TCT 通测检测 TESTING CENTRE TECHNOLOGY

SAR TEST REPORT

FCC ID. ..... :	2AQRM-C1	
Test Report No..... :	TCT241204E029	
Date of issue..... :	Jan. 06, 2024	
Testing laboratory ..... :	SHENZHEN TONGCE TESTING LAB	
Testing location/ address:	2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China	
Applicant's name..... :	FOXX Development Inc.	
Address..... :	3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA	
Manufacturer's name ... :	FOXX Development Inc.	
Address..... :	3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA	
Product Name..... :	Smart Phone	
Trade Mark ..... :	MIRO, FOXXD, FOXX	
Model/Type reference..... :	C1	
SAR Max. Values.....:	**1.01 W/Kg (1g) for head; 1.09W/Kg (1g) for Body-worn; 1.02 W/Kg (1g) for Hotspot**	
Simultaneous Reported SAR.....:	**1.37 W/Kg (1g) for head;1.50W/Kg (1g) for Body-worn; 1.42 W/Kg (1g) for Hotspot**	
Date of receipt of test item ..... :	Dec. 04, 2024	
Date (s) of performance of test..... :	Dec. 04, 2024 - Jan. 06, 2024	
Tested by (+signature) ... :	Karl WANG	
Check by (+signature).... :	Beryl Zhao	
Approved by (+signature):	Tomsin	

General disclaimer:

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1. General Product Information

1.1. EUT description

Product Name.....:	Smart Phone
Model/Type reference.....:	C1
SampleNumber.....:	TCT241204E029-0101/01
Rating(s).....:	Rechargeable Li-ion Battery DC 3.87V
2G	
Operation Band.....:	GSM850, GSM1900
Supported type.....:	GSM/GPRS/EGPRS
Power Class.....:	GSM850:Power Class 4; GSM1900:Power Class 1
Modulation Type.....:	GMSK for GSM/GPRS ; 8PSK for EGPRS
GSM Release Version.....:	R99
GPRS Multislot Class.....:	12
EGPRS Multislot Class.....:	12
3G	
Operation Band.....:	FDD Band II & FDD Band IV & FDD Band V
Power Class.....:	Power Class 3
Modulation Type.....:	QPSK for WCDMA/HSDPA/HSUPA
WCDMA Release Version.....:	R9
HSDPA Release Version.....:	Release 5
HSUPA Release Version.....:	Release 6
DC-HSUPA Release Version.....:	Supported
LTE	
Operation Band.....:	LTE Band 2 & LTE Band 4 & LTE Band 5 & LTE Band 7 & LTE Band 12 & LTE Band 17 & LTE Band 25 & LTE Band 41& LTE Band 66 & LTE Band 71
Power Class.....:	Power Class 3
Modulation Type.....:	QPSK &16-QAM for LTE
Wi-Fi 2.4G	
Supported type.....:	802.11b/802.11g/802.11n
Modulation Type.....:	802.11b: DSSS 802.11g/802.11n:OFDM
Operation Frequency.....:	802.11b/802.11g/802.11n(HT20):2412MHz~2462MHz; 802.11n(HT40):2422MHz~2452MHz
Channel number.....:	802.11b/802.11g/802.11n(HT20):11; 802.11n(HT40):7
Channel separation.....:	5MHz
Wi-Fi 5G	
Operation Frequency.....:	Band 1: 5180 MHz~5240 MHz Band 2A: 5260 MHz~5320 MHz Band 2C: 5500 MHz ~ 5720 MHz Band 3: 5745 MHz~5825 MHz
Channel Bandwidth.....:	802.11a: 20MHz 802.11n: 20MHz, 40MHz 802.11ac: 20MHz, 40MHz, 80MHz
Modulation Technology.....:	Orthogonal Frequency Division Multiplexing(OFDM)
Modulation Type.....:	256QAM, 64QAM, 16QAM, BPSK, QPSK

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Bluetooth	
Bluetooth Version.....:	Supported 5.0
Modulation.....:	GFSK(1Mbps), π/4-DQPSK(2Mbps), 8-DPSK(3Mbps)
Operation Frequency.....:	2402MHz~2480MHz
Channel number.....:	79/40
Channel separation.....:	1MHz/2MHz

1.2. Model(s) list

None.

2. Test standard

The tests were performed according to following standards:
FCC 47 CFR §2.1093
IEEE1528-2013:Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate in the Human Head from Wireless Communications Devices: Measurement Techniques
KDB447498 D01:General RF Exposure Guidance v06
KDB865664 D01:SAR measurement 100MHz to 6GHz v01r04
KDB865664 D02:RF Exposure Reporting v01r02.
KDB941225 D01:3G SAR Procedures v03r01
KDB248227 D01:802.11 wi-fi SAR v02r02
KDB941225 D05:SAR for LTE devices v02r05
KDB941225 D06:Hotspot Mode v02r01
KDB648474 D04:Handset SAR v01r03
KDB690783 D01:SAR Listings on Grant v01r03

3. Facilities and Accreditations

3.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

- FCC - Registration No.: 645098

  SHENZHEN TONGCE TESTING LAB

  Designation Number: CN1205

  The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A

  SHENZHEN TONGCE TESTING LAB

  CAB identifier: CN0031

  The testing lab has been registered by Innovation, Science and Economic Development Canada for radio equipment testing.

3.2. Location

SHENZHEN TONGCE TESTING LAB
Address: 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China

3.3. Environment Condition:

Temperature:	18°C ~25°C
Humidity:	35%~75% RH
Atmospheric Pressure:	1011 mbar

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4. Test Result Summary

The maximum results of Specific Absorption Rate (SAR) found during test as bellows:
<Highest Reported standalone SAR Summary>

Exposure Position	Frequency Band	Reported SAR (W/kg)	Equipment Class	Highest Reported SAR (W/kg)
Head 1-g SAR	GSM 850	0.11	PCE	**1.01**
	GSM 1900	0.11		
	WCDMA Band II	0.15		
	WCDMA Band IV	0.12		
	WCDMA Band V	1.00		
	LTE Band 2	0.17		
	LTE Band 4	0.81		
	LTE Band 5	0.16		
	LTE Band 7	0.34		
	LTE Band 12	0.85		
	LTE Band 17	0.11		
	LTE Band 25	0.65		
	LTE Band 41	**1.01**		
	LTE Band 66	0.93		
	LTE Band 71	0.34		
	WLAN 2.4 GHz	0.02	DTS	
	UNII 1	0.24	NII	
	UNII 2A	0.31		
	UNII 2C	0.11		
	UNII 3	0.36		
	BT	0.02	DSS	
Body-worn 1-g SAR (10 mm Gap)	GSM 850	0.38	PCE	**1.09**
	GSM 1900	0.39		
	WCDMA Band II	0.31		
	WCDMA Band IV	0.97		
	WCDMA Band V	0.15		
	LTE Band 2	0.66		
	LTE Band 4	0.94		
	LTE Band 5	0.47		
	LTE Band 7	**1.09**		
	LTE Band 12	0.29		
	LTE Band 17	0.60		
	LTE Band 25	0.52		
	LTE Band 41	0.33		
	LTE Band 66	0.87		
	LTE Band 71	0.36		
	WLAN 2.4 GHz	0.29	DTS	
	UNII 1	0.41	NII	
	UNII 2A	0.41		
	UNII 2C	0.36		
	UNII 3	0.40		
	BT	0.01	DSS	

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Hotspot 1-g SAR (10 mm Gap)	GSM 850	0.35	PCE	**1.02**
	GSM 1900	0.35		
	WCDMA Band II	0.26		
	WCDMA Band IV	0.88		
	WCDMA Band V	0.13		
	LTE Band 2	0.60		
	LTE Band 4	0.88		
	LTE Band 5	0.42		
	LTE Band 7	**1.02**		
	LTE Band 12	0.26		
	LTE Band 17	0.55		
	LTE Band 25	0.49		
	LTE Band 41	0.30		
	LTE Band 66	0.84		
	LTE Band 71	0.36		
	WLAN 2.4 GHz	0.04	DTS	
	UNII 1	0.40	NII	
	UNII 2A	0.35		
	UNII 2C	0.31		
	UNII 3	0.37		

<Highest Reported simultaneous SAR Summary>

Exposure Position	Frequency Band	Highest Reported Simultaneous Transmission SAR (W/kg)
Head 1-g SAR	LTE Band 41 + WIFI 5.8G	1.37
Body 1-g SAR (10 mm Gap)	LTE Band 7 + WIFI 5.2G	1.50
Hotspot 1-g SAR (10 mm Gap)	LTE Band 7 + WIFI 5.2G	1.42

Note:

1. The highest simultaneous transmission is scalar summation of Reported standalone SAR per FCC KDB 690783 D01 v01r03, and scalar SAR summation of all possible simultaneous transmission scenarios are < 1.6W/kg.
2. This device is compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-2005, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013.
3. This EUT owns four cards, after we perform the pretest for these two SIM card; we found the SIM 1 is the worst case, so its result is recorded in this report.

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5. RF Exposure Limit

Type Exposure	SAR (W/kg)
	Uncontrolled Exposure Limit
Spatial Peak SAR (averaged over any 1 g of tissue)	1.60
Spatial Peak SAR (hands/wrists/feet/ankles averaged over 10g)	4.00
Spatial Peak SAR (averaged over the whole body)	0.08

Note:

1. The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.
2. The Spatial Average value of the SAR averaged over the whole body.
3. The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

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6. SAR Measurement System Configuration

6.1. SAR Measurement Set-up

The OPENSAR system for performing compliance tests consist of the following items:

A standard high precision 6-axis robot (KUKA) with controller and software.

KUKA Control Panel (KCP)

A dosimetric probe, i.e., an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with a Video Positioning System (VPS).

The stress sensor is composed with mechanical and electronic when the electronic part detects a change on the electro-mechanical switch; it sends an “Emergency signal” to the robot controller that to stop robot’s moves A computer operating Windows XP.

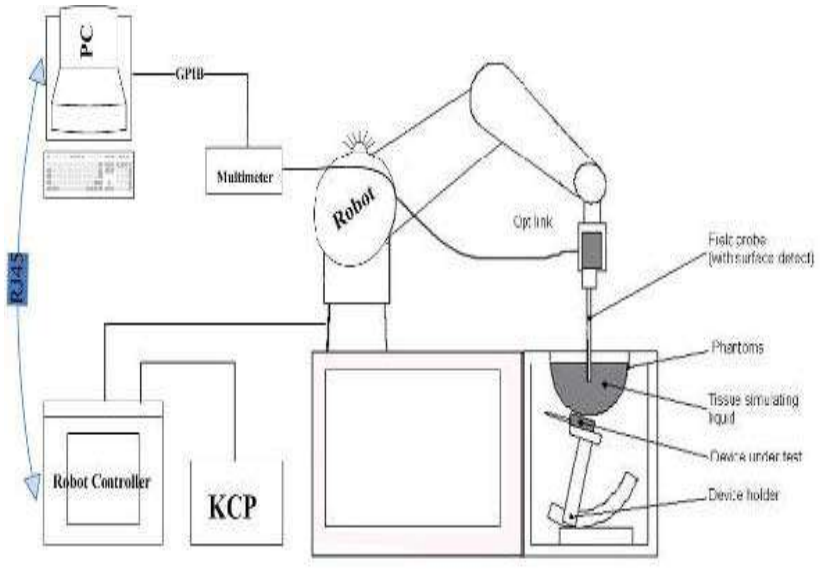
OPENSAR software Remote control with teaches pendant and additional circuitry for robot safety such as warning lamps, etc.

The SAM phantom enabling testing left-hand right-hand and body usage.

The Position device for handheld EUT

Tissue simulating liquid mixed according to the given recipes.

System validation dipoles to validate the proper functioning of the system.



KUKA SAR Test Sysytem Configuration

6.2. E-field Probe

The SAR measurement is conducted with the dosimetric probe (manufactured by MVG).
The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency.
This probe has a built in optical surface detection system to prevent from collision with phantom.

Probe Specification
Construction Symmetrical design with triangular core
Interleaved sensors
Built-in shielding against static charges
PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration ISO/IEC 17025 calibration service available.

Device Type	COMOSAR DOSIMETRIC E FIELD PROBE
Manufacturer	MVG
Model	SSE2
Serial Number	SN 25/22 EPGO375
Frequency Range of Probe	0.15 GHz- 6GHz
Resistance of Three Dipoles at Connector	Dipole 1:R1=0.197MΩ Dipole 2:R3=0.230MΩ Dipole 3:R3=0.208MΩ

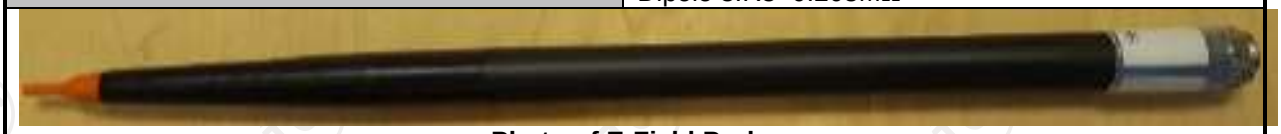


Photo of E-Field Probe

6.3. Phantom

The SAM Phantom SAM120 is constructed of a fiberglass shell integrated in a wooden table. The shape of the shell is in compliance with the specification set in IEEE1528-2013.
The phantom enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region.
A cover prevents the evaporation of the liquid.
Reference markings on the Phantom allow the complete setup of all predefined phantom positions and measurement grids by manually teaching three points in the robot
System checking was performed using the flat section, whilst Head SAR tests used the left and right head profile sections.
Body SAR testing also used the flat section between the head profiles.

Name: COMOSAR IEEE SAM PHANTOM
S/N: SN 19/15 SAM 120
Manufacture: MVG

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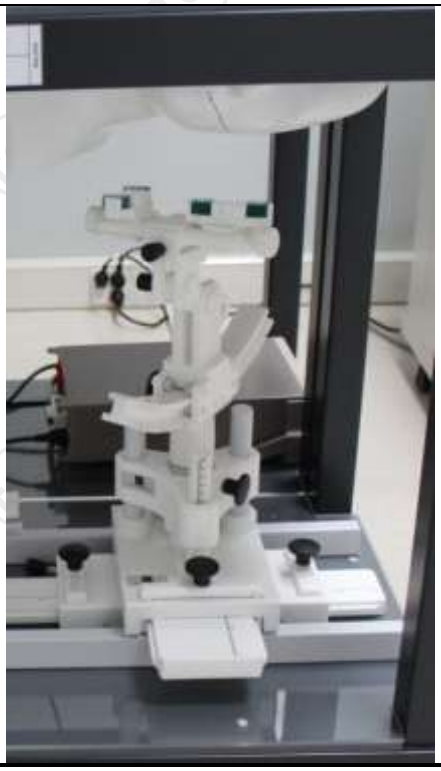
SAM Twin Phantom

6.4. Device Holder

In combination with the Generic Twin Phantom SAM120, the Mounting Device enables the rotation of the mounted transmitter in spherical coordinates whereby the rotation points is the ear opening.
The devices can be easily, accurately, and repeatedly positioned according to the FCC and CENELEC specifications.
The device holder can be locked at different phantom locations (left head, right head, flat phantom).

COMOSAR Mobile phone positioning system



6.5. Data Storage and Evaluation

Data Storage

The OPENSAR software stores the acquired data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files. The software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verification of the complete software setup even after the measurement and allows correction of incorrect parameter settings. For example, if a measurement has been performed with a wrong crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be re-evaluated.

The measured data can be visualized or exported in different units or formats, depending on the selected probe type ([V/m], [A/m], [°C], [mW/g], [mW/cm²], [dBrel], etc.). Some of these units are not available in certain situations or show meaningless results, e.g., a SAR output in a lossless media will always be zero. Raw data can also be exported to perform the evaluation with other software packages.

Data Evaluation

The OPENSAR software automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software:

Probe parameters:	- Sensitivity	Normi, ai0, ai1, ai2
	- Conversion factor	ConvFi
	- Diode compression point	Dcpi
Device parameters:	- Frequency	f
	- Crest factor	cf
Media parameters:	- Conductivity	σ
	- Density	ρ

These parameters must be set correctly in the software. They can be found in the component documents or they can be imported into the software from the configuration files issued for the OPENSAR components. In the direct measuring mode of the millimeter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used.

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics. If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power. The formula for each channel can be given as:

$$Vi = Ui + Ui2 \cdot c\,f / d\,c\,pi$$

With Vi = compensated signal of channel i (i = x, y, z)
Ui = input signal of channel i (i = x, y, z)
cf = crest factor of exciting field (MVG parameter)
dcpi = diode compression point (MVG parameter)

From the compensated input signals the primary field data for each channel can be evaluated:

$$\text{E-field probes: } Ei = (Vi / Normi \cdot ConvF)1/2$$

$$\text{H-field probes: } Hi = (Vi)1/2 \cdot (ai0 + ai1\,f + ai2f2) / f$$

With Vi = compensated signal of channel i (i = x, y, z)
Normi = sensor sensitivity of channel i (i = x, y, z)
[mV/(V/m)2] for E-field Probes
ConvF = sensitivity enhancement in solution
aij = sensor sensitivity factors for H-field probes
f = carrier frequency [GHz]
Ei = electric field strength of channel i in V/m
Hi = magnetic field strength of channel i in A/m

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The RSS value of the field components gives the total field strength (Hermitian magnitude):

Etot = (Ex2+ EY2+ Ez2)1/2

The primary field data are used to calculate the derived field units.

SAR = (Etot) 2 · σ / (ρ· 1000)

with SAR = local specific absorption rate in mW/g
Etot = total field strength in V/m
σ = conductivity in [mho/m] or [Siemens/m]
ρ = equivalent tissue density in g/cm3

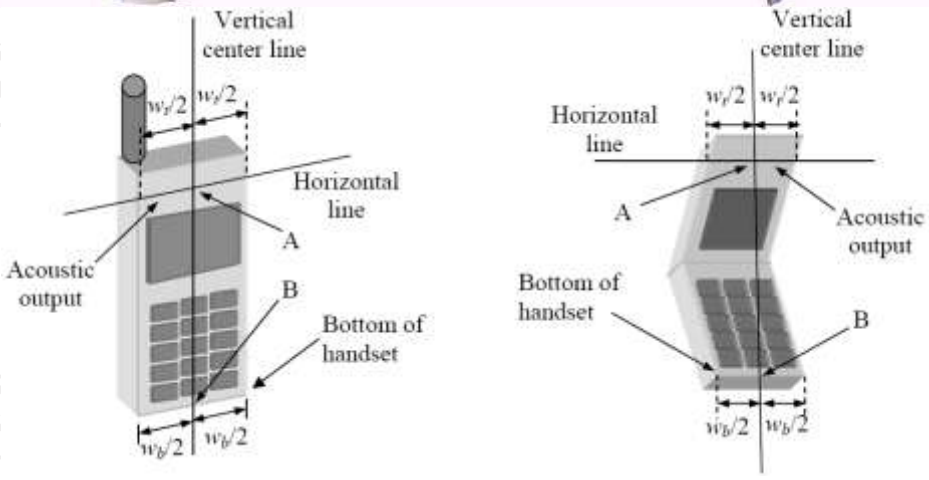
Note that the density is normally set to 1 (or 1.06), to account for actual brain density rather than the density of the simulation liquid. The power flow density is calculated assuming the excitation field to be a free space field.

6.6. Position of the wireless device in relation to the phantom

Handset Reference Points

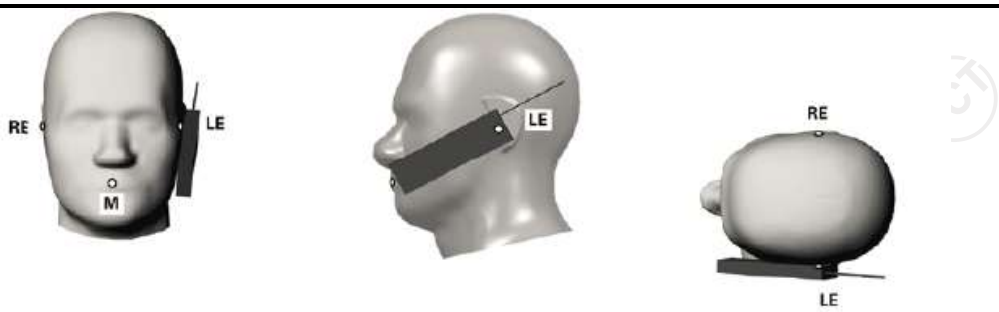
Ppwe = Etot2 / 3770 or Ppwe = Htot2 · 37.7

With Ppwe = equivalent power density of a plane wave in mW/cm2
Etot = total electric field strength in V/m
Htot = total magnetic field strength in A/m



Wt Width of the handset at the level of the acoustic
Wb Width of the bottom of the handset
A Midpoint of the width wt of the handset at the level of the acoustic output
B Midpoint of the width wb of the bottom of the handset

Positioning for Cheek / Touch



Positioning for Ear / 15º Tilt

Body Worn Accessory Configurations
To position the device parallel to the phantom surface with either keypad up or down.
To adjust the device parallel to the flat phantom.
To adjust the distance between the device surface and the flat phantom to 15mm or holster surface and the flat phantom to 0 mm.

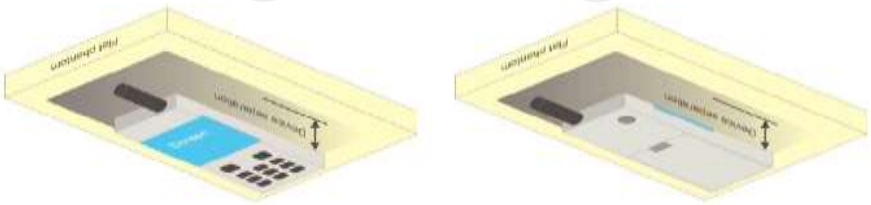


Illustration for Body Worn Position

Ireless Router（Hotspot）Configurations
Some battery-operated handsets have the capability to transmit and receive internet connectivity through simultaneous transmission of WIFI in conjunction with a separate licensed transmitter. The FCC has provided guidance in KDB Publication 941225 D06 where SAR test considerations for handsets (L x W ≥
9 cm x 5 cm) are based on a composite test separation distance of 10 mm from the front, back and edges of the device with antennas 2.5 cm or closer to the edge of the device, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WIFI transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. Therefore, SAR must be evaluated for each frequency transmission and mode separately and summed with the WIFI transmitter according to KDB 648474 publication procedures. The “Portable Hotspot” feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.

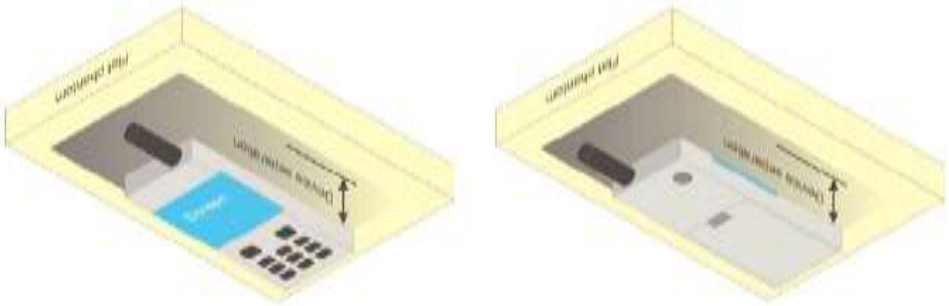
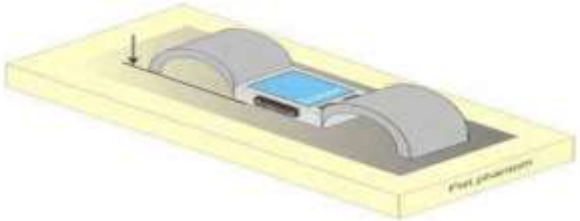


Illustration for Hotspot Position

Limb-worn device

A limb-worn device is a unit whose intended use includes being strapped to the arm or leg of the user while transmitting (except in idle mode). It is similar to a body-worn device. Therefore, the test positions of 6.1.4.4 also apply. The strap shall be opened so that it is divided into two parts as shown in Figure 9. The device shall be positioned directly against the phantom surface with the strap straightened as much as possible and the back of the device towards the phantom.

If the strap cannot normally be opened to allow placing in direct contact with the phantom surface, it may be necessary to break the strap of the device but ensuring to not damage the antenna.



Test position for limb-worn devices

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6.7. Tissue Dielectric Parameters

The liquid used for the frequency range of 100MHz-6G consisted of water, sugar, salt and Cellulose. The liquid has been previously proven to be suited for worst-case. The following Table shows the detail solution. It's satisfying the latest tissue dielectric parameters requirements proposed by the IEEE 1528 and IEC 62209.
The simulating liquids should be checked at the beginning of a series of SAR measurements to determine of the determine of the dielectric parameter are within the tolerances of the specified target values. The measured conductivity and relative permittivity should be within ±5% of the target values.
The following materials are used for producing the tissue-equivalent materials

Targets for tissue simulating liquid

Frequency (MHz)	Liquid Type	Liquid Type (σ)	± 5% Range	Permittivity (ε)	± 5% Range
300	Head	0.87	0.83~0.91	45.3	43.04~47.57
450	Head	0.87	0.83~0.91	43.5	41.33~45.68
835	Head	0.90	0.86~0.95	41.5	39.43~43.58
900	Head	0.97	0.92~1.02	41.5	39.43~43.58
1800-2000	Head	1.40	1.33~1.47	40.0	38.00~42.00
2450	Head	1.80	1.71~1.89	39.2	37.24~41.16
2600	Head	1.96	1.86~2.06	39.0	37.05~40.95
3000	Head	2.40	2.28~2.52	38.5	36.58~40.43
5800	Head	5.27	5.01~5.53	35.3	33.54~37.07

(εr = relative permittivity, σ = conductivity and ρ = 1000 kg/m3)

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6.8. Tissue-equivalent Liquid Properties

Test Date dd/mm/yy	Temp ℃	Tissue Type	Measured Frequency (MHz)	εr	σ(s/m)	Dev εr(%)	Dev σ(%)
12/05/2024	21.8℃	750H	673	42.93	0.89	2.46	0.00
			707	42.55	0.90	1.55	1.12
			709	42.53	0.90	1.50	1.12
			750	42.07	0.90	0.41	1.12
12/10/2024	21.8℃	835H	824	41.24	0.91	-0.63	1.11
			829	41.19	0.91	-0.75	1.11
			835	41.12	0.91	-0.92	1.11
			836	41.12	0.91	-0.92	1.11
12/13/2024	21.8℃	1800H	1720	40.42	1.35	1.05	-3.57
			1752	40.40	1.37	1.00	-2.14
			1800	40.36	1.39	0.90	-0.71
12/18/2024	21.8℃	1900H	1850	40.14	1.40	0.35	0.00
			1860	40.10	1.40	0.25	0.00
			1900	39.92	1.41	-0.20	0.71
			1907	39.91	1.41	-0.23	0.71
12/23/2024	21.8℃	2450H	2437	39.04	1.78	-0.41	-1.11
			2441	39.04	1.79	-0.41	-0.56
			2450	39.02	1.79	-0.46	-0.56
12/25/2024	21.8℃	2600H	2560	38.85	1.87	-0.38	-4.59
			2593	38.79	1.90	-0.54	-3.06
			2600	38.78	1.90	-0.56	-3.06
12/26/2024	21.8℃	5200H	5200	36.10	4.75	0.28	1.93
			5240	35.98	4.82	-0.06	3.43
12/27/2024	21.8℃	5300H	5270	35.89	4.87	0.25	0.21
			5300	35.81	4.92	0.03	1.23
12/30/2024	21.8℃	5600H	5600	35.42	5.11	-0.23	0.79
			5610	35.41	5.12	-0.25	0.99
12/31/2024	21.8℃	5800H	5755	35.26	5.27	-0.68	3.94
			5800	35.21	5.32	-0.34	0.95

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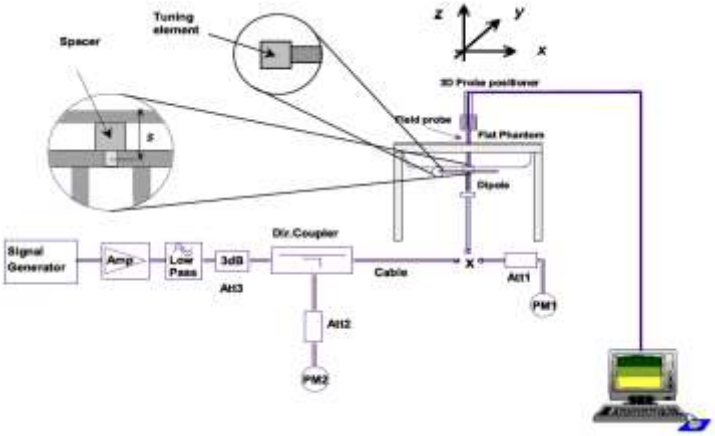
6.9. System Check

The SAR system must be validated against its performance specifications before it is deployed. When SAR probe and system component or software are changed, upgraded or recalibrated, these must be validated with the SAR system(s) that operates with such component. Reference dipoles are used with the required tissue-equivalent media for system validation.

System check results have to be equal or near the values determined during dipole calibration with the relevant liquids and test system (±10 %).

System check is performed regularly on all frequency bands where tests are performed with the OPENSAR system.



System Check Set-up

Verification Results

Frequency (MHz)	Liquid Type	Measured Value in 100mW (W/kg)		Normalized to 1W (W/kg)		Target Value (W/kg)		Deviation (%)	
		1 g Average	10 g Average	1 g Average	10 g Average	1 g Average	10 g Average	1 g Average	10 g Average
750	Head	0.54	0.88	5.40	8.83	8.31	5.71	-5.37	6.22
835	Head	0.60	0.93	5.96	9.34	9.53	6.12	-2.60	-1.97
1800	Head	2.09	4.10	20.95	41.02	37.67	20.23	3.54	8.90
1900	Head	1.90	3.86	19.03	38.63	39.26	20.49	-7.11	-1.62
2450	Head	2.50	5.01	24.96	50.14	53.26	24.15	3.35	-5.85
2600	Head	2.63	5.53	26.32	55.33	54.31	24.14	9.05	1.87
5200	Head	6.29	14.87	62.91	148.66	57.29	163.88	9.81	-9.29
5300	Head	6.35	15.23	63.52	152.35	59.16	166.4	7.37	-8.45
5600	Head	6.05	18.06	60.50	180.60	61.57	181.28	-1.74	-0.38
5800	Head	5.96	17.13	59.61	171.26	63.45	188.95	-6.05	-9.36

Comparing to the original SAR value provided by MVG, the verification data should be within its specification of 10%. Below table shows the target SAR and measured SAR after normalized to 1W input power. The table as below indicates the system performance check can meet the variation criterion and the plots can be referred to Section 10 of this report.

7. Measurement Procedure

Conducted power measurement

For WWAN power measurement, use base station simulator to configure EUT WWAN transition in conducted connection with RF cable, at maximum power in each supported wireless interface and frequency band.
Read the WWAN RF power level from the base station simulator.
For WLAN/BT power measurement, use engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power in each supported wireless interface and frequency band.
Connect EUT RF port through RF cable to the power meter or spectrum analyser, and measure WLAN/BT output power.

Conducted power measurement

Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power, in the highest power channel.
Place the EUT in positions as Appendix B demonstrates.
Set scan area, grid size and other setting on the MVG software.
Measure SAR results for the highest power channel on each testing position.
Find out the largest SAR result on these testing positions of each band.
Measure SAR results for other channels in worst SAR testing position if the Reported SAR or highest power channel is larger than 0.8 W/kg.

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

Power reference measurement
Area scan
Zoom scan
Power drift measurement

Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The MVG software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a “cube” measurement. The measured volume must include the 1g and 10 g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:
Extraction of the measured data (grid and values) from the Zoom Scan.

Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters).

Generation of a high-resolution mesh within the measured volume.

Interpolation of all measured values form the measurement grid to the high-resolution grid

Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface

Calculation of the averaged SAR within masses of 1g and 10g.

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Power Reference Measurement

The Power Reference Measurement and Power Drift Measurement are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties

Area & Zoom Scan Procedures

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10g. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r03 quoted below.

			≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5 mm ± 1 mm	½·δ·ln(2) mm ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area}, Δy_{Area}			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$ mm	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm

Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see IEEE Std 1528-2013 for details.

* When zoom scan is required and the *reported* SAR from the *area scan based 1-g SAR estimation* procedures of KDB Publication 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

Volume Scan Procedures

The volume scan is used for assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing. When all volume scan were completed, the software, SEMCAD post-processor scan combine and subsequently superpose these measurement data to calculating the multiband SAR.

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SAR Averaged Methods

In MVG, the interpolation and extrapolation are both based on the modified Quadratic Shepard's method. The interpolation scheme combines a least-square fitted function method and a weighted average method which are the two basic types of computational interpolation and approximation.

Extrapolation routines are used to obtain SAR values between the lowest measurement points and the inner phantom surface. The extrapolation distance is determined by the surface detection distance and the probe sensor offset. The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1g and 10g cubes, the extrapolation distance should not be larger than 5 mm.

Power Drift Monitoring

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In MVG measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drifts more than 5%, the SAR will be retested.

Power Drift measurement

The drift job measures the field at the same location as the most recent reference job within the same procedure, and with the same settings. The drift measurement gives the field difference in dB from the reading conducted within the last reference measurement. Several drift measurements are possible for

Measurement Uncertainty

Per KDB 865664 D01 SAR Measurement 100KHz to 6GHz ,when the highest measurement 1-g SAR within a frequency band is <1.5W/kg, the extensive SAR measurement uncertainty analysis described IEEE Std 1528-2013 is not required in SAR report submitted for equipment approval.

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8. Conducted Output Power

Band: GSM 850	Measured Power (dBm)			Calculation (dB)	Averaged Power (dBm)		
Channel	128	190	251		128	190	251
Frequency	824.2	836.6	848.8		824.2	836.6	848.8
GSM (GMSK, Voice)	32.29	32.22	32.15	-9.03	23.26	23.19	23.12
GPRS (GMSK, 1-slot)	32.35	32.22	32.14	-9.03	23.32	23.19	23.11
GPRS (GMSK, 2-slot)	30.22	30.10	30.03	-6.02	24.20	24.08	24.01
GPRS (GMSK, 3-slot)	28.72	28.61	28.52	-4.26	24.46	24.35	24.26
GPRS (GMSK, 4-slot)	26.66	26.60	26.54	-3.01	23.65	23.59	23.53
EGPRS (1-slot)	26.04	25.97	25.79	-9.03	17.01	16.94	16.76
EGPRS (2-slot)	24.85	24.96	24.86	-6.02	18.83	18.94	18.84
EGPRS (3-slot)	22.65	22.70	22.47	-4.26	18.39	18.44	18.21
EGPRS (4-slot)	20.34	20.15	20.14	-3.01	17.33	17.14	17.13

Note:
1. Division Factors
To average the power, the division factor is as follows:
1TX-slot = 1 transmit time slot out of 8 time slots=> conducted power divided by (8/1) => -9.03dB
2TX-slots = 2 transmit time slots out of 8 time slots=> conducted power divided by (8/2) => -6.02dB
3TX-slots = 3 transmit time slots out of 8 time slots=> conducted power divided by (8/3) => -4.26dB
4TX-slots = 4 transmit time slots out of 8 time slots=> conducted power divided by (8/4) => -3.01dB
2. According to the conducted power as above, the body measurements are performed with 1Tx slots for 850MHz for GPRS.
3. The device do not support power reduction, so power of hotspot activated as the same as hotspot disabled

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Band: GSM 1900	Measured Power (dBm)			Calculation (dB)	Averaged Power (dBm)		
Channel	512	661	810		512	661	810
Frequency	1850.2	1880.0	1909.8		1850.2	1880.0	1909.8
GSM (GMSK, Voice)	29.65	29.53	28.86	-9.03	20.62	20.50	19.83
GPRS (GMSK, 1-slot)	29.64	29.42	28.86	-9.03	20.61	20.39	19.83
GPRS (GMSK, 2-slot)	27.18	27.08	26.30	-6.02	21.16	21.06	20.28
GPRS (GMSK, 3-slot)	25.66	25.13	24.72	-4.26	21.40	20.87	20.46
GPRS (GMSK, 4-slot)	23.62	22.56	22.88	-3.01	20.61	19.55	19.87
EGPRS (1-slot)	25.23	24.75	24.11	-9.03	16.20	15.72	15.08
EGPRS (2-slot)	23.05	22.95	22.36	-6.02	17.03	16.93	16.34
EGPRS (3-slot)	20.85	20.68	20.06	-4.26	16.59	16.42	15.80
EGPRS (4-slot)	18.79	18.28	18.00	-3.01	15.78	15.27	14.99

Note:
1. Division Factors
To average the power, the division factor is as follows:
1TX-slot = 1 transmit time slot out of 8 time slots=> conducted power divided by (8/1) => -9.03dB
2TX-slots = 2 transmit time slots out of 8 time slots=> conducted power divided by (8/2) => -6.02dB
3TX-slots = 3 transmit time slots out of 8 time slots=> conducted power divided by (8/3) => -4.26dB
4TX-slots = 4 transmit time slots out of 8 time slots=> conducted power divided by (8/4) => -3.01dB
2. According to the conducted power as above, the body measurements are performed with 1Tx slots for 1900MHz for GPRS.
3. The device do not support power reduction, so power of hotspot activated as the same as hotspot disabled

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Band	WCDMA Band II			WCDMA Band V		
Channel	9262	9400	9538	4132	4183	4233
Frequency	1852.40	1880.00	1907.60	826.40	836.60	846.60
RMC 12.2Kbps	22.90	22.50	22.93	23.00	23.03	22.97
HSDPA Subtest-1	22.38	21.77	22.32	22.66	22.48	22.50
HSDPA Subtest-2	22.44	21.78	22.32	22.70	22.50	22.53
HSDPA Subtest-3	22.47	21.78	22.33	22.69	22.51	22.54
HSDPA Subtest-4	22.37	21.66	22.22	22.61	22.47	22.44
HSUPA Subtest-1	19.96	19.03	19.41	20.28	19.73	20.29
HSUPA Subtest-2	20.19	19.00	19.57	20.20	19.67	19.79
HSUPA Subtest-3	20.14	18.97	19.87	20.44	20.18	19.95
HSUPA Subtest-4	20.29	18.97	19.87	20.67	20.17	20.28
HSUPA Subtest-5	20.10	19.50	19.93	20.19	20.16	20.24
Band	WCDMA Band IV					
Channel	1312	1413	1513			
Frequency	1712.4	1732.6	1752.6			
RMC 12.2Kbps	22.66	23.20	23.73			
HSDPA Subtest-1	21.80	21.60	23.75			
HSDPA Subtest-2	21.86	21.59	23.77			
HSDPA Subtest-3	21.88	21.60	23.78			
HSDPA Subtest-4	21.75	21.42	23.75			
HSUPA Subtest-1	19.76	18.69	21.32			
HSUPA Subtest-2	19.41	18.99	21.04			
HSUPA Subtest-3	19.08	19.19	20.83			
HSUPA Subtest-4	19.00	18.63	21.32			
HSUPA Subtest-5	19.34	19.15	21.02			

Note:

1. According to the power listed above, the HSDPA and HSUPA were not determined for SAR testing.
2. The default test configuration is to measure SAR with an established radio link between the EUT and a communication test set using a 12.2kbps RMC(reference measurement channel) configuration in test loop mode
3. The device do not support power reduction, so power of hotspot activated as the same as hotspot disabled

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WLAN 2.4G						
Mode	802.11b			802.11g		
Channel	1	6	11	1	6	11
Frequency	2412	2437	2462	2412	2437	2462
Average Power (dBm)	15.61	16.14	14.99	14.05	14.14	13.35
Mode	802.11n(HT20)			802.11n(HT40)		
Channel	1	6	11	3	6	9
Frequency	2412	2437	2462	2422	2437	2452
Average Power (dBm)	13.29	13.43	12.63	13.44	12.91	13.18
WLAN 5.2G						
Mode	IEEE 802.11a			IEEE 802.11n HT20		
Channel	36	40	48	36	40	48
Frequency	5180	5200	5240	5180	5200	5240
Average Power (dBm)	13.38	11.89	14.21	13.63	12.29	14.06
Mode	IEEE 802.11n HT40			IEEE 802.11ac VHT20		
Channel	38	46		36	40	48
Frequency	5190	5230		5180	5200	5240
Average Power (dBm)	13.20	13.48		13.45	12.16	13.90
Mode	IEEE 802.11ac VHT40			IEEE 802.11ac VHT80		
Channel	38	46		42		
Frequency	5190	5230		5210		
Average Power (dBm)	13.11	13.51		12.70		
WLAN 5.3G						
Mode	IEEE 802.11a			IEEE 802.11n HT20		
Channel	52	60	64	52	60	64
Frequency	5260	5300	5320	5260	5300	5320
Average Power (dBm)	14.28	13.51	13.35	14.17	13.37	13.23
Mode	IEEE 802.11n HT40			IEEE 802.11ac VHT20		
Channel	54	62		52	60	64
Frequency	5270	5310		5260	5300	5320
Average Power (dBm)	14.35	13.74		14.28	13.48	13.30
Mode	EEE 802.11ac VHT40			IEEE 802.11ac VHT80		
Channel	54	62		58		
Frequency	5270	5310		5290		
Average Power (dBm)	14.28	13.70		14.23		

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WLAN 5.6G						
Mode	IEEE 802.11a			IEEE 802.11n HT20		
Channel	100	116	116	100	116	116
Frequency	5500	5500	5500	5500	5500	5500
Average Power (dBm)	13.90	14.47	14.86	13.63	14.55	14.91
Mode	IEEE 802.11n HT40			IEEE 802.11ac VHT20		
Channel	102	110	134	100	116	116
Frequency	5510	5550	5670	5500	5500	5500
Average Power (dBm)	14.35	14.39	15.43	13.83	14.43	14.77
Mode	EEE 802.11ac VHT40			IEEE 802.11ac VHT80		
Channel	102	110	134	106		122
Frequency	5510	5550	5670	5530		5610
Average Power (dBm)	14.15	14.31	15.40	14.56		15.51
WLAN 5.8G						
Mode	IEEE 802.11a			IEEE 802.11n HT20		
Channel	149	157	165	149	157	165
Frequency	5745	5785	5825	5745	5785	5825
Average Power (dBm)	14.48	13.84	13.62	14.63	13.22	13.55
Mode	IEEE 802.11n HT40			IEEE 802.11ac VHT20		
Channel	151		159	149	157	165
Frequency	5755		5795	5745	5785	5825
Average Power (dBm)	14.74		14.02	14.56	13.73	13.49
Mode	IEEE 802.11ac VHT40			IEEE 802.11ac VHT80		
Channel	151		159	155		
Frequency	5755		5795	5775		
Average Power (dBm)	14.64		14.00	14.50		

Note

1. Per KDB 248227 D01 v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion.
2. The output power of all data rate were prescan , just the worst case (the lowest data rate) of all mode were shown in report

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Bluetooth						
Mode	GFSK			Pi/4DQPSK		
Channel	0	39	78	0	39	78
Frequency	2402	2441	2480	2402	2441	2480
Average Power (dBm)	4.79	4.51	3.32	5.41	5.60	3.89
Mode	8DPSK			BLE(1M)		
Channel	0	39	78	0	20	39
Frequency	2402	2441	2480	2402	2440	2480
Average Power (dBm)	5.60	5.82	4.16	1.03	0.87	-0.01
Mode	BLE(2M)					
Channel	0	20	39			
Frequency	2402	2440	2480			
Average Power (dBm)	1.08	0.91	0.02			

Note
1. Per KDB 248227 D01 v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion.
2. The output power of all data rate were prescan, just the worst case (the lowest data rate) of all mode were shown in report.

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LTE Band 2

Conducted Power of LTE Band 2						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				18607	18900	19193
1.4MHz	QPSK	1	0.00	23.90	23.51	22.93
			2.00	24.02	23.50	23.02
			5.00	24.04	23.47	22.90
		3	0.00	23.77	23.48	22.99
			2.00	23.85	23.42	22.99
			3.00	23.80	23.49	22.95
		6	0.00	22.92	22.56	22.00
	16QAM	1	0.00	22.73	22.68	21.74
			2.00	22.75	22.70	21.65
			5.00	22.80	22.68	21.62
		3	0.00	22.88	22.18	21.75
			2.00	22.89	22.18	21.78
			3.00	22.90	22.15	21.76
		6	0.00	22.03	21.54	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				18615	18900	19185
3MHz	QPSK	1	0.00	23.86	23.56	23.03
			7.00	23.82	23.54	23.02
			14.00	23.74	23.46	23.01
		8	0.00	22.80	22.54	21.97
			4.00	22.81	22.56	22.07
			7.00	22.79	22.42	21.98
		15	0.00	22.85	22.50	22.03
	16QAM	1	0.00	23.40	22.29	22.00
			7.00	23.38	22.23	21.66
			14.00	23.32	22.21	21.61
		8	0.00	22.09	21.73	21.23
			4.00	22.15	21.73	21.24
			7.00	21.89	21.74	21.30
		15	0.00	21.95	21.56	21.00

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Conducted Power of LTE Band 2						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				18625	18900	19175
5MHz	QPSK	1	0.00	23.88	23.57	23.04
			13.00	23.67	23.61	22.99
			24.00	23.64	23.50	23.04
		12	0.00	22.79	22.46	22.22
			6.00	22.76	22.50	22.15
			13.00	22.77	22.50	22.11
		25	0.00	22.82	22.48	22.19
	16QAM	1	0.00	23.03	22.70	21.49
			13.00	22.89	22.67	21.44
			24.00	22.94	22.64	21.49
		12	0.00	21.99	21.64	21.25
			6.00	21.96	21.57	21.20
			13.00	21.86	21.59	21.19
		25	0.00	21.98	21.59	21.27
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				18650	18900	19150
10MHz	QPSK	1	0.00	23.71	23.62	23.26
			25.00	23.65	23.56	23.16
			49.00	23.68	23.55	23.10
		25	0.00	22.76	22.49	22.20
			13.00	22.78	22.59	22.15
			25.00	22.72	22.45	22.11
		50	0.00	22.74	22.47	22.20
	16QAM	1	0.00	22.41	23.03	22.27
			25.00	22.42	23.05	22.26
			49.00	22.36	23.06	22.23
		25	0.00	21.86	21.64	21.24
			13.00	21.85	21.62	21.21
			25.00	21.84	21.61	21.15
		50	0.00	21.76	21.62	21.25

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Conducted Power of LTE Band 2						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				18675	18900	19125
15MHz	QPSK	1	0.00	23.67	23.65	23.35
			38.00	23.60	23.55	23.26
			74.00	23.55	23.49	23.01
		36	0.00	22.69	22.53	22.32
			18.00	22.79	22.65	22.22
			39.00	22.82	22.45	22.21
		75	0.00	22.61	22.44	22.25
	16QAM	1	0.00	22.79	23.16	22.15
			38.00	22.74	23.07	22.03
			74.00	22.72	23.04	21.95
		36	0.00	21.86	21.65	21.45
			18.00	21.87	21.62	21.42
			39.00	21.97	21.58	21.24
		75	0.00	21.85	21.63	21.31
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				18700	18900	19100
20MHz	QPSK	1	0.00	23.85	23.73	23.43
			50.00	23.76	23.46	23.25
			99.00	23.78	23.39	23.12
		50	0.00	22.67	22.49	22.39
			25.00	22.74	22.40	22.25
			50.00	22.72	22.39	22.12
		100	0.00	22.71	22.55	22.26
	16QAM	1	0.00	23.06	22.35	22.46
			50.00	23.02	22.29	22.39
			99.00	22.97	22.16	22.29
		50	0.00	21.77	21.71	21.52
			25.00	21.79	21.63	21.40
			50.00	21.78	21.56	21.35
		100	0.00	21.85	21.54	21.34

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LTE Band 4

Conducted Power of LTE Band 4						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				19957	20175	20393
1.4MHz	QPSK	1	0.00	23.41	22.96	22.89
			2.00	23.37	23.01	22.87
			5.00	23.29	22.98	22.88
		3	0.00	23.25	23.02	22.78
			2.00	23.23	22.93	23.08
			3.00	23.22	22.99	22.85
		6	0.00	22.31	22.04	21.85
	16QAM	1	0.00	22.68	22.38	22.49
			2.00	22.65	22.38	22.51
			5.00	22.62	22.33	22.56
		3	0.00	22.04	21.74	21.68
			2.00	22.05	21.75	21.67
			3.00	22.02	21.75	21.61
		6	0.00	21.50	21.21	21.12
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				19965	20175	20385
3MHz	QPSK	1	0.00	23.22	23.13	22.87
			7.00	23.27	23.14	22.89
			14.00	23.18	23.10	22.82
		8	0.00	22.21	21.97	21.83
			4.00	22.29	21.95	21.85
			7.00	22.26	21.93	21.82
		15	0.00	22.32	21.98	21.90
	16QAM	1	0.00	22.95	22.43	21.90
			7.00	22.94	22.98	21.90
			14.00	22.94	22.97	21.89
		8	0.00	21.52	21.19	21.05
			4.00	21.55	21.18	21.04
			7.00	21.50	21.12	21.06
		15	0.00	21.41	21.15	20.98

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Conducted Power of LTE Band 4						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				19975	20175	20375
5MHz	QPSK	1	0.00	23.30	23.02	22.71
			13.00	23.13	22.98	22.78
			24.00	23.06	22.96	22.74
		12	0.00	22.26	21.99	21.78
			6.00	22.26	21.94	21.93
			13.00	22.23	21.99	21.97
		25	0.00	22.26	21.98	21.84
	16QAM	1	0.00	22.75	22.71	21.92
			13.00	22.74	22.71	22.03
			24.00	22.70	22.74	21.90
		12	0.00	21.45	20.90	20.94
			6.00	21.46	20.88	21.03
			13.00	21.41	20.91	20.92
		25	0.00	21.48	21.00	20.97
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				20000	20175	20350
10MHz	QPSK	1	0.00	23.37	22.95	22.81
			25.00	23.28	22.91	22.88
			49.00	23.10	22.98	22.84
		25	0.00	22.19	22.00	21.85
			13.00	22.15	21.93	21.98
			25.00	22.13	21.92	22.01
		50	0.00	22.20	21.99	21.97
	16QAM	1	0.00	22.61	23.05	22.07
			25.00	22.55	22.98	22.21
			49.00	22.48	22.97	22.12
		25	0.00	21.38	21.06	20.82
			13.00	21.30	21.11	20.98
			25.00	21.25	21.16	20.93
		50	0.00	21.24	21.08	20.92

Conducted Power of LTE Band 4						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				20025	20175	20325
15MHz	QPSK	1	0.00	23.18	23.01	22.83
			38.00	23.08	22.95	22.80
			74.00	22.96	22.94	22.85
		37	0.00	22.18	22.08	21.85
			18.00	22.12	21.96	21.87
			39.00	22.13	21.98	21.92
		75	0.00	22.19	21.90	21.90
	16QAM	1	0.00	22.61	23.13	22.10
			38.00	22.49	22.38	22.10
			74.00	22.40	22.38	22.10
		37	0.00	21.25	21.16	20.97
			18.00	21.21	21.13	20.92
			39.00	21.24	21.09	20.95
		75	0.00	21.20	21.18	20.92
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				20050	20175	20300
20MHz	QPSK	1	0.00	23.41	23.28	23.04
			50.00	23.21	23.14	22.96
			99.00	23.13	23.13	22.96
		50	0.00	22.23	22.13	21.80
			25.00	22.19	21.91	21.90
			50.00	22.04	21.95	21.90
		100	0.00	22.13	22.04	21.88
	16QAM	1	0.00	23.18	22.58	22.16
			50.00	23.04	22.46	22.15
			99.00	22.93	22.39	22.11
		50	0.00	21.22	21.30	21.08
			25.00	21.20	21.20	21.05
			50.00	21.14	21.16	21.11
		100	0.00	21.32	21.07	20.85

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LTE Band 5

Conducted Power of LTE Band 5						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				20407	20525	20643
1.4MHz	QPSK	1	0.00	23.89	23.68	23.81
			2.00	24.08	23.70	23.66
			5.00	24.15	23.63	23.66
		3	0.00	24.01	23.72	23.64
			2.00	23.79	23.73	23.63
			3.00	23.78	23.65	23.63
		6	0.00	22.71	22.60	22.57
	16QAM	1	0.00	22.65	22.98	22.41
			2.00	22.58	23.01	22.37
			5.00	22.66	22.98	22.39
		3	0.00	22.71	22.24	22.25
			2.00	22.67	22.25	22.14
			3.00	22.63	22.34	22.12
		6	0.00	21.90	21.74	21.76
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				20415	20525	20635
3MHz	QPSK	1	0.00	23.63	23.80	23.65
			7.00	23.60	23.81	23.58
			14.00	23.58	23.63	23.65
		8	0.00	22.65	22.61	22.64
			4.00	22.74	22.66	22.66
			7.00	22.70	22.65	22.70
		15	0.00	22.67	22.63	22.66
	16QAM	1	0.00	22.35	23.13	22.47
			7.00	22.42	23.14	22.51
			14.00	22.33	23.10	22.43
		8	0.00	21.88	21.79	21.78
			4.00	21.90	21.85	21.78
			7.00	21.79	21.86	21.75
		15	0.00	21.68	21.77	21.73

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Conducted Power of LTE Band 5						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				20425	20525	20625
5MHz	QPSK	1	0.00	23.72	23.80	23.50
			13.00	23.49	23.73	23.62
			24.00	23.50	23.81	23.63
		12	0.00	22.69	22.68	22.71
			6.00	22.60	22.69	22.65
			13.00	22.61	22.65	22.77
		25	0.00	22.64	22.60	22.69
	16QAM	1	0.00	22.85	22.47	22.00
			13.00	22.76	22.48	21.99
			24.00	22.84	22.46	22.08
		12	0.00	21.79	21.60	21.67
			6.00	21.81	21.55	21.72
			13.00	21.76	21.51	21.74
		25	0.00	21.74	21.72	21.81
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				20450	20525	20600
10MHz	QPSK	1	0.00	23.73	23.62	23.61
			25.00	23.60	23.68	23.55
			49.00	23.55	23.69	23.69
		25	0.00	22.56	22.56	22.54
			13.00	22.62	22.64	22.53
			25.00	22.58	22.58	22.60
		50	0.00	22.63	22.68	22.73
	16QAM	1	0.00	22.36	22.48	22.60
			25.00	22.33	22.55	22.74
			49.00	22.56	22.53	22.67
		25	0.00	21.77	21.81	21.61
			13.00	21.85	21.78	21.65
			25.00	21.79	21.78	21.70
		50	0.00	21.79	21.74	21.71

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Band 7

Conducted Power of LTE Band 7						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				20775	21100	21425
5MHz	QPSK	1	0.00	23.17	22.29	23.24
			13.00	23.15	22.23	23.19
			24.00	23.06	22.16	23.46
		12	0.00	22.32	21.27	22.41
			6.00	22.12	21.39	22.43
			13.00	22.11	21.22	22.47
		25	0.00	22.31	21.09	22.44
	16QAM	1	0.00	22.66	21.29	22.87
			13.00	22.78	21.24	22.98
			24.00	22.72	21.30	23.13
		12	0.00	21.19	20.31	21.73
			6.00	21.23	20.36	21.62
			13.00	21.17	20.41	21.62
		25	0.00	21.19	20.41	21.66
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				20800	21100	21400
10MHz	QPSK	1	0.00	23.16	22.11	22.98
			25.00	23.02	22.18	23.21
			49.00	22.84	22.32	23.38
		25	0.00	22.14	21.08	22.13
			13.00	22.04	21.08	22.24
			25.00	21.89	21.12	22.37
		50	0.00	21.93	21.19	22.33
	16QAM	1	0.00	22.87	21.63	22.41
			25.00	22.71	22.34	22.60
			49.00	22.37	22.43	22.77
		25	0.00	21.37	20.33	21.35
			13.00	21.31	20.44	21.49
			25.00	21.07	20.38	21.60
		50	0.00	21.09	20.32	21.39

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Conducted Power of LTE Band 7						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				20825	21100	21375
15MHz	QPSK	1	0.00	23.16	22.01	22.67
			38.00	22.81	22.11	23.01
			74.00	22.51	22.23	23.34
		36	0.00	22.08	21.19	21.90
			18.00	21.87	21.14	22.18
			39.00	21.69	21.12	22.31
		75	0.00	21.91	21.19	22.12
	16QAM	1	0.00	22.75	22.46	22.23
			38.00	22.44	22.47	22.49
			74.00	22.07	22.65	22.81
		36	0.00	21.18	20.34	21.17
			18.00	21.09	20.41	21.34
			39.00	20.88	20.42	21.53
		75	0.00	21.17	20.44	21.27
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				20850	21100	21350
20MHz	QPSK	1	0.00	23.30	22.47	22.60
			50.00	22.75	22.57	23.33
			99.00	22.38	22.73	22.89
		50	0.00	21.90	21.16	21.76
			25.00	21.77	21.14	22.28
			50.00	21.60	21.18	21.94
		100	0.00	21.67	21.20	21.98
	16QAM	1	0.00	22.93	22.07	22.19
			50.00	22.53	22.04	22.59
			99.00	22.23	22.24	22.72
		50	0.00	21.07	20.51	20.99
			25.00	20.93	20.45	21.28
			50.00	20.72	20.53	21.49
		100	0.00	21.01	20.40	21.15

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LTE Band 12

Conducted Power of LTE Band 12						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				23017	23095	23173
1.4MHz	QPSK	1	0.00	23.59	23.72	23.42
			2.00	23.65	23.57	23.45
			5.00	23.57	23.79	23.50
		3	0.00	23.66	23.44	23.51
			2.00	23.56	23.53	23.46
			3.00	23.66	23.47	23.48
		6	0.00	22.76	22.53	22.46
	16QAM	1	0.00	22.25	22.28	22.10
			2.00	22.26	22.36	22.22
			5.00	22.24	22.38	22.21
		3	0.00	22.20	22.39	22.09
			2.00	22.22	22.38	22.09
			3.00	22.13	22.42	22.08
		6	0.00	21.51	21.70	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				23025	23095	23165
3MHz	QPSK	1	0.00	23.61	23.69	23.36
			7.00	23.68	23.69	23.43
			14.00	23.69	23.66	23.47
		8	0.00	22.63	22.51	22.42
			4.00	22.68	22.47	22.59
			7.00	22.51	22.47	22.55
		15	0.00	22.52	22.56	22.33
	16QAM	1	0.00	22.41	22.36	22.26
			7.00	22.42	23.00	22.23
			14.00	22.41	23.00	22.35
		8	0.00	21.82	21.74	21.55
			4.00	21.77	21.69	21.46
			7.00	21.76	21.65	21.51
		15	0.00	21.46	21.56	21.56

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Conducted Power of LTE Band 12						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				23035	23095	23155
5MHz	QPSK	1	0.00	23.63	23.66	23.38
			12.00	23.46	23.59	23.36
			24.00	23.42	23.55	23.36
		12	0.00	22.67	22.49	22.34
			6.00	22.60	22.42	22.42
			13.00	22.53	22.50	22.47
		25	0.00	22.51	22.40	22.45
	16QAM	1	0.00	22.60	22.08	21.77
			12.00	22.70	22.09	21.86
			24.00	22.74	22.13	21.77
		12	0.00	21.74	21.34	21.51
			6.00	21.65	21.57	21.44
			13.00	21.71	21.55	21.48
		25	0.00	21.63	21.61	21.51
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				23060	23095	23130
10MHz	QPSK	1	0.00	23.51	23.49	23.50
			25.00	23.47	23.71	23.34
			49.00	23.49	23.58	23.41
		25	0.00	22.65	22.59	22.39
			12.00	22.54	22.52	22.47
			25.00	22.46	22.53	22.50
		50	0.00	22.61	22.47	22.32
	16QAM	1	0.00	22.37	22.21	22.15
			25.00	22.45	22.24	22.43
			49.00	22.35	22.27	22.47
		25	0.00	21.65	21.64	21.46
			12.00	21.65	21.61	21.38
			25.00	21.66	21.63	21.41
		50	0.00	21.65	21.56	21.54

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LTE Band 17

Conducted Power of LTE Band 17						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				23755	23790	23825
5MHz	QPSK	1	0.00	23.62	23.37	23.46
			13.00	23.65	23.33	23.33
			24.00	23.53	23.50	23.32
		12	0.00	22.49	22.44	22.43
			6.00	22.58	22.48	22.51
			13.00	22.44	22.42	22.52
		25	0.00	22.44	22.37	22.53
	16QAM	1	0.00	22.51	21.81	22.63
			13.00	22.49	21.75	22.61
			24.00	22.46	21.73	22.62
		12	0.00	21.52	21.49	21.62
			6.00	21.53	21.53	21.63
			13.00	21.53	21.51	21.56
		25	0.00	21.65	21.56	21.48
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				23780	23790	23800
10MHz	QPSK	1	0.00	23.55	23.54	23.51
			25.00	23.38	23.48	23.37
			49.00	23.46	23.52	23.48
		25	0.00	22.49	22.49	22.45
			13.00	22.57	22.33	22.35
			25.00	22.50	22.46	22.55
		50	0.00	22.42	22.35	22.37
	16QAM	1	0.00	22.15	22.22	22.49
			25.00	22.12	22.26	22.46
			49.00	22.35	22.23	22.47
		25	0.00	21.60	21.53	21.38
			13.00	21.58	21.63	21.41
			25.00	21.65	21.57	21.45
		50	0.00	21.50	21.49	21.45

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LTE Band 25

Conducted Power of LTE Band 25						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				26047	26365	26683
1.4MHz	QPSK	1	0.00	23.49	23.04	22.22
			2.00	23.65	22.97	22.17
			5.00	23.63	23.05	22.19
		3	0.00	23.54	23.11	22.24
			2.00	23.56	23.02	22.20
			3.00	23.57	22.96	22.12
		6	0.00	22.55	22.04	21.20
	16QAM	1	0.00	23.30	22.60	21.26
			2.00	23.26	22.55	21.19
			5.00	23.30	22.53	21.20
		3	0.00	22.81	22.05	21.02
			2.00	22.79	21.99	21.06
			3.00	22.78	22.04	21.10
		6	0.00	21.86	21.06	20.29
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				26055	26365	26675
3MHz	QPSK	1	0.00	23.52	23.02	22.18
			7.00	23.50	23.01	22.10
			14.00	23.44	22.96	22.15
		8	0.00	22.54	22.01	21.29
			4.00	22.55	22.00	21.29
			7.00	22.49	22.00	21.20
		15	0.00	22.51	21.94	21.30
	16QAM	1	0.00	22.58	23.02	21.99
			7.00	22.57	23.02	21.93
			14.00	22.52	22.95	21.94
		8	0.00	21.84	21.15	20.52
			4.00	21.81	21.21	20.53
			7.00	21.83	21.11	20.50
		15	0.00	21.65	21.04	20.36

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Conducted Power of LTE Band 25						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				26065	26365	26665
5MHz	QPSK	1	0.00	23.44	23.20	22.23
			13.00	23.45	23.16	22.16
			24.00	23.46	23.09	22.12
		12	0.00	22.55	22.15	21.37
			6.00	22.56	22.11	21.36
			13.00	22.56	22.09	21.26
		25	0.00	22.58	22.16	21.32
	16QAM	1	0.00	23.13	22.63	21.05
			13.00	23.05	22.73	21.02
			24.00	23.18	22.72	20.89
		12	0.00	21.59	21.21	20.38
			6.00	21.65	21.16	20.41
			13.00	21.63	21.15	20.36
		25	0.00	21.74	21.14	20.45
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				26090	26365	26640
10MHz	QPSK	1	0.00	23.53	23.11	22.44
			25.00	23.61	22.98	22.31
			49.00	23.54	22.91	22.22
		25	0.00	22.55	22.11	21.37
			13.00	22.49	22.14	21.25
			25.00	22.62	21.98	21.27
		50	0.00	22.48	22.11	21.39
	16QAM	1	0.00	22.55	22.89	22.40
			25.00	22.54	22.78	22.03
			49.00	22.80	22.64	21.99
		25	0.00	21.80	21.30	20.46
			13.00	21.81	21.19	20.45
			25.00	21.74	21.10	20.42
		50	0.00	21.66	21.23	20.40

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Conducted Power of LTE Band 25						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				26115	26365	26615
15MHz	QPSK	1	0.00	23.44	23.10	22.37
			38.00	23.45	22.99	22.24
			74.00	23.36	22.82	22.18
		37	0.00	22.64	22.14	21.57
			18.00	22.65	22.06	21.47
			39.00	22.50	22.00	21.34
		75	0.00	22.48	22.11	21.43
	16QAM	1	0.00	23.32	23.71	22.49
			38.00	23.30	23.43	22.34
			74.00	23.25	22.68	22.22
		38	0.00	21.69	21.29	20.75
			18.00	21.65	21.21	20.58
			39.00	21.71	21.03	20.55
		75	0.00	21.62	21.16	20.52
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				26140	26365	26590
20MHz	QPSK	1	0.00	23.60	23.46	22.75
			50.00	23.55	23.24	22.49
			99.00	23.54	23.05	22.36
		50	0.00	22.47	22.14	21.51
			25.00	22.48	22.01	21.40
			50.00	22.41	21.92	21.37
		100	0.00	22.48	22.11	21.43
	16QAM	1	0.00	23.81	22.79	22.20
			50.00	23.76	22.56	22.12
			99.00	23.72	22.32	21.96
		50	0.00	21.64	21.36	20.80
			25.00	21.55	21.23	20.68
			50.00	21.62	21.13	20.56
		100	0.00	21.70	21.10	20.66

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LTE Band 41

Conducted Power of LTE Band 41						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				39675	40620	41565
5MHz	QPSK	1	0.00	23.55	24.85	24.55
			13.00	23.33	24.80	24.52
			24.00	23.19	24.85	24.38
		12	0.00	22.39	23.81	23.45
			6.00	22.48	23.86	23.53
			13.00	22.46	23.87	23.54
		25	0.00	22.35	23.85	23.34
	16QAM	1	0.00	24.18	24.20	24.05
			13.00	24.05	24.27	23.97
			24.00	24.02	24.42	23.94
		12	0.00	21.48	22.78	22.49
			6.00	21.43	22.90	22.59
			13.00	21.51	22.84	22.55
		25	0.00	21.64	23.09	22.65
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				39700	40620	41540
10MHz	QPSK	1	0.00	23.35	24.73	24.79
			25.00	23.10	24.89	24.49
			49.00	22.99	24.96	24.30
		25	0.00	22.45	23.74	23.64
			13.00	22.33	23.82	23.46
			25.00	22.23	23.88	23.32
		50	0.00	22.36	23.72	23.45
	16QAM	1	0.00	22.97	25.31	24.14
			25.00	22.75	25.48	23.89
			49.00	23.14	25.60	23.82
		25	0.00	21.90	23.03	22.75
			13.00	21.73	23.04	22.68
			25.00	21.60	23.10	22.65
		50	0.00	21.43	23.06	22.79

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Conducted Power of LTE Band 41						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				39725	40620	41515
15MHz	QPSK	1	0.00	23.40	24.64	24.58
			38.00	23.13	24.84	24.54
			74.00	23.01	25.06	24.38
		37	0.00	22.32	23.57	23.73
			18.00	22.28	23.74	23.59
			39.00	22.03	23.83	23.54
		75	0.00	22.31	23.76	23.48
	16QAM	1	0.00	23.14	25.24	24.45
			38.00	23.17	25.51	24.22
			74.00	22.34	25.67	23.98
		37	0.00	21.57	22.79	22.91
			18.00	21.36	22.87	22.84
			39.00	21.28	23.09	22.57
		75	0.00	21.45	22.92	22.79
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				39750	40620	41490
20MHz	QPSK	1	0.00	23.65	24.61	24.82
			50.00	23.15	24.84	24.63
			99.00	22.92	24.80	24.19
		50	0.00	22.26	23.67	23.70
			25.00	22.05	23.93	23.62
			50.00	21.98	23.87	23.39
		100	0.00	22.17	23.77	23.64
	16QAM	1	0.00	23.75	23.80	25.34
			50.00	23.40	24.27	25.02
			99.00	23.06	24.46	24.68
		50	0.00	21.56	22.90	23.11
			25.00	21.35	23.11	23.01
			50.00	21.23	23.25	22.84
		100	0.00	21.30	23.02	22.82

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LTE Band 66

Conducted Power of LTE Band 66						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				131979	132322	132665
1.4MHz	QPSK	1	0.00	23.39	22.77	23.21
			2.00	23.34	22.83	23.26
			5.00	23.28	22.80	23.29
		3	0.00	23.77	23.28	23.85
			2.00	23.73	23.27	23.77
			3.00	23.81	23.27	23.74
		6	0.00	22.35	21.85	22.27
	16QAM	1	0.00	22.62	22.48	22.84
			2.00	22.65	22.43	22.84
			5.00	22.60	22.46	22.87
		3	0.00	21.95	21.76	21.93
			2.00	21.99	21.53	21.96
			3.00	21.97	21.55	21.95
		6	0.00	21.49	21.09	21.37
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				131987	132322	132657
3MHz	QPSK	1	0.00	23.20	22.77	23.11
			7.00	23.16	22.70	23.12
			14.00	23.18	22.73	23.14
		8	0.00	22.69	22.23	22.66
			4.00	22.72	22.28	22.74
			7.00	22.70	22.28	22.73
		15	0.00	22.28	21.77	22.21
	16QAM	1	0.00	22.93	22.82	22.41
			7.00	22.92	22.89	22.43
			14.00	22.82	22.84	22.38
		8	0.00	21.55	20.97	21.35
			4.00	21.45	20.99	21.28
			7.00	21.48	20.94	21.29
		15	0.00	21.36	21.06	21.21

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Conducted Power of LTE Band 66						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				131997	132322	132647
5MHz	QPSK	1	0.00	23.25	22.85	23.02
			13.00	23.03	22.74	23.04
			24.00	23.03	22.76	23.10
		12	0.00	22.72	22.36	22.63
			6.00	22.73	22.35	22.72
			13.00	22.78	22.37	22.68
		25	0.00	22.25	21.80	22.29
	16QAM	1	0.00	22.73	22.44	22.18
			13.00	22.70	22.50	22.05
			24.00	22.65	22.57	22.07
		12	0.00	21.44	20.84	21.23
			6.00	21.37	20.89	21.26
			13.00	21.33	20.77	21.22
		25	0.00	21.38	20.80	21.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				132022	132322	132622
10MHz	QPSK	1	0.00	23.34	22.96	23.07
			25.00	23.17	22.96	23.10
			49.00	23.13	22.90	23.23
		25	0.00	22.14	21.83	22.10
			13.00	22.18	21.78	22.15
			25.00	22.11	21.83	22.21
		50	0.00	22.17	21.86	22.18
	16QAM	1	0.00	22.58	22.56	22.42
			25.00	22.49	22.54	22.48
			49.00	22.40	22.52	22.63
		25	0.00	21.31	20.96	21.18
			13.00	21.33	20.99	21.24
			25.00	21.29	20.94	21.26
		50	0.00	21.22	20.96	21.24

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Conducted Power of LTE Band 66						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				132047	132322	132597
15MHz	QPSK	1	0.00	23.16	22.91	23.09
			38.00	23.02	22.91	23.05
			74.00	22.91	22.94	23.23
		38	0.00	22.17	21.88	22.04
			18.00	22.16	21.89	22.16
			39.00	22.14	21.87	22.23
		75	0.00	22.18	21.87	22.14
	16QAM	1	0.00	22.60	22.50	22.47
			38.00	22.46	22.54	22.49
			74.00	22.37	22.59	22.56
		38	0.00	21.31	21.00	21.12
			18.00	21.26	20.89	21.12
			39.00	21.21	20.97	21.22
		75	0.00	21.21	20.90	21.18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				132072	132322	132572
20MHz	QPSK	1	0.00	23.41	23.15	22.84
			50.00	23.16	23.13	22.98
			99.00	23.09	23.06	23.18
		50	0.00	22.16	21.73	22.08
			25.00	22.05	21.77	22.02
			50.00	22.01	21.82	22.16
		100	0.00	22.02	21.85	22.07
	16QAM	1	0.00	23.14	22.45	22.66
			50.00	22.93	22.43	22.72
			99.00	22.86	22.49	22.90
		50	0.00	21.23	21.02	21.22
			25.00	21.12	20.97	21.25
			50.00	21.03	21.00	21.33
		100	0.00	21.26	20.92	21.16

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LTE Band 71

Conducted Power of LTE Band 71						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				133147	133297	133447
5MHz	QPSK	1	0.00	23.83	23.65	23.66
			13.00	23.87	23.69	23.52
			24.00	23.81	23.59	23.47
		12	0.00	22.76	22.58	22.69
			6.00	22.74	22.65	22.69
			13.00	22.84	22.50	22.51
		25	0.00	22.71	22.66	22.62
	16QAM	1	0.00	22.59	22.00	22.68
			13.00	22.62	21.94	22.67
			24.00	22.57	21.96	22.70
		12	0.00	21.66	21.68	21.69
			6.00	21.67	21.67	21.71
			13.00	21.83	22.11	21.72
		25	0.00	21.79	21.74	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				133172	133297	133422
10MHz	QPSK	1	0.00	23.61	23.70	23.69
			25.00	23.61	23.68	23.57
			49.00	23.75	23.73	23.55
		25	0.00	22.84	22.64	22.70
			13.00	22.78	22.57	22.59
			25.00	22.62	22.60	22.62
		50	0.00	22.74	22.66	22.55
	16QAM	1	0.00	22.39	23.15	22.41
			25.00	22.32	23.09	22.64
			49.00	22.35	23.16	22.64
		25	0.00	21.84	21.78	21.63
			13.00	21.79	21.73	21.60
			25.00	21.78	22.21	21.58
		50	0.00	21.72	21.73	21.54

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Conducted Power of LTE Band 71						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				133197	133297	133397
15MHz	QPSK	1	0.00	23.70	23.71	23.72
			38.00	23.66	23.65	23.65
			74.00	23.77	23.76	23.65
		38	0.00	22.73	22.67	22.78
			18.00	22.62	22.52	22.65
			39.00	22.64	22.72	22.73
		75	0.00	22.59	22.57	22.68
	16QAM	1	0.00	22.92	23.21	22.36
			38.00	22.97	23.21	22.39
			74.00	22.99	23.28	22.36
		38	0.00	21.77	21.68	21.73
			18.00	21.78	21.63	21.79
			39.00	22.31	21.76	21.69
		75	0.00	21.70	21.70	21.78
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				133222	133322	133372
20MHz	QPSK	1	0.00	23.83	23.68	23.56
			50.00	23.80	23.71	23.63
			99.00	23.82	23.58	23.56
		50	0.00	22.79	22.56	22.57
			25.00	22.59	22.59	22.62
			50.00	22.64	22.73	22.63
		100	0.00	22.66	22.56	22.59
	16QAM	1	0.00	22.78	22.74	22.21
			50.00	22.82	22.77	22.22
			99.00	22.81	22.76	22.14
		50	0.00	21.66	21.76	21.67
			25.00	21.73	22.09	21.78
			50.00	21.72	21.81	21.71
		100	0.00	21.67	22.10	21.68

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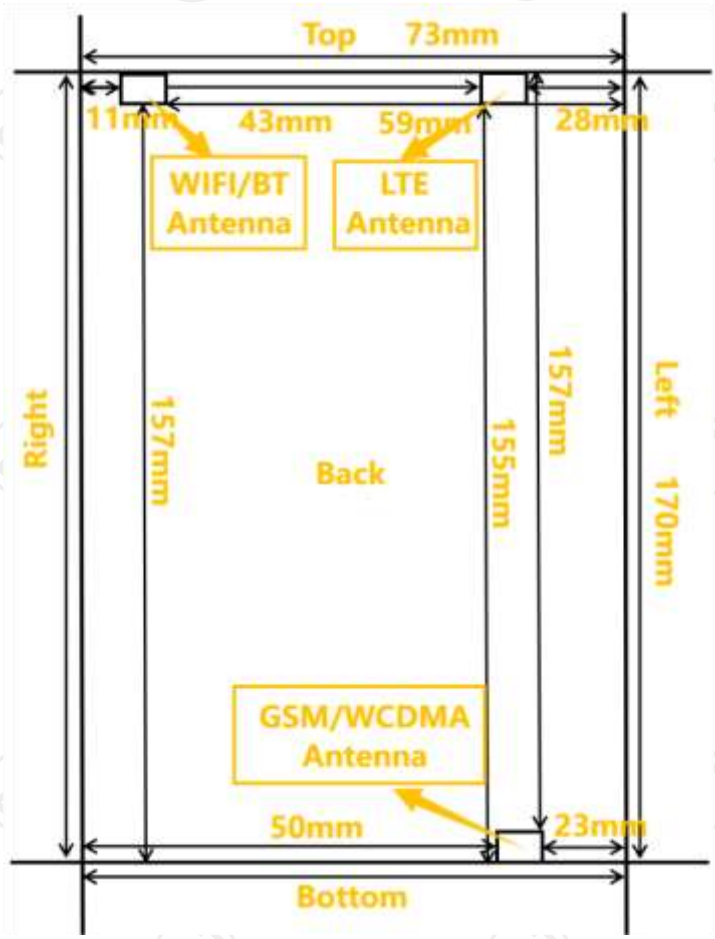
9. Exposure Position Consideration

9.1. EUT Antenna Location



9.2. Test Position Consideration

Test Positions						
Mode	**Back Side**	**Front Side**	**Top Side**	**Bottom Side**	**Right Side**	**Left Side**
GSM/WCDMA	Yes	Yes	No	Yes	No	Yes
LTE	Yes	Yes	Yes	No	No	Yes
WIFI/BT	Yes	Yes	Yes	No	Yes	No

Note:

1. KDB941225 D06, particular DUT edges were not required to be evaluated for SAR if the antenna-to-edge distance is greater than 25mm.
2. The product only supports public address and no earpiece, so only the front and bottom need to be tested.
3. WWAN diversity antenna is RX only.

