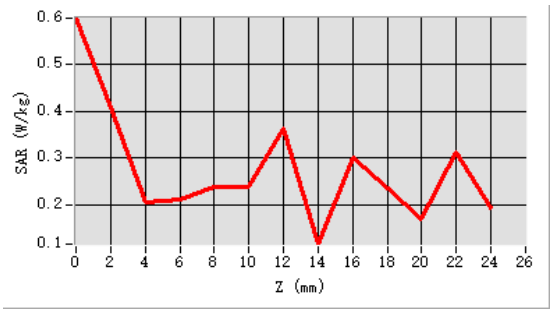
Maximum location: X=9.00, Y=25.00 ; SAR Peak: 1.61 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 47:

Test Date	2023-11-01
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-2 ANT 2
Signal	IEEE 802.11 a
Frequency	5320
SAR 10g (W/Kg)	0.153
SAR 1g (W/Kg)	0.266

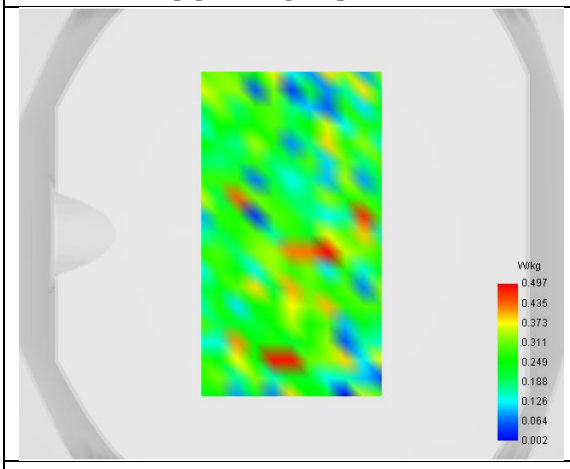
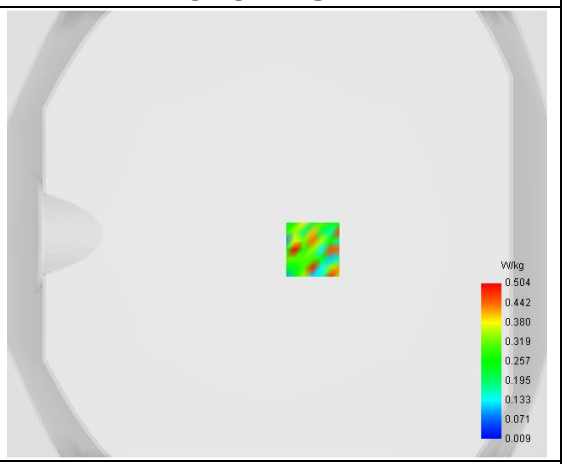
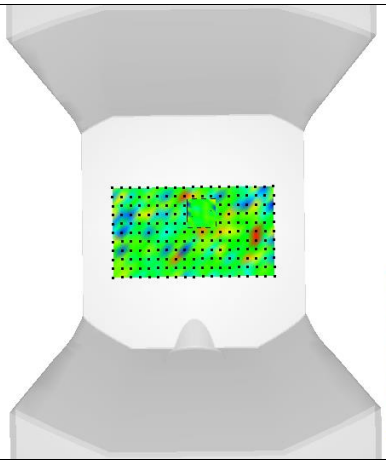
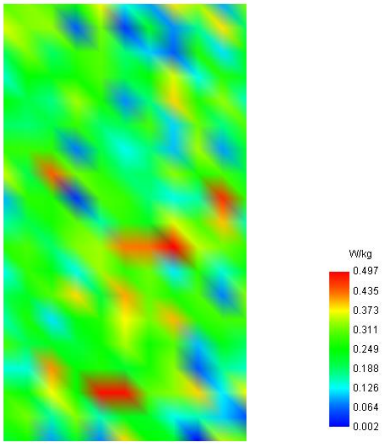
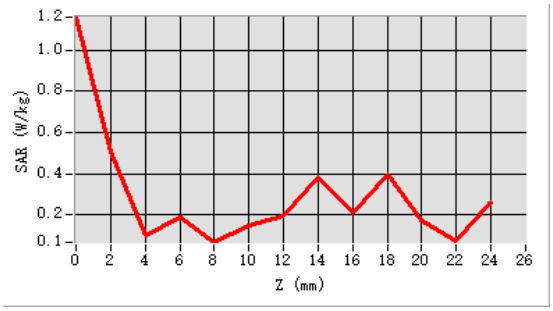
Maximum location: X=-7.00, Y=0.00 ; SAR Peak: 2.30 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 48:

Test Date	2023-11-01
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	U-NII-2 ANT 2
Signal	IEEE 802.11 a
Frequency	5320
SAR 10g (W/Kg)	0.201
SAR 1g (W/Kg)	0.289

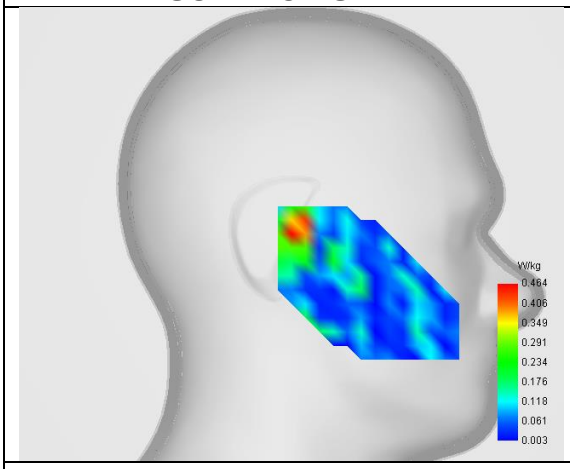
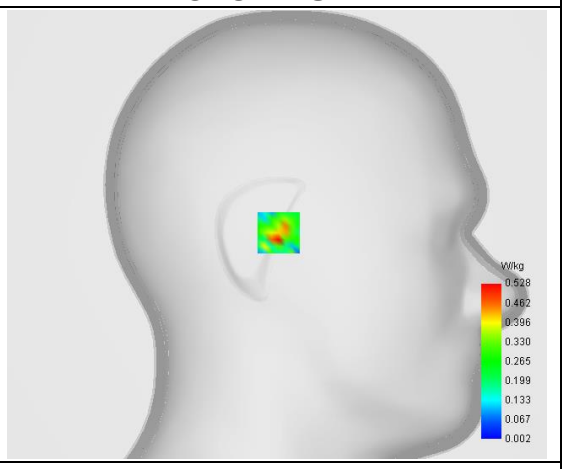
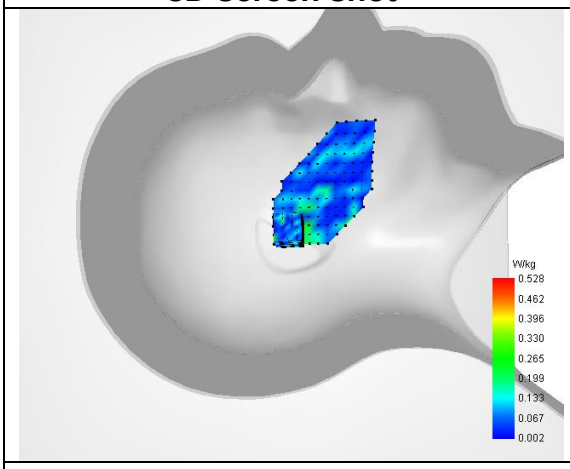
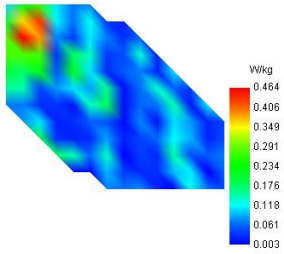
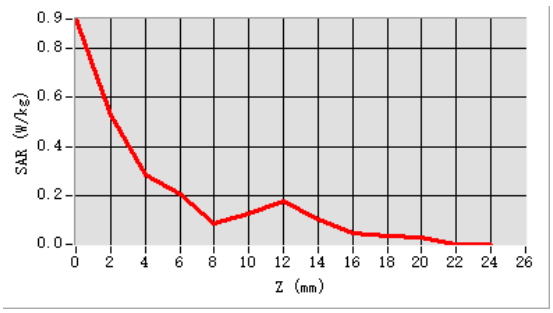
Maximum location: X=16.00, Y=-7.00 ; SAR Peak: 1.62 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 49:

Test Date	2023-11-06
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Tilt
Band	U-NII-2 MIMO ANT 1
Signal	IEEE 802.11 ax
Frequency	5290
SAR 10g (W/Kg)	0.137
SAR 1g (W/Kg)	0.388

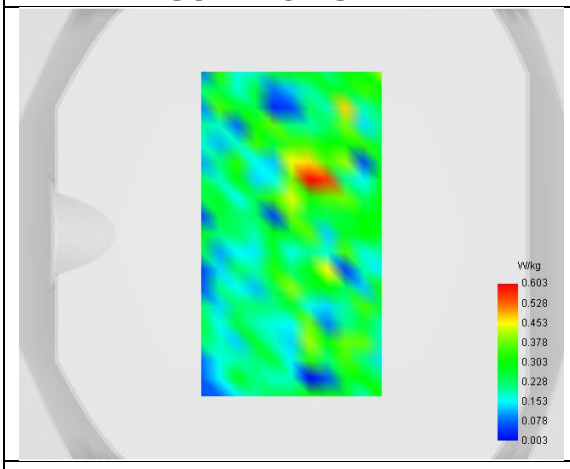
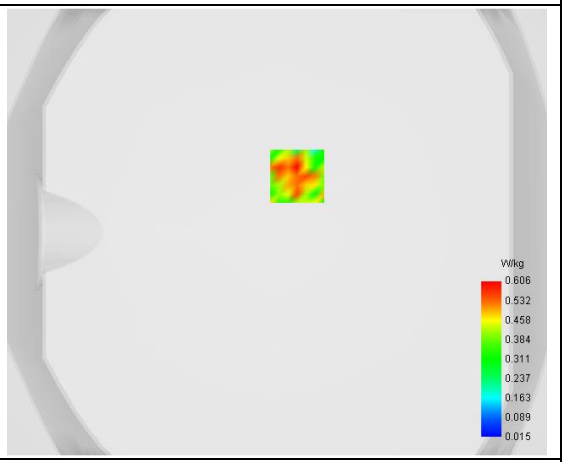
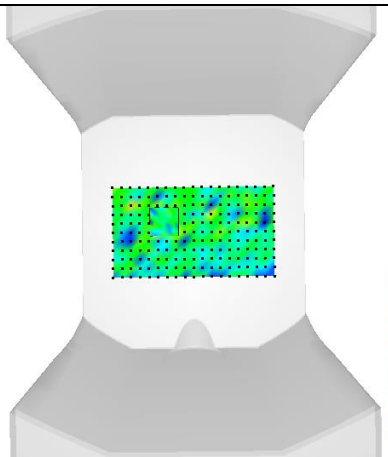
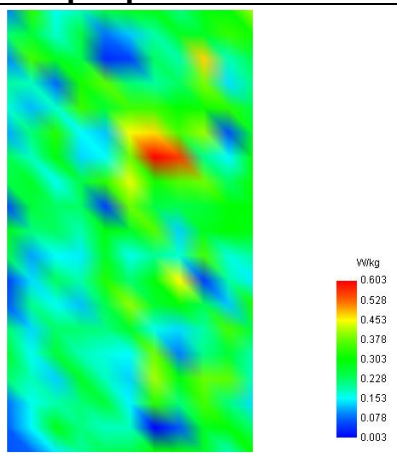
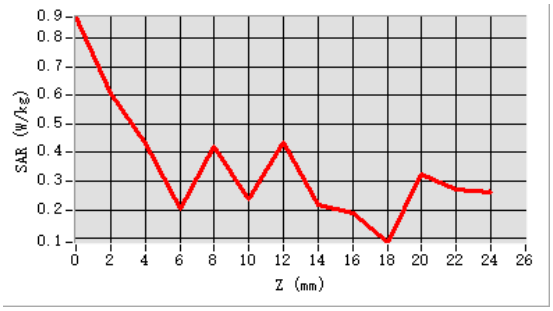
Maximum location: X=-1.00, Y=1.00 ; SAR Peak: 1.98 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 50:

Test Date	2023-11-06
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	U-NII-2 MIMO ANT 1
Signal	IEEE 802.11 ax
Frequency	5290
SAR 10g (W/Kg)	0.225
SAR 1g (W/Kg)	0.457

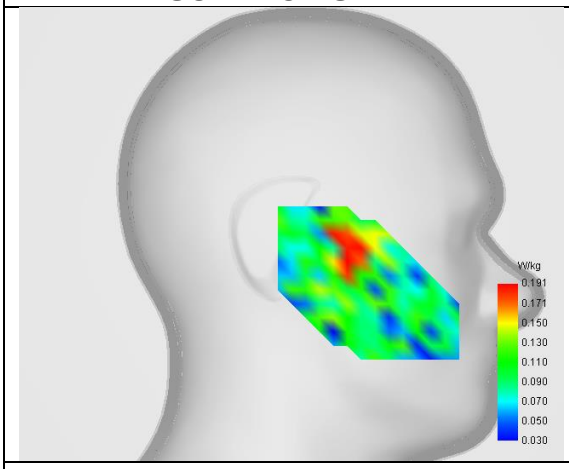
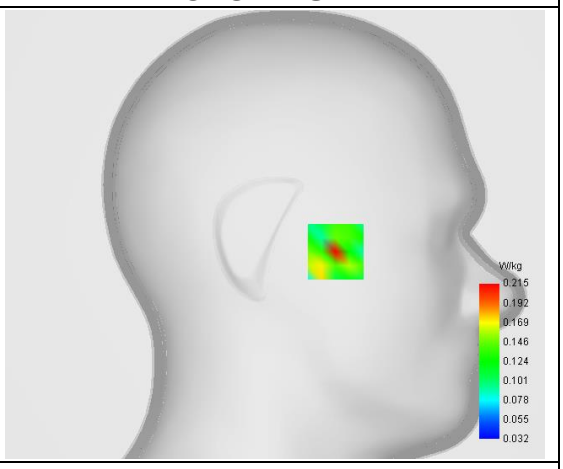
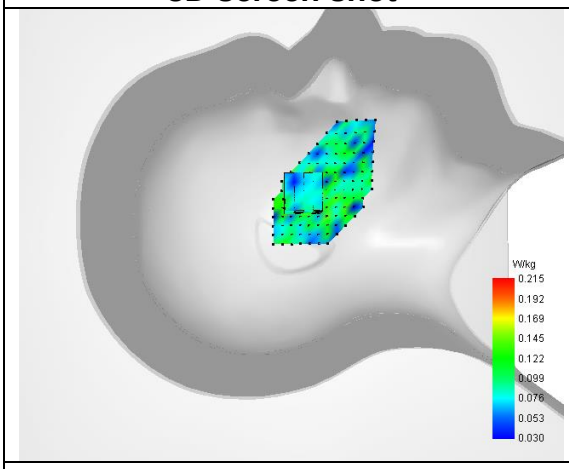
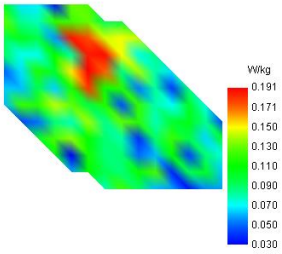
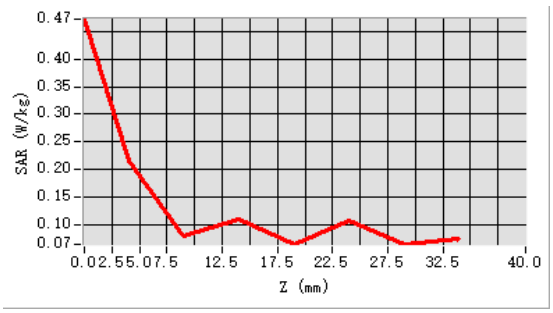
Maximum location: X=9.00, Y=25.00 ; SAR Peak: 1.61 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 51:

Test Date	2023-11-06
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Tilt
Band	U-NII-2 MIMO ANT 2
Signal	IEEE 802.11 ax
Frequency	5290
SAR 10g (W/Kg)	0.104
SAR 1g (W/Kg)	0.186

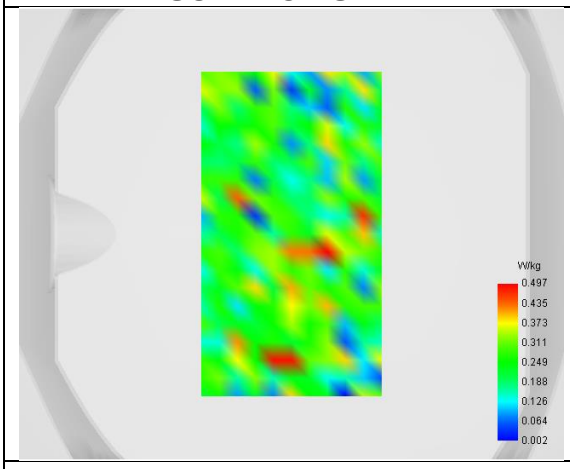
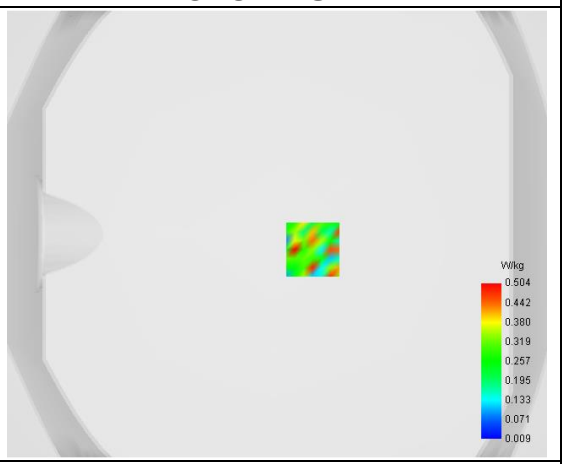
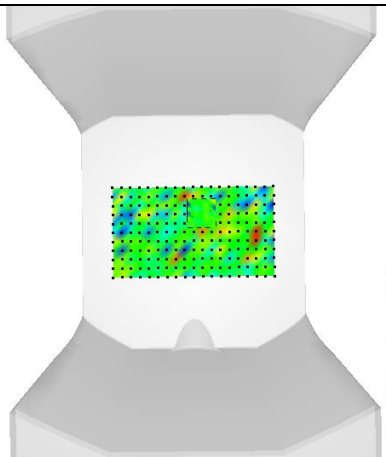
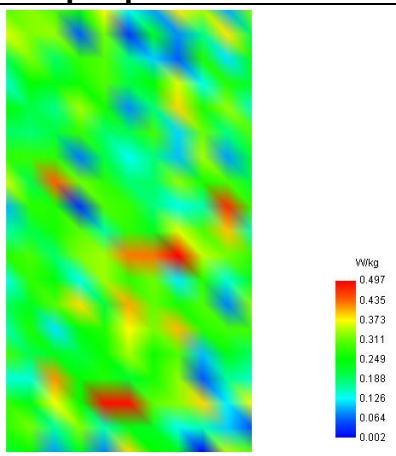
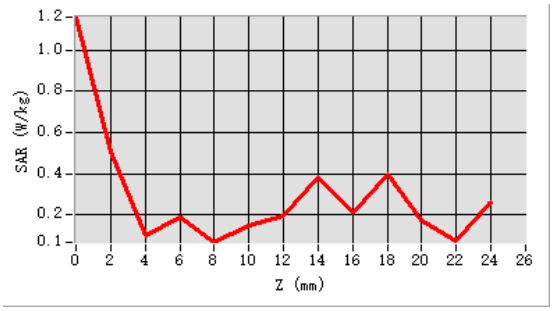
Maximum location: X=-35.00, Y=-10.00 ; SAR Peak: 0.45 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 52:

Test Date	2023-11-06
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	U-NII-2 MIMO ANT 2
Signal	IEEE 802.11 ax
Frequency	5290
SAR 10g (W/Kg)	0.201
SAR 1g (W/Kg)	0.289

