

FCC SAR EVALUATION REPORT

**In accordance with the requirements of
FCC 47 CFR Part 2(2.1093) and
IEEE Std 1528-2013**

Product Name : 4G Smart Feature Phone

Brand Name : KIWISUMI

Model Name : ARMOR 40A

Family Model : N/A

Report No. : N26021003018E

FCC ID : 2BW29-ARMOR40A

Prepared for

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Yuehai Cummunity, Nanshan District, Shenzhen, China**Product description**

Product name 4G Smart Feature Phone

Brand Name ARMOR 40A

Model and/or type
reference KIWISUMI

Family Model N/A

FCC 47 CFR Part 2(2.1093)

Standards IEEE Std 1528-2013

Published RF exposure KDB procedures

This device described above has been tested by Shenzhen NTEK. In accordance with the measurement methods and procedures specified in IEEE Std 1528-2013 and KDB 865664 D01. Testing has shown that this device is capable of compliance with localized specific absorption rate (SAR) specified in FCC 47 CFR Part 2(2.1093). The test results in this report apply only to the tested sample of the stated device/equipment. Other similar device/equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

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Test Sample Number S2603020072-1#

Date of Test

Date (s) of performance of tests .. Mar. 03, 2026~ Mar. 19, 2026

Date of Issue Jun. 30, 2026

Test Result..... **Pass**Prepared
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※ ※ Revision History ※ ※

REV.	DESCRIPTION	ISSUED DATE	REMARK
Rev.1.0	Initial Test Report Release	Jun. 30, 2026	Owen Xiao

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1. General Information

1.1. RF exposure limits

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

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.4	8.0	20.0

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

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.08	1.6	4.0

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

Occupational/Controlled Environments:

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

General Population/Uncontrolled Environments:

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

NOTE

HEAD AND TRUNK LIMIT

1.6 W/kg , EXTREMITY LIMIT 4.0 W/kg

APPLIED TO THIS EUT

1.2. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for ARMOR 40A are as follows.

RF Exposure Conditions		Equipment Class -Highest Reported SAR (W/kg)				Max. Reported SAR (W/kg)
		PCE	DTS	NII	DSS	
1-g Head		0.287	0.500	0.560	0.084	0.560
1-g Body-Worn (Separation distance of 10mm)		0.492	0.330	0.579	0.042	0.666
1-g Hotspot (Separation distance of 10mm)		0.666	0.332	0.579	0.042	
Max Simultaneous Tx	Head	0.847	0.787	0.847	0.371	0.847
	Body-Worn	1.071	0.822	1.071	0.534	1.071
	Hotspot	1.071	0.822	1.071	0.666	

Note: The Max Simultaneous Tx is calculated based on the same configuration and test position.

This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC 47 CFR Part 2(2.1093), and had been tested in accordance with the measurement methods and procedures specified in IEEE Std 1528-2013 & KDB 865664 D01.

1.3. EUT Description

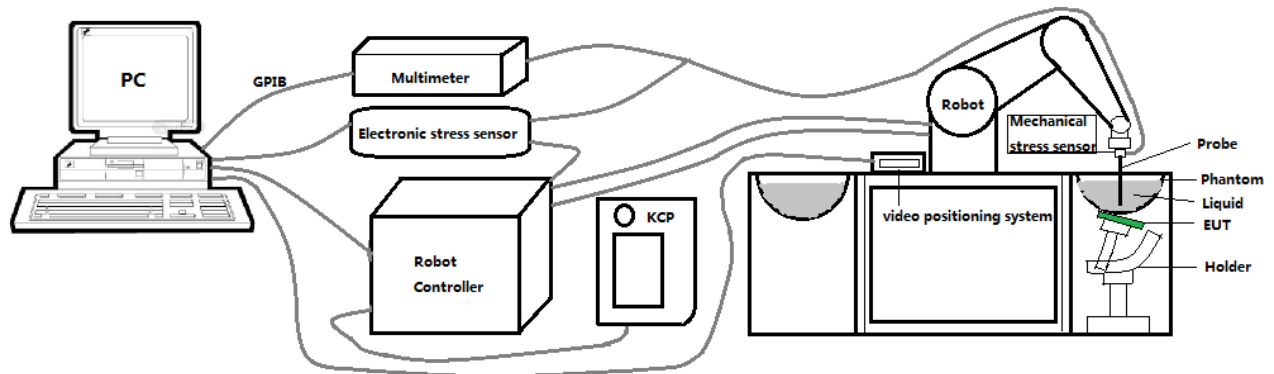
Device Information	
Product Name	4G Smart Feature Phone
Brand Name	KIWISUMI
Model Name	ARMOR 40A
Family Model	N/A
Model Difference	N/A
FCC ID	2BW29-ARMOR40A
Device Phase	Identical Prototype
Exposure Category	General population / Uncontrolled environment
Antenna Type	PIFA Antenna
Battery Information	DC 3.85V, 5000mAh, 19.25Wh
HW Version	ZHT501-615_MB_V0.1
SW Version	N/A
Device Operating Configurations	
Supporting Mode(s)	GSM850/1900,WCDMABand2/4/5,LTEBand2/4/5/7/12/17/41 WLAN 2.4G/5G, Bluetooth
Test Modulation	GSM(GMSK),WCDMA(QPSK),LTE(QPSK/16QAM),WLAN(DSSS/OFDM), Bluetooth(GFSK, $\pi/4$ -DQPSK, 8DPSK)

Device Class	B		
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	GSM 850	824-849	869-894
	GSM 1900	1850-1910	1930-1990
	WCDMA Band 2	1850-1910	1930-1990
	WCDMA Band 4	1710-1755	2110-2155
	WCDMA Band 5	824-849	869-894
	LTE Band 2	1850-1910	1930-1990
	LTE Band 4	1710-1755	2110-2155
	LTE Band 5	824-849	869-894
	LTE Band 7	2500-2570	2620-2690
	LTE Band 12	699-716	729-746
	LTE Band 17	704-716	734-746
	LTE Band 41	2496-2690	
	WLAN 2.4G	2412-2462	
	WLAN 5.2G	5180-5240	
	WLAN 5.8G	5745-5825	
	Bluetooth	2402-2480	
Power Class	4, tested with power level 5(GSM 850)		
	1, tested with power level 0(GSM 1900)		
	3, tested with power control “all 1”(WCDMA Band 2)		
	3, tested with power control “all 1”(WCDMA Band 4)		
	3, tested with power control “all 1”(WCDMA Band 5)		
	3, tested with power control all Max.(LTE Band 2)		
	3, tested with power control all Max.(LTE Band 4)		
	3, tested with power control all Max.(LTE Band 5)		
	3, tested with power control all Max.(LTE Band 7)		
	3, tested with power control all Max.(LTE Band 12)		
	3, tested with power control all Max.(LTE Band 17)		
	3, tested with power control all Max.(LTE Band 41)		

CNAS Lab. : The Certificate Registration Number is L5516
A2LA Lab. : The Certificate Registration Number is 4298.01
FCC Accredited : Test Firm Registration Number: 463705
Designation Number: CN1184
ISED Registration : Company Number: 9270A
CAB identifier: CN0074

2. SAR Measurement System

2.1. SATIMO SAR Measurement Set-up Diagram



These measurements were performed with the automated near-field scanning system OPENSAR from SATIMO. The system is based on a high precision robot (working range: 901 mm), which positions the probes with a positional repeatability of better than ± 0.03 mm. The SAR measurements were conducted with dosimetric probe (manufactured by SATIMO), designed in the classical triangular configuration and optimized for dosimetric evaluation.

The first step of the field measurement is the evaluation of the voltages induced on the probe by the device under test. Probe diode detectors are nonlinear. Below the diode compression point, the output voltage is proportional to the square of the applied E-field; above the diode compression point, it is linear to the applied E-field. The compression point depends on the diode, and a calibration procedure is necessary for each sensor of the probe.

The Keithley multimeter reads the voltage of each sensor and send these three values to the PC. The corresponding E field value is calculated using the probe calibration factors, which are stored in the working directory. This evaluation includes linearization of the diode characteristics. The field calculation is done separately for each sensor. Each component of the E field is displayed on the "Dipole Area Scan Interface" and the total E field is displayed on the "3D Interface"

2.2. Robot

The SATIMO SAR system uses the high precision robots from KUKA. For the 6-axis controller system, the robot controller version (KUKA) from KUKA is used. The KUKA robot series have many features that are important for our application:



- High precision (repeatability ± 0.03 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)

2.3. E-Field Probe

This E-field detection probe is composed of three orthogonal dipoles linked to special Schottky diodes with low detection thresholds. The probe allows the measurement of electric fields in liquids such as the one defined in the IEEE and CENELEC standards.