10. SAR Test Results Summary

10.1. Head 1g SAR Data

Band	Mode	Test Position	CH.	Freq. (MHz)	Ave. Power (dBm)	Tune-Up Limit (dBm)	Power Drift (%)	Meas. SAR1g (W/kg)	Scaling Factor	Reported SAR1g (W/kg)	Limit (W/Kg)
GSM850	voice	Left Cheek	128	824.2	32.29	33.00	-4.32	0.09	1.178	**0.11**	1.60
		Left Tilt	128	824.2	32.29	33.00	2.62	0.06	1.178	0.07	
		Right Cheek	128	824.2	32.29	33.00	1.26	0.08	1.178	0.09	
		Right Tilt	128	824.2	32.29	33.00	3.46	0.05	1.178	0.06	
GSM1900	voice	Left Cheek	512	1850.2	29.65	30.50	-3.25	0.09	1.216	**0.11**	
		Left Tilt	512	1850.2	29.65	30.50	-1.65	0.07	1.216	0.09	
		Right Cheek	512	1850.2	29.65	30.50	-0.46	0.08	1.216	0.10	
		Right Tilt	512	1850.2	29.65	30.50	3.89	0.07	1.216	0.09	
WCDMA Band II	RMC	Left Cheek	9538	1907.6	22.93	23.50	-0.69	0.13	1.140	**0.15**	
		Left Tilt	9538	1907.6	22.93	23.50	1.23	0.09	1.140	0.10	
		Right Cheek	9538	1907.6	22.93	23.50	-4.05	0.11	1.140	0.13	
		Right Tilt	9538	1907.6	22.93	23.50	2.65	0.08	1.140	0.09	
WCDMA Band IV	RMC	Left Cheek	1513	1752.6	23.73	24.50	-4.21	0.10	1.194	**0.12**	
		Left Tilt	1513	1752.6	23.73	24.50	3.56	0.07	1.194	0.08	
		Right Cheek	1513	1752.6	23.73	24.50	-0.85	0.09	1.194	0.11	
		Right Tilt	1513	1752.6	23.73	24.50	4.16	0.06	1.194	0.07	
WCDMA Band V	RMC	Left Cheek	4132	826.4	23.00	24.00	1.98	0.75	1.259	0.94	
		Left Cheek	4183	836.6	23.03	24.00	0.65	0.80	1.250	**1.00**	
		Left Cheek	4233	846.6	22.97	23.50	-4.55	0.71	1.130	0.80	
		Left Tilt	4183	836.6	23.03	24.00	4.23	0.70	1.250	0.88	
		Right Cheek	4183	836.6	23.03	24.00	-4.92	0.74	1.250	0.93	
		Right Tilt	4183	836.6	23.03	24.00	-1.59	0.65	1.250	0.81	
2.4G	802.11b	Left Cheek	6	2437	16.14	17.00	-2.53	0.02	1.219	**0.02**	
		Left Tilt	6	2437	16.14	17.00	1.67	0.01	1.219	0.01	
		Right Cheek	6	2437	16.14	17.00	-0.96	0.02	1.219	0.02	
		Right Tilt	6	2437	16.14	17.00	-3.23	0.01	1.219	0.01	

5.2G	802.11a	Left Cheek	48	5240	14.21	15.00	-2.36	0.20	1.199	**0.24**	**1.60**
		Left Tilt	48	5240	14.21	15.00	3.45	0.16	1.199	0.19	
		Right Cheek	48	5240	14.21	15.00	-0.56	0.17	1.199	0.20	
		Right Tilt	48	5240	14.21	15.00	3.02	0.14	1.199	0.17	
5.3G	802.11n	Left Cheek	54	5270	14.35	15.00	-4.32	0.27	1.161	**0.31**	
		Left Tilt	54	5270	14.35	15.00	-3.16	0.24	1.161	0.28	
		Right Cheek	54	5270	14.35	15.00	-0.08	0.25	1.161	0.29	
		Right Tilt	54	5270	14.35	15.00	2.14	0.22	1.161	0.26	
5.6G	802.11ac	Left Cheek	122	5610	15.51	16.50	-4.06	0.09	1.256	**0.11**	
		Left Tilt	122	5610	15.51	16.50	2.12	0.06	1.256	0.08	
		Right Cheek	122	5610	15.51	16.50	0.69	0.08	1.256	0.10	
		Right Tilt	122	5610	15.51	16.50	0.02	0.06	1.256	0.08	
5.8G	802.11n	Left Cheek	151	5755	14.74	15.50	-3.69	0.30	1.191	**0.36**	
		Left Tilt	151	5755	14.74	15.50	1.85	0.24	1.191	0.29	
		Right Cheek	151	5755	14.74	15.50	4.21	0.26	1.191	0.31	
		Right Tilt	151	5755	14.74	15.50	-0.52	0.21	1.191	0.25	
Bluetooth	EDR	Left Cheek	39	2441	5.82	6.50	-1.98	0.02	1.169	**0.02**	
		Left Tilt	39	2441	5.82	6.50	2.15	0.01	1.169	0.01	
		Right Cheek	39	2441	5.82	6.50	2.59	0.02	1.169	0.02	
		Right Tilt	39	2441	5.82	6.50	-0.47	0.01	1.169	0.01	

Band	Mode	Test Position	CH.	Freq. (MHz)	RB allocation	RB offset	Ave. Power (dBm)	Tune-Up Limit (dBm)	Power Drift (%)	Meas. SAR1g (W/kg)	Scaling Factor	Reported SAR1g (W/kg)
LTE Band 2	QPSK (20MHz)	Right Cheek	18700	1860	1	0	23.85	24.50	0.06	0.13	1.161	0.15
					50	25	22.74	23.50	-4.23	0.11	1.191	0.13
		Right Tilt	18700	1860	1	0	23.85	24.50	-3.59	0.12	1.161	0.14
					50	25	22.74	23.50	1.33	0.08	1.191	0.10
		Left Cheek	18700	1860	1	0	23.85	24.50	4.59	0.15	1.161	**0.17**
					50	25	22.74	23.50	0.19	0.13	1.191	0.15
		Left Tilt	18700	1860	1	0	23.85	24.50	-4.75	0.12	1.161	0.14
					50	25	22.74	23.50	2.16	0.10	1.191	0.12

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LTE Band 4	QPSK (20MHz)	Right Cheek	20050	1720	1	0	23.41	24.00	3.45	0.64	1.146	0.73
					50	0	22.23	23.00	-4.26	0.63	1.194	0.75
		Right Tilt	20050	1720	1	0	23.41	24.00	1.65	0.61	1.146	0.70
					50	0	22.23	23.00	-3.12	0.59	1.194	0.70
		Left Cheek	20050	1720	1	0	23.41	24.00	2.13	0.71	1.146	**0.81**
					50	0	22.23	23.00	4.22	0.65	1.194	0.78
		Left Cheek	20175	1732.5	1	0	23.28	24.00	0.17	0.62	1.180	0.73
		Left Cheek	20300	1745	1	0	23.04	24.00	-2.01	0.57	1.247	0.71
		Left Tilt	20050	1720	1	0	23.41	24.00	-0.32	0.63	1.146	0.72
					50	0	22.23	23.00	-3.05	0.61	1.194	0.73
LTE Band 5	QPSK (10MHz)	Right Cheek	20450	829	1	0	23.73	24.50	2.56	0.12	1.194	0.14
					25	13	22.62	23.50	-4.25	0.10	1.225	0.12
		Right Tilt	20450	829	1	0	23.73	24.50	-3.23	0.11	1.194	0.13
					25	13	22.62	23.50	4.06	0.07	1.225	0.09
		Left Cheek	20450	829	1	0	23.73	24.50	-0.33	0.13	1.194	**0.16**
					25	13	22.62	23.50	1.25	0.11	1.225	0.13
		Left Tilt	20450	829	1	0	23.73	24.50	2.98	0.11	1.194	0.13
					25	13	22.62	23.50	-3.42	0.08	1.225	0.10
LTE Band 7	QPSK (20MHz)	Right Cheek	21350	2560	1	49	23.33	24.00	3.11	0.27	1.167	0.32
					50	25	22.28	23.00	-3.25	0.24	1.180	0.28
		Right Tilt	21350	2560	1	49	23.33	24.00	-0.62	0.25	1.167	0.29
					50	25	22.28	23.00	4.80	0.23	1.180	0.27
		Left Cheek	21350	2560	1	49	23.33	24.00	-1.26	0.29	1.167	**0.34**
					50	25	22.28	23.00	2.10	0.26	1.180	0.31
		Left Tilt	21350	2560	1	49	23.33	24.00	-1.63	0.26	1.167	0.30
					50	25	22.28	23.00	4.71	0.23	1.180	0.27

LTE Band 12	QPSK (10MHz)	Right Cheek	23095	707.5	1	25	23.71	24.50	0.25	0.63	1.199	0.76
					25	0	22.59	23.50	-3.65	0.56	1.233	0.69
		Right Tilt	23095	707.5	1	25	23.71	24.50	-0.42	0.58	1.199	0.70
					25	0	22.59	23.50	3.20	0.52	1.233	0.64
		Left Cheek	23060	704	1	25	23.47	24.00	-0.49	0.61	1.130	0.69
		Left Cheek	23095	707.5	1	25	23.71	24.50	2.53	0.71	1.199	**0.85**
					25	0	22.59	23.50	-4.95	0.59	1.233	0.73
		Left Cheek	23130	711	1	25	23.34	24.00	-3.13	0.58	1.164	0.68
		Left Tilt	23095	707.5	1	25	23.71	24.50	2.14	0.60	1.199	0.72
					25	0	22.59	23.50	3.05	0.55	1.233	0.68
LTE Band 17	QPSK (10MHz)	Right Cheek	23780	709	1	0	23.55	24.50	3.26	0.08	1.245	0.10
					25	13	22.57	23.50	1.00	0.06	1.239	0.07
		Right Tilt	23780	709	1	0	23.55	24.50	-1.65	0.07	1.245	0.09
					25	13	22.57	23.50	2.57	0.04	1.239	0.05
		Left Cheek	23780	709	1	0	23.55	24.50	-2.86	0.09	1.245	**0.11**
					25	13	22.57	23.50	3.68	0.06	1.239	0.07
		Left Tilt	23780	709	1	0	23.55	24.50	-3.42	0.07	1.245	0.09
					25	13	22.57	23.50	0.60	0.05	1.239	0.06
LTE Band 25	QPSK (20MHz)	Right Cheek	26140	1860	1	0	23.60	24.50	4.12	0.48	1.230	0.59
					50	25	22.48	23.00	2.95	0.46	1.127	0.52
		Right Tilt	26140	1860	1	0	23.60	24.50	-3.06	0.45	1.230	0.55
					50	25	22.48	23.00	4.85	0.42	1.127	0.47
		Left Cheek	26140	1860	1	0	23.60	24.50	-3.20	0.53	1.230	**0.65**
					50	25	22.48	23.00	3.41	0.49	1.127	0.55
		Left Tilt	26140	1860	1	0	23.60	24.50	2.79	0.46	1.230	0.57
					50	25	22.48	23.00	-3.40	0.43	1.127	0.48

LTE Band 41 (HPUE)	QPSK (20MHz)	Right Cheek	40620	2593	1	50	24.84	25.50	0.59	0.81	1.164	0.94
					50	25	23.93	24.50	-2.19	0.77	1.140	0.88
		Right Tilt	40620	2593	1	50	24.84	25.50	3.42	0.76	1.164	0.88
					50	25	23.93	24.50	2.61	0.75	1.140	0.86
		Left Cheek	39750	2506	1	50	23.15	24.00	3.12	0.78	1.216	0.95
		Left Cheek	40620	2593	1	50	24.84	25.50	-2.69	0.87	1.164	**1.01**
					50	25	23.93	24.50	2.20	0.82	1.140	0.93
		Left Cheek	41490	2680	1	50	24.63	25.50	-4.30	0.82	1.222	1.00
		Left Tilt	40620	2593	1	50	24.84	25.50	3.95	0.79	1.164	0.92
					50	25	23.93	24.50	1.96	0.75	1.140	0.86
LTE Band 66	QPSK (20MHz)	Right Cheek	132072	1720	1	0	23.41	24.00	4.25	0.76	1.146	0.87
					50	0	22.16	23.00	-3.27	0.73	1.213	0.89
		Right Tilt	132072	1720	1	0	23.41	24.00	4.96	0.73	1.146	0.84
					50	0	22.16	23.00	0.16	0.70	1.213	0.85
		Left Cheek	132072	1720	1	0	23.41	24.00	-0.85	0.81	1.146	**0.93**
					50	0	22.16	23.00	2.13	0.75	1.213	0.91
		Left Cheek	132322	1745	1	0	23.15	24.00	4.62	0.75	1.216	0.91
		Left Cheek	132572	1770	1	0	22.84	23.50	3.77	0.72	1.164	0.84
		Left Tilt	132072	1720	1	0	23.41	24.00	3.09	0.74	1.146	0.85
					50	0	22.16	23.00	-2.11	0.72	1.213	0.87
LTE Band 71	QPSK (20MHz)	Right Cheek	133222	673.0	1	50	23.83	24.50	3.24	0.27	1.167	0.32
					50	25	22.79	23.50	-3.56	0.25	1.178	0.29
		Right Tilt	133222	673.0	1	0	23.83	24.50	1.95	0.25	1.167	0.29
					50	0	22.79	23.50	-0.42	0.22	1.178	0.26
		Left Cheek	133222	673.0	1	0	23.83	24.50	-1.03	0.29	1.167	**0.34**
					50	0	22.79	23.50	4.19	0.27	1.178	0.32
		Left Tilt	133222	673.0	1	0	23.83	24.50	-3.55	0.26	1.167	0.30
					50	0	22.79	23.50	2.68	0.24	1.178	0.28

10.2. Body-Worn 1g SAR Data

Band	Mode	Test Position with 10mm	CH.	Freq. (MHz)	Ave. Power (dBm)	Tune-Up Limit (dBm)	Power Drift (%)	Meas. SAR1g (W/kg)	Scaling Factor	Reported SAR1g (W/kg)	96Limit (W/Kg)
GSM850	voice	Front	128	824.2	32.29	33.00	2.63	0.19	1.178	0.22	1.60
		Back	128	824.2	32.29	33.00	-1.56	0.24	1.178	0.28	
	GPRS 3 slots	Front	128	824.2	28.72	29.50	4.52	0.26	1.197	0.31	
		Back	128	824.2	28.72	29.50	-0.32	0.32	1.197	**0.38**	
GSM1900	voice	Front	512	1850.2	29.65	30.50	3.12	0.07	1.216	0.09	
		Back	512	1850.2	29.65	30.50	-2.54	0.09	1.216	0.11	
	GPRS 3 slots	Front	512	1850.2	25.66	26.50	1.05	0.26	1.213	0.32	
		Back	512	1850.2	25.66	26.50	2.48	0.32	1.213	**0.39**	
WCDMA Band II	RMC	Front	9538	1907.6	22.93	23.50	0.42	0.23	1.140	0.26	
		Back	9538	1907.6	22.93	23.50	-2.63	0.27	1.140	**0.31**	
WCDMA Band IV	RMC	Front	1513	1752.6	23.73	24.50	2.54	0.74	1.194	0.88	
		Back	1312	1712.4	22.66	23.50	3.07	0.73	1.213	0.89	
		Back	1413	1732.6	23.20	24.00	-4.63	0.77	1.202	0.93	
		Back	1513	1752.6	23.73	24.50	-3.12	0.81	1.194	**0.97**	
WCDMA Band V	RMC	Front	4183	836.6	23.03	24.00	-1.57	0.10	1.250	0.13	
		Back	4183	836.6	23.03	24.00	2.96	0.12	1.250	**0.15**	
2.4G	802.11b	Front	6	2437	16.14	17.00	1.53	0.20	1.219	0.24	
		Back	6	2437	16.14	17.00	-0.96	0.24	1.219	**0.29**	
5.2G	802.11a	Front	48	5240	14.21	15.00	4.06	0.28	1.199	0.34	
		Back	48	5240	14.21	15.00	-2.53	0.34	1.199	**0.41**	
5.3G	802.11n	Front	54	5270	14.35	15.00	1.63	0.28	1.161	0.33	
		Back	54	5270	14.35	15.00	-3.62	0.35	1.161	**0.41**	
5.6G	802.11ac	Front	122	5610	15.51	16.50	2.84	0.25	1.256	0.31	
		Back	122	5610	15.51	16.50	-3.19	0.29	1.256	**0.36**	
5.8G	802.11n	Front	151	5755	14.74	15.50	3.20	0.27	1.191	0.32	
		Back	151	5755	14.74	15.50	-2.06	0.34	1.191	**0.40**	
Bluetooth	EDR	Front	39	2441	5.82	6.50	3.18	0.01	1.169	0.01	
		Back	39	2441	5.82	6.50	2.49	0.01	1.169	**0.01**	

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Band	Mode	Test Position with 10mm	CH.	Freq. (MHz)	RB allocation	RB offset	Ave. Power (dBm)	Tune-Up Limit (dBm)	Power Drift (%)	Meas. SAR1g (W/kg)	Scaling Factor	Reported SAR1g (W/kg)
LTE Band 2	QPSK (20MHz)	Front	18700	1860	1	0	23.85	24.50	3.25	0.52	1.161	0.60
					50	25	22.74	23.50	1.52	0.44	1.191	0.52
		Back	18700	1860	1	0	23.85	24.50	-4.56	0.57	1.161	**0.66**
					50	25	22.74	23.50	0.14	0.46	1.191	0.55
LTE Band 4	QPSK (20MHz)	Front	20050	1720	1	0	23.41	24.00	3.17	0.74	1.146	0.85
					50	0	22.23	23.00	4.26	0.71	1.194	0.85
		Back	20050	1720	1	0	23.41	24.00	-0.86	0.82	1.146	**0.94**
					50	0	22.23	23.00	-2.49	0.73	1.194	0.87
		Back	20175	1732.5	1	0	23.28	24.00	1.67	0.77	1.180	0.91
		Back	20300	1745	1	0	23.04	24.00	0.59	0.75	1.247	0.94
LTE Band 5	QPSK (10MHz)	Front	20450	829	1	0	23.73	24.50	4.26	0.34	1.194	0.41
					25	13	22.62	23.50	-1.32	0.28	1.225	0.34
		Back	20450	829	1	0	23.73	24.50	3.67	0.39	1.194	**0.47**
					25	13	22.62	23.50	4.75	0.31	1.225	0.38
LTE Band 7	QPSK (20MHz)	Front	21350	2560	1	49	23.33	24.00	-0.23	0.74	1.167	0.86
					50	25	22.28	23.00	1.66	0.70	1.180	0.83
		Back	20850	2510	1	49	22.75	23.50	2.97	0.82	1.189	0.97
		Back	21100	2535	1	49	22.57	23.50	-2.15	0.79	1.239	0.98
		Back	21350	2560	1	49	23.33	24.00	4.13	0.93	1.167	**1.09**
					50	25	22.28	23.00	0.79	0.85	1.180	1.00
LTE Band 12	QPSK (10MHz)	Front	23095	707.5	1	25	23.71	24.50	3.01	0.19	1.199	0.23
					25	0	22.59	23.50	-3.23	0.18	1.233	0.22
		Back	23095	707.5	1	25	23.71	24.50	-4.98	0.24	1.199	**0.29**
					25	0	22.59	23.50	2.99	0.21	1.233	0.26

LTE Band 17	QPSK (10MHz)	Front	23780	709	1	0	23.55	24.50	1.05	0.39	1.245	0.49
					25	13	22.57	23.50	-3.29	0.34	1.239	0.42
		Back	23780	709	1	0	23.55	24.50	-3.58	0.48	1.245	**0.60**
					25	13	22.57	23.50	0.95	0.42	1.239	0.52
LTE Band 25	QPSK (20MHz)	Front	26140	1860.0	1	0	23.60	24.50	-1.90	0.34	1.230	0.42
					50	25	22.48	23.00	3.55	0.31	1.127	0.35
		Back	26140	1860.0	1	0	23.60	24.50	-2.31	0.42	1.230	**0.52**
					50	25	22.48	23.00	4.03	0.36	1.127	0.41
LTE Band 41 (HPUE)	QPSK (20MHz)	Front	40620	2593.0	1	50	24.84	25.50	1.22	0.23	1.164	0.27
					50	25	23.93	24.50	4.92	0.21	1.140	0.24
		Back	40620	2593.0	1	50	24.84	25.50	-1.85	0.28	1.164	**0.33**
					50	25	23.93	24.50	3.17	0.25	1.140	0.29
LTE Band 66	QPSK (20MHz)	Front	132072	1720	1	0	23.41	24.00	2.33	0.68	1.146	0.78
					50	0	22.16	23.00	4.82	0.62	1.213	0.75
		Back	132072	1720	1	0	23.41	24.00	-1.95	0.76	1.146	**0.87**
					50	0	22.16	23.00	0.38	0.71	1.213	0.86
		Back	132322	1745	1	0	23.15	24.00	4.76	0.69	1.216	0.84
		Back	132572	1770	1	0	22.84	23.50	-0.99	0.63	1.164	0.73
LTE Band 71	QPSK (20MHz)	Front	133222	673.0	1	0	23.83	24.50	2.62	0.24	1.167	0.28
					50	0	22.79	23.50	3.56	0.20	1.178	0.24
		Back	133222	673.0	1	0	23.83	24.50	-1.98	0.31	1.167	**0.36**
					50	0	22.79	23.50	-4.01	0.27	1.178	0.32

Note:

1. Per KDB447498 D04, for each exposure position, if the highest output power channel Reported SAR ≤ 0.8W/kg, other channels SAR testing is not necessary.
2. Per KDB447498 D04, body-worn use is evaluated with the device positioned at 10 mm from a flat phantom filled with head tissue-equivalent medium.
3. Per KDB447498 D04, the report SAR is measured SAR value adjusted for maximum tune-up tolerance. Scaling Factor=10^[(tune-up limit power(dBm) - Ave.power power (dBm))/10], where tune-up limit is the maximum rated power among all production units.
   Reported SAR(W/kg)=Measured SAR (W/kg)*Scaling Factor.
4. Per KDB865664D01 v01r04 perform a second repeated measurement only the ratio of largest to smallest SAR for the original and first repeated measurement is >1.20 or when the original or repeated measurement is ≥ 1.45W/kg.
5. Perform a second measurement only if the original, first and second repeated measurement is ≥1.5w/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurement is >1.20.

10.3. Hotspot 1g SAR Data

Band	Mode	Test Position with10mm	CH.	Freq. (MHz)	Ave. Power (dBm)	Tune-Up Limit (dBm)	Power Drift (%)	Meas. SAR1g (W/kg)	Scaling Factor	Reported SAR1g (W/kg)	Limit (W/Kg)
GSM850	GPRS 3 slots	Front	128	824.2	28.72	29.50	4.32	0.23	1.197	0.28	1.60
		Back	128	824.2	28.72	29.50	0.37	0.29	1.197	**0.35**	
		Left	128	824.2	28.72	29.50	-1.69	0.19	1.197	0.23	
		Bottom	128	824.2	28.72	29.50	-0.88	0.25	1.197	0.30	
GSM1900	GPRS 3 slots	Front	512	1850.2	25.66	26.50	3.46	0.22	1.213	0.27	
		Back	512	1850.2	25.66	26.50	-1.05	0.29	1.213	**0.35**	
		Left	512	1850.2	25.66	26.50	-2.33	0.17	1.213	0.21	
		Bottom	512	1850.2	25.66	26.50	1.59	0.23	1.213	0.28	
WCDMA Band II	RMC	Front	9538	1907.6	22.93	23.50	3.25	0.18	1.140	0.21	
		Back	9538	1907.6	22.93	23.50	-1.99	0.23	1.140	**0.26**	
		Left	9538	1907.6	22.93	23.50	-2.02	0.14	1.140	0.16	
		Bottom	9538	1907.6	22.93	23.50	-1.67	0.16	1.140	0.18	
WCDMA Band IV	RMC	Front	1513	1752.6	23.73	24.50	2.11	0.65	1.194	0.78	
		Back	1312	1712.4	22.66	23.50	4.09	0.56	1.213	0.68	
		Back	1413	1732.6	23.20	24.00	3.22	0.62	1.202	0.75	
		Back	1513	1752.6	23.73	24.50	-3.25	0.74	1.194	**0.88**	
		Left	1513	1752.6	23.73	24.50	4.82	0.53	1.194	0.63	
		Bottom	1513	1752.6	23.73	24.50	0.30	0.62	1.194	0.74	
WCDMA Band V	RMC	Front	4183	836.6	23.03	24.00	4.26	0.08	1.250	0.10	
		Back	4183	836.6	23.03	24.00	-3.55	0.10	1.250	**0.13**	
		Left	4183	836.6	23.03	24.00	3.88	0.05	1.250	0.06	
		Bottom	4183	836.6	23.03	24.00	-1.52	0.07	1.250	0.09	
2.4G	802.11b	Front	6	2437	16.14	17.00	4.76	0.02	1.219	0.02	
		Back	6	2437	16.14	17.00	-3.26	0.03	1.219	**0.04**	
		Right	6	2437	16.14	17.00	0.05	0.01	1.219	0.01	
		Top	6	2437	16.14	17.00	-3.94	0.02	1.219	0.02	
5.2G	802.11a	Front	48	5240	14.21	15.00	1.12	0.26	1.199	0.31	
		Back	48	5240	14.21	15.00	-3.52	0.33	1.199	**0.40**	
		Right	48	5240	14.21	15.00	-2.96	0.22	1.199	0.26	
		Top	48	5240	14.21	15.00	-4.21	0.28	1.199	0.34	
5.4G	802.11n	Front	54	5270	14.35	15.00	1.74	0.25	1.161	0.29	
		Back	54	5270	14.35	15.00	-2.65	0.30	1.161	**0.35**	
		Right	54	5270	14.35	15.00	0.99	0.21	1.161	0.24	
		Top	54	5270	14.35	15.00	3.26	0.24	1.161	0.28	

5.6G	802.11ac	Front	122	5610	15.51	16.50	2.67	0.19	1.256	0.24	
		Back	122	5610	15.51	16.50	4.03	0.25	1.256	**0.31**	
		Right	122	5610	15.51	16.50	-4.58	0.15	1.256	0.19	
		Top	122	5610	15.51	16.50	3.49	0.17	1.256	0.21	
5.8G	802.11n	Front	151	5755	14.74	15.50	4.47	0.26	1.191	0.31	
		Back	151	5755	14.74	15.50	3.21	0.31	1.191	**0.37**	
		Right	151	5755	14.74	15.50	1.85	0.20	1.191	0.24	
		Top	151	5755	14.74	15.50	-4.01	0.24	1.191	0.29	

Band	Mode	Test Position with 10mm	CH.	Freq. (MHz)	RB allocation	RB offset	Ave. Power (dBm)	Tune-Up Limit (dBm)	Power Drift (%)	Meas. SAR1g (W/kg)	Scaling Factor	Reported SAR1g (W/kg)
LTE Band 2	QPSK (20MHz)	Front	18700	1860	1	0	23.85	24.50	3.66	0.46	1.161	0.53
					50	25	22.74	23.50	1.95	0.40	1.191	0.48
		Back	18700	1860	1	0	23.85	24.50	-4.03	0.52	1.161	**0.60**
					50	25	22.74	23.50	-1.27	0.45	1.191	0.54
		Left	18700	1860	1	0	23.85	24.50	0.86	0.37	1.161	0.43
					50	25	22.74	23.50	-0.60	0.36	1.191	0.43
		Top	18700	1860	1	0	23.85	24.50	4.71	0.41	1.161	0.48
					50	25	22.74	23.50	2.82	0.38	1.191	0.45
LTE Band 4	QPSK (20MHz)	Front	20050	1720	1	0	23.41	24.00	3.10	0.64	1.146	0.73
					50	0	22.23	23.00	2.65	0.61	1.194	0.73
		Back	20050	1720	1	0	23.41	24.00	-2.67	0.77	1.146	**0.88**
					50	0	22.23	23.00	-0.84	0.73	1.194	0.87
		Back	20175	1732.5	1	0	23.28	24.00	4.95	0.71	1.180	0.84
		Back	20300	1745	1	0	23.04	24.00	-2.56	0.65	1.247	0.81
		Left	20050	1720	1	0	23.41	24.00	3.06	0.52	1.146	0.60
					50	0	22.23	23.00	4.21	0.48	1.194	0.57
		Top	20050	1720	1	0	23.41	24.00	-4.19	0.61	1.146	0.70
					50	0	22.23	23.00	2.00	0.57	1.194	0.68
LTE Band 5	QPSK (10MHz)	Front	20450	829.0	1	0	23.73	24.50	4.55	0.28	1.194	0.33
					25	13	22.62	23.50	-2.79	0.26	1.225	0.32
		Back	20450	829.0	1	0	23.73	24.50	-2.19	0.35	1.194	**0.42**
					25	13	22.62	23.50	3.06	0.31	1.225	0.38
		Left	20450	829.0	1	0	23.73	24.50	4.23	0.22	1.194	0.26
					25	13	22.62	23.50	-0.87	0.19	1.225	0.23
		Top	20450	829.0	1	0	23.73	24.50	-3.26	0.25	1.194	0.30
					25	13	22.62	23.50	1.96	0.23	1.225	0.28

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LTE Band 7	QPSK (20MHz)	Front	21350	2560	1	49	23.33	24.00	3.15	0.78	1.167	0.91
					50	25	22.28	23.00	2.74	0.75	1.180	0.89
		Back	20850	2510	1	49	22.75	23.50	-2.07	0.83	1.189	0.99
		Back	21100	2535	1	49	22.57	23.50	1.02	0.80	1.239	0.99
		Back	21350	2560	1	49	23.33	24.00	-2.19	0.87	1.167	**1.02**
					50	25	22.28	23.00	0.36	0.82	1.180	0.97
		Left	21350	2560	1	49	23.33	24.00	0.21	0.69	1.167	0.81
					50	25	22.28	23.00	1.26	0.68	1.180	0.80
		Top	21350	2560	1	49	23.33	24.00	1.47	0.74	1.167	0.86
					50	25	22.28	23.00	-3.20	0.72	1.180	0.85
LTE Band 12	QPSK (10MHz)	Front	23095	707.5	1	25	23.71	24.50	0.62	0.19	1.199	0.23
					25	0	22.59	23.50	-1.74	0.18	1.233	0.22
		Back	23095	707.5	1	25	23.71	24.50	-4.36	0.22	1.199	**0.26**
					25	0	22.59	23.50	2.98	0.20	1.233	0.25
		Left	23095	707.5	1	25	23.71	24.50	4.59	0.15	1.199	0.18
					25	0	22.59	23.50	-3.28	0.14	1.233	0.17
		Top	23095	707.5	1	25	23.71	24.50	-0.08	0.18	1.199	0.22
					25	0	22.59	23.50	1.36	0.16	1.233	0.20
LTE Band 17	QPSK (10MHz)	Front	23780	709	1	0	23.55	24.50	2.08	0.39	1.245	0.49
					25	13	22.57	23.50	-3.16	0.36	1.239	0.45
		Back	23780	709	1	0	23.55	24.50	-1.63	0.44	1.245	**0.55**
					25	13	22.57	23.50	0.97	0.40	1.239	0.50
		Left	23780	709	1	0	23.55	24.50	-0.63	0.32	1.245	0.40
					25	13	22.57	23.50	2.88	0.28	1.239	0.35
		Top	23780	709	1	0	23.55	24.50	0.70	0.36	1.245	0.45
					25	13	22.57	23.50	-0.85	0.32	1.239	0.40
LTE Band 25	QPSK (20MHz)	Front	26140	1860.0	1	0	23.60	24.50	4.77	0.35	1.230	0.43
					50	25	22.48	23.00	1.52	0.32	1.127	0.36
		Back	26140	1860.0	1	0	23.60	24.50	-2.65	0.40	1.230	**0.49**
					50	25	22.48	23.00	-0.96	0.37	1.127	0.42
		Left	26140	1860.0	1	0	23.60	24.50	-3.17	0.28	1.230	0.34
					50	25	22.48	23.00	4.92	0.26	1.127	0.29
		Top	26140	1860.0	1	0	23.60	24.50	3.18	0.31	1.230	0.38
					50	25	22.48	23.00	-0.86	0.29	1.127	0.33

LTE Band 41	QPSK (20MHz)	Front	40620	2593.0	1	50	24.84	25.50	-0.29	0.23	1.164	0.27
					50	25	23.93	24.50	3.12	0.20	1.140	0.23
		Back	40620	2593.0	1	50	24.84	25.50	-0.35	0.26	1.164	**0.30**
					50	25	23.93	24.50	4.58	0.24	1.140	0.27
		Left	40620	2593.0	1	50	24.84	25.50	-4.03	0.18	1.164	0.21
					50	25	23.93	24.50	2.96	0.15	1.140	0.17
		Top	40620	2593.0	1	50	24.84	25.50	-3.25	0.20	1.164	0.23
					50	25	23.93	24.50	0.98	0.18	1.140	0.21
LTE Band 66	QPSK (20MHz)	Front	132072	1720	1	0	23.41	24.00	2.05	0.65	1.146	0.74
					50	0	22.16	23.00	-3.64	0.61	1.213	0.74
		Back	132072	1720	1	0	23.41	24.00	2.83	0.73	1.146	**0.84**
					50	0	22.16	23.00	2.33	0.68	1.213	0.82
		Back	132322	1745	1	0	23.15	24.00	-0.66	0.65	1.216	0.79
		Back	132572	1770	1	0	22.84	23.50	1.30	0.60	1.164	0.70
		Left	132072	1720	1	0	23.41	24.00	-1.09	0.51	1.146	0.58
					50	0	22.16	23.00	1.50	0.47	1.213	0.57
		Top	132072	1720	1	0	23.41	24.00	-0.89	0.62	1.146	0.71
					50	0	22.16	23.00	3.41	0.57	1.213	0.69
LTE Band 71	QPSK (20MHz)	Front	133222	673.0	1	0	23.83	24.50	2.52	0.26	1.167	0.30
					50	0	22.79	23.50	3.22	0.23	1.178	0.27
		Back	133222	673.0	1	0	23.83	24.50	-0.93	0.31	1.167	**0.36**
					50	0	22.79	23.50	-2.82	0.28	1.178	0.33
		Left	133222	673.0	1	0	23.83	24.50	-3.84	0.21	1.167	0.25
					50	0	22.79	23.50	0.97	0.18	1.178	0.21
		Top	133222	673.0	1	0	23.83	24.50	3.30	0.24	1.167	0.28
					50	0	22.79	23.50	4.70	0.21	1.178	0.25

Note:

1. Per KDB447498 D04, for each exposure position, if the highest output power channel Reported SAR ≤ 0.8W/kg, other channels SAR testing is not necessary.
2. Per KDB447498 D04, body-worn with hotspot use is evaluated with the device positioned at 10 mm from a flat phantom filled with head tissue-equivalent medium.
3. Per KDB447498 D04, the report SAR is measured SAR value adjusted for maximum tune-up tolerance. Scaling Factor=10^[(tune-up limit power(dBm) - Ave. power (dBm))/10], where tune-up limit is the maximum rated power among all production units.
   Reported SAR(W/kg)=Measured SAR (W/kg)*Scaling Factor.
4. Per KDB865664D01 v01r04 perform a second repeated measurement only the ratio of largest to smallest SAR for the original and first repeated measurement is >1.20 or when the original or repeated measurement is ≥ 1.45W/kg.
5. Perform a second measurement only if the original, first and second repeated measurement is ≥1.5w/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurement is >1.20.

10.4. Simultaneous Transmission Conclusion

Multi-Band Simultaneous Transmission Considerations

According to FCC KDB Publication 447498 D01v05r02, transmitters are considered to be transmitting simultaneously when there is overlapping transmission, with the exception of transmissions during network hand-offs with maximum hand-off duration less than 30 seconds. Possible transmission paths for the EUT are shown in below Figure and are color-coded to indicate communication modes which share the same path. Modes which share the same transmission path cannot transmit simultaneously with one another.

Simultaneous Transmission Paths

Simultaneous Transmission Possibilities

The Simultaneous Transmission Possibilities of this device are as below:

NO.	Configuration	Head	Body-Worn	Hotspot
1	GSM850/1900(Voice)+WIFI(2.4/5G)	YES	YES	NO
2	GPRS 850/1900(DATA)+WIFI(2.4)	NO	YES	YES
3	GPRS 850/1900(DATA)+WIFI(5G)	NO	YES	YES
4	WCDMA+ WIFI(2.4)	YES	YES	YES
5	WCDMA+ WIFI(5G)	YES	YES	YES
6	LTE+WIFI(2.4)	YES	YES	YES
7	LTE+WIFI(5G)	YES	YES	YES
8	GSM850/1900(Voice)+BT	YES	YES	NO
9	GPRS/EDGE 850/1900(DATA)+BT	YES	YES	NO
10	WCDMA+ BT	YES	YES	NO
11	LTE+BT	YES	YES	NO

10.5. SAR Simultaneous Transmission Analysis

Band	Test Position	Scaled SAR				Σ SAR (W/kg)	SPLSR	Remark
		Head	WIFI 2.4G	WIFI 5G	BT			
GSM850 (voice)	Left Cheek	0.11	0.02	0.36	0.02	0.47	N/A	N/A
	Left Tilt	0.07	0.01	0.29	0.01	0.36	N/A	N/A
	Right Cheek	0.09	0.02	0.31	0.02	0.40	N/A	N/A
	Right Tilt	0.06	0.01	0.25	0.01	0.31	N/A	N/A
GSM1900 (voice)	Left Cheek	0.11	0.02	0.36	0.02	0.47	N/A	N/A
	Left Tilt	0.09	0.01	0.29	0.01	0.38	N/A	N/A
	Right Cheek	0.10	0.02	0.31	0.02	0.41	N/A	N/A
	Right Tilt	0.09	0.01	0.25	0.01	0.34	N/A	N/A
WCDMA Band II	Left Cheek	0.15	0.02	0.36	0.02	0.51	N/A	N/A
	Left Tilt	0.10	0.01	0.29	0.01	0.39	N/A	N/A
	Right Cheek	0.13	0.02	0.31	0.02	0.44	N/A	N/A
	Right Tilt	0.09	0.01	0.25	0.01	0.34	N/A	N/A
WCDMA Band IV	Left Cheek	0.12	0.02	0.36	0.02	0.48	N/A	N/A
	Left Tilt	0.08	0.01	0.29	0.01	0.37	N/A	N/A
	Right Cheek	0.11	0.02	0.31	0.02	0.42	N/A	N/A
	Right Tilt	0.07	0.01	0.25	0.01	0.32	N/A	N/A
WCDMA Band V	Left Cheek	1.00	0.02	0.36	0.02	1.36	N/A	N/A
	Left Tilt	0.88	0.01	0.29	0.01	1.17	N/A	N/A
	Right Cheek	0.93	0.02	0.31	0.02	1.24	N/A	N/A
	Right Tilt	0.81	0.01	0.25	0.01	1.06	N/A	N/A

Band	Test Position	RB allocation	Scaled				Σ SAR (W/kg)	SPLSR	Remark
			Head	WIFI 2.4G	WIFI 5G	BT			
LTE Band 2 QPSK (20MHz)	Right Cheek	1	0.15	0.02	0.31	0.02	0.46	N/A	N/A
		50	0.13	0.02	0.31	0.02	0.44	N/A	N/A
	Right Tilt	1	0.14	0.01	0.25	0.01	0.39	N/A	N/A
		50	0.10	0.01	0.25	0.01	0.35	N/A	N/A
	Left Cheek	1	0.17	0.02	0.36	0.02	0.53	N/A	N/A
		50	0.15	0.02	0.36	0.02	0.51	N/A	N/A
	Left Tilt	1	0.14	0.01	0.29	0.01	0.43	N/A	N/A
		50	0.12	0.01	0.29	0.01	0.41	N/A	N/A

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LTE Band 4 QPSK (20MHz)	Right Cheek	1	0.73	0.02	0.31	0.02	1.04	N/A	N/A
		50	0.75	0.02	0.31	0.02	1.06	N/A	N/A
	Right Tilt	1	0.70	0.01	0.25	0.01	0.95	N/A	N/A
		50	0.70	0.01	0.25	0.01	0.95	N/A	N/A
	Left Cheek	1	0.81	0.02	0.36	0.02	1.17	N/A	N/A
		50	0.78	0.02	0.36	0.02	1.14	N/A	N/A
	Left Tilt	1	0.72	0.01	0.29	0.01	1.01	N/A	N/A
		50	0.73	0.01	0.29	0.01	1.02	N/A	N/A
LTE Band 5 QPSK (10MHz)	Right Cheek	1	0.14	0.02	0.31	0.02	0.45	N/A	N/A
		25	0.12	0.02	0.31	0.02	0.43	N/A	N/A
	Right Tilt	1	0.13	0.01	0.25	0.01	0.38	N/A	N/A
		25	0.09	0.01	0.25	0.01	0.34	N/A	N/A
	Left Cheek	1	0.16	0.02	0.36	0.02	0.52	N/A	N/A
		25	0.13	0.02	0.36	0.02	0.49	N/A	N/A
	Left Tilt	1	0.13	0.01	0.29	0.01	0.42	N/A	N/A
		25	0.10	0.01	0.29	0.01	0.39	N/A	N/A
LTE Band 7 QPSK (20MHz)	Right Cheek	1	0.32	0.02	0.31	0.02	0.63	N/A	N/A
		50	0.28	0.02	0.31	0.02	0.59	N/A	N/A
	Right Tilt	1	0.29	0.01	0.25	0.01	0.54	N/A	N/A
		50	0.27	0.01	0.25	0.01	0.52	N/A	N/A
	Left Cheek	1	0.34	0.02	0.36	0.02	0.70	N/A	N/A
		50	0.31	0.02	0.36	0.02	0.67	N/A	N/A
	Left Tilt	1	0.30	0.01	0.29	0.01	0.59	N/A	N/A
		50	0.27	0.01	0.29	0.01	0.56	N/A	N/A
LTE Band 12 QPSK (10MHz)	Right Cheek	1	0.76	0.02	0.31	0.02	1.07	N/A	N/A
		25	0.69	0.02	0.31	0.02	1.00	N/A	N/A
	Right Tilt	1	0.70	0.01	0.25	0.01	0.95	N/A	N/A
		25	0.64	0.01	0.25	0.01	0.89	N/A	N/A
	Left Cheek	1	0.85	0.02	0.36	0.02	1.21	N/A	N/A
		25	0.73	0.02	0.36	0.02	1.09	N/A	N/A
	Left Tilt	1	0.72	0.01	0.29	0.01	1.01	N/A	N/A
		25	0.68	0.01	0.29	0.01	0.97	N/A	N/A

LTE Band 17 QPSK (10MHz)	Right Cheek	1	0.10	0.02	0.31	0.02	0.41	N/A	N/A
		25	0.07	0.02	0.31	0.02	0.38	N/A	N/A
	Right Tilt	1	0.09	0.01	0.25	0.01	0.34	N/A	N/A
		25	0.05	0.01	0.25	0.01	0.30	N/A	N/A
	Left Cheek	1	0.11	0.02	0.36	0.02	0.47	N/A	N/A
		25	0.07	0.02	0.36	0.02	0.43	N/A	N/A
	Left Tilt	1	0.09	0.01	0.29	0.01	0.38	N/A	N/A
		25	0.06	0.01	0.29	0.01	0.35	N/A	N/A
LTE Band 25 QPSK (20MHz)	Right Cheek	1	0.59	0.02	0.31	0.02	0.90	N/A	N/A
		50	0.52	0.02	0.31	0.02	0.83	N/A	N/A
	Right Tilt	1	0.55	0.01	0.25	0.01	0.80	N/A	N/A
		50	0.47	0.01	0.25	0.01	0.72	N/A	N/A
	Left Cheek	1	0.65	0.02	0.36	0.02	1.01	N/A	N/A
		50	0.55	0.02	0.36	0.02	0.91	N/A	N/A
	Left Tilt	1	0.57	0.01	0.29	0.01	0.86	N/A	N/A
		50	0.48	0.01	0.29	0.01	0.77	N/A	N/A
LTE Band 41(HPUE) QPSK (20MHz)	Right Cheek	1	0.94	0.02	0.31	0.02	1.25	N/A	N/A
		50	0.88	0.02	0.31	0.02	1.19	N/A	N/A
	Right Tilt	1	0.88	0.01	0.25	0.01	1.13	N/A	N/A
		50	0.86	0.01	0.25	0.01	1.11	N/A	N/A
	Left Cheek	1	0.95	0.02	0.36	0.02	1.31	N/A	N/A
		50	1.01	0.02	0.36	0.02	1.37	N/A	N/A
	Left Tilt	1	0.93	0.01	0.29	0.01	1.22	N/A	N/A
		50	1.00	0.01	0.29	0.01	1.29	N/A	N/A
LTE Band 66 QPSK (20MHz)	Right Cheek	1	0.92	0.02	0.31	0.02	1.23	N/A	N/A
		50	0.86	0.02	0.31	0.02	1.17	N/A	N/A
	Right Tilt	1	0.87	0.01	0.25	0.01	1.12	N/A	N/A
		50	0.89	0.01	0.25	0.01	1.14	N/A	N/A
	Left Cheek	1	0.84	0.02	0.36	0.02	1.20	N/A	N/A
		50	0.85	0.02	0.36	0.02	1.21	N/A	N/A
	Left Tilt	1	0.93	0.01	0.29	0.01	1.22	N/A	N/A
		50	0.91	0.01	0.29	0.01	1.20	N/A	N/A

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LTE Band 71 QPSK (20MHz)	Right Cheek	1	0.32	0.02	0.31	0.02	0.63	N/A	N/A
		50	0.29	0.02	0.31	0.02	0.60	N/A	N/A
	Right Tilt	1	0.29	0.01	0.25	0.01	0.54	N/A	N/A
		50	0.26	0.01	0.25	0.01	0.51	N/A	N/A
	Left Cheek	1	0.34	0.02	0.36	0.02	0.70	N/A	N/A
		50	0.32	0.02	0.36	0.02	0.68	N/A	N/A
	Left Tilt	1	0.30	0.01	0.29	0.01	0.59	N/A	N/A
		50	0.28	0.01	0.29	0.01	0.57	N/A	N/A

Band	Test Position	Scaled SAR				Σ SAR (W/kg)	SPLSR	Remark
		Body-Worn	WIFI 2.4G	WIFI 5G	BT			
GSM850 (voice)	Front	0.22	0.24	0.34	0.01	0.56	N/A	N/A
	Back	0.28	0.29	0.41	0.01	0.69	N/A	N/A
GSM850 (GPRS 3slot)	Front	0.31	0.24	0.34	0.01	0.65	N/A	N/A
	Back	0.38	0.29	0.41	0.01	0.79	N/A	N/A
GSM1900 (voice)	Front	0.09	0.24	0.34	0.01	0.43	N/A	N/A
	Back	0.11	0.29	0.41	0.01	0.52	N/A	N/A
GSM1900 (GPRS 3slot)	Front	0.32	0.24	0.34	0.01	0.66	N/A	N/A
	Back	0.39	0.29	0.41	0.01	0.80	N/A	N/A
WCDMA Band II	Front	0.26	0.24	0.34	0.01	0.60	N/A	N/A
	Back	0.31	0.29	0.41	0.01	0.72	N/A	N/A
WCDMA Band IV	Front	0.88	0.24	0.34	0.01	1.22	N/A	N/A
	Back	0.97	0.29	0.41	0.01	1.38	N/A	N/A
WCDMA Band V	Front	0.13	0.24	0.34	0.01	0.47	N/A	N/A
	Back	0.15	0.29	0.41	0.01	0.56	N/A	N/A

Band	Test Position	RB allocation	Scaled				Σ SAR (W/kg)	SPLSR	Remark
			Body-Worn	WIFI 2.4G	WIFI 5G	Bluetooth			
LTE Band 2 QPSK (20MHz)	Front	1	0.60	0.24	0.34	0.01	0.94	N/A	N/A
		50	0.52	0.24	0.34	0.01	0.86	N/A	N/A
	Back	1	0.66	0.29	0.41	0.01	1.07	N/A	N/A
		50	0.55	0.29	0.41	0.01	0.96	N/A	N/A
LTE Band 4 QPSK (20MHz)	Front	1	0.85	0.24	0.34	0.01	1.19	N/A	N/A
		50	0.85	0.24	0.34	0.01	1.19	N/A	N/A
	Back	1	0.94	0.29	0.41	0.01	1.35	N/A	N/A
		50	0.87	0.29	0.41	0.01	1.28	N/A	N/A

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LTE Band 5 QPSK (10MHz)	Front	1	0.41	0.24	0.34	0.01	0.75	N/A	N/A
		25	0.34	0.24	0.34	0.01	0.68	N/A	N/A
	Back	1	0.47	0.29	0.41	0.01	0.88	N/A	N/A
		25	0.38	0.29	0.41	0.01	0.79	N/A	N/A
LTE Band 7 QPSK (20MHz)	Front	1	0.86	0.24	0.34	0.01	1.20	N/A	N/A
		50	0.83	0.24	0.34	0.01	1.17	N/A	N/A
	Back	1	1.09	0.29	0.41	0.01	**1.50**	N/A	N/A
		50	1.00	0.29	0.41	0.01	1.41	N/A	N/A
LTE Band 12 QPSK (10MHz)	Front	1	0.23	0.24	0.34	0.01	0.57	N/A	N/A
		25	0.22	0.24	0.34	0.01	0.56	N/A	N/A
	Back	1	0.29	0.29	0.41	0.01	0.70	N/A	N/A
		25	0.26	0.29	0.41	0.01	0.67	N/A	N/A
LTE Band 17 QPSK (10MHz)	Front	1	0.49	0.24	0.34	0.01	0.83	N/A	N/A
		25	0.42	0.24	0.34	0.01	0.76	N/A	N/A
	Back	1	0.60	0.29	0.41	0.01	1.01	N/A	N/A
		25	0.52	0.29	0.41	0.01	0.93	N/A	N/A
LTE Band 25 QPSK (20MHz)	Front	1	0.42	0.24	0.34	0.01	0.76	N/A	N/A
		50	0.35	0.24	0.34	0.01	0.69	N/A	N/A
	Back	1	0.52	0.29	0.41	0.01	0.93	N/A	N/A
		50	0.41	0.29	0.41	0.01	0.82	N/A	N/A
LTE Band 41(HPUE) QPSK (20MHz)	Front	1	0.27	0.24	0.34	0.01	0.61	N/A	N/A
		50	0.24	0.24	0.34	0.01	0.58	N/A	N/A
	Back	1	0.33	0.29	0.41	0.01	0.74	N/A	N/A
		50	0.29	0.29	0.41	0.01	0.70	N/A	N/A
LTE Band 66 QPSK (20MHz)	Front	1	0.78	0.24	0.34	0.01	1.12	N/A	N/A
		50	0.75	0.24	0.34	0.01	1.09	N/A	N/A
	Back	1	0.87	0.29	0.41	0.01	1.28	N/A	N/A
		50	0.86	0.29	0.41	0.01	1.27	N/A	N/A
LTE Band 71 QPSK (20MHz)	Front	1	0.28	0.24	0.34	0.01	0.62	N/A	N/A
		50	0.24	0.24	0.34	0.01	0.58	N/A	N/A
	Back	1	0.36	0.29	0.41	0.01	0.77	N/A	N/A
		50	0.32	0.29	0.41	0.01	0.73	N/A	N/A

Band	Test Position	Scaled SAR			Σ SAR (W/kg)	SPLSR	Remark
		Hotspot	WIFI 2.4G	WIFI 5G			
GSM850 (GPRS)	Front	0.28	0.02	0.31	0.59	N/A	N/A
	Back	0.35	0.04	0.40	0.75	N/A	N/A
	Right	/	0.01	0.26	0.26	N/A	N/A
	Left	0.23	/	/	0.23	N/A	N/A
	Top	/	0.02	0.34	0.26	N/A	N/A
	Bottom	0.30	/	/	0.30	N/A	N/A
GSM1900 (GPRS)	Front	0.27	0.02	0.31	0.58	N/A	N/A
	Back	0.35	0.04	0.40	0.75	N/A	N/A
	Right	/	0.01	0.26	0.26	N/A	N/A
	Left	0.21	/	/	0.21	N/A	N/A
	Top	/	0.02	0.34	0.26	N/A	N/A
	Bottom	0.28	/	/	0.28	N/A	N/A
WCDMA Band II	Front	0.21	0.02	0.31	0.52	N/A	N/A
	Back	0.26	0.04	0.40	0.66	N/A	N/A
	Right	/	0.01	0.26	0.26	N/A	N/A
	Left	0.16	/	/	0.16	N/A	N/A
	Top	/	0.02	0.34	0.34	N/A	N/A
	Bottom	0.18	/	/	0.18	N/A	N/A
WCDMA Band IV	Front	0.78	0.02	0.31	1.09	N/A	N/A
	Back	0.88	0.04	0.40	1.28	N/A	N/A
	Right	/	0.01	0.26	0.26	N/A	N/A
	Left	0.63	/	/	0.63	N/A	N/A
	Top	/	0.02	0.34	0.34	N/A	N/A
	Bottom	0.74	/	/	0.74	N/A	N/A
WCDMA Band V	Front	0.10	0.02	0.31	0.41	N/A	N/A
	Back	0.13	0.04	0.40	0.53	N/A	N/A
	Right	/	0.01	0.26	0.26	N/A	N/A
	Left	0.06	/	/	0.06	N/A	N/A
	Top	/	0.02	0.34	0.34	N/A	N/A
	Bottom	0.09	/	/	0.09	N/A	N/A

Band	Test Position	RB allocation	Scaled			Σ SAR (W/kg)	SPLSR	Remark
			Hotspot	WIFI 2.4G	WIFI 5G			
LTE Band 2 QPSK (20MHz)	Front	1	0.53	0.02	0.31	0.84	N/A	N/A
		50	0.48	0.02	0.31	0.79	N/A	N/A
	Back	1	0.60	0.04	0.40	1.00	N/A	N/A
		50	0.54	0.04	0.40	0.94	N/A	N/A
	Right	1	/	0.01	0.26	0.26	N/A	N/A
		50	/	0.01	0.26	0.26	N/A	N/A
	Left	1	0.43	/	/	0.43	N/A	N/A
		50	0.43	/	/	0.43	N/A	N/A
	Top	1	0.48	0.02	0.34	0.82	N/A	N/A
		50	0.45	0.02	0.34	0.79	N/A	N/A
	Bottom	1	/	/	/	/	N/A	N/A
		50	/	/	/	/	N/A	N/A

LTE Band 4 QPSK (20MHz)	Front	1	0.73	0.02	0.31	1.04	N/A	N/A
		50	0.73	0.02	0.31	1.04	N/A	N/A
	Back	1	0.88	0.04	0.40	1.28	N/A	N/A
		50	0.87	0.04	0.40	1.27	N/A	N/A
	Right	1	/	0.01	0.26	0.26	N/A	N/A
		50	/	0.01	0.26	0.26	N/A	N/A
	Left	1	0.60	/	/	0.60	N/A	N/A
		50	0.57	/	/	0.57	N/A	N/A
	Top	1	0.70	0.02	0.34	1.04	N/A	N/A
		50	0.68	0.02	0.34	1.02	N/A	N/A
	Bottom	1	/	/	/	/	N/A	N/A
		50	/	/	/	/	N/A	N/A
LTE Band 5 QPSK (10MHz)	Front	1	0.33	0.02	0.31	0.64	N/A	N/A
		25	0.32	0.02	0.31	0.63	N/A	N/A
	Back	1	0.42	0.04	0.40	0.82	N/A	N/A
		25	0.38	0.04	0.40	0.78	N/A	N/A
	Right	1	/	0.01	0.26	0.26	N/A	N/A
		25	/	0.01	0.26	0.26	N/A	N/A
	Left	1	0.26	/	/	0.26	N/A	N/A
		25	0.23	/	/	0.23	N/A	N/A
	Top	1	0.30	0.02	0.34	0.64	N/A	N/A
		25	0.28	0.02	0.34	0.62	N/A	N/A
	Bottom	1	/	/	/	/	N/A	N/A
		25	/	/	/	/	N/A	N/A
LTE Band 7 QPSK (20MHz)	Front	1	0.91	0.02	0.31	1.22	N/A	N/A
		50	0.89	0.02	0.31	1.20	N/A	N/A
	Back	1	1.02	0.04	0.40	**1.42**	N/A	N/A
		50	0.97	0.04	0.40	1.37	N/A	N/A
	Right	1	/	0.01	0.26	0.26	N/A	N/A
		50	/	0.01	0.26	0.26	N/A	N/A
	Left	1	0.81	/	/	0.81	N/A	N/A
		50	0.80	/	/	0.80	N/A	N/A
	Top	1	0.86	0.02	0.34	1.20	N/A	N/A
		50	0.85	0.02	0.34	1.19	N/A	N/A
	Bottom	1	/	/	/	/	N/A	N/A
		50	/	/	/	/	N/A	N/A
LTE Band 12 QPSK (10MHz)	Front	1	0.23	0.02	0.31	0.54	N/A	N/A
		25	0.22	0.02	0.31	0.53	N/A	N/A
	Back	1	0.26	0.04	0.40	0.66	N/A	N/A
		25	0.25	0.04	0.40	0.65	N/A	N/A
	Right	1	/	0.01	0.26	0.26	N/A	N/A
		25	/	0.01	0.26	0.26	N/A	N/A
	Left	1	0.18	/	/	0.18	N/A	N/A
		25	0.17	/	/	0.17	N/A	N/A

	Top	1	0.22	0.02	0.34	0.56	N/A	N/A
		25	0.20	0.02	0.34	0.54	N/A	N/A
	Bottom	1	/	/	/	/	N/A	N/A
		25	/	/	/	/	N/A	N/A
LTE Band 17 QPSK (10MHz)	Front	1	0.49	0.02	0.31	0.80	N/A	N/A
		25	0.45	0.02	0.31	0.76	N/A	N/A
	Back	1	0.55	0.04	0.40	0.95	N/A	N/A
		25	0.50	0.04	0.40	0.90	N/A	N/A
	Right	1	/	0.01	0.26	0.26	N/A	N/A
		25	/	0.01	0.26	0.26	N/A	N/A
	Left	1	0.40	/	/	0.40	N/A	N/A
		25	0.35	/	/	0.35	N/A	N/A
	Top	1	0.45	0.02	0.34	0.79	N/A	N/A
		25	0.40	0.02	0.34	0.74	N/A	N/A
	Bottom	1	/	/	/	/	N/A	N/A
		25	/	/	/	/	N/A	N/A
LTE Band 25 QPSK (20MHz)	Front	1	0.43	0.02	0.31	0.74	N/A	N/A
		50	0.36	0.02	0.31	0.67	N/A	N/A
	Back	1	0.49	0.04	0.40	0.89	N/A	N/A
		50	0.42	0.04	0.40	0.82	N/A	N/A
	Right	1	/	0.01	0.26	0.26	N/A	N/A
		50	/	0.01	0.26	0.26	N/A	N/A
	Left	1	0.34	/	/	0.34	N/A	N/A
		50	0.29	/	/	0.29	N/A	N/A
	Top	1	0.38	0.02	0.34	0.72	N/A	N/A
		50	0.33	0.02	0.34	0.67	N/A	N/A
	Bottom	1	/	/	/	/	N/A	N/A
		50	/	/	/	/	N/A	N/A
LTE Band41 QPSK (20MHz)	Front	1	0.27	0.02	0.31	0.58	N/A	N/A
		50	0.23	0.02	0.31	0.54	N/A	N/A
	Back	1	0.30	0.04	0.40	0.70	N/A	N/A
		50	0.27	0.04	0.40	0.67	N/A	N/A
	Right	1	/	0.01	0.26	0.26	N/A	N/A
		50	/	0.01	0.26	0.26	N/A	N/A
	Left	1	0.21	/	/	0.21	N/A	N/A
		50	0.17	/	/	0.17	N/A	N/A
	Top	1	0.23	0.02	0.34	0.57	N/A	N/A
		50	0.21	0.02	0.34	0.55	N/A	N/A
	Bottom	1	/	/	/	/	N/A	N/A
		50	/	/	/	/	N/A	N/A

LTE Band66 QPSK (20MHz)	Front	1	0.74	0.02	0.31	1.05	N/A	N/A
		50	0.74	0.02	0.31	1.05	N/A	N/A
	Back	1	0.84	0.04	0.40	1.24	N/A	N/A
		50	0.82	0.04	0.40	1.22	N/A	N/A
	Right	1	/	0.01	0.26	0.26	N/A	N/A
		50	/	0.01	0.26	0.26	N/A	N/A
	Left	1	0.58	/	/	0.58	N/A	N/A
		50	0.57	/	/	0.57	N/A	N/A
	Top	1	0.71	0.02	0.34	1.05	N/A	N/A
		50	0.69	0.02	0.34	1.03	N/A	N/A
	Bottom	1	/	/	/	/	N/A	N/A
		50	/	/	/	/	N/A	N/A
LTE Band71 QPSK (20MHz)	Front	1	0.30	0.02	0.31	0.61	N/A	N/A
		50	0.27	0.02	0.31	0.58	N/A	N/A
	Back	1	0.36	0.04	0.40	0.76	N/A	N/A
		50	0.33	0.04	0.40	0.73	N/A	N/A
	Right	1	/	0.01	0.26	0.26	N/A	N/A
		50	/	0.01	0.26	0.26	N/A	N/A
	Left	1	0.25	/	/	0.25	N/A	N/A
		50	0.21	/	/	0.21	N/A	N/A
	Top	1	0.28	0.02	0.34	0.62	N/A	N/A
		50	0.25	0.02	0.34	0.59	N/A	N/A
	Bottom	1	/	/	/	/	N/A	N/A
		50	/	/	/	/	N/A	N/A

Simultaneous Transmission Conclusion

The above numerical summed SAR results for all the case simultaneous transmission conditions were below the SAR limit. Therefore, the above analysis is sufficient to determine that simultaneous transmission cases will not exceed the SAR limit and therefore measured volumetric simultaneous SAR summation is not required per FCC KDB Publication 447498 D01v05r02.