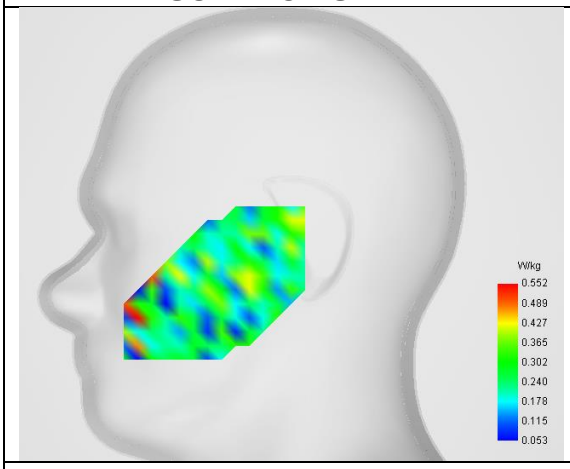
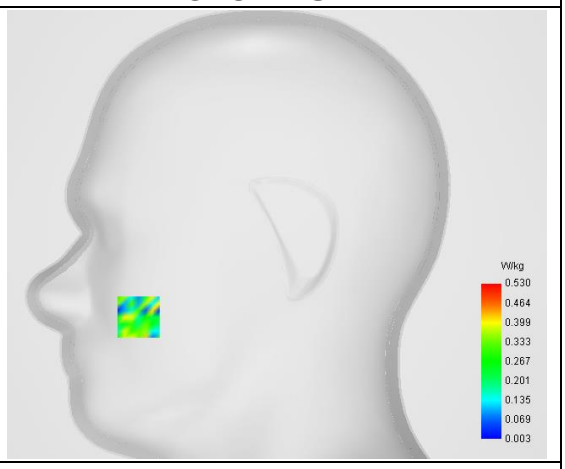
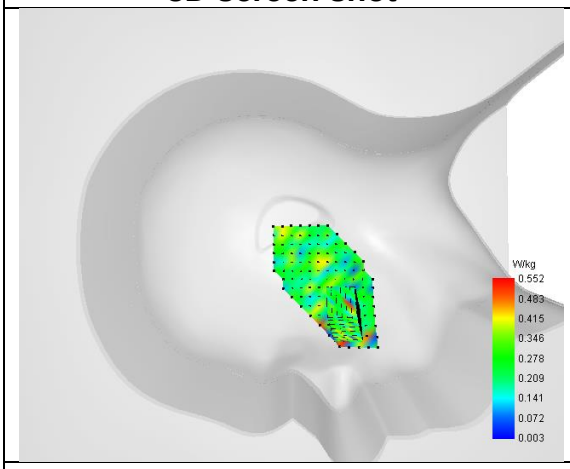
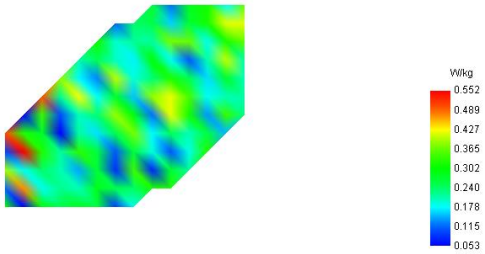
Maximum location: X=16.00, Y=-7.00 ; SAR Peak: 1.62 W/kg

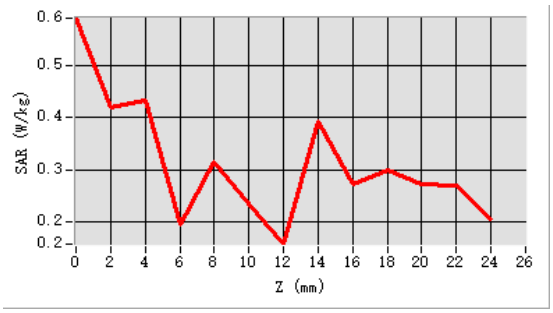
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 53:

Test Date	2023-11-02
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-2 ANT 1
Signal	IEEE 802.11 a
Frequency	5500
SAR 10g (W/Kg)	0.187
SAR 1g (W/Kg)	0.406

Maximum location: X=-80.00, Y=-48.00 ; SAR Peak: 2.94 W/kg

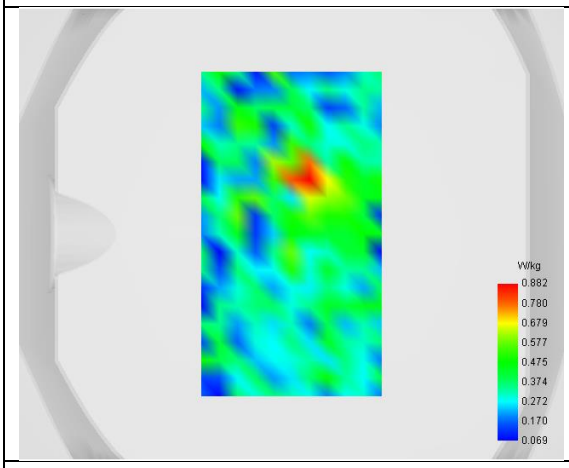
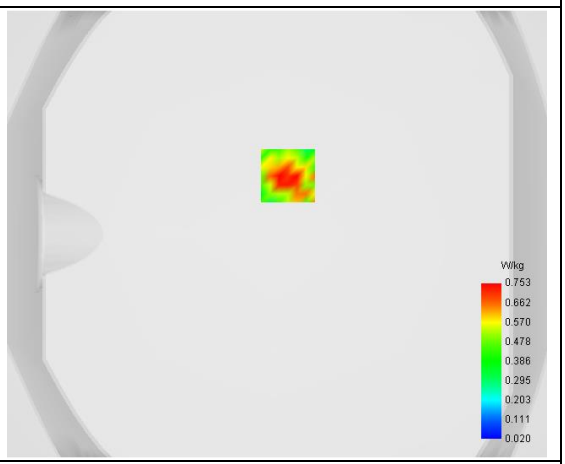
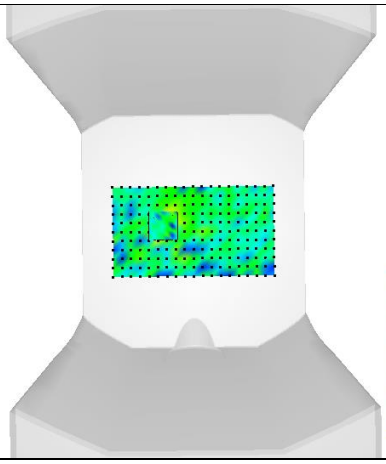
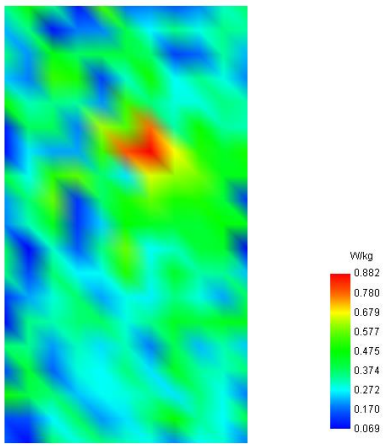
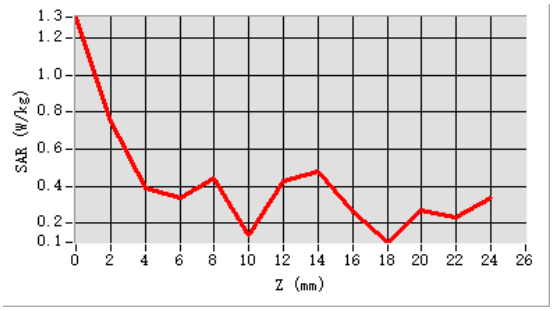
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	



Plot 54:

Test Date	2023-11-02
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	U-NII-2 ANT 1
Signal	IEEE 802.11 a
Frequency	5500
SAR 10g (W/Kg)	0.293
SAR 1g (W/Kg)	0.582

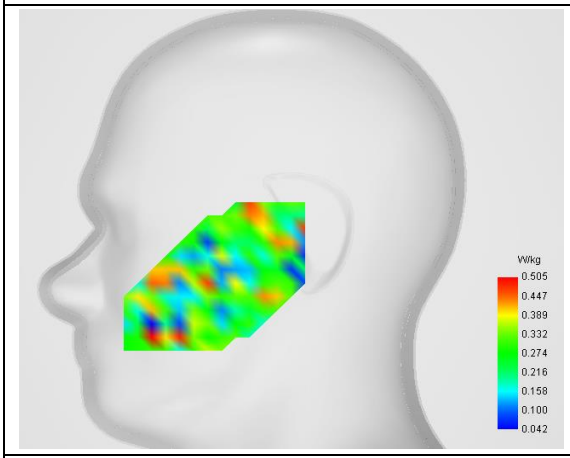
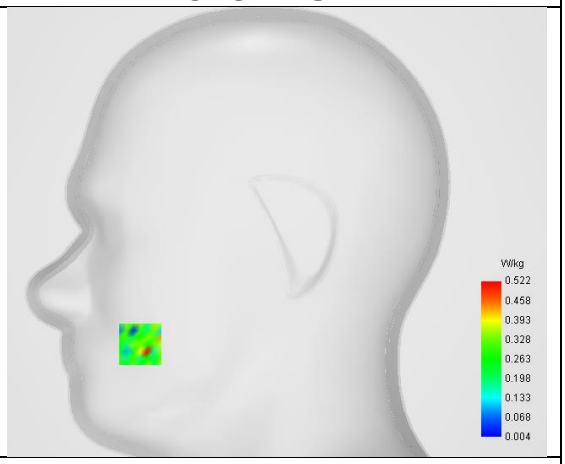
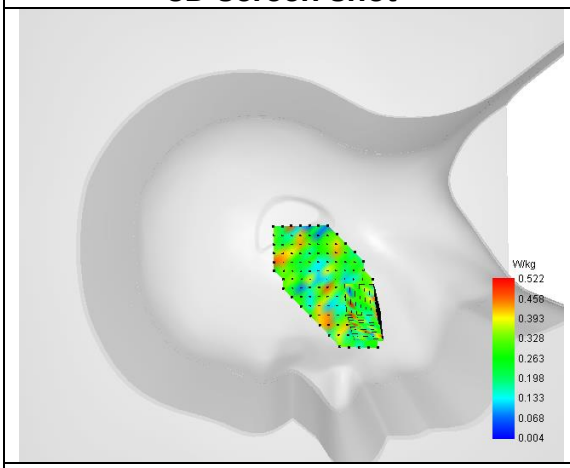
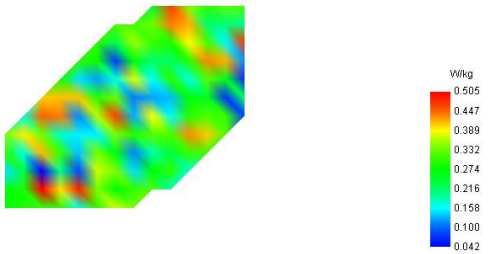
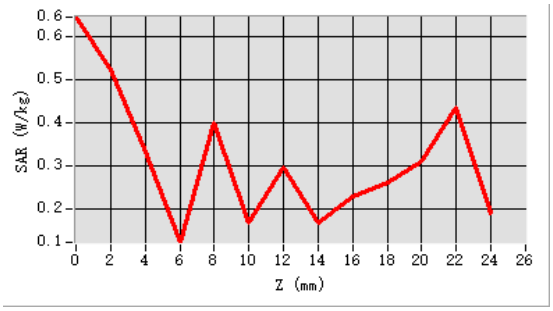
Maximum location: X=5.00, Y=26.00 ; SAR Peak: 1.91 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 55:

Test Date	2023-11-02
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-2 ANT 2
Signal	IEEE 802.11 n
Frequency	5510
SAR 10g (W/Kg)	0.179
SAR 1g (W/Kg)	0.328

Maximum location: X=-79.00, Y=-65.00 ; SAR Peak: 2.42 W/kg

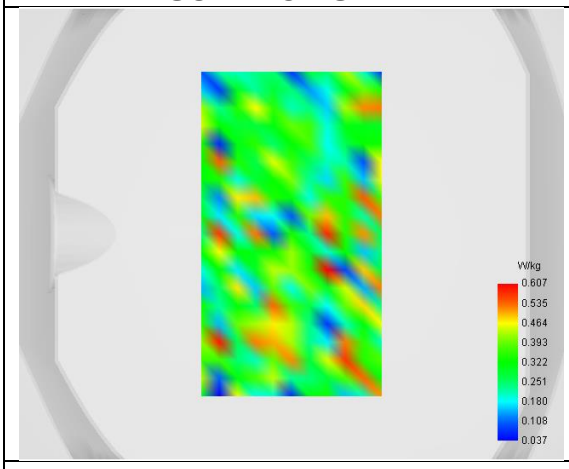
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 56:

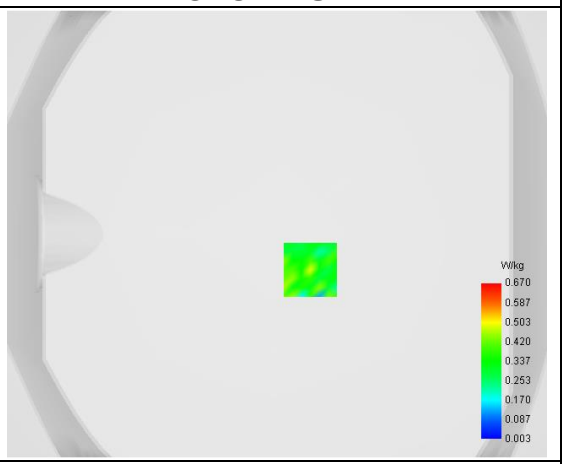
Test Date	2023-11-02
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	U-NII-2 ANT 2
Signal	IEEE 802.11 n
Frequency	5510
SAR 10g (W/Kg)	0.196
SAR 1g (W/Kg)	0.361

Maximum location: X=15.00, Y=-16.00 ; SAR Peak: 2.11 W/kg

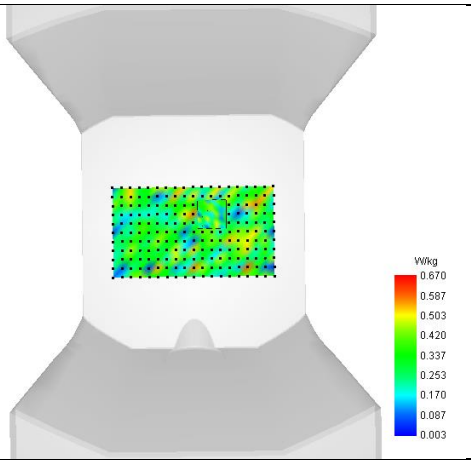
SURFACE SAR



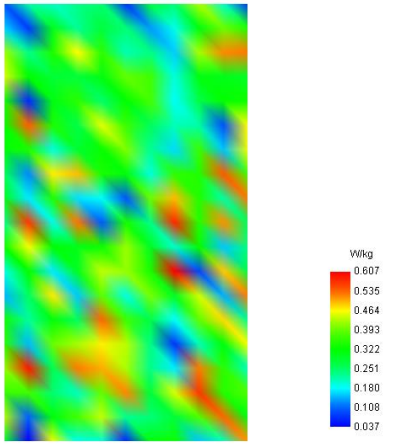
VOLUME SAR

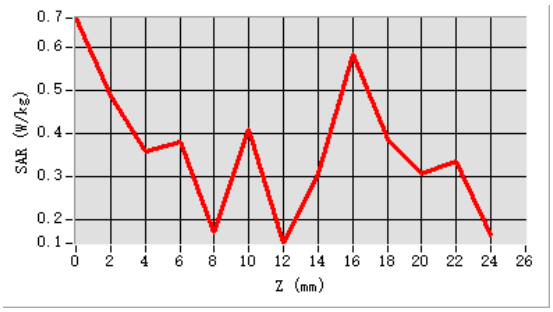


3D screen shot



Hot spot position

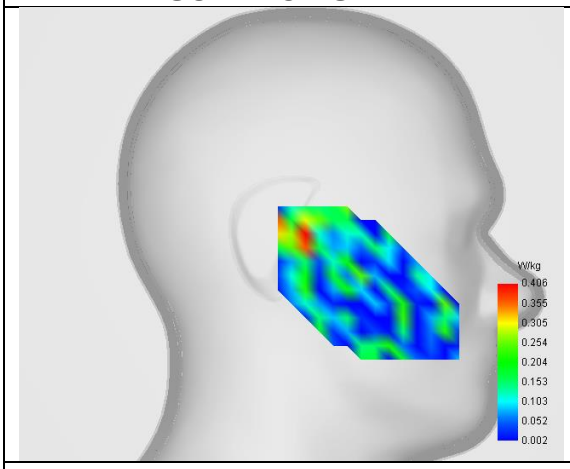
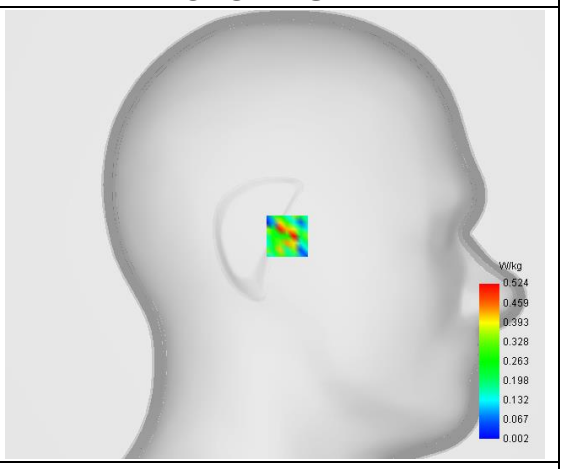
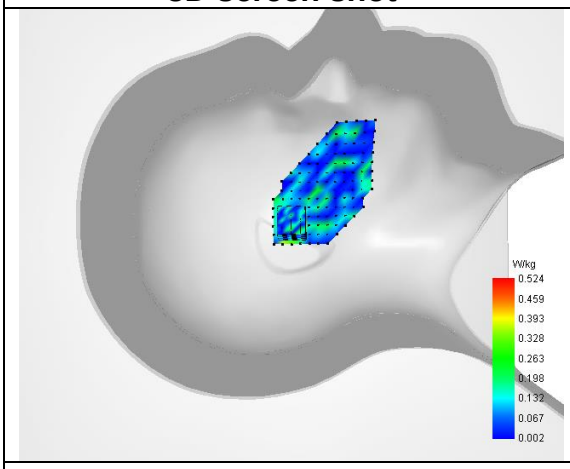
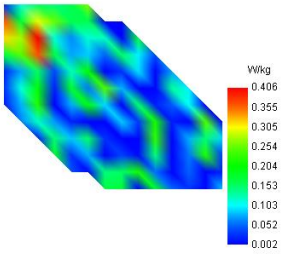
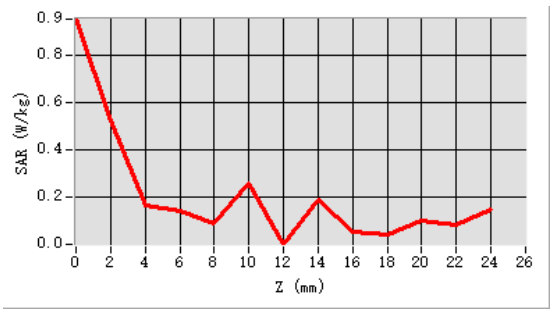




Plot 57:

Test Date	2023-11-07
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Tilt
Band	U-NII-2c MIMO ANT 1
Signal	IEEE 802.11 n
Frequency	5500
SAR 10g (W/Kg)	0.164
SAR 1g (W/Kg)	0.410

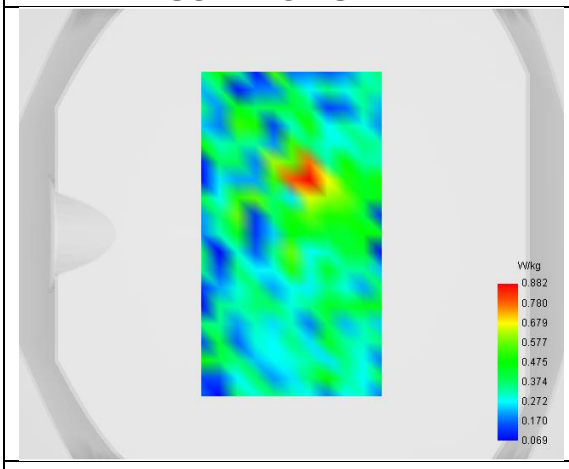
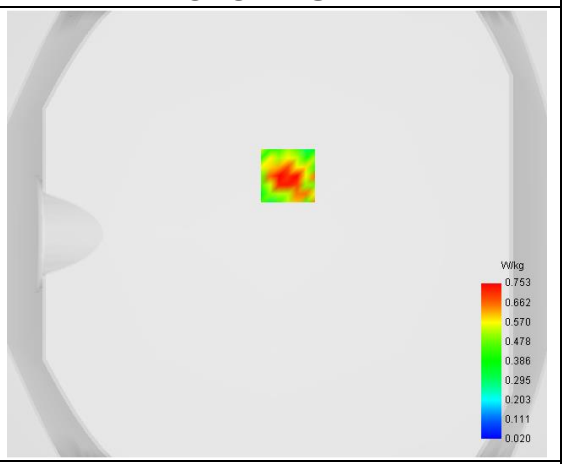
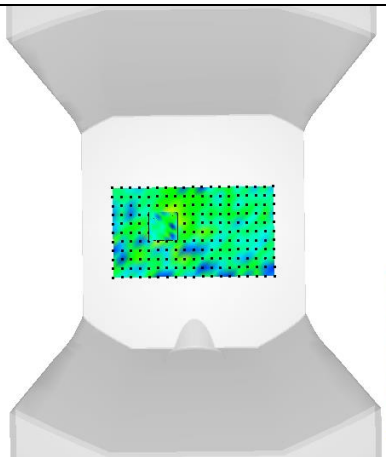
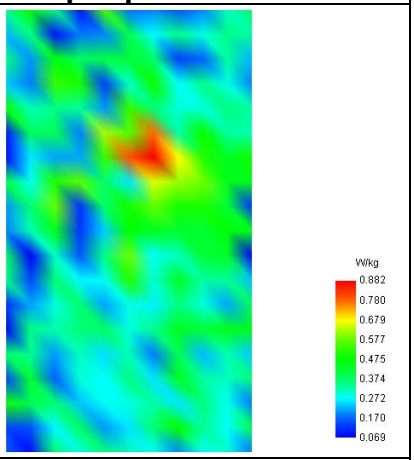
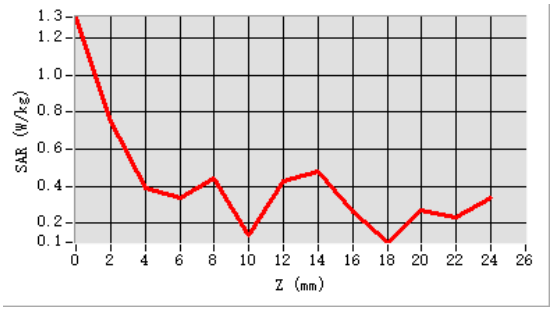
Maximum location: X=-7.00, Y=-1.00 ; SAR Peak: 2.16 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 58:

Test Date	2023-11-07
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	U-NII-2c MIMO ANT 1
Signal	IEEE 802.11 n
Frequency	5500
SAR 10g (W/Kg)	0.293
SAR 1g (W/Kg)	0.582

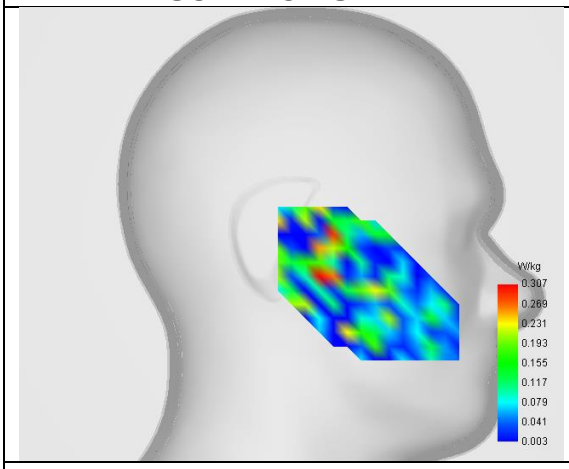
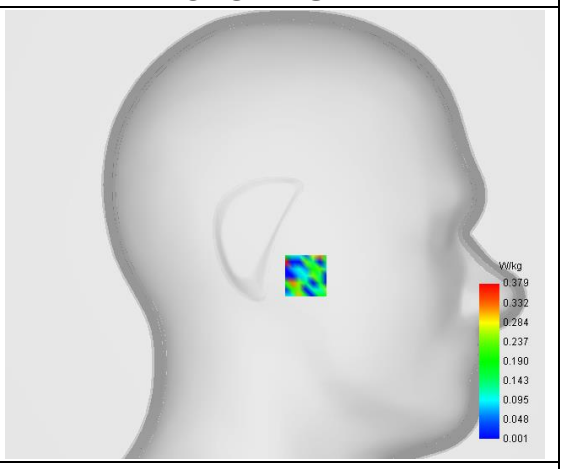
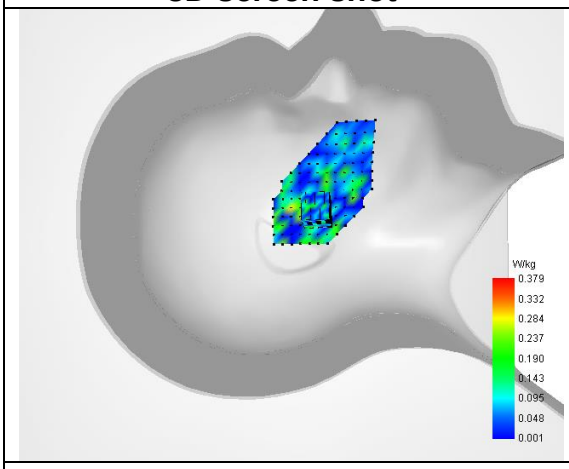
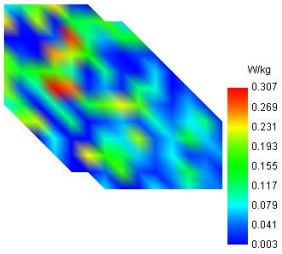
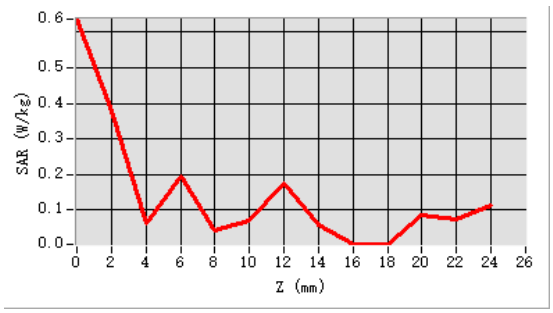
Maximum location: X=5.00, Y=26.00 ; SAR Peak: 1.91 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 59:

Test Date	2023-11-07
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Tilt
Band	U-NII-2c MIMO ANT 2
Signal	IEEE 802.11 n
Frequency	5500
SAR 10g (W/Kg)	0.082
SAR 1g (W/Kg)	0.347

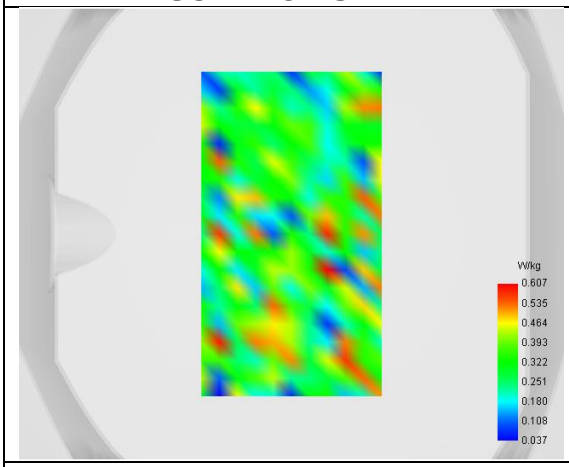
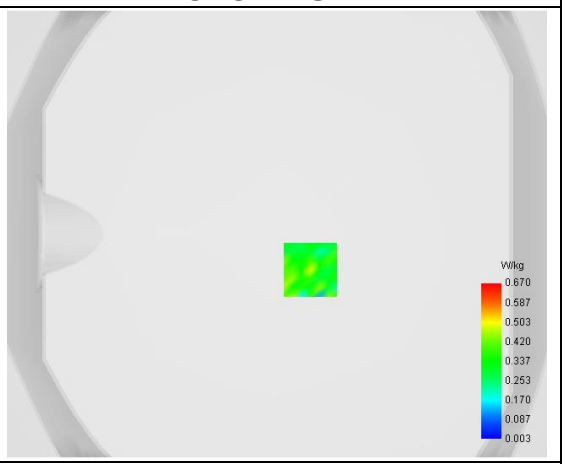
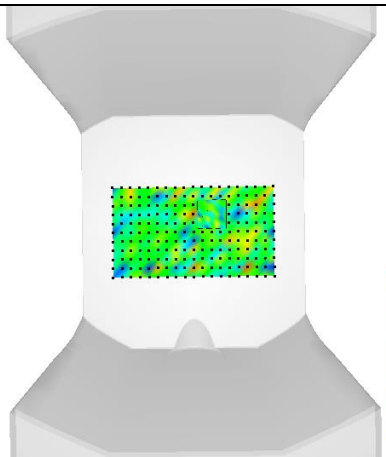
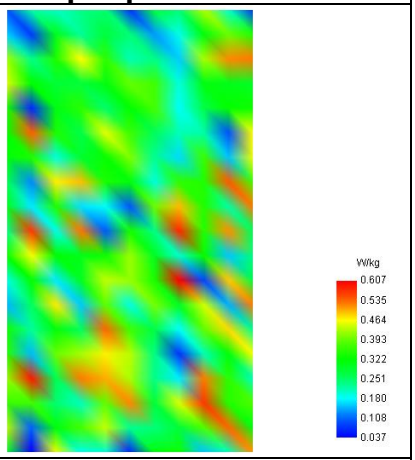
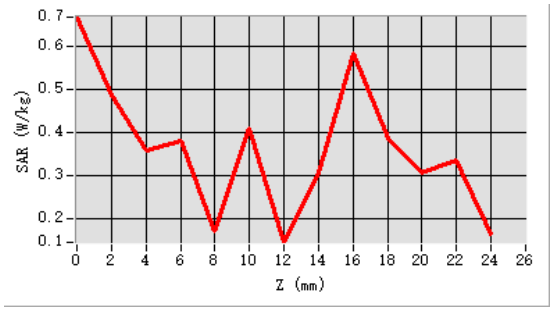
Maximum location: X=-18.00, Y=-24.00 ; SAR Peak: 2.56 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 60:

Test Date	2023-11-07
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	U-NII-2c MIMO ANT 2
Signal	IEEE 802.11 n
Frequency	5500
SAR 10g (W/Kg)	0.196
SAR 1g (W/Kg)	0.361

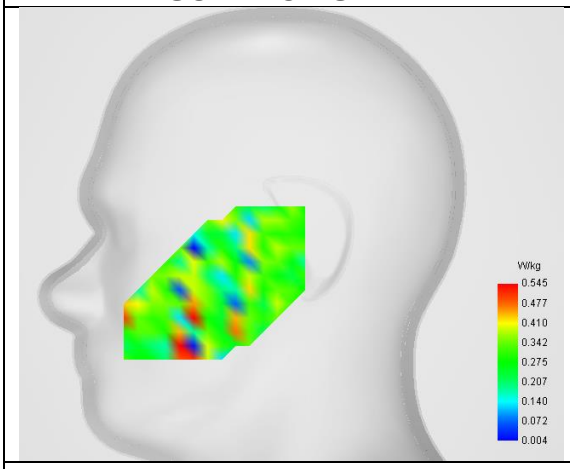
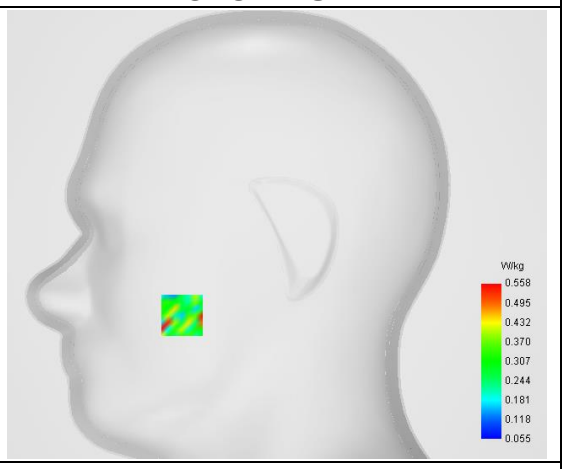
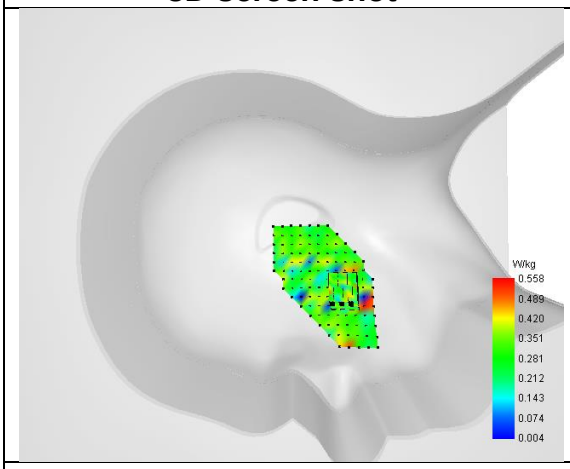
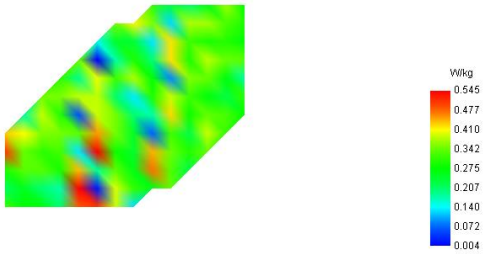
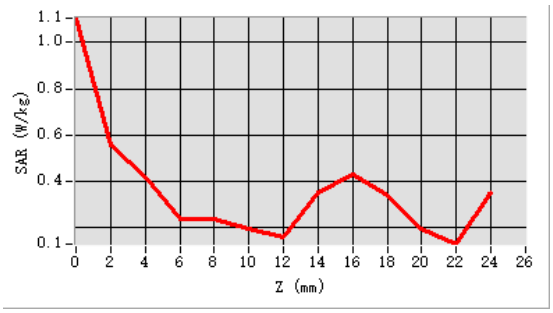
Maximum location: X=15.00, Y=-16.00 ; SAR Peak: 2.11 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 61:

Test Date	2023-11-03
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-3 ANT 1
Signal	IEEE 802.11 a
Frequency	5785
SAR 10g (W/Kg)	0.246
SAR 1g (W/Kg)	0.496

Maximum location: X=-55.00, Y=-47.00 ; SAR Peak: 2.69 W/kg

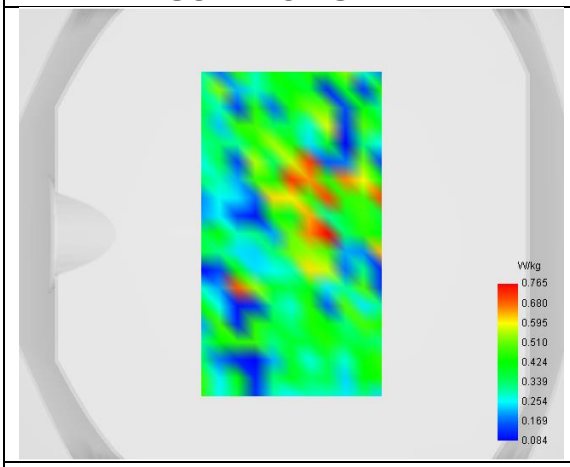
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 62:

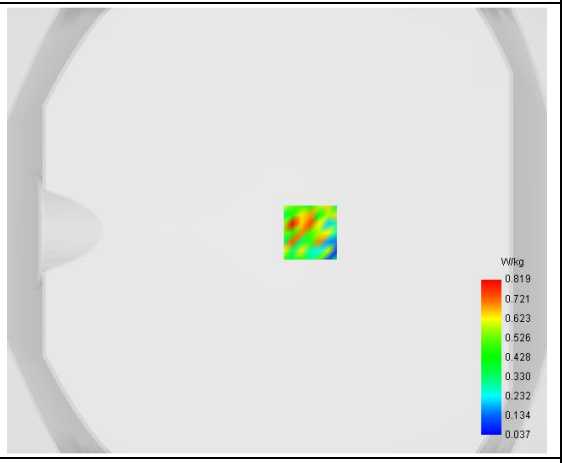
Test Date	2023-11-03
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	U-NII-3 ANT 1
Signal	IEEE 802.11 a
Frequency	5785
SAR 10g (W/Kg)	0.313
SAR 1g (W/Kg)	0.571

Maximum location: X=15.00, Y=-1.00 ; SAR Peak: 2.50 W/kg

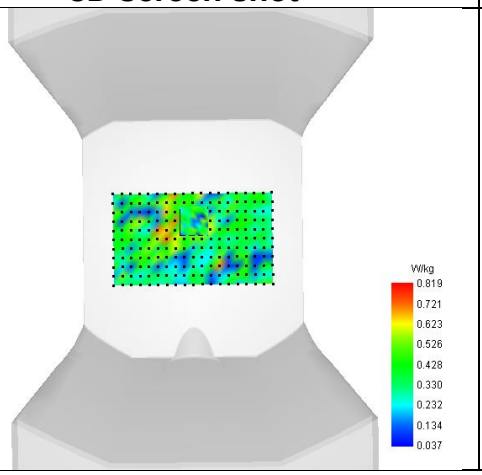
SURFACE SAR



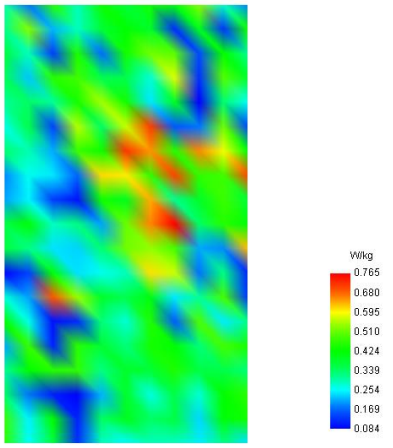
VOLUME SAR

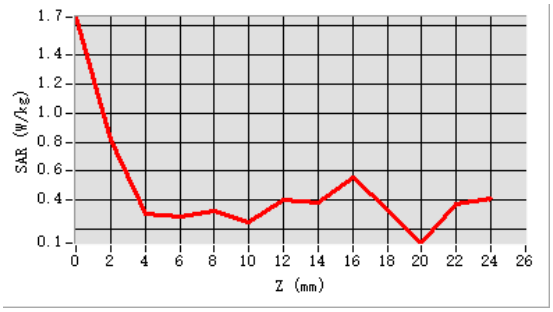


3D screen shot



Hot spot position

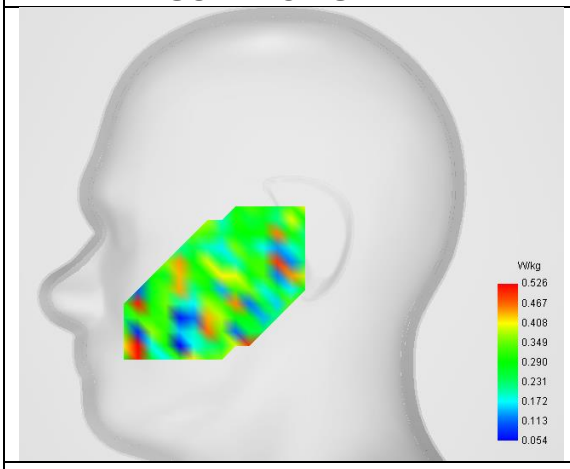
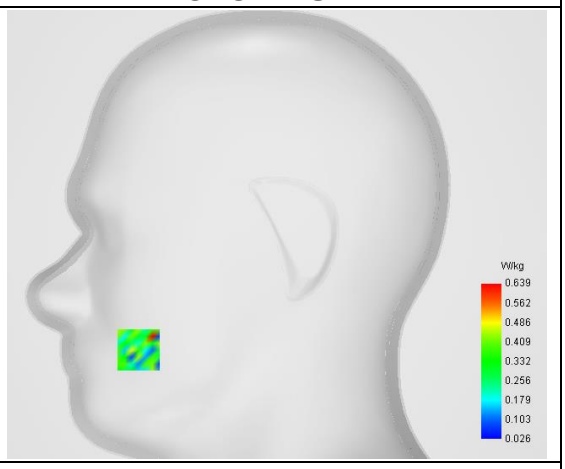
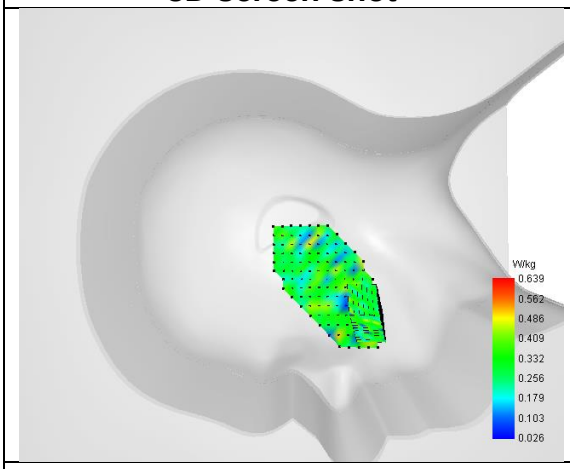
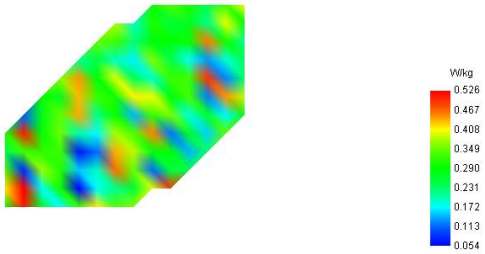