For the measurements the Specific Dosimetric E-Field Probe 4024-EPGO-448 with following specifications is used



- Dynamic range: 0.01-100 W/kg
- Tip Diameter : 2.5 mm
- Distance between probe tip and sensor center: 1 mm
- Distance between sensor center and the inner phantom surface: 2 mm (repeatability better than ± 1 mm).
- Probe linearity: ± 0.06 dB
- Axial isotropy: ± 0.01 dB
- Hemispherical Isotropy: ± 0.01 dB
- Calibration range: 650MHz to 5900MHz for head & body simulating liquid.
- Lower detection limit: 8mW/kg

Angle between probe axis (evaluation axis) and surface normal line: less than 30° .

2.3.1. E-Field Probe Calibration

Each probe needs to be calibrated according to a dosimetric assessment procedure with accuracy better than $\pm 10\%$. The spherical isotropy shall be evaluated and within ± 0.25 dB. The sensitivity parameters (Norm X, Norm Y, and Norm Z), the diode compression parameter (DCP) and the conversion factor (Conv F) of the probe are tested. The calibration data can be referred to appendix D of this report.

2.4. SAM phantoms

Photo of SAM phantom SN 16/15 SAM119

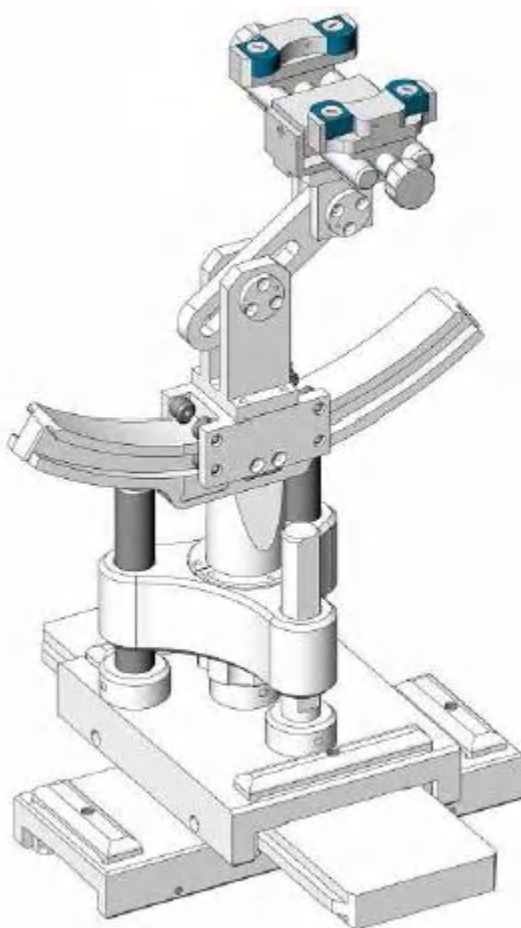


The SAM phantom is used to measure the SAR relative to people exposed to electro-magnetic field radiated by Mobile Phones.

The test, based on ultrasonic system, allows measuring the thickness with an accuracy of 10 μm .

2.5. Device Holder

The positioning system allows obtaining cheek and tilting position with a very good accuracy. In compliance with CENELEC, the tilt angle uncertainty is lower than 1 degree.



Serial Number	Holder Material	Permittivity	Loss Tangent
SN 16/15 MSH100	Delrin	3.7	0.005

2.6. Test Equipment List

This table gives a complete overview of the SAR measurement equipment.

Devices used during the test described are marked ☒

	Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
					Last Cal.	Due Date
☒	MVG	E FIELD PROBE	SSE2	0725-EPGO-448	Apr. 15, 2025	Apr. 14, 2026
☒	MVG	750 MHz Dipole	SID750	SN 03/15 DIP 0G750-355	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	835 MHz Dipole	SID835	SN 03/15 DIP 0G835-347	Feb. 21, 2024	Feb. 20, 2027
☐	MVG	900 MHz Dipole	SID900	SN 03/15 DIP 0G900-348	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	1800 MHz Dipole	SID1800	SN 03/15 DIP 1G800-349	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	1900 MHz Dipole	SID1900	SN 03/15 DIP 1G900-350	Feb. 21, 2024	Feb. 20, 2027
☐	MVG	2000 MHz Dipole	SID2000	SN 03/15 DIP 2G000-351	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	2300 MHz Dipole	SID2300	SN 03/16 DIP 2G300-358	Feb. 22, 2024	Feb. 21, 2027
☒	MVG	2450 MHz Dipole	SID2450	SN 03/15 DIP 2G450-352	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	2600 MHz Dipole	SID2600	SN 03/15 DIP 2G600-356	Feb. 21, 2024	Feb. 20, 2027
☐	MVG	3500 MHz Dipole	SID3500	SN 09/12 DIP 3G500-360	Oct. 15, 2022	Oct. 14, 2025
☒	MVG	5000 MHz Dipole	SWG5500	SN 13/14 WGA 33	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	Liquid measurement Kit	SCLMP	SN 21/15 OCPG 72	NCR	NCR
☒	MVG	Power Amplifier	N/A	AMPLISAR_28/14_003	NCR	NCR
☒	KEITHLEY	Millivoltmeter	2000	4072790	May. 12 2025	May. 11 2026
☒	R&S	Universal radio communication tester	CMU200	105747	Apr. 17, 2025	Apr. 16, 2026

☒	R&S	Wideband radio communication tester	CMW500	103917	May. 12, 2025	May. 11, 2026
☐	Anritsu	4G LTE comprehensive tester	MT8821C	6262192315	Apr.16 2025	Apr.15 2026
☐	Anritsu	5G NR comprehensive tester	MT8000A	6262186364	Apr.16 2025	Apr.15 2026
☒	Keysight	Network Analyzer	E5071C	LPS-461	Jun. 3, 2025	Jun. 2, 2026
☒	Agilent	Calibration Kit	85033E	N/A	May. 31, 2024	May. 30, 2027
☒	Agilent	MXG Vector Signal Generator	N5182A	MY47070317	Apr. 17, 2025	Apr. 16, 2026
☒	Agilent	Power sensor	E9301A	LES-413-C	May. 6, 2025	May. 5, 2026
☒	Agilent	Power sensor	E9301A	US39212148	Apr. 17, 2025	Apr. 16, 2026
☒	MCLI/USA	Directional Coupler	CB11-20	0D2L51502	Apr. 26, 2024	Apr. 25, 2027
☒	N/A	Thermometer	N/A	LES-085	Mar. 27, 2023	Mar. 26, 2026
☒	MVG	SAM Phantom	SSM2	SN 16/15 SAM119	NCR	NCR
☒	MVG	Device Holder	SMPPD	SN 16/15 MSH100	NCR	NCR

Measurement Software

Manufacturer	Software Name	Software Version
SATIMO	OpenSAR	V5.3.15.11

3. SAR Measurement Procedures

The measurement procedures are as follows:

<Conducted power measurement>

- (a) For WWAN power measurement, use base station simulator to configure EUT WWAN transmission in conducted connection with RF cable, at maximum power in each supported wireless interface and frequency band.
- (b) Read the WWAN RF power level from the base station simulator.
- (c) For Wi-Fi/BT power measurement, use engineering software to configure EUT Wi-Fi/BT continuously transmission, at maximum RF power in each supported wireless interface and frequency band.
- (d) Connect EUT RF port through RF cable to the power meter, and measure Wi-Fi/BT output power.

<SAR measurement>

- (a) Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT Wi-Fi/BT continuously transmission, at maximum RF power, in the highest power channel.
- (b) Place the EUT in the positions as Appendix A demonstrates.
- (c) Set scan area, grid size and other setting on the OPENSAR software.
- (d) Measure SAR results for the highest power channel on each testing position.
- (e) Find out the largest SAR result on these testing positions of each band.
- (f) Measure SAR results for other channels in worst SAR testing position if the reported SAR of 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:

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

3.1. Power Reference

The Power Reference Measurement and Power Drift Measurements 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.

3.2. Area scan & Zoom scan

The area scan is a 2D scan to find the hot spot location on the DUT. The zoom scan is a 3D scan

above the hot spot to calculate the 1g and 10g SAR value.

Measurement of the SAR distribution with a grid of 8 to 16 mm * 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8 * 4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

From the scanned SAR distribution, identify the position of the maximum SAR value, in addition identify the positions of any local maxima with SAR values within 2 dB of the maximum value that will not be within the zoom scan of other peaks; additional peaks shall be measured only when the primary peak is within 2 dB of the SAR compliance limit (e.g., 1 W/kg for 1,6 W/kg 1 g limit, or 1,26 W/kg for 2 W/kg, 10 g limit).

Area scan & Zoom scan scan parameters extracted from FCC KDB 865664 D01 SAR measurement 100 MHz to 6 GHz.

			≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5 ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5 \text{ mm}$
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: $\Delta x_{\text{Area}}, \Delta y_{\text{Area}}$			≤ 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: $\Delta x_{\text{Zoom}}, \Delta y_{\text{Zoom}}$			≤ 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: $\Delta z_{\text{Zoom}}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{\text{Zoom}}(1)$: between 1 st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{\text{Zoom}}(n>1)$: between subsequent points	≤ 1.5 · $\Delta z_{\text{Zoom}}(n-1)$	
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 draft standard IEEE P1528-2011 for details.