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10.6. Measurement Uncertainty (150MHz-6GHz)

Uncertainty Component	Description	Uncertainty Value(%)	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. 1g(%)	Std. Unc. 10g(%)	v
Measurement system									
Probe calibration	7.2.1	5.8	N	1	1	1	5.8	5.8	∞
Axial isotropy	7.2.1.1	3.5	R	$\sqrt{3}$	(1-Cp)1/2	(1-Cp)1/2	1.43	1.43	∞
Hemispherical isotropy	7.2.1.1	5.9	R	$\sqrt{3}$	$\sqrt{C_p}$	$\sqrt{C_p}$	2.41	2.41	∞
Boundary Effects	7.2.1.4	1.00	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	7.2.1.2	4.70	R	$\sqrt{3}$	1	1	2.71	2.71	∞
System detection limits	7.2.1.2	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation Response	7.2.1.3	3	N	1	1	1	3.00	3.00	∞
Readout Electronics	7.2.1.5	0.5	N	1	1	1	0.50	0.50	∞
Response Time	7.2.1.6	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Integration Time	7.2.1.7	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
RF Ambient Conditions-Noise	7.2.3.7	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF Ambient Conditions-Reflection	7.2.3.7	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioned mechanical Tolerance	7.2.2.1	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	7.2.2.3	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation interpolation and integration algorithms for Max.SAR evaluation	7.2.4	2.3	R	1	1	1	1.33	1.33	∞
Test sample related									
Test sample positioning	7.2.2.4.4	2.6	N	1	1	1	2.60	2.60	∞
Device holder uncertainty	7.2.2.4.2 7.2.2.4.3	3	N	1	1	1	3.00	3.00	∞
output power variation-SAR drift measurement	7.2.3.6	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
SAR scaling	7.2.5	2	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Phantom and tissue parameters									
Phantom uncertainty (shape and thickness tolerances)	7.2.2.2	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
uncertainty in SAR correction for deviation (in permittivity and conductivity)	7.2.6	2	N	1	1	0.84	2.00	1.68	∞
Liquid conductivity (temperature uncertainty)	7.2.3.5	2.5	N	1	0.78	0.71	1.95	1.78	∞
Liquid conductivity -measurement uncertainty	7.2.3.3	4	N	1	0.23	0.26	0.92	1.04	∞
Liquid permittivity (temperature uncertainty)	7.2.3.5	2.5	N	1	0.78	0.71	1.95	1.78	∞
Liquid permittivity measurement uncertainty	7.2.3.4	5	N	1	0.23	0.26	1.15	1.30	∞
Combined standard uncertainty			RSS				10.83	10.54	
Expanded uncertainty (95%CONFIDENCEINTERVAL			k				21.26	21.08	

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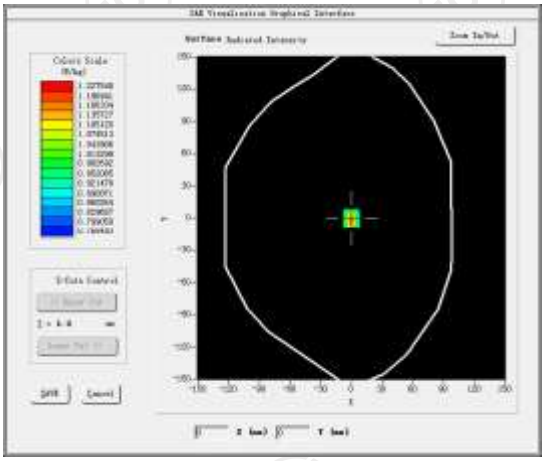
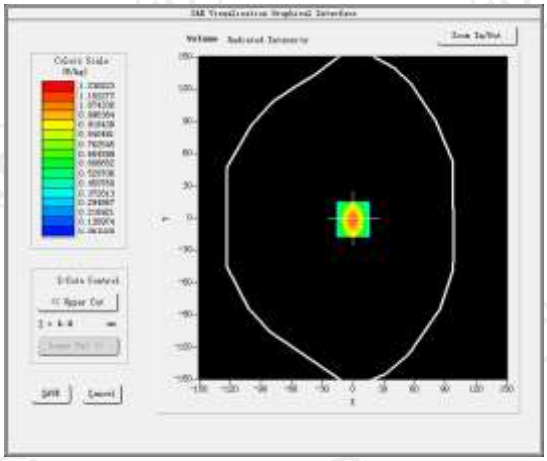
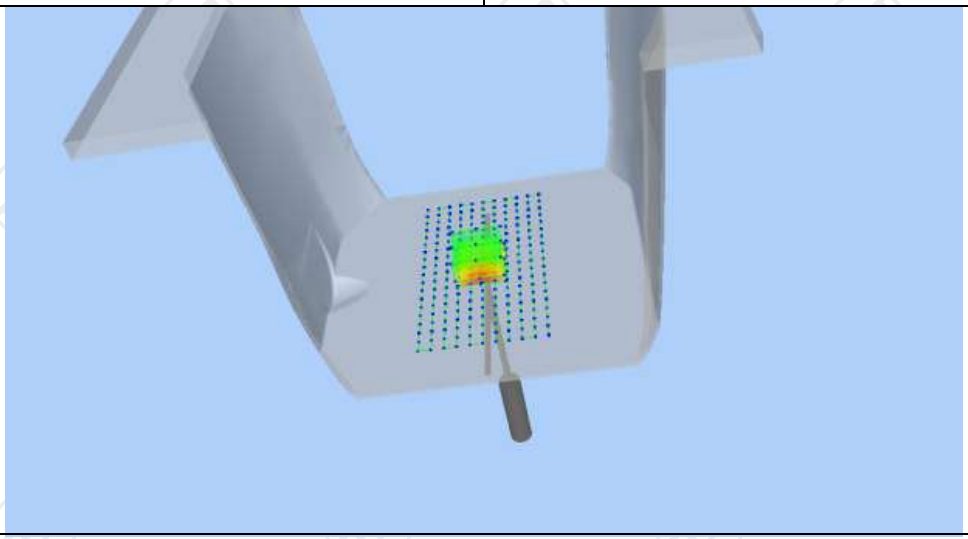
UNCERTAINTY FOR PERFORMANCE CHECK									
Uncertainty Component	Description	Uncertainty Value(%)	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. 1g(%)	Std. Unc. 10g(%)	v
Measurement system									
Probe calibration	7.2.1	5.8	N	1	1	1	5.8	5.8	∞
Axial isotropy	7.2.1.1	3.5	R	$\sqrt{3}$	(1-Cp)1/2	(1-Cp)1/2	1.43	1.43	∞
Hemispherical isotropy	7.2.1.1	5.9	R	$\sqrt{3}$	$\sqrt{C_p}$	$\sqrt{C_p}$	2.41	2.41	∞
Boundary Effects	7.2.1.4	1.00	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	7.2.1.2	4.70	R	$\sqrt{3}$	1	1	2.71	2.71	∞
System detection limits	7.2.1.2	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation Response	7.2.1.3	3	N	1	1	1	0.00	0.00	∞
Readout Electronics	7.2.1.5	0.5	N	1	1	1	0.50	0.50	∞
Response Time	7.2.1.6	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Integration Time	7.2.1.7	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
RF Ambient Conditions-Noise	7.2.3.7	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF Ambient Conditions-Reflection	7.2.3.7	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioned mechanical Tolerance	7.2.2.1	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	7.2.2.3	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation interpolation and integration algorithms for Max.SAR evaluation	7.2.4	2.3	R	1	1	1	1.33	1.33	∞
Dipole									
Deviation of experimental source from numerical source		4	N	1	1	1	4.00	4.00	∞
Input power and SAR drift measurement	7.2.3.6	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Dipole axis to liquid distance		2	R	$\sqrt{3}$	1	1			∞
Phantom and tissue parameters									
Phantom uncertainty (shape and thickness tolerances)	7.2.2.2	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
uncertainty in SAR correction for deviation (in permittivity and conductivity)	7.2.6	2	N	1	1	0.84	2.00	1.68	∞
Liquid conductivity (temperature uncertainty)	7.2.3.5	2.5	N	1	0.78	0.71	1.95	1.78	∞
Liquid conductivity -measurement uncertainty	7.2.3.3	4	N	1	0.23	0.26	0.92	1.04	∞
Liquid permittivity (temperature uncertainty)	7.2.3.5	2.5	N	1	0.78	0.71	1.95	1.78	∞
Liquid permittivity measurement uncertainty	7.2.3.4	5	N	1	0.23	0.26	1.15	1.30	∞
Combined standard uncertainty			RSS				10.15	10.05	
Expanded uncertainty (95%CONFIDENCEINTERVAL			k				20.29	20.10	

10.7. Test Equipment List

Test Equipment	Manufacturer	Model	Serial Number	Calibration	
				Calibration Date (D.M.Y)	Calibration Due (D.M.Y)
PC	Lenovo	H3050	N/A	N/A	N/A
Signal Generator	Angilent	N5182A	MY47070282	Jun. 27, 2024	Jun. 26, 2025
Multimeter	Keithley	Multimeter 2000	4078275	Jun. 27, 2024	Jun. 26, 2025
Network Analyzer	Agilent	8753E	US38432457	Jun. 27, 2024	Jun. 26, 2025
Wideband Radio Communication Tester	R&S	CMW500	114220	Jun. 27, 2024	Jun. 26, 2025
Power Meter	Agilent	E4418B	GB43312526	Jun. 27, 2024	Jun. 26, 2025
Power Meter	Agilent	E4416A	MY45101555	Jun. 27, 2024	Jun. 26, 2025
Power Meter	Agilent	N1912A	MY50001018	Jun. 27, 2024	Jun. 26, 2025
Power Sensor	Agilent	E9301A	MY41497725	Jun. 27, 2024	Jun. 26, 2025
Power Sensor	Agilent	E9327A	MY44421198	Jun. 27, 2024	Jun. 26, 2025
Power Sensor	Agilent	E9323A	MY53070005	Jun. 27, 2024	Jun. 26, 2025
Power Amplifier	PE	PE15A4019	112342	N/A	N/A
Directional Coupler	Agilent	722D	MY52180104	N/A	N/A
Attenuator	Chensheng	FF779	134251	N/A	N/A
E-Field PROBE	MVG	SSE2	SN 25/22 EPGO375	Jun. 29, 2024	Jun. 28, 2025
DIPOLE 750	MVG	SID750	SN 16/15 DIP 0G750-368	Jun. 05, 2024	Jun. 04, 2027
DIPOLE 835	MVG	SID835	SN 16/15 DIP 0G835-369	Jun. 05, 2024	Jun. 04, 2027
DIPOLE 1800	MVG	SID 1800	SN 16/15 DIP 1G800-371	Jun. 05, 2024	Jun. 04, 2027
DIPOLE 1900	MVG	SID1900	SN 16/15 DIP 1G900-372	Jun. 05, 2024	Jun. 04, 2027
DIPOLE 2450	MVG	SID 2450	SN 16/15 DIP 2G450-374	Jun. 05, 2024	Jun. 04, 2027
DIPOLE 2600	MVG	SID 2600	SN 16/15 DIP 2G600-375	Jun. 05, 2024	Jun. 04, 2027
DIPOLE 5G	MVG	SID 5G	SN 13/14 WGA32	May. 15, 2024	May. 14, 2025
Limesar Dielectric Probe	MVG	SCLMP	SN 19/15 OCPG71	Jun. 05, 2024	Jun. 04, 2025
Communication Antenna	MVG	ANTA59	SN 39/14 ANTA59	N/A	N/A
Mobile Phone Position Device	MVG	MSH101	SN 19/15 MSH101	N/A	N/A
Dummy Probe	MVG	DP66	SN 13/15 DP66	N/A	N/A
SAM PHANTOM	MVG	SAM120	SN 19/15 SAM120	N/A	N/A
PHANTOM TABLE	MVG	TABP101	SN 19/15 TABP101	N/A	N/A
Robot TABLE	MVG	TABP61	SN 19/15 TABP61	N/A	N/A
6 AXIS ROBOT	KUKA	KR6-R900	501822	N/A	N/A

Note: *1.N/A means this equipment no need to calibrate*
2.Each Time means this device need to calibrate every use time
3. The dipole was not damaged properly repaired.
4. The measured SAR deviates from the calibrated SAR value by less than 10%
5. The most recent return-loss result meets the required 20 dB minimum return-loss requirement
6. The most recent measurement of the real or imaginary parts of the impedance deviates by less than 5 Ω from the previous measurement.

11. System Check Results

Date of measurement: 12/05/2024 Test mode: 750 (Head) Product Description: Validation Dipole Model: SID750 E-Field Probe: SSE2 (SN 25/22 EPGO375)	
Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	1.71
Frequency (MHz)	750.000000
Relative permittivity (real part)	42.071129
Relative permittivity (imaginary part)	21.835926
Conductivity (S/m)	0.902358
Variation (%)	-1.200000
SAR 10g (W/Kg)	**0.540325**
SAR 1g (W/Kg)	**0.882659**
SURFACE SAR	**VOLUME SAR**
	
	

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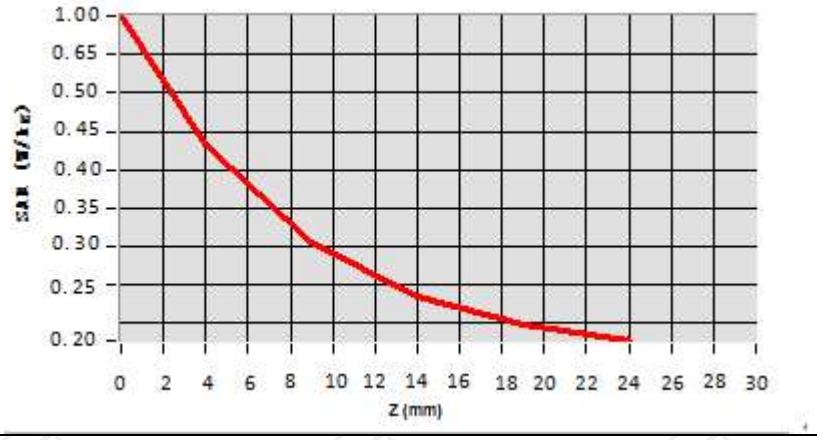
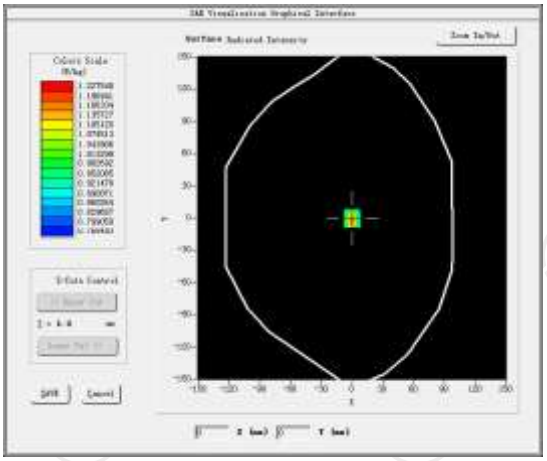
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.0019	0.4385	0.3028	0.2311	0.2213

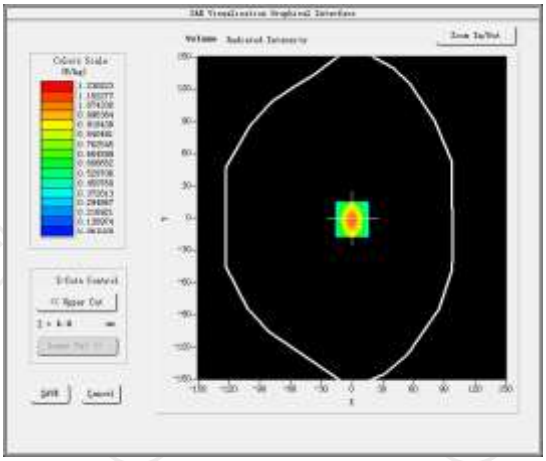


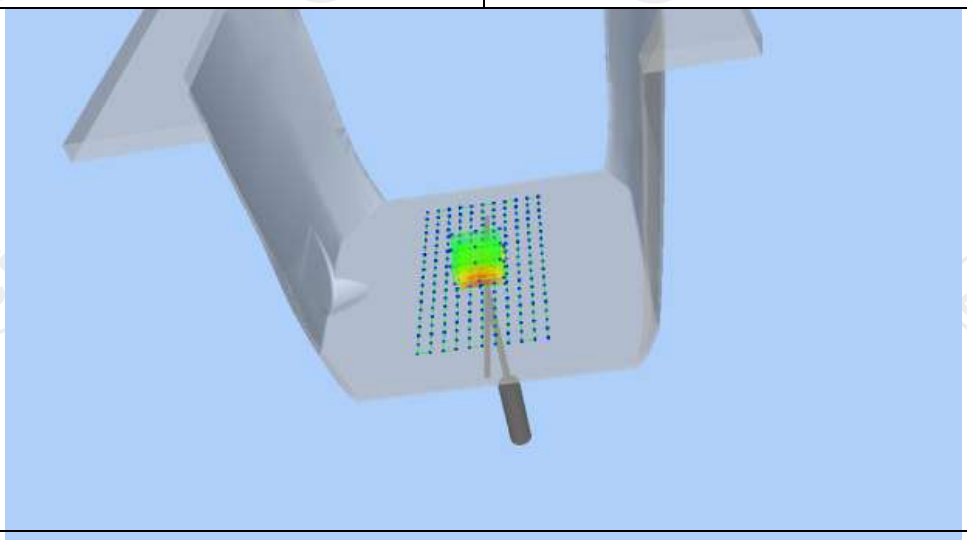
Hot spot position

Date of measurement: 12/10/2024 Test mode: 835 (Head)
Product Description: Validation
Dipole Model: SID835
E-Field Probe: SSE2 (SN 25/22 EPGO375)

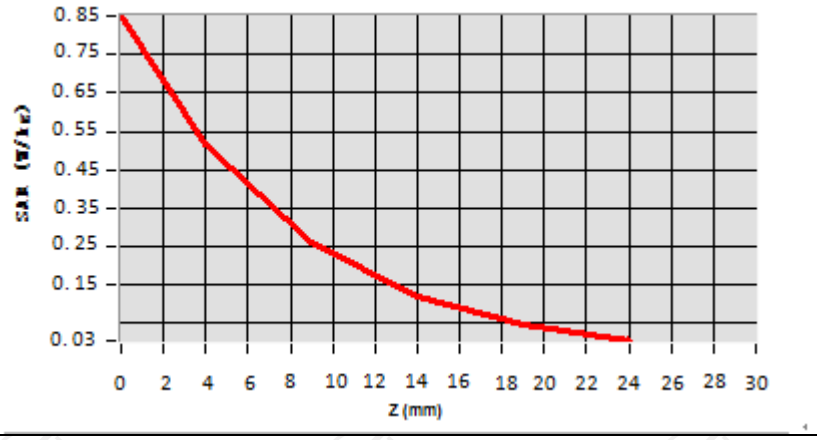
Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	1.80
Frequency (MHz)	835.000000
Relative permittivity (real part)	41.121866
Relative permittivity (imaginary part)	19.265403
Conductivity (S/m)	0.913204
Variation (%)	-0.230000
SAR 10g (W/Kg)	**0.596105**
SAR 1g (W/Kg)	**0.934211**
SURFACE SAR	**VOLUME SAR**







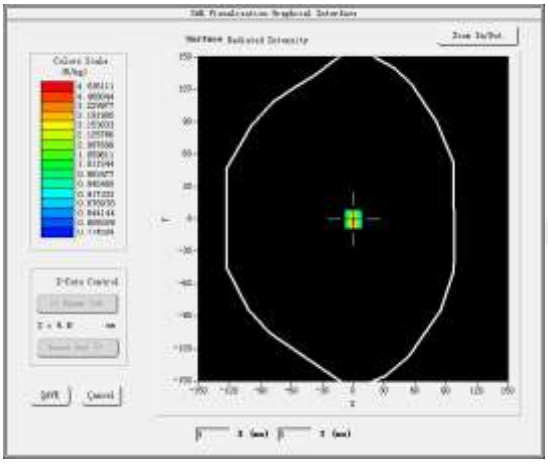
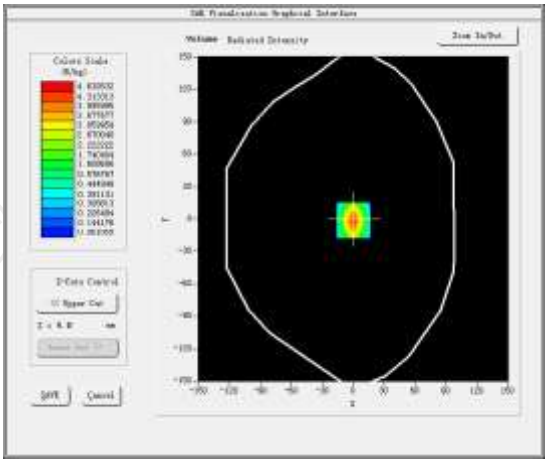
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8557	0.5379	0.2588	0.1289	0.1002

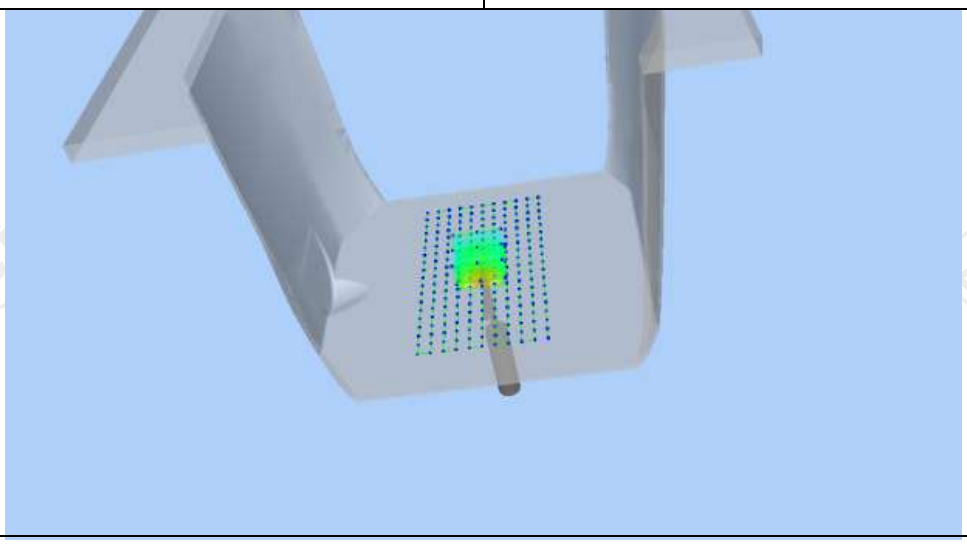


Hot spot position

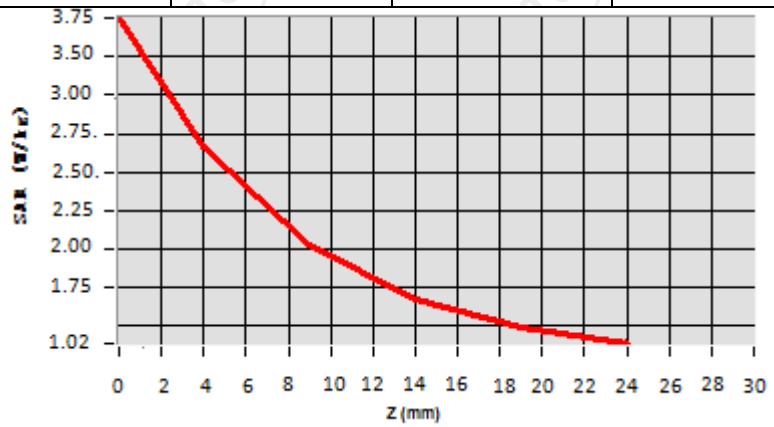
Date of measurement: 12/13/2024 Test mode: 1800MHz (Head)
Product Description: Validation
Dipole Model: SID1800
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.08
Frequency (MHz)	1800.000000
Relative permittivity (real part)	40.361052
Relative permittivity (imaginary part)	14.137412
Conductivity (S/m)	1.392685
Variation (%)	-0.050000
SAR 10g (W/Kg)	**2.094532**
SAR 1g (W/Kg)	**4.102362**

SURFACE SAR	**VOLUME SAR**
	



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	3.7576	2.6485	2.0366	1.6063	1.0203



Hot spot position

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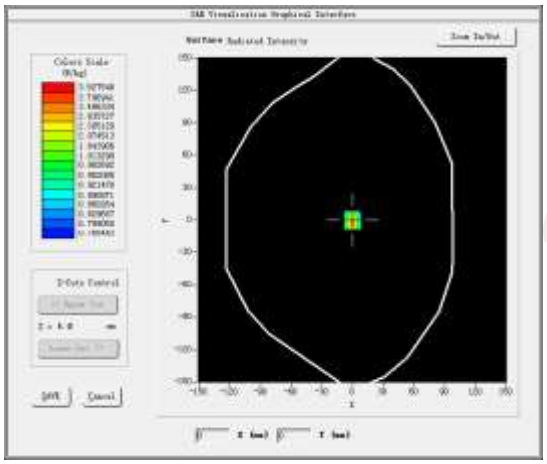
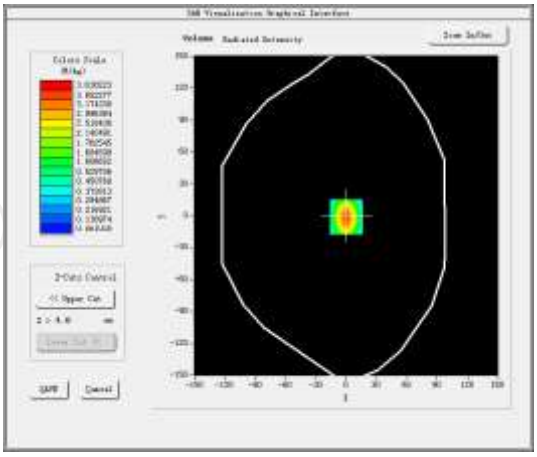
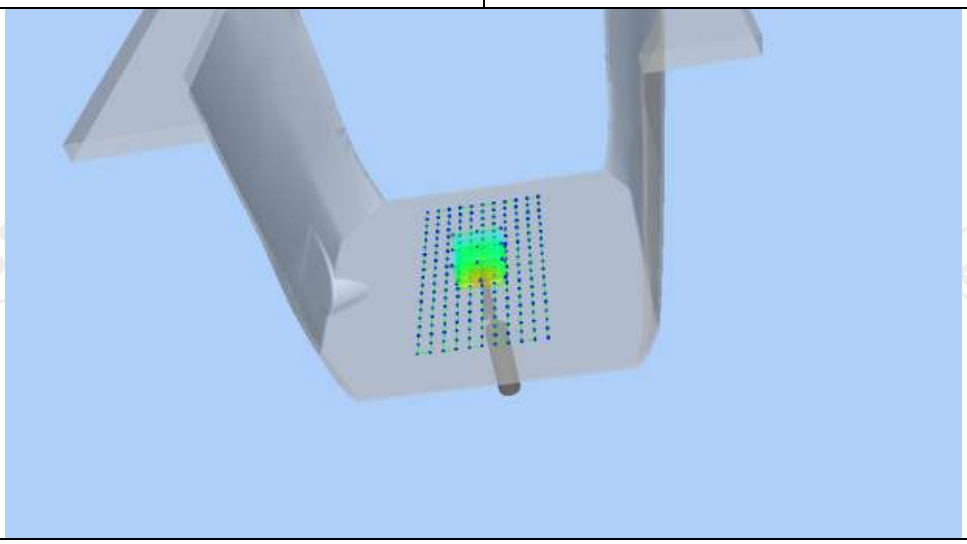
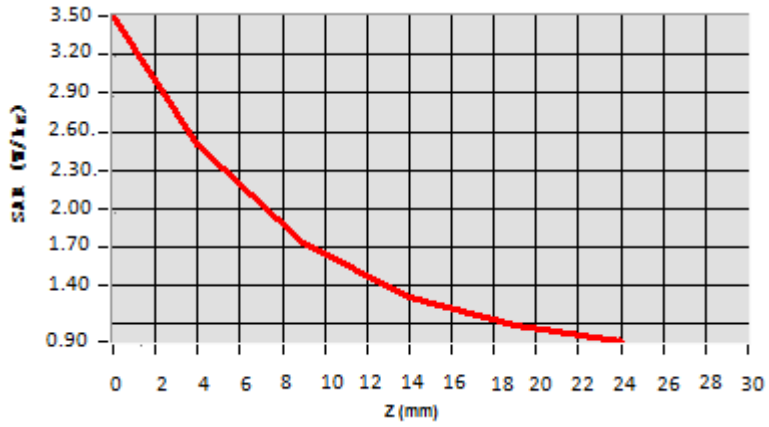
Date of measurement: 12/18/2024 Test mode: 1900MHz (Head) Product Description: Validation Dipole Model: SID1900 E-Field Probe: SSE2 (SN 25/22 EPGO375)	
Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.23
Frequency (MHz)	1900.000000
Relative permittivity (real part)	39.923122
Relative permittivity (imaginary part)	13.391003
Conductivity (S/m)	1.408653
Variation (%)	2.130000
SAR 10g (W/Kg)	**1.903262**
SAR 1g (W/Kg)	**3.862593**
SURFACE SAR	**VOLUME SAR**
	
	

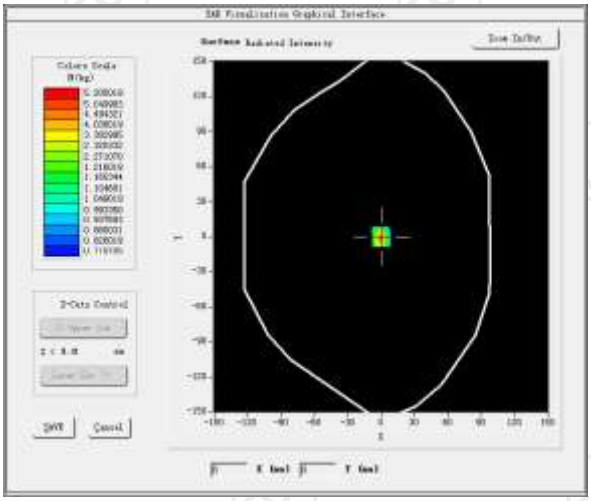
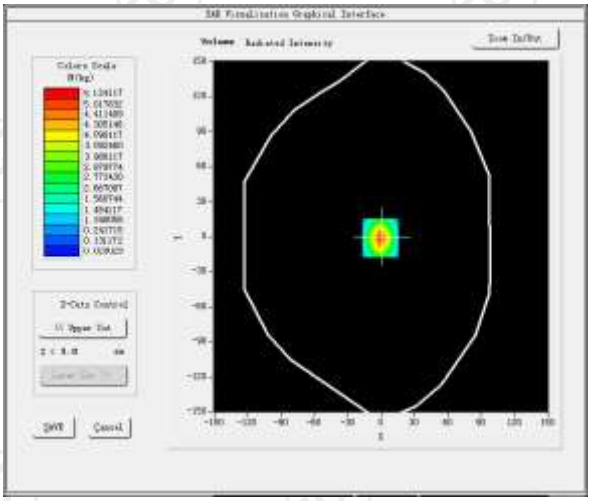
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	3.5286	2.5758	1.7105	1.3165	1.1356

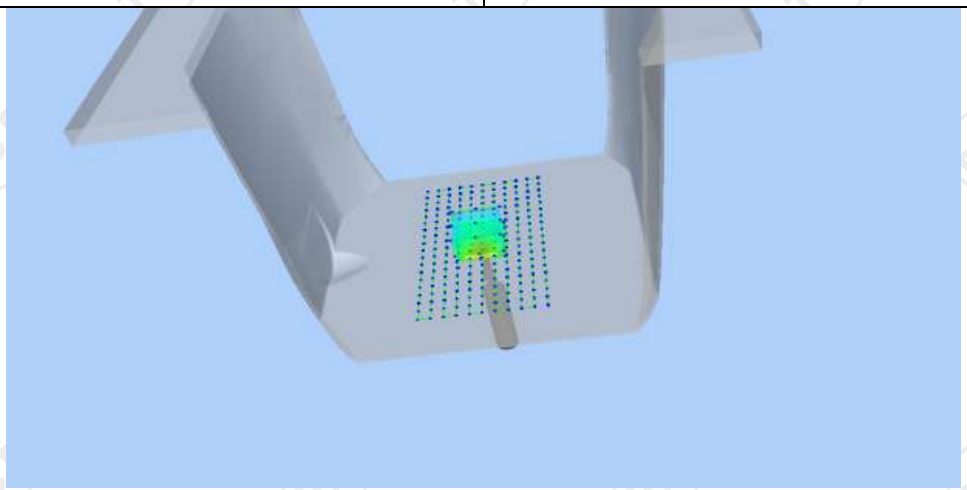


Hot spot position

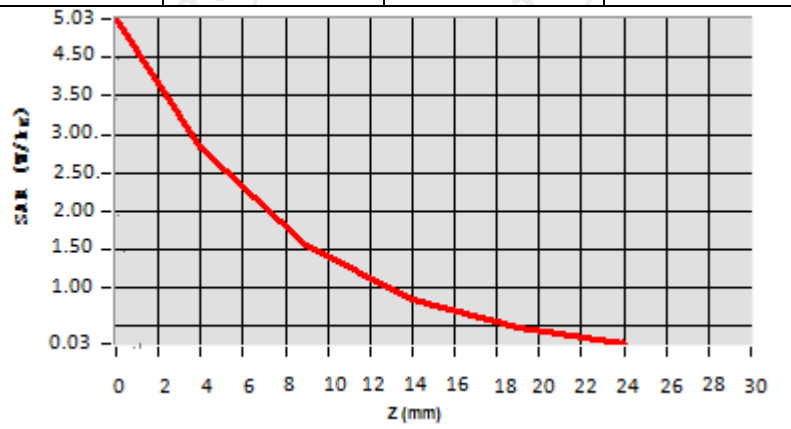
Date of measurement: 12/23/2024 Test mode: 2450MHz (Head)
Product Description: Validation
Dipole Model: SID2450
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.31
Frequency (MHz)	2450.000000
Relative permittivity (real part)	39.021365
Relative permittivity (imaginary part)	13.462135
Conductivity (S/m)	1.792554
Variation (%)	-3.320000
SAR 10g (W/Kg)	**2.495826**
SAR 1g (W/Kg)	**5.014332**

SURFACE SAR	**VOLUME SAR**
	



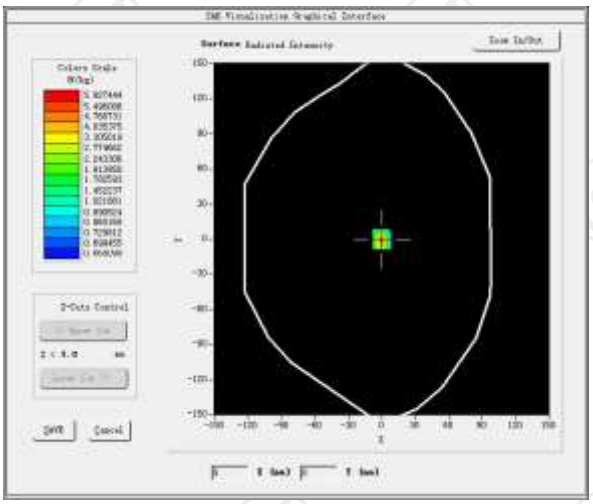
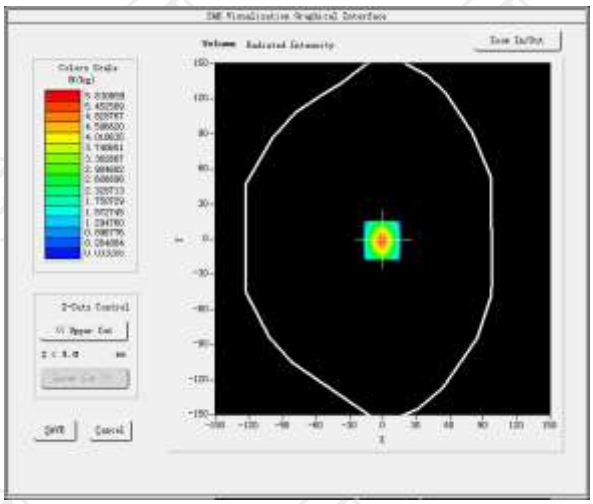
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.0306	2.8035	1.4926	0.8037	0.4226

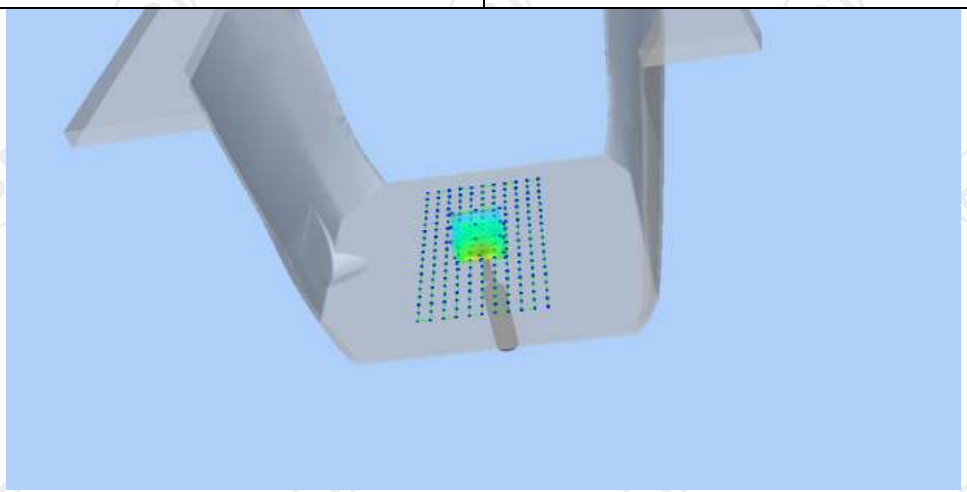


Hot spot position

Date of measurement: 12/25/2024 Test mode: 2600MHz (Head)
Product Description: Validation
Dipole Model: SID2600
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	4.36
Frequency (MHz)	2600.000000
Relative permittivity (real part)	38.782231
Relative permittivity (imaginary part)	12.542985
Conductivity (S/m)	1.901224
Variation (%)	1.420000
SAR 10g (W/Kg)	**2.632352**
SAR 1g (W/Kg)	**5.532589**

SURFACE SAR	**VOLUME SAR**
	



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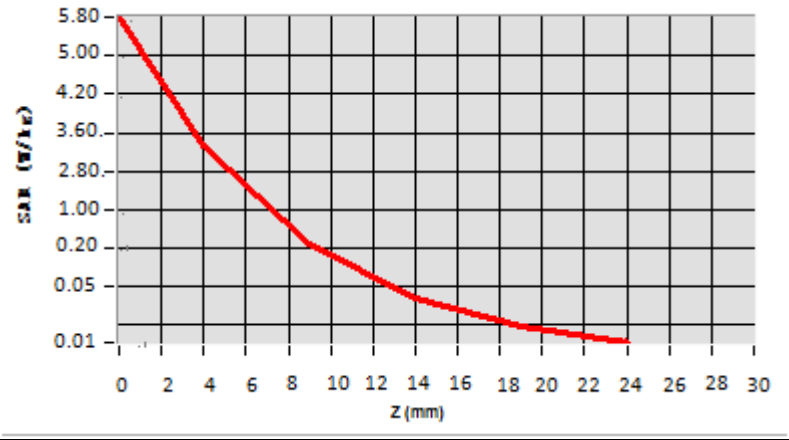
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.8015	3.3429	0.1995	0.0415	0.0264

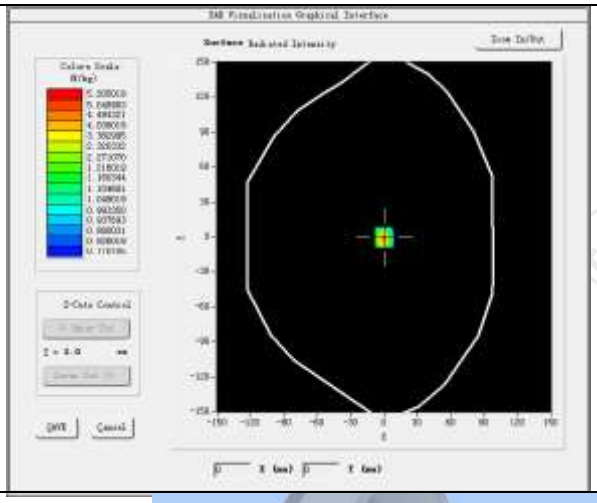


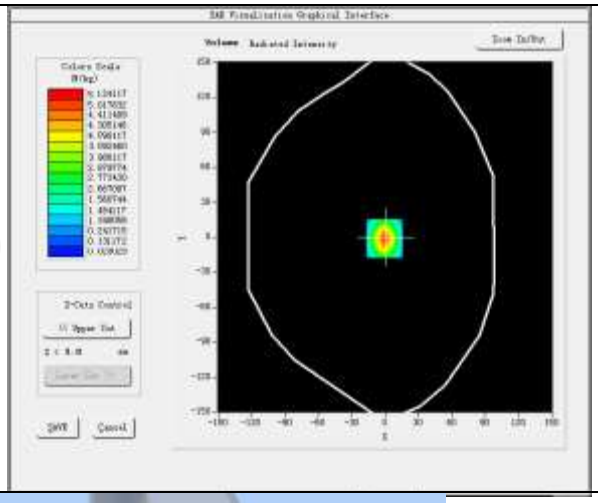
Hot spot position

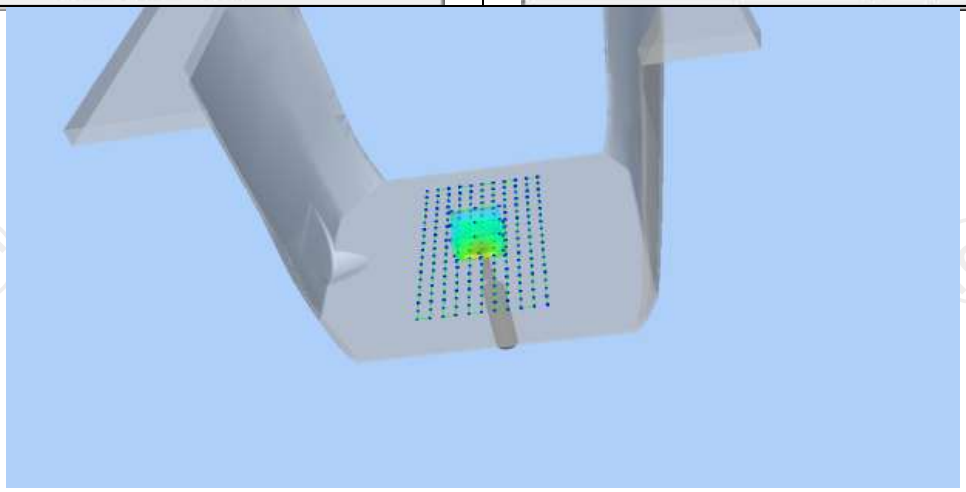
Date of measurement: 12/26/2024 Test mode: 5200MHz (Head)
Product Description: Validation
Dipole Model: SID5200
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.01
Frequency (MHz)	5200.000000
Relative permittivity (real part)	36.096423
Relative permittivity (imaginary part)	13.623512
Conductivity (S/m)	4.751951
Variation (%)	-1.950000
SAR 10g (W/Kg)	**6.291153**
SAR 1g (W/Kg)	**14.865941**

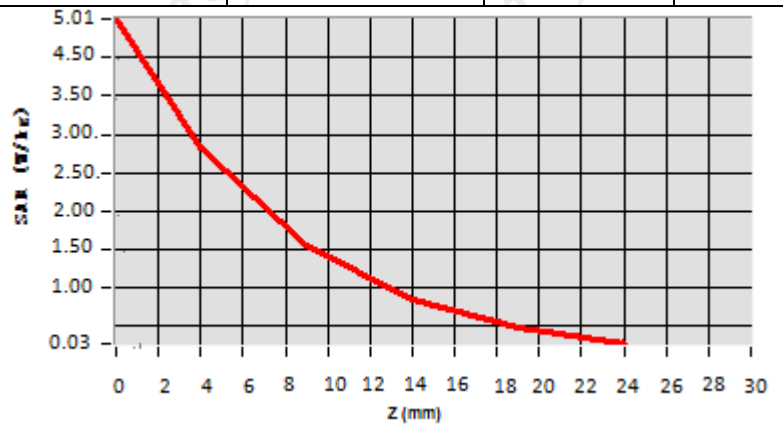
SURFACE SAR	**VOLUME SAR**







Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.0116	2.8215	1.4785	0.7958	0.3864

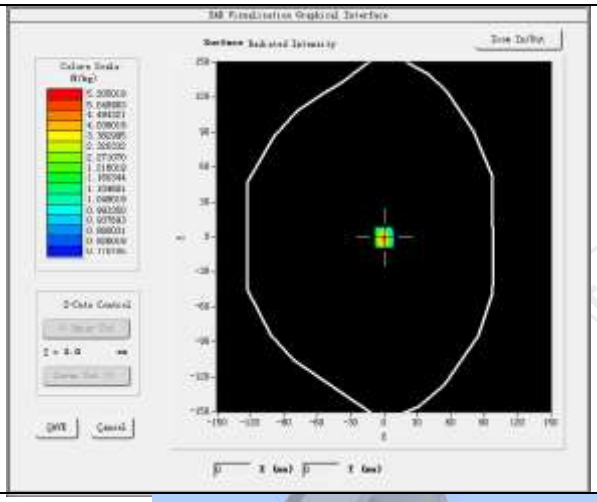


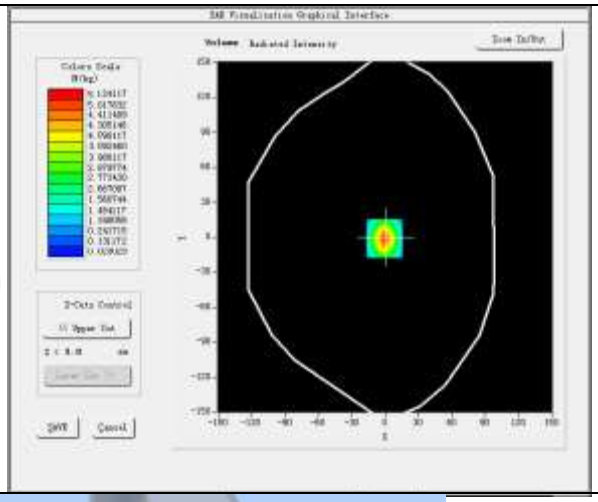
Hot spot position

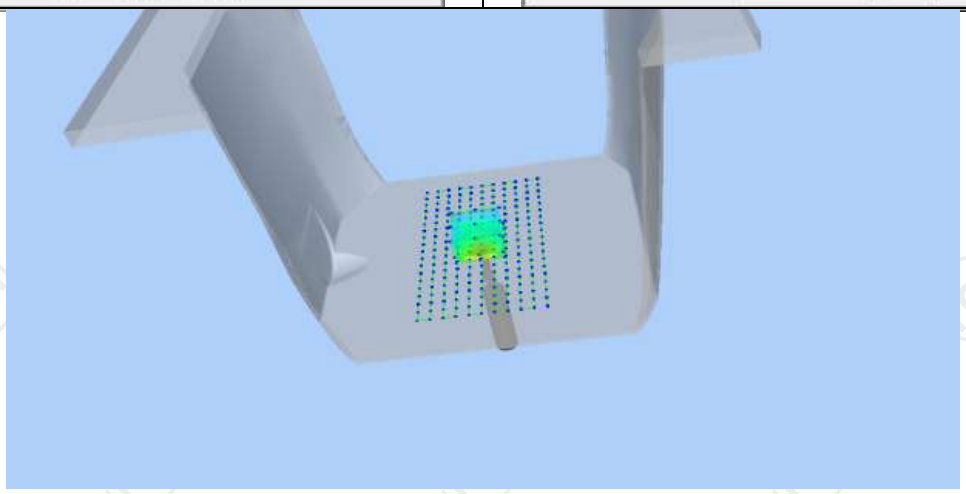
Date of measurement: 12/27/2024 Test mode: 5300MHz (Head)
Product Description: Validation
Dipole Model: SID5300
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	1.94
Frequency (MHz)	5300.000000
Relative permittivity (real part)	35.806412
Relative permittivity (imaginary part)	13.582641
Conductivity (S/m)	4.923431
Variation (%)	4.230000
SAR 10g (W/Kg)	**6.352143**
SAR 1g (W/Kg)	**15.234619**

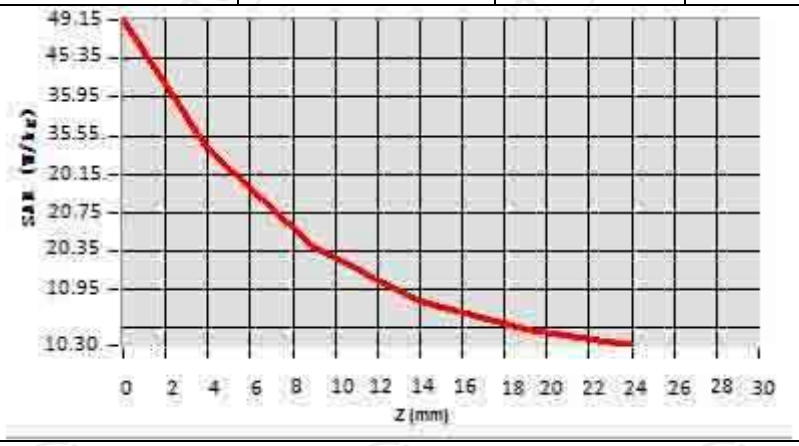
SURFACE SAR	**VOLUME SAR**







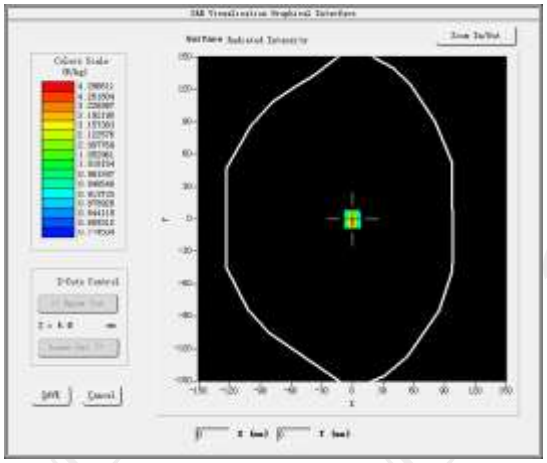
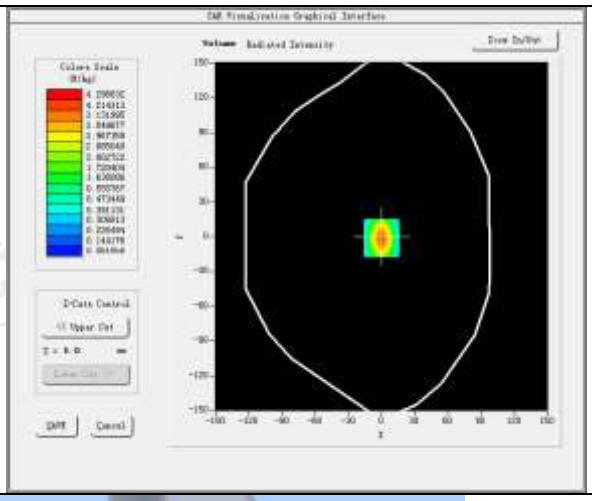
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	49.153	27.911	19.245	10.725	10.4711

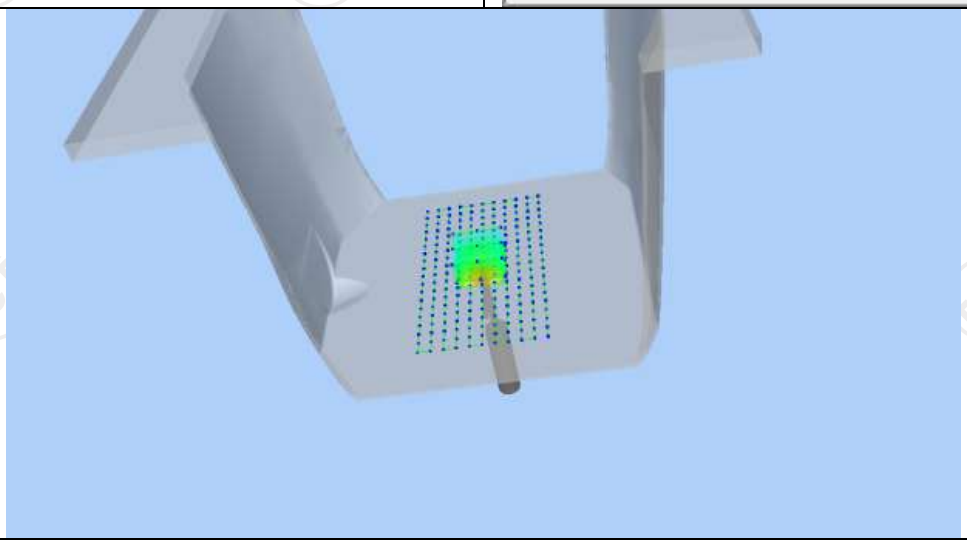


Hot spot position

Date of measurement: 12/30/2024 Test mode: 5600MHz (Head)
Product Description: Validation
Dipole Model: SID5600
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.12
Frequency (MHz)	5600.000000
Relative permittivity (real part)	35.421603
Relative permittivity (imaginary part)	13.690136
Conductivity (S/m)	5.106482
Variation (%)	3.470000
SAR 10g (W/Kg)	**6.052539**
SAR 1g (W/Kg)	**18.060166**

SURFACE SAR	**VOLUME SAR**
	



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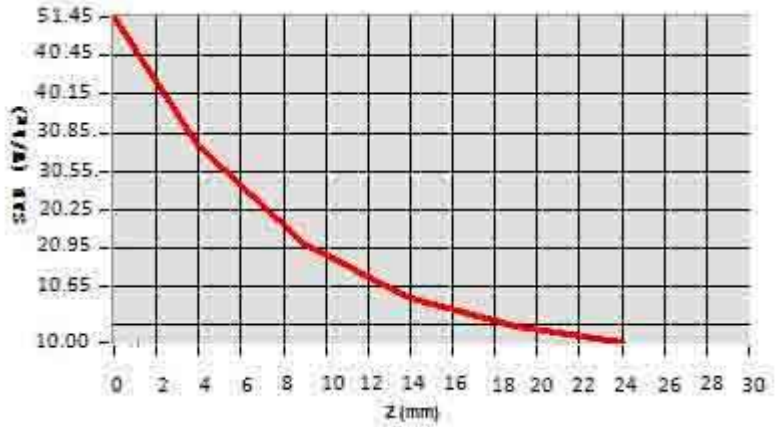
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	51.4532	30.7154	20.9525	10.5194	10.3514



Hot spot position

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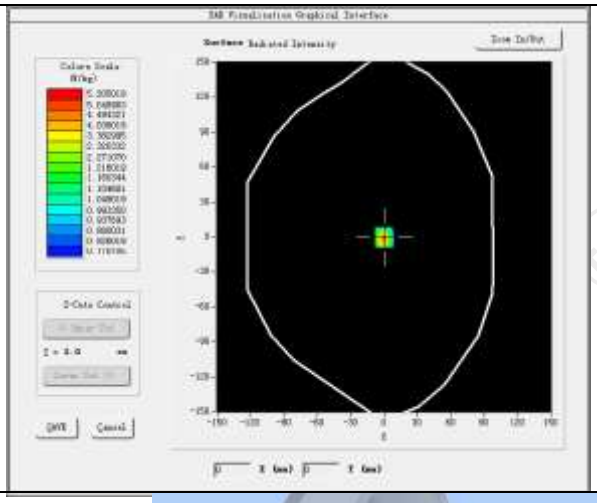
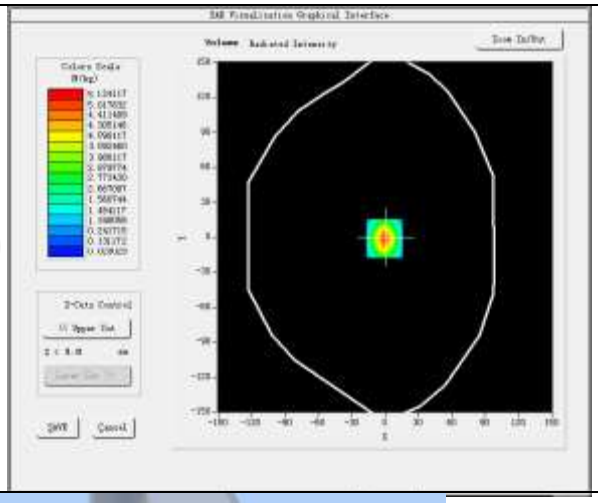
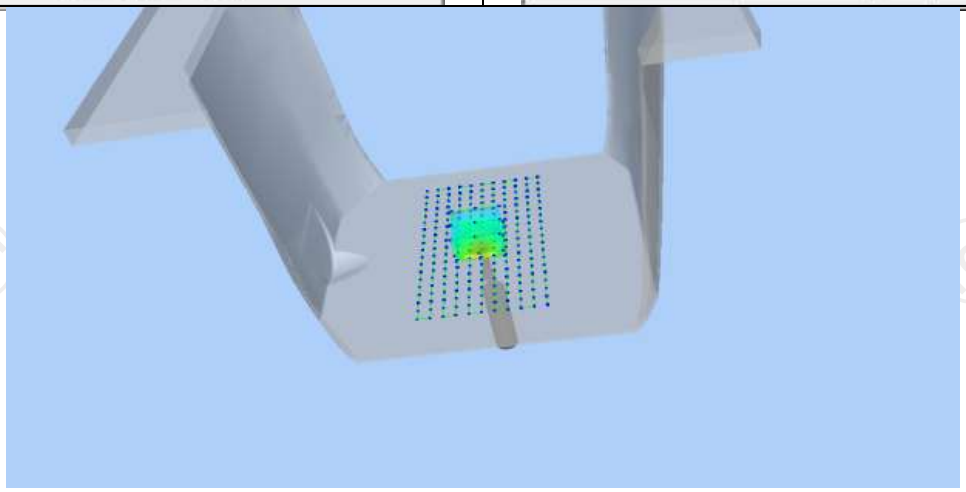
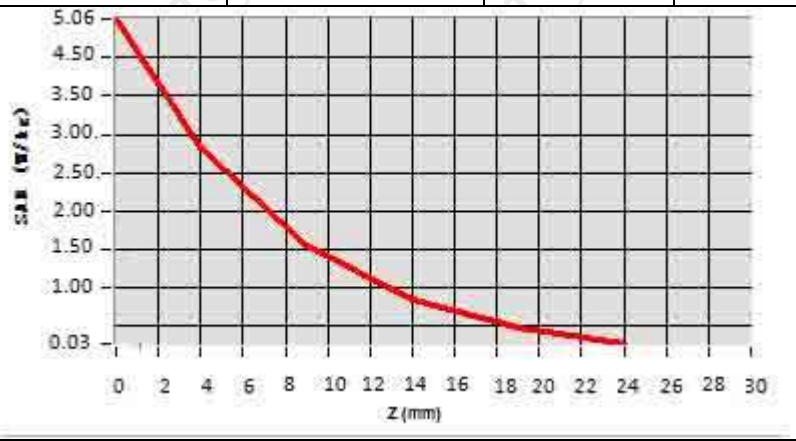
Date of measurement: 12/31/2024 Test mode: 5800MHz (Head)
Product Description: Validation
Dipole Model: SID5800
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.06
Frequency (MHz)	5800.000000
Relative permittivity (real part)	35.207165
Relative permittivity (imaginary part)	13.971652
Conductivity (S/m)	5.321605
Variation (%)	-3.100000
SAR 10g (W/Kg)	**5.961235**
SAR 1g (W/Kg)	**17.12593**

SURFACE SAR	**VOLUME SAR**
	



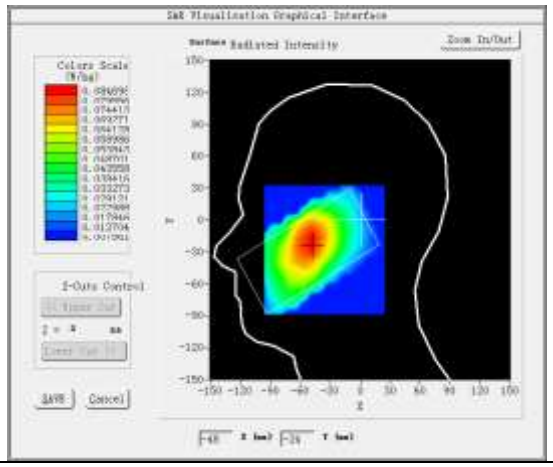
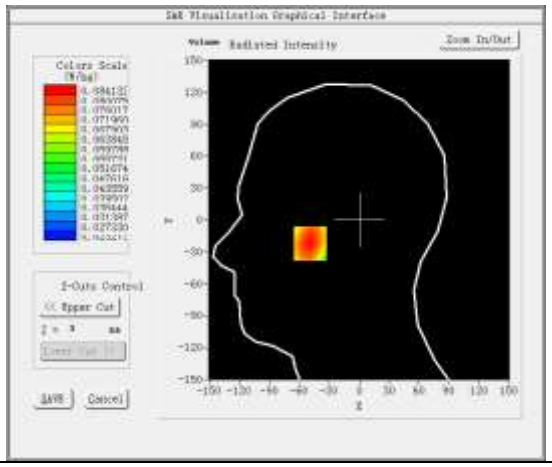
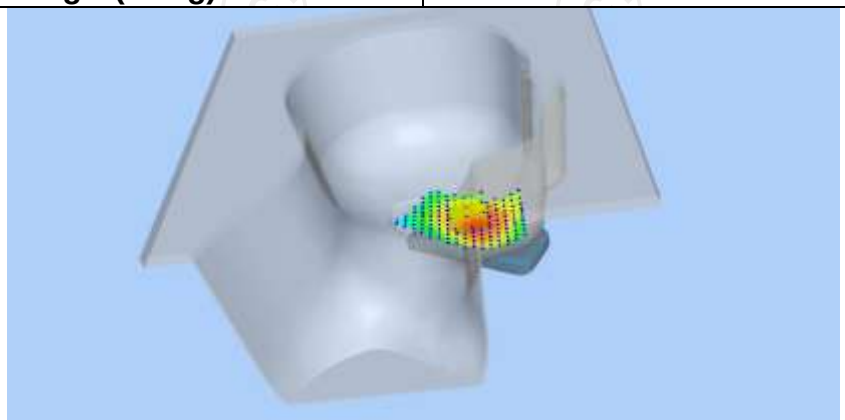
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.0602	2.8706	1.4986	0.8455	0.4621



Hot spot position

12. SAR Test Data

GSM850

MEASUREMENT 1	
Low Band SAR (Channel 128)	Date: 12/10/2024
Frequency (MHz)	824.200000
Relative permittivity (real part)	41.242478
Relative permittivity (imaginary part)	19.592011
Conductivity (S/m)	0.911826
Variation (%)	-4.320000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	GSM850(voice)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-49.00, Y=-22.00 SAR Peak: 0.08 W/kg	
SAR 10g (W/Kg)	0.049221
SAR 1g (W/Kg)	0.091065
	

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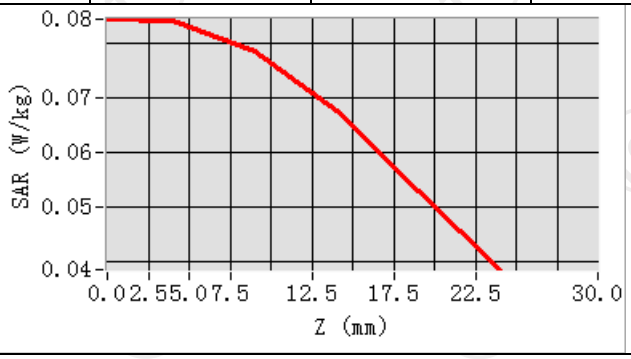
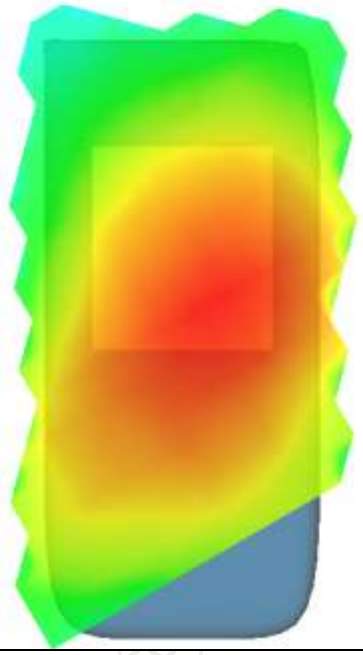
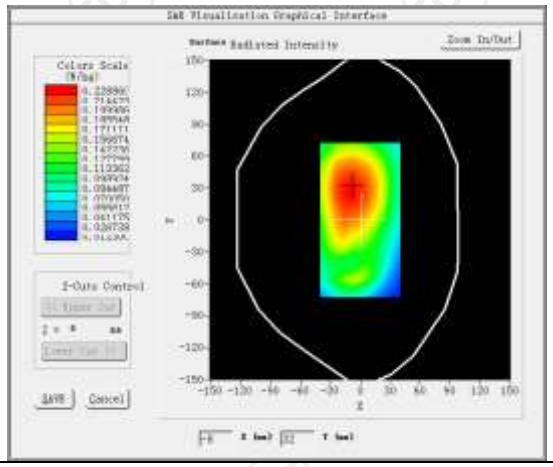
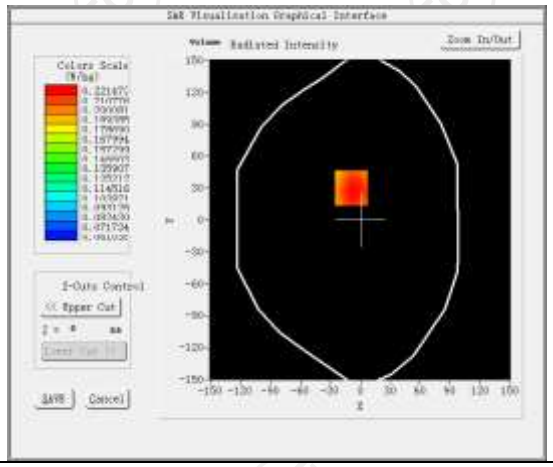
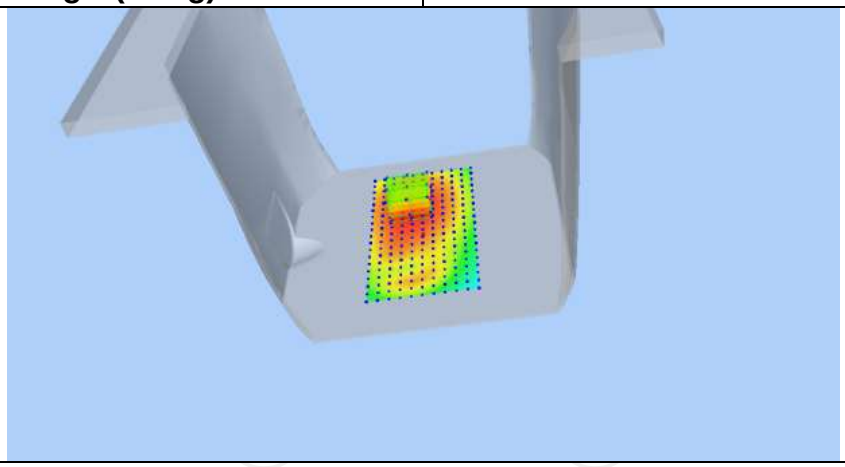
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0843	0.0841	0.0785	0.0675	0.0531