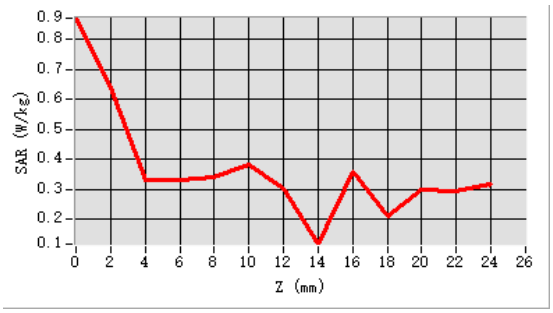


Plot 63:

Test Date	2023-11-03
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-3 ANT 2
Signal	IEEE 802.11 n
Frequency	5785
SAR 10g (W/Kg)	0.218
SAR 1g (W/Kg)	0.544

Maximum location: X=-32.00, Y=-8.00 ; SAR Peak: 0.58 W/kg

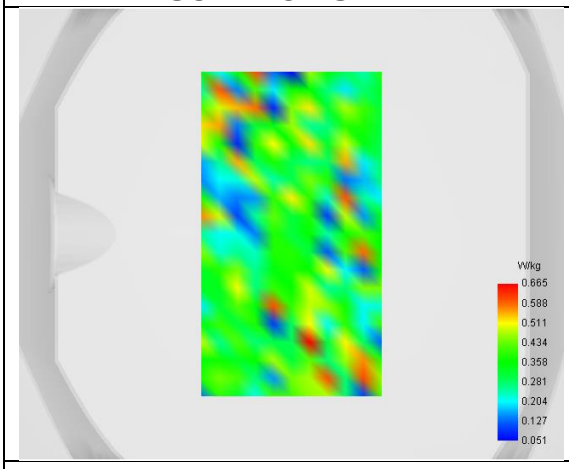
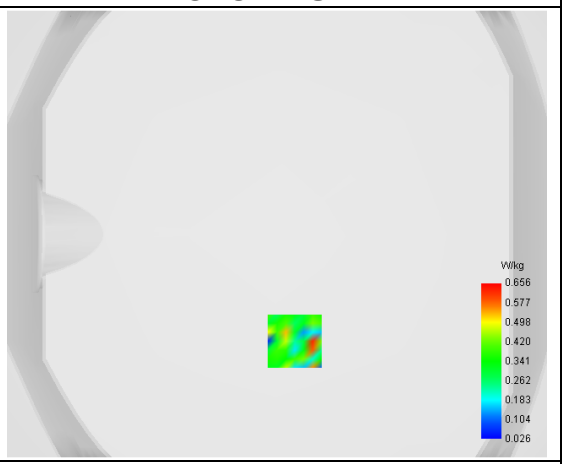
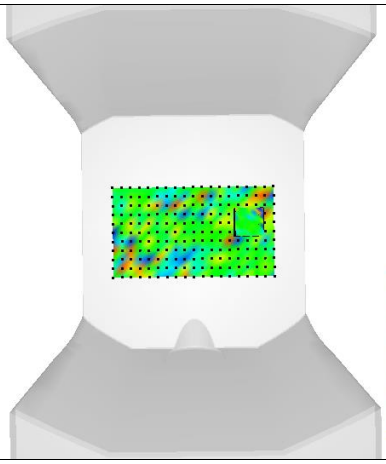
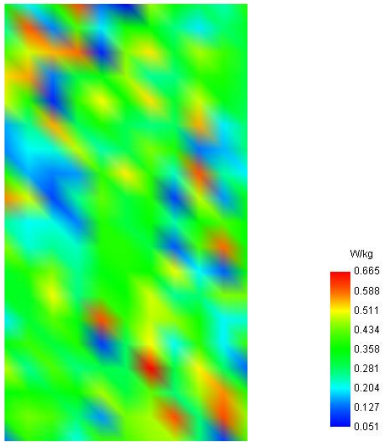
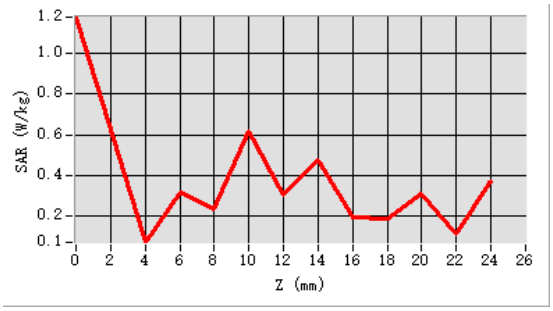
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	



Plot 64:

Test Date	2023-11-03
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	U-NII-3 ANT 2
Signal	IEEE 802.11 n
Frequency	5785
SAR 10g (W/Kg)	0.219
SAR 1g (W/Kg)	0.377

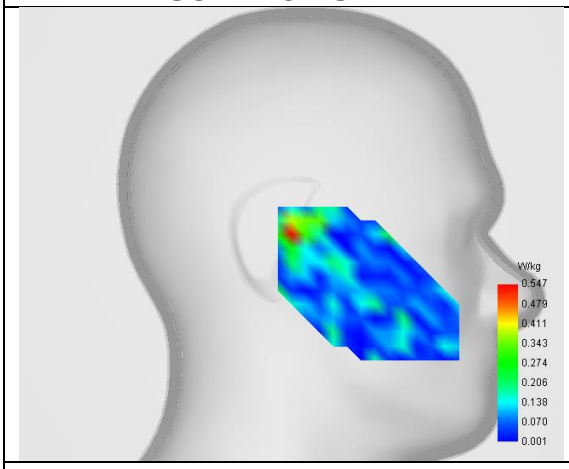
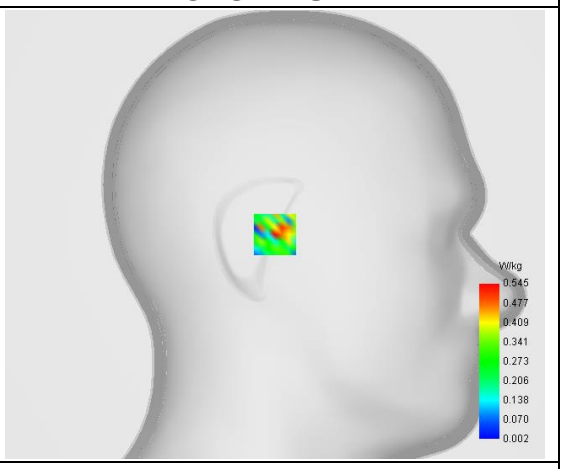
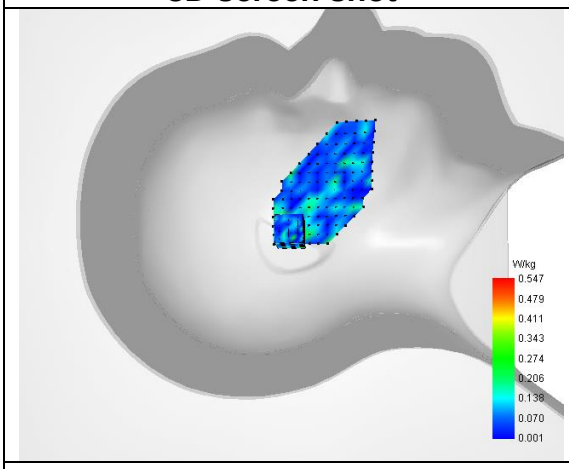
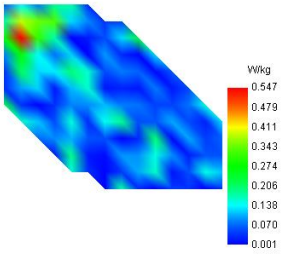
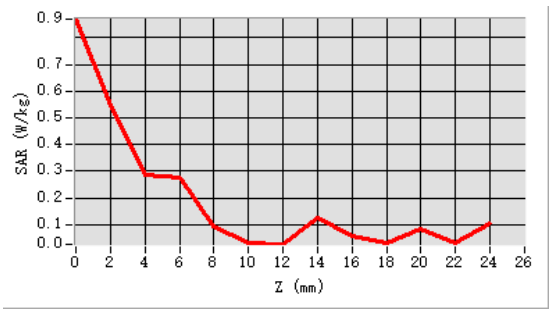
Maximum location: X=8.00, Y=-48.00 ; SAR Peak: 2.04 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 65:

Test Date	2023-11-08
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-3 MIMO ANT 1
Signal	IEEE 802.11 ax
Frequency	5775
SAR 10g (W/Kg)	0.198
SAR 1g (W/Kg)	0.412

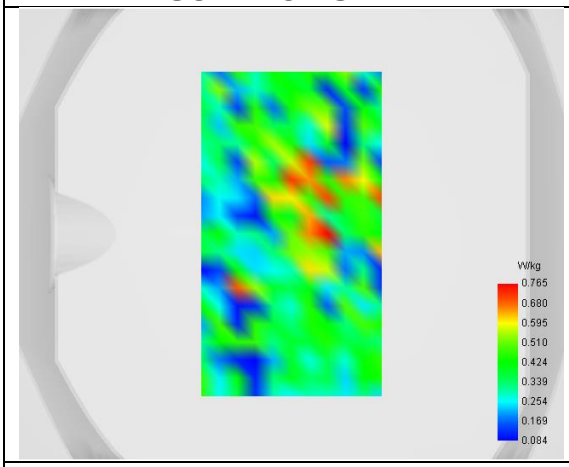
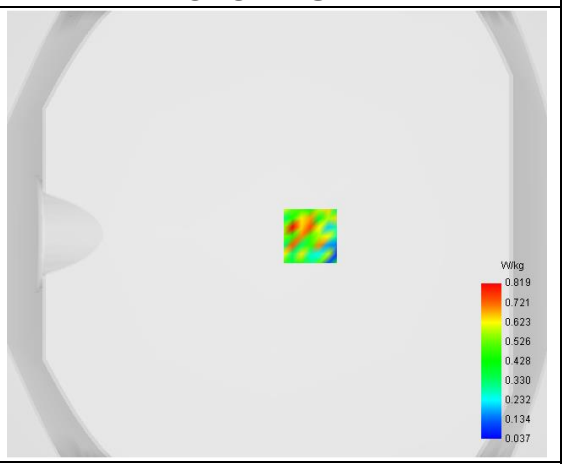
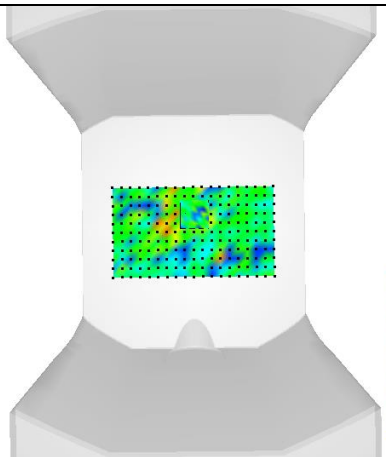
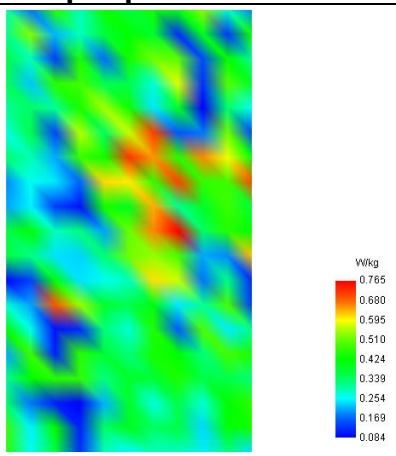
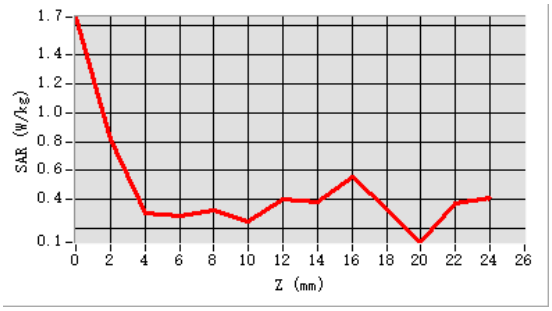
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 2.58 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 66:

Test Date	2023-11-08
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	U-NII-3 MIMO ANT 1
Signal	IEEE 802.11 ax
Frequency	5775
SAR 10g (W/Kg)	0.313
SAR 1g (W/Kg)	0.571

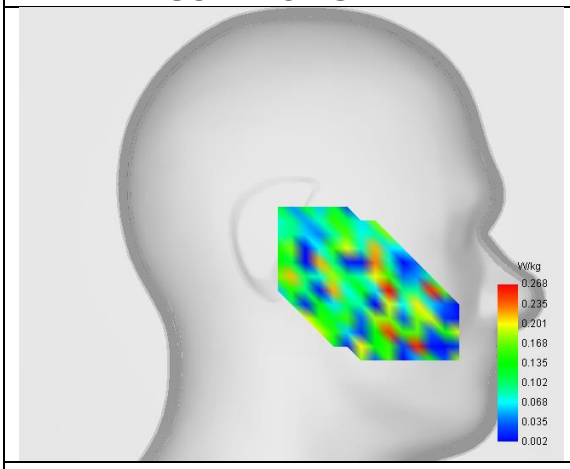
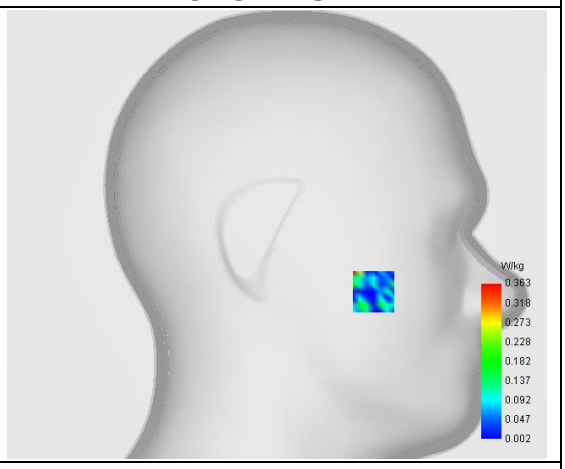
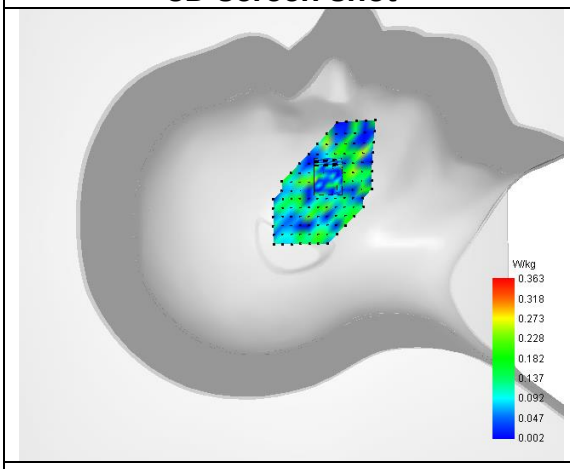
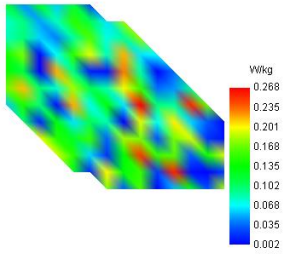
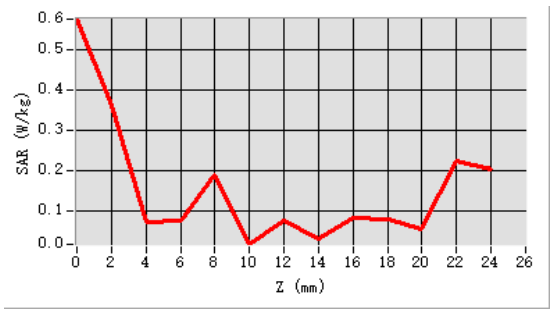
Maximum location: X=15.00, Y=-1.00 ; SAR Peak: 2.50 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 67:

Test Date	2023-11-08
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Tilt
Band	U-NII-3 MIMO ANT 2
Signal	IEEE 802.11 ax
Frequency	5775
SAR 10g (W/Kg)	0.096
SAR 1g (W/Kg)	0.126

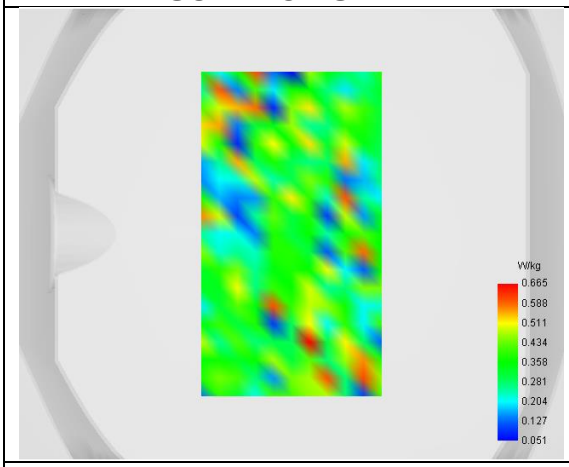
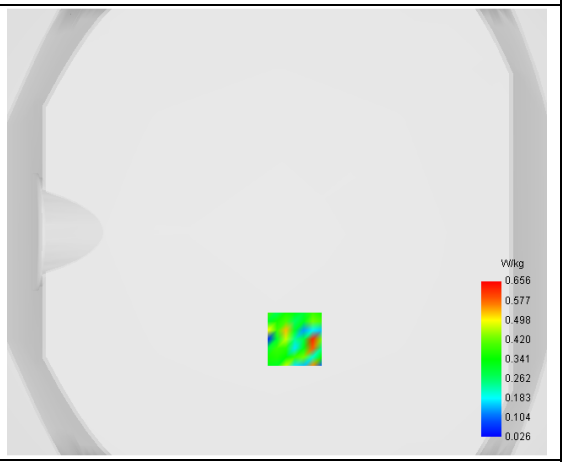
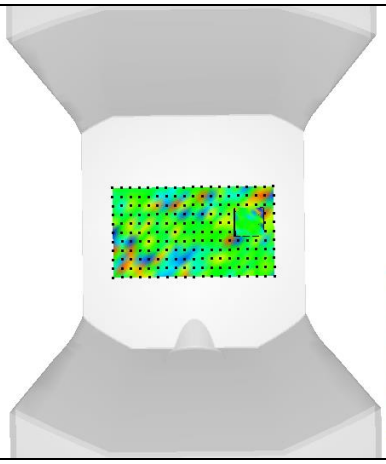
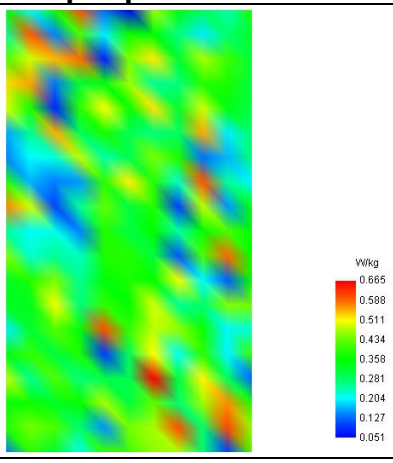
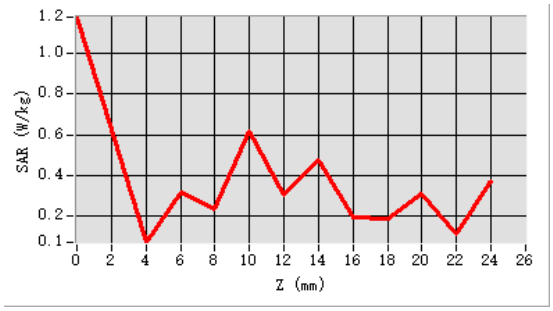
Maximum location: X=-56.00, Y=-33.00 ; SAR Peak: 1.10 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 68:

Test Date	2023-11-08
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	U-NII-3 MIMO ANT 2
Signal	IEEE 802.11 ax
Frequency	5775
SAR 10g (W/Kg)	0.219
SAR 1g (W/Kg)	0.377

Maximum location: X=8.00, Y=-48.00 ; SAR Peak: 2.04 W/kg

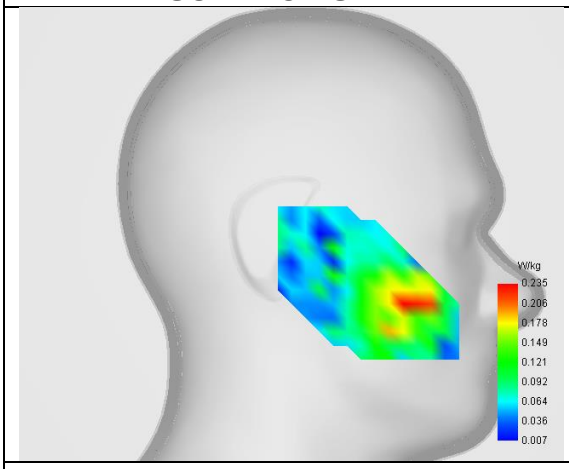
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 69:

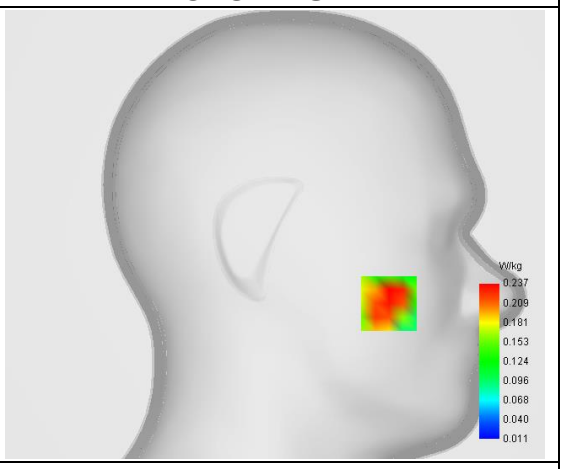
Test Date	2023-10-18
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	NR band 1
Signal	NR FDD
Frequency	1950
SAR 10g (W/Kg)	0.150
SAR 1g (W/Kg)	0.247

Maximum location: X=-66.00, Y=-40.00 ; SAR Peak: 0.44 W/kg

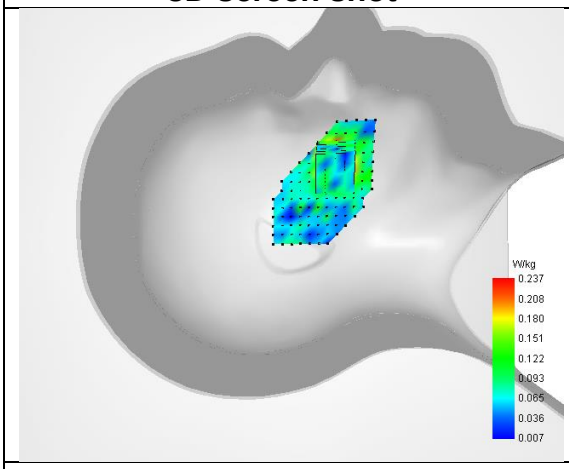
SURFACE SAR



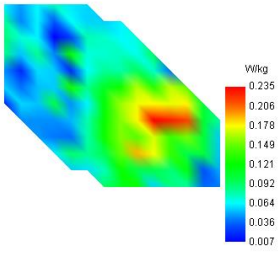
VOLUME SAR

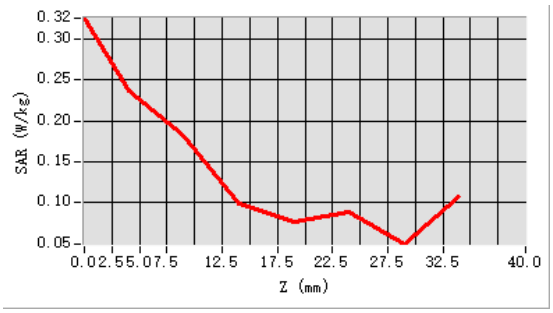


3D screen shot



Hot spot position

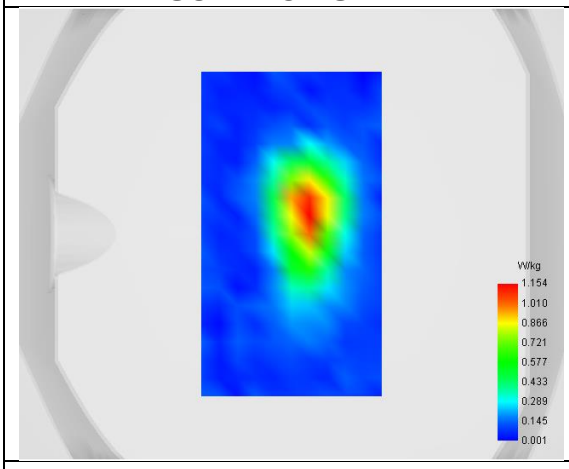
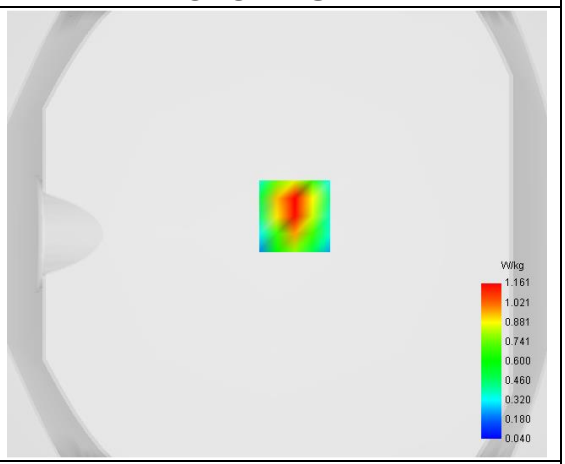
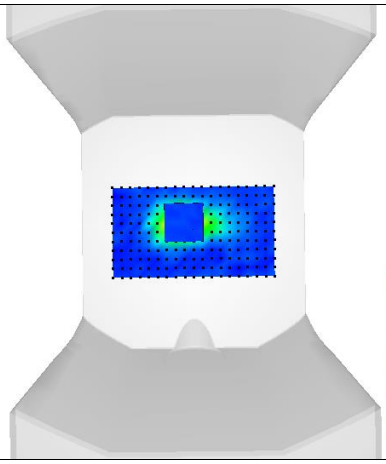
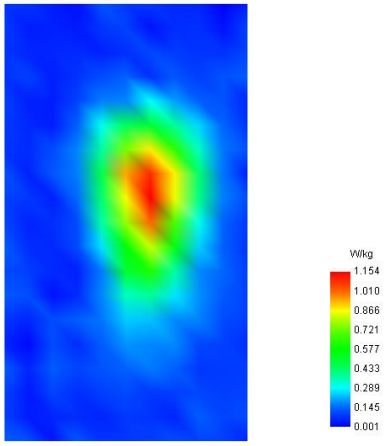
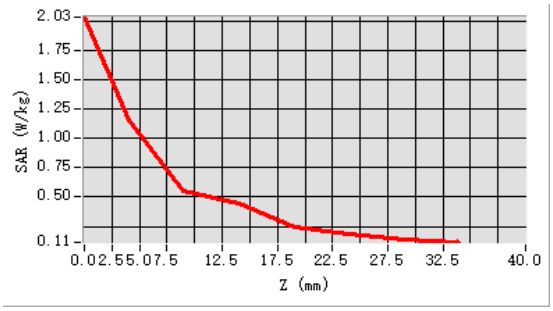




Plot 70:

Test Date	2023-10-18
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	NR band 1
Signal	NR FDD
Frequency	1950
SAR 10g (W/Kg)	0.602
SAR 1g (W/Kg)	1.131

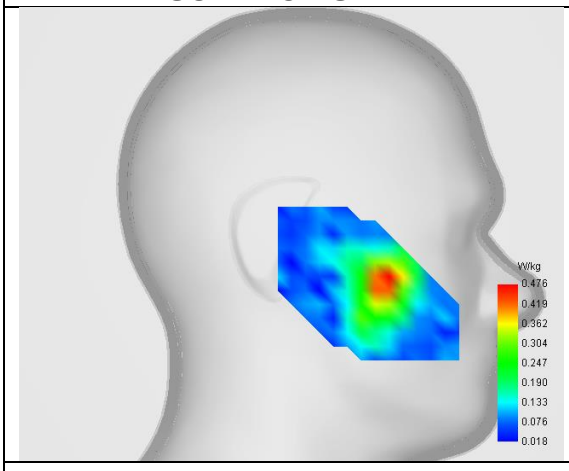
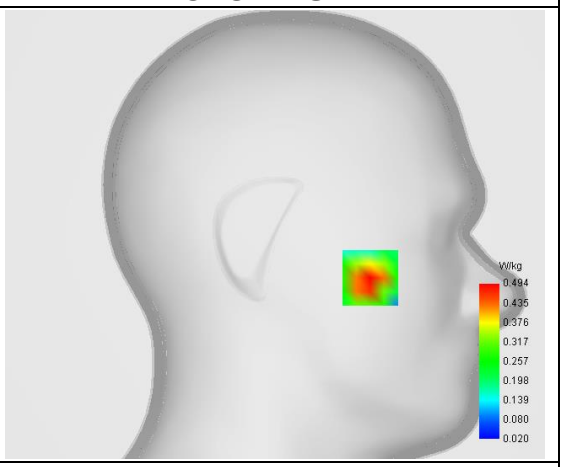
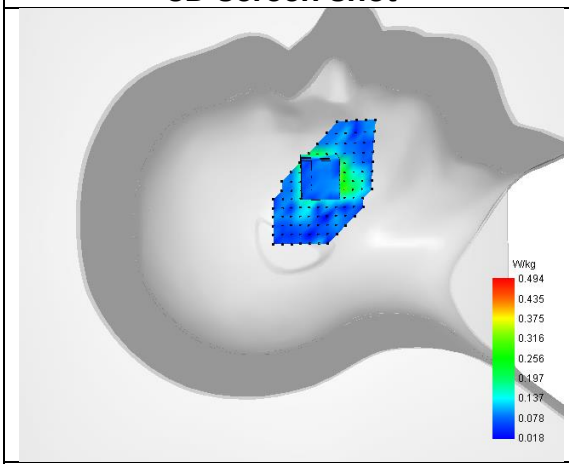
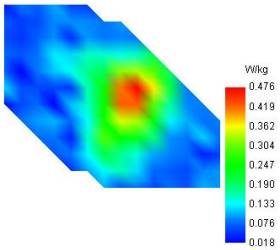
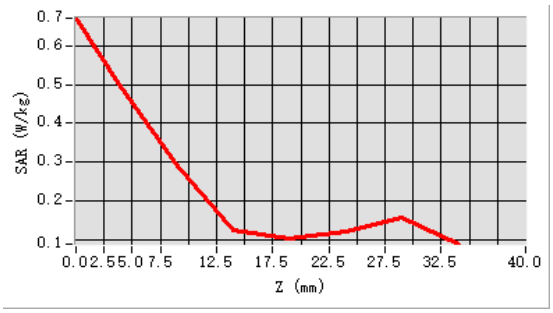
Maximum location: X=8.00, Y=8.00 ; SAR Peak: 1.89 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 71:

Test Date	2023-10-02
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	NR band 3
Signal	NR FDD
Frequency	1747.5
SAR 10g (W/Kg)	0.262
SAR 1g (W/Kg)	0.470

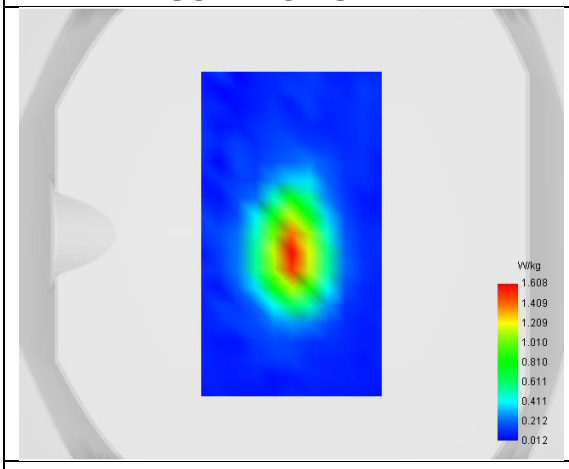
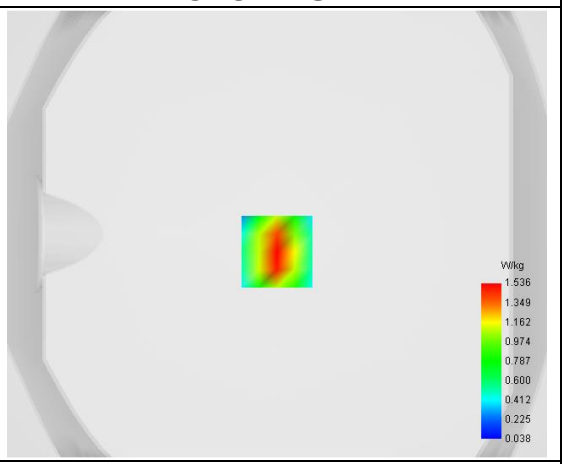
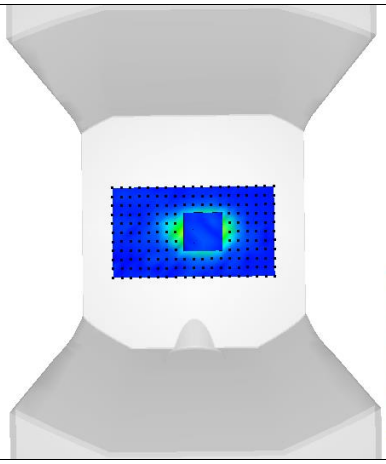
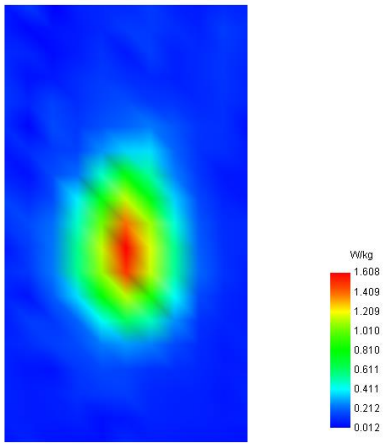
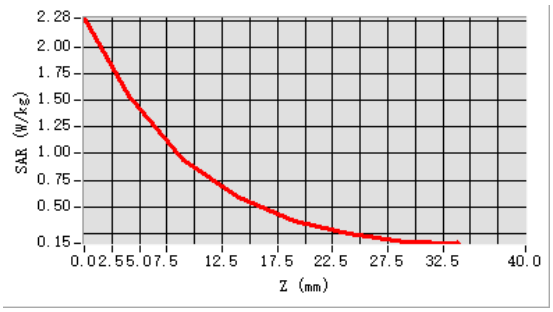
Maximum location: X=-55.00, Y=-25.00 ; SAR Peak: 0.80 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 72:

Test Date	2023-10-02
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	NR band 3
Signal	NR FDD
Frequency	1747.5
SAR 10g (W/Kg)	0.789
SAR 1g (W/Kg)	1.448

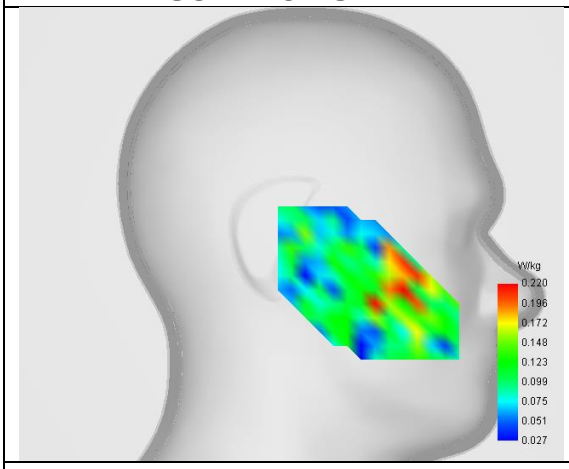
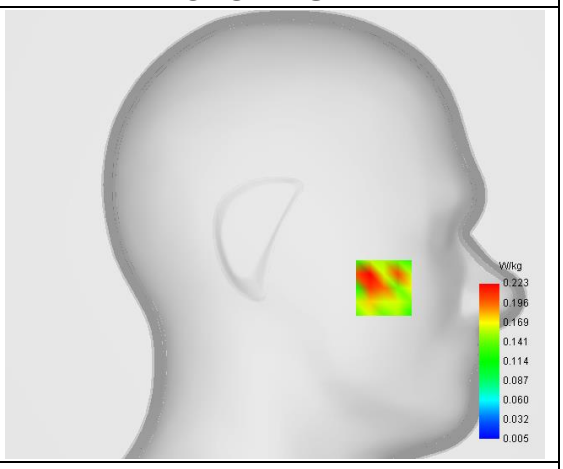
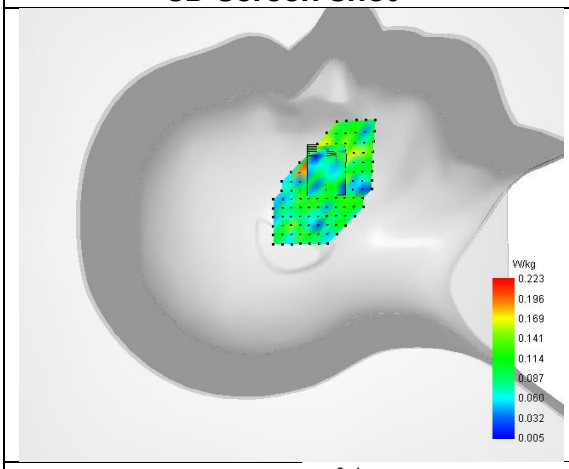
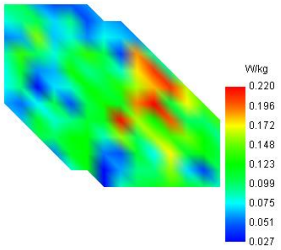
Maximum location: X=0.00, Y=-8.00 ; SAR Peak: 2.35 W/kg

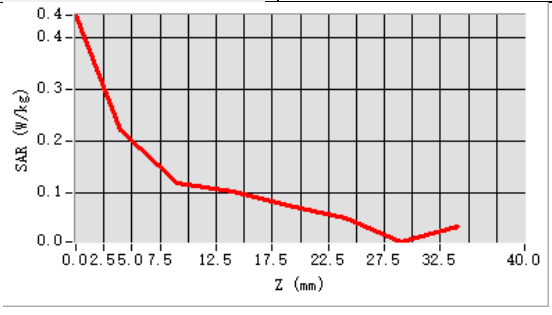
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 73:

Test Date	2023-10-25
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	NR band 7
Signal	NR FDD
Frequency	2560
SAR 10g (W/Kg)	0.116
SAR 1g (W/Kg)	0.205

Maximum location: X=-63.00, Y=-31.00 ; SAR Peak: 0.40 W/kg

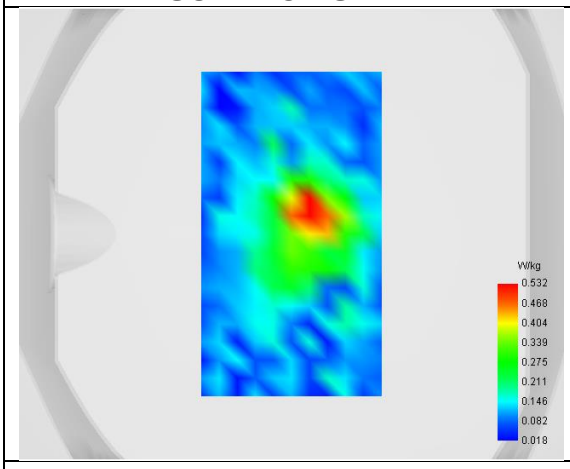
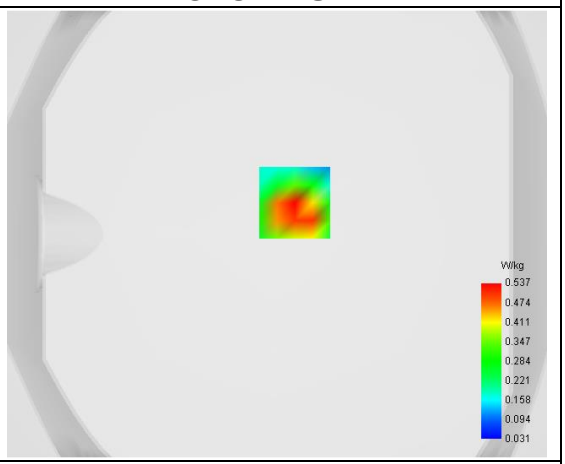
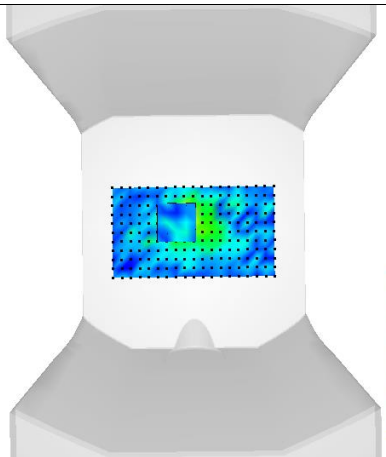
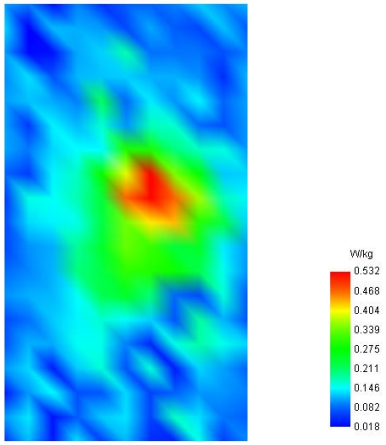
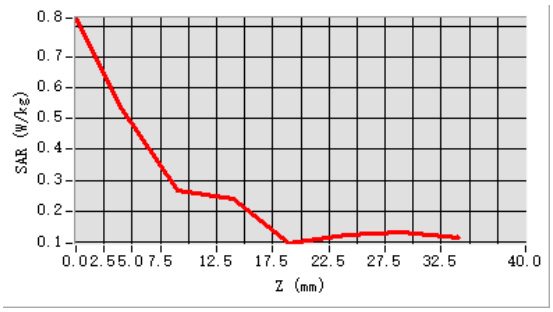
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	