* When zoom scan is required and the *reported* SAR from the *area scan based 1-g SAR estimation* procedures of KDB 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.

3.3. Description of interpolation/extrapolation scheme

The local SAR inside the phantom is measured using small dipole sensing elements inside a probe body. The probe tip must not be in contact with the phantom surface in order to minimise measurements errors, but the highest local SAR will occur at the surface of the phantom.

An extrapolation is used to determine this highest local SAR values. The extrapolation is based on a fourth-order least-square polynomial fit of measured data. The local SAR value is then extrapolated from the liquid surface with a 1 mm step.

The measurements have to be performed over a limited time (due to the duration of the battery) so the step of measurement is high. It could vary between 5 and 8 mm. To obtain an accurate assessment of the maximum SAR averaged over 10 grams and 1 gram requires a very fine resolution in the three dimensional scanned data array.

3.4. Volumetric Scan

The volumetric scan consists to a full 3D scan over a specific area. This 3D scan is useful for multi Tx SAR measurement. Indeed, it is possible with OpenSAR to add, point by point, several volumetric scan to calculate the SAR value of the combined measurement as it is defined in the standard IEEE1528 and IEC62209.

3.5. Power Drift

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In OpenSAR 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 V/m. If the power drifts more than $\pm 5\%$, the SAR will be retested.

4. System Verification Procedure

4.1. Tissue Verification

The following tissue formulations are provided for reference only as some of the parameters have not been thoroughly verified. The composition of ingredients may be modified accordingly to achieve the desired target tissue parameters required for routine SAR evaluation.

Ingredients (% of weight)	Head Tissue									
	750	835	900	1800	1900	2000	2450	2600	5200	5800
Frequency Band (MHz)										
Water	34.40	34.40	34.40	55.36	55.36	57.87	57.87	57.87	65.53	65.53
NaCl	0.79	0.79	0.79	0.35	0.35	0.16	0.16	0.16	0.00	0.00
1,2-Propanediol	64.81	64.81	64.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Triton X-100	0.00	0.00	0.00	30.45	30.45	19.97	19.97	19.97	24.24	24.24
DGBE	0.00	0.00	0.00	13.84	13.84	22.00	22.00	22.00	10.23	10.23

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. For head SAR testing, the liquid depth from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm.

Photo of Liquid depth for Head Position	Photo of Liquid depth for Body Position
	

4.1.1. Tissue Dielectric Parameter Check Results

The simulating liquids should be checked at the beginning of a series of SAR measurements to determine if the dielectric parameters are within the tolerances of the specified target values. The measured conductivity and relative permittivity should be within $\pm 5\%$ of the target values.

Tissue Type	Measured Frequency (MHz)	Target Tissue		Measured Tissue		Delta(%)		Liquid Temp.	Test Date
		ϵ_r	σ (S/m)	ϵ_r	σ (S/m)	ϵ_r	σ (S/m)		
Head 750	750	41.90	0.89	42.74	0.92	2.00	3.37	21.3 °C	Mar. 14, 2026
Head 835	835	41.50	0.90	42.89	0.93	3.35	3.33	21.5 °C	Mar. 16, 2026
Head 1800	1800	40.00	1.40	39.86	1.39	-0.35	-0.71	21.2 °C	Mar. 06, 2026
Head 1900	1900	40.00	1.40	39.43	1.44	-1.43	2.86	21.9 °C	Mar. 07, 2026
Head 2450	2450	39.20	1.80	40.85	1.80	4.21	0.00	21.5 °C	Mar. 17, 2026
Head 2600	2600	39.01	1.96	39.88	1.95	2.23	-0.51	21.4 °C	Mar. 03, 2026
Head 2600	2600	39.01	1.96	40.12	1.90	2.85	-3.06	21.8 °C	Mar. 08, 2026
Head 5200	5200	36.00	4.66	36.31	4.68	0.86	0.43	21.4 °C	Mar. 18, 2026
Head 5800	5800	35.30	5.27	36.51	5.13	3.43	-2.66	21.7 °C	Mar. 19, 2026

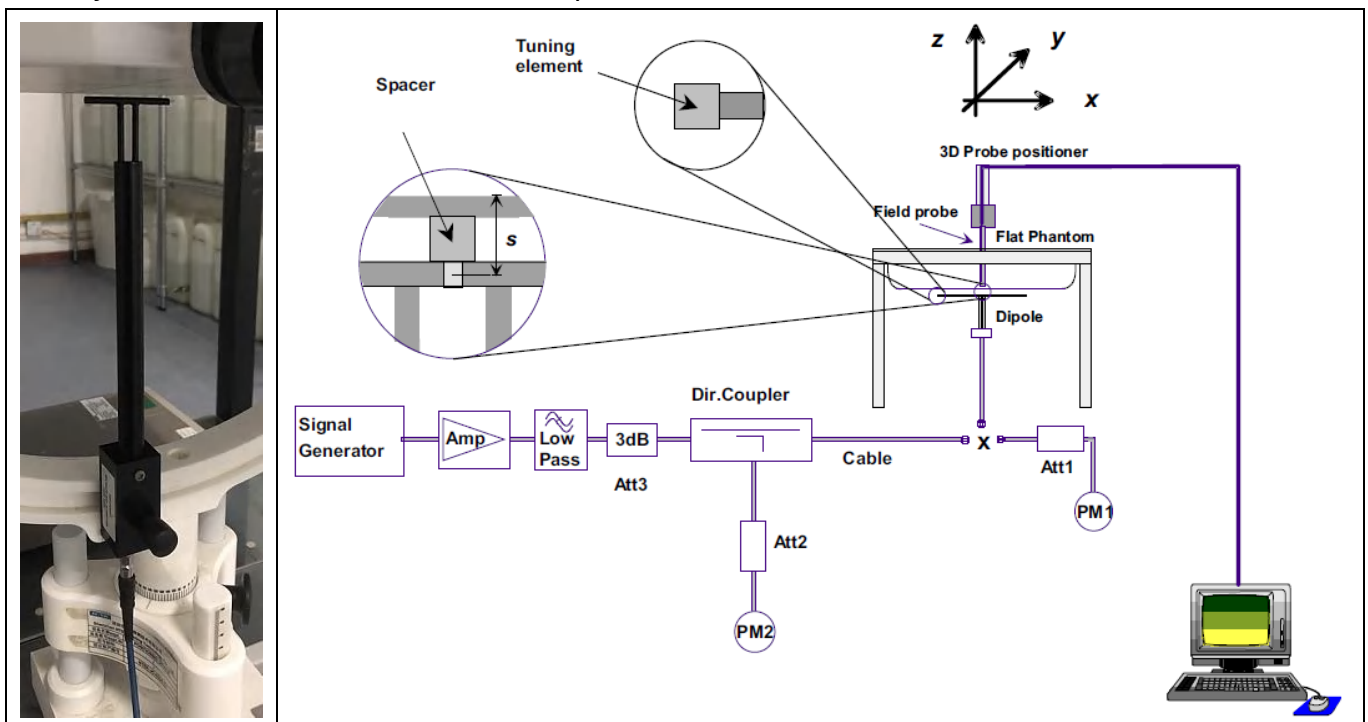
NOTE: 1. The dielectric parameters of the tissue-equivalent liquid should be measured under similar ambient conditions and within 2 °C of the conditions expected during the SAR evaluation to satisfy protocol requirements.

2. Tested by : Max Zhou , Jack Peng

4.2. System Verification Procedure

The system verification is performed for verifying the accuracy of the complete measurement system and performance of the software. The dipole is connected to the signal source consisting of signal generator and amplifier via a directional coupler, N-connector cable and adaption to SMA. To adjust this power a power meter is used. The power sensor is connected to the cable before the system verification to measure the power at this point and do adjustments at the signal generator. At the outputs of the directional coupler both return loss as well as forward power are controlled during the system verification to make sure that emitted power at the dipole is kept constant. This can also be checked by the power drift measurement after the test (result on plot).