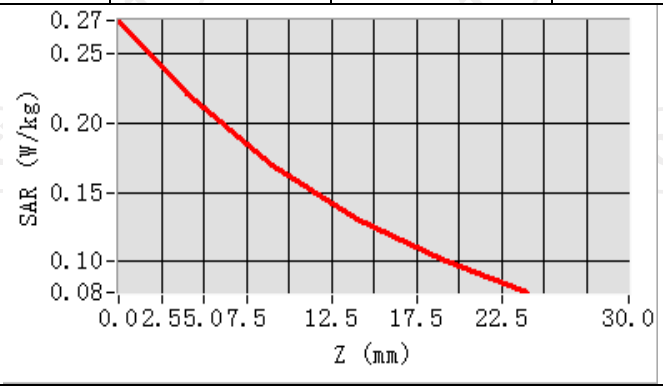


Hot spot position

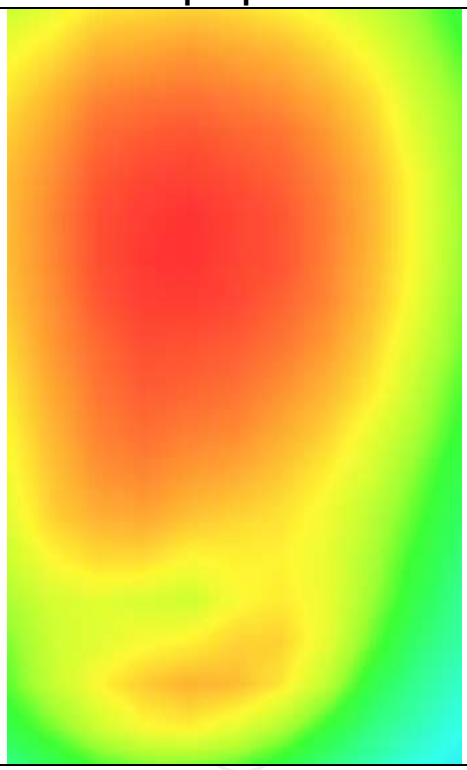


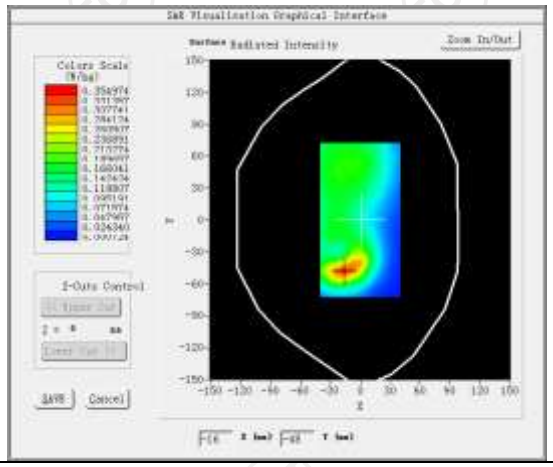
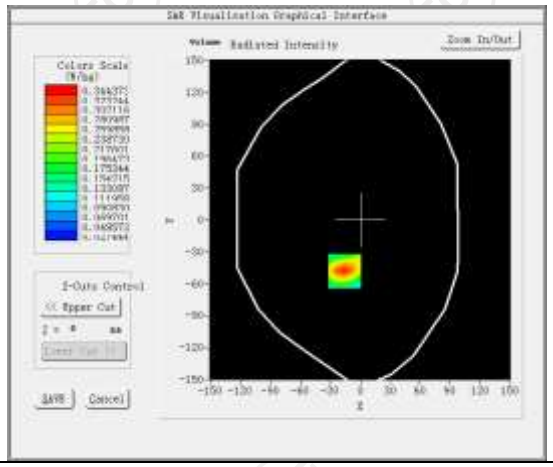
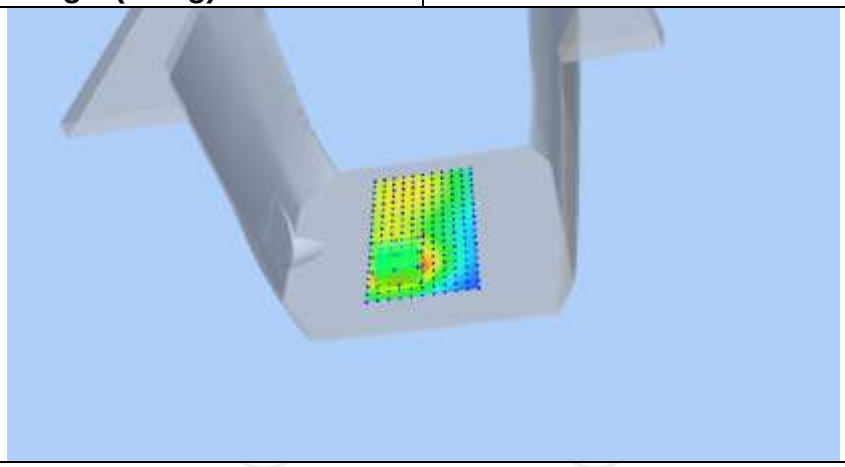
MEASUREMENT 2	
Low Band SAR (Channel 128)	Date: 12/10/2024
Frequency (MHz)	824.200000
Relative permittivity (real part)	41.242478
Relative permittivity (imaginary part)	19.592011
Conductivity (S/m)	0.911826
Variation (%)	-1.560000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	GSM850(Voice)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-9.00, Y=30.00 SAR Peak: 0.27 W/kg	
SAR 10g (W/Kg)	0.126713
SAR 1g (W/Kg)	0.242259
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2736	0.2215	0.1699	0.1311	0.1017

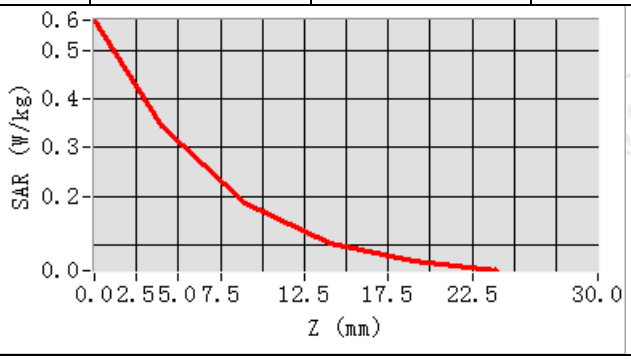


Hot spot position

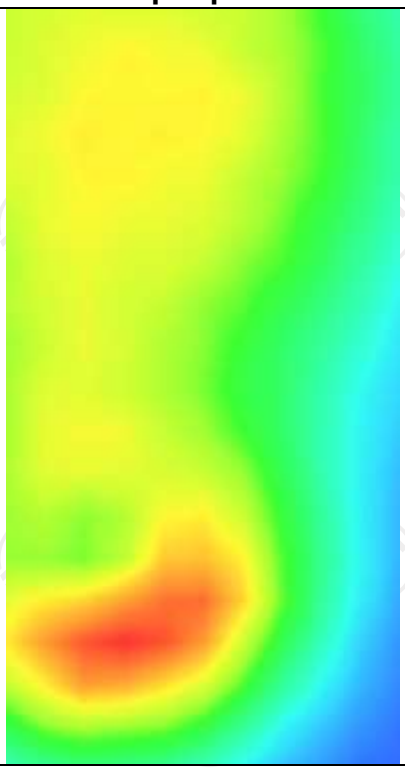


MEASUREMENT 3	
Low Band SAR (Channel 128)	Date: 12/10/2024
Frequency (MHz)	824.200000
Relative permittivity (real part)	41.242478
Relative permittivity (imaginary part)	19.592011
Conductivity (S/m)	0.911826
Variation (%)	-0.320000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	GSM850(GPRS 3slot)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-16.00, Y=-48.00 SAR Peak: 0.56 W/kg	
SAR 10g (W/Kg)	0.156128
SAR 1g (W/Kg)	0.317642
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5610	0.3444	0.1841	0.1039	0.0672



Hot spot position



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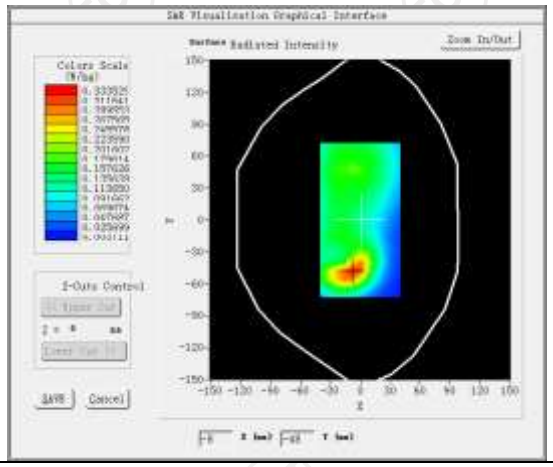
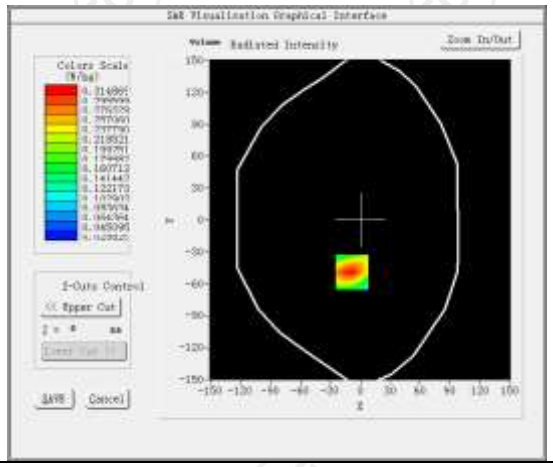
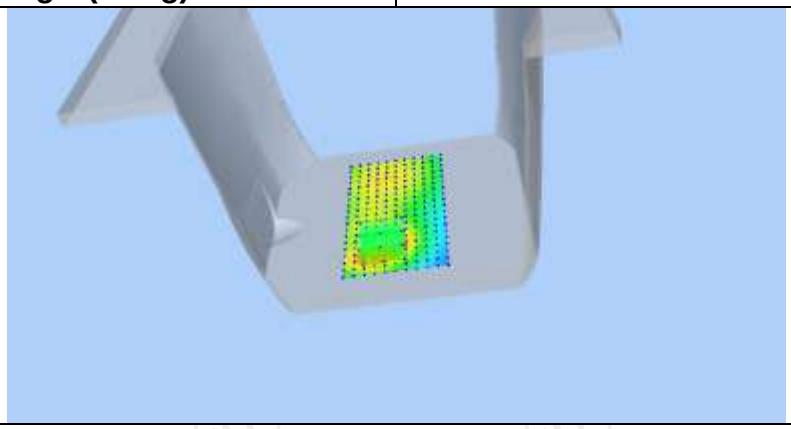
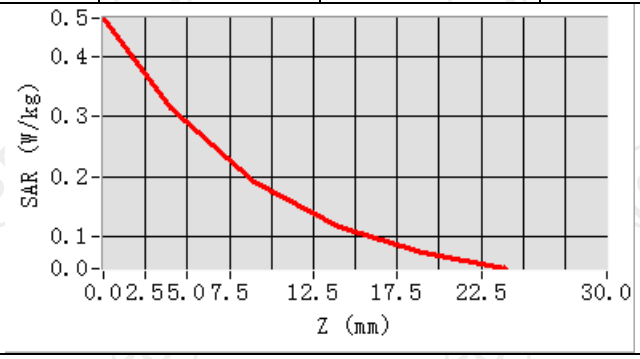
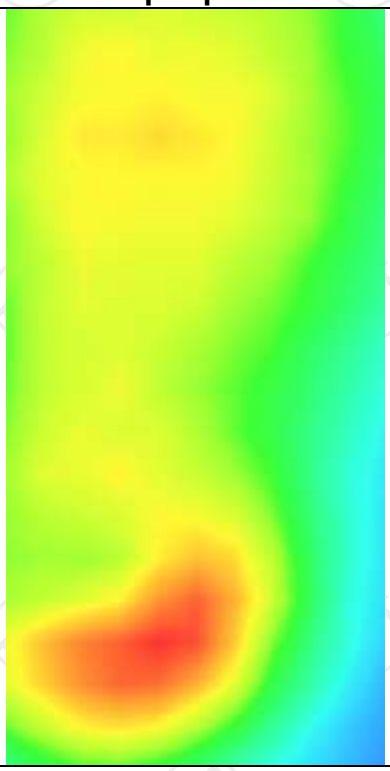
MEASUREMENT 4	
Low Band SAR (Channel 128)	Date: 12/10/2024
Frequency (MHz)	824.200000
Relative permittivity (real part)	41.242478
Relative permittivity (imaginary part)	19.592011
Conductivity (S/m)	0.911826
Variation (%)	0.370000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	GSM850(GPRS 3slot hotspot)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-8.00, Y=-49.00 SAR Peak: 0.47 W/kg	
SAR 10g (W/Kg)	0.169867
SAR 1g (W/Kg)	0.292821
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4637	0.3149	0.1917	0.1182	0.0755



Hot spot position



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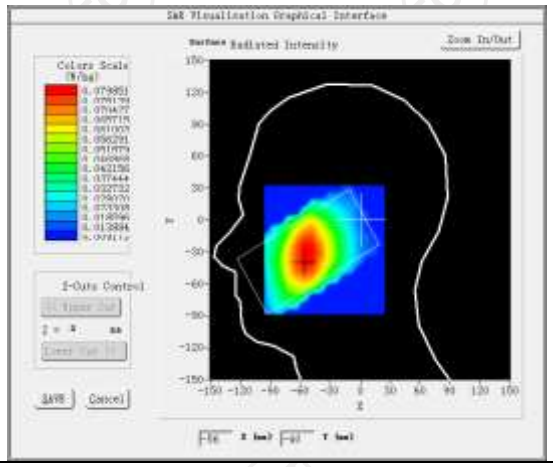
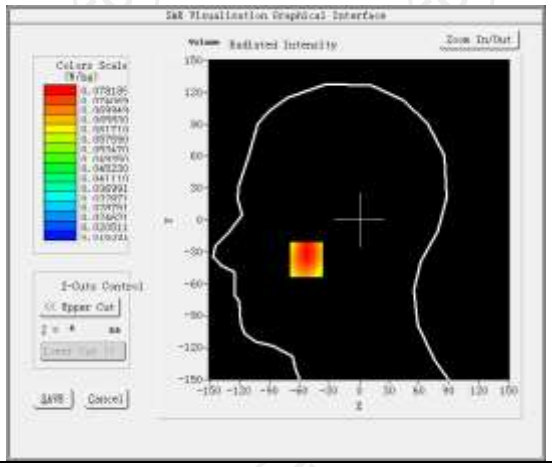
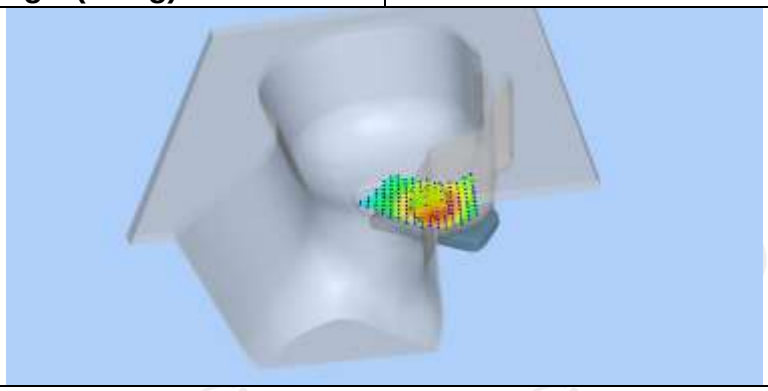
GSM1900

MEASUREMENT 1	
Low Band SAR (Channel 512):	Date: 12/18/2024
Frequency (MHz)	1850.200000
Relative permittivity (real part)	40.141211
Relative permittivity (imaginary part)	13.762715
Conductivity (S/m)	1.400701
Variation (%)	-3.250000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	GSM1900(voice)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-53.00, Y=-37.00 SAR Peak: 0.08 W/kg	
SAR 10g (W/Kg)	0.041392
SAR 1g (W/Kg)	0.092395
	

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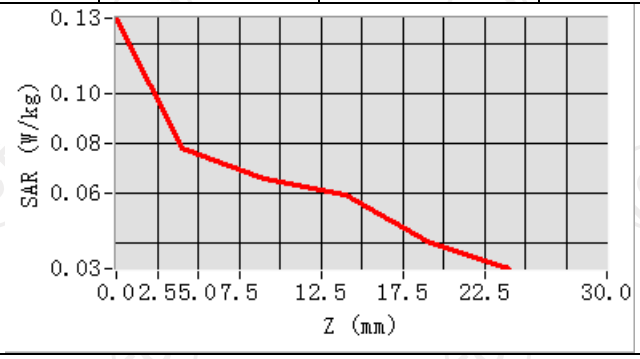
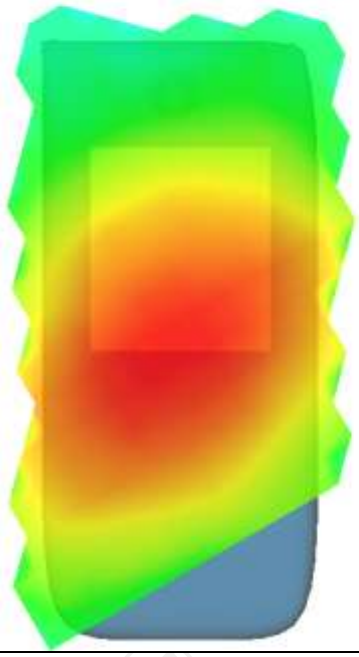
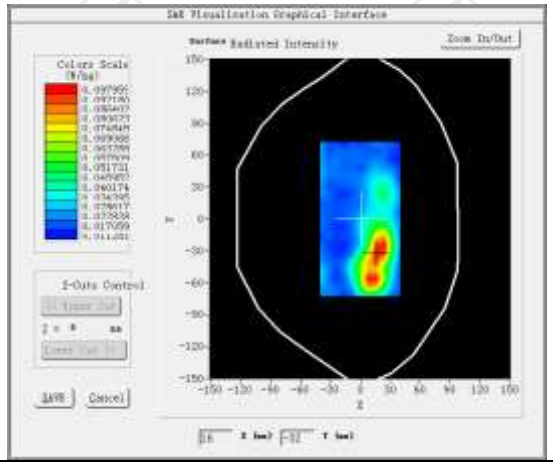
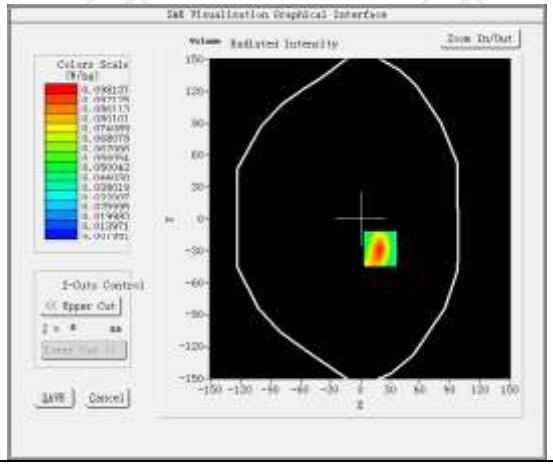
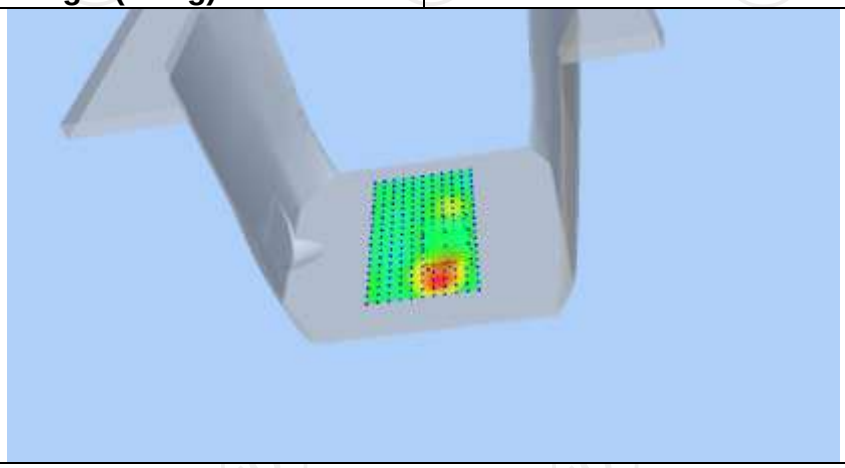
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1304	0.0782	0.0657	0.0595	0.0406

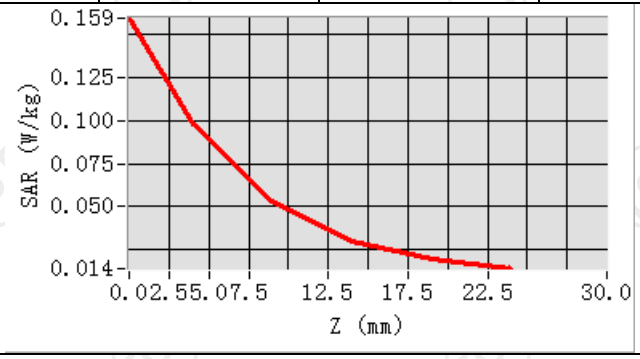


Hot spot position

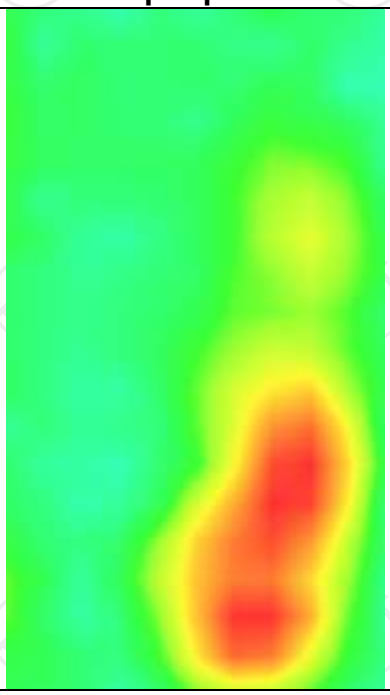


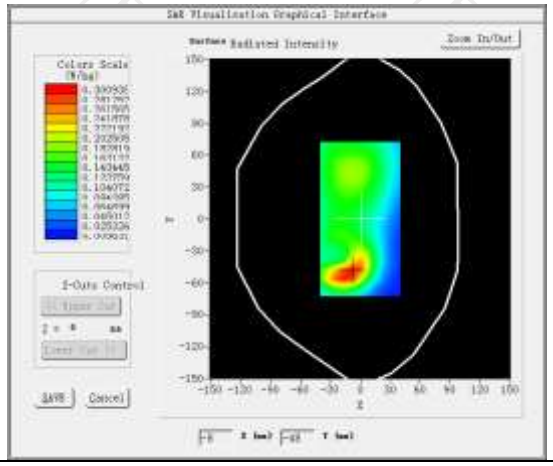
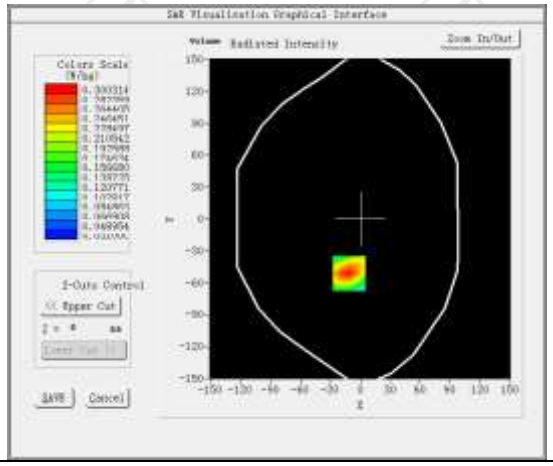
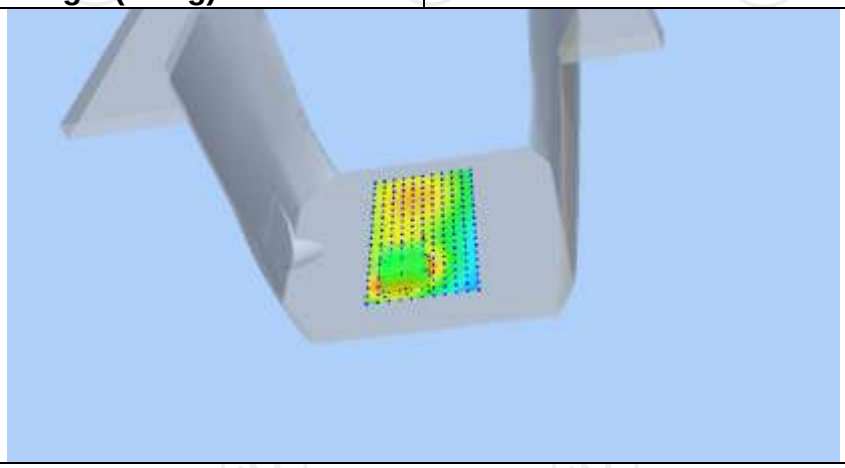
MEASUREMENT 2	
Low Band SAR (Channel 512):	Date: 12/18/2024
Frequency (MHz)	1850.200000
Relative permittivity (real part)	40.141211
Relative permittivity (imaginary part)	13.762715
Conductivity (S/m)	1.400701
Variation (%)	-2.540000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	GSM1900(voice)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=20.00, Y=-28.00 SAR Peak: 0.16 W/kg	
SAR 10g (W/Kg)	0.039825
SAR 1g (W/Kg)	0.087426
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1593	0.0981	0.0528	0.0300	0.0196



Hot spot position



MEASUREMENT 3	
Low Band SAR (Channel 512):	Date: 12/18/2024
Frequency (MHz)	1850.200000
Relative permittivity (real part)	40.141211
Relative permittivity (imaginary part)	13.762715
Conductivity (S/m)	1.400701
Variation (%)	2.480000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	GSM1900(GPRS 3slot)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-11.00, Y=-51.00 SAR Peak: 0.45 W/kg	
SAR 10g (W/Kg)	0.173031
SAR 1g (W/Kg)	0.318225
	

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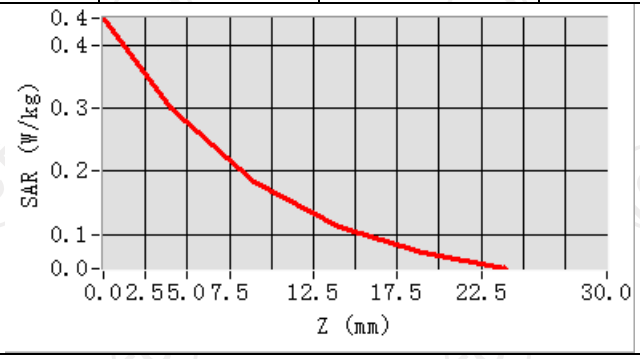
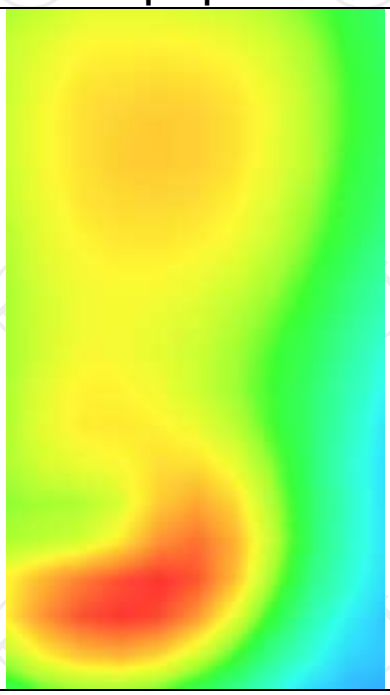
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4429	0.3003	0.1826	0.1126	0.0723



Hot spot position



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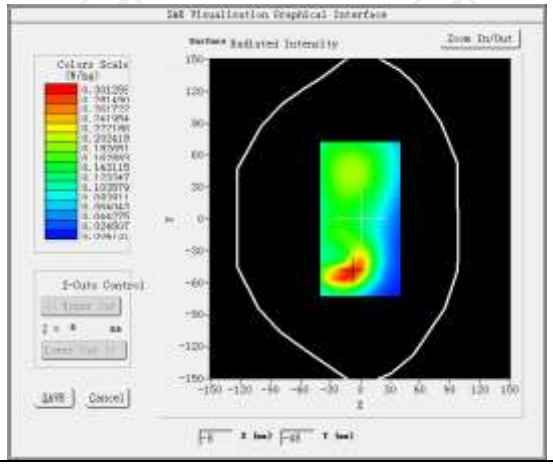
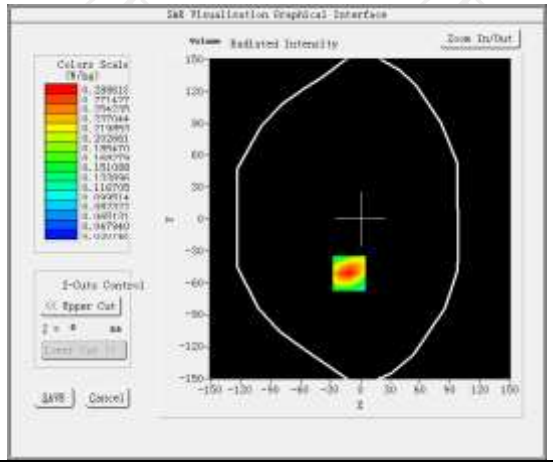
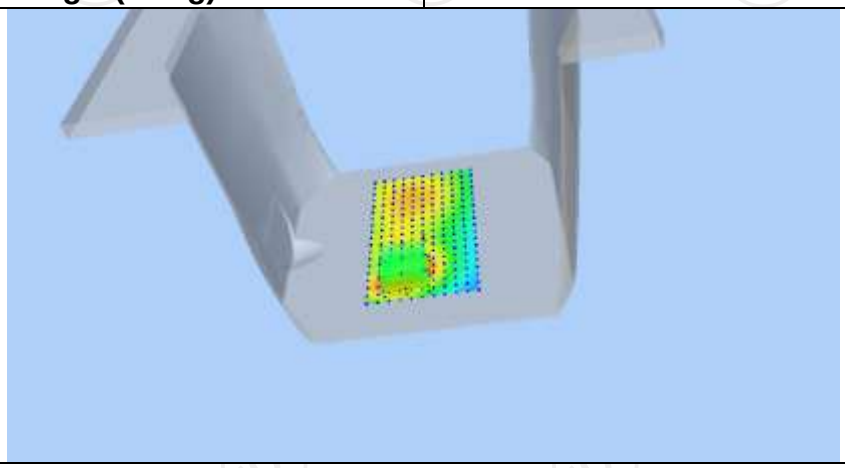
MEASUREMENT 4	
Low Band SAR (Channel 512):	Date: 12/18/2024
Frequency (MHz)	1850.200000
Relative permittivity (real part)	40.141211
Relative permittivity (imaginary part)	13.762715
Conductivity (S/m)	1.400701
Variation (%)	-1.050000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	GSM1900(GPRS 3slot hotspot)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-11.00, Y=-51.00 SAR Peak: 0.43 W/kg	
SAR 10g (W/Kg)	0.154298
SAR 1g (W/Kg)	0.287715
	

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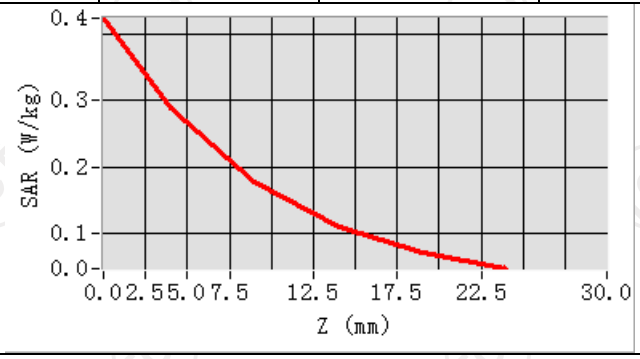
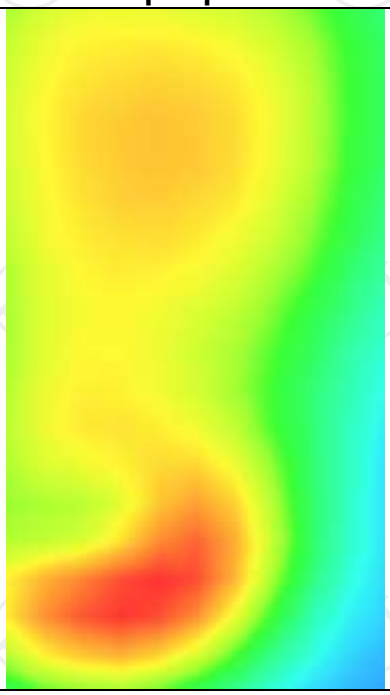
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4233	0.2886	0.1771	0.1107	0.0722



Hot spot position



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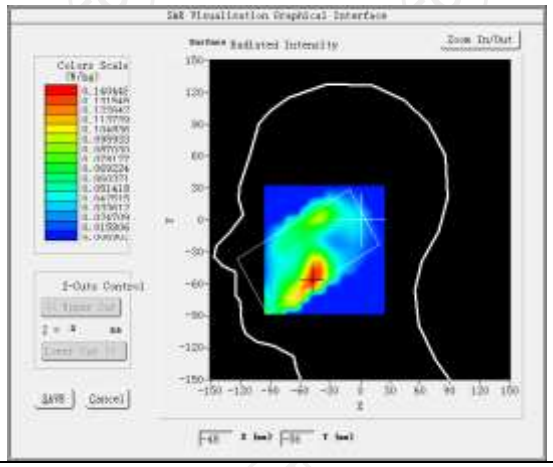
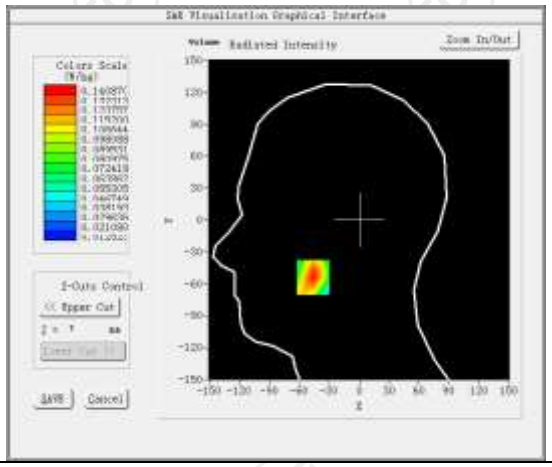
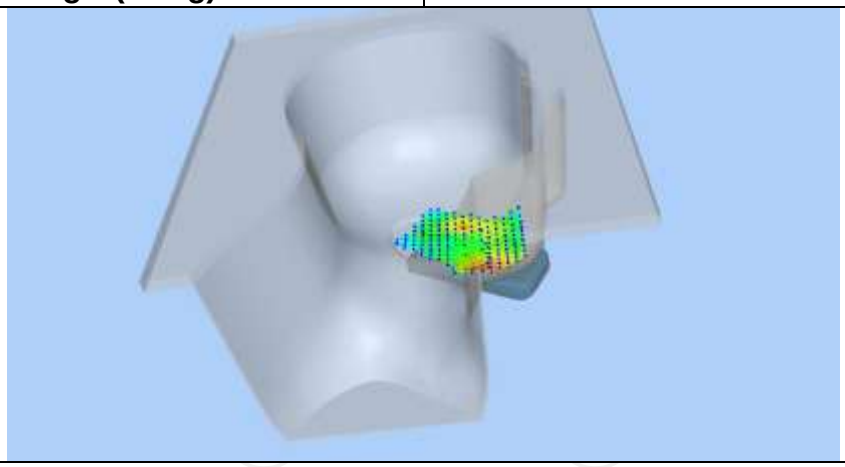
WCDMA Band II

MEASUREMENT 1	
High Band SAR (Channel 9538):	Date: 12/18/2024
Frequency (MHz)	1907.600000
Relative permittivity (real part)	39.910661
Relative permittivity (imaginary part)	13.391986
Conductivity (S/m)	1.413958
Variation (%)	-0.690000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	BAND2 WCDMA1900
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-46.00, Y=-54.00 SAR Peak: 0.20 W/kg	
SAR 10g (W/Kg)	0.081582
SAR 1g (W/Kg)	0.133062
	

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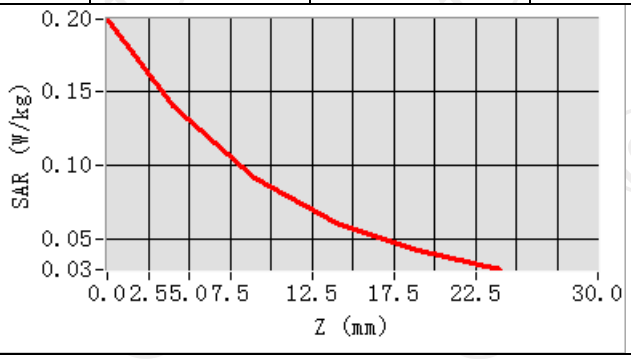
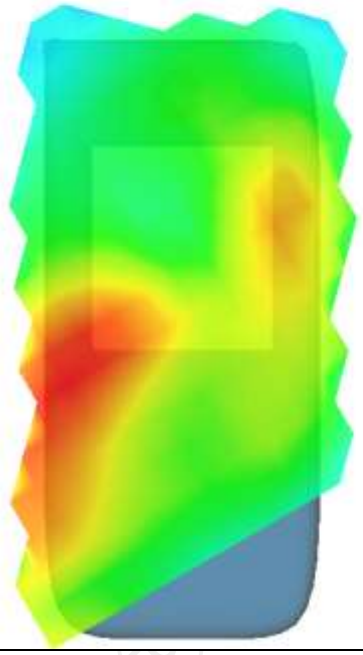
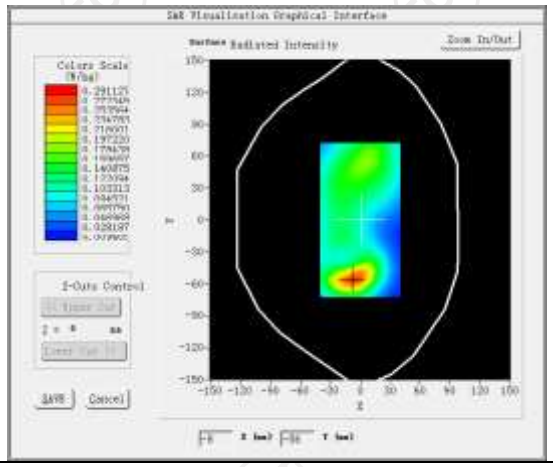
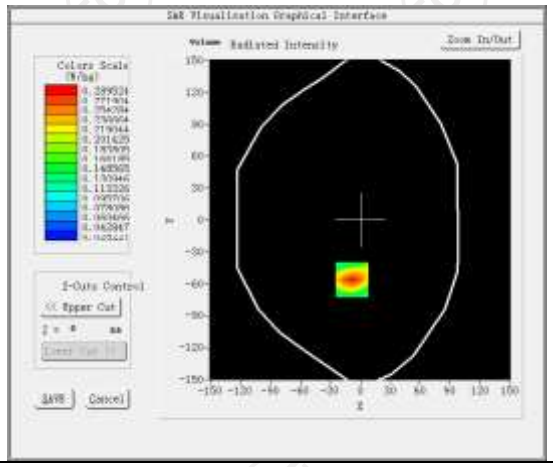
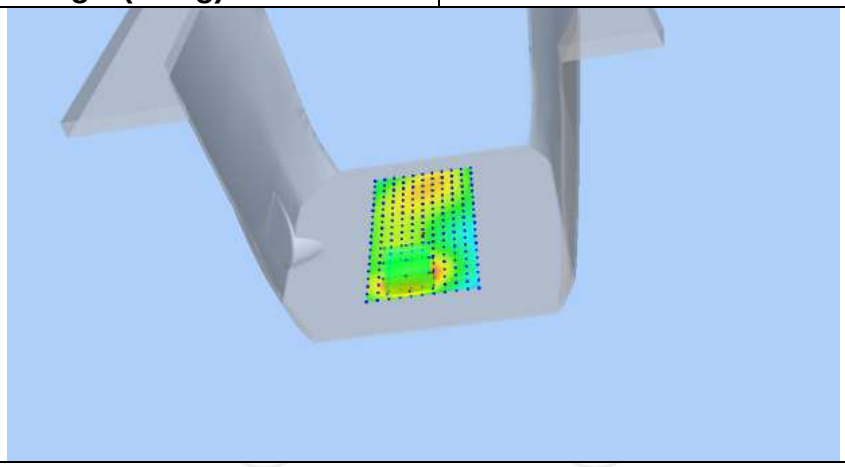
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1993	0.1409	0.0911	0.0603	0.0416

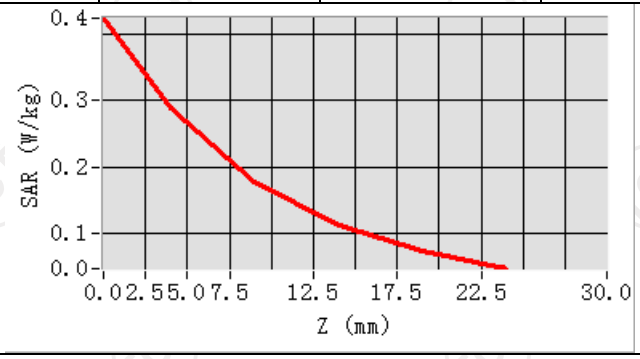


Hot spot position

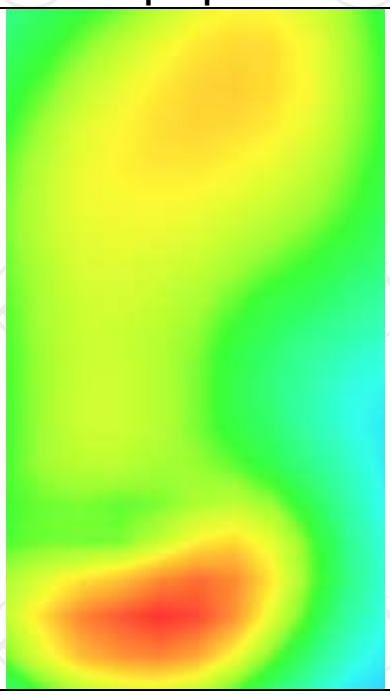


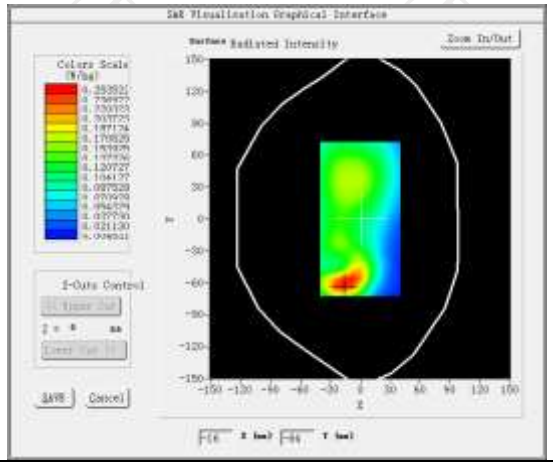
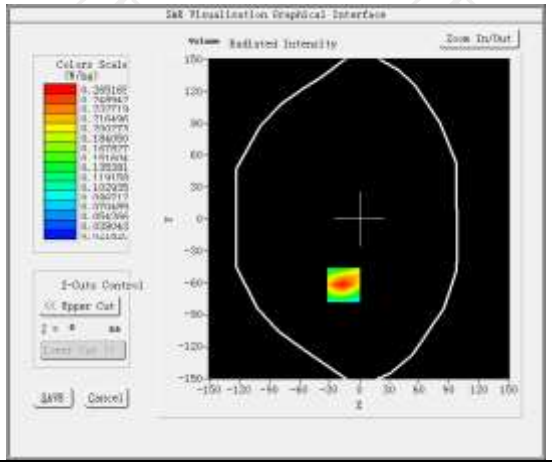
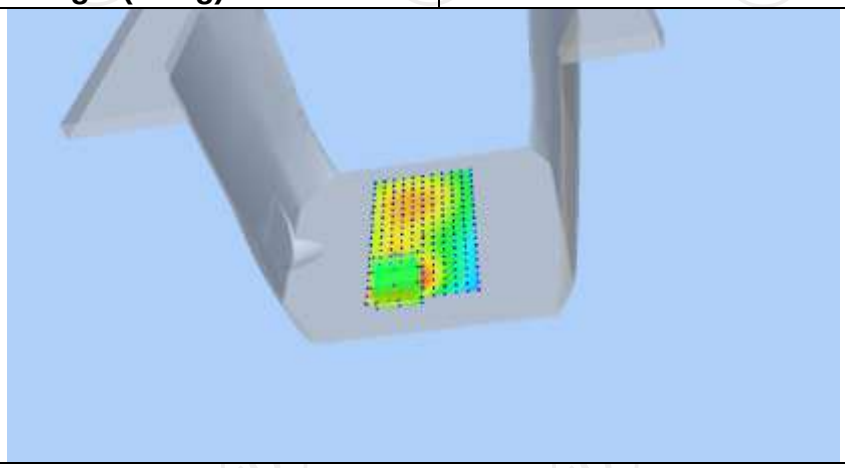
MEASUREMENT 2	
High Band SAR (Channel 9538):	Date: 12/18/2024
Frequency (MHz)	1907.600000
Relative permittivity (real part)	39.910661
Relative permittivity (imaginary part)	13.391986
Conductivity (S/m)	1.413958
Variation (%)	-2.630000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	BAND2 WCDMA1900
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-8.00, Y=-56.00 SAR Peak: 0.43 W/kg	
SAR 10g (W/Kg)	0.196235
SAR 1g (W/Kg)	0.267135
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5434	0.3849	0.2476	0.1603	0.1057



Hot spot position



MEASUREMENT 3	
High Band SAR (Channel 9538):	Date: 12/18/2024
Frequency (MHz)	1907.600000
Relative permittivity (real part)	39.910661
Relative permittivity (imaginary part)	13.391986
Conductivity (S/m)	1.413958
Variation (%)	-1.990000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	BAND2_WCDMA1900(hotspot)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-16.00, Y=-62.00 SAR Peak: 0.41 W/kg	
SAR 10g (W/Kg)	0.192658
SAR 1g (W/Kg)	0.233625
	

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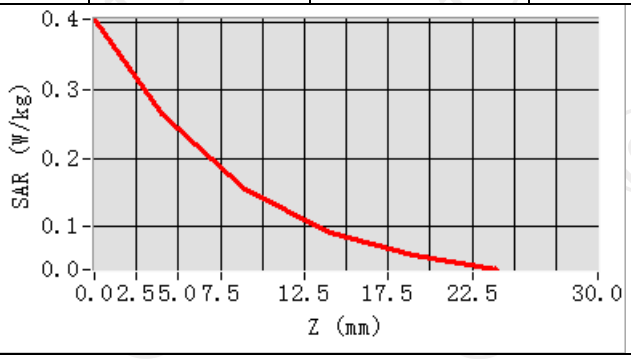
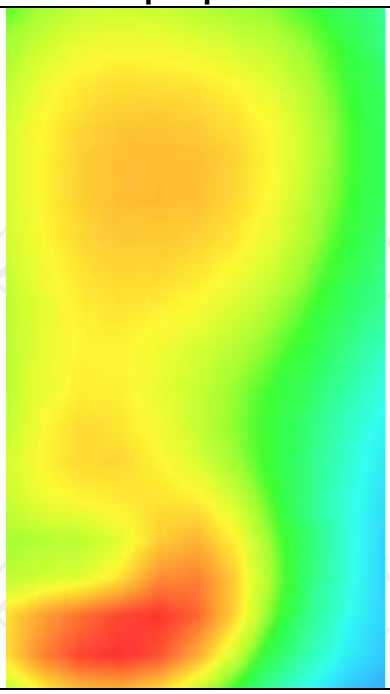
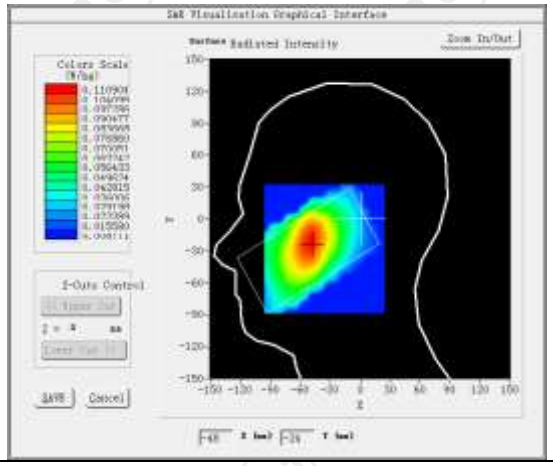
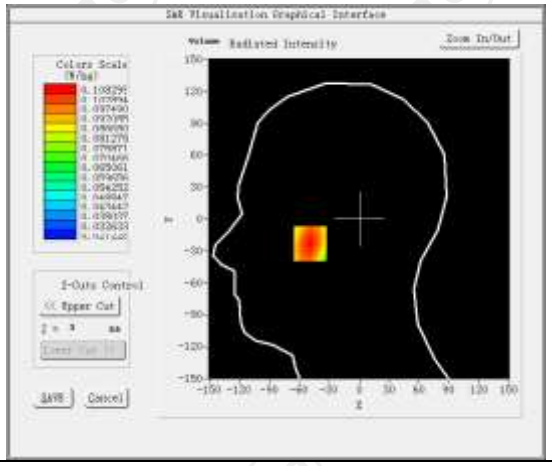
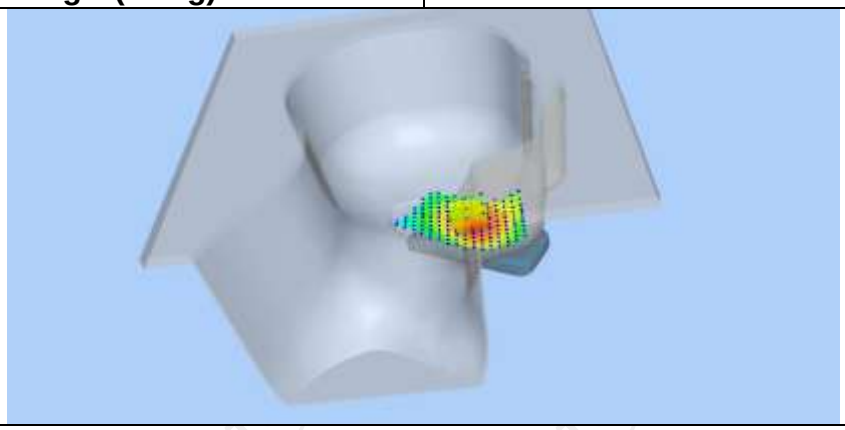
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4040	0.2652	0.1544	0.0920	0.0581



Hot spot position



WCDMA Band IV

MEASUREMENT 1	
High Band SAR (Channel 1513):	Date: 12/13/2024
Frequency (MHz)	1752.600000
Relative permittivity (real part)	40.398423
Relative permittivity (imaginary part)	14.389295
Conductivity (S/m)	1.369133
Variation (%)	-4.210000
Crest Factor	1.0
Probe Conversion factor	2.08
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	BAND4_WCDMA1700
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-49.00, Y=-23.00 SAR Peak: 0.12 W/kg	
SAR 10g (W/Kg)	0.080523
SAR 1g (W/Kg)	0.101325
	

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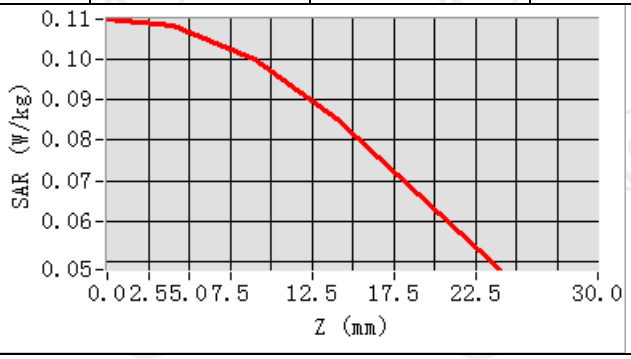
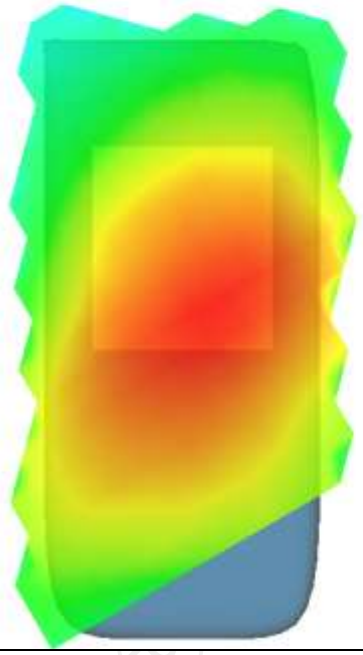
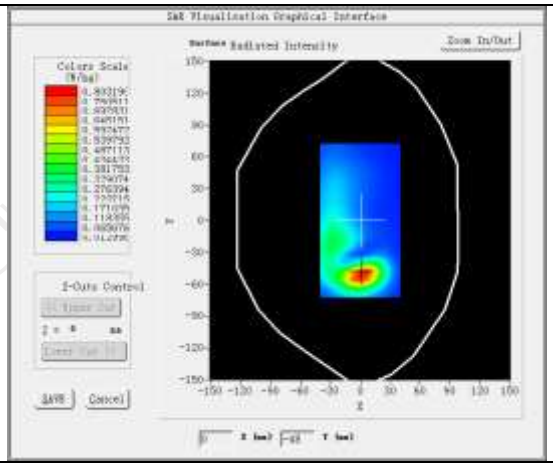
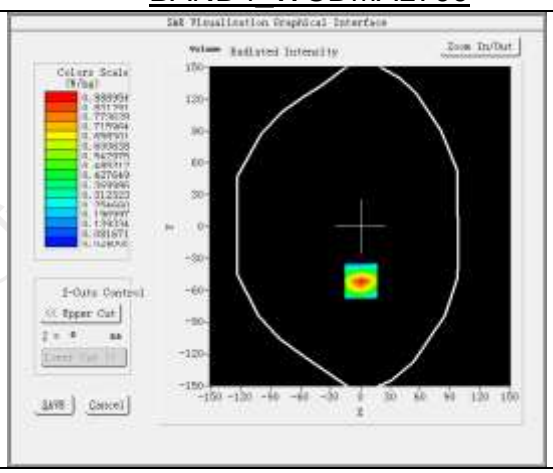
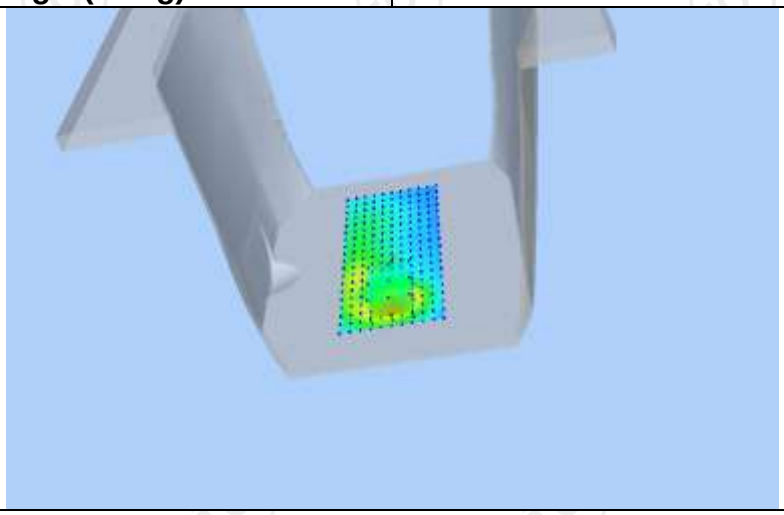
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1097	0.1083	0.1000	0.0853	0.0666

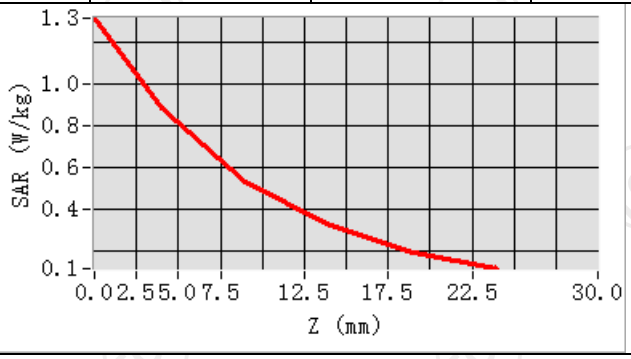


Hot spot position

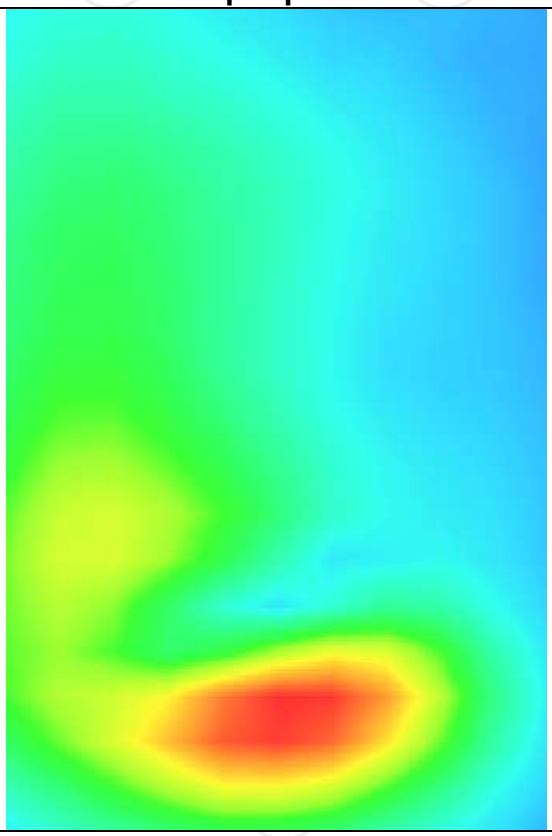


MEASUREMENT 2	
High Band SAR (Channel 1513):	Date: 12/13/2024
Frequency (MHz)	1752.600000
Relative permittivity (real part)	40.398423
Relative permittivity (imaginary part)	14.389295
Conductivity (S/m)	1.369133
Variation (%)	-3.120000
Crest Factor	1.0
Probe Conversion factor	2.08
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	BAND4_WCDMA1700
	
Maximum location: X=1.00, Y=-51.00 SAR Peak: 1.33 W/kg	
SAR 10g (W/Kg)	0.505482
SAR 1g (W/Kg)	0.812311
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.3171	0.8890	0.5333	0.3197	0.1950



Hot spot position



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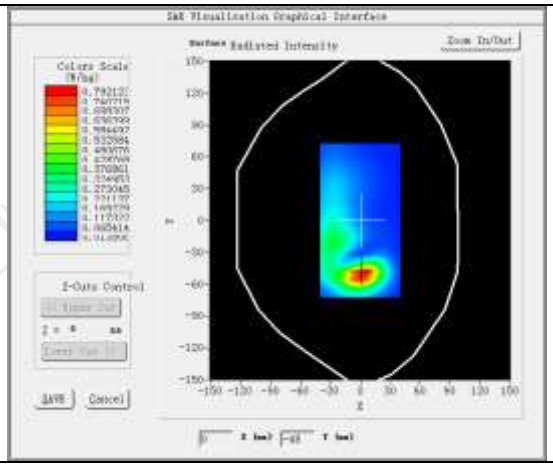
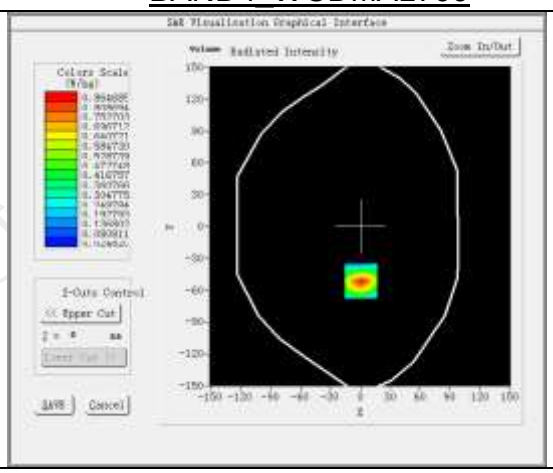
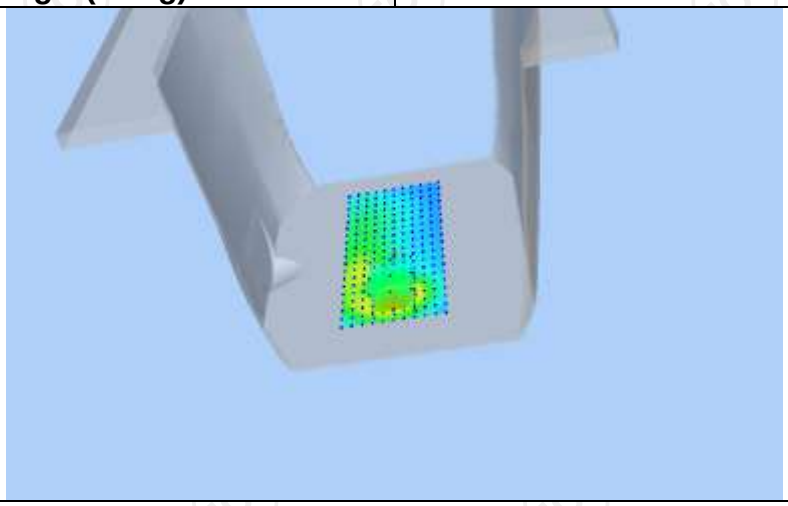
MEASUREMENT 3	
High Band SAR (Channel 1513):	Date: 12/13/2024
Frequency (MHz)	1752.600000
Relative permittivity (real part)	40.398423
Relative permittivity (imaginary part)	14.389295
Conductivity (S/m)	1.369133
Variation (%)	-3.250000
Crest Factor	1.0
Probe Conversion factor	2.08
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(hotspot 10mm)
Band	BAND4_WCDMA1700
	
Maximum location: X=1.00, Y=-51.00 SAR Peak1.31 W/kg	
SAR 10g (W/Kg)	0.446287
SAR 1g (W/Kg)	0.739265
	

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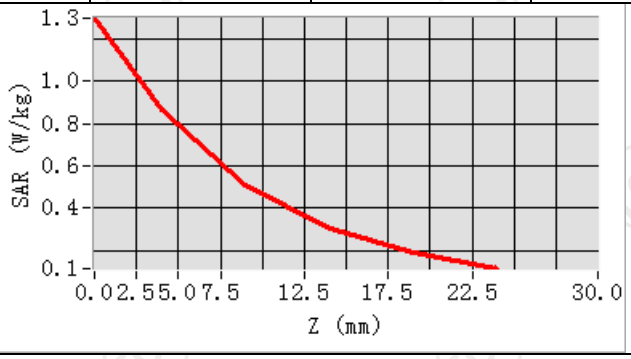
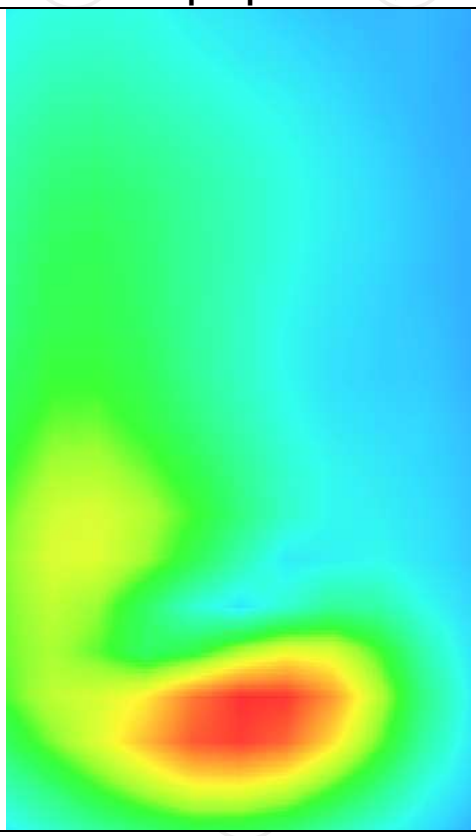
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.2977	0.8647	0.5112	0.3044	0.1872



Hot spot position



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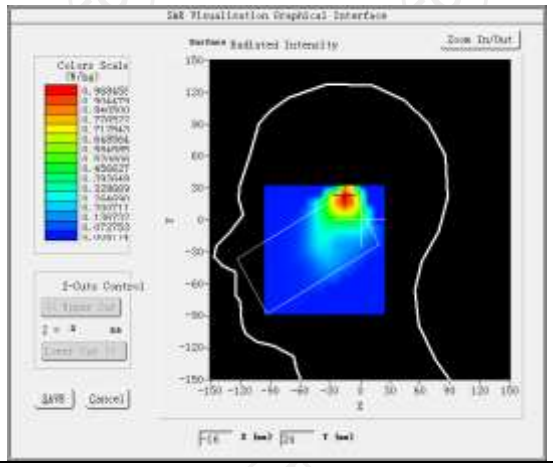
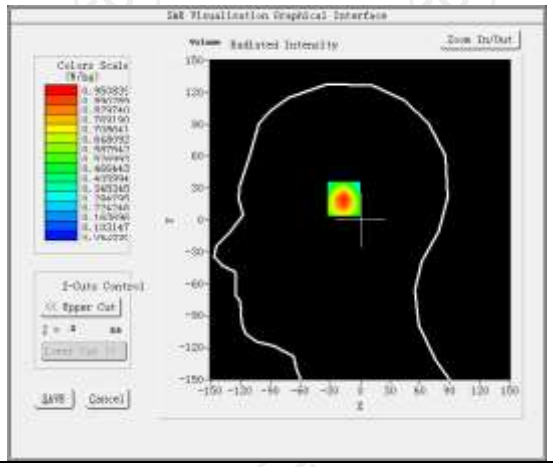
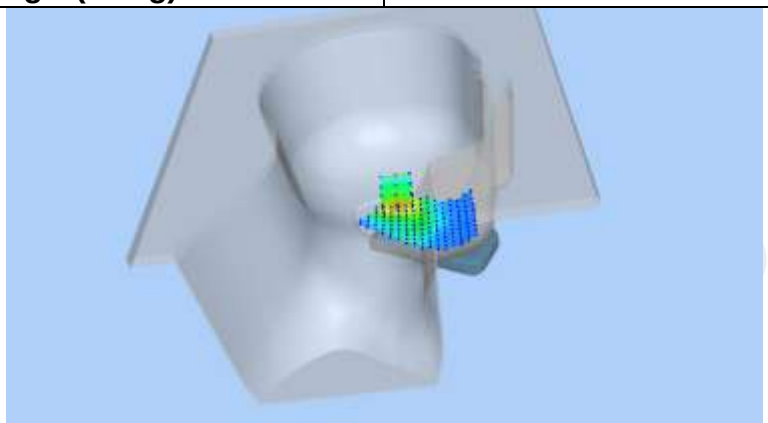
WCDMA Band V

MEASUREMENT 1	
Middle Band SAR (Channel 4183):	Date: 12/10/2024
Frequency (MHz)	836.600000
Relative permittivity (real part)	41.120605
Relative permittivity (imaginary part)	19.256901
Conductivity (S/m)	0.913999
Variation (%)	0.650000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	BAND5_WCDMA850
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-15.00, Y=22.00 SAR Peak: 1.42 W/kg	
SAR 10g (W/Kg)	0.502985
SAR 1g (W/Kg)	0.800316
	