Plot 74:

Test Date	2023-10-25
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	NR band 7
Signal	NR FDD
Frequency	2560
SAR 10g (W/Kg)	0.275
SAR 1g (W/Kg)	0.515

Maximum location: X=8.00, Y=14.00 ; SAR Peak: 0.92 W/kg

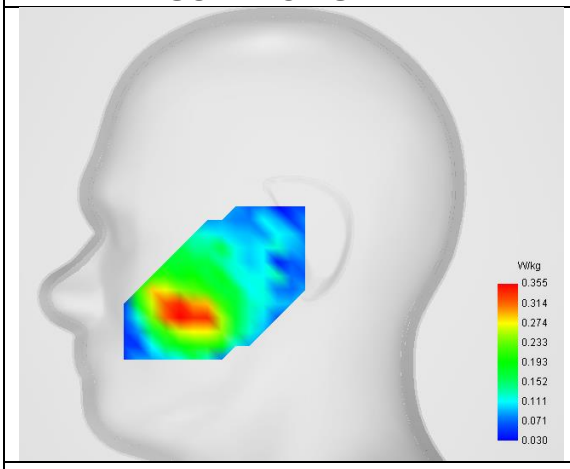
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 75:

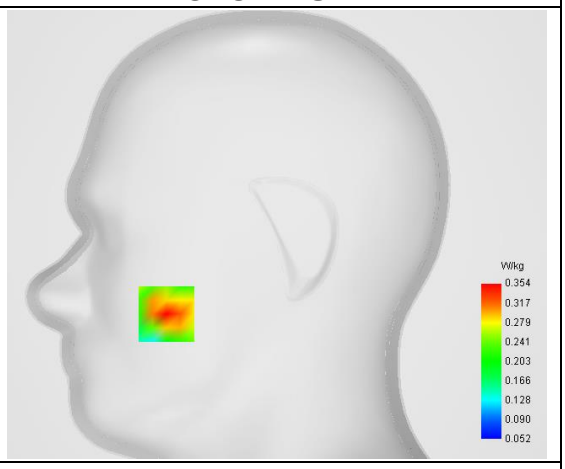
Test Date	2023-09-29
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	NR band 8
Signal	NR FDD
Frequency	890
SAR 10g (W/Kg)	0.204
SAR 1g (W/Kg)	0.323

Maximum location: X=-64.00, Y=-46.00 ; SAR Peak: 0.58 W/kg

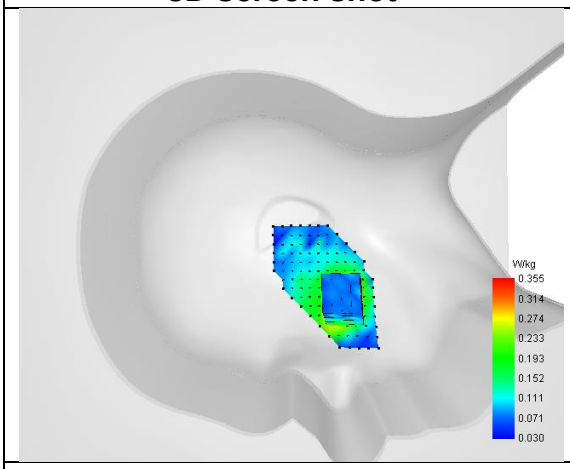
SURFACE SAR



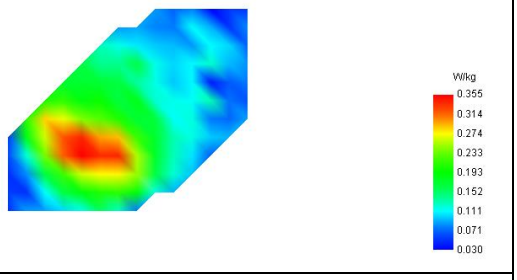
VOLUME SAR

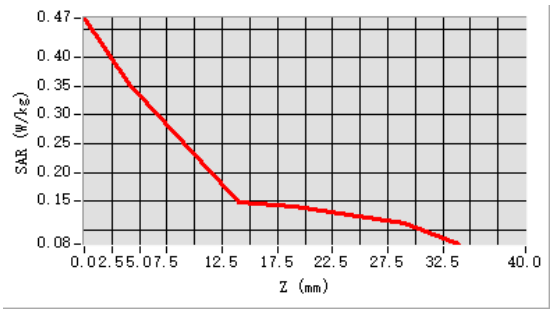


3D screen shot



Hot spot position

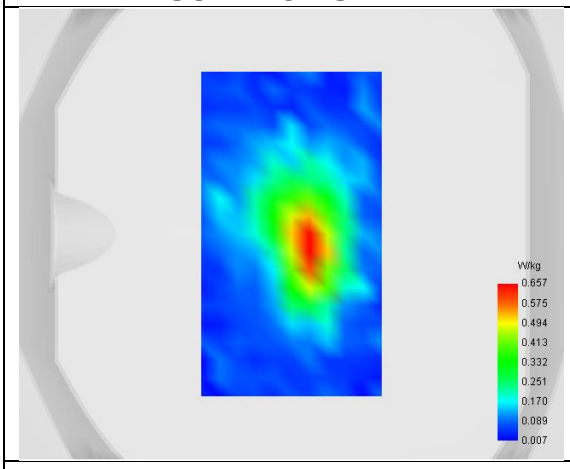
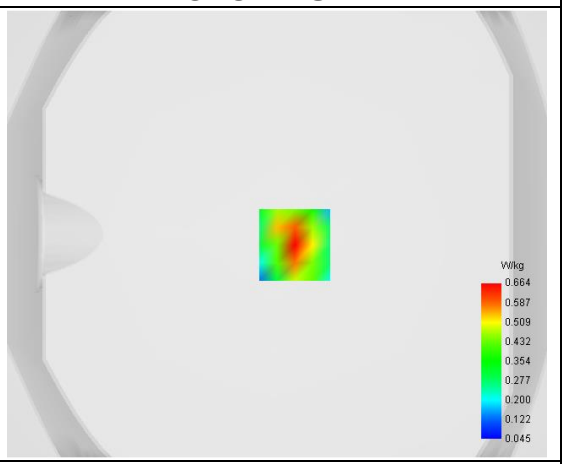
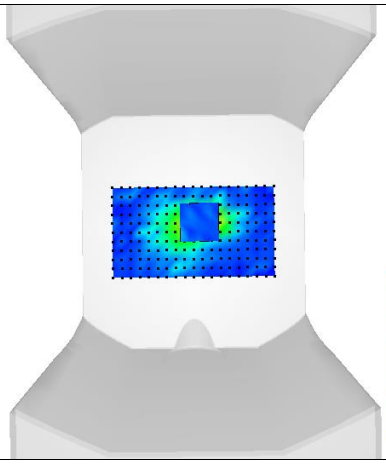
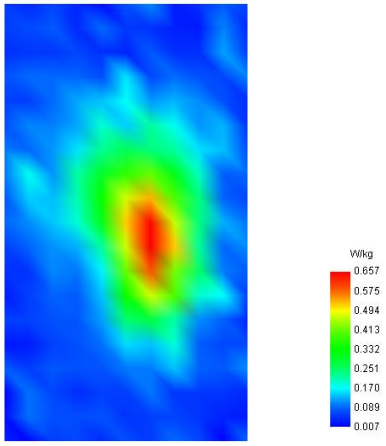
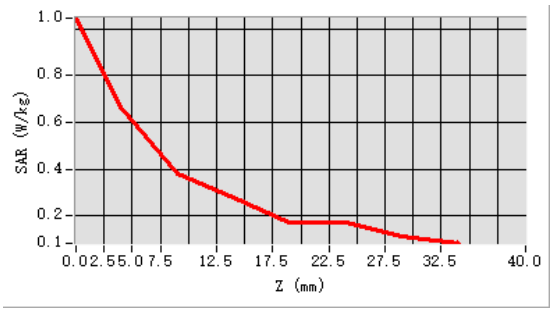




Plot 76:

Test Date	2023-09-29
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	NR band 8
Signal	NR FDD
Frequency	890
SAR 10g (W/Kg)	0.349
SAR 1g (W/Kg)	0.616

Maximum location: X=8.00, Y=-5.00 ; SAR Peak: 1.04 W/kg

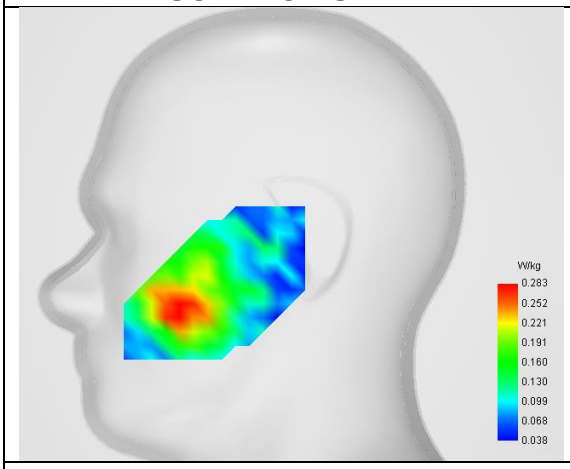
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 77:

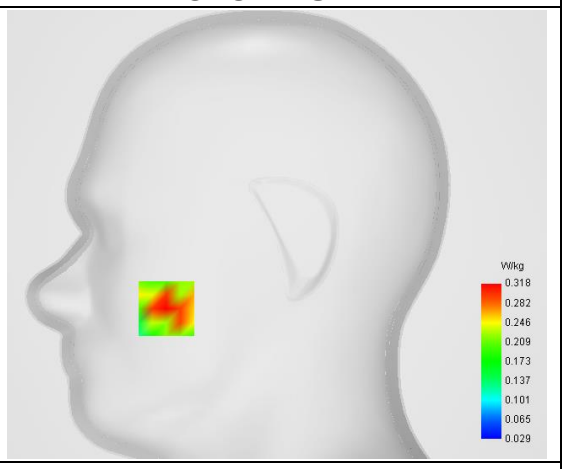
Test Date	2023-09-29
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	NR band 20
Signal	NR FDD
Frequency	842
SAR 10g (W/Kg)	0.028
SAR 1g (W/Kg)	0.034

Maximum location: X=-64.00, Y=-43.00 ; SAR Peak: 0.53 W/kg

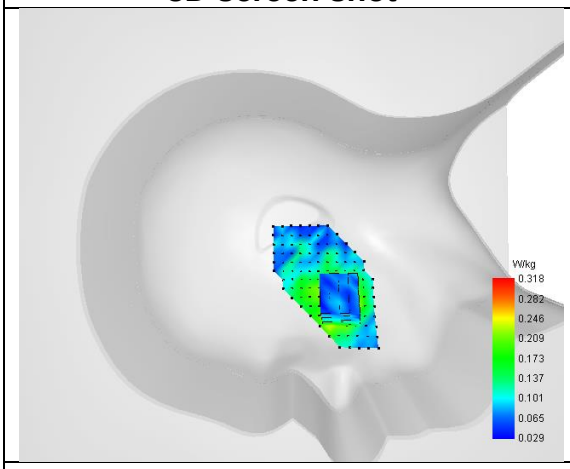
SURFACE SAR



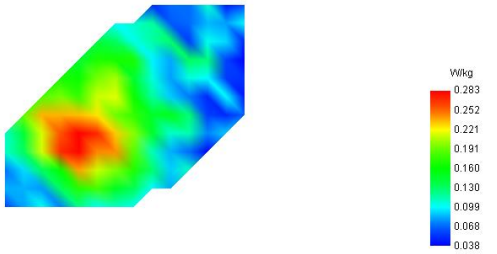
VOLUME SAR

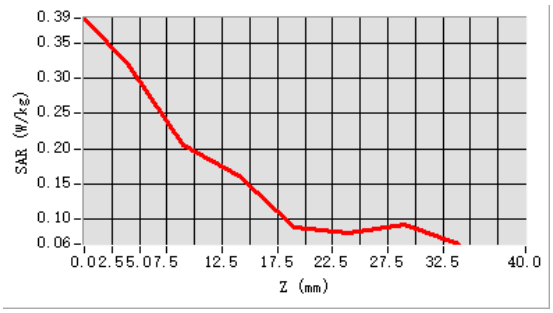


3D screen shot



Hot spot position

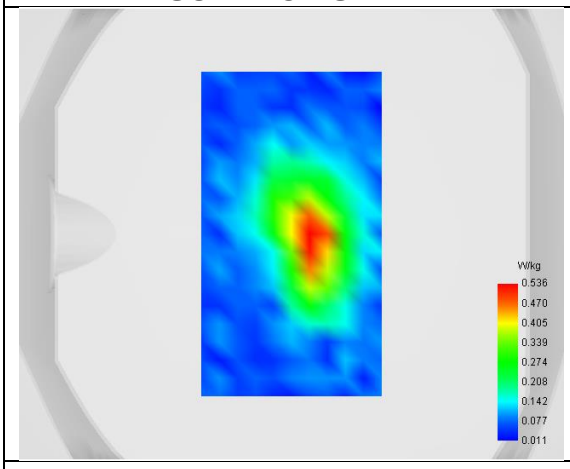
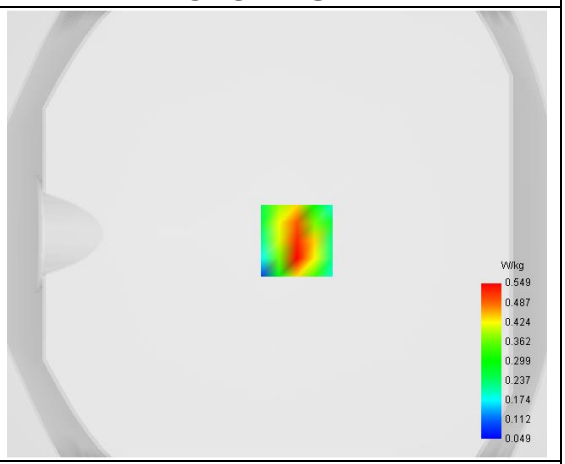
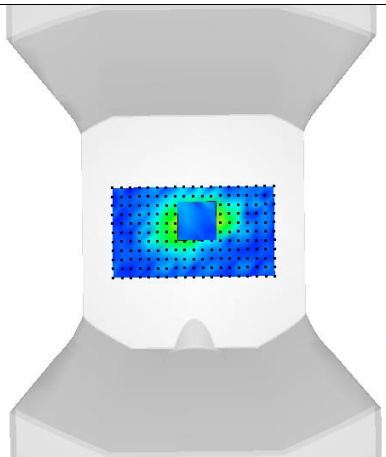
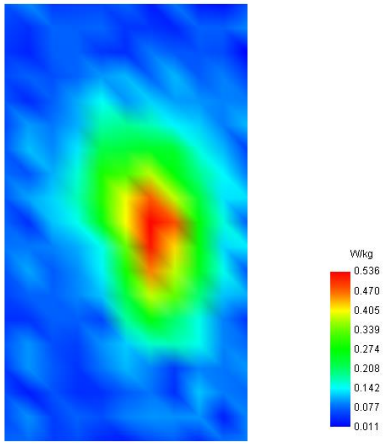
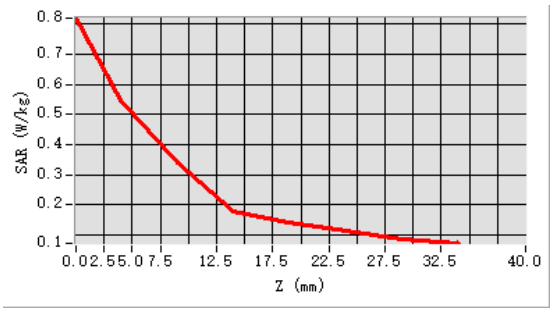




Plot 78:

Test Date	2023-09-29
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	NR band 20
Signal	NR FDD
Frequency	842
SAR 10g (W/Kg)	0.304
SAR 1g (W/Kg)	0.521

Maximum location: X=9.00, Y=-3.00 ; SAR Peak: 0.87 W/kg

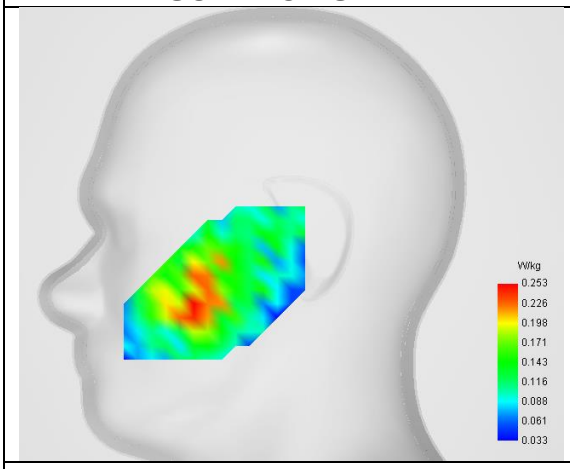
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 79:

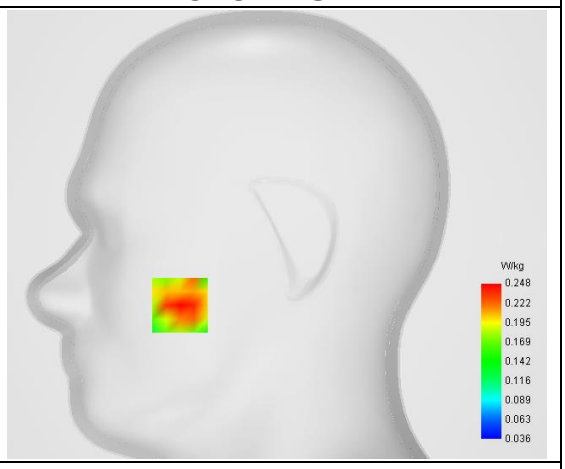
Test Date	2023-10-16
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	NR band 28
Signal	NR FDD
Frequency	712
SAR 10g (W/Kg)	0.162
SAR 1g (W/Kg)	0.244