The system verification is shown as below picture:



4.2.1. System Verification Results

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

System Verification	Target SAR (1W)		Measured SAR			Measured SAR		Delta (%)		Liquid Temp.	Test Date
						(Normalized to 1W)					
	1-g (W/Kg)	10-g (W/Kg)	Input Power (mW)	1-g (W/Kg)	10-g (W/Kg)	1-g (W/Kg)	10-g (W/Kg)	1-g (%)	10-g (%)		
750MHz	8.60	5.78	100.00	0.91	0.56	9.09	5.59	5.70	-3.29	21.3 °C	Mar. 14, 2026
835MHz	9.40	6.28	100.00	0.90	0.59	9.00	5.89	-4.26	-6.21	21.9 °C	Mar. 16, 2026
1800MHz	37.06	20.01	100.00	3.81	1.92	38.09	19.20	2.78	-4.05	21.2 °C	Mar. 06, 2026
1900MHz	39.69	20.92	100.00	3.73	1.91	37.28	19.07	-6.07	-8.84	21.3 °C	Mar. 07, 2026
2450MHz	50.05	23.80	100.00	4.78	2.24	47.83	22.35	-4.44	-6.09	21.5 °C	Mar. 17, 2026
2600MHz	54.16	24.85	100.00	5.75	2.61	57.54	26.13	6.24	5.15	21.2 °C	Mar. 03, 2026
2600MHz	54.16	24.85	100.00	5.55	2.36	55.51	23.60	2.49	-5.03	21.8 °C	Mar. 08, 2026
5200MHz	162.59	56.21	10.00	1.74	0.60	174.20	60.20	7.14	7.10	21.4 °C	Mar. 18, 2026
5800MHz	182.20	61.32	10.00	1.75	0.58	174.60	58.00	-4.17	-5.41	21.7 °C	Mar. 19, 2026

Tested by : Max Zhou , Jack Peng

5. SAR Measurement variability and uncertainty

5.1. SAR measurement variability

Per KDB865664 D01 SAR measurement 100 MHz to 6 GHz, SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. The additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

5.2. SAR measurement uncertainty

Per KDB865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. The equivalent ratio (1.5/1.6) is applied to extremity and occupational exposure conditions.

6. RF Exposure Positions

6.1. Ear and handset reference point

Figure 6.1.1 shows the front, back, and side views of the SAM phantom. The center-of-mouth reference point is labeled “M”, the left ear reference point (ERP) is marked “LE”, and the right ERP is marked “RE”.



Fig 6.1.1 Front, back, and side views of SAM phantom

6.2. Definition of the cheek position

1. Define two imaginary lines on the handset, the vertical centerline and the horizontal line. The vertical centerline passes through two points on the front side of the handset: the midpoint of the width w_t of the handset at the level of the acoustic output (point A in Figure 6.2.1 and Figure 6.2.2), and the midpoint of the width w_b of the bottom of the handset (point B). The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output (see Figure 6.2.1). The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centerline is not necessarily parallel to the front face of the handset (see Figure 6.2.2), especially for clamshell handsets, handsets with flip covers, and other irregularly-shaped handsets.
2. Position the handset close to the surface of the phantom such that point A is on the (virtual) extension of the line passing through points RE and LE on the phantom (see Figure 6.2.3), such that the plane defined by the vertical centerline and the horizontal line of the handset is approximately parallel to the sagittal plane of the phantom.
3. Translate the handset towards the phantom along the line passing through RE and LE until handset point A touches the pinna at the ERP
4. While maintaining the handset in this plane, rotate it around the LE-RE line until the vertical centerline is in the plane normal to the plane containing B-M and N-F lines, i.e., the Reference Plane.
5. Rotate the handset around the vertical centerline until the handset (horizontal line) is parallel to the N-F line.

6. While maintaining the vertical centerline in the Reference Plane, keeping point A on the line passing through RE and LE, and maintaining the handset contact with the pinna, rotate the handset about the N-F line until any point on the handset is in contact with a phantom point below the pinna on the cheek. See Figure 6.2.3. The actual rotation angles should be documented in the test report.

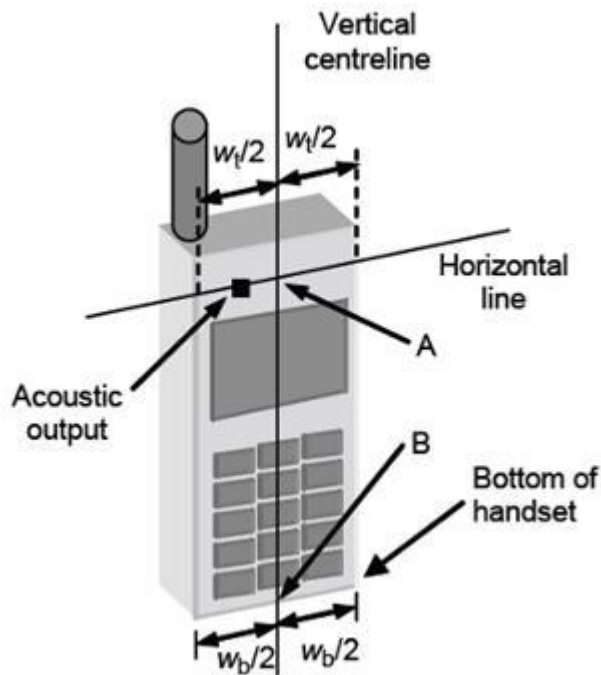


Fig 6.2.1 Handset vertical and horizontal reference lines—"fixed case"

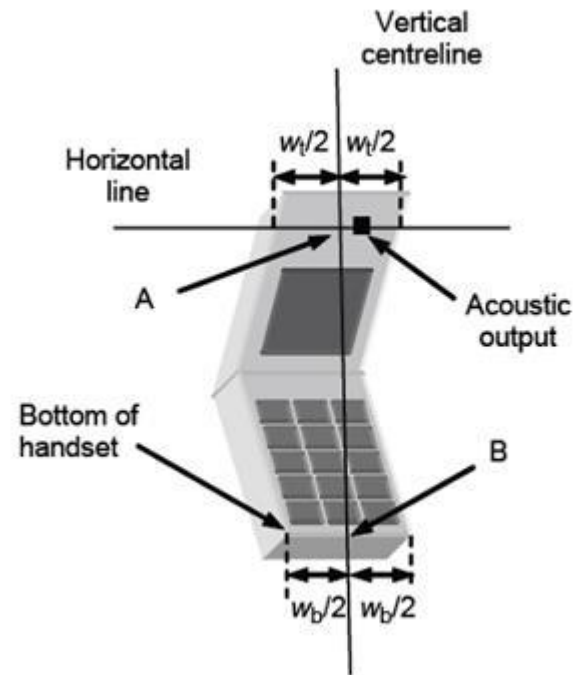


Fig 6.2.2 Handset vertical and horizontal reference lines—"clam-shell case"

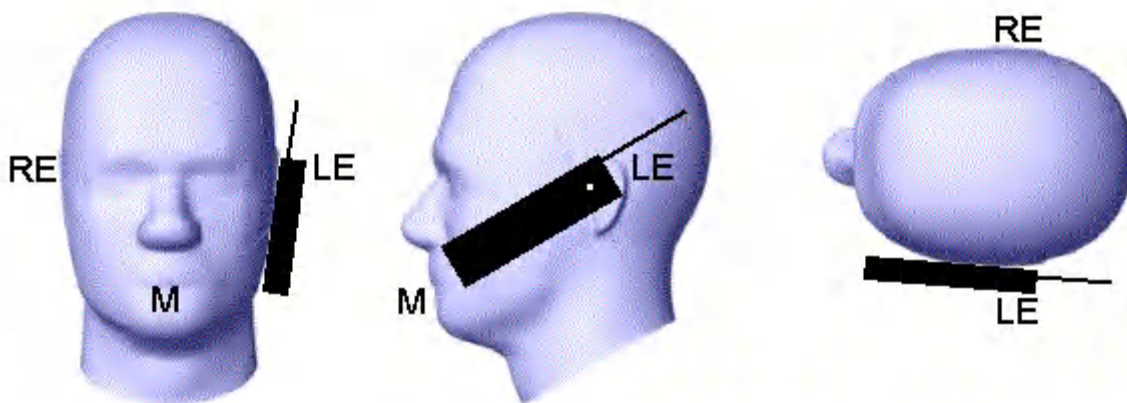


Fig 6.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

6.3. Definition of the tilt position

1. While maintaining the orientation of the handset, retract the handset parallel to the reference plane far enough away from the phantom to enable a rotation of the device by 15 degree.
2. Rotate the Handset around the horizontal line by 15 degree (see Figure 6.3.1).
3. While maintaining the orientation of the handset, move the handset towards the phantom on a line passing through RE and LE until any part of the handset touches the ear. The tilt position is obtained when the contact is on the pinna. If the contact is at any location other than the pinna, e.g., the antenna with the back of the phantom head, the angle of the handset shall be reduced. In this case, the tilt position is obtained if any part of the handset is in contact with the pinna as well as a second part of the handset is in contact with the phantom, e.g., the antenna with the back of the head.