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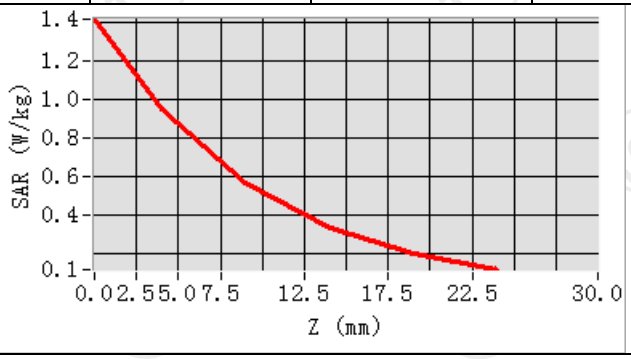
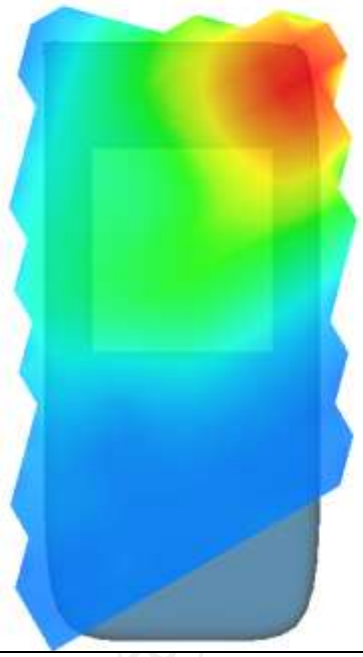
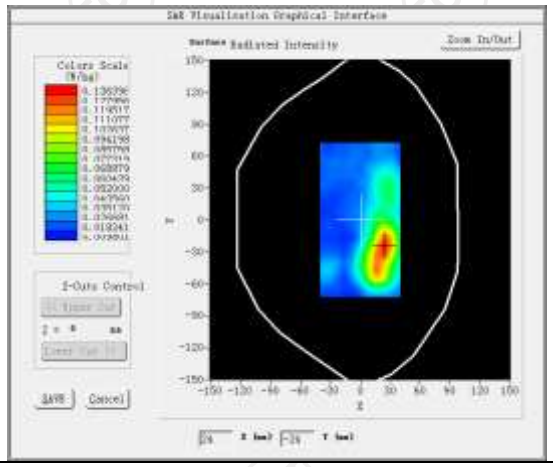
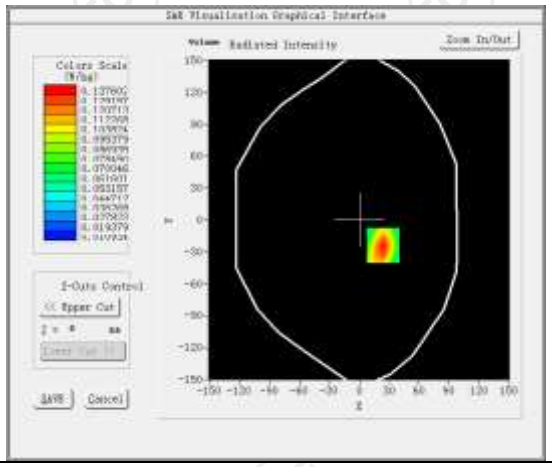
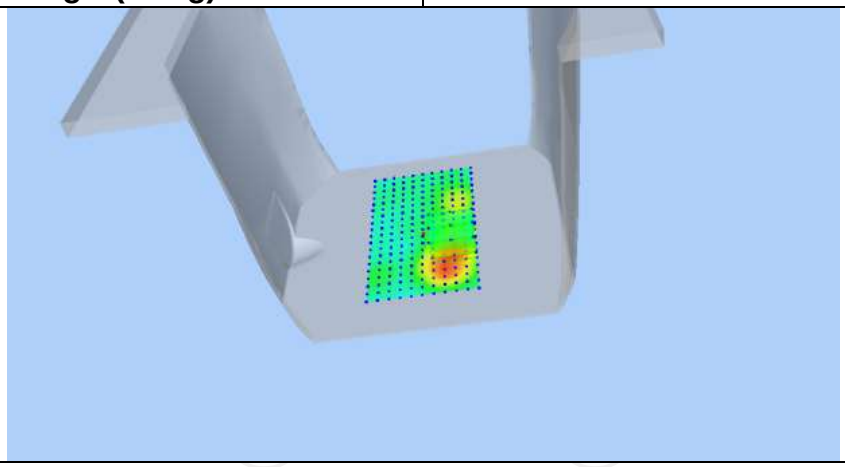
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.4148	0.9508	0.5661	0.3355	0.2012

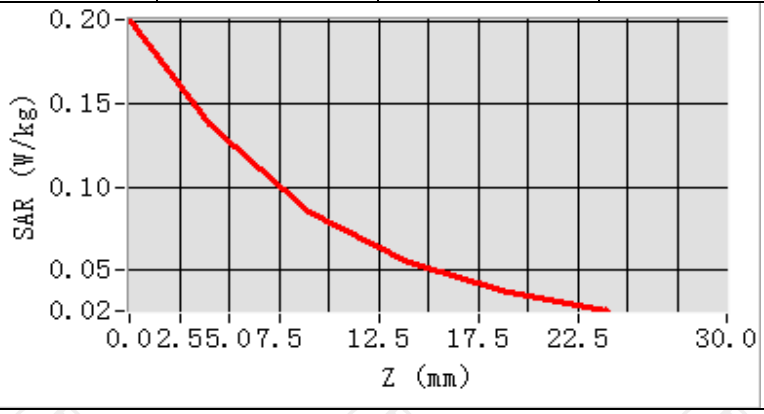


Hot spot position

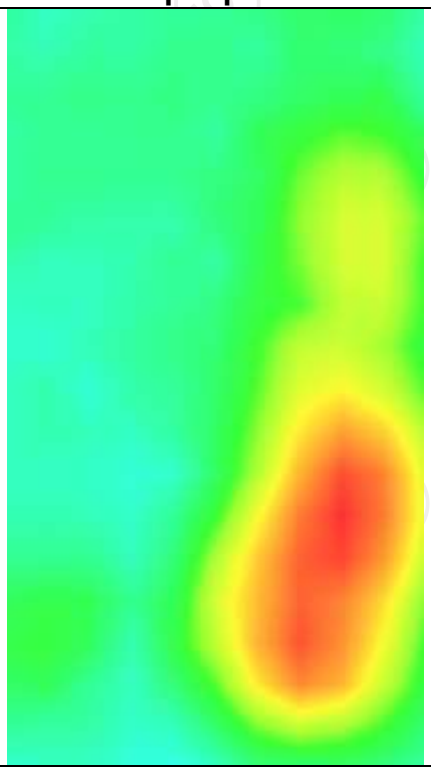


MEASUREMENT 2	
Middle Band SAR (Channel 4183):	Date: 12/10/2024
Frequency (MHz)	836.600000
Relative permittivity (real part)	41.120605
Relative permittivity (imaginary part)	19.256901
Conductivity (S/m)	0.913999
Variation (%)	2.960000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	BAND5_WCDMA850
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=24.00, Y=-24.00 SAR Peak: 0.20 W/kg	
SAR 10g (W/Kg)	0.072361
SAR 1g (W/Kg)	0.120742
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2014	0.1376	0.0851	0.0540	0.0363



Hot spot position



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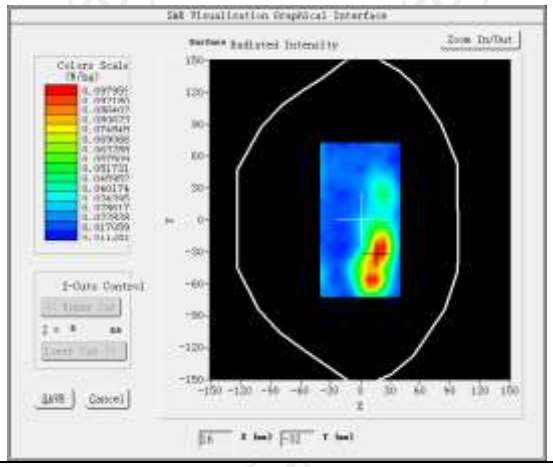
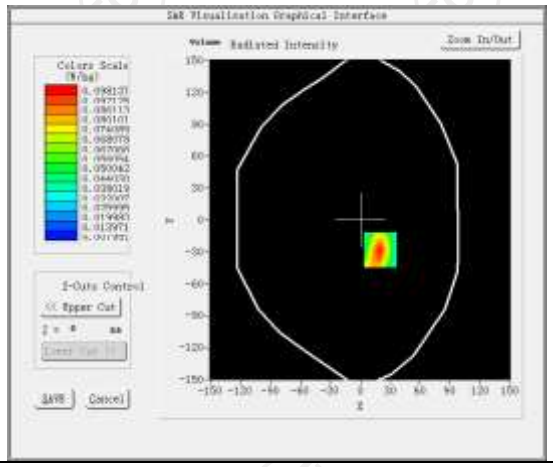
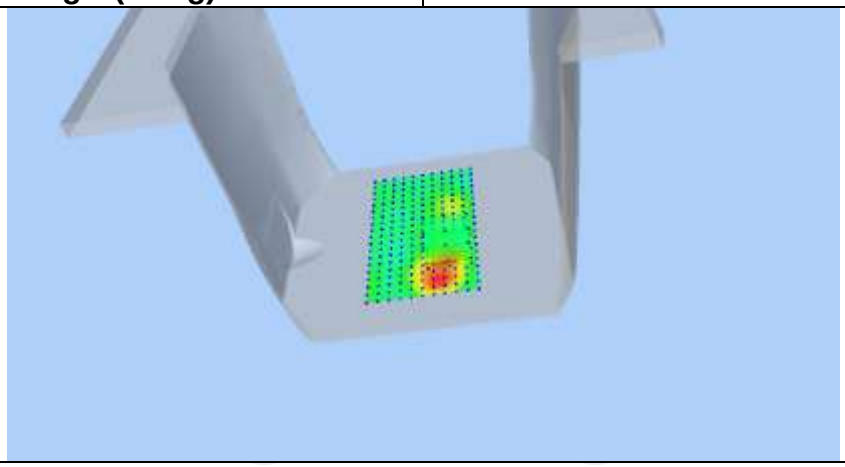
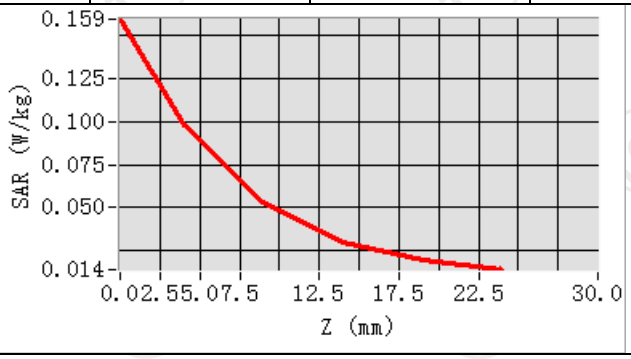
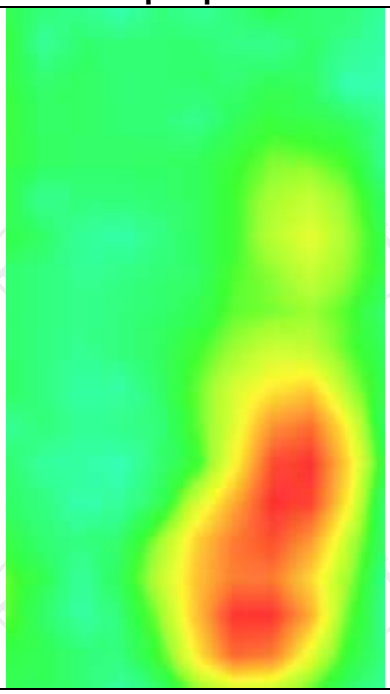
MEASUREMENT 3	
Middle Band SAR (Channel 4183):	Date: 12/10/2024
Frequency (MHz)	836.600000
Relative permittivity (real part)	41.120605
Relative permittivity (imaginary part)	19.256901
Conductivity (S/m)	0.913999
Variation (%)	-3.550000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	BAND5 WCDMA850(hotspot)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=20.00, Y=-28.00 SAR Peak: 0.16 W/kg	
SAR 10g (W/Kg)	0.053962
SAR 1g (W/Kg)	0.098458



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1593	0.0981	0.0528	0.0300	0.0196



Hot spot position



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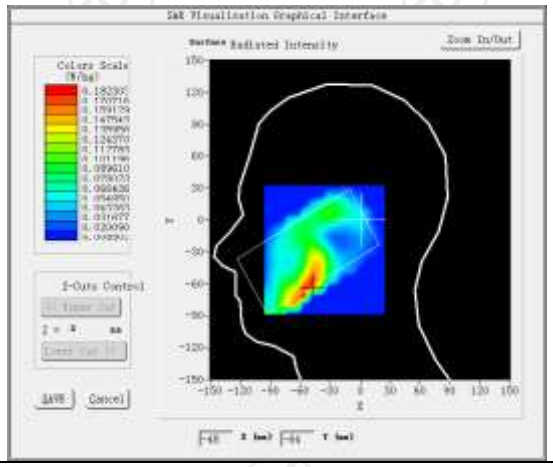
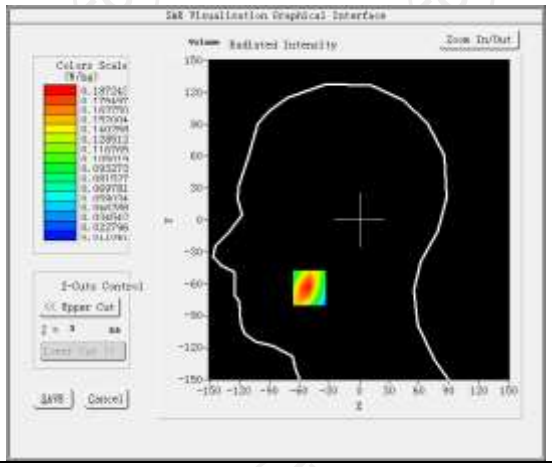
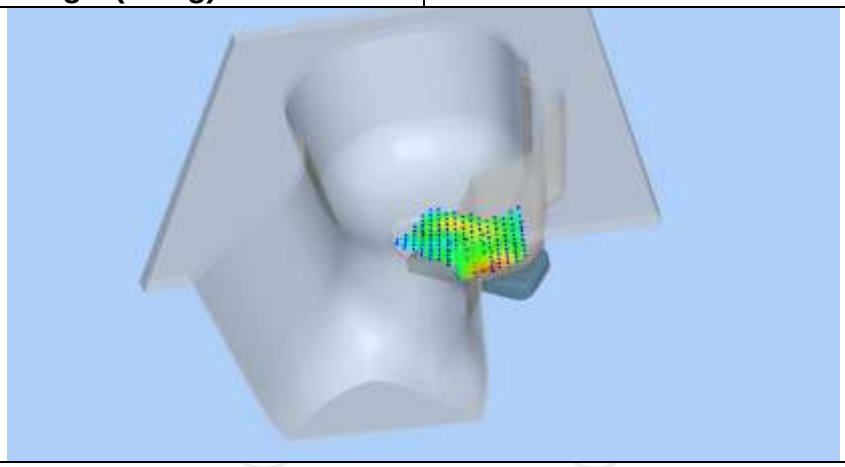
LTE Band 2

MEASUREMENT 1	
Low Band SAR (Channel 18700):	Date: 12/13/2024
Frequency (MHz)	1860.000000
Relative permittivity (real part)	40.098294
Relative permittivity (imaginary part)	13.689567
Conductivity (S/m)	1.402266
Variation (%)	4.590000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 2 (1 RB#0)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-50.00, Y=-64.00 SAR Peak: 0.28 W/kg	
SAR 10g (W/Kg)	0.089649
SAR 1g (W/Kg)	0.152477
	

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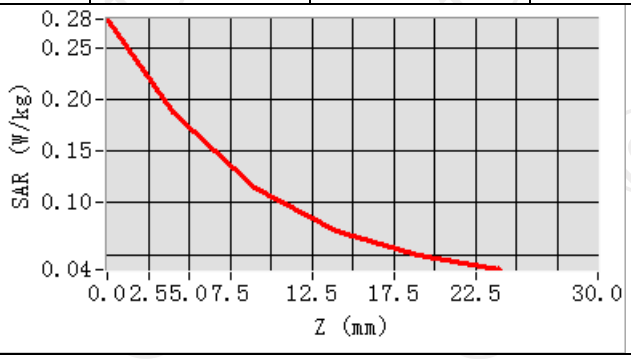
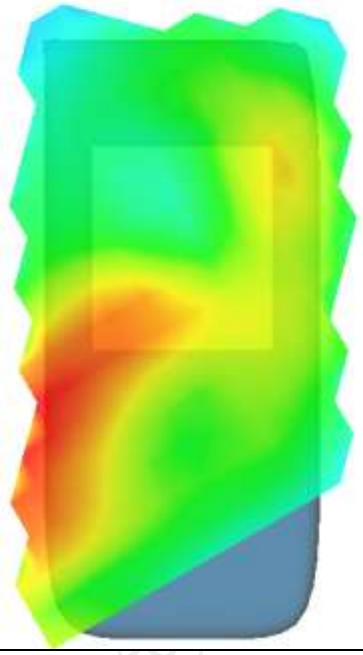
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2781	0.1872	0.1141	0.0724	0.0497



Hot spot position



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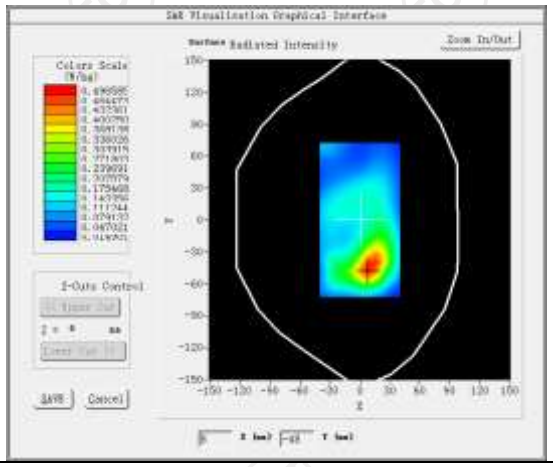
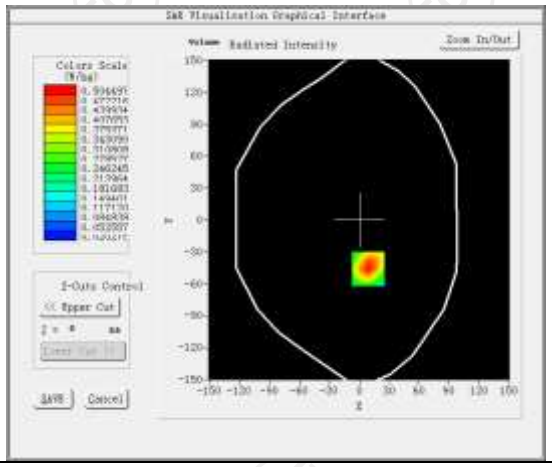
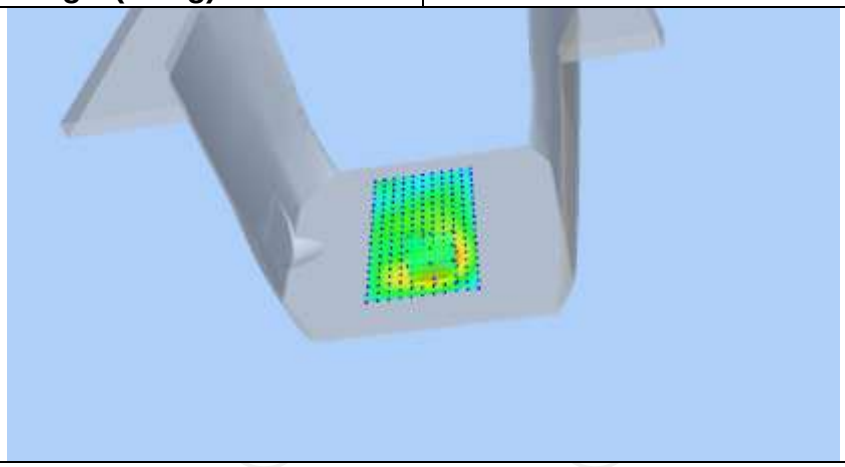
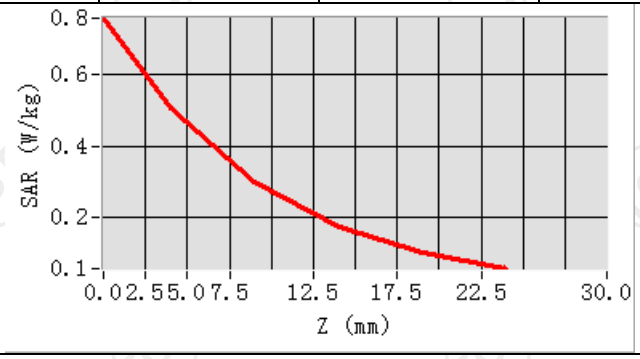
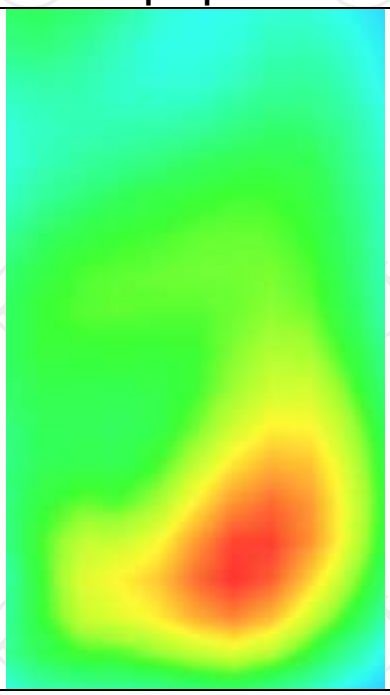
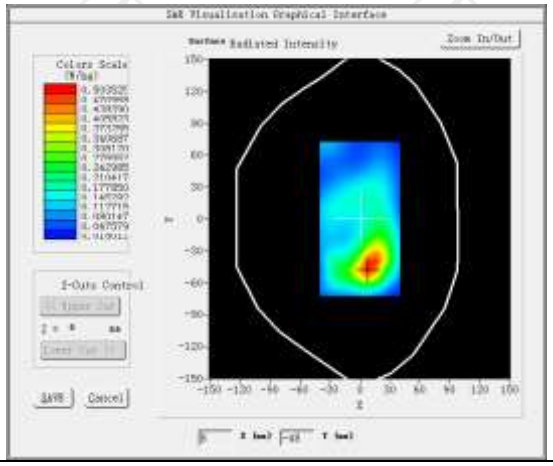
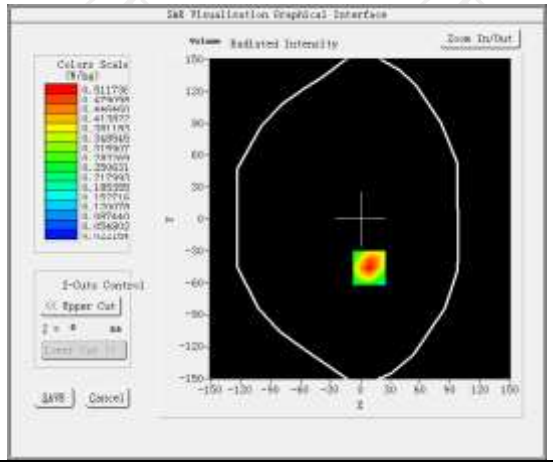
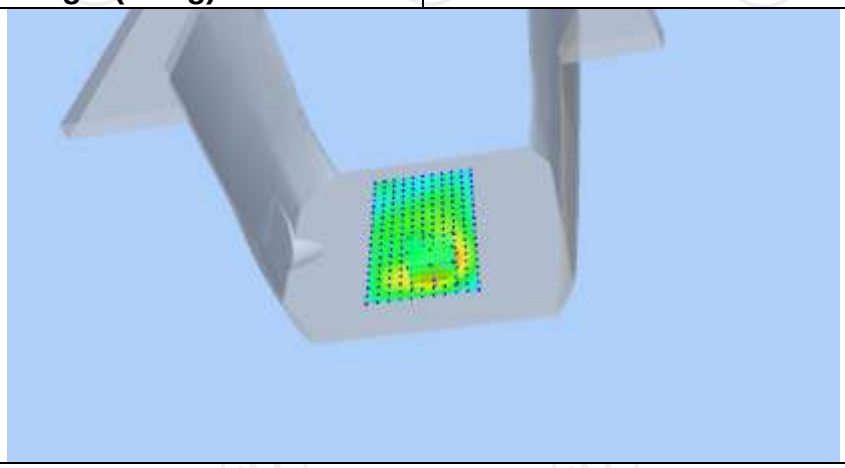
MEASUREMENT 2	
Low Band SAR (Channel 18700):	Date: 12/13/2024
Frequency (MHz)	1860.000000
Relative permittivity (real part)	40.098294
Relative permittivity (imaginary part)	13.689567
Conductivity (S/m)	1.402266
Variation (%)	-4.560000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	LTE band 2 (1 RB#0)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=9.00, Y=-46.00 SAR Peak: 0.76 W/kg	
SAR 10g (W/Kg)	0.281036
SAR 1g (W/Kg)	0.566712
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.7540	0.5045	0.2984	0.1757	0.1048

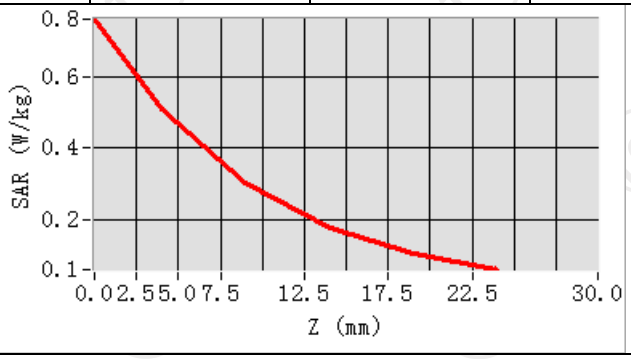


Hot spot position

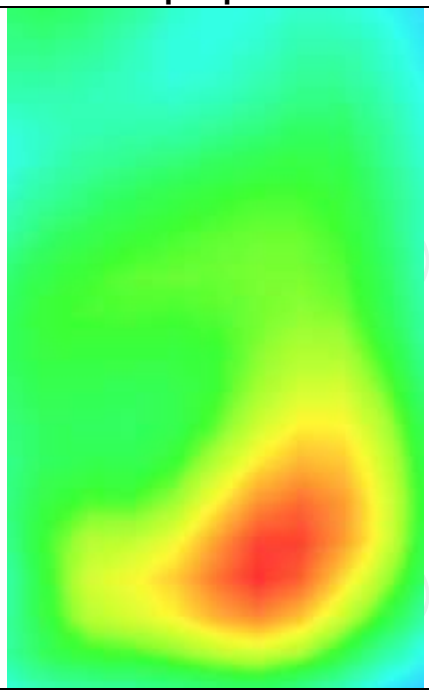


MEASUREMENT 3	
Low Band SAR (Channel 18700):	Date: 12/13/2024
Frequency (MHz)	1860.000000
Relative permittivity (real part)	40.098294
Relative permittivity (imaginary part)	13.689567
Conductivity (S/m)	1.402266
Variation (%)	-4.030000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(hotspot 10mm)
Band	LTE band 2 (1 RB#0)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=9.00, Y=-46.00 SAR Peak: 0.77 W/kg	
SAR 10g (W/Kg)	0.301782
SAR 1g (W/Kg)	0.518625
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.7642	0.5117	0.3026	0.1774	0.1046



Hot spot position



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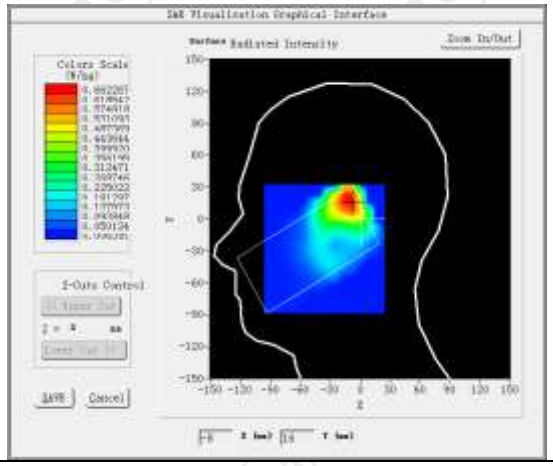
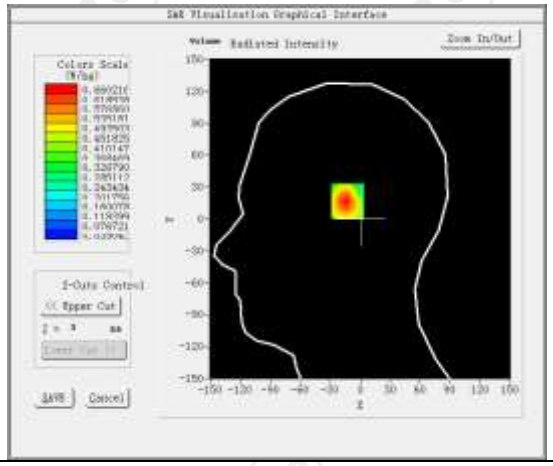
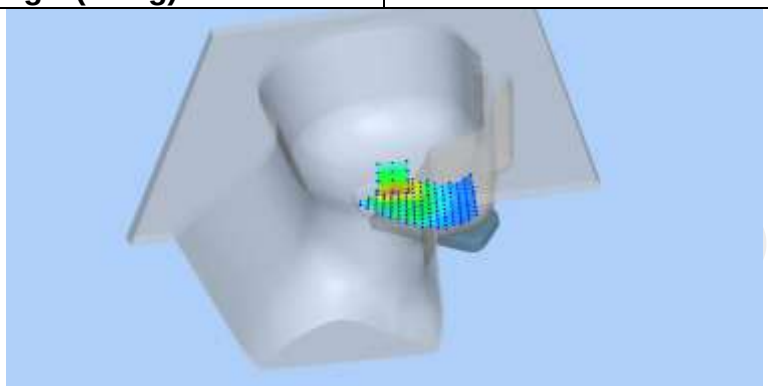
LTE Band 4

MEASUREMENT 1	
Low Band SAR (Channel 20050):	Date: 12/13/2024
Frequency (MHz)	1720.000000
Relative permittivity (real part)	40.424125
Relative permittivity (imaginary part)	14.562530
Conductivity (S/m)	1.352935
Variation (%)	2.130000
Crest Factor	1.0
Probe Conversion factor	2.08
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 4(1 RB#0)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-11.00, Y=18.00 SAR Peak: 0.96 W/kg	
SAR 10g (W/Kg)	0.410765
SAR 1g (W/Kg)	0.707623
	

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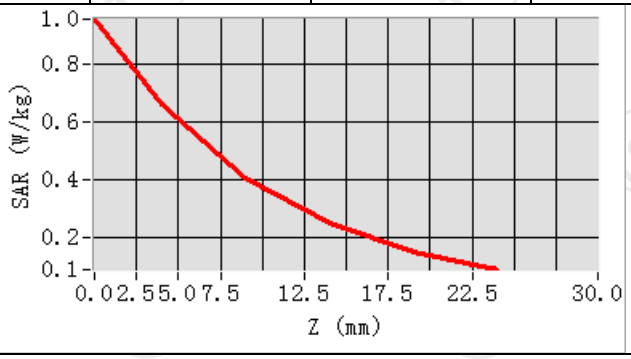
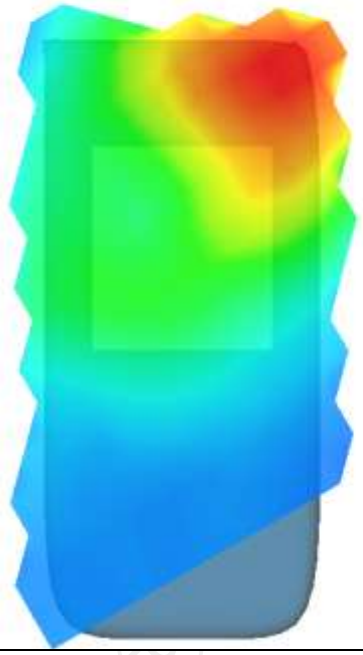
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9567	0.6602	0.4075	0.2501	0.1542



Hot spot position



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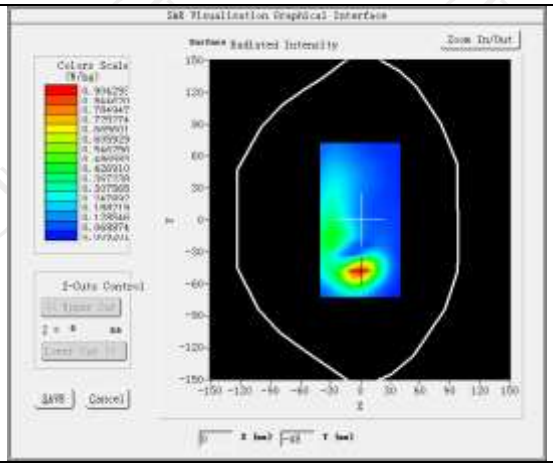
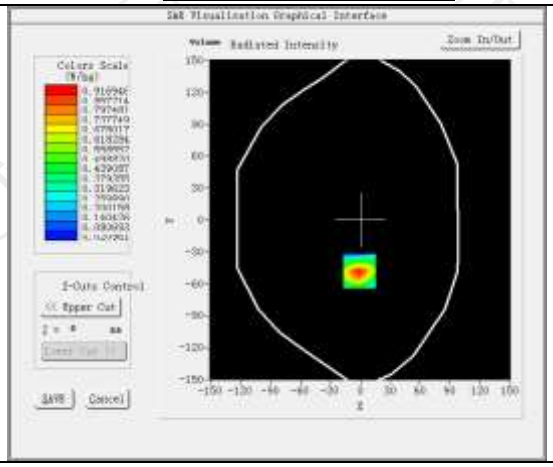
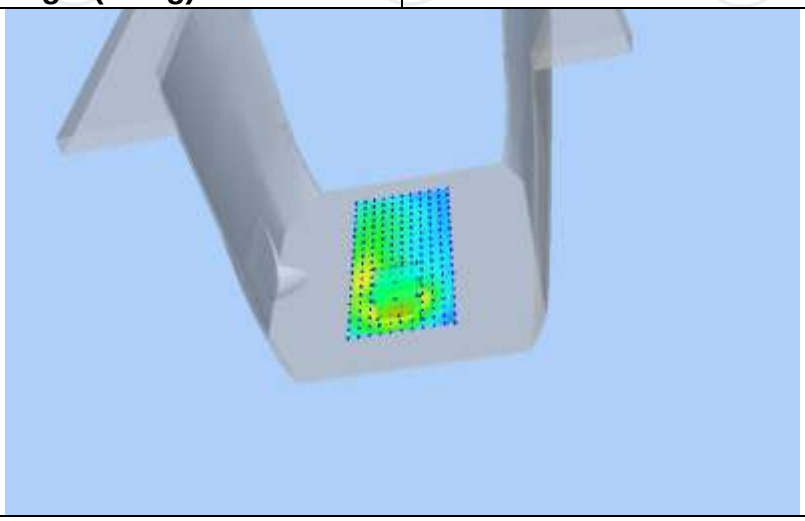
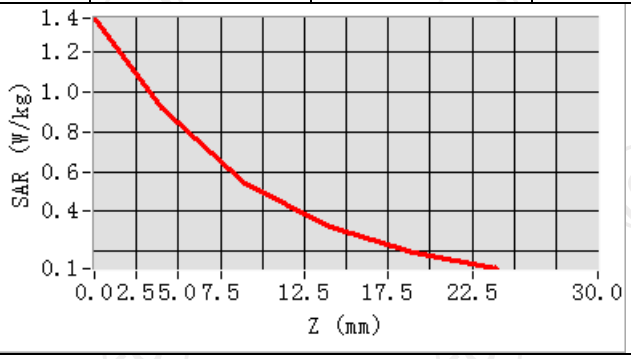
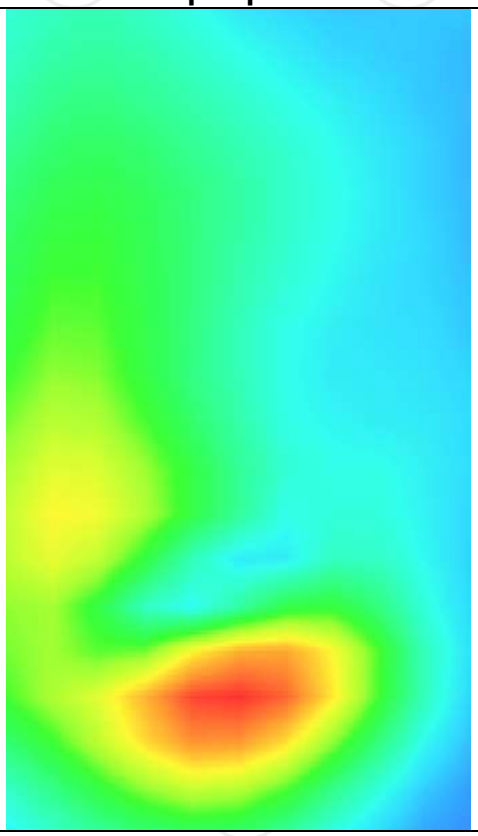
MEASUREMENT 2	
Low Band SAR (Channel 20050):	Date: 12/13/2024
Frequency (MHz)	1720.000000
Relative permittivity (real part)	40.424125
Relative permittivity (imaginary part)	14.562530
Conductivity (S/m)	1.352935
Variation (%)	-2.490000
Crest Factor	1.0
Probe Conversion factor	2.08
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	LTE band 4(1 RB#0)
	
Maximum location: X=-1.00, Y=-48.00 SAR Peak: 1.39 W/kg	
SAR 10g (W/Kg)	0.495632
SAR 1g (W/Kg)	0.816495
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.3739	0.9169	0.5414	0.3194	0.1920



Hot spot position



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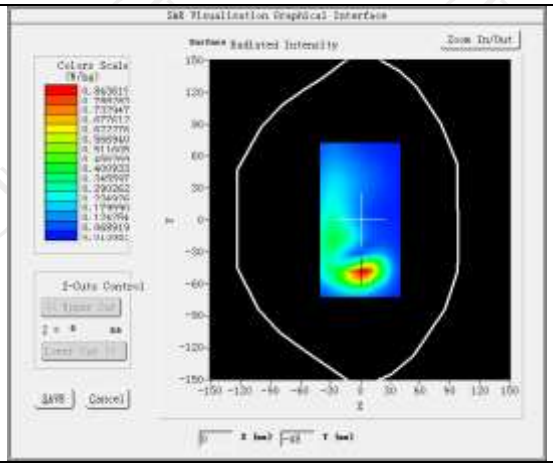
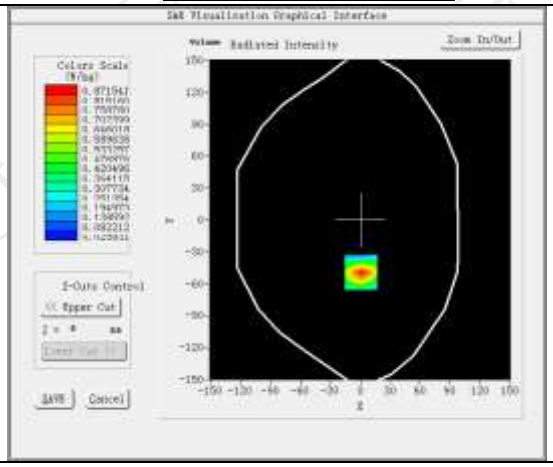
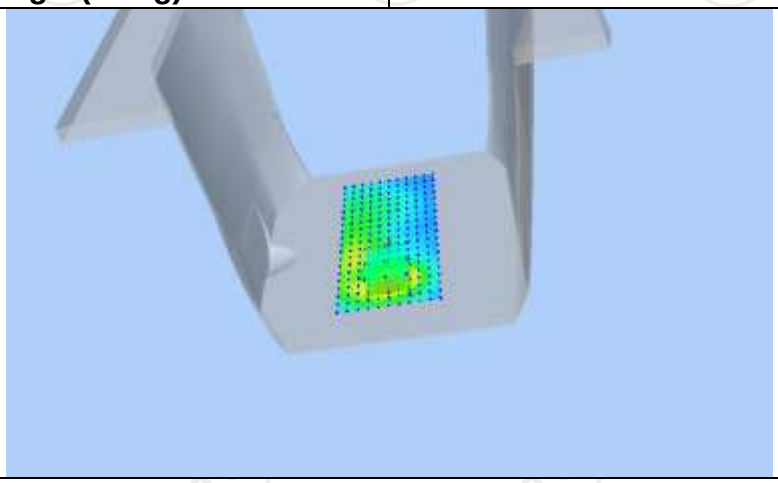
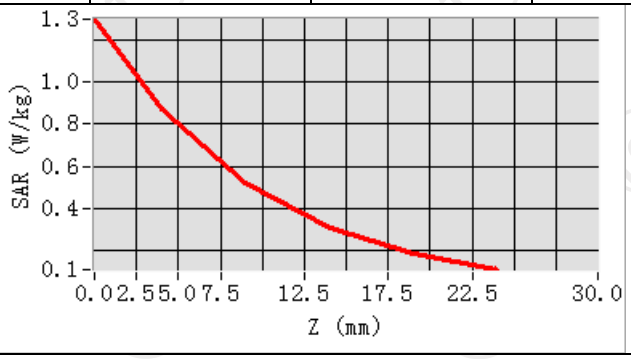
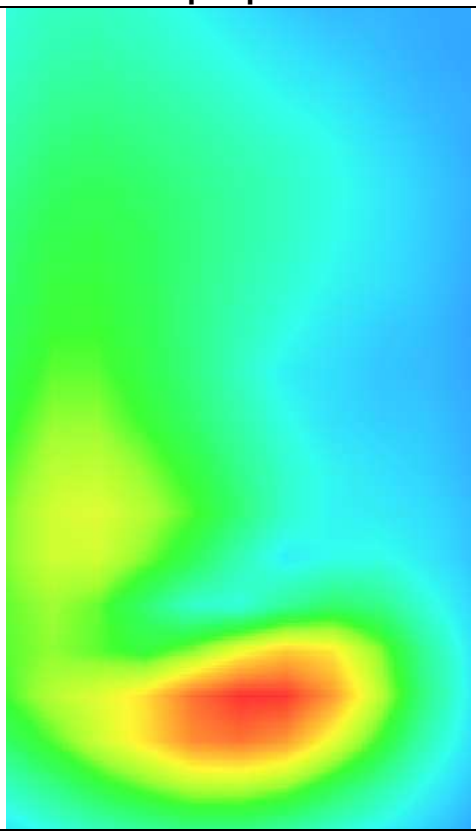
MEASUREMENT 3	
Low Band SAR (Channel 20050):	Date: 12/13/2024
Frequency (MHz)	1720.000000
Relative permittivity (real part)	40.424125
Relative permittivity (imaginary part)	14.562530
Conductivity (S/m)	1.352935
Variation (%)	-2.670000
Crest Factor	1.0
Probe Conversion factor	2.08
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(hotspot 10mm)
Band	LTE band 4(1 RB#0)
	
Maximum location: X=1.00, Y=-49.00 SAR Peak: 1.31 W/kg	
SAR 10g (W/Kg)	0.401069
SAR 1g (W/Kg)	0.768598
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.2979	0.8715	0.5194	0.3097	0.1883



Hot spot position



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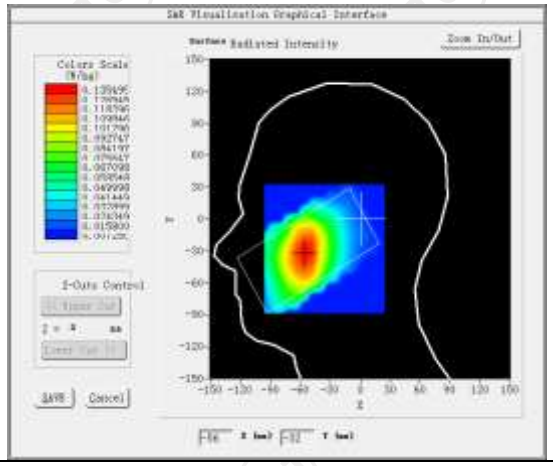
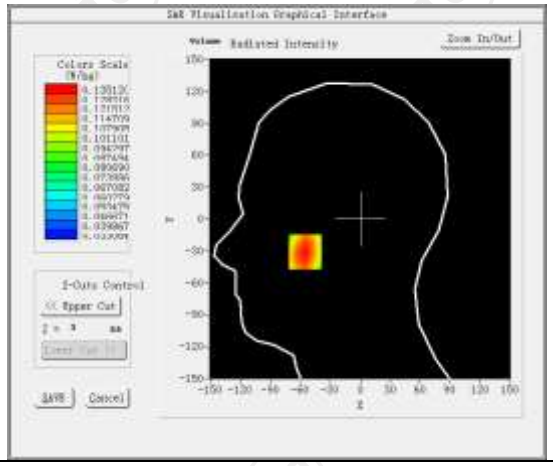
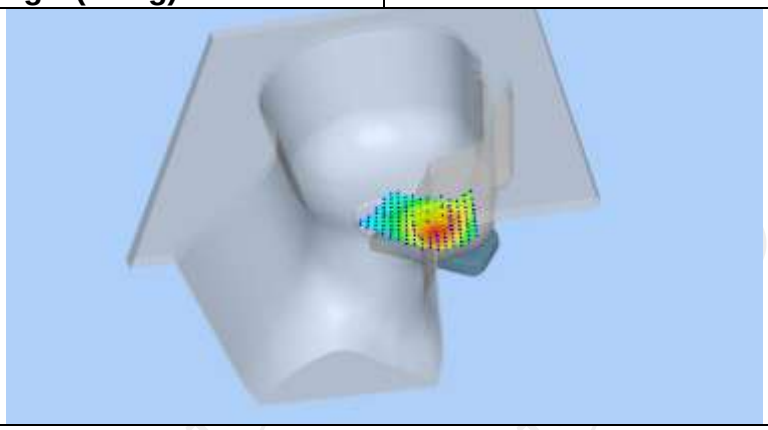
LTE Band 5

MEASUREMENT 1	
Low Band SAR (Channel 20450):	Date: 12/10/2024
Frequency (MHz)	829.000000
Relative permittivity (real part)	41.188873
Relative permittivity (imaginary part)	19.446852
Conductivity (S/m)	0.912438
Variation (%)	-0.330000
Crest Factor	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 5(1 RB#0)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-55.00, Y=-31.00 SAR Peak: 0.14 W/kg	
SAR 10g (W/Kg)	0.098692
SAR 1g (W/Kg)	0.132165
	

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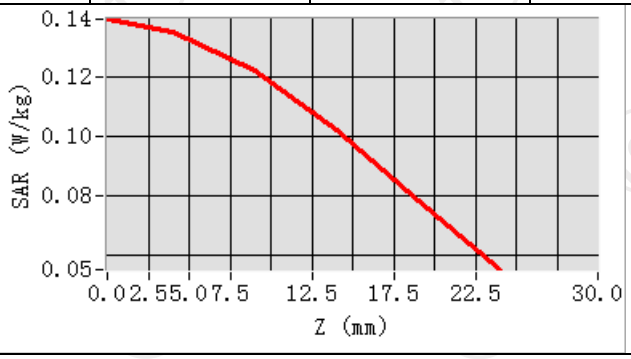
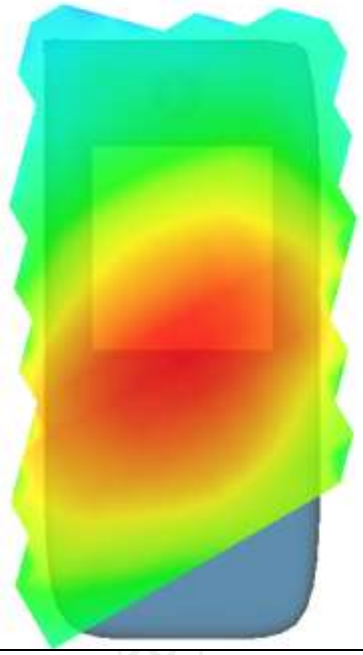
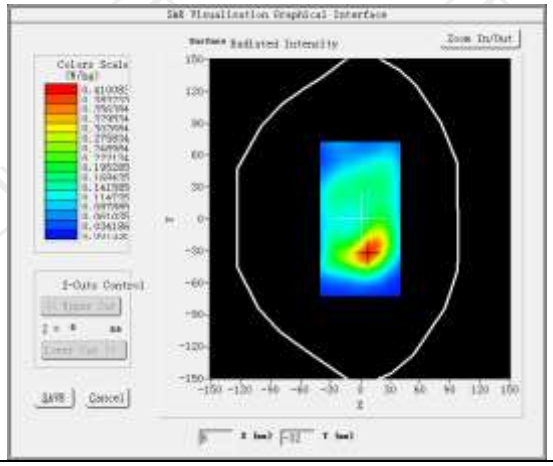
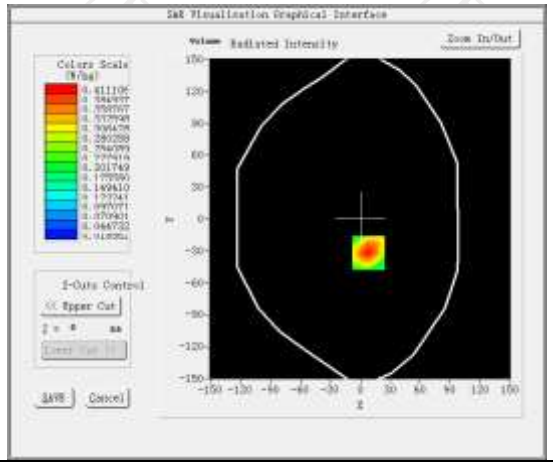
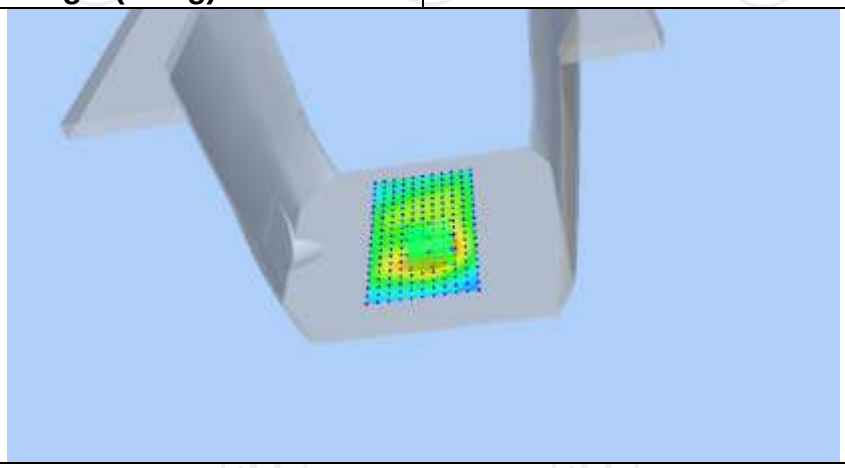
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1394	0.1351	0.1222	0.1022	0.0782

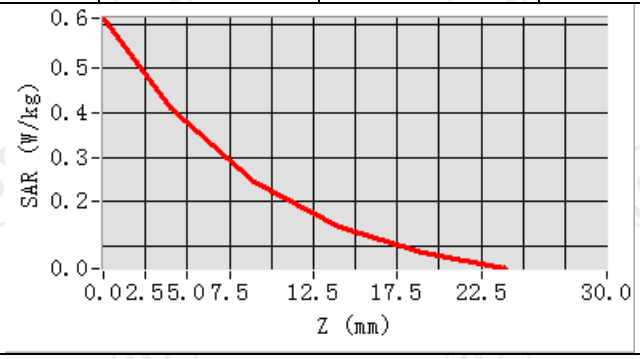


Hot spot position

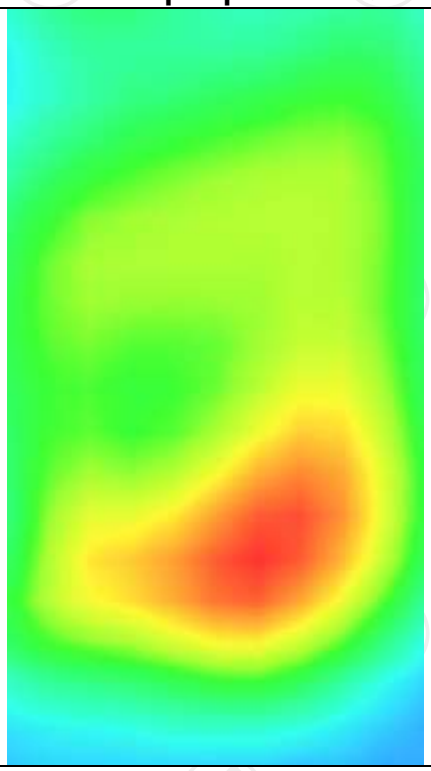


MEASUREMENT 2	
Low Band SAR (Channel 20450):	Date: 12/10/2024
Frequency (MHz)	829.000000
Relative permittivity (real part)	41.188873
Relative permittivity (imaginary part)	19.446852
Conductivity (S/m)	0.912438
Variation (%)	3.670000
Crest Factor	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	LTE band 5(1 RB#0)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=8.00, Y=-32.00 SAR Peak: 0.61 W/kg	
SAR 10g (W/Kg)	0.221659
SAR 1g (W/Kg)	0.387318
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6138	0.4111	0.2437	0.1439	0.0861



Hot spot position



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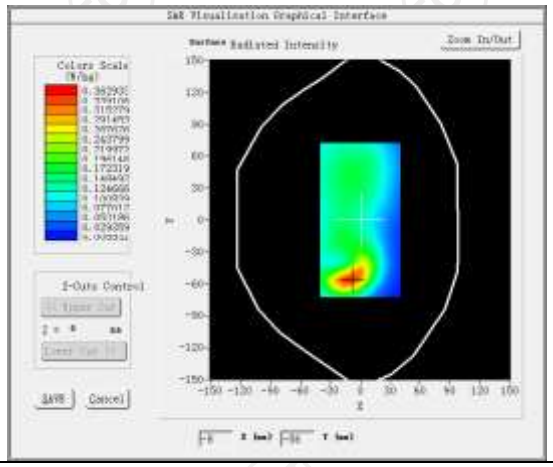
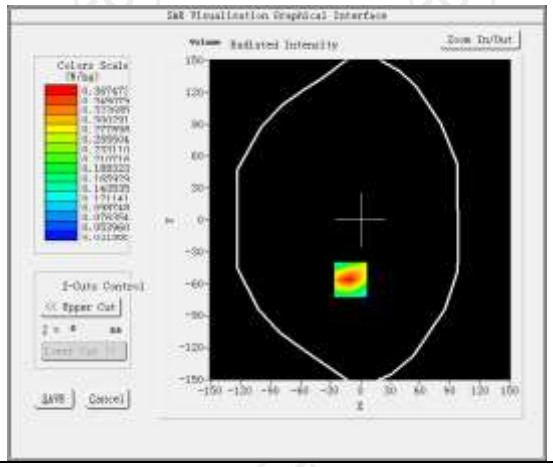
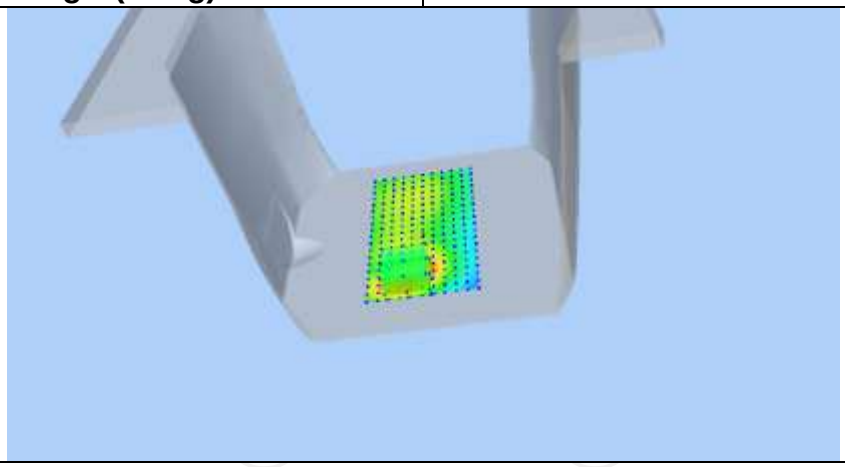
MEASUREMENT 3	
Low Band SAR (Channel 20450):	Date: 12/10/2024
Frequency (MHz)	829.000000
Relative permittivity (real part)	41.188873
Relative permittivity (imaginary part)	19.446852
Conductivity (S/m)	0.912438
Variation (%)	-2.190000
Crest Factor	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back((hotspot 10mm)
Band	LTE band 5(1 RB#0)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-10.00, Y=-56.00 SAR Peak: 0.56 W/kg	
SAR 10g (W/Kg)	0.191285
SAR 1g (W/Kg)	0.348359
	

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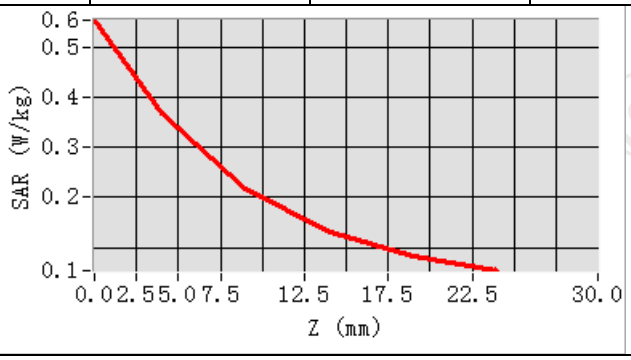
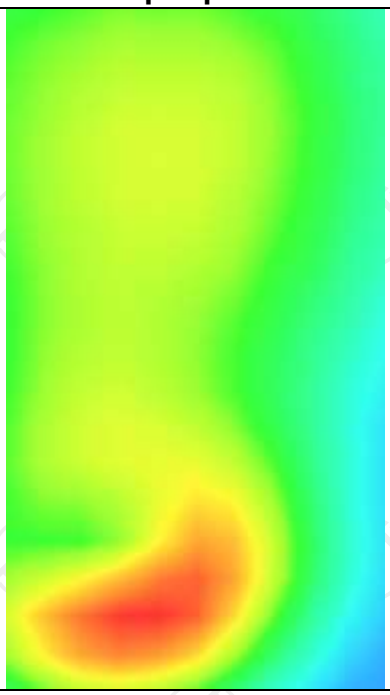
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5549	0.3675	0.2168	0.1308	0.0834



Hot spot position



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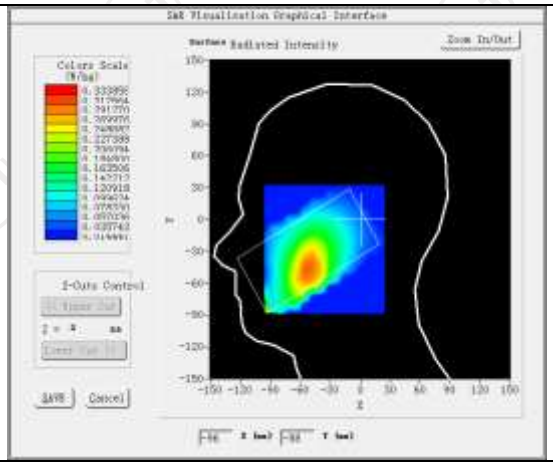
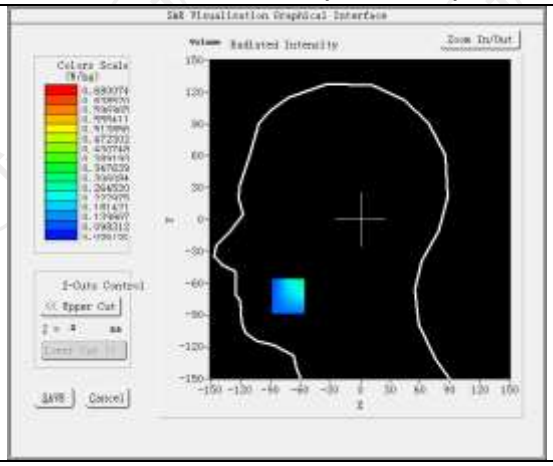
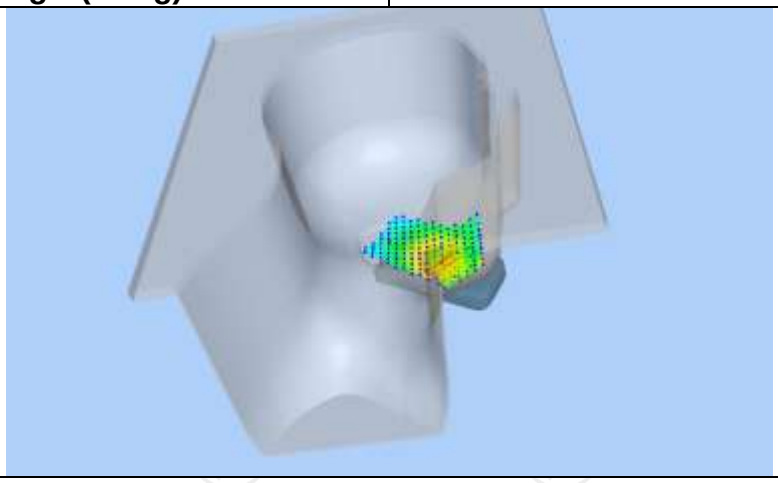
LTE Band 7

MEASUREMENT 1	
High Band SAR (Channel 21350):	Date: 12/25/2024
Frequency (MHz)	2560.000000
Relative permittivity (real part)	38.846000
Relative permittivity (imaginary part)	12.788092
Conductivity (S/m)	1.872245
Variation (%)	-1.260000
Crest Factor	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=12mm dy=12mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 7(1 RB#49)
	
Maximum location: X=-72.00, Y=-72.00 SAR Peak: 0.35 W/kg	
SAR 10g (W/Kg)	0.205718
SAR 1g (W/Kg)	0.290462
	

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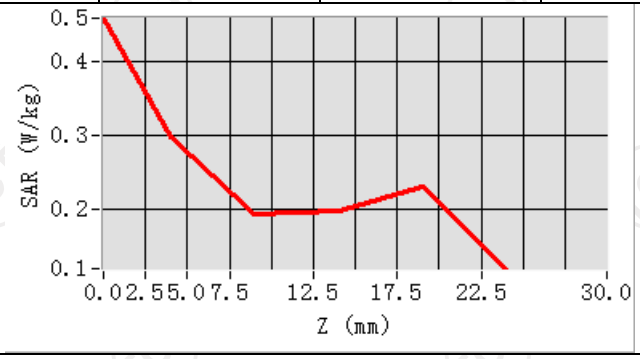
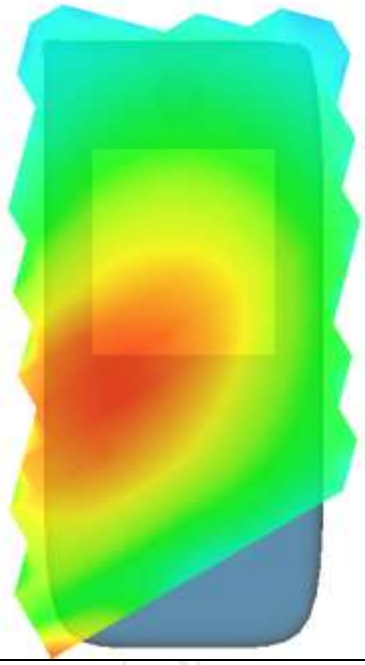
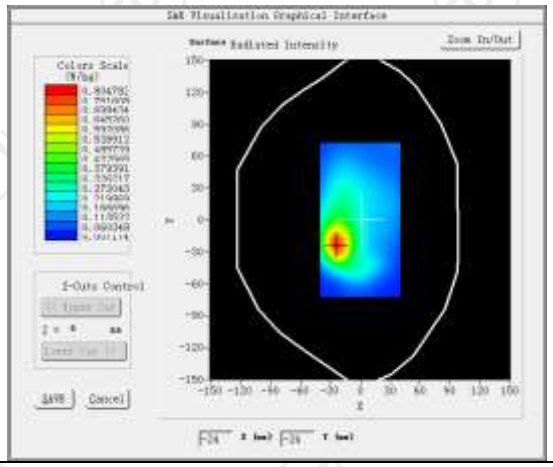
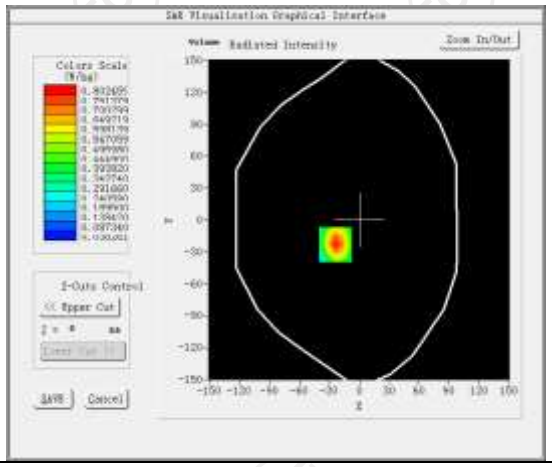
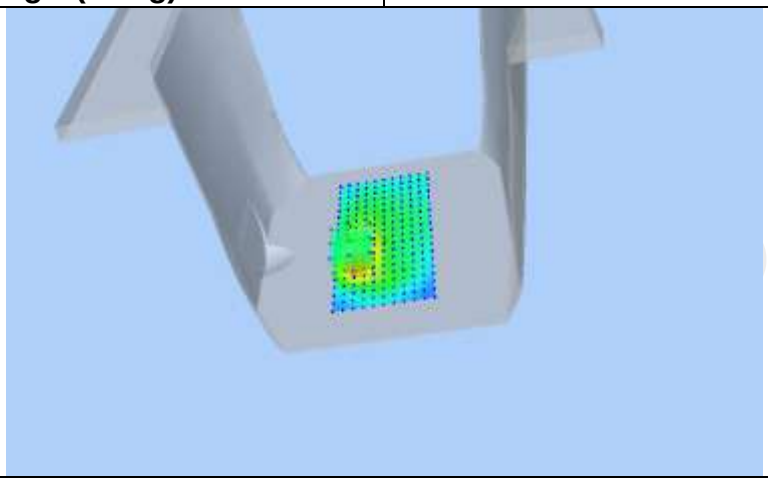
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4591	0.2994	0.1951	0.1997	0.2316

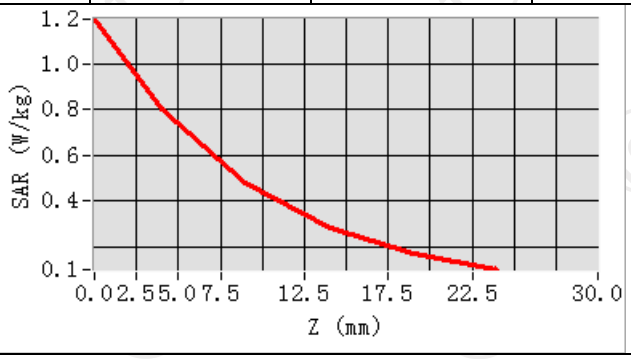


Hot spot position

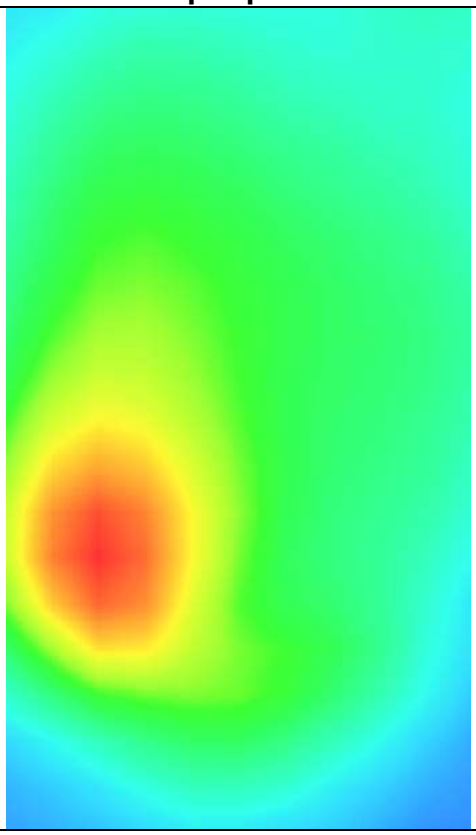


MEASUREMENT 2	
High Band SAR (Channel 21350):	Date: 12/25/2024
Frequency (MHz)	2560.000000
Relative permittivity (real part)	38.846000
Relative permittivity (imaginary part)	12.788092
Conductivity (S/m)	1.872245
Variation (%)	4.130000
Crest Factor	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=12mm dy=12mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	LTE band 7(1 RB#49)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-24.00, Y=-23.00 SAR Peak: 1.20 W/kg	
SAR 10g (W/Kg)	0.596756
SAR 1g (W/Kg)	0.933562
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.1935	0.8025	0.4790	0.2860	0.1741