Maximum location: X=-56.00, Y=-41.00 ; SAR Peak: 0.41 W/kg

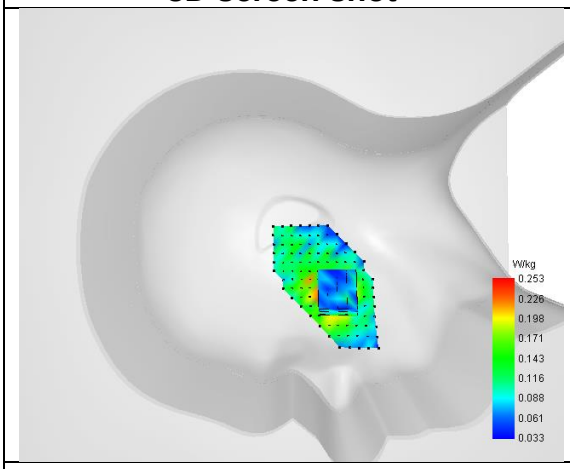
SURFACE SAR



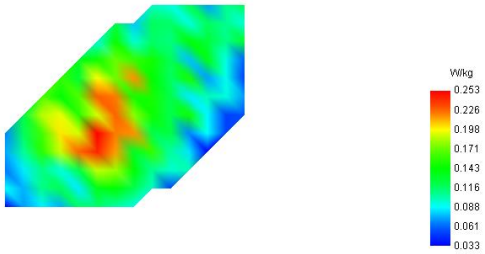
VOLUME SAR

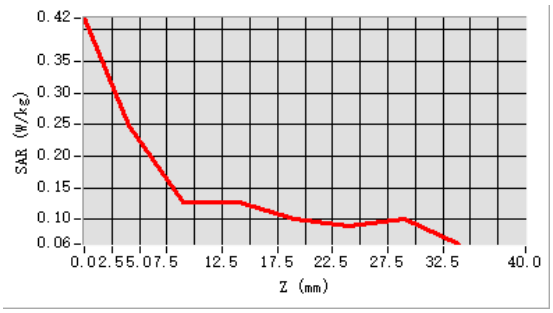


3D screen shot



Hot spot position

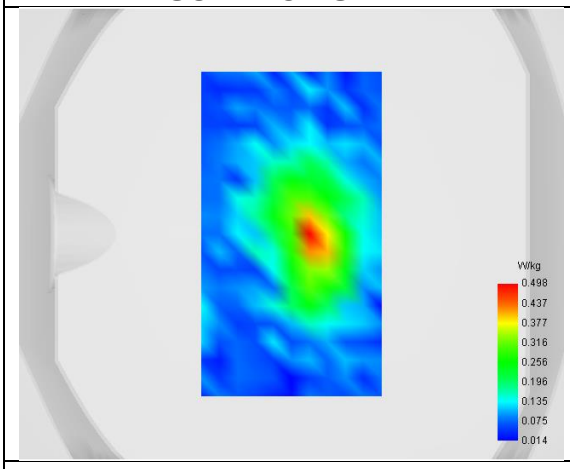
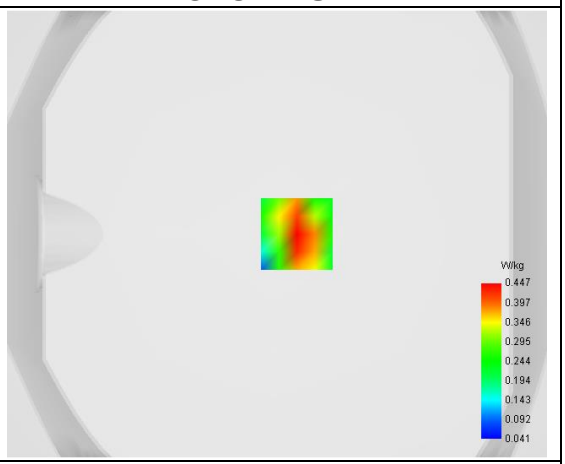
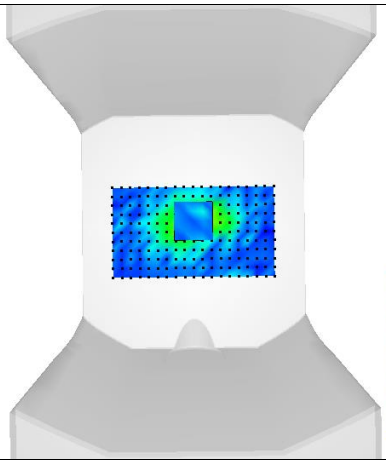
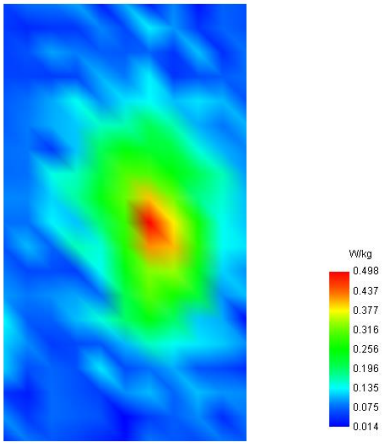
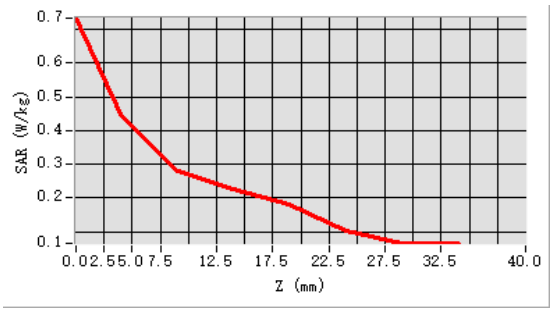




Plot 80:

Test Date	2023-10-16
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	NR band 28
Signal	NR FDD
Frequency	712
SAR 10g (W/Kg)	0.271
SAR 1g (W/Kg)	0.473

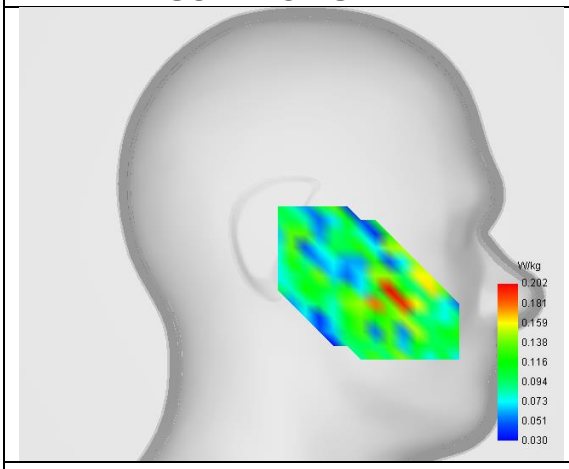
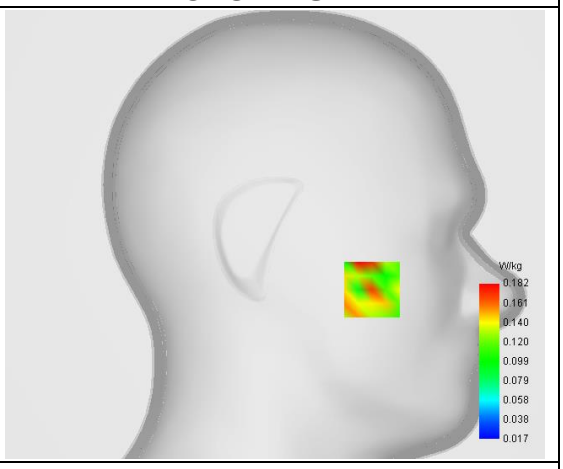
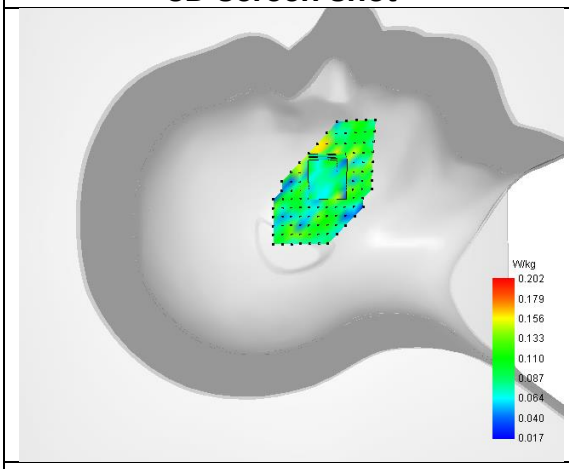
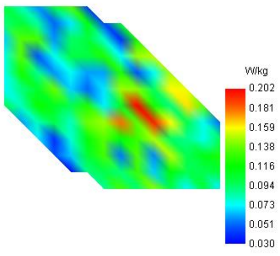
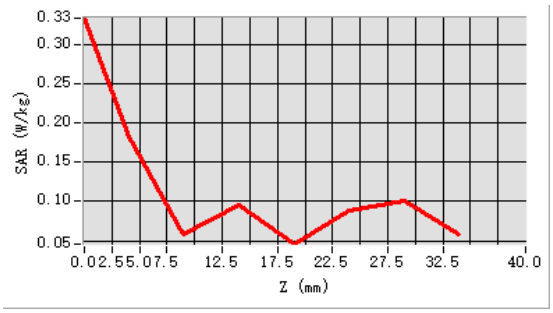
Maximum location: X=9.00, Y=0.00 ; SAR Peak: 0.72 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 81:

Test Date	2023-10-26
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	NR band 38
Signal	NR TDD
Frequency	2590
SAR 10g (W/Kg)	0.086
SAR 1g (W/Kg)	0.177

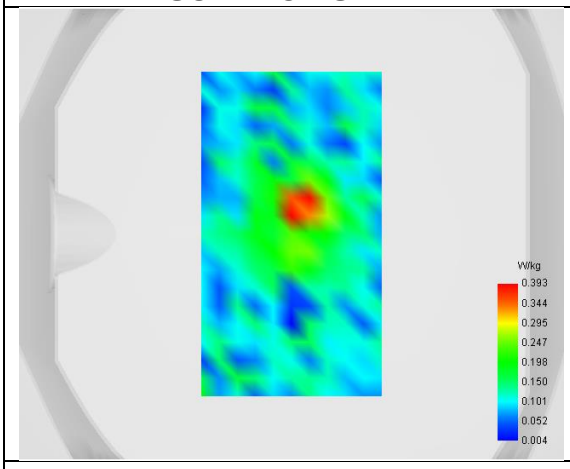
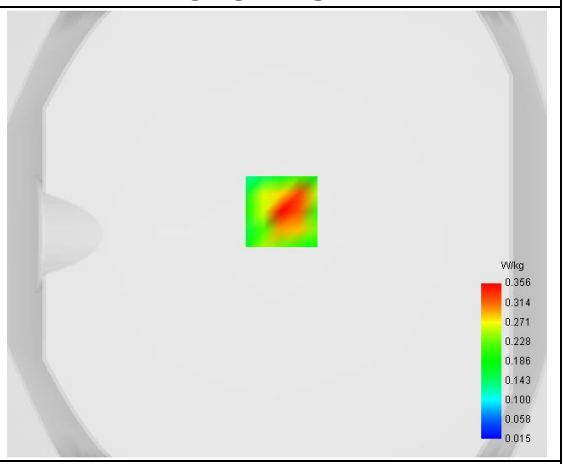
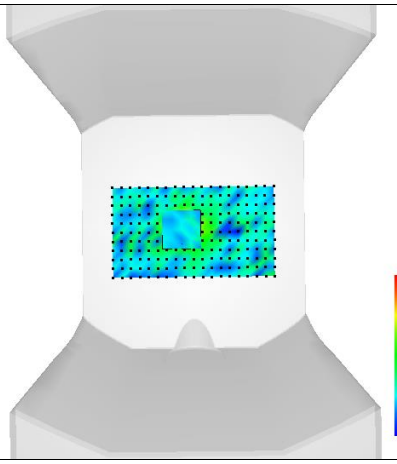
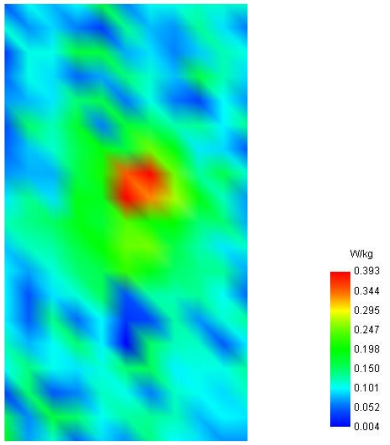
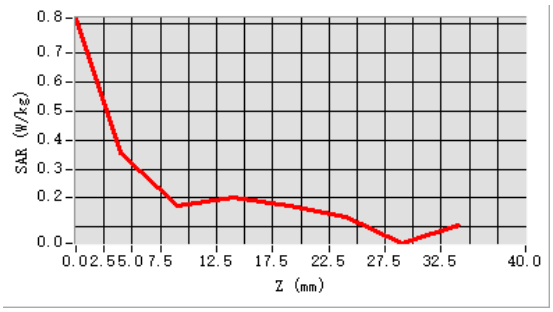
Maximum location: X=-56.00, Y=-32.00 ; SAR Peak: 0.40 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 82:

Test Date	2023-10-26
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	NR band 38
Signal	NR TDD
Frequency	2590
SAR 10g (W/Kg)	0.198
SAR 1g (W/Kg)	0.384

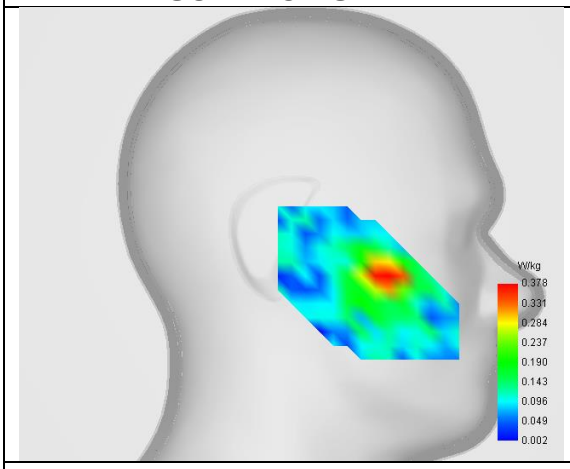
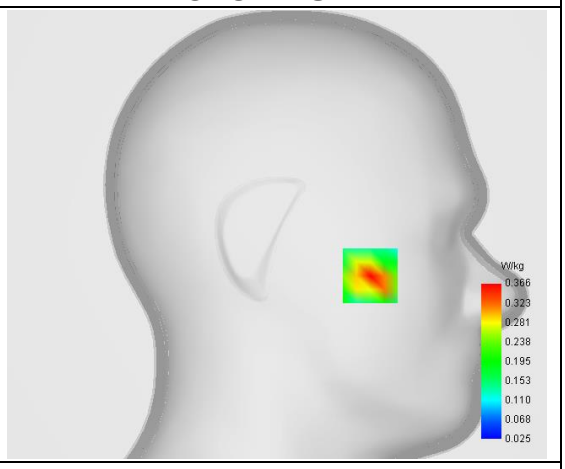
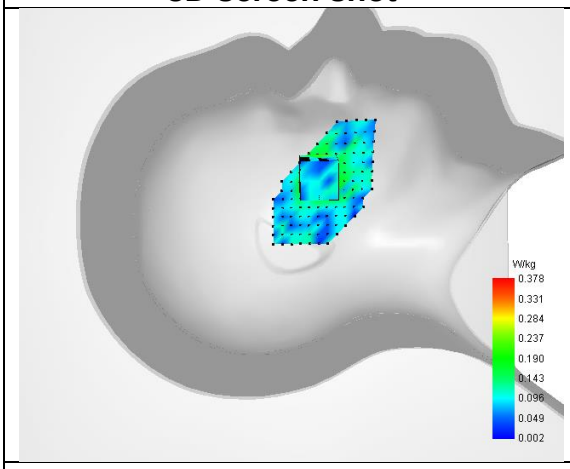
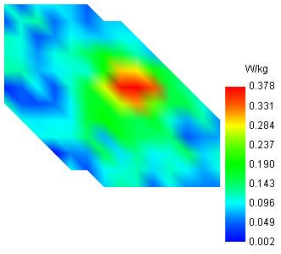
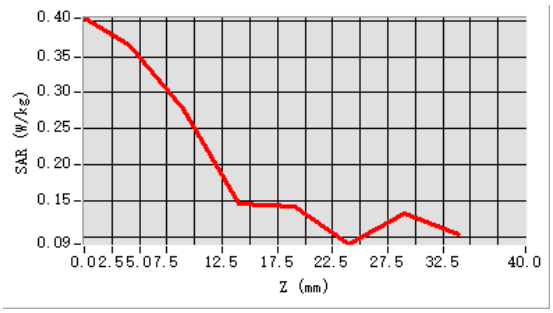
Maximum location: X=2.00, Y=10.00 ; SAR Peak: 0.80 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 83:

Test Date	2023-10-23
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	NR band 40
Signal	NR TDD
Frequency	2340
SAR 10g (W/Kg)	0.199
SAR 1g (W/Kg)	0.336

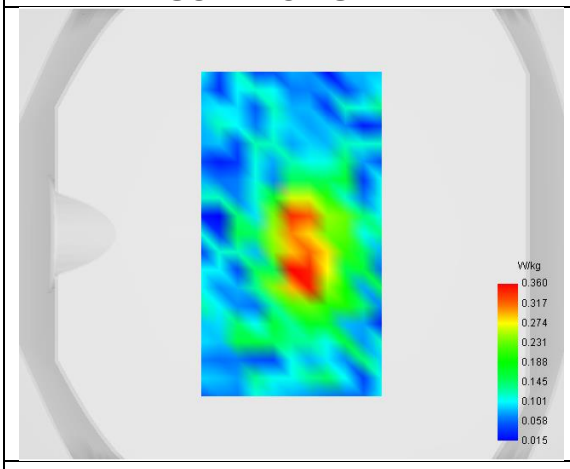
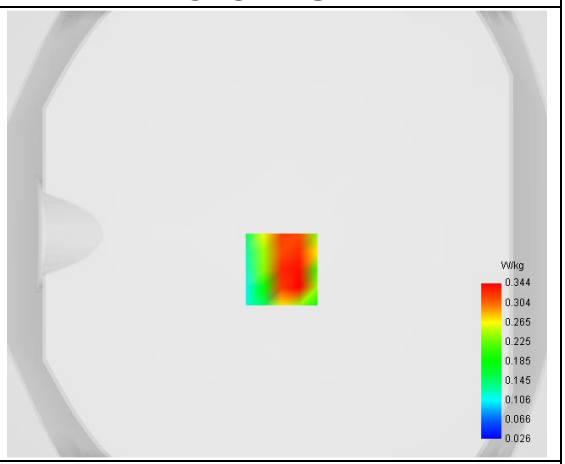
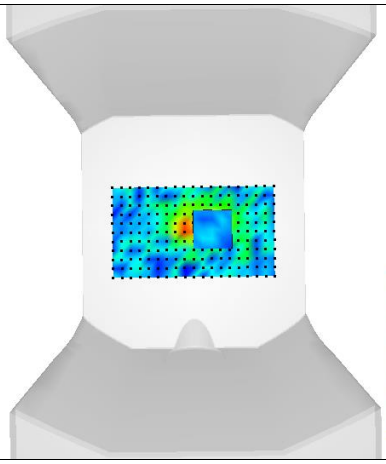
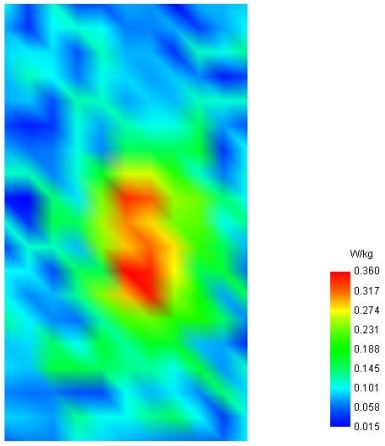
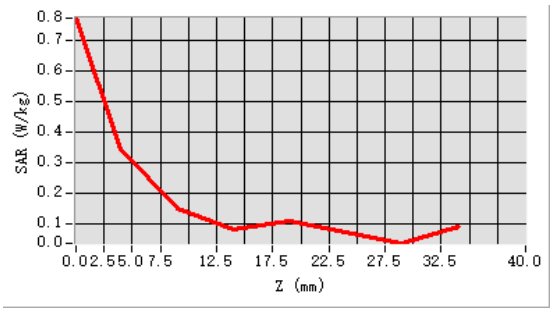
Maximum location: X=-54.00, Y=-24.00 ; SAR Peak: 0.58 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 84:

Test Date	2023-10-23
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	NR band 40
Signal	NR TDD
Frequency	2340
SAR 10g (W/Kg)	0.197
SAR 1g (W/Kg)	0.322

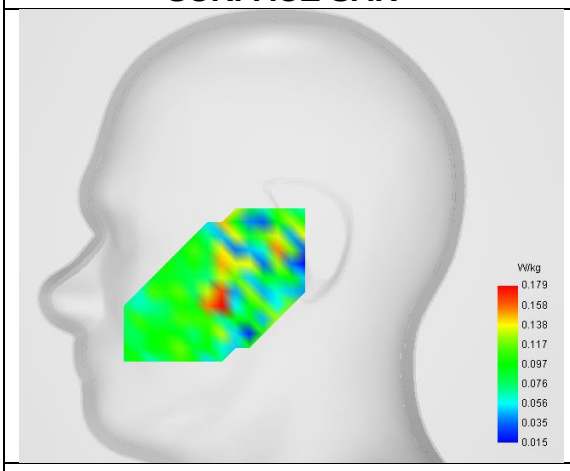
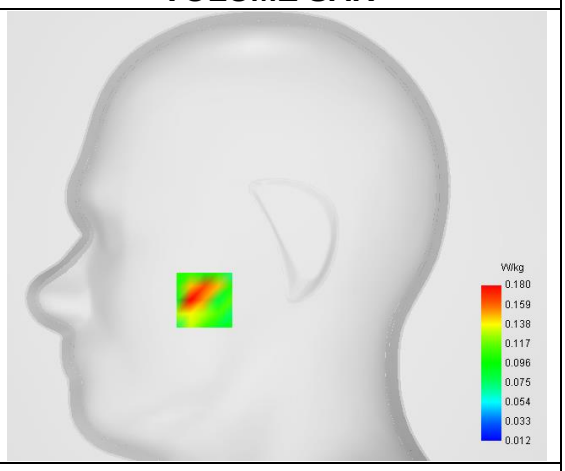
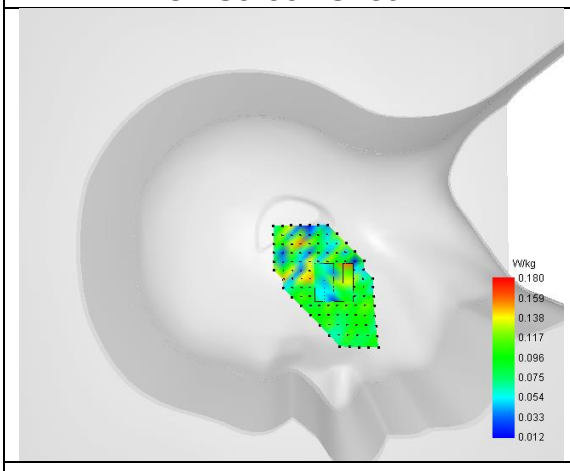
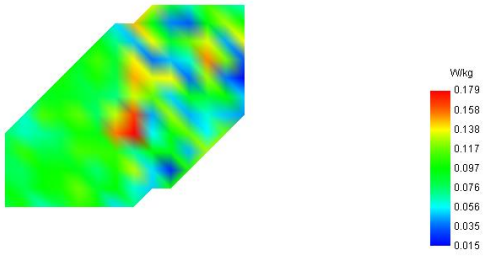
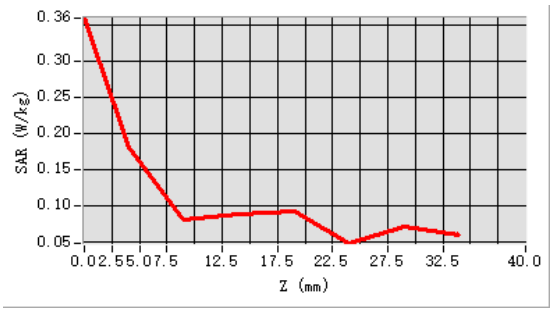
Maximum location: X=2.00, Y=-16.00 ; SAR Peak: 0.53 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 85:

Test Date	2023-10-26
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	NR band 41
Signal	NR TDD
Frequency	2640
SAR 10g (W/Kg)	0.105
SAR 1g (W/Kg)	0.193

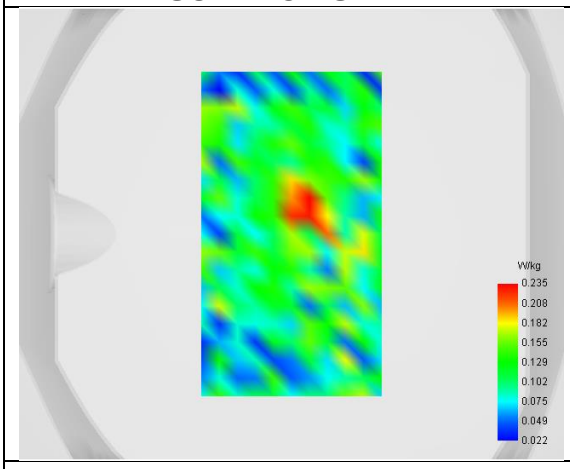
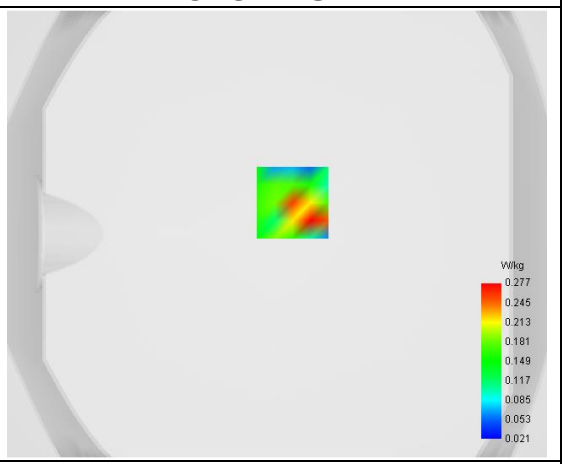
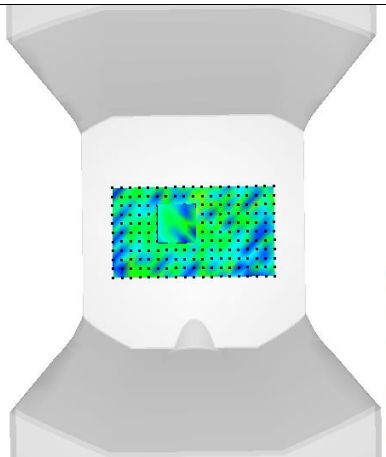
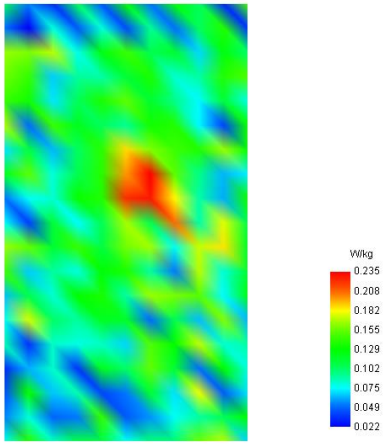
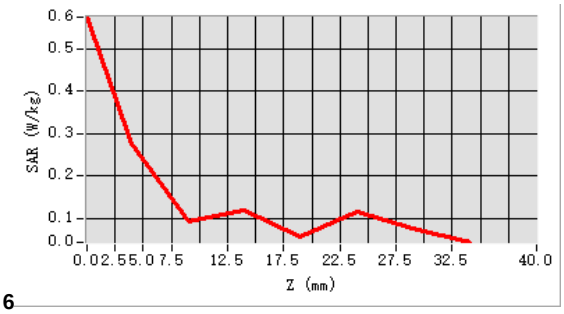
Maximum location: X=-42.00, Y=-37.00 ; SAR Peak: 0.41 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 86:

Test Date	2023-10-26
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Edge
Band	NR band 41
Signal	NR TDD
Frequency	2640
SAR 10g (W/Kg)	0.160
SAR 1g (W/Kg)	0.315

Maximum location: X=7.00, Y=14.00 ; SAR Peak: 0.71 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

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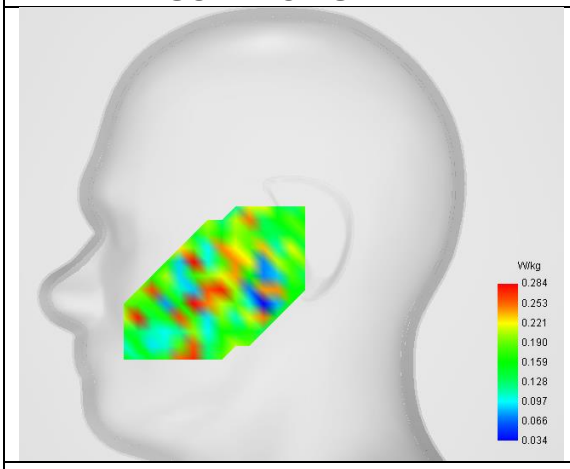
Plot 87:

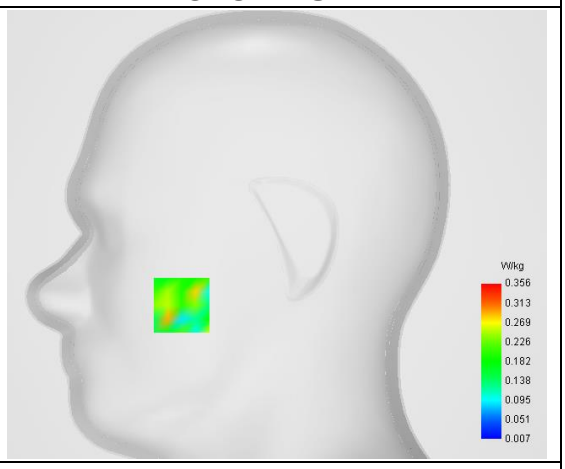
Test Date	2023-10-27
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Cheek
Band	NR band 77
Signal	NR TDD
Frequency	3345
SAR 10g (W/Kg)	0.178
SAR 1g (W/Kg)	0.234

Maximum location: X=-55.00, Y=-41.00 ; SAR Peak: 0.65 W/kg

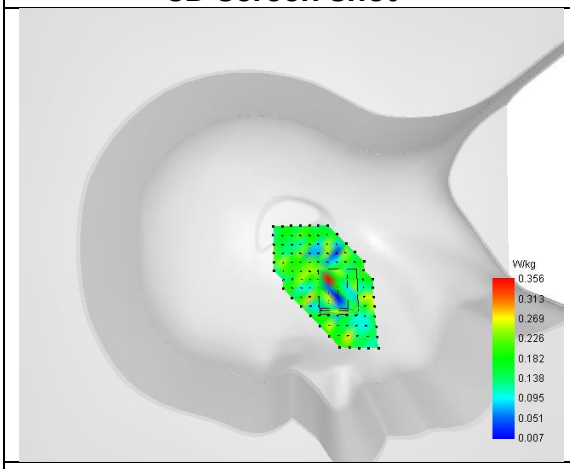
SURFACE SAR



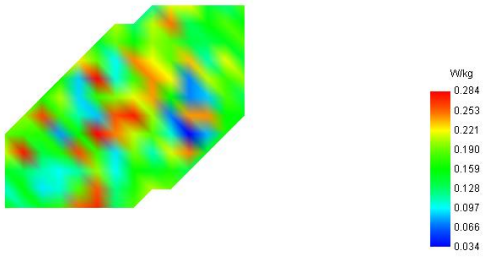
VOLUME SAR

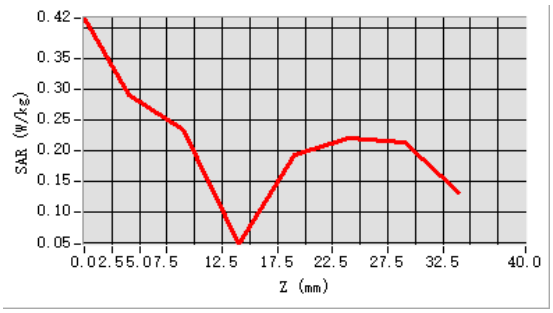


3D screen shot



Hot spot position

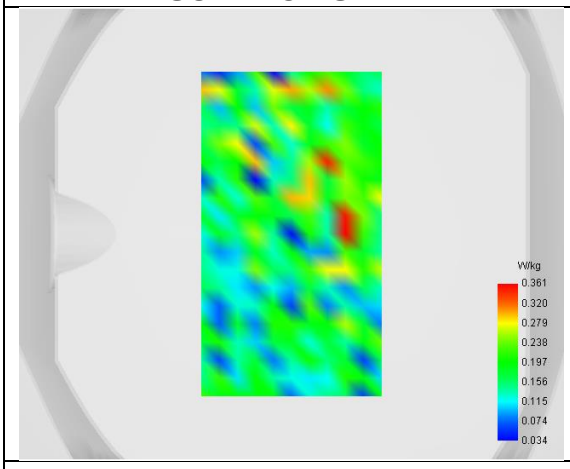
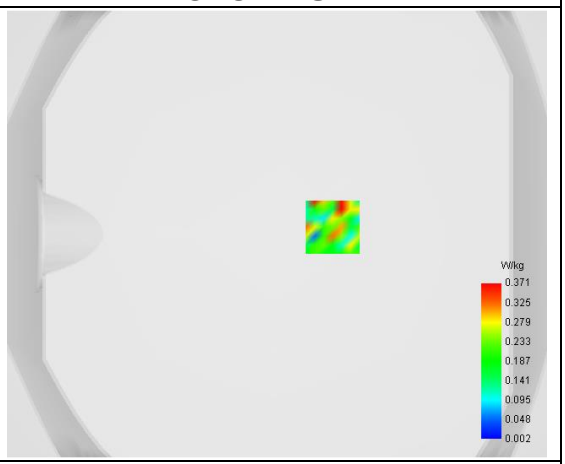
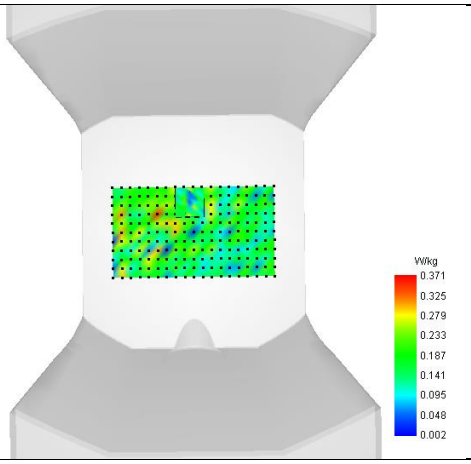
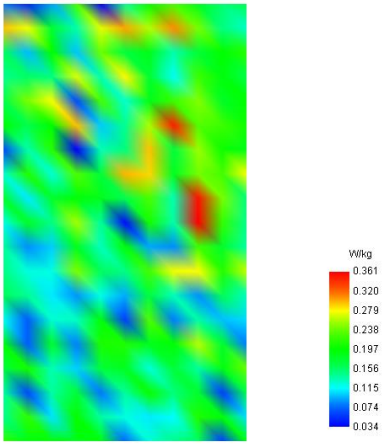
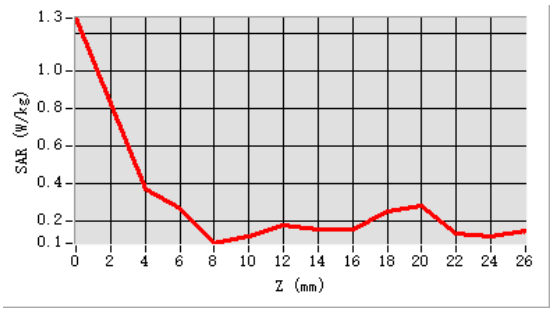




Plot 88:

Test Date	2023-10-27
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	NR band 77
Signal	NR TDD
Frequency	3345
SAR 10g (W/Kg)	0.128
SAR 1g (W/Kg)	0.164

Maximum location: X=25.00, Y=3.00 ; SAR Peak: 1.03 W/kg

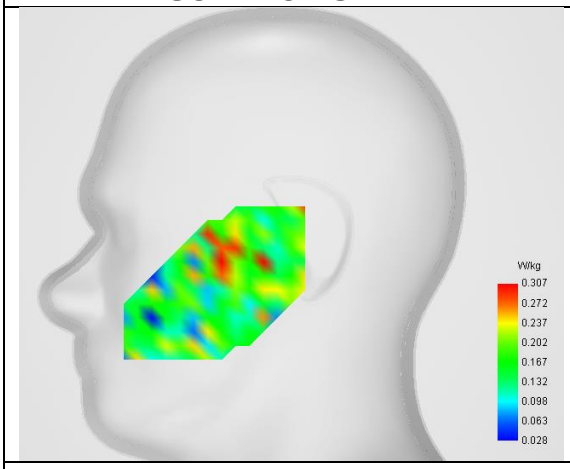
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Plot 89:

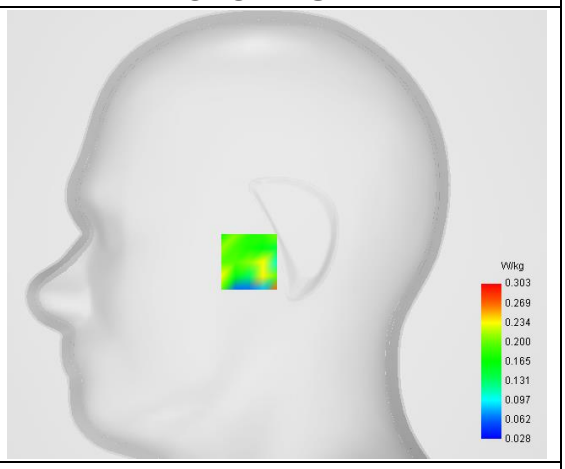
Test Date	2023-10-27
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Cheek
Band	NR band 78
Signal	NR TDD
Frequency	3350.01
SAR 10g (W/Kg)	0.130
SAR 1g (W/Kg)	0.247

Maximum location: X=-16.00, Y=-16.00 ; SAR Peak: 0.60 W/kg

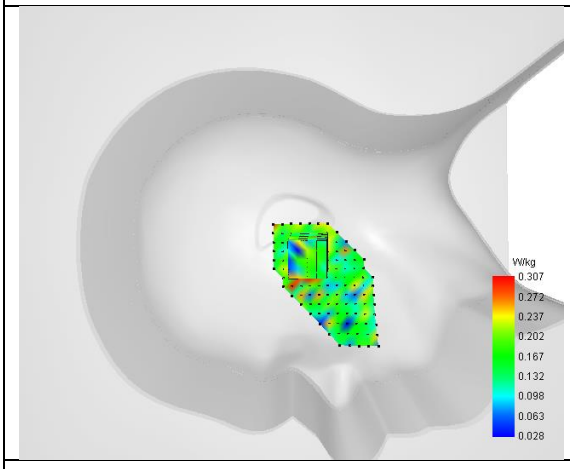
SURFACE SAR



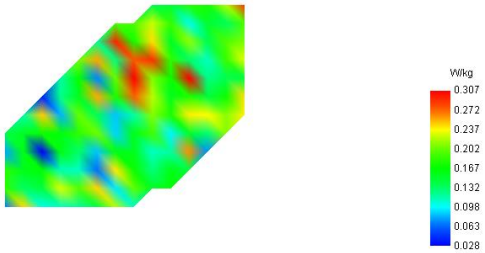
VOLUME SAR

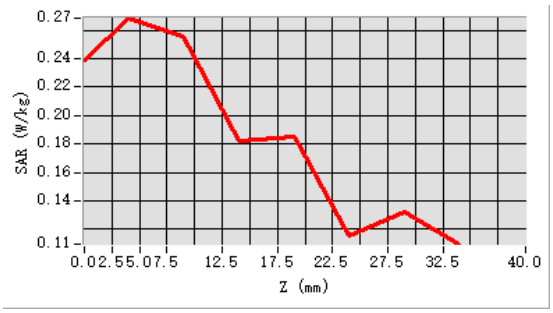


3D screen shot



Hot spot position

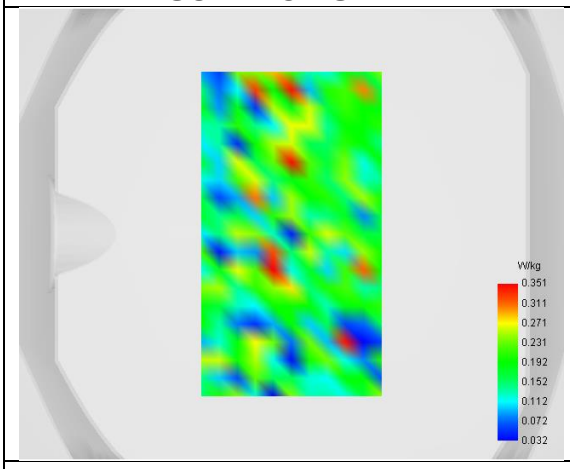
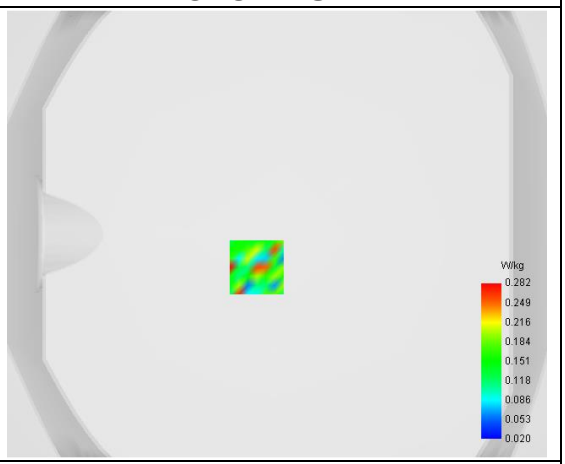
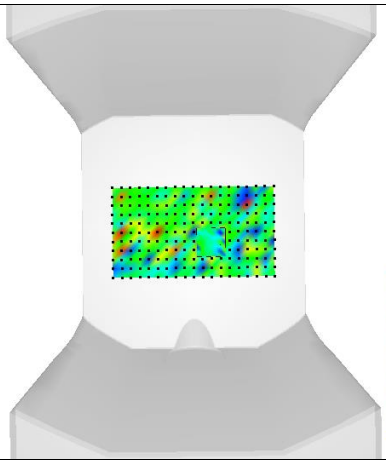
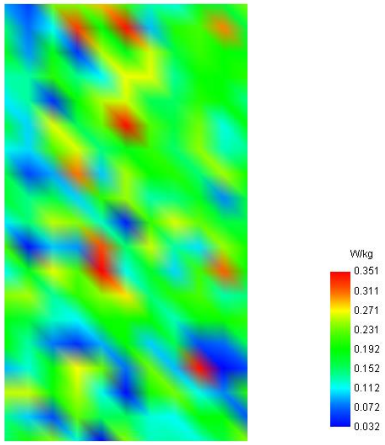
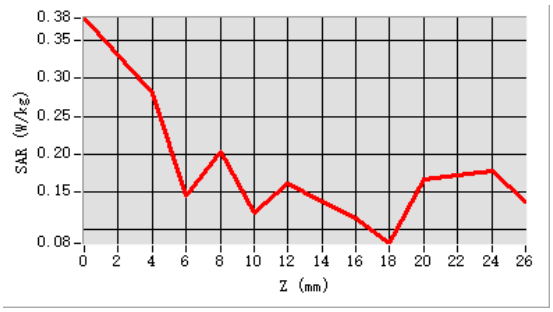




Plot 90:

Test Date	2023-10-27
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Edge
Band	NR band 78
Signal	NR TDD
Frequency	3350.01
SAR 10g (W/Kg)	0.082
SAR 1g (W/Kg)	0.126

Maximum location: X=-9.00, Y=-15.00 ; SAR Peak: 0.82 W/kg

SURFACE SAR	VOLUME SAR
	
3D screen shot	**Hot spot position**
	
	

Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※※END OF THE REPORT※※※※※