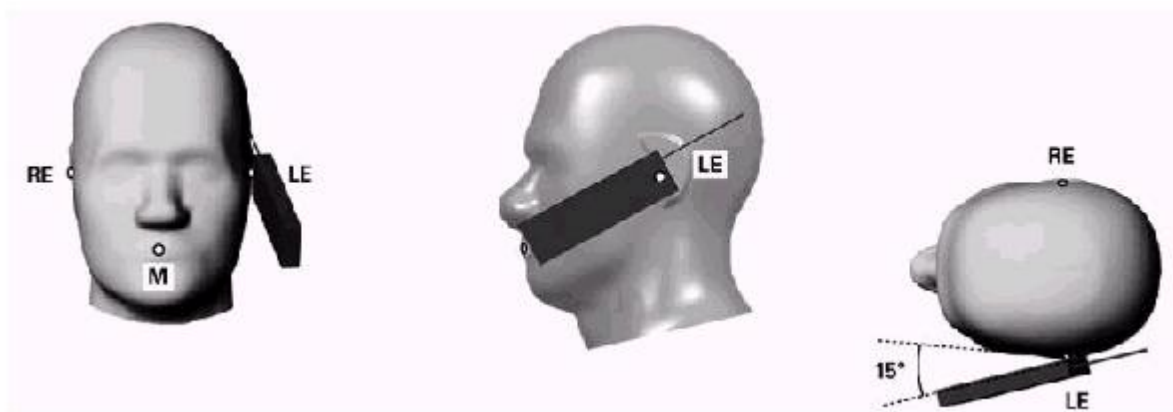


Figure 6.3.1 – Tilt position of the wireless device on the left side of SAM

6.4. Body Worn Accessory

1. Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration (see Figure 6.4.1). Per KDB 648474 D04, body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB 447498 D01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for body-worn accessory, measured without a headset connected to the handset is $< 1.2 \text{ W/kg}$, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.
2. Accessories for body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest

spacing to the body. Then multiple accessories that contain metallic components are test with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-clip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

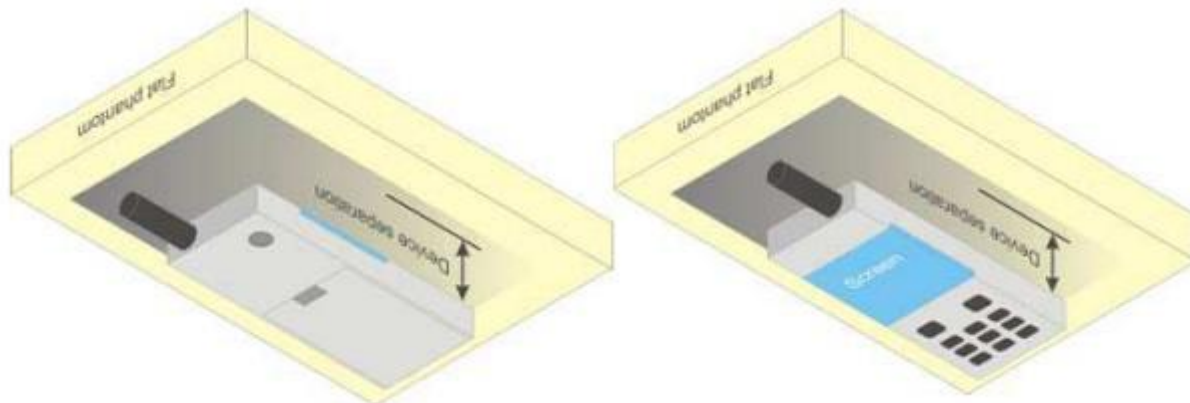


Figure 6.4.1 – Test positions for body-worn devices

6.5. Wireless Router Devices

Some battery-operated handsets have the capability to transmit and receive user through simultaneous transmission of WLAN simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 where SAR test considerations for handsets ($L \times W \geq 9 \text{ cm} \times 5 \text{ cm}$) are based on a composite test separation distance of 10mm from the front, back and edges of the device containing transmitting antennas within 2.5cm of their edges, 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 WLAN 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 due to the limitations of the SAR assessment probes. Therefore, SAR must be evaluated for each frequency transmission and mode separately and spatially summed with the WLAN transmitter according to FCC KDB Publication 447498 D01 publication procedures. The “Portable Hotspot” feature on the handset was NOT activated during SAR assessments, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal at a time.

7. RF Output Power

7.1. GSM Conducted Power

Band GSM850	Burst-Averaged output Power (dBm)				Frame-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	128	189	251	Tune-up	128	189	251
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8
GSM (GMSK)	32.50	32.45	32.31	32.22	23.47	23.42	23.28	23.19
GPRS(GMSK,1 Tx slot)	32.50	32.46	32.48	32.43	23.47	23.43	23.45	23.40
GPRS(GMSK,2 Tx slot)	31.00	30.54	30.45	30.22	24.98	24.52	24.43	24.20
GPRS(GMSK,3 Tx slot)	29.00	28.54	28.54	28.27	24.74	24.28	24.28	24.01
GPRS(GMSK,4 Tx slot)	26.50	26.47	26.37	26.13	23.49	23.46	23.36	23.12
EGPRS(8PSK,1 Tx slot)	26.00	25.52	25.65	25.31	16.97	16.49	16.62	16.28
EGPRS(8PSK,2 Tx slot)	26.00	25.61	25.05	25.22	19.98	19.59	19.03	19.20
EGPRS(8PSK,3 Tx slot)	24.00	23.80	23.87	23.81	19.74	19.54	19.61	19.55
EGPRS(8PSK,4 Tx slot)	22.00	21.99	21.71	21.18	18.99	18.98	18.70	18.17
Band GSM1900	Burst-Averaged output Power (dBm)				Frame-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	512	661	810	Tune-up	512	661	810
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8
GSM (GMSK)	29.50	29.27	29.20	29.13	20.47	20.24	20.17	20.10
GPRS(GMSK,1 Tx slot)	29.50	29.09	29.04	28.96	20.47	20.06	20.01	19.93
GPRS(GMSK,2 Tx slot)	27.00	26.88	26.64	26.21	20.98	20.86	20.62	20.19
GPRS(GMSK,3 Tx slot)	25.50	25.31	24.96	24.52	21.24	21.05	20.70	20.26
GPRS(GMSK,4 Tx slot)	23.50	23.15	22.85	22.30	20.49	20.14	19.84	19.29
EGPRS(8PSK,1 Tx slot)	25.50	25.12	25.04	24.33	16.47	16.09	16.01	15.30
EGPRS(8PSK,2 Tx slot)	24.50	24.46	24.36	24.10	18.48	18.44	18.34	18.08
EGPRS(8PSK,3 Tx slot)	23.00	22.87	22.70	22.08	18.74	18.61	18.44	17.82
EGPRS(8PSK,4 Tx slot)	21.00	20.51	20.24	19.75	17.99	17.50	17.23	16.74

7.2. WCDMA Conducted Power

WCDMA Band 2	Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	9262	9400	9538
Frequency (MHz)		1852.4	1880	1907.6
RMC12.2K	24.00	23.63	23.71	23.67
HSDPA Sub 1	24.00	23.29	23.17	23.93
HSDPA Sub 2	24.00	23.72	23.72	23.57
HSDPA Sub 3	24.00	23.51	23.55	23.27
HSDPA Sub 4	23.50	23.17	23.29	23.03

HSUPA Sub 1	23.50	22.89	23.04	22.55
HSUPA Sub 2	23.50	23.00	23.08	22.75
HSUPA Sub 3	23.00	22.58	22.88	22.03
HSUPA Sub 4	23.50	22.96	23.05	22.71
HSUPA Sub 5	23.00	22.79	22.78	22.37
WCDMA Band 4	Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	1312	1413	1513
Frequency (MHz)		1712.4	1732.6	1752.6
RMC12.2K	23.00	21.87	22.50	21.95
HSDPA Sub 1	22.50	21.85	22.30	21.74
HSDPA Sub 2	22.50	21.49	22.03	21.47
HSDPA Sub 3	22.00	21.28	21.64	21.32
HSDPA Sub 4	22.00	21.25	21.56	21.05
HSUPA Sub 1	22.50	21.78	22.22	21.63
HSUPA Sub 2	22.50	21.81	22.32	21.75
HSUPA Sub 3	22.50	21.43	22.11	21.58
HSUPA Sub 4	22.50	21.78	22.30	21.54
HSUPA Sub 5	22.50	21.51	22.14	21.68
WCDMA Band 5	Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	4132	4182	4233
Frequency (MHz)		826.4	836.4	846.6
RMC12.2K	24.00	23.02	23.29	23.87
HSDPA Sub 1	24.00	23.35	23.62	23.99
HSDPA Sub 2	24.00	23.85	23.29	23.79
HSDPA Sub 3	24.00	23.57	22.97	23.37
HSDPA Sub 4	23.50	23.37	22.79	22.92
HSUPA Sub 1	23.00	22.54	21.57	22.12
HSUPA Sub 2	22.50	22.47	21.66	22.12
HSUPA Sub 3	22.50	22.02	21.45	21.91
HSUPA Sub 4	22.50	22.40	21.66	22.12
HSUPA Sub 5	22.50	22.10	21.43	22.02