Hot spot position



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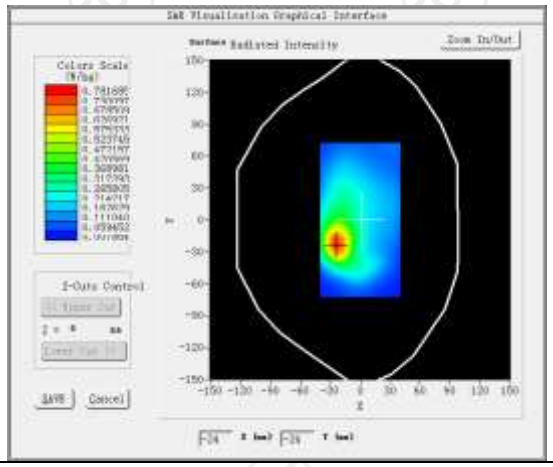
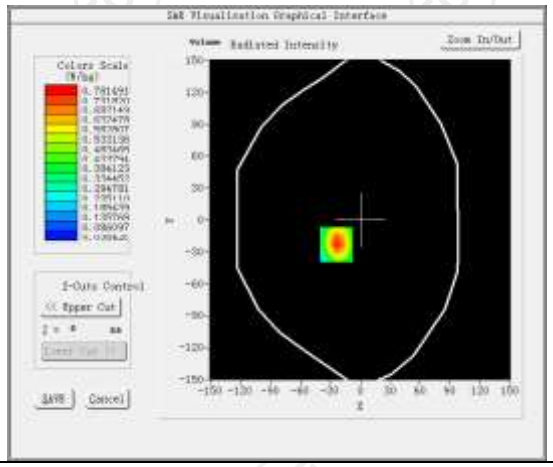
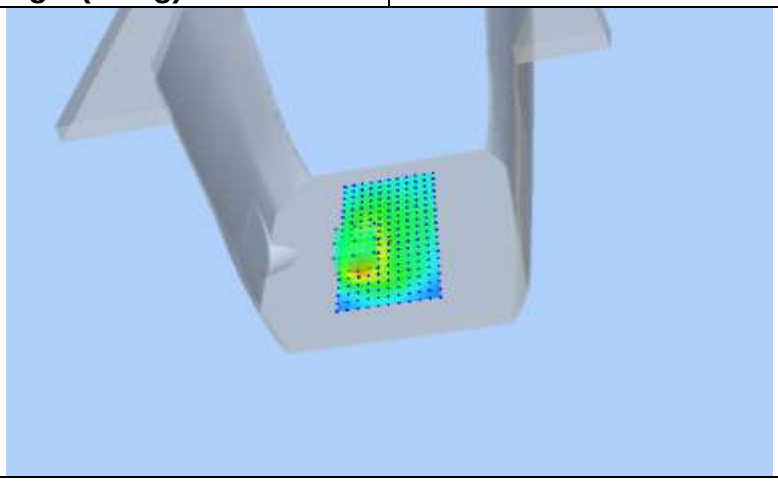
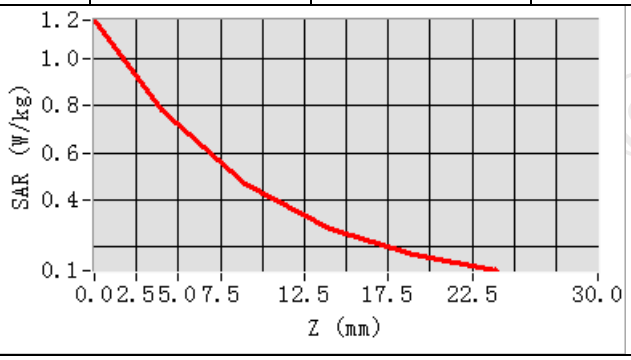
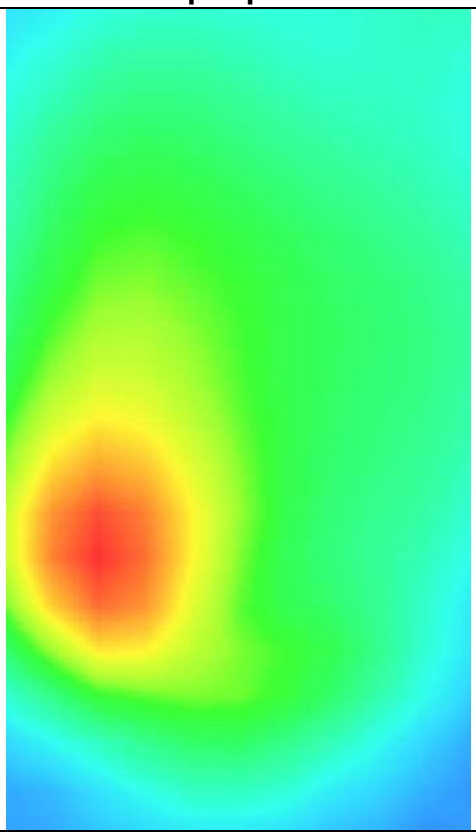
MEASUREMENT 3	
High Band SAR (Channel 21350):	Date: 12/25/2024
Frequency (MHz)	2560.000000
Relative permittivity (real part)	38.846000
Relative permittivity (imaginary part)	12.788092
Conductivity (S/m)	1.872245
Variation (%)	-2.190000
Crest Factor	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=12mm dy=12mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back((hotspot 10mm)
Band	LTE band 7(1 RB#49)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-24.00, Y=-23.00 SAR Peak: 1.17W/kg	
SAR 10g (W/Kg)	0.458695
SAR 1g (W/Kg)	0.865923
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.1626	0.7815	0.4664	0.2784	0.1694



Hot spot position



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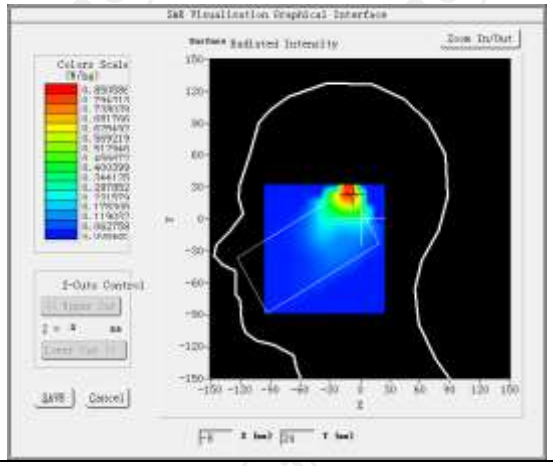
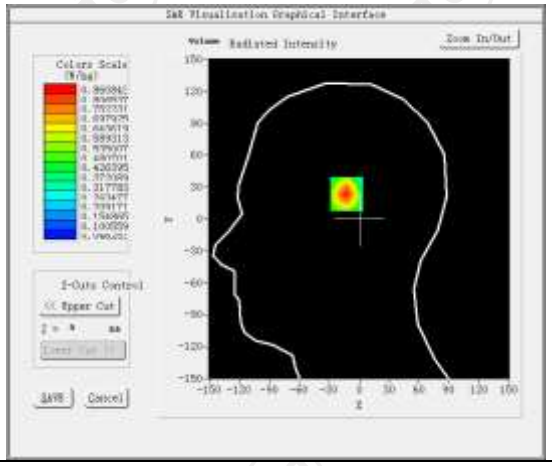
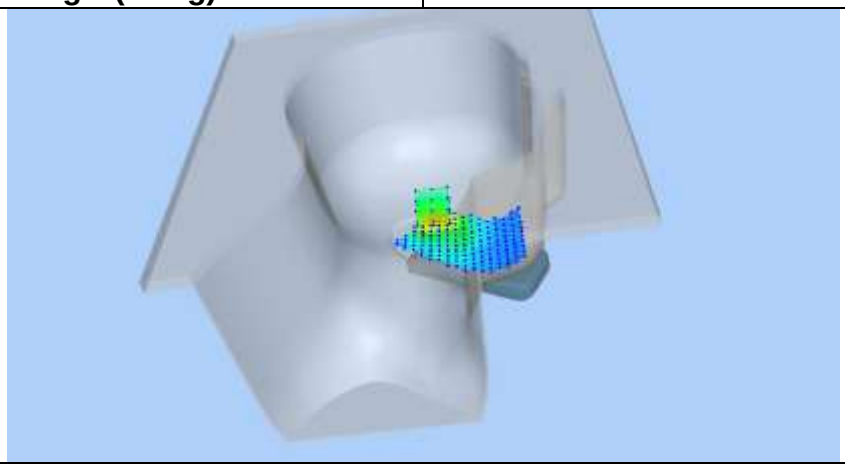
LTE Band 12

MEASUREMENT 1	
Middle Band SAR (Channel 23095):	Date: 12/05/2024
Frequency (MHz)	707.500000
Relative permittivity (real part)	42.545761
Relative permittivity (imaginary) part)	23.121188
Conductivity (S/m)	0.896935
Variation (%)	2.530000
Crest Factor	1.0
Probe Conversion factor	1.71
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 12(1 RB#25)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-11.00, Y=25.00 SAR Peak: 1.27 W/kg	
SAR 10g (W/Kg)	0.396268
SAR 1g (W/Kg)	0.709459
	

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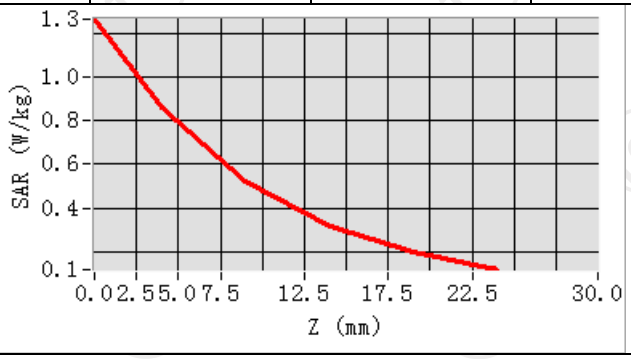
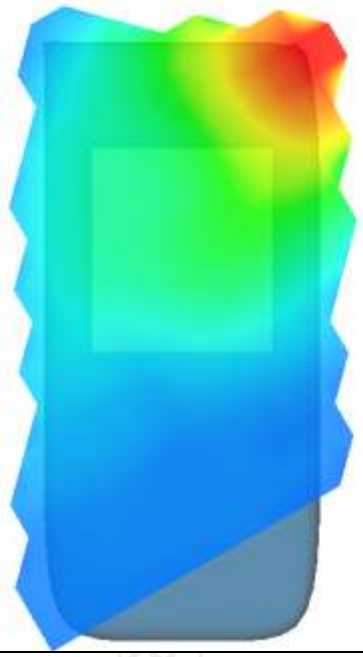
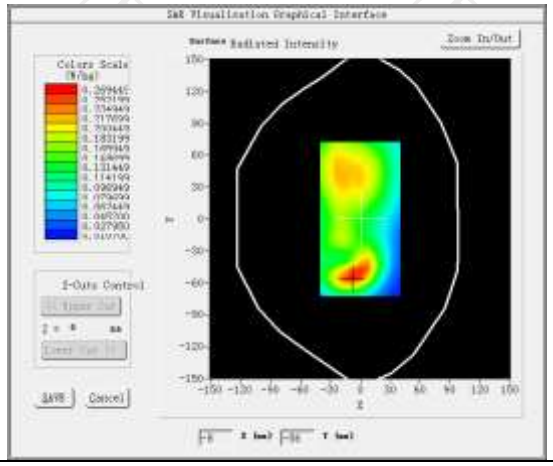
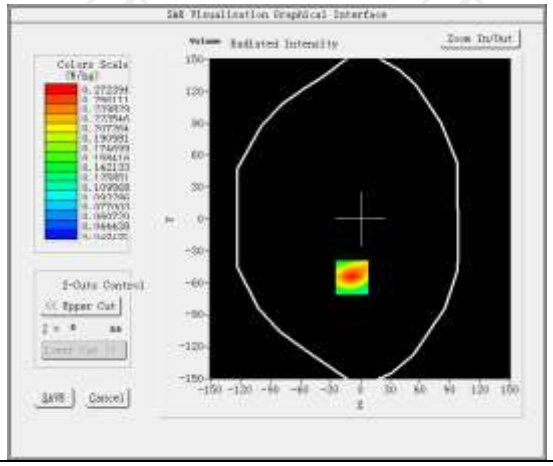
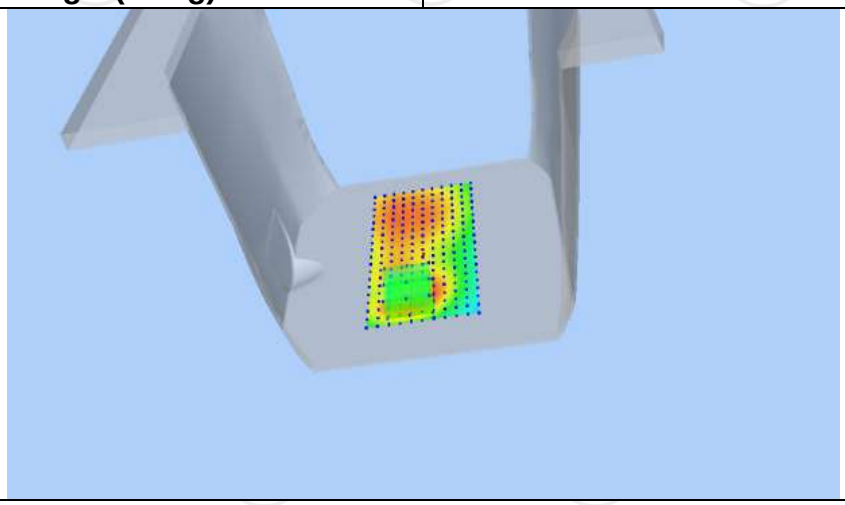
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.2654	0.8608	0.5225	0.3174	0.1963



Hot spot position



MEASUREMENT 2	
Middle Band SAR (Channel 23095):	Date: 12/05/2024
Frequency (MHz)	707.500000
Relative permittivity (real part)	42.545761
Relative permittivity (imaginary part)	23.121188
Conductivity (S/m)	0.896935
Variation (%)	-4.980000
Crest Factor	1.0
Probe Conversion factor	1.71
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	LTE band 12(1 RB#0)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-8.00, Y=-55.00 SAR Peak: 0.41 W/kg	
SAR 10g (W/Kg)	0.142598
SAR 1g (W/Kg)	0.239452
	

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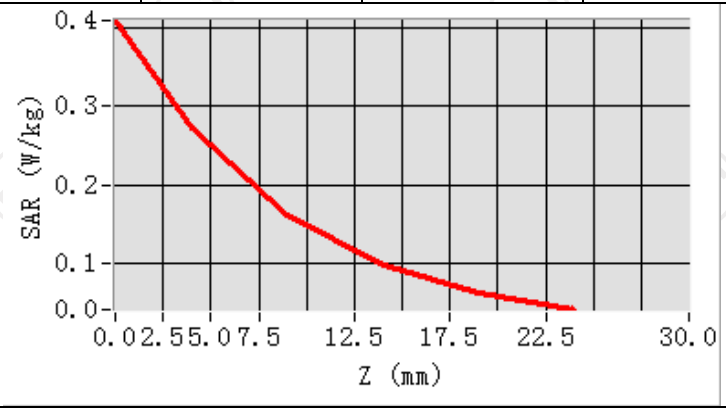
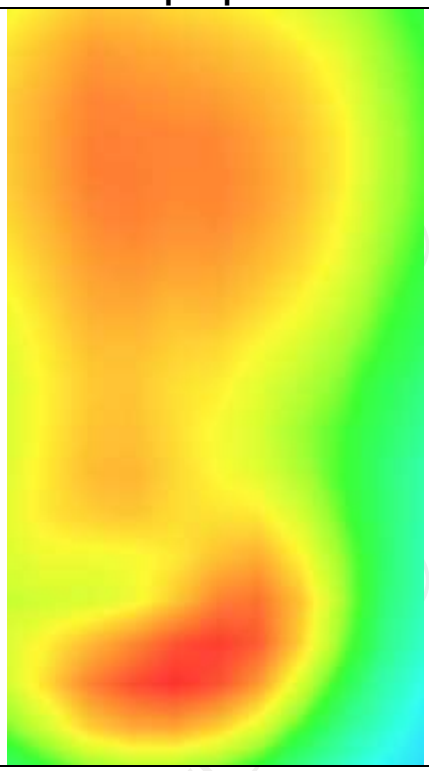
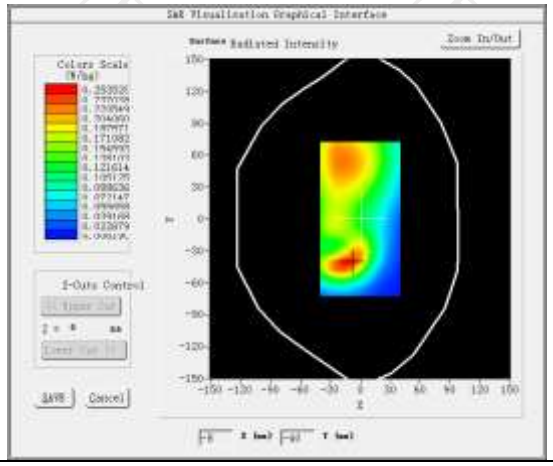
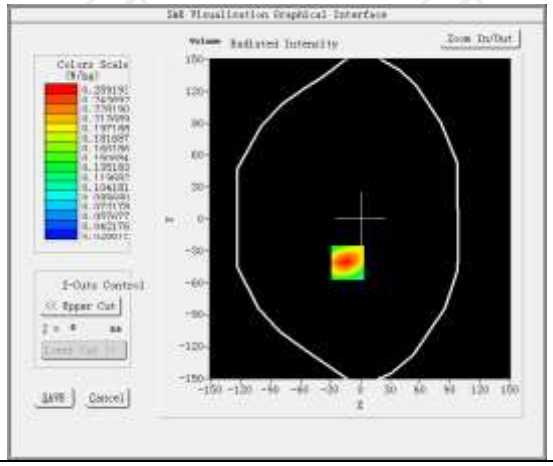
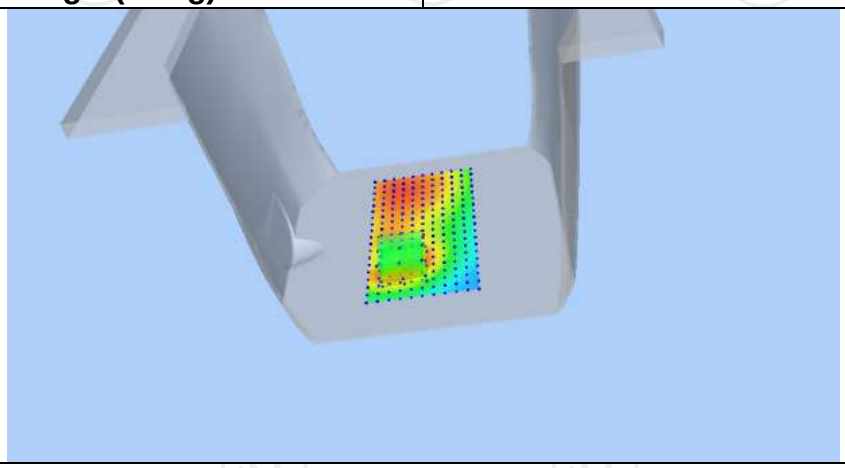
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4096	0.2724	0.1619	0.0987	0.0638

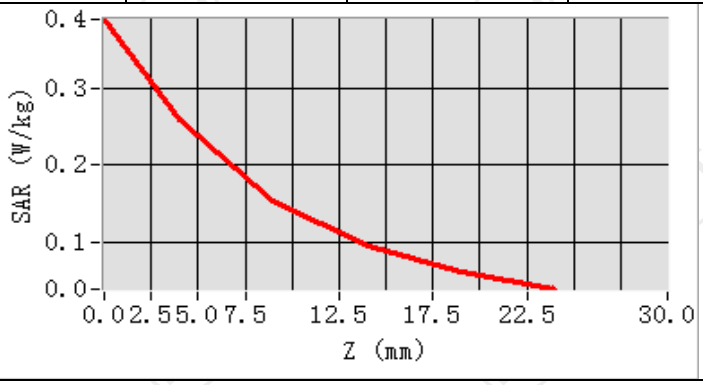


Hot spot position

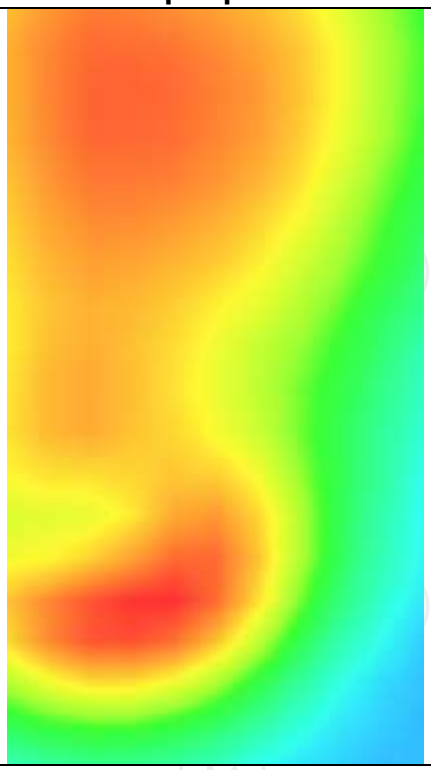


MEASUREMENT 3	
Middle Band SAR (Channel 23095):	Date: 12/05/2024
Frequency (MHz)	707.500000
Relative permittivity (real part)	42.545761
Relative permittivity (imaginary part)	23.121188
Conductivity (S/m)	0.896935
Variation (%)	-4.360000
Crest Factor	1.0
Probe Conversion factor	1.71
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(hotspot 10mm)
Band	LTE band 12(1 RB#0)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-13.00, Y=-41.00 SAR Peak: 0.39 W/kg	
SAR 10g (W/Kg)	0.137539
SAR 1g (W/Kg)	0.218368
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3892	0.2592	0.1540	0.0933	0.0595



Hot spot position



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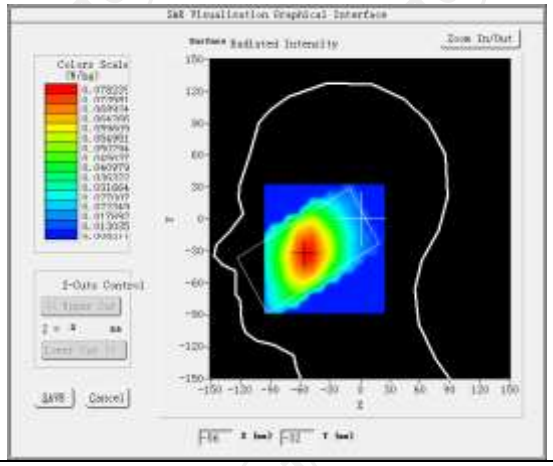
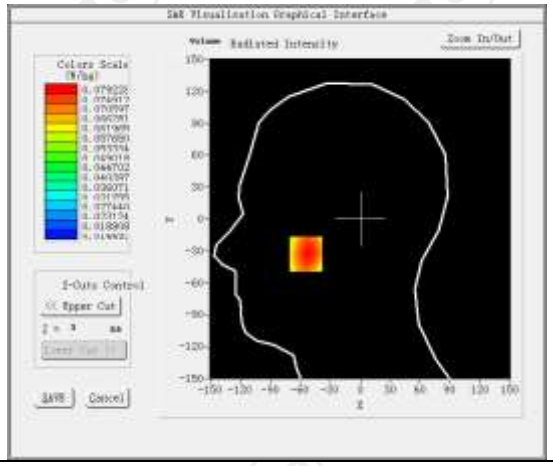
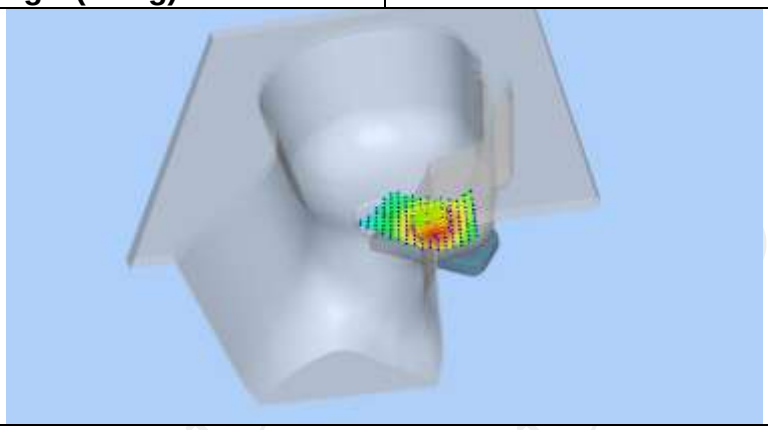
LTE Band 17

MEASUREMENT 1	
Low Band SAR (Channel 23780):	Date: 12/05/2024
Frequency (MHz)	709.000000
Relative permittivity (real part)	42.529009
Relative permittivity (imaginary part)	23.075825
Conductivity (S/m)	0.897126
Variation (%)	-2.860000
Crest Factor	1.0
Probe Conversion factor	1.71
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 17(1 RB#0)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-54.00, Y=-33.00 SAR Peak: 0.09 W/kg	
SAR 10g (W/Kg)	0.064235
SAR 1g (W/Kg)	0.085965
	

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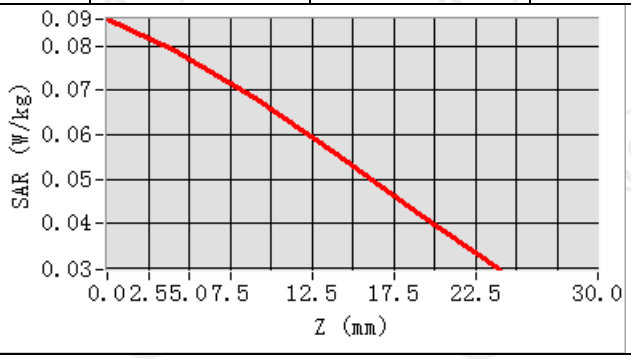
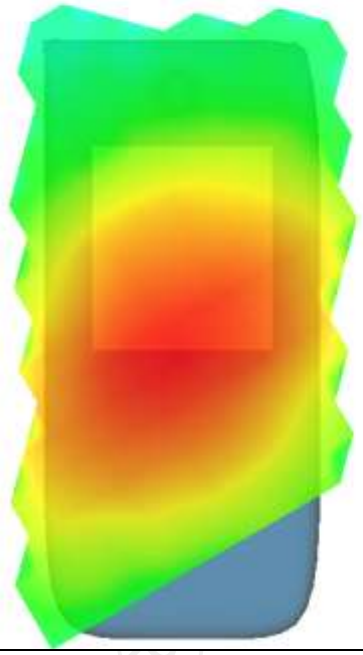
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0860	0.0792	0.0684	0.0556	0.0421



Hot spot position



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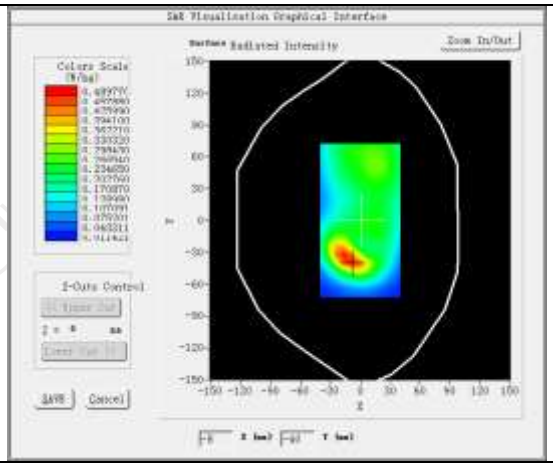
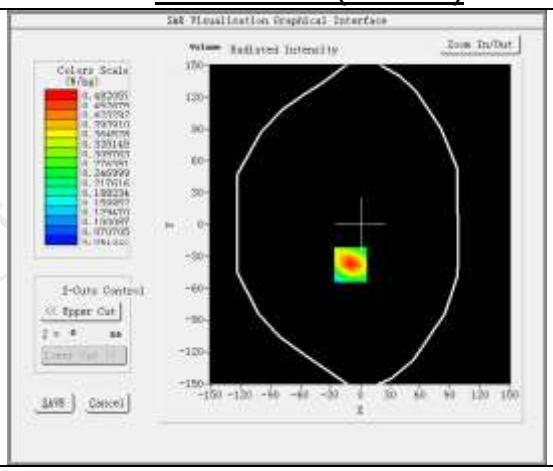
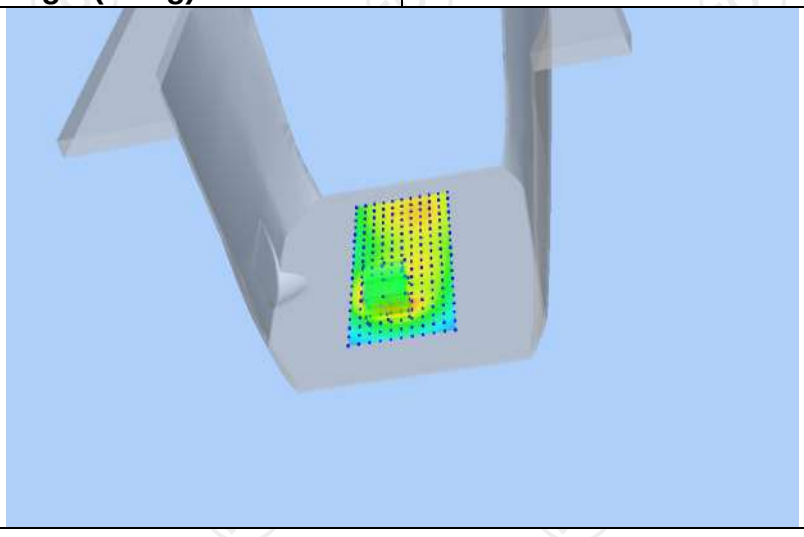
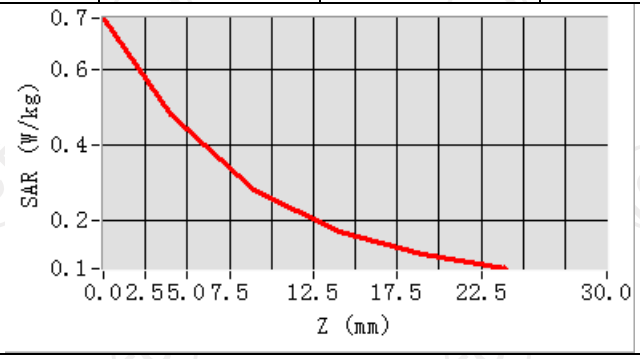
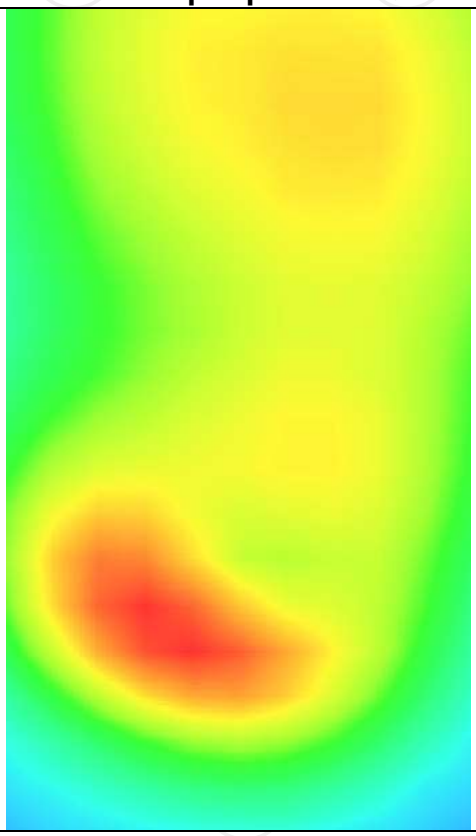
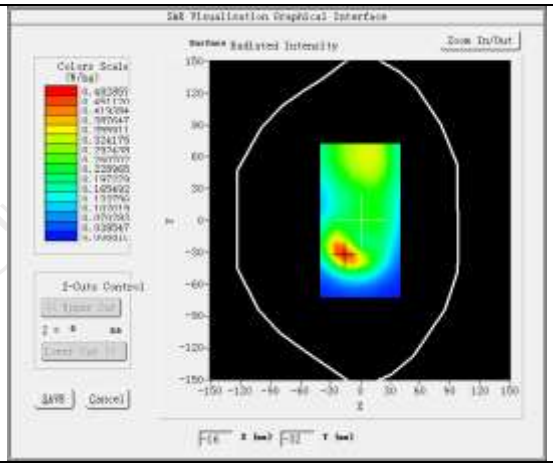
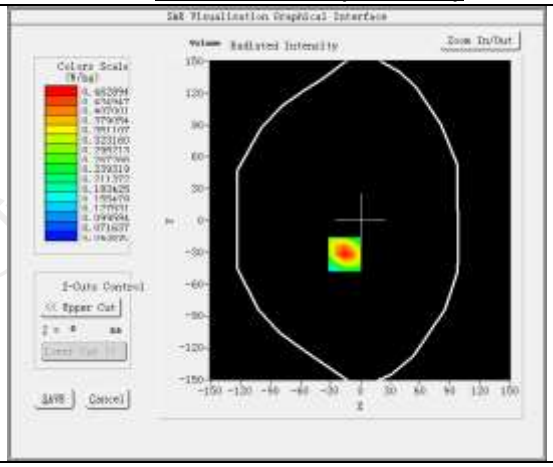
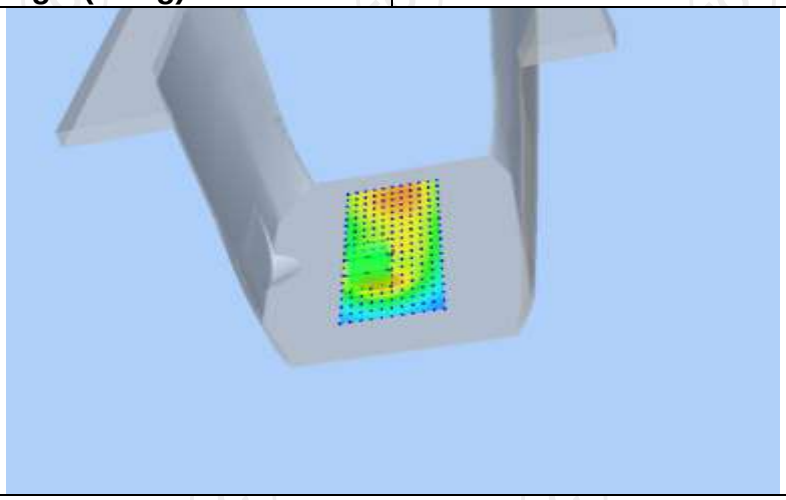
MEASUREMENT 2	
Low Band SAR (Channel 23780):	Date: 12/05/2024
Frequency (MHz)	709.000000
Relative permittivity (real part)	42.529009
Relative permittivity (imaginary part)	23.075825
Conductivity (S/m)	0.897126
Variation (%)	-3.580000
Crest Factor	1.0
Probe Conversion factor	1.71
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	LTE band 17(1 RB#0)
	
Maximum location: X=-10.00, Y=-38.00 SAR Peak: 0.74W/kg	
SAR 10g (W/Kg)	0.263665
SAR 1g (W/Kg)	0.479258
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.7363	0.4821	0.2811	0.1692	0.1099

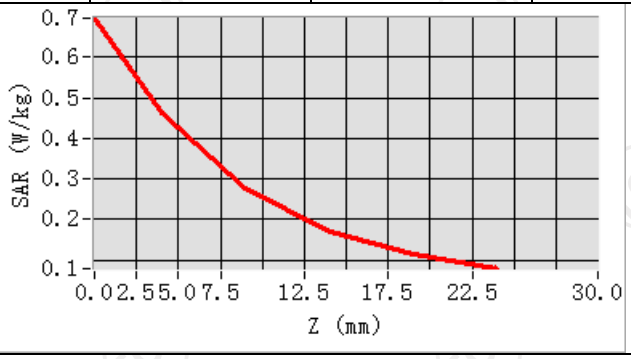


Hot spot position

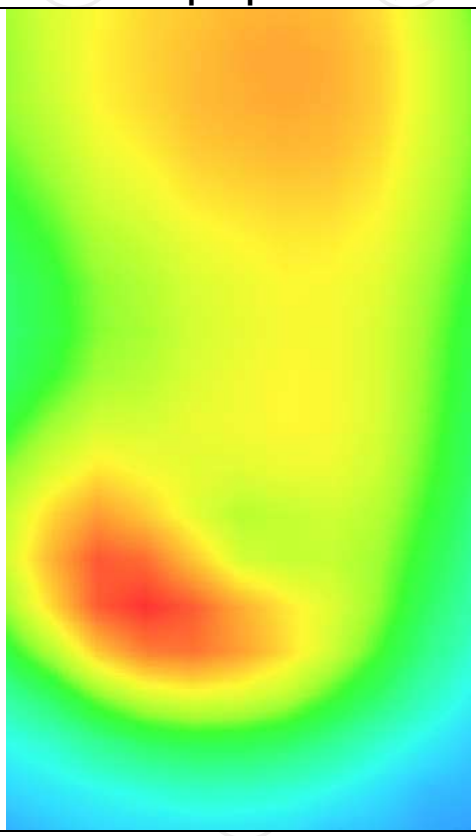


MEASUREMENT 3	
Low Band SAR (Channel 23780):	Date: 12/05/2024
Frequency (MHz)	709.000000
Relative permittivity (real part)	42.529009
Relative permittivity (imaginary part)	23.075825
Conductivity (S/m)	0.897126
Variation (%)	-1.630000
Crest Factor	1.0
Probe Conversion factor	1.71
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(hotspot 10mm)
Band	LTE band 17(1 RB#0)
	
Maximum location: X=-16.00, Y=-32.00 SAR Peak: 0.70 W/kg	
SAR 10g (W/Kg)	0.245626
SAR 1g (W/Kg)	0.438124
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6962	0.4629	0.2763	0.1710	0.1140



Hot spot position



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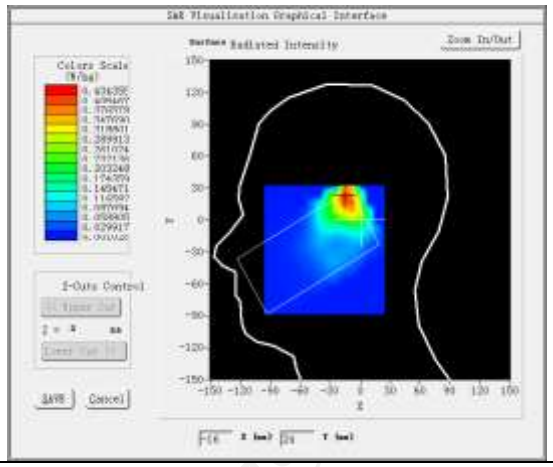
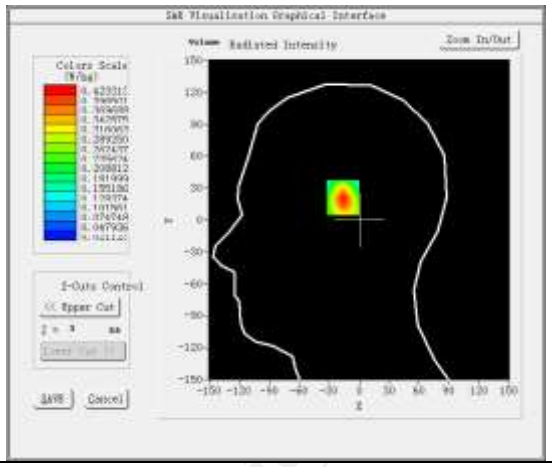
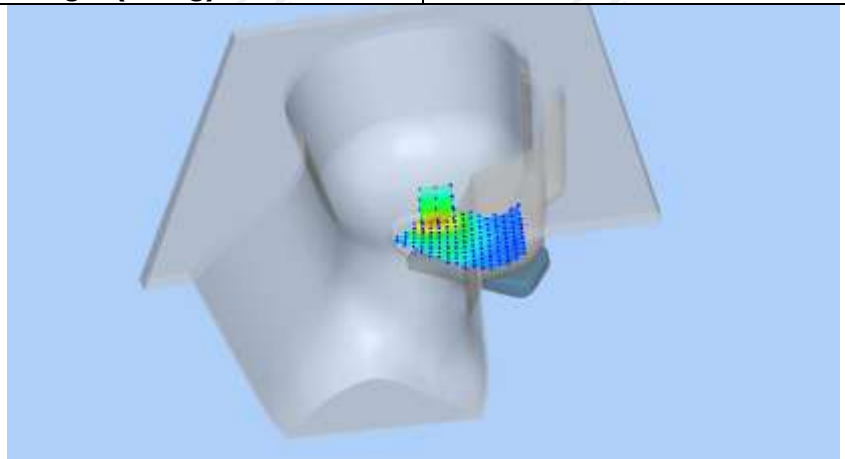
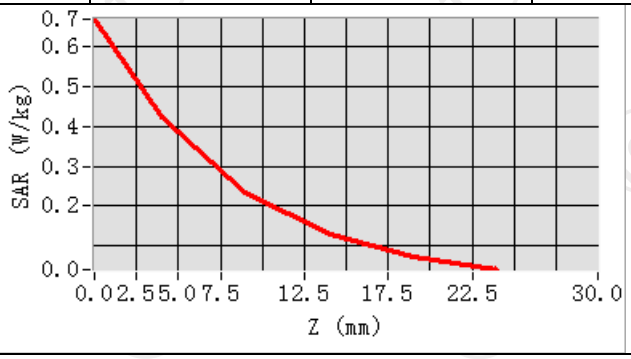
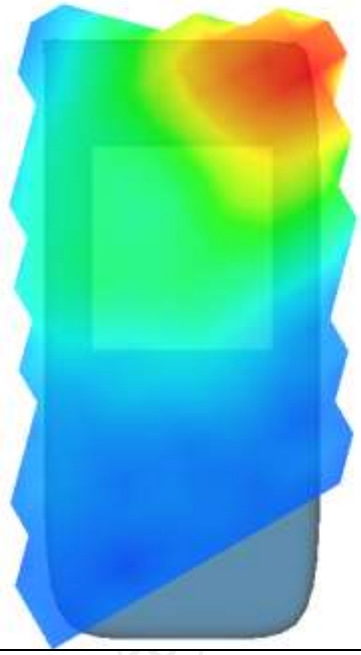
LTE Band 25

MEASUREMENT 1	
Low Band SAR (Channel 26140):	Date: 12/13/2024
Frequency (MHz)	1860.000000
Relative permittivity (real part)	40.098294
Relative permittivity (imaginary part)	13.689567
Conductivity (S/m)	1.402266
Variation (%)	-3.200000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 25(1 RB#0)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-15.00, Y=23.00 SAR Peak: 0.67 W/kg	
SAR 10g (W/Kg)	0.321106
SAR 1g (W/Kg)	0.524596
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6663	0.4233	0.2334	0.1290	0.0743



Hot spot position



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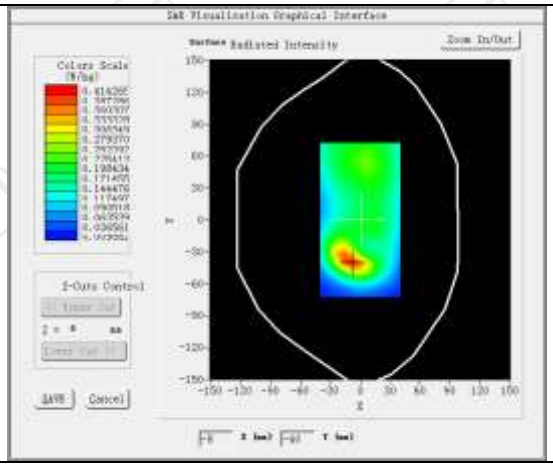
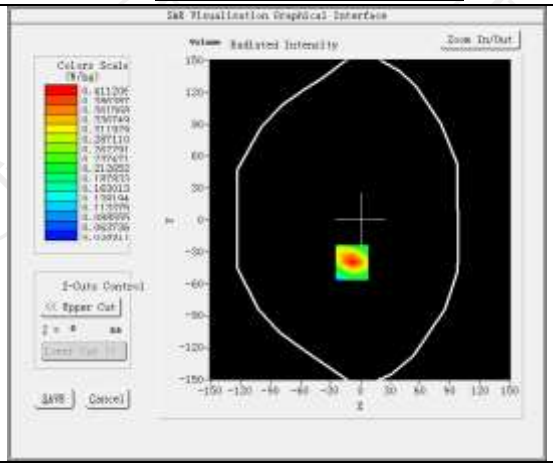
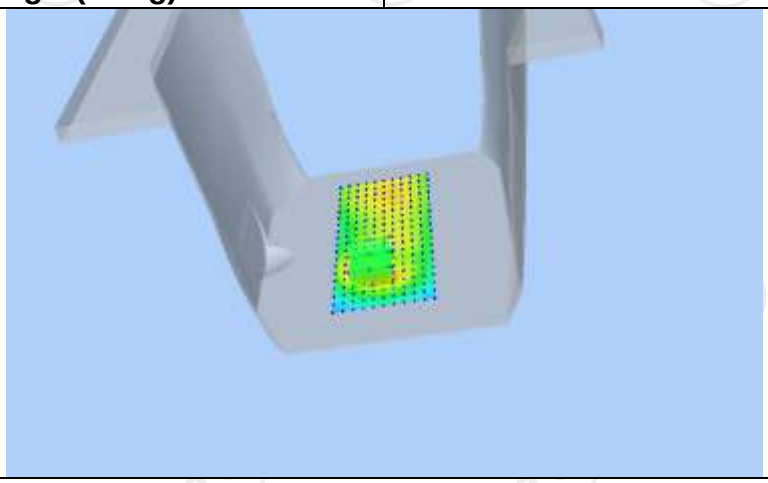
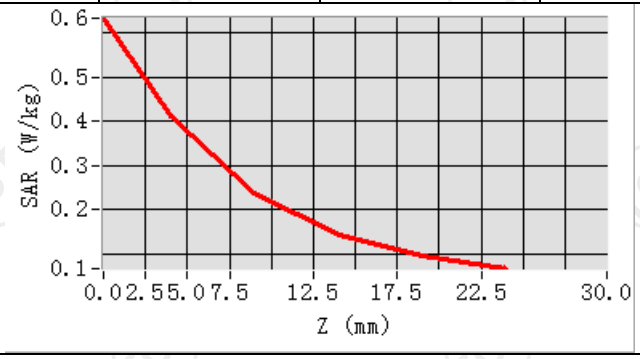
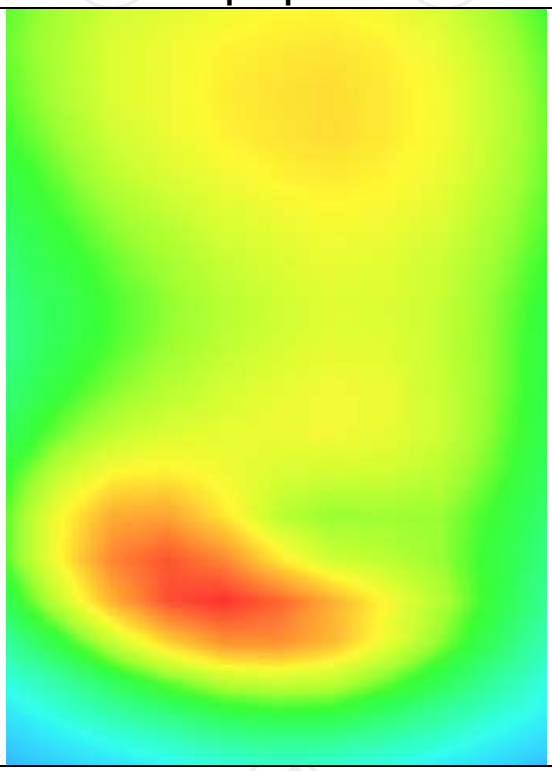
MEASUREMENT 2	
Low Band SAR (Channel 26140):	Date: 12/05/2024
Frequency (MHz)	1860.000000
Relative permittivity (real part)	40.098294
Relative permittivity (imaginary part)	13.689567
Conductivity (S/m)	1.402266
Variation (%)	-2.310000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	LTE band 25(1 RB#0)
	
Maximum location: X=-8.00, Y=-40.00 SAR Peak: 0.64 W/kg	
SAR 10g (W/Kg)	0.238742
SAR 1g (W/Kg)	0.415379
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6343	0.4112	0.2375	0.1433	0.0952



Hot spot position



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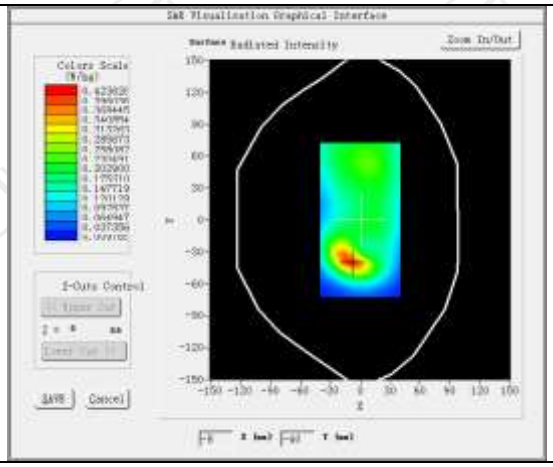
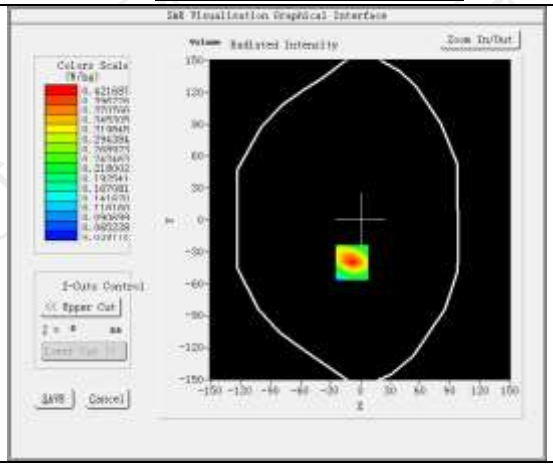
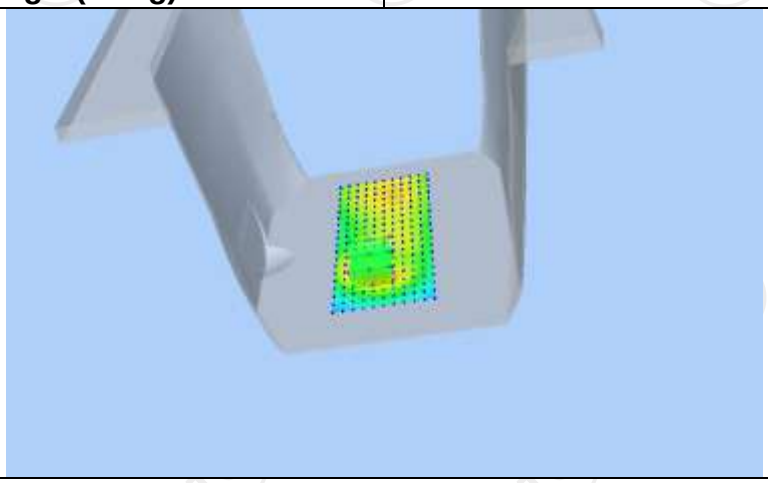
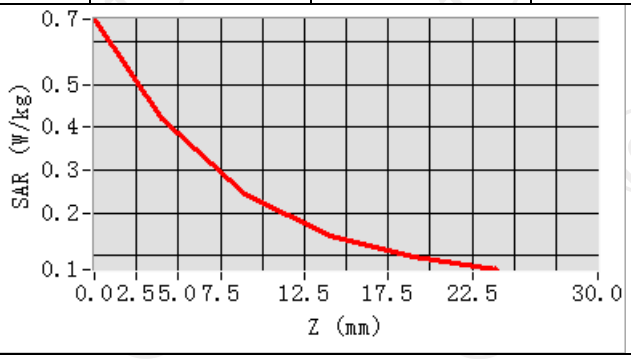
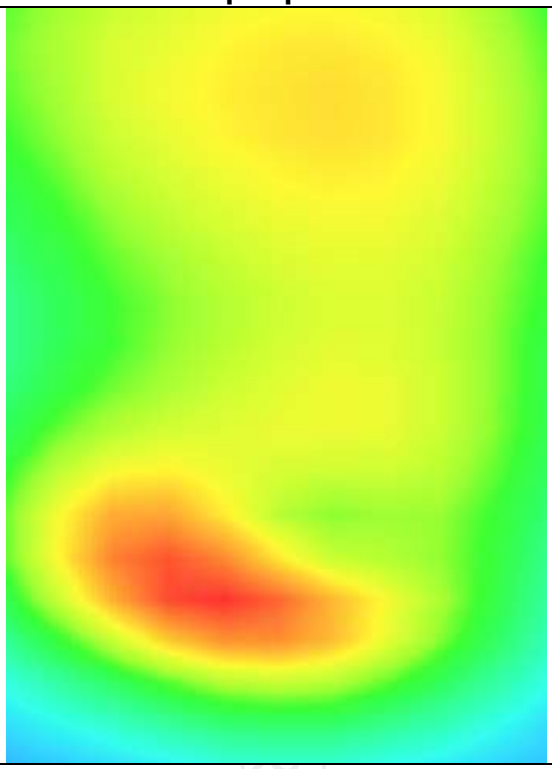
MEASUREMENT 3	
Low Band SAR (Channel 26140):	Date: 12/13/2024
Frequency (MHz)	1860.000000
Relative permittivity (real part)	40.098294
Relative permittivity (imaginary part)	13.689567
Conductivity (S/m)	1.402266
Variation (%)	-2.650000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back((hotspot 10mm)
Band	LTE band 25(1 RB#0)
	
Maximum location: X=-8.00, Y=-40.00 SAR Peak: 0.66 W/kg	
SAR 10g (W/Kg)	0.222752
SAR 1g (W/Kg)	0.395421
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6519	0.4217	0.2429	0.1463	0.0973



Hot spot position



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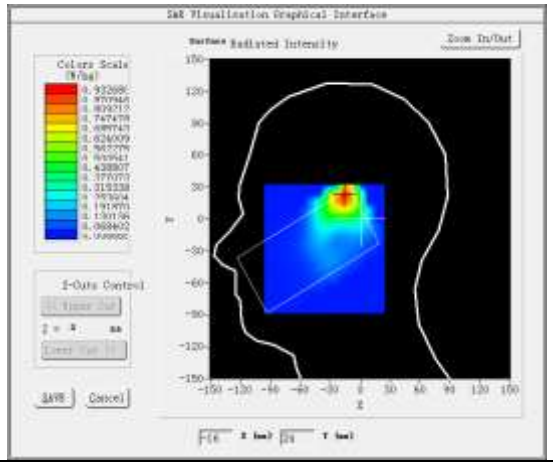
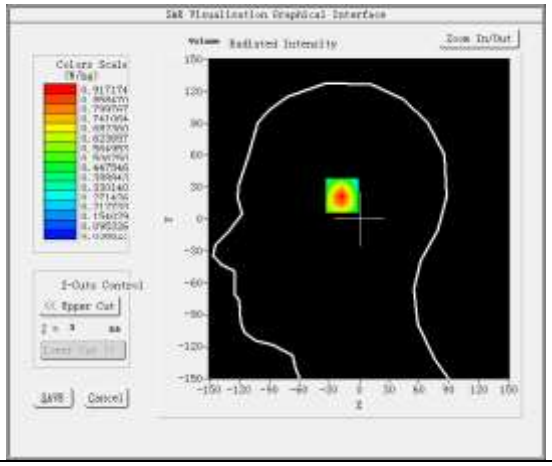
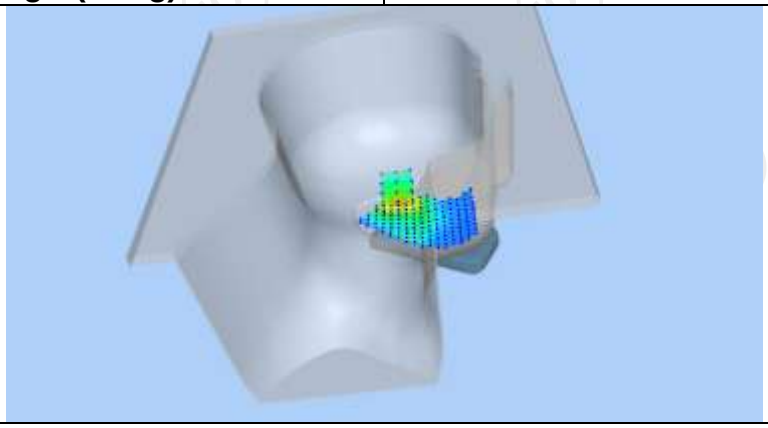
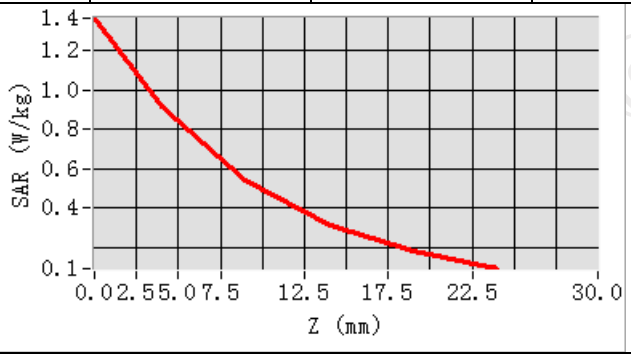
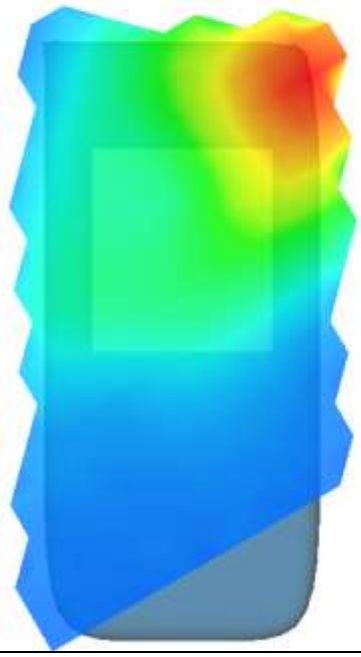
LTE Band 41

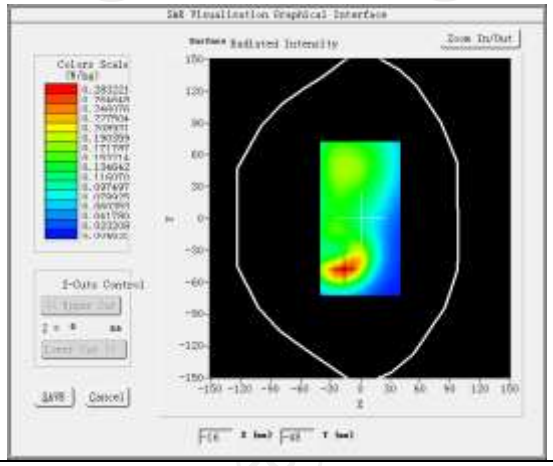
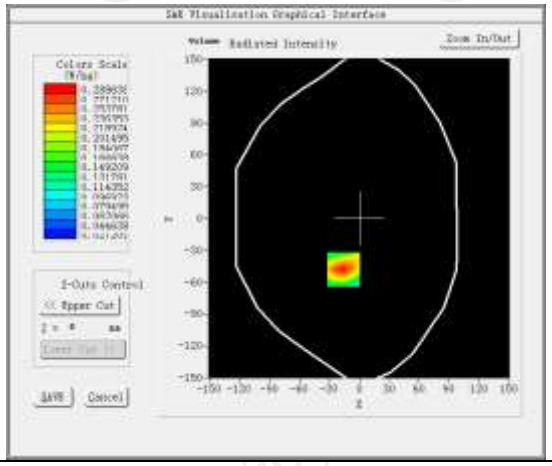
MEASUREMENT 1	
Middle Band SAR (Channel 40620):	Date: 12/25/2024
Frequency (MHz)	2593.000000
Relative permittivity (real part)	38.793391
Relative permittivity (imaginary part)	12.585879
Conductivity (S/m)	1.896153
Variation (%)	-2.690000
Crest Factor	1.0
Probe Conversion factor	4.36
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=12mm dy=12mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 41(1 RB#50)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-16.00, Y=24.00 SAR Peak: 1.36 W/kg	
SAR 10g (W/Kg)	0.480296
SAR 1g (W/Kg)	0.867586
	

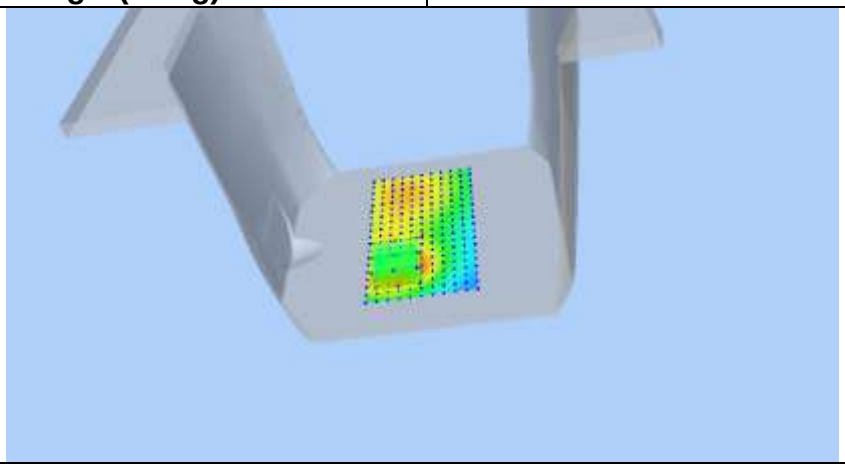
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.3619	0.9172	0.5438	0.3160	0.1810



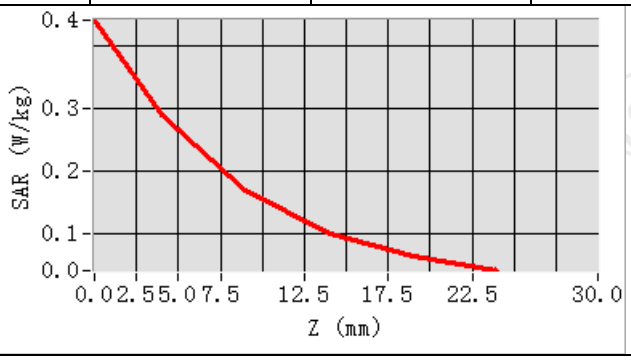
Hot spot position



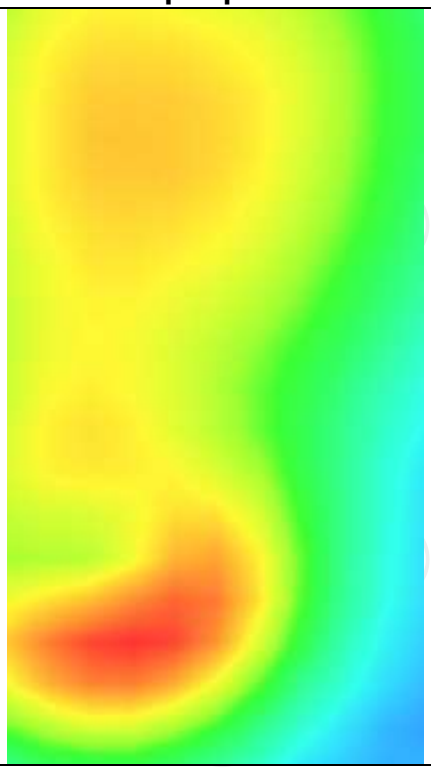
MEASUREMENT 2	
Middle Band SAR (Channel 40620):	Date: 12/25/2024
Frequency (MHz)	2593.000000
Relative permittivity (real part)	38.793391
Relative permittivity (imaginary part)	12.585879
Conductivity (S/m)	1.896153
Variation (%)	-1.850000
Crest Factor	1.0
Probe Conversion factor	4.36
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=12mm dy=12mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back (10mm)
Band	LTE band 41(1 RB#50)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-16.00, Y=-48.00 SAR Peak: 0.44 W/kg	
SAR 10g (W/Kg)	0.161483
SAR 1g (W/Kg)	0.284381

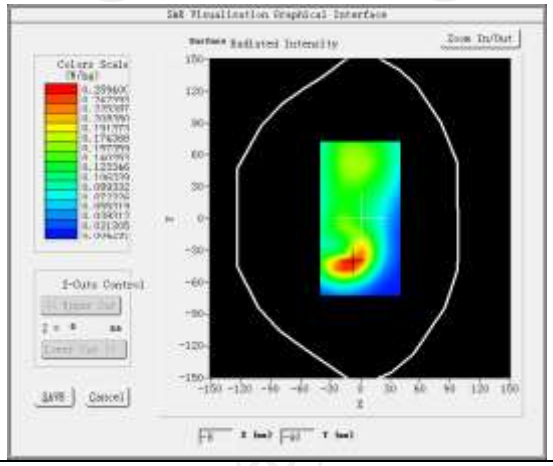
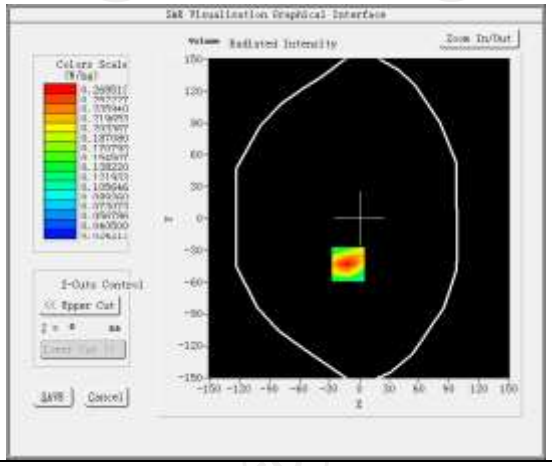
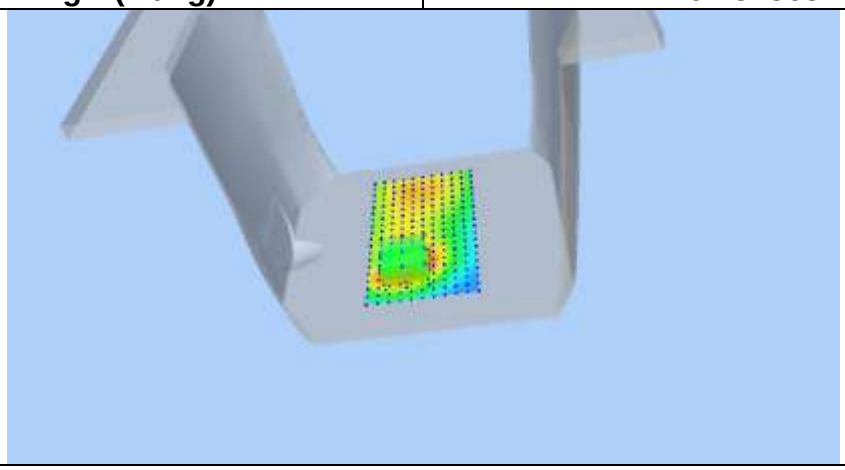


Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4403	0.2886	0.1681	0.1004	0.0640