7.3. LTE Conducted Power

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18607/1850.7	18900/1880	19193/1909.3
LTE Band 2	1.4MHz	QPSK	1	0	22.50	22.45	22.44	22.23
			1	2	22.50	22.41	22.42	22.18
			1	5	22.50	22.47	22.22	22.16
			3	0	20.00	19.47	19.36	19.95
			3	1	20.00	19.57	19.33	19.97
			3	2	20.00	19.54	19.22	19.93
			6	0	20.00	19.08	19.85	19.27
		16QAM	1	0	21.50	20.48	21.00	20.94
			1	2	21.50	20.80	21.01	20.02
			1	5	21.50	20.44	20.11	20.00
			3	0	21.00	20.77	20.10	20.06
			3	1	21.00	20.65	20.03	19.14
			3	2	21.00	20.65	20.11	19.18
			6	0	19.50	19.41	18.78	17.91
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18615/1851.5	18900/1880	19185/1908.5
LTE Band 2	3MHz	QPSK	1	0	22.00	21.50	21.06	20.74
			1	7	22.00	21.48	21.22	20.83
			1	14	22.00	21.40	21.27	20.98
			8	0	21.00	20.92	20.51	19.25
			8	4	21.00	20.87	20.45	19.35
			8	7	21.00	20.94	20.58	19.48
			15	0	21.00	20.95	20.40	19.34
		16QAM	1	0	21.50	20.95	20.34	20.31
			1	7	21.50	21.03	20.41	20.42
			1	14	21.50	20.93	20.60	20.47
			8	0	20.00	19.60	18.92	19.92
			8	4	20.00	19.62	18.96	18.05
			8	7	20.00	19.70	19.01	18.10
			15	0	20.00	19.53	19.04	18.02
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18625/1852.5	18900/1880	19175/1907.5
LTE	5MHz	QPSK	1	0	22.00	21.72	20.79	19.63

Band 2			1	12	22.00	21.40	20.98	20.04
			1	24	22.00	21.44	21.07	20.28
			12	0	21.00	21.00	20.29	19.12
			12	6	21.00	20.99	20.51	19.34
			12	11	21.00	20.90	20.44	19.30
			25	0	21.00	20.96	20.37	19.17
		16QAM	1	0	21.50	21.02	20.30	19.17
			1	12	21.50	21.08	20.58	19.32
			1	24	21.50	20.90	20.69	19.44
			12	0	20.00	19.51	19.05	17.72
			12	6	20.00	19.58	19.05	17.88
			12	11	20.00	19.57	19.13	18.01
			25	0	20.00	19.52	18.95	17.74
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18650/1855	18900/1880	19150/1905
LTE Band 2	10MHz	QPSK	1	0	22.00	21.70	20.62	20.68
			1	24	22.00	21.58	20.99	20.76
			1	49	22.00	21.24	21.22	20.14
			25	0	21.00	20.88	20.25	19.12
			25	12	21.00	20.91	20.48	19.18
			25	24	21.00	20.65	20.64	19.31
			50	0	21.00	20.73	20.29	19.12
		16QAM	1	0	21.00	20.56	20.07	19.46
			1	24	21.00	20.46	20.50	19.21
			1	49	21.00	19.99	20.57	19.49
			25	0	20.00	19.79	18.80	18.75
			25	12	20.00	19.59	18.92	18.74
			25	24	20.00	19.49	19.12	18.75
			50	0	19.50	19.40	19.04	17.78
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18675/1857.5	18900/1880	19125/1902.5
LTE Band 2	15MHz	QPSK	1	0	21.50	21.46	20.42	20.17
			1	37	21.50	21.12	21.00	19.71
			1	74	21.50	20.50	21.21	20.23
			36	0	21.00	20.93	20.05	19.46
			36	18	21.00	20.62	20.51	19.20
			36	37	21.00	20.40	20.66	19.11
			75	0	21.00	20.69	20.36	19.28

		16QAM	1	0	21.50	21.06	19.45	19.81
		16QAM	1	37	21.50	20.75	19.98	19.33
		16QAM	1	74	21.50	20.27	20.15	19.47
		16QAM	36	0	19.50	19.47	18.79	17.90
		16QAM	36	18	19.50	19.21	19.17	17.72
		16QAM	36	37	19.50	18.88	19.29	17.75
		16QAM	75	0	19.50	19.21	19.06	17.93
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18700/1860	18900/1880	19100/1900
LTE Band 2	20MHz	QPSK	1	0	23.00	21.74	22.52	21.85
			1	49	23.00	22.13	22.05	21.81
			1	99	23.00	22.56	22.07	21.95
			50	0	21.00	20.72	20.07	19.76
			50	24	21.00	20.28	20.39	19.31
			50	49	21.00	20.16	20.70	19.15
			100	0	20.50	20.41	20.30	19.50
		16QAM	1	0	20.50	20.46	19.38	20.23
			1	49	20.50	20.05	19.99	19.36
			1	99	20.50	19.38	20.06	19.55
			50	0	19.50	19.32	18.67	18.31
			50	24	19.50	19.00	19.10	17.87
			50	49	19.50	18.66	19.07	17.83
			100	0	19.50	19.06	18.91	18.18

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		19957/1710.7	20175/1732.5	20393/1754.3
LTE Band 4	1.4MHz	QPSK	1	0	21.50	21.40	21.16	21.12
			1	2	21.50	21.43	20.93	21.15
			1	5	21.50	21.46	20.92	21.08
			3	0	22.00	21.41	21.05	20.99
			3	1	22.00	21.51	20.96	21.04
			3	2	22.00	21.55	20.90	20.98
			6	0	21.00	20.99	20.43	20.54
		16QAM	1	0	21.50	20.92	20.51	21.17
			1	2	21.50	21.09	20.49	21.12
			1	5	21.50	20.97	20.45	21.15
			3	0	21.00	20.69	20.13	20.30
			3	1	21.00	20.69	20.13	20.25

			3	2	21.00	20.73	20.18	20.25
			6	0	19.50	19.46	18.75	18.81
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		19965/1711.5	20175/1732.5	20385/1753.5
LTE Band 4	3MHz	QPSK	1	0	22.00	21.50	20.95	21.18
			1	7	22.00	21.55	20.94	21.15
			1	14	22.00	21.57	20.99	21.16
			8	0	21.50	20.99	20.46	20.72
			8	4	21.50	21.10	20.52	20.63
			8	7	21.50	21.11	20.50	20.61
			15	0	21.50	21.04	20.48	20.53
		16QAM	1	0	22.00	21.41	21.03	21.27
			1	7	22.00	21.71	21.13	21.27
			1	14	22.00	21.57	20.99	21.17
			8	0	20.00	19.66	19.13	19.36
			8	4	20.00	19.78	19.09	19.30
			8	7	20.00	19.73	19.19	19.27
			15	0	20.00	19.72	19.13	19.30
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		19975/1712.5	20175/1732.5	20375/1752.5
LTE Band 4	5MHz	QPSK	1	0	22.00	21.46	21.20	21.31
			1	12	22.00	21.58	21.14	21.19
			1	24	22.00	21.72	21.14	21.01
			12	0	21.50	21.11	20.38	20.80
			12	6	21.50	21.00	20.49	20.71
			12	11	21.50	21.18	20.36	20.54
			25	0	21.50	21.08	20.41	20.62
		16QAM	1	0	22.00	21.37	20.59	21.32
			1	12	22.00	21.60	20.42	21.20
			1	24	22.00	21.79	20.57	21.17
			12	0	20.00	19.62	19.00	19.30
			12	6	20.00	19.66	19.08	19.28
			12	11	20.00	19.76	19.07	19.25
			25	0	20.00	19.67	19.22	19.26
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20000/1715	20175/1732.5	20350/1750
LTE	10MHz	QPSK	1	0	22.00	21.74	21.05	21.27

Band 4			1	24	22.00	21.98	20.93	21.25
			1	49	22.00	21.90	21.05	21.03
			25	0	21.50	21.10	20.43	20.72
			25	12	21.50	21.21	20.43	20.74
			25	24	21.50	21.12	20.52	20.65
			50	0	21.50	21.15	20.46	20.78
		16QAM	1	0	22.00	21.12	21.09	21.57
			1	24	22.00	21.16	21.11	21.40
			1	49	22.00	21.25	21.19	21.30
			25	0	20.00	19.86	19.10	19.43
			25	12	20.00	19.94	19.00	19.37
			25	24	20.00	19.99	19.05	19.24
			50	0	20.00	19.77	19.04	19.42
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20025/1717.5	20175/1732.5	20325/1747.5
LTE Band 4	15MHz	QPSK	1	0	22.00	21.79	21.46	21.19
			1	37	22.00	21.87	21.20	21.29
			1	74	22.00	21.63	21.36	21.08
			36	0	21.50	21.17	20.64	20.80
			36	18	21.50	21.22	20.54	20.86
			36	37	21.50	21.14	20.60	20.81
			75	0	21.00	21.00	20.54	20.81
		16QAM	1	0	21.50	21.08	20.68	20.48
			1	37	21.50	21.13	20.46	20.55
			1	74	21.50	20.81	20.76	20.31
			36	0	20.50	19.71	19.16	20.28
			36	18	20.50	19.74	19.15	20.30
			36	37	20.50	19.62	19.14	20.30
			75	0	20.50	19.62	19.18	20.39
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20050/1720	20175/1732.5	20300/1745
LTE Band 4	20MHz	QPSK	1	0	23.50	23.40	23.48	23.02
			1	49	23.50	23.44	23.18	23.34
			1	99	23.50	23.00	23.43	23.13
			50	0	23.00	22.04	22.46	22.61
			50	24	23.00	22.91	22.45	22.83
			50	49	23.00	22.72	22.41	22.82
			100	0	23.00	22.83	22.47	22.72

		16QAM	1	0	23.00	22.52	22.78	22.56
			1	49	23.00	22.53	22.49	22.94
			1	99	23.00	22.18	22.70	22.82
			50	0	22.00	21.67	21.10	21.33
			50	24	22.00	21.62	21.08	21.40
			50	49	22.00	21.37	21.11	21.45
			100	0	21.50	21.49	21.27	21.32

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20407/824.7	20525/836.5	20643/848.3
LTE Band 5	1.4MHz	QPSK	1	0	24.50	24.10	23.68	23.88
			1	2	24.50	24.03	23.71	23.48
			1	5	24.50	24.03	23.70	22.83
			3	0	24.50	24.21	23.76	24.15
			3	1	24.50	24.11	23.78	24.35
			3	2	24.50	24.08	23.75	24.35
		16QAM	6	0	24.00	23.66	23.15	23.62
			1	0	24.50	24.20	23.70	23.59
			1	2	24.50	24.21	23.79	23.56
			1	5	24.50	24.17	23.65	23.65
			3	0	24.00	23.50	22.96	23.30
			3	1	24.00	23.44	23.08	23.19
			3	2	24.00	23.39	22.96	23.37
			6	0	22.00	21.91	21.44	21.80
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20415/825.5	20525/836.5	20635/847.5
LTE Band 5	3MHz	QPSK	1	0	24.50	24.16	23.94	24.28
			1	7	24.50	24.15	23.88	24.33
			1	14	24.50	24.07	23.89	24.40
			8	0	24.00	23.61	23.16	23.71
			8	4	24.00	23.63	23.10	23.73
			8	7	24.00	23.56	23.12	23.72
			15	0	24.00	23.62	23.23	23.69
		16QAM	1	0	24.50	24.25	23.21	23.60
			1	7	24.50	24.21	23.20	24.31
			1	14	24.50	24.12	23.17	24.34
			8	0	22.50	22.28	21.83	22.10
			8	4	22.50	22.27	21.78	22.15

			8	7	22.50	22.36	21.81	22.08
			15	0	22.50	22.20	21.82	22.13
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20425/826.5	20525/836.5	20625/846.5
LTE Band 5	5MHz	QPSK	1	0	25.00	24.28	24.01	24.34
			1	12	25.00	24.05	23.94	24.43
			1	24	25.00	24.01	23.94	24.53
			12	0	24.00	23.54	23.29	23.57
			12	6	24.00	23.61	23.27	23.55
			12	11	24.00	23.58	23.08	23.73
			25	0	24.00	23.65	23.15	23.69
		16QAM	1	0	24.50	24.26	23.20	23.48
			1	12	24.50	24.10	23.20	23.68
			1	24	24.50	24.06	23.19	23.66
			12	0	22.50	22.25	21.90	21.97
			12	6	22.50	22.15	21.84	22.15
			12	11	22.50	22.09	21.80	22.07
			25	0	22.50	22.06	21.93	21.98
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20450/829	20525/836.5	20600/844
LTE Band 5	10MHz	QPSK	1	0	24.50	24.25	23.91	23.80
			1	24	24.50	23.97	23.75	23.93
			1	49	24.50	23.76	23.82	24.41
			25	0	24.00	23.61	23.27	23.29
			25	12	24.00	23.42	23.23	23.39
			25	24	24.00	23.31	23.13	23.66
			50	0	24.00	23.52	23.27	23.47
		16QAM	1	0	24.50	24.26	23.91	23.78
			1	24	24.50	23.98	23.78	23.86
			1	49	24.50	23.79	23.79	24.18
			25	0	22.50	22.13	21.80	21.74
			25	12	22.50	21.93	21.63	21.80
			25	24	22.50	21.79	21.72	21.99
			50	0	22.50	22.02	21.69	21.78

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20775/2502.5	21100/2535	21425/2567.5
LTE Band 7	5MHz	QPSK	1	0	23.50	22.09	23.13	23.43
			1	12	23.50	22.07	22.94	23.23
			1	24	23.50	21.91	22.95	23.01
			12	0	23.00	21.52	22.30	22.65
			12	6	23.00	21.55	22.25	22.48
			12	11	23.00	21.55	22.28	22.32
			25	0	23.00	21.58	22.30	22.50
		16QAM	1	0	23.00	22.41	22.41	22.67
			1	12	23.00	22.32	22.39	22.52
			1	24	23.00	21.57	22.21	22.19
			12	0	21.50	20.28	20.98	21.28
			12	6	21.50	20.26	21.09	21.22
			12	11	21.50	20.24	20.91	21.01
			25	0	21.50	20.44	21.20	21.31
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20800/2505	21100/2535	21400/2565
LTE Band 7	10MHz	QPSK	1	0	23.50	22.35	22.83	23.12
			1	24	23.50	22.18	22.81	23.22
			1	49	23.50	21.89	22.39	22.82
			25	0	23.00	21.60	22.29	22.67
			25	12	23.00	21.53	22.31	22.59
			25	24	23.00	21.25	22.14	22.47
			50	0	23.00	21.58	22.20	22.61
		16QAM	1	0	23.00	21.77	22.95	22.20
			1	24	23.00	21.62	22.97	22.54
			1	49	23.00	21.38	22.61	22.96
			25	0	21.50	20.42	20.96	21.30
			25	12	21.50	20.34	20.92	21.25
			25	24	21.50	19.98	20.73	21.07
			50	0	21.50	20.09	20.92	21.19
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20825/2507.5	21100/2535	21375/2562.5
LTE Band 7	15MHz	QPSK	1	0	21.50	20.37	20.66	20.25
			1	37	21.50	19.81	21.06	21.16

			1	74	21.50	19.68	20.15	20.97
			36	0	21.00	19.44	20.13	20.01
			36	18	21.00	19.19	20.18	20.49
			36	37	21.00	19.99	20.00	20.54
			75	0	20.50	19.32	20.03	20.19
		16QAM	1	0	21.00	19.62	20.26	19.53
			1	37	21.00	19.23	20.67	20.45
			1	74	21.00	19.14	19.92	20.23
			36	0	19.50	18.04	19.31	19.17
			36	18	19.50	17.61	19.09	19.11
			36	37	19.50	17.80	19.13	19.22
			75	0	19.50	17.90	19.18	19.17
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20850/2510	21100/2535	21350/2560
LTE Band 7	20MHz	QPSK	1	0	23.50	22.14	22.68	22.76
			1	49	23.50	22.84	23.07	23.39
			1	99	23.50	22.60	22.50	23.02
			50	0	23.00	21.54	22.28	22.55
			50	24	23.00	21.26	22.19	21.56
			50	49	23.00	21.22	22.12	21.57
			100	0	22.50	21.36	22.17	21.58
		16QAM	1	0	23.00	22.12	22.16	22.04
			1	49	23.00	22.02	22.43	22.67
			1	99	23.00	21.90	21.71	21.40
			50	0	21.50	20.12	21.10	20.20
			50	24	21.50	19.93	21.02	20.24
			50	49	21.50	19.68	20.79	20.22
			100	0	21.00	19.99	20.88	19.24

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23017/699.7	23095/707.5	23173/715.3
LTE Band 12	1.4MHz	QPSK	1	0	22.50	22.08	21.91	22.11
			1	2	22.50	22.14	22.06	22.10
			1	5	22.50	22.10	22.04	22.00
			3	0	22.50	22.24	22.07	22.01
			3	1	22.50	22.27	22.08	21.98
			3	2	22.50	22.15	22.06	21.93
			6	0	22.00	21.73	21.51	21.39