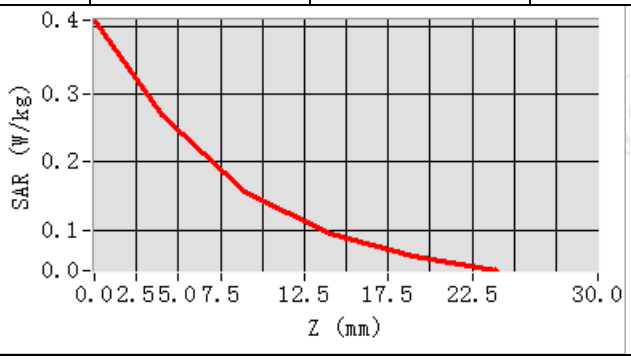


Hot spot position

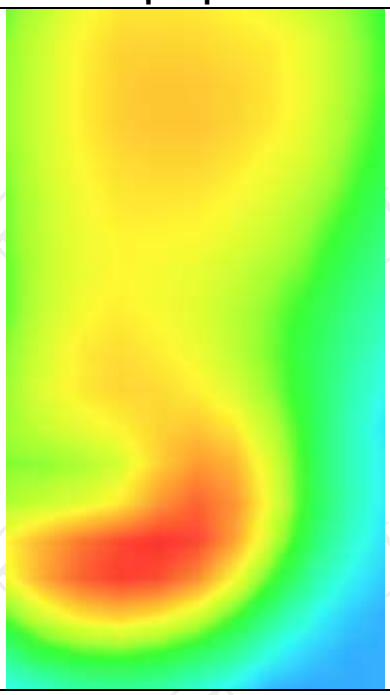


MEASUREMENT 3	
Middle Band SAR (Channel 40620):	Date: 12/25/2024
Frequency (MHz)	2593.000000
Relative permittivity (real part)	38.793391
Relative permittivity (imaginary part)	12.585879
Conductivity (S/m)	1.896153
Variation (%)	-0.350000
Crest Factor	1.0
Probe Conversion factor	4.36
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=12mm dy=12mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back (hotspot 10mm)
Band	LTE band 41(1 RB#50)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-11.00, Y=-43.00 SAR Peak: 0.41 W/kg	
SAR 10g (W/Kg)	0.146759
SAR 1g (W/Kg)	0.257365
	

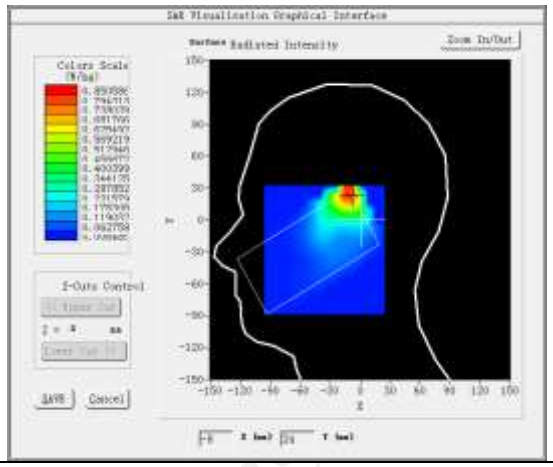
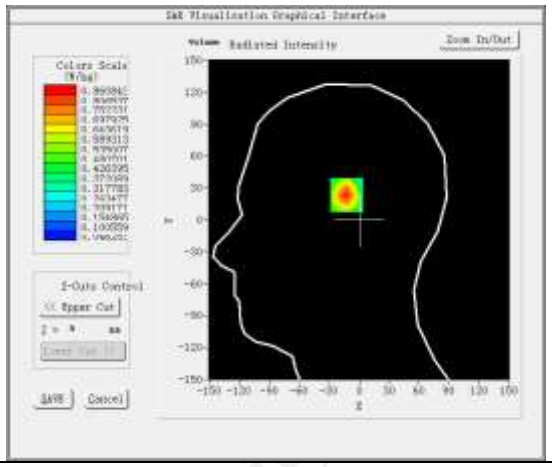
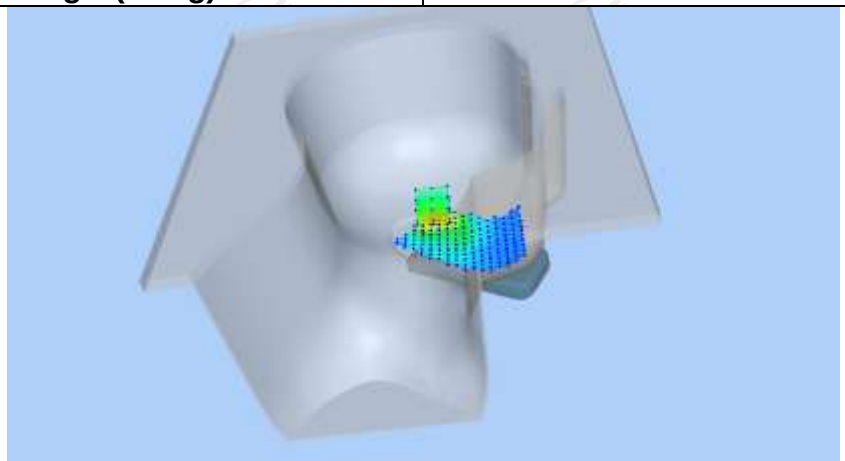
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4088	0.2685	0.1571	0.0946	0.0611



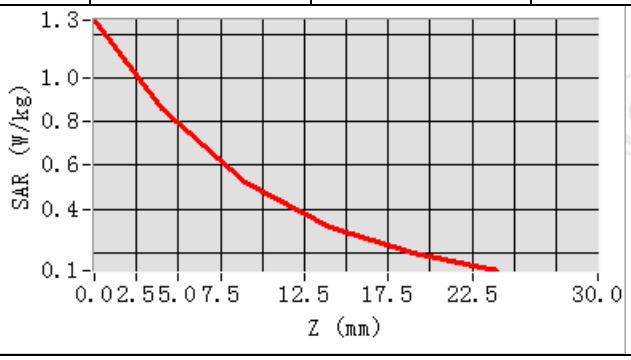
Hot spot position



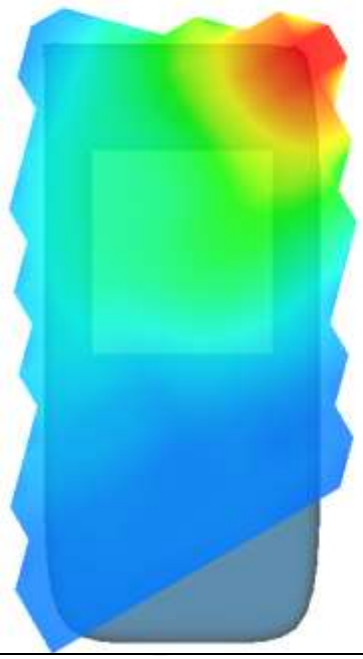
LTE Band 66

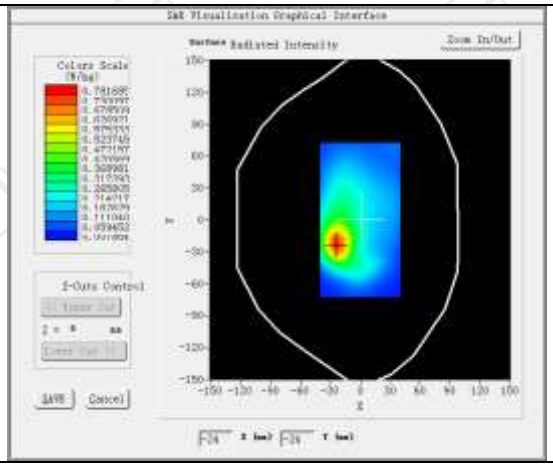
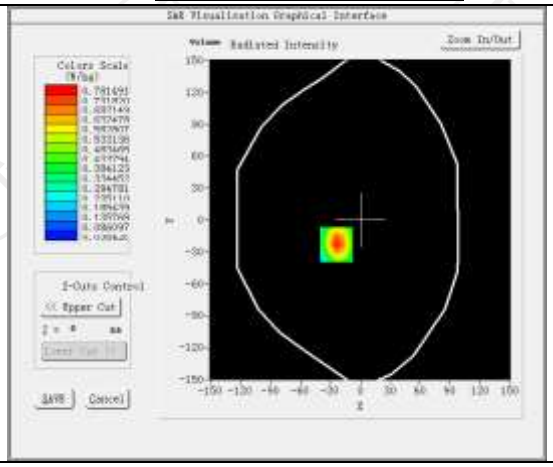
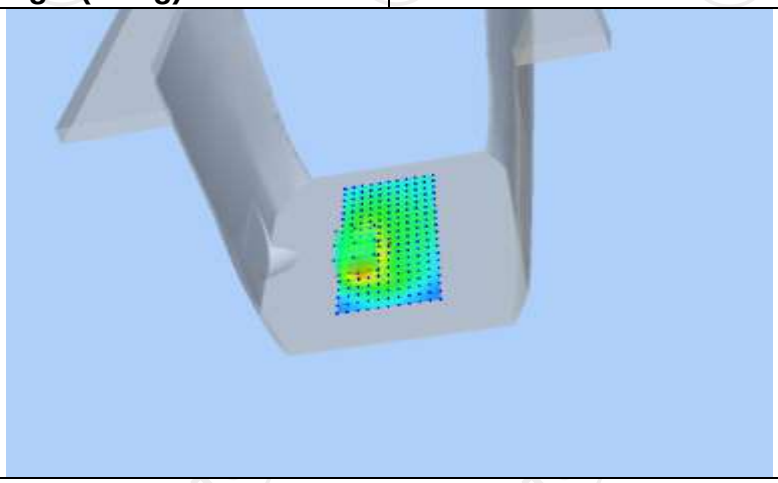
MEASUREMENT 1	
Low Band SAR (Channel 132072):	Date: 12/16/2024
Frequency (MHz)	1720.000000
Relative permittivity (real part)	40.424125
Relative permittivity (imaginary part)	14.562530
Conductivity (S/m)	1.352935
Variation (%)	-0.850000
Crest Factor	1.0
Probe Conversion factor	2.08
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 66(1 RB#0)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-11.00, Y=25.00 SAR Peak: 1.27 W/kg	
SAR 10g (W/Kg)	0.462395
SAR 1g (W/Kg)	0.811329
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.2654	0.8608	0.5225	0.3174	0.1963

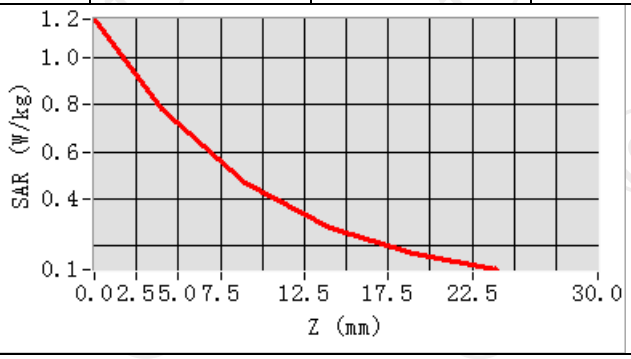


Hot spot position

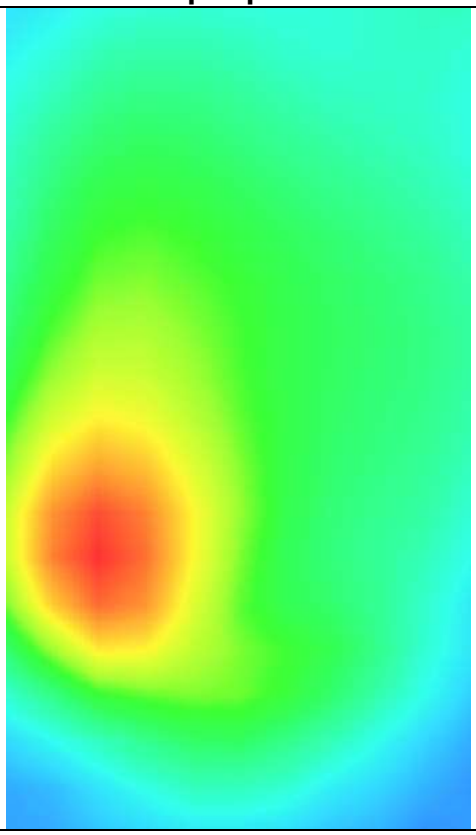


MEASUREMENT 2	
Low Band SAR (Channel 132072):	Date: 12/16/2024
Frequency (MHz)	1720.000000
Relative permittivity (real part)	40.424125
Relative permittivity (imaginary part)	14.562530
Conductivity (S/m)	1.352935
Variation (%)	-1.950000
Crest Factor	1.0
Probe Conversion factor	2.08
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	LTE band 66(1 RB#0)
	
Maximum location: X=-24.00, Y=-23.00 SAR Peak: 1.17W/kg	
SAR 10g (W/Kg)	0.441525
SAR 1g (W/Kg)	0.764239
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.1626	0.7815	0.4664	0.2784	0.1694



Hot spot position



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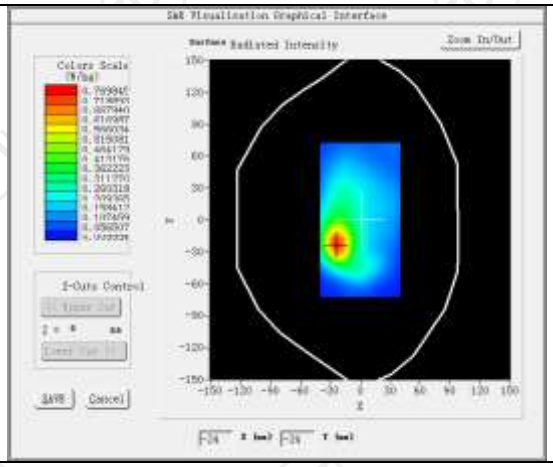
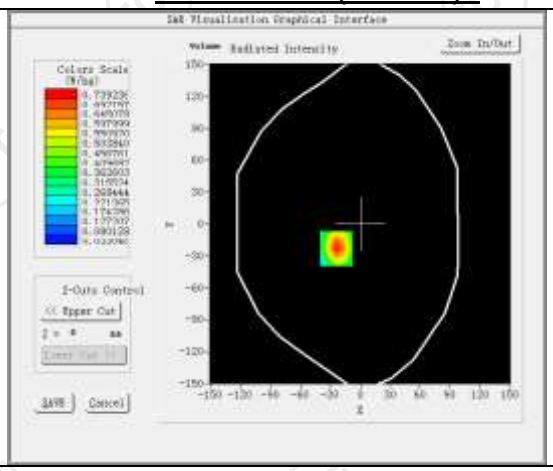
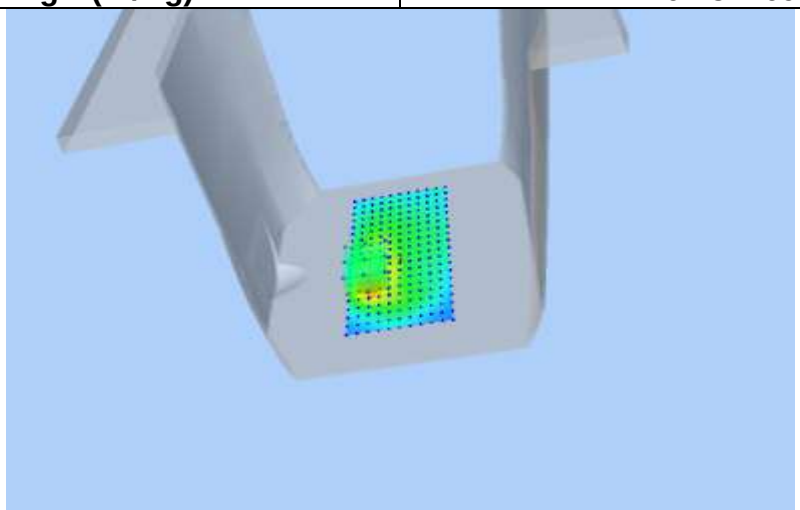
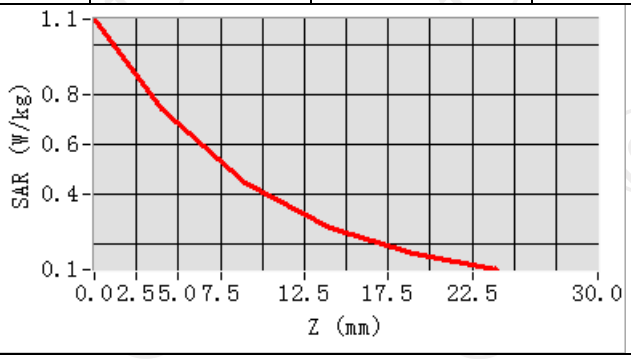
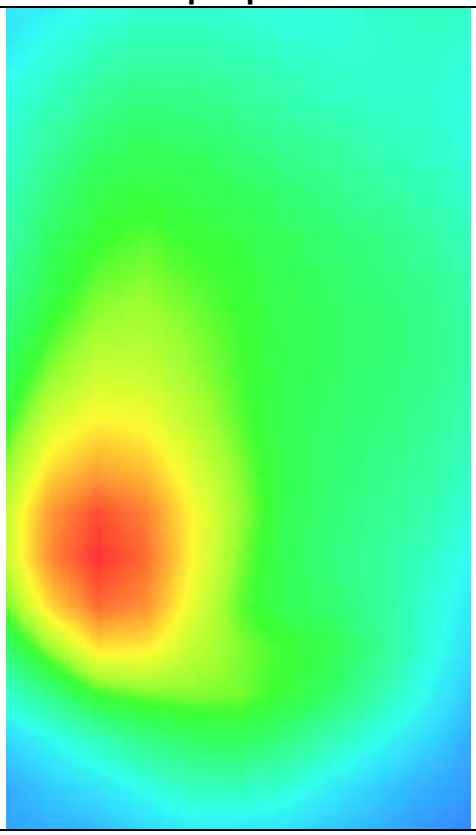
MEASUREMENT 3	
Low Band SAR (Channel 132072):	Date: 12/16/2024
Frequency (MHz)	1720.000000
Relative permittivity (real part)	40.424125
Relative permittivity (imaginary part)	14.562530
Conductivity (S/m)	1.352935
Variation (%)	2.830000
Crest Factor	1.0
Probe Conversion factor	2.08
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back((hotspot10mm)
Band	LTE band 66(1 RB#0)
	
Maximum location: X=-24.00, Y=-23.00 SAR Peak: 1.11 W/kg	
SAR 10g (W/Kg)	0.402526
SAR 1g (W/Kg)	0.732269
	

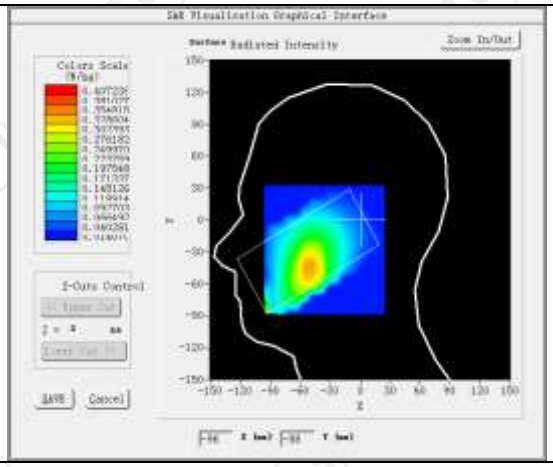
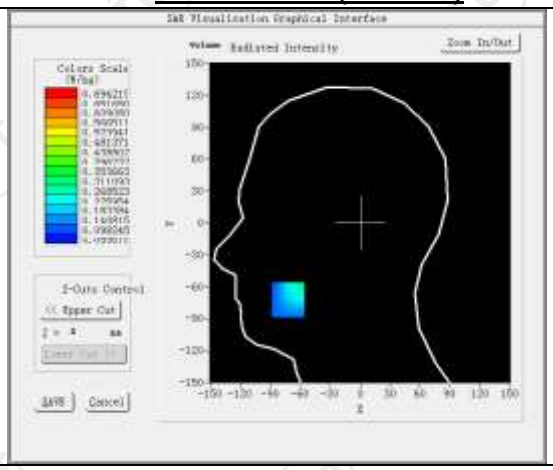
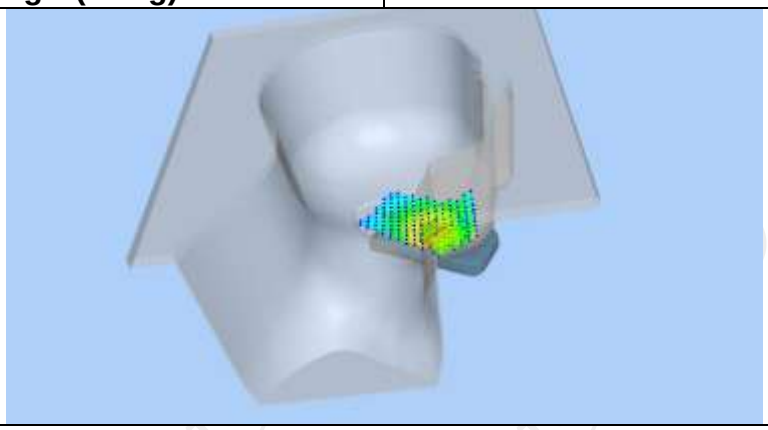
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.1003	0.7392	0.4409	0.2632	0.1604



Hot spot position

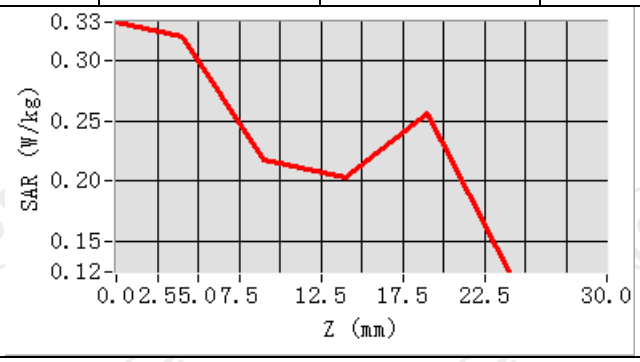


LTE Band 71

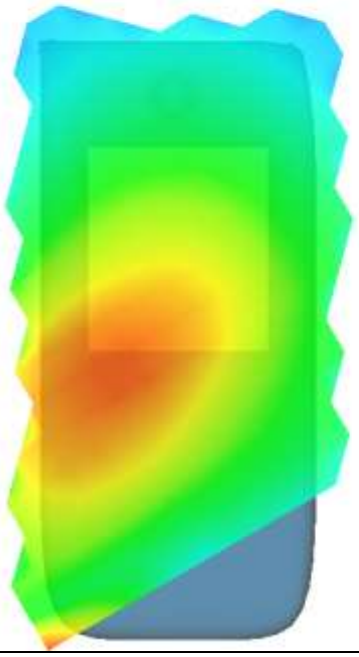
MEASUREMENT 1	
Low Band SAR (Channel 133222):	Date: 12/05/2024
Frequency (MHz)	673.000000
Relative permittivity (real part)	42.931050
Relative permittivity (imaginary part)	24.164517
Conductivity (S/m)	0.892533
Variation (%)	-1.030000
Crest Factor	1.0
Probe Conversion factor	1.71
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 71(1 RB#0)
	
Maximum location: X=-72.00, Y=-72.00 SAR Peak: 0.38W/kg	
SAR 10g (W/Kg)	0.204635
SAR 1g (W/Kg)	0.292426
	

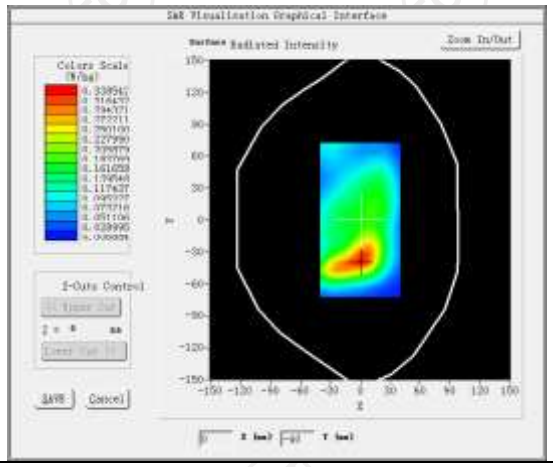
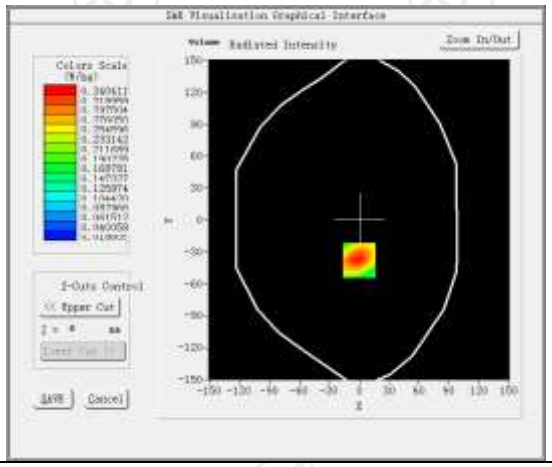
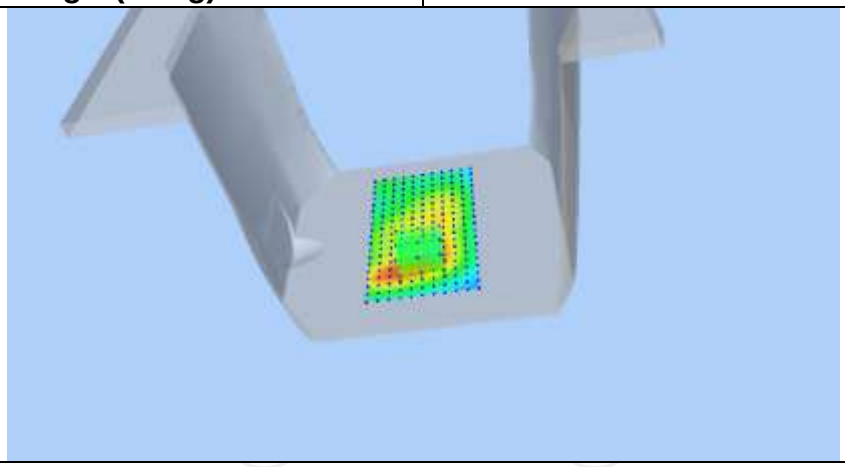
Z (mm)	0.00	4.00	9.00	14.00	19.00

SAR (W/Kg)	0.3324	0.3200	0.2176	0.2036	0.2567

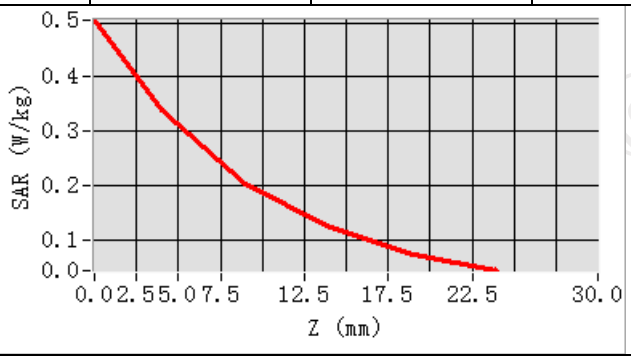


Hot spot position

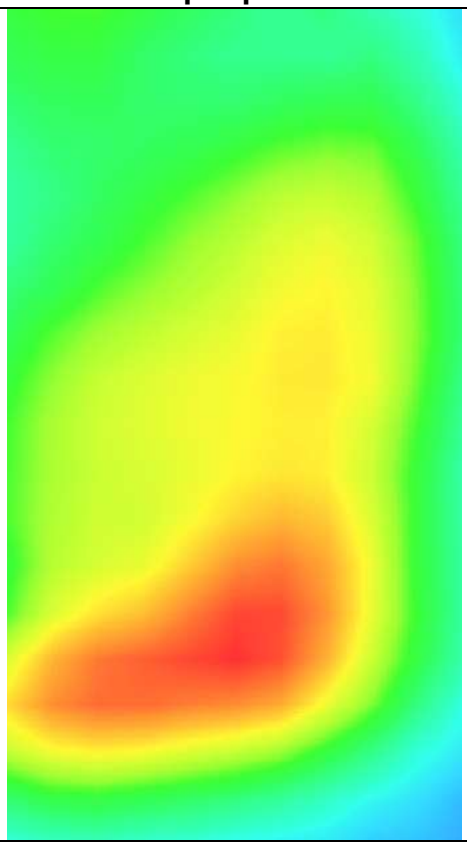


MEASUREMENT 2	
Low Band SAR (Channel 133222):	Date: 12/05/2024
Frequency (MHz)	673.000000
Relative permittivity (real part)	42.931050
Relative permittivity (imaginary part)	24.164517
Conductivity (S/m)	0.892533
Variation (%)	-1.980000
Crest Factor	1.0
Probe Conversion factor	1.71
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	LTE band 71(1 RB#0)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=0.00, Y=-38.00 SAR Peak: 0.51 W/kg	
SAR 10g (W/Kg)	0.186324
SAR 1g (W/Kg)	0.308265
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5048	0.3404	0.2041	0.1225	0.0749



Hot spot position



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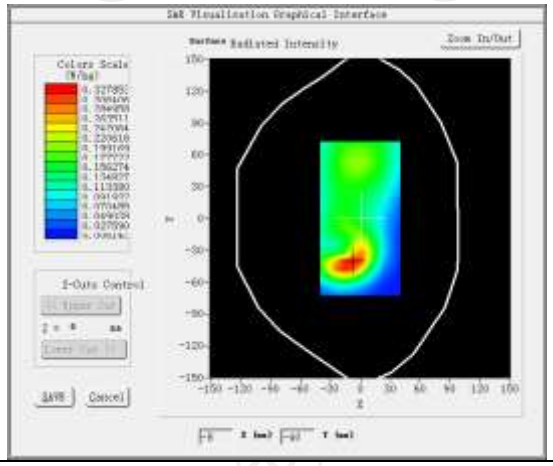
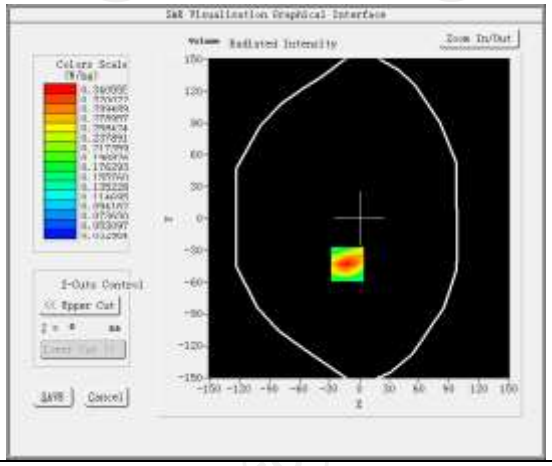
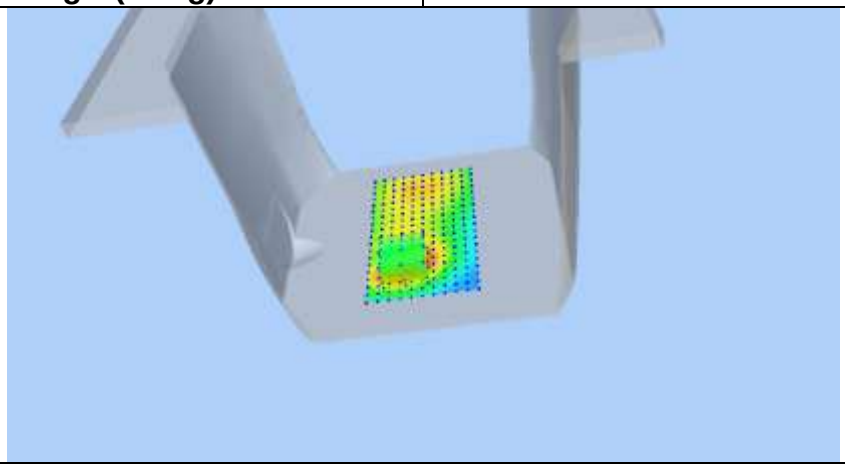
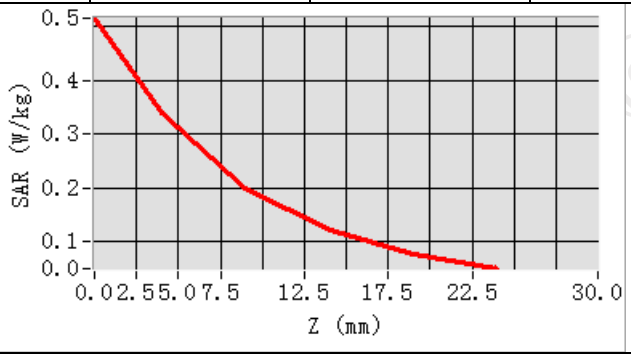
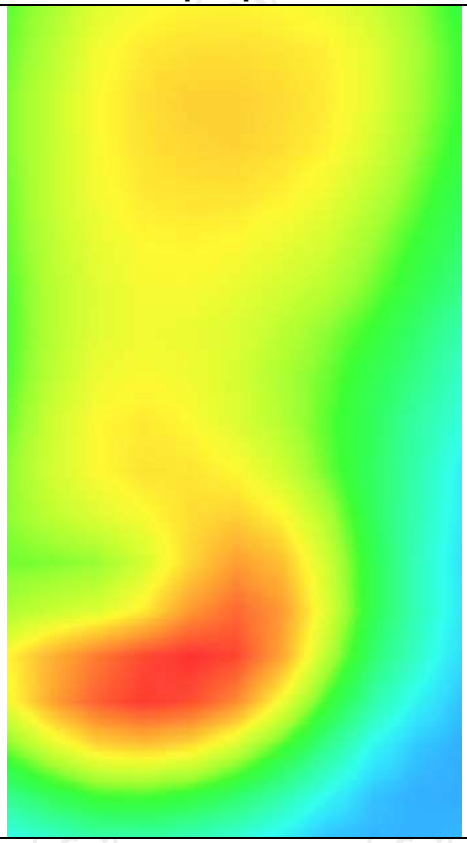
MEASUREMENT 3	
Low Band SAR (Channel 133222):	Date: 12/05/2024
Frequency (MHz)	673.000000
Relative permittivity (real part)	42.931050
Relative permittivity (imaginary part)	24.164517
Conductivity (S/m)	0.892533
Variation (%)	-0.930000
Crest Factor	1.0
Probe Conversion factor	2.08
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back((hotspot10mm)
Band	LTE band 71(1 RB#0)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-12.00, Y=-43.00 SAR Peak: 0.52 W/kg	
SAR 10g (W/Kg)	0.182749
SAR 1g (W/Kg)	0.308254
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5157	0.3406	0.2001	0.1203	0.0766



Hot spot position



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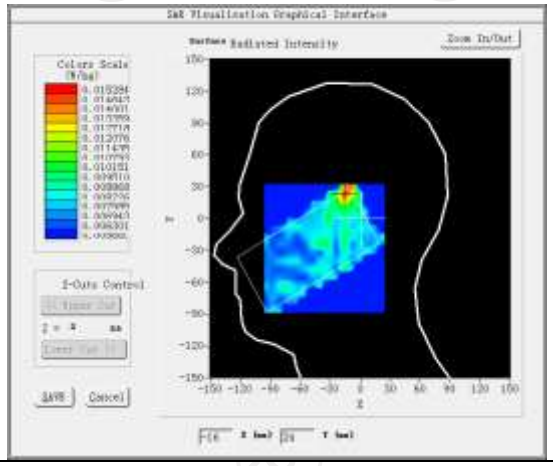
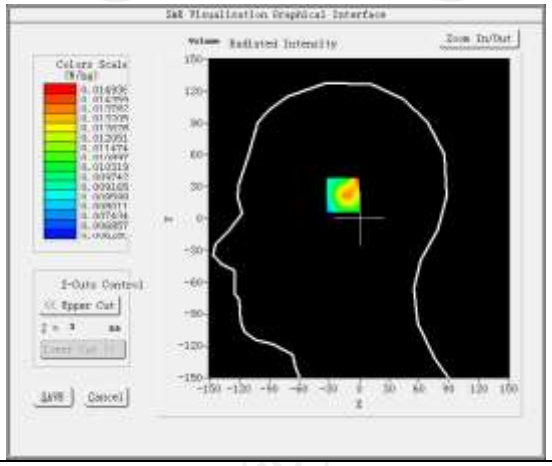
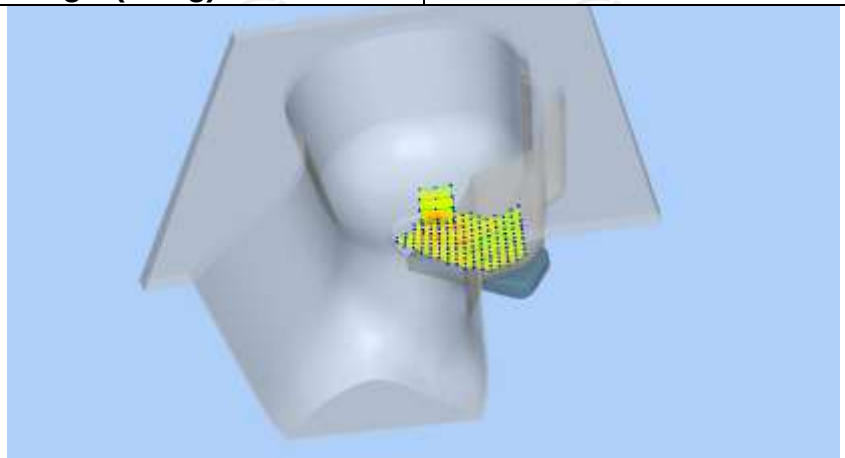
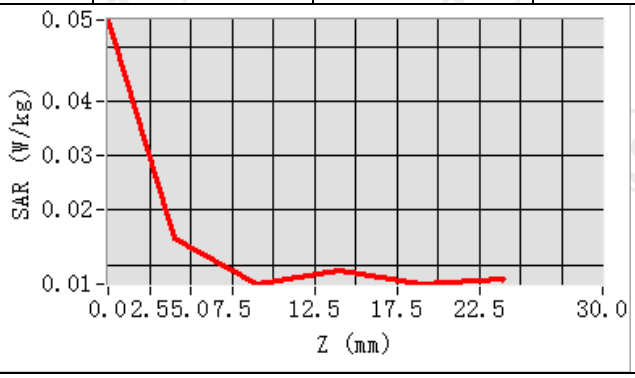
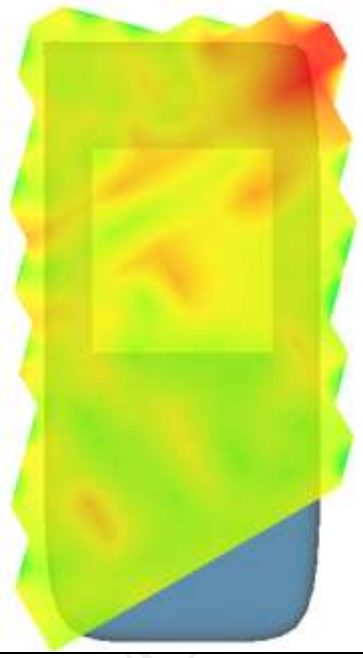
WLAN 2.4G

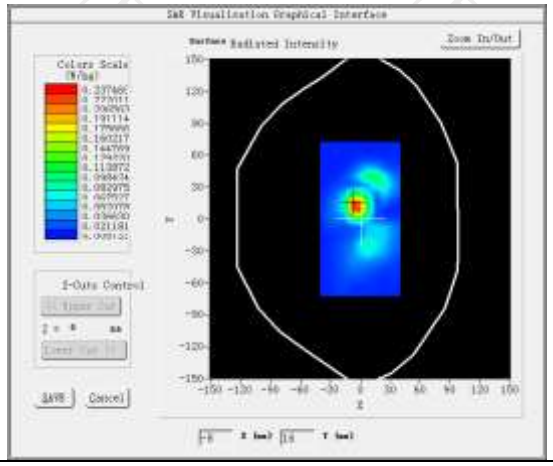
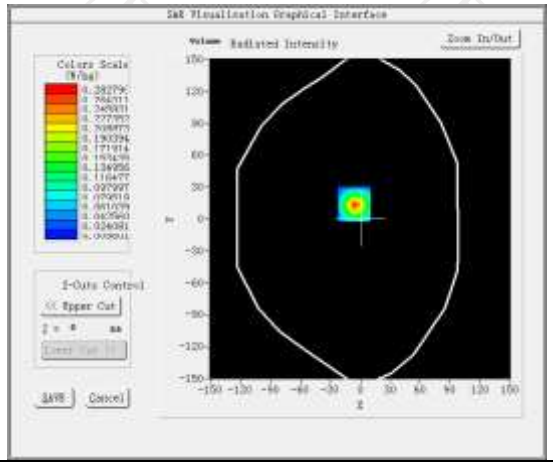
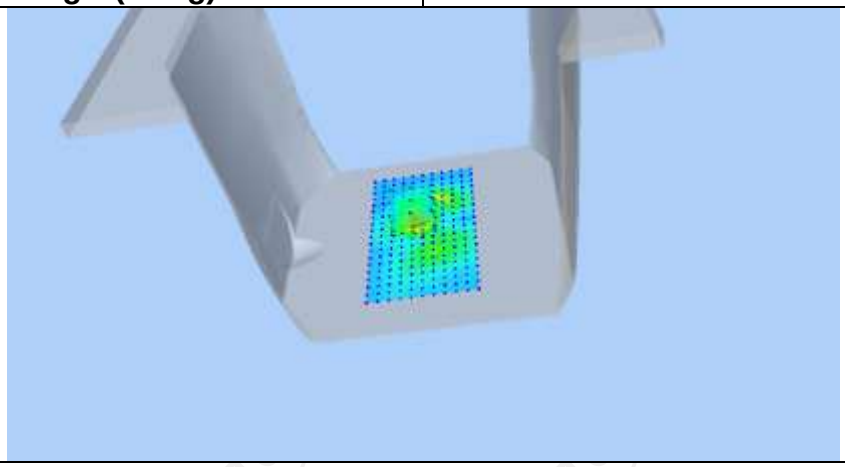
MEASUREMENT 1	
Middle Band SAR (Channel 6):	Date: 12/23/2024
Frequency (MHz)	2437.000000
Relative permittivity (real part)	39.042679
Relative permittivity (imaginary part)	13.460454
Conductivity (S/m)	1.783480
Variation (%)	-2.530000
Crest Factor	1.0
Probe Conversion factor	2.31
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=12mm dy=12mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	IEEE 802.11b ISM
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-15.00, Y=24.00 SAR Peak: 0.02 W/kg	
SAR 10g (W/Kg)	0.010925
SAR 1g (W/Kg)	0.016924
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0548	0.0149	0.0065	0.0089	0.0066

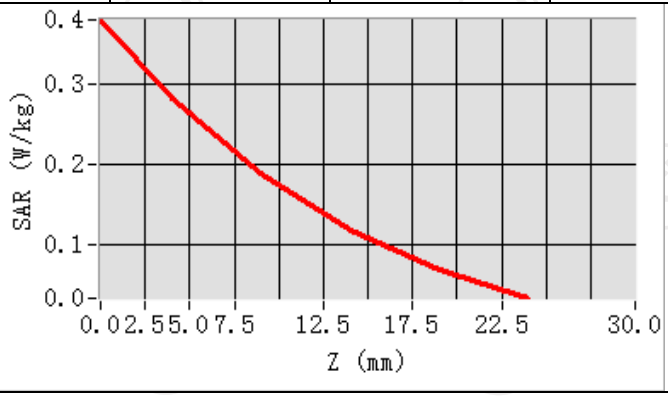


Hot spot position

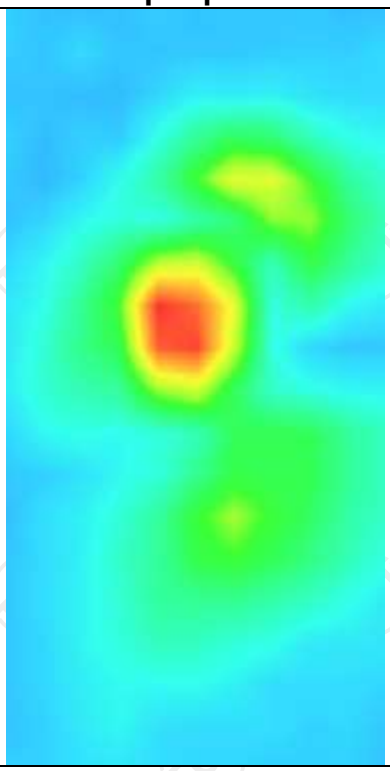


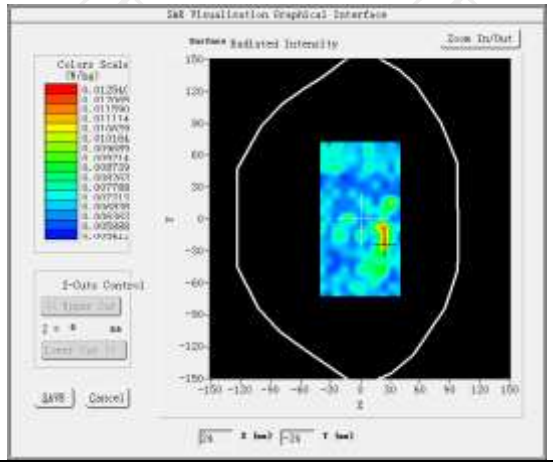
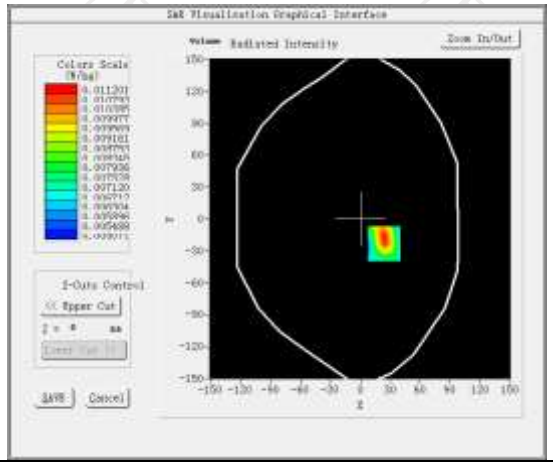
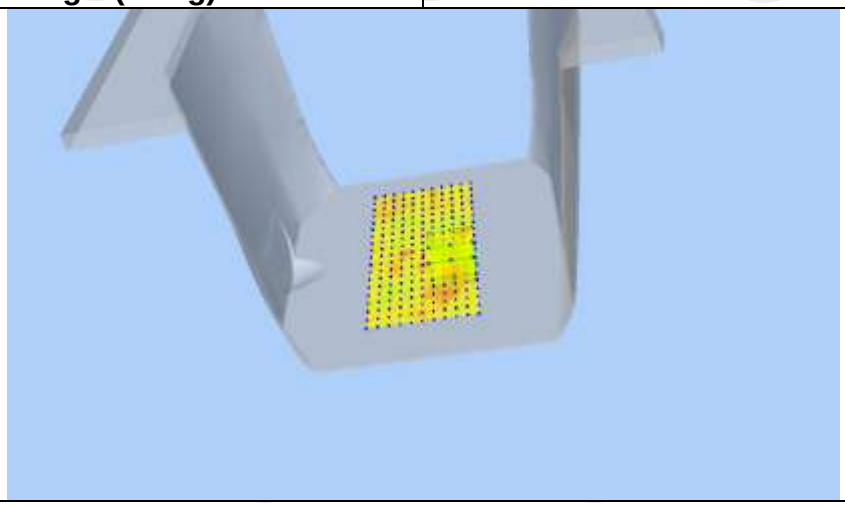
MEASUREMENT 2	
Middle Band SAR (Channel 6):	Date: 12/23/2024
Frequency (MHz)	2437.000000
Relative permittivity (real part)	39.042679
Relative permittivity (imaginary part)	13.460454
Conductivity (S/m)	1.783480
Variation (%)	-0.960000
Crest Factor	1.0
Probe Conversion factor	2.31
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=12mm dy=12mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	IEEE 802.11b ISM
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-6.00, Y=14.00 SAR Peak: 0.39 W/kg	
SAR 10g (W/Kg)	0.120526
SAR 1g (W/Kg)	0.242349
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3797	0.2828	0.1881	0.1180	0.0677



Hot spot position



MEASUREMENT 3	
Middle Band SAR (Channel 6):	Date: 12/23/2024
Frequency (MHz)	2437.000000
Relative permittivity (real part)	39.042679
Relative permittivity (imaginary part)	13.460454
Conductivity (S/m)	1.783480
Variation (%)	-3.260000
Crest Factor	1.0
Probe Conversion factor	2.31
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=12mm dy=12mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	IEEE 802.11b ISM(hotspot)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=24.00, Y=-23.00 SAR Peak: 0.02 W/kg	
SAR 10g (W/Kg)	0.013425
SAR 1g (W/Kg)	0.026752
	

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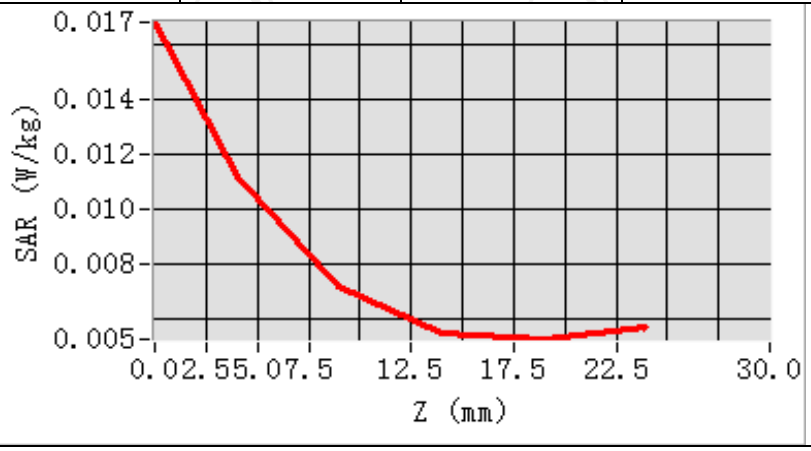
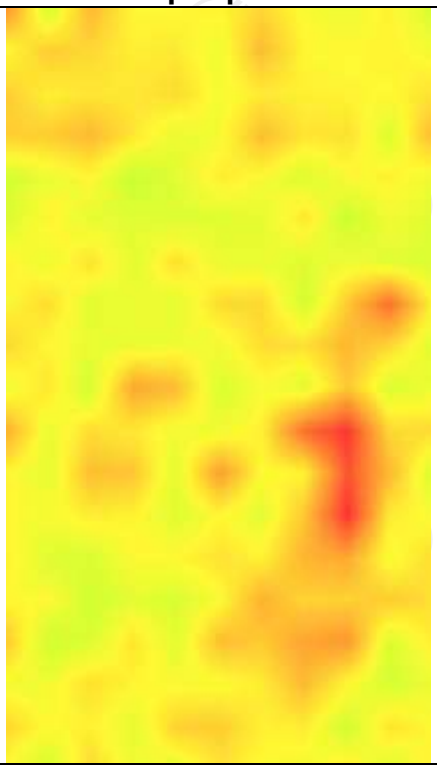
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0168	0.0112	0.0072	0.0055	0.0053



Hot spot position



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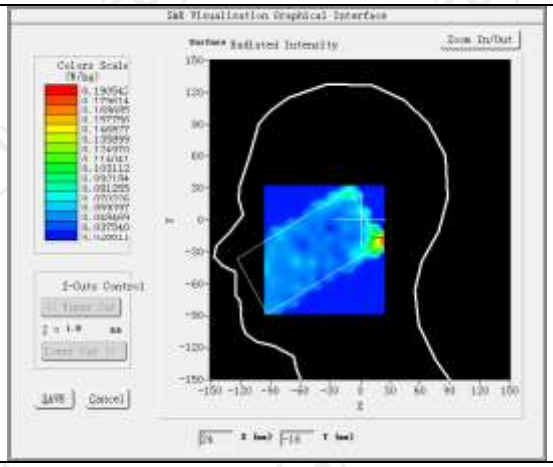
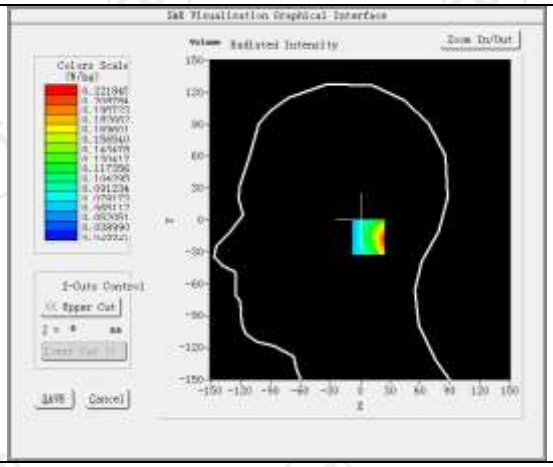
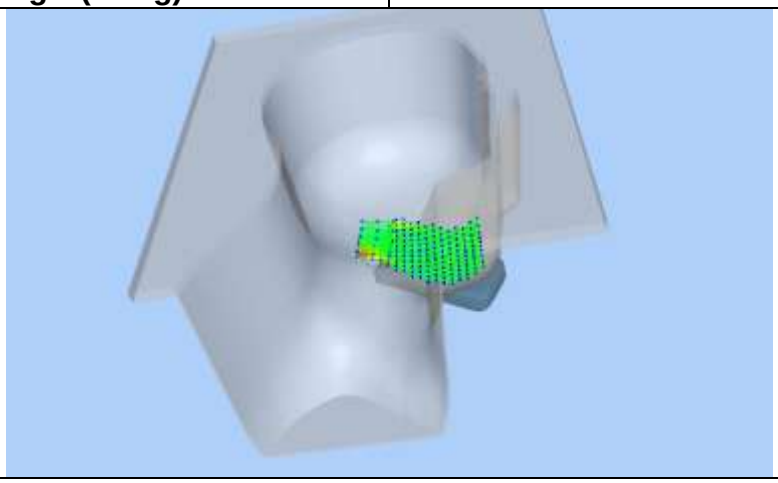
WLAN 5.2G

MEASUREMENT 1	
High Band SAR (Channel 48):	Date: 12/26/2024
Frequency (MHz)	5240.000000
Relative permittivity (real part)	35.980419
Relative permittivity (imaginary part)	13.607164
Conductivity (S/m)	4.820543
Variation (%)	-2.360000
Crest Factor	1.0
Probe Conversion factor	2.01
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=10mm dy=10mm, h= 5.00 mm
ZoomScan	7x7x12,dx=4mm dy=4mm dz=2mm,Complete/ndx=4mm dy=4mm, h= 2.00 mm
Phantom	Left head
Device Position	Cheek
Band	IEEE 802.11a U-NII
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=16.00, Y=-16.00 SAR Peak: 0.48 W/kg	
SAR 10g (W/Kg)	0.091425
SAR 1g (W/Kg)	0.198425
	

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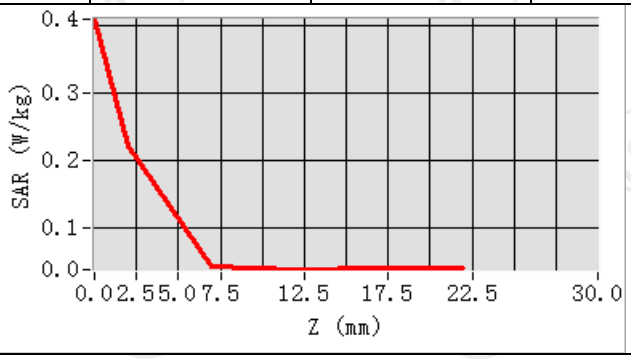
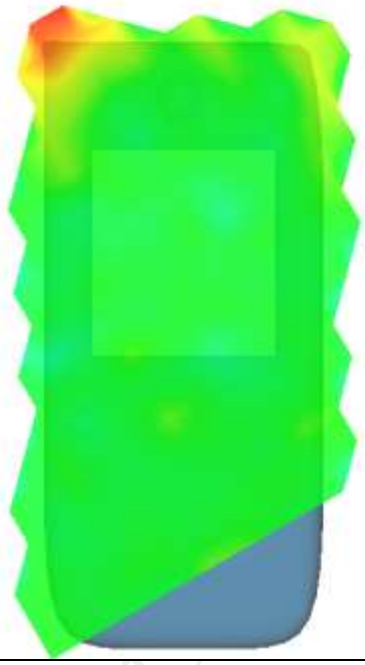
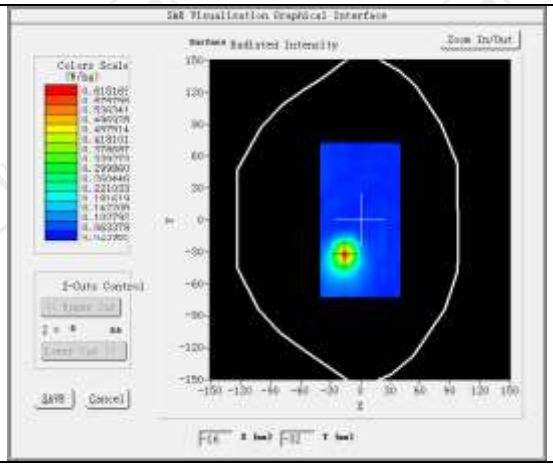
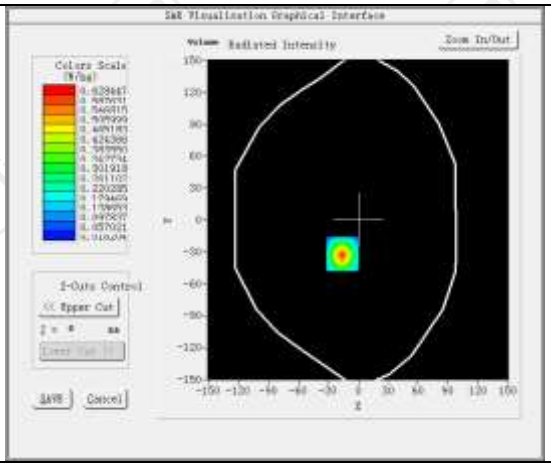
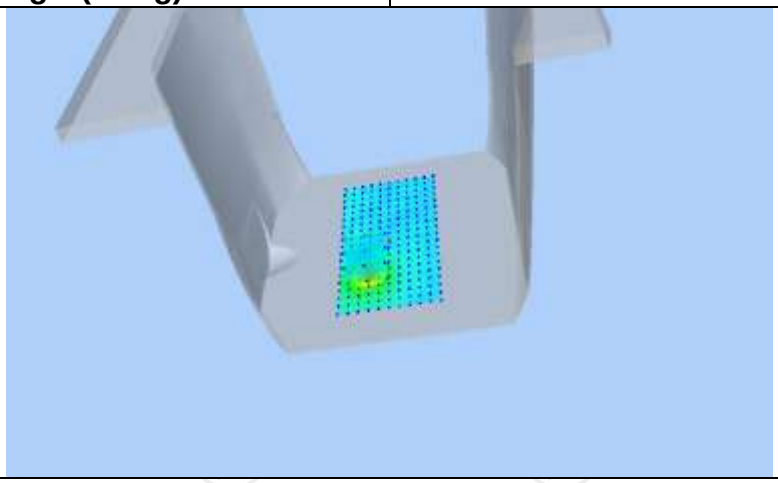
Z (mm)	0.00	2.00	7.00	12.00	17.00
SAR (W/Kg)	0.4093	0.2218	0.0427	0.0376	0.0400



Hot spot position



MEASUREMENT 2	
High Band SAR (Channel 48):	Date: 12/26/2024
Frequency (MHz)	5240.000000
Relative permittivity (real part)	35.980419
Relative permittivity (imaginary part)	13.607164
Conductivity (S/m)	4.820543
Variation (%)	-2.530000
Crest Factor	1.0
Probe Conversion factor	2.01
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=10mm dy=10mm, h= 5.00 mm
ZoomScan	7x7x12,dx=4mm dy=4mm dz=2mm,Complete/ndx=4mm dy=4mm, h= 2.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	IEEE 802.11a U-NII
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-16.00, Y=-32.00 SAR Peak: 1.30 W/kg	
SAR 10g (W/Kg)	0.138629
SAR 1g (W/Kg)	0.336732
	

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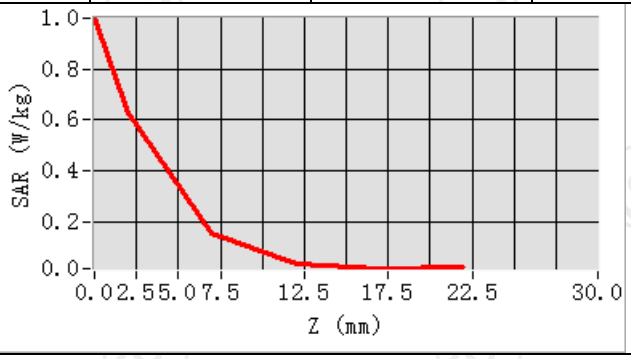
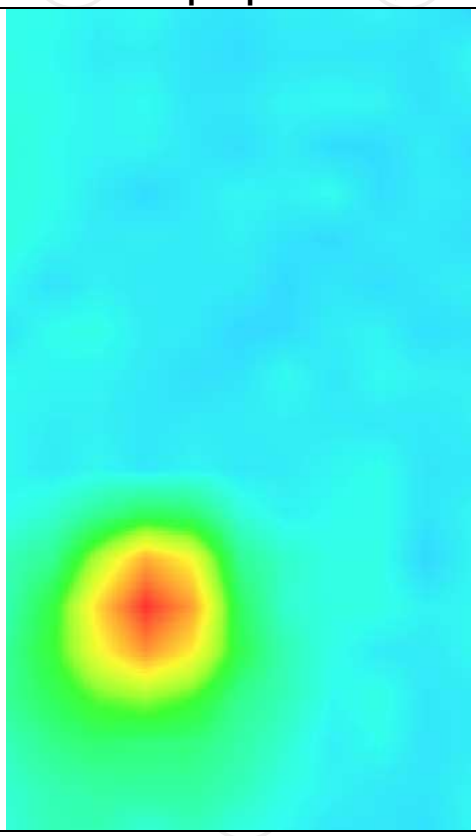
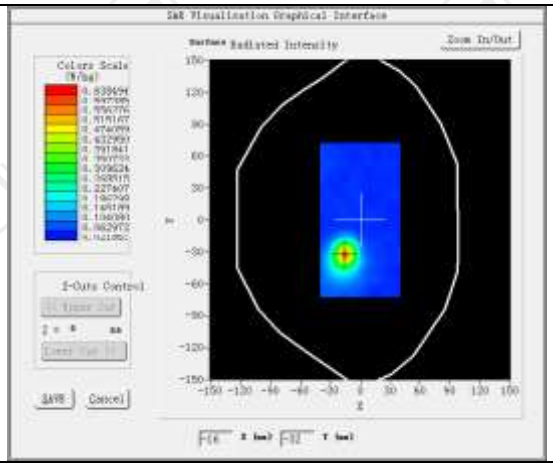
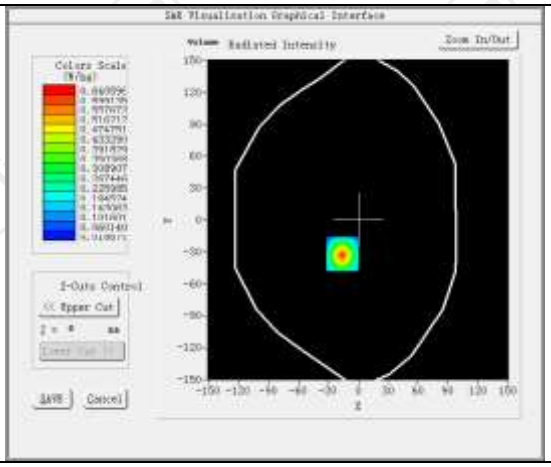
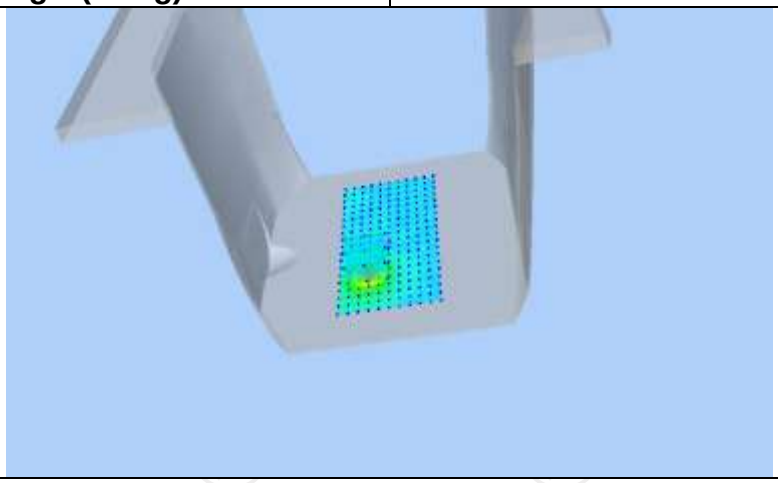
Z (mm)	0.00	2.00	7.00	12.00	17.00
SAR (W/Kg)	0.9989	0.6284	0.1571	0.0336	0.0162



Hot spot position



MEASUREMENT 3	
High Band SAR (Channel 48):	Date: 12/26/2024
Frequency (MHz)	5240.000000
Relative permittivity (real part)	35.980419
Relative permittivity (imaginary part)	13.607164
Conductivity (S/m)	4.820543
Variation (%)	-3.520000
Crest Factor	1.0
Probe Conversion factor	2.01
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=10mm dy=10mm, h= 5.00 mm
ZoomScan	7x7x12,dx=4mm dy=4mm dz=2mm,Complete/ndx=4mm dy=4mm, h= 2.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	IEEE 802.11a U-NII(hotspot)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-16.00, Y=-32.00 SAR Peak: 1.04 W/kg	
SAR 10g (W/Kg)	0.143633
SAR 1g (W/Kg)	0.325586
	

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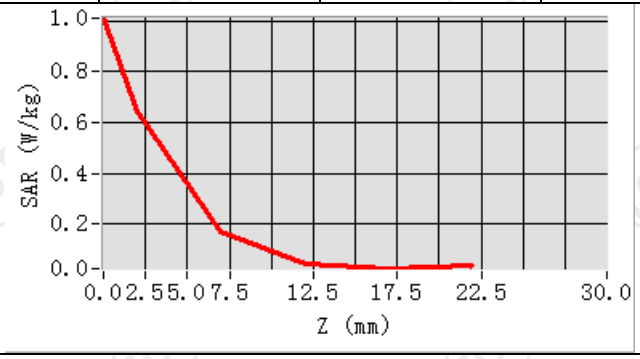
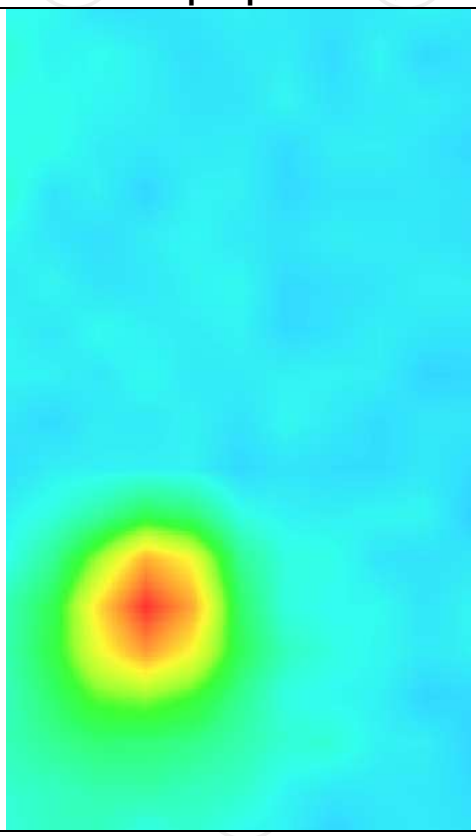
Z (mm)	0.00	2.00	7.00	12.00	17.00
SAR (W/Kg)	1.0103	0.6406	0.1672	0.0409	0.0237



Hot spot position



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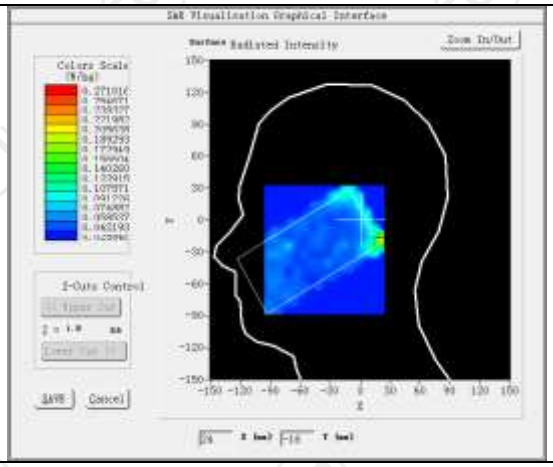
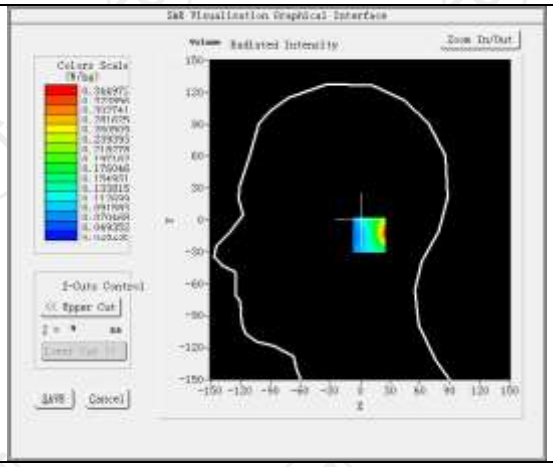
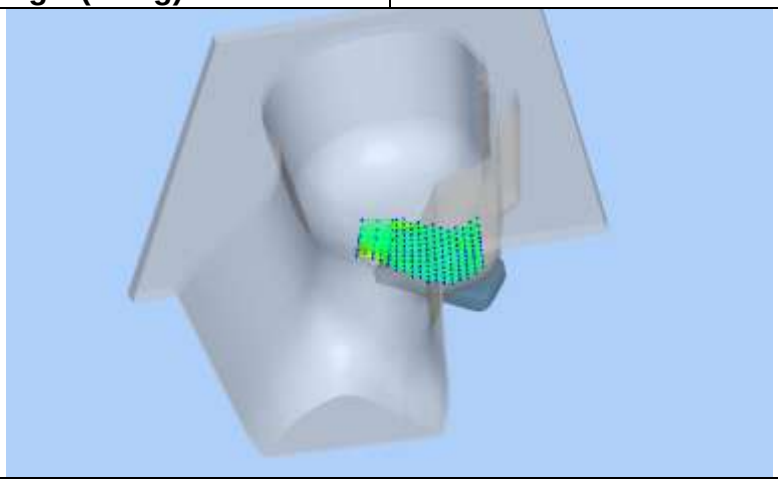
WLAN 5.3G

MEASUREMENT 1	
Low Band SAR (Channel 54):	Date: 12/27/2024
Frequency (MHz)	5270.000000
Relative permittivity (real part)	35.893415
Relative permittivity (imaginary part)	13.594902
Conductivity (S/m)	4.871987
Variation (%)	-4.230000
Crest Factor	1.0
Probe Conversion factor	1.94
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=10mm dy=10mm, h= 5.00 mm
ZoomScan	7x7x12,dx=4mm dy=4mm dz=2mm,Complete/ndx=4mm dy=4mm, h= 2.00 mm
Phantom	Left head
Device Position	Cheek
Band	IEEE 802.11n U-NII
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=16.00, Y=-14.00 SAR Peak: 0.78 W/kg	
SAR 10g (W/Kg)	0.110258
SAR 1g (W/Kg)	0.265725
	

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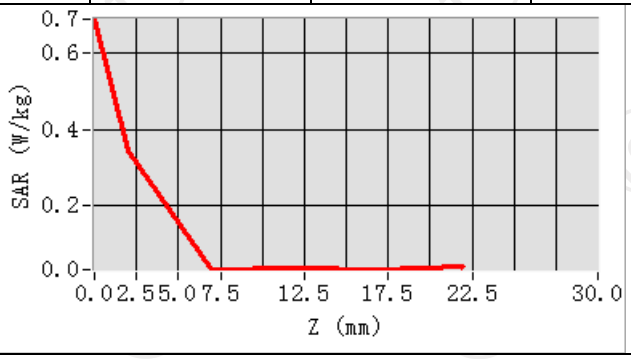
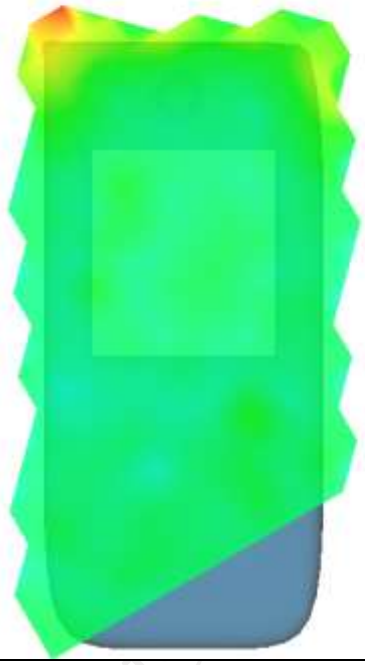
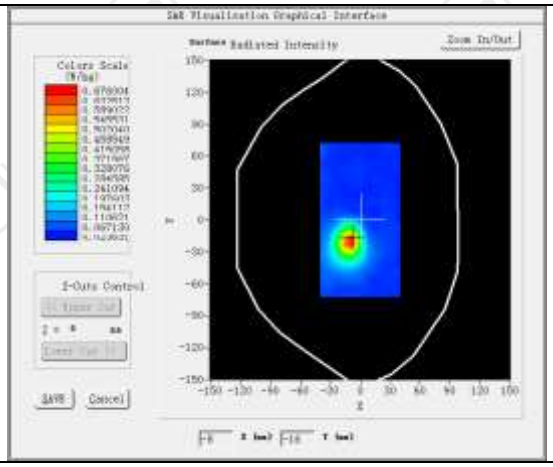
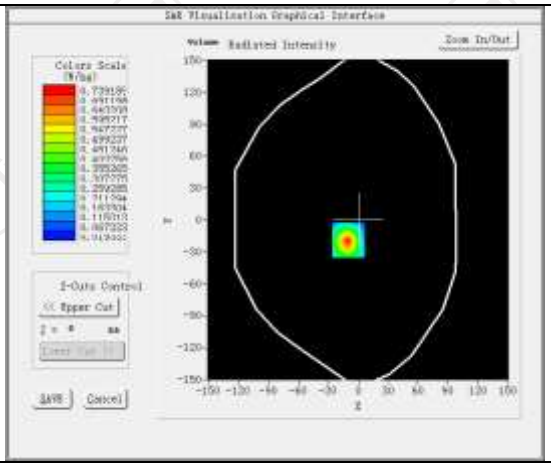
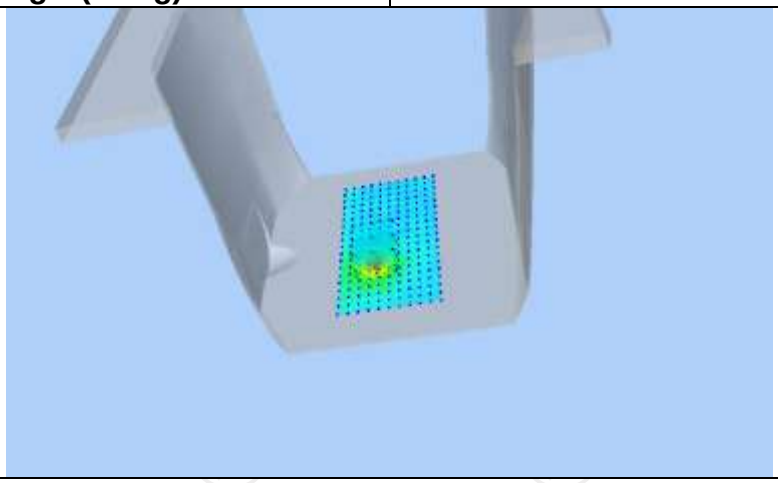
Z (mm)	0.00	2.00	7.00	12.00	17.00
SAR (W/Kg)	0.6877	0.3450	0.0360	0.0366	0.0339



Hot spot position



MEASUREMENT 2	
Low Band SAR (Channel 54):	Date: 12/27/2024
Frequency (MHz)	5270.000000
Relative permittivity (real part)	35.893415
Relative permittivity (imaginary part)	13.594902
Conductivity (S/m)	4.871987
Variation (%)	-3.620000
Crest Factor	1.0
Probe Conversion factor	1.94
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=10mm dy=10mm, h= 5.00 mm
ZoomScan	7x7x12,dx=4mm dy=4mm dz=2mm,Complete/ndx=4mm dy=4mm, h= 2.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	IEEE 802.11n U-NII
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-10.00, Y=-19.00 SAR Peak: 1.22 W/kg	
SAR 10g (W/Kg)	0.175632
SAR 1g (W/Kg)	0.345302
	

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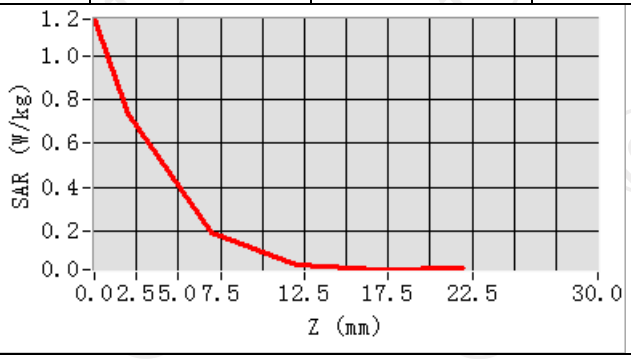
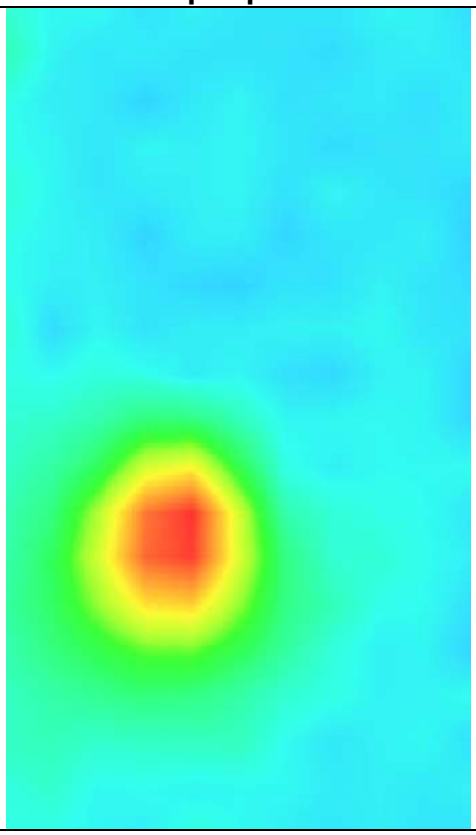
Z (mm)	0.00	2.00	7.00	12.00	17.00
SAR (W/Kg)	1.1730	0.7392	0.1860	0.0402	0.0193



Hot spot position



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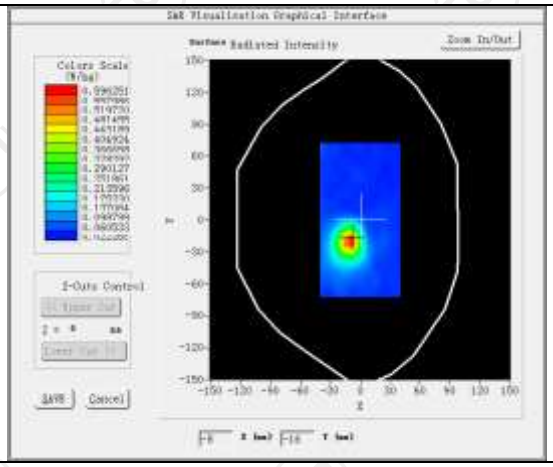
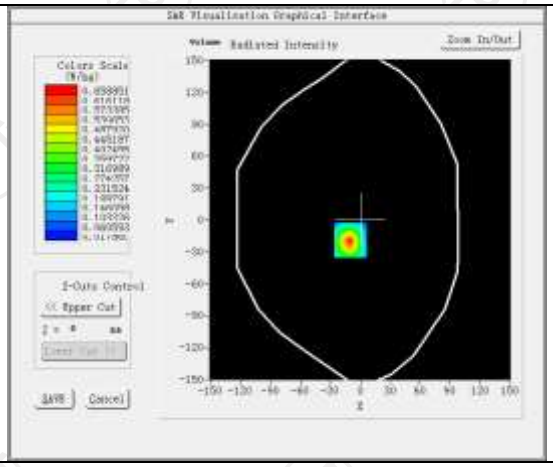
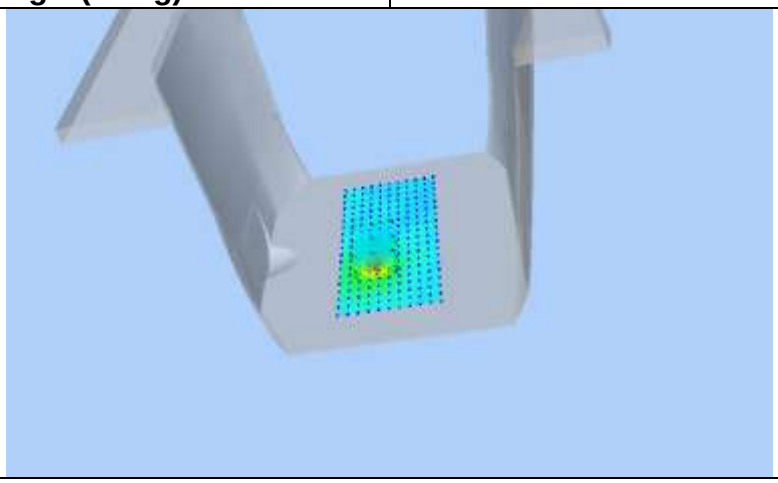
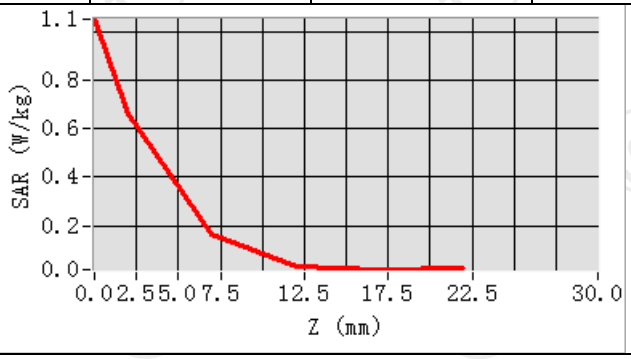
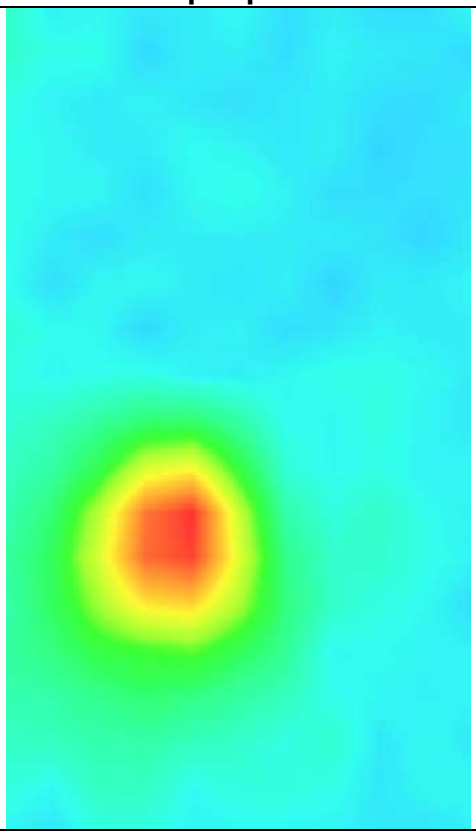
MEASUREMENT 3	
Low Band SAR (Channel 54):	Date: 12/27/2024
Frequency (MHz)	5270.000000
Relative permittivity (real part)	35.893415
Relative permittivity (imaginary part)	13.594902
Conductivity (S/m)	4.871987
Variation (%)	-2.650000
Crest Factor	1.0
Probe Conversion factor	1.94
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=10mm dy=10mm, h= 5.00 mm
ZoomScan	7x7x12,dx=4mm dy=4mm dz=2mm,Complete/ndx=4mm dy=4mm, h= 2.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	IEEE 802.11n U-NII(hotspot)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-10.00, Y=-19.00 SAR Peak: 1.10 W/kg	
SAR 10g (W/Kg)	0.151226
SAR 1g (W/Kg)	0.301342
	

Z (mm)	0.00	2.00	7.00	12.00	17.00
SAR (W/Kg)	1.0530	0.6589	0.1612	0.0341	0.0179



Hot spot position



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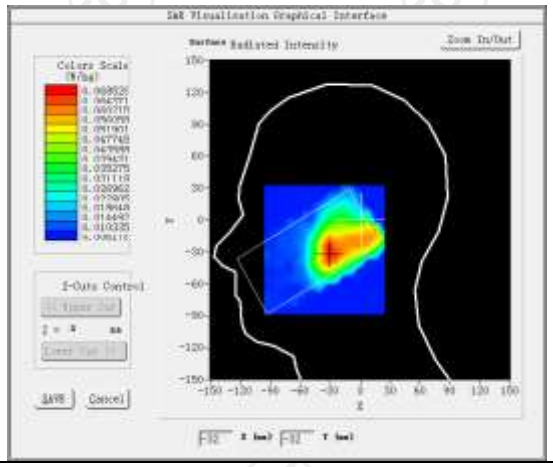
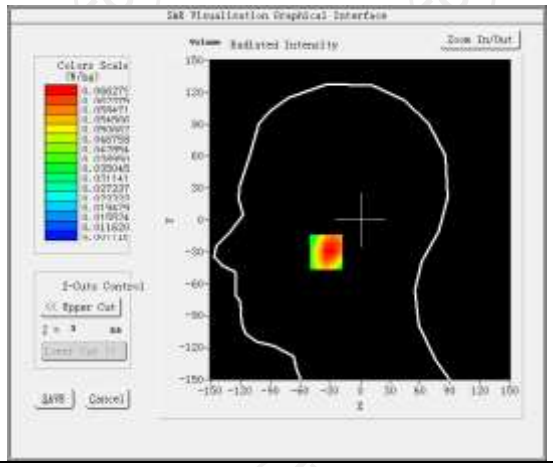
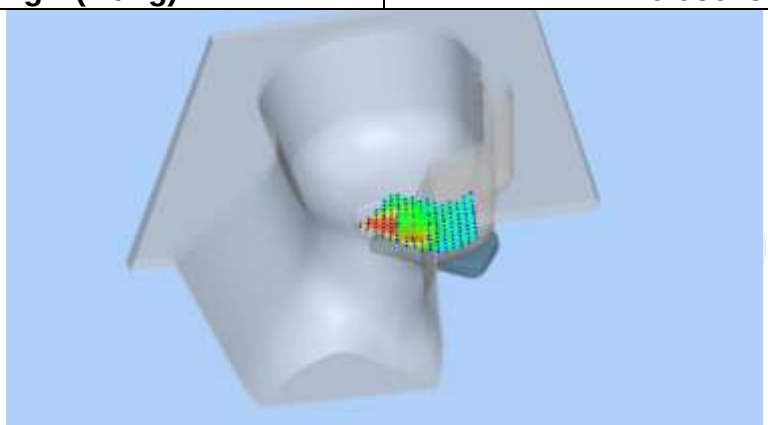
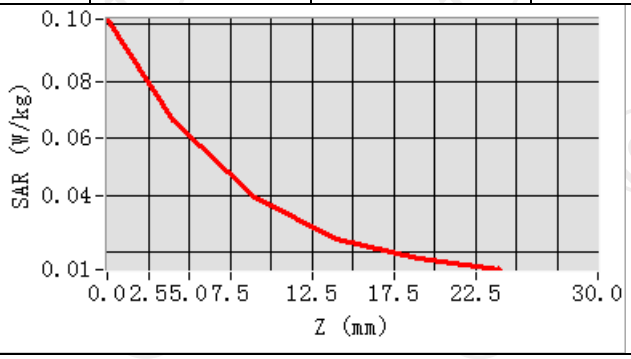
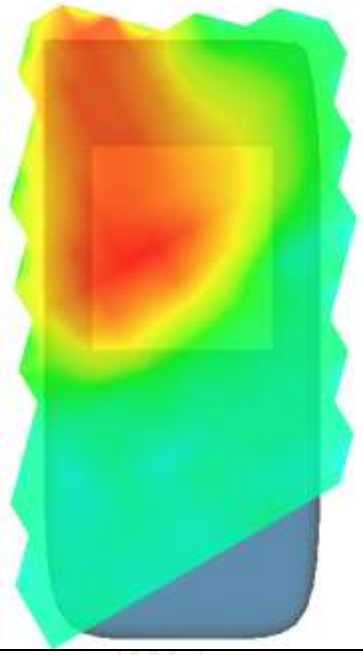
WLAN 5.6G

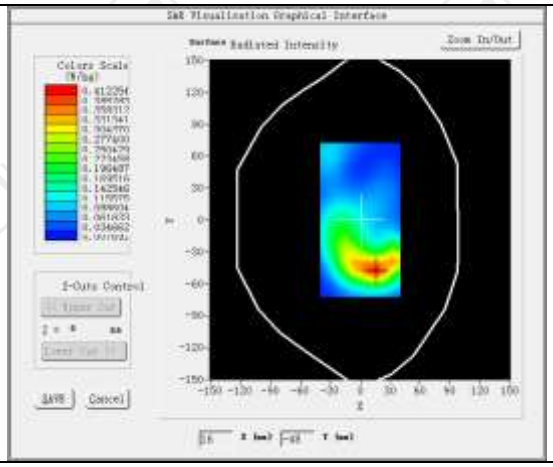
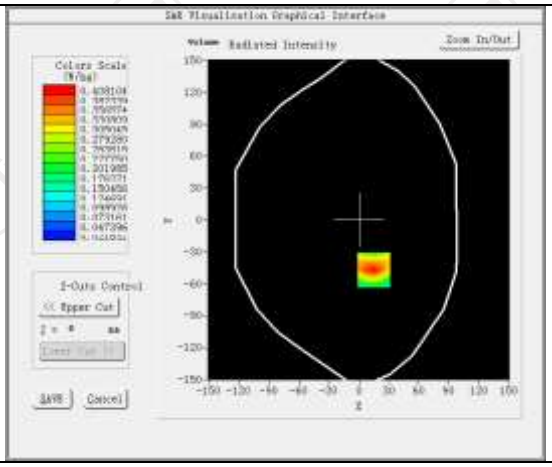
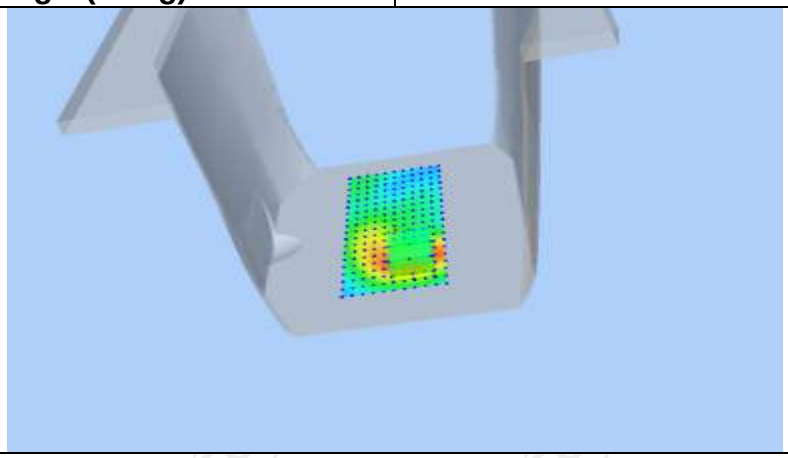
MEASUREMENT 1	
High Band SAR (Channel 122):	Date: 12/30/2024
Frequency (MHz)	5610.000000
Relative permittivity (real part)	35.410881
Relative permittivity (imaginary part)	13.704212
Conductivity (S/m)	5.117238
Variation (%)	-4.060000
Crest Factor	1.0
Probe Conversion factor	2.06
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=10mm dy=10mm, h= 5.00 mm
ZoomScan	7x7x12,dx=4mm dy=4mm dz=2mm,Complete/ndx=4mm dy=4mm, h= 2.00 mm
Phantom	Left head
Device Position	Cheek
Band	IEEE 802.11ac U-NII
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-30.00, Y=-30.00 SAR Peak: 0.10 W/kg	
SAR 10g (W/Kg)	0.058782
SAR 1g (W/Kg)	0.086236
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1019	0.0663	0.0389	0.0245	0.0176



Hot spot position



MEASUREMENT 2	
High Band SAR (Channel 122):	Date: 12/30/2024
Frequency (MHz)	5610.000000
Relative permittivity (real part)	35.410881
Relative permittivity (imaginary part)	13.704212
Conductivity (S/m)	5.117238
Variation (%)	-3.190000
Crest Factor	1.0
Probe Conversion factor	2.06
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=10mm dy=10mm, h= 5.00 mm
ZoomScan	7x7x12,dx=4mm dy=4mm dz=2mm,Complete/ndx=4mm dy=4mm, h= 2.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	IEEE 802.11ac U-NII
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-15.00, Y=-47.00 SAR Peak: 0.60 W/kg	
SAR 10g (W/Kg)	0.122716
SAR 1g (W/Kg)	0.292135
	

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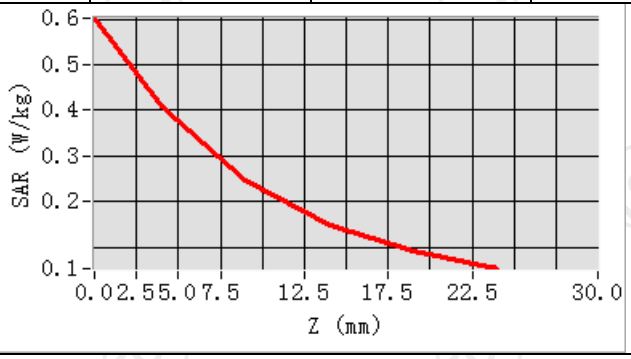
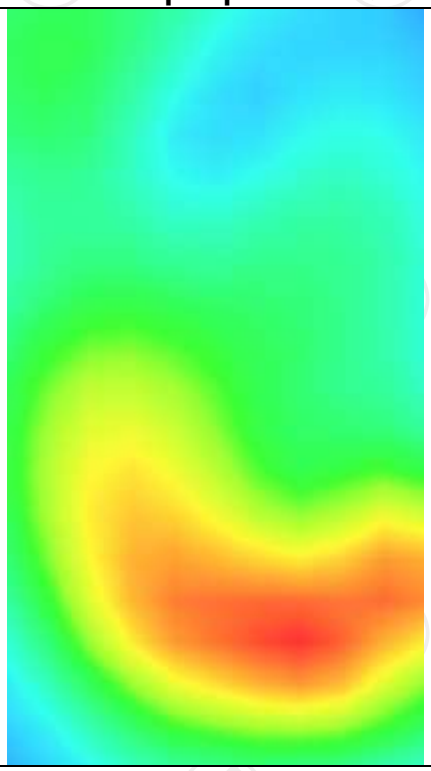
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6022	0.4081	0.2462	0.1483	0.0908



Hot spot position



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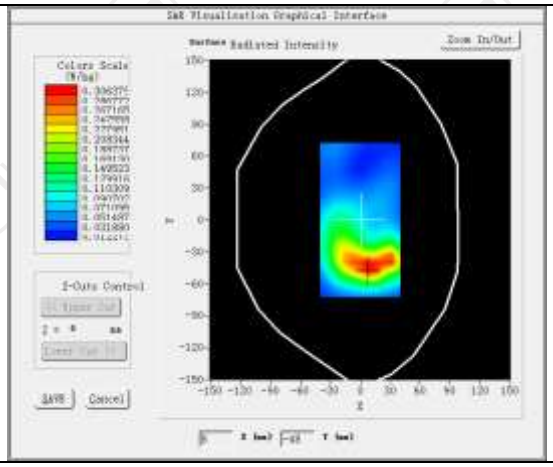
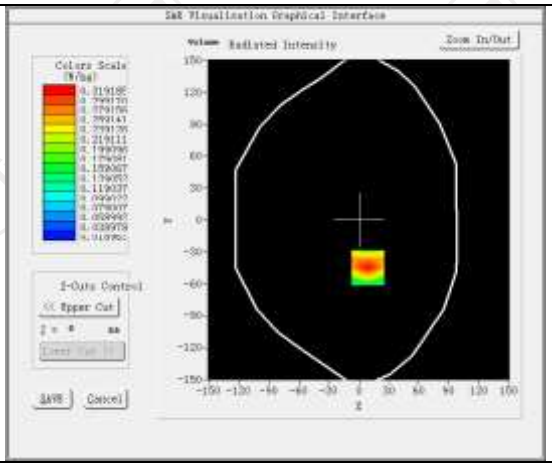
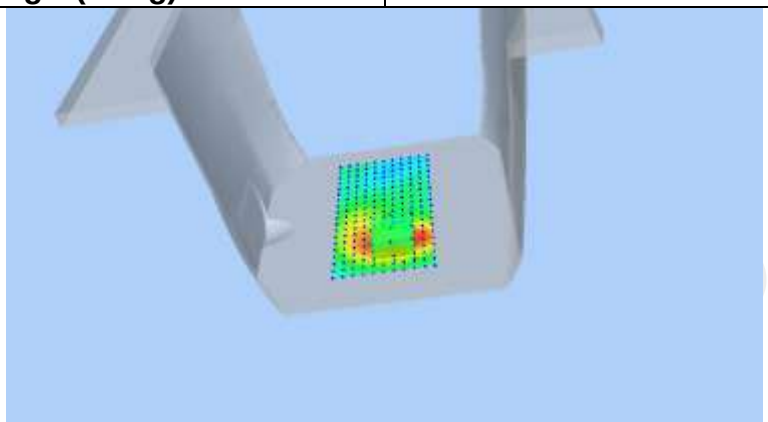
MEASUREMENT 3	
High Band SAR (Channel 122):	Date: 12/30/2024
Frequency (MHz)	5610.000000
Relative permittivity (real part)	35.410881
Relative permittivity (imaginary part)	13.704212
Conductivity (S/m)	5.117238
Variation (%)	4.030000
Crest Factor	1.0
Probe Conversion factor	2.06
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=10mm dy=10mm, h= 5.00 mm
ZoomScan	7x7x12,dx=4mm dy=4mm dz=2mm,Complete/ndx=4mm dy=4mm, h= 2.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	IEEE 802.11ac U-NII(hotspot)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=9.00, Y=-45.00 SAR Peak 0.47 W/kg	
SAR 10g (W/Kg)	0.130732
SAR 1g (W/Kg)	0.251539
	

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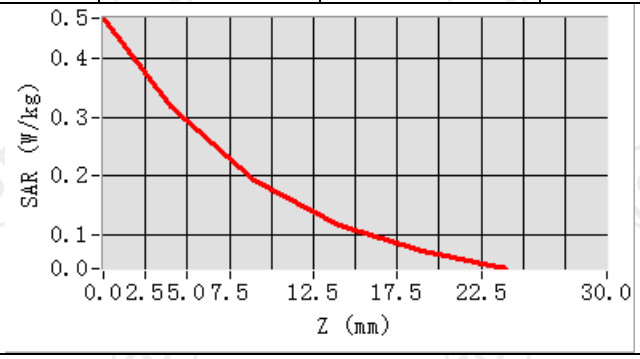
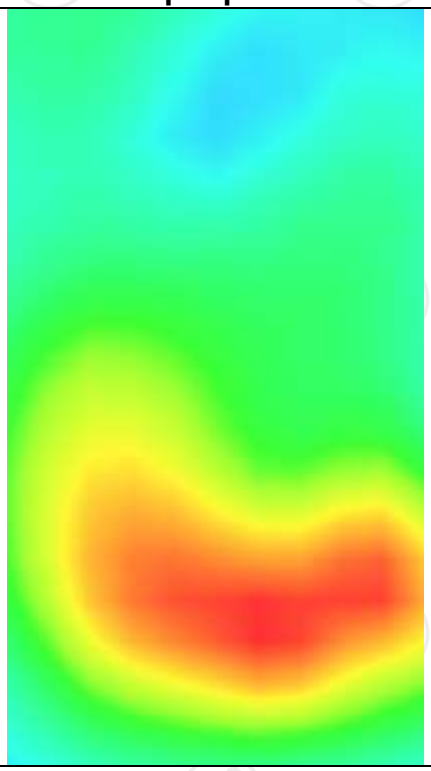
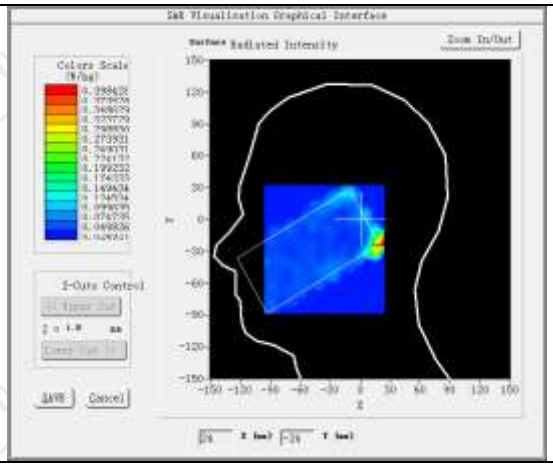
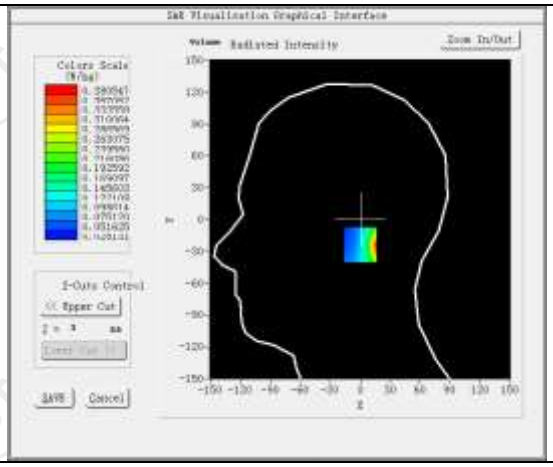
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4689	0.3192	0.1936	0.1172	0.0718

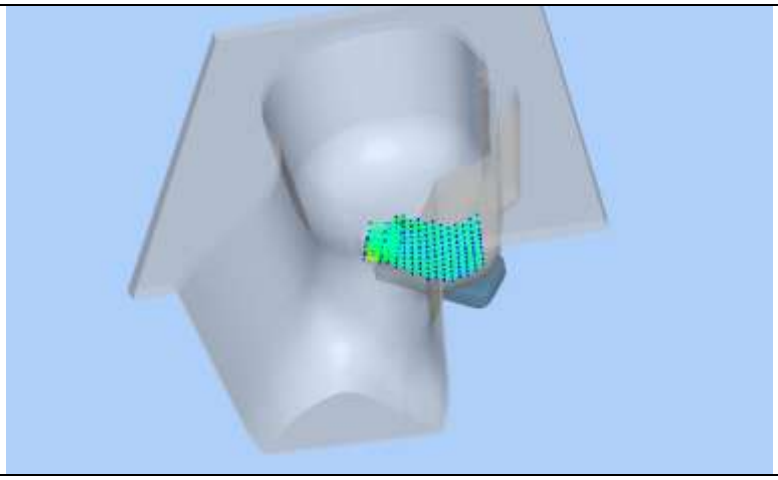


Hot spot position

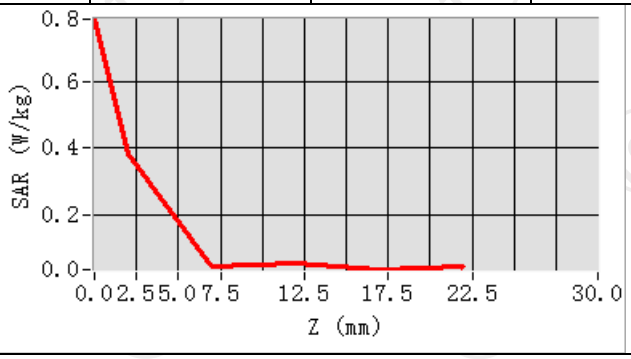


WLAN 5.8G

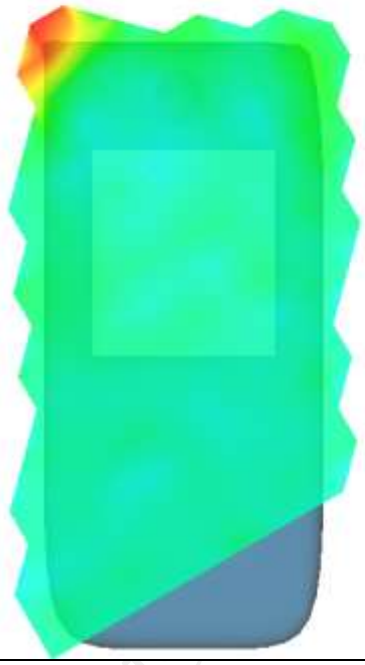
MEASUREMENT 1	
Low Band SAR (Channel 151):	Date: 12/31/2024
Frequency (MHz)	5755.000000
Relative permittivity (real part)	35.255414
Relative permittivity (imaginary part)	13.908311
Conductivity (S/m)	5.273202
Variation (%)	-3.690000
Crest Factor	1.0
Probe Conversion factor	2.06
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=10mm dy=10mm, h= 5.00 mm
ZoomScan	7x7x12,dx=4mm dy=4mm dz=2mm,Complete/ndx=4mm dy=4mm, h= 2.00 mm
Phantom	Left head
Device Position	Cheek
Band	IEEE 802.11n U-NII
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=8.00, Y=-24.00 SAR Peak: 0.78 W/kg	
SAR 10g (W/Kg)	0.112648
SAR 1g (W/Kg)	0.302120

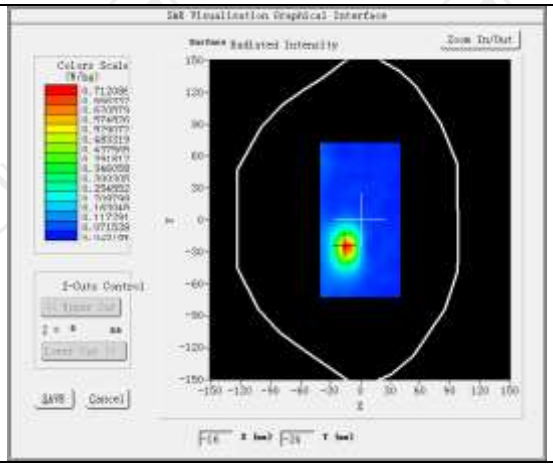
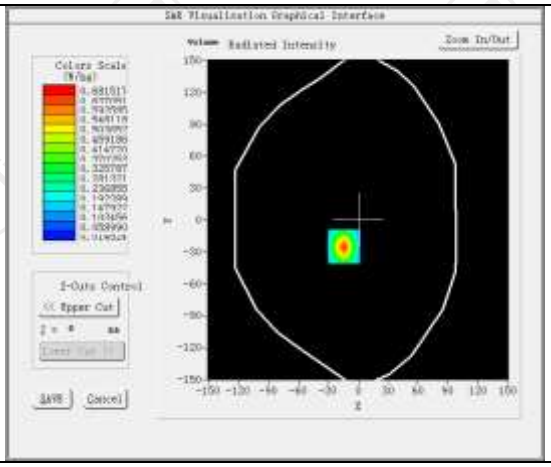
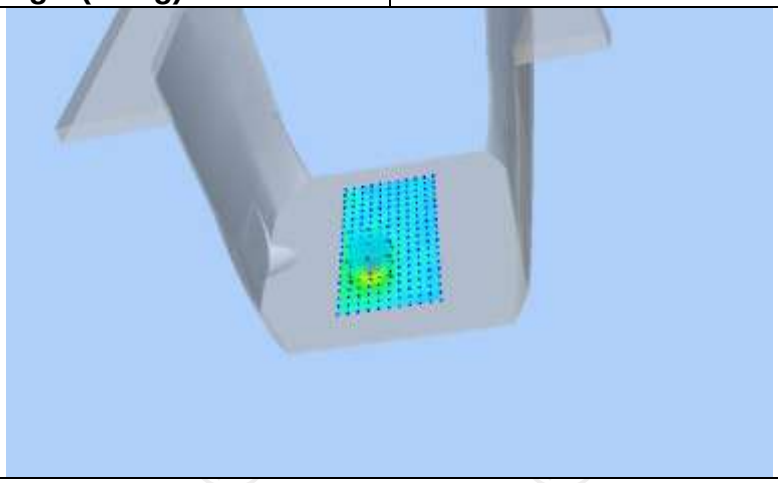


Z (mm)	0.00	2.00	7.00	12.00	17.00
SAR (W/Kg)	0.7860	0.3805	0.0430	0.0568	0.0358



Hot spot position



MEASUREMENT 2	
Low Band SAR (Channel 151):	Date: 12/31/2024
Frequency (MHz)	5755.000000
Relative permittivity (real part)	35.255414
Relative permittivity (imaginary part)	13.908311
Conductivity (S/m)	5.273202
Variation (%)	-2.060000
Crest Factor	1.0
Probe Conversion factor	2.06
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=10mm dy=10mm, h= 5.00 mm
ZoomScan	7x7x12,dx=4mm dy=4mm dz=2mm,Complete/ndx=4mm dy=4mm, h= 2.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	IEEE 802.11n U-NII
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-14.00, Y=-25.00 SAR Peak: 1.18 W/kg	
SAR 10g (W/Kg)	0.148415
SAR 1g (W/Kg)	0.341621
	

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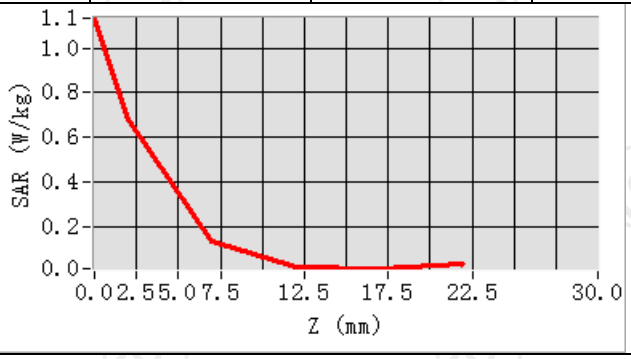
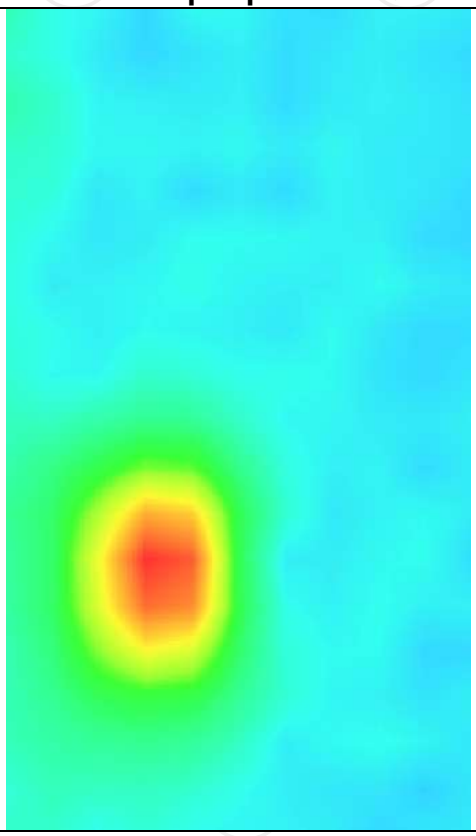
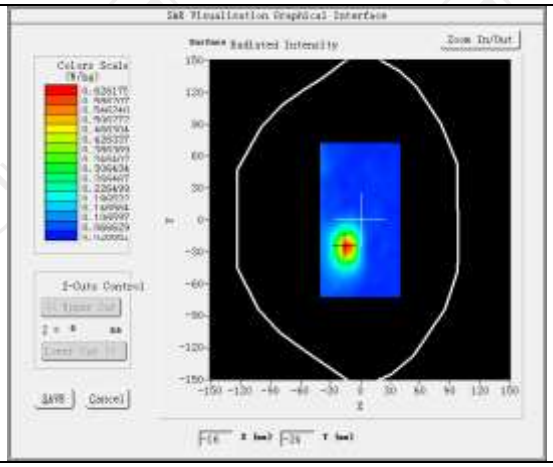
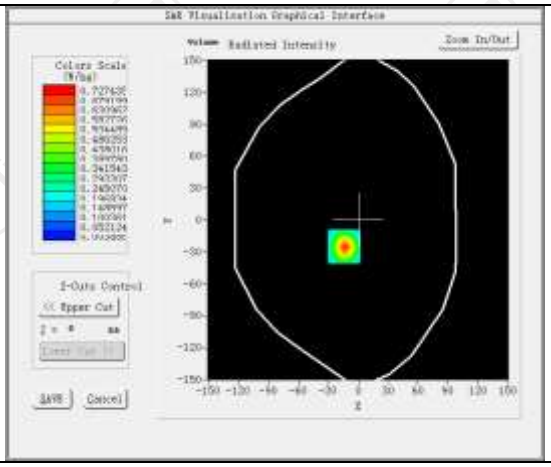
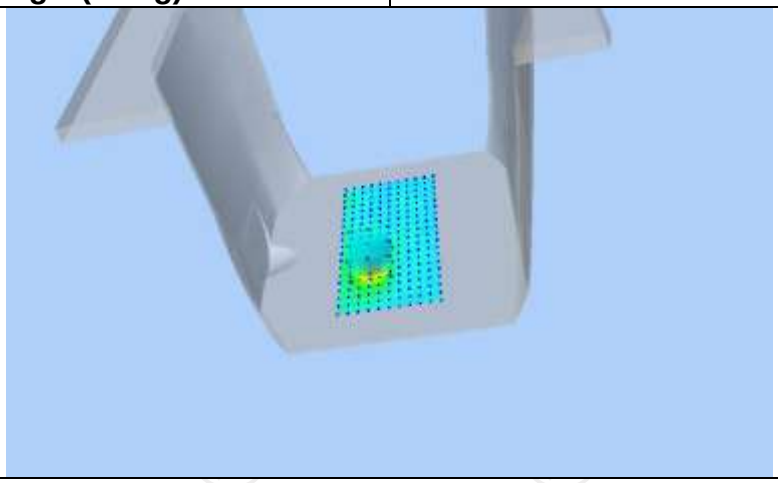
Z (mm)	0.00	2.00	7.00	12.00	17.00
SAR (W/Kg)	1.1334	0.6815	0.1391	0.0222	0.0145



Hot spot position



MEASUREMENT 3	
Low Band SAR (Channel 151):	Date: 12/31/2024
Frequency (MHz)	5755.000000
Relative permittivity (real part)	35.255414
Relative permittivity (imaginary part)	13.908311
Conductivity (S/m)	5.273202
Variation (%)	3.210000
Crest Factor	1.0
Probe Conversion factor	2.06
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=10mm dy=10mm, h= 5.00 mm
ZoomScan	5x5x7,dx=4mm dy=4mm dz=2mm,Complete/ndx=4mm dy=4mm, h= 2.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	IEEE 802.11n U-NII(hotspot)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-14.00, Y=-25.00 SAR Peak: 1.27 W/kg	
SAR 10g (W/Kg)	0.161749
SAR 1g (W/Kg)	0.312936
	

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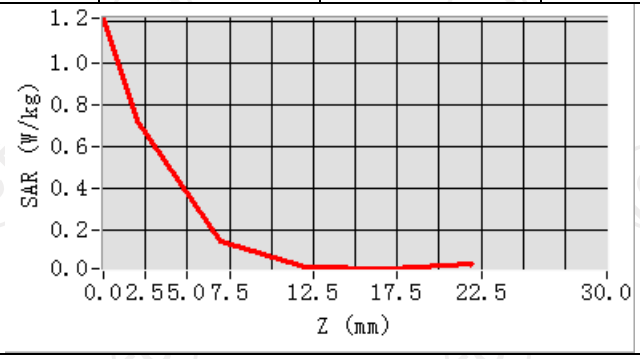
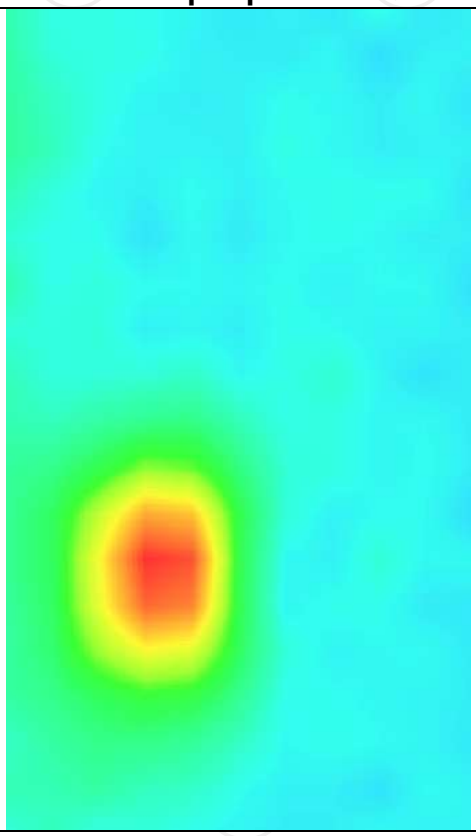
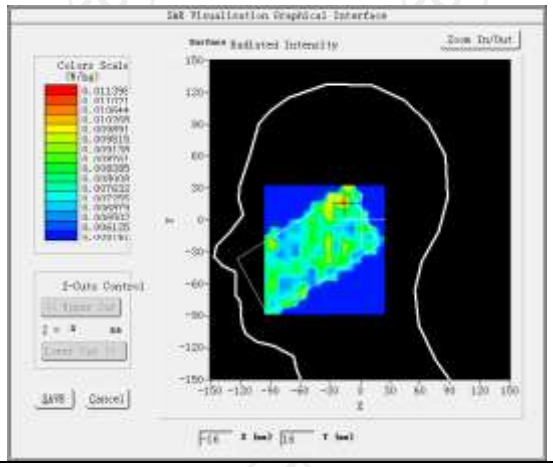
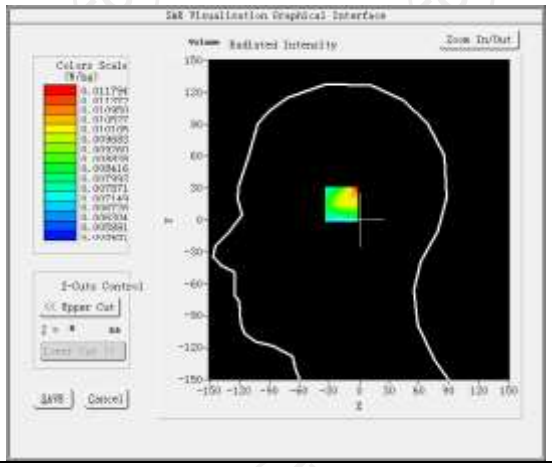
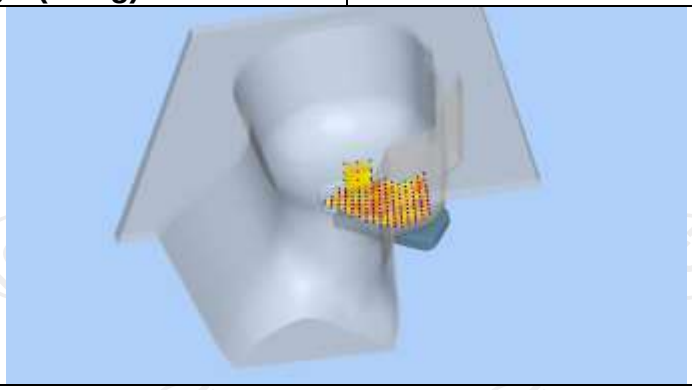
Z (mm)	0.00	2.00	7.00	12.00	17.00
SAR (W/Kg)	1.2176	0.7274	0.1434	0.0209	0.0135



Hot spot position



Bluetooth

MEASUREMENT 1	
Middle Band SAR (Channel 39):	Date: 12/23/2024
Frequency (MHz)	2441.000000
Relative permittivity (real part)	39.036121
Relative permittivity (imaginary part)	13.460971
Conductivity (S/m)	1.786272
Variation (%)	-1.980000
Crest Factor	1.0
Probe Conversion factor	2.31
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=12mm dy=12mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	Bluetooth
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-16.00, Y=16.00 SAR Peak: 0.02 W/kg	
SAR 10g (W/Kg)	0.009792
SAR 1g (W/Kg)	0.015425
	

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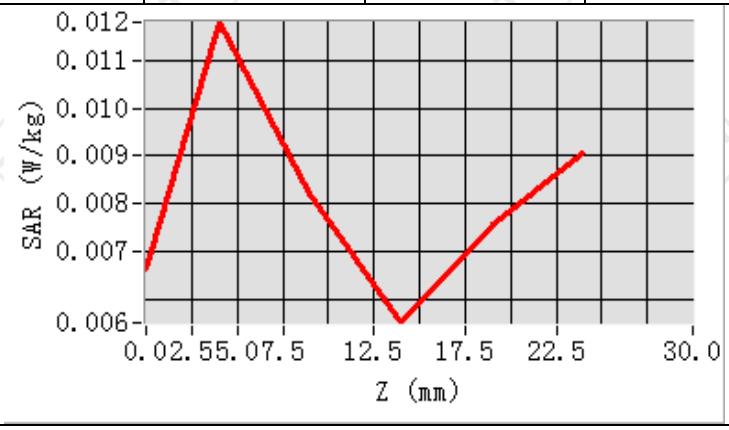
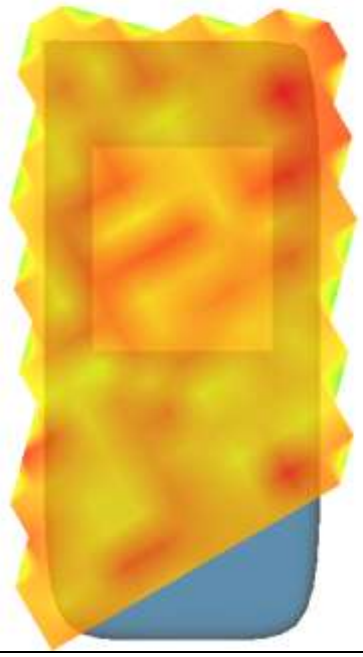
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0067	0.0118	0.0082	0.0055	0.0076



Hot spot position



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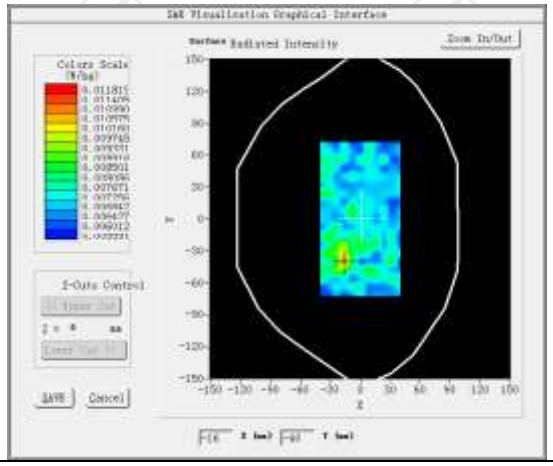
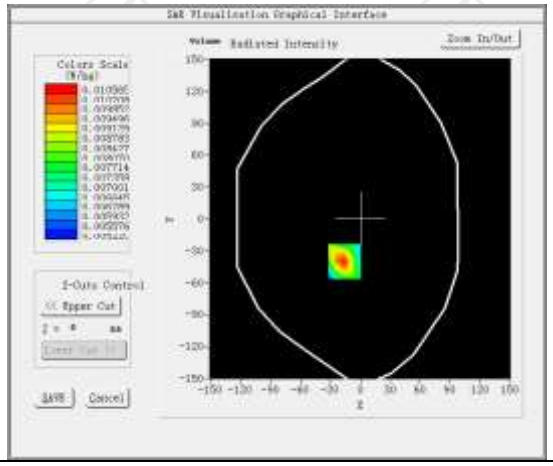
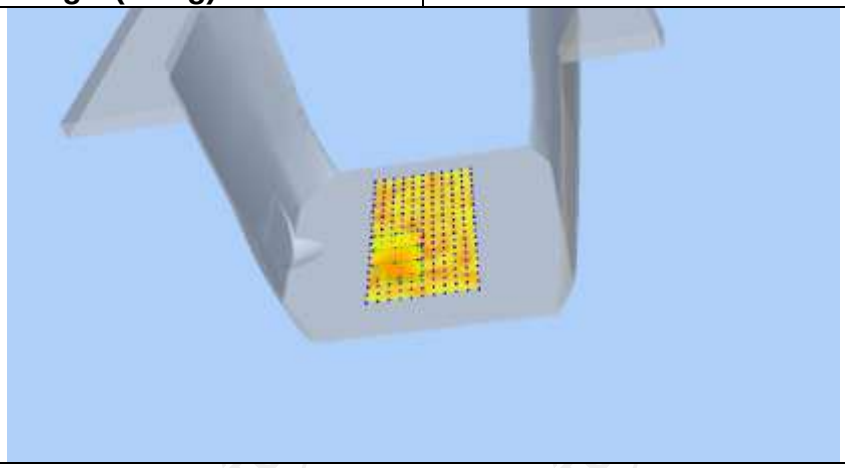
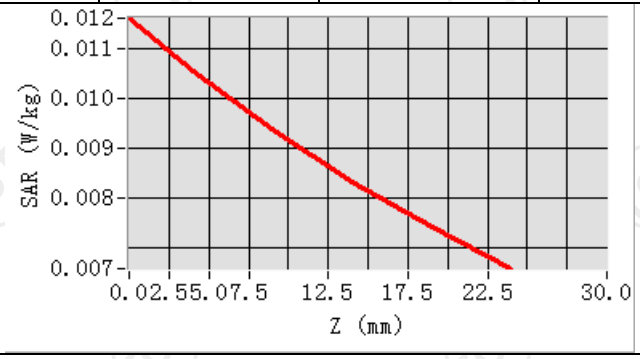
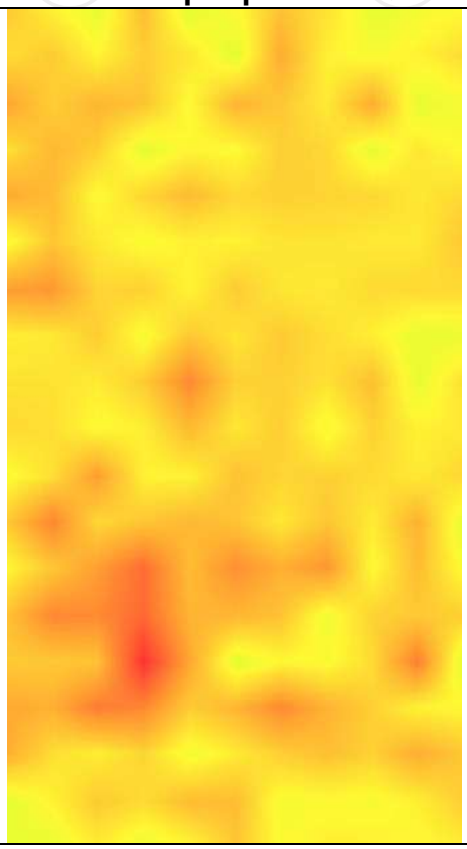
MEASUREMENT 2	
Middle Band SAR (Channel 39):	Date: 12/23/2024
Frequency (MHz)	2441.000000
Relative permittivity (real part)	39.036121
Relative permittivity (imaginary part)	13.460971
Conductivity (S/m)	1.786272
Variation (%)	2.490000
Crest Factor	1.0
Probe Conversion factor	2.31
E-Field Probe:	SSE2 (SN 25/22 EPGO375)
Area Scan	dx=12mm dy=12mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	Bluetooth
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-16.00, Y=-40.00 SAR Peak: 0.01 W/kg	
SAR 10g (W/Kg)	0.008865
SAR 1g (W/Kg)	0.013736
	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0116	0.0106	0.0094	0.0083	0.0074



Hot spot position



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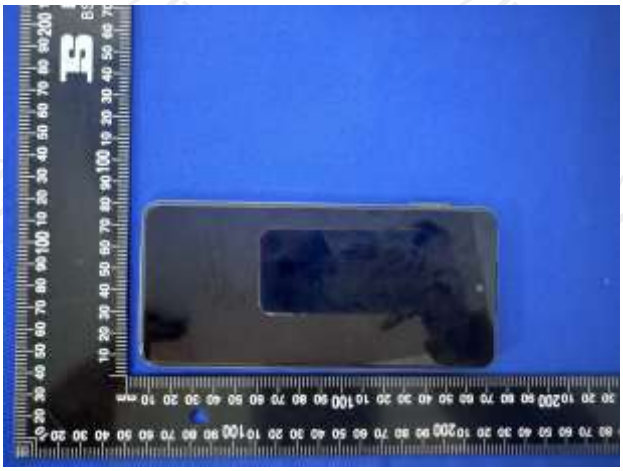
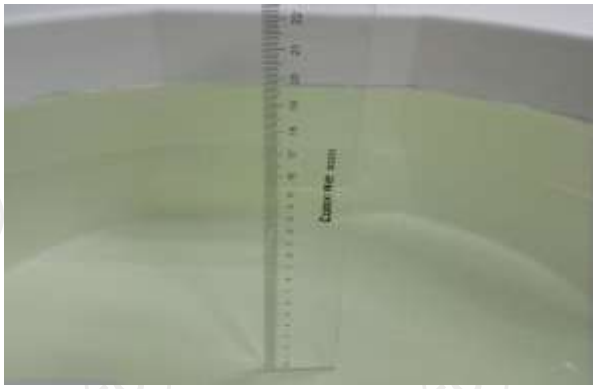
Appendix A: EUT Photos

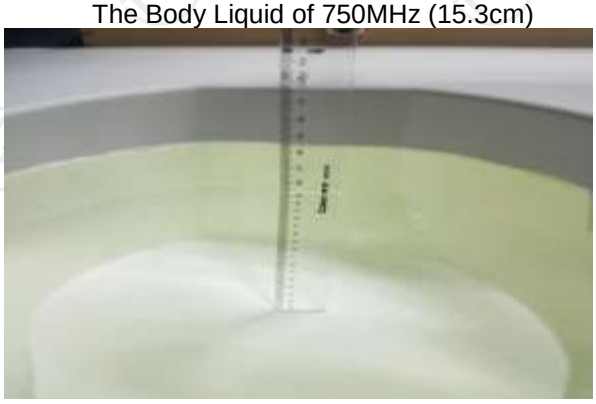


Liquid depth

The Body Liquid of 750MHz (15.3cm)

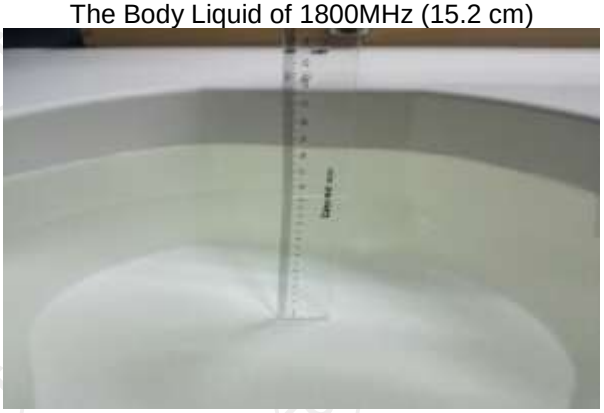


The Body Liquid of 835MHz (15.4cm)



The Body Liquid of 1800MHz (15.2 cm)

The Body Liquid of 1900MHz (16.4 cm)



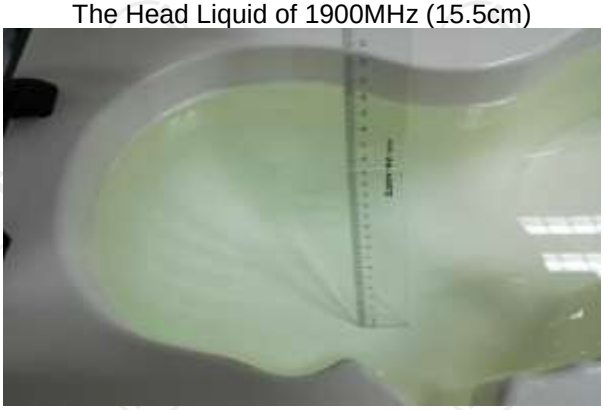
The Body Liquid of 2450MHz (15.3cm)

The Body Liquid of 2600MHz (16.5cm)

The Body Liquid of 5000-6000MHz (16.5cm)

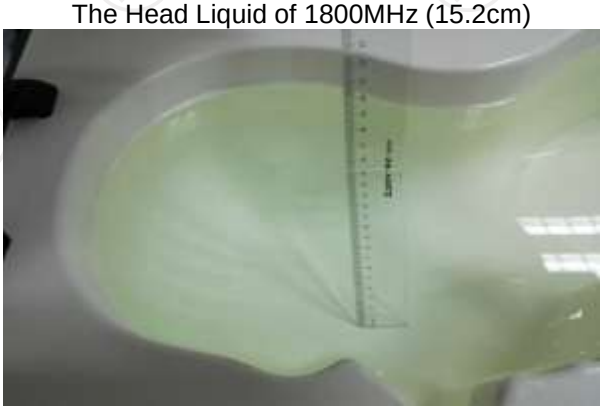

The Head Liquid of 1900MHz (15.5cm)


The Head Liquid of 2450MHz (15.6cm)


The Head Liquid of 835MHz (15.3cm)


The Head Liquid of 1800MHz (15.2cm)

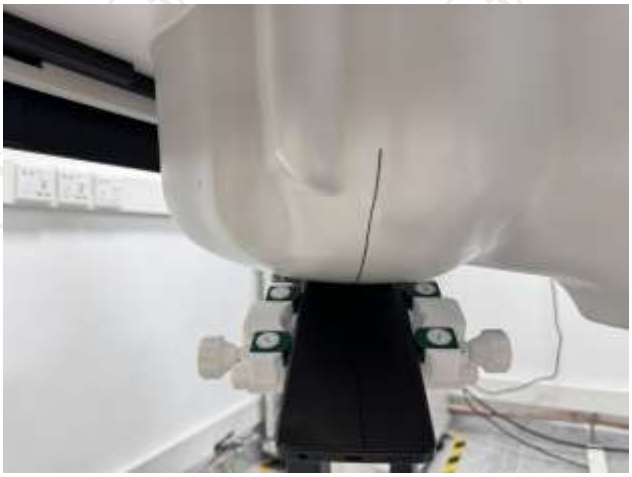

The Head Liquid of 2600MHz (15.1cm)


The Head Liquid of 750MHz (15.3cm)

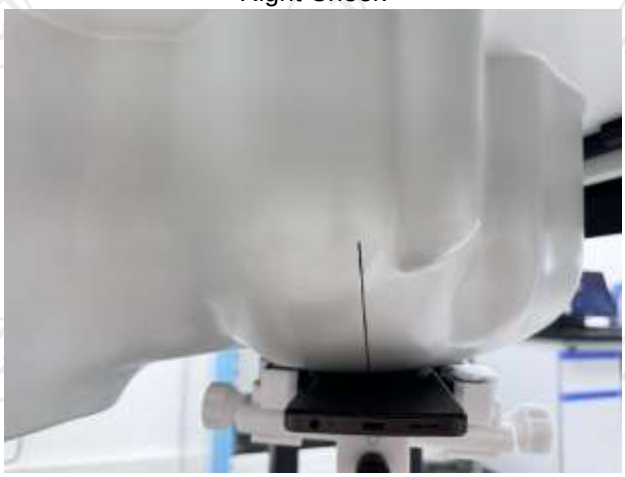

The Body Liquid of 5000-6000MHz MHz (15.8cm)

Appendix B: Test Setup Photos

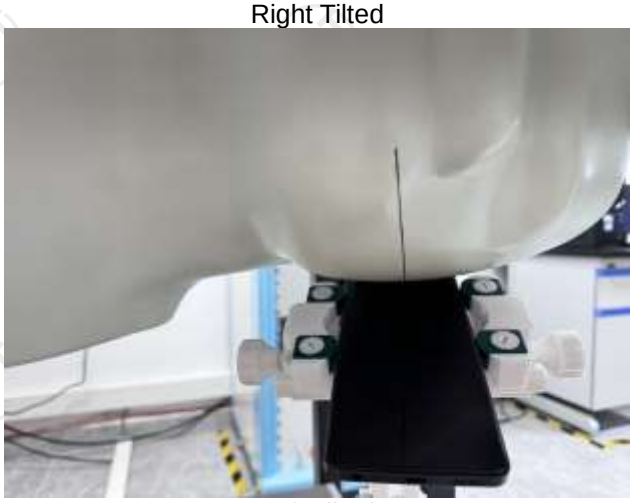
Right Cheek



Right Tilted

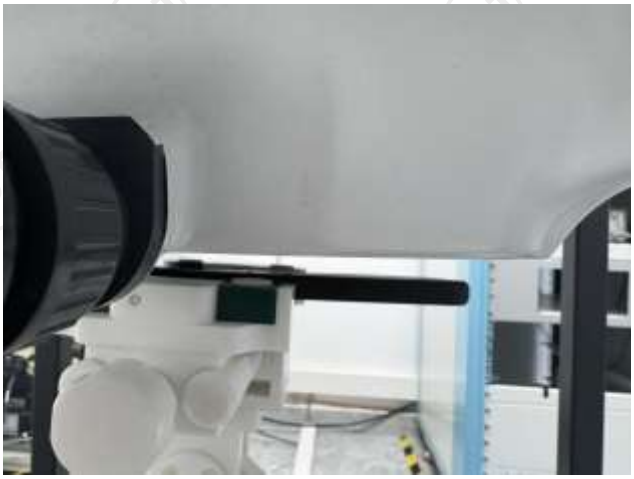


Left Cheek



Left Tilted

Body worn – Front (10mm)



Body worn – Back (10mm)