		16QAM	1	0	22.00	21.12	21.43	21.49
			1	2	22.00	21.06	21.77	21.47
			1	5	22.00	21.08	21.75	21.44
			3	0	22.00	21.38	21.48	21.67
			3	1	22.00	21.34	21.58	21.73
			3	2	22.00	21.38	21.48	21.69
			6	0	20.50	19.93	20.09	20.35
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23025/700.5	23095/707.5	23165/714.5
LTE Band 12	3MHz	QPSK	1	0	22.50	22.25	21.91	22.16
			1	7	22.50	22.30	22.03	21.98
			1	14	22.50	21.73	22.05	21.86
			8	0	22.50	21.83	21.45	22.04
			8	4	22.50	21.74	21.51	22.05
			8	7	22.50	21.83	21.61	21.53
			15	0	22.00	21.75	21.51	21.95
		16QAM	1	0	22.50	21.60	20.97	22.03
			1	7	22.50	21.51	21.20	22.11
			1	14	22.50	21.60	21.24	22.02
			8	0	21.00	20.26	20.00	20.64
			8	4	21.00	20.26	20.36	20.62
			8	7	21.00	20.42	20.32	20.63
			15	0	21.00	20.22	20.34	20.59
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23035/701.5	23095/707.5	23155/713.5
LTE Band 12	5MHz	QPSK	1	0	23.00	22.51	22.22	22.35
			1	12	23.00	21.97	22.26	22.34
			1	24	23.00	22.07	22.26	22.14
			12	0	22.50	21.62	21.50	21.56
			12	6	22.50	21.84	21.52	22.15
			12	11	22.50	21.78	21.51	22.00
			25	0	22.50	21.90	21.55	22.04
		16QAM	1	0	22.00	21.09	21.41	21.09
			1	12	22.00	21.30	21.75	21.48
			1	24	22.00	21.35	21.69	21.53
			12	0	21.00	20.20	19.91	20.08
			12	6	21.00	20.37	20.34	20.64
			12	11	21.00	20.31	20.32	20.45

			25	0	21.00	20.51	20.28	20.82
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23060/704	23095/707.5	23130/711
LTE Band 12	10MHz	QPSK	1	0	23.00	22.54	21.82	22.06
			1	24	23.00	22.06	22.07	22.14
			1	49	23.00	22.28	22.24	21.90
			25	0	22.50	21.93	21.41	21.53
			25	12	22.50	21.36	21.53	21.63
			25	24	22.50	21.46	21.63	22.15
			50	0	22.00	21.38	21.50	21.55
		16QAM	1	0	22.00	21.22	21.70	21.40
			1	24	22.00	21.34	21.67	21.77
			1	49	22.00	21.18	21.40	21.94
			25	0	21.00	20.50	20.22	20.29
			25	12	21.00	20.62	20.45	20.17
			25	24	21.00	20.05	20.55	20.59
			50	0	20.50	20.48	20.24	20.38

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23755/706.5	23790/710	23825/713.5
LTE Band 17	5MHz	QPSK	1	0	22.50	21.77	22.15	22.41
			1	12	22.50	21.97	22.16	22.44
			1	24	22.50	21.97	22.21	22.14
			12	0	22.50	21.50	21.61	21.72
			12	6	22.50	21.55	21.62	22.21
			12	11	22.50	21.57	21.63	22.11
			25	0	22.50	21.54	21.65	22.21
		16QAM	1	0	22.00	21.34	21.70	21.22
			1	12	22.00	21.00	21.75	21.62
			1	24	22.00	21.18	21.42	21.50
			12	0	21.00	20.00	20.32	20.11
			12	6	21.00	19.95	20.32	20.52
			12	11	21.00	20.25	20.15	20.58
			25	0	21.00	19.88	20.23	20.82
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23780/709	23790/710	23800/711
LTE	10MHz	QPSK	1	0	22.50	21.89	22.00	22.22

Band 17			1	24	22.50	22.40	22.20	22.39
			1	49	22.50	22.13	21.98	22.11
			25	0	22.50	21.47	21.57	21.52
			25	12	22.50	21.55	21.55	21.50
			25	24	22.50	21.59	21.57	22.11
			50	0	22.00	21.48	21.62	21.62
		16QAM	1	0	22.50	21.81	21.36	21.07
			1	24	22.50	21.70	21.64	21.23
			1	49	22.50	21.90	22.02	21.43
			25	0	21.00	19.92	20.46	20.45
			25	12	21.00	20.26	20.56	20.52
			25	24	21.00	19.97	20.22	20.86
			50	0	20.50	20.23	20.30	20.31

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)				
			RB Size	RB Offset		39675/2498.5	40145/2545.5	40620/2593	41090/2640	41565/2687.5
LTE Band 41	5MHz	QPSK	1	0	22.00	20.36	21.13	20.91	20.99	21.75
			1	12	22.00	20.28	21.24	21.1	20.92	21.82
			1	24	22.00	20.32	20.61	21.16	20.49	21.93
			12	0	22.00	19.77	19.88	20.46	21.19	21.11
			12	6	22.00	19.91	21.93	20.61	21.26	21.26
			12	11	22.00	19.83	21.36	20.62	20.36	21.34
			25	0	21.50	19.78	20.13	20.64	20.08	21.36
		16QAM	1	0	21.50	19.08	20.52	19.66	19.99	20.59
			1	12	21.50	19.09	21.47	19.89	20.09	20.52
			1	24	21.50	19.06	19.31	19.82	20.07	20.71
			12	0	21.00	18.33	20.52	19.01	19.83	19.77
			12	6	21.00	18.31	19.86	19	19.81	19.77
			12	11	21.00	18.34	18.64	19.15	20.3	19.88
			25	0	20.50	18.54	18.6	19.16	18.81	20.03
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)				
			RB Size	RB Offset		39700/2501	40145/2545.5	40620/2593	41090/2640	41540/2685
LTE Band 41	10MHz	QPSK	1	0	22.00	20.35	21.23	21.42	21.85	21.56
			1	24	22.00	20.33	21.59	21.72	21.68	21.38
			1	49	22.00	20.11	21.47	21.76	21.17	21.52

			25	0	22.00	19.82	21.45	20.81	21.28	21.52
			25	12	22.00	19.86	21.75	20.92	21.54	21.6
			25	24	22.00	19.76	21.08	20.92	21.63	21.54
			50	0	22.00	19.44	21.84	20.58	21.57	21.2
		16QAM	1	0	22.50	19.12	20.2	20.33	21.19	21.52
			1	24	22.50	19.09	20.86	20.64	20.99	21.38
			1	49	22.50	18.9	20.61	20.63	22.13	21.45
			25	0	21.50	18.48	20.14	19.47	21.15	20.2
			25	12	21.50	18.46	20.1	19.58	21.23	20.26
			25	24	21.50	18.35	20.67	19.57	21.44	20.28
			50	0	21.00	18.01	20.73	19.15	20.78	19.94
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)				
			RB Size	RB Offset		39725/2503.5	40145/2545.5	40620/2593	41090/2640	41515/2682.5
LTE Band 41	15MHz	QPSK	1	0	22.50	20.32	21.19	20.55	20.11	22.02
			1	37	22.50	20.25	20.19	21.08	19.96	21.65
			1	74	22.50	19.83	20.44	21.01	21.01	21.76
			36	0	21.50	19.72	19.75	20.2	19.57	21.38
			36	18	21.50	19.73	19.71	20.51	21.2	21.24
			36	37	21.50	19.47	20.16	20.51	20.36	21.17
			75	0	22.00	19.33	21.8	20.05	21.64	20.9
		16QAM	1	0	22.00	19.1	20.93	19.23	21.88	20.77
			1	37	22.00	18.95	20.86	19.78	20.71	20.33
			1	74	22.00	18.54	18.54	19.69	19.45	20.51
			36	0	22.00	18.42	18.67	18.79	20.53	19.9
			36	18	22.00	18.23	19.14	19.06	18.76	19.7
			36	37	22.00	17.99	21.53	19.09	21.5	19.67
			75	0	19.50	17.81	19.27	18.62	18.47	19.49
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)				
			RB Size	RB Offset		39750/2506	40145/2545.5	40620/2593	41090/2640	41490/2680
LTE Band 41	20MHz	QPSK	1	0	22.50	21.43	20.88	21.37	20.02	22.17
			1	49	22.50	21.1	20.7	21.1	20.9	21.71
			1	99	22.50	21.62	21.05	21.71	21.34	21.88
			50	0	22.00	20.71	19.61	21.12	19.02	21.45
			50	24	22.00	20.54	19.12	21.51	19.17	21.31
			50	49	22.00	20.37	19.6	21.53	19.86	21.19

			100	0	21.00	19.15	19.59	20	20.83	20.92
		16QAM	1	0	21.00	19.07	20.2	19.14	18.36	20.85
			1	49	21.00	18.88	18.88	19.8	18.59	20.52
			1	99	21.00	18.28	20.08	19.44	18.34	20.48
			50	0	21.00	18.4	20.51	18.69	20.15	20.08
			50	24	21.00	18.06	18.86	19.09	18.91	19.85
			50	49	21.00	17.86	19.05	19.07	20.96	19.7
			100	0	20.50	18.1	20.49	18.96	19.03	19.92

7.4. WLAN & Bluetooth Output Power

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)
802.11b	1	2412	17.50	17.12
	6	2437	17.50	16.26
	11	2462	17.50	16.23
802.11g	1	2412	14.50	14.39
	6	2437	14.50	13.50
	11	2462	14.50	13.27
802.11n HT20	1	2412	12.50	12.20
	6	2437	12.50	11.28
	11	2462	12.50	11.16
802.11n HT40	3	2422	11.50	11.22
	6	2437	11.50	10.87
	9	2452	11.50	10.20

NOTE: Power measurement results of WLAN 2.4G.

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)
802.11a	36	5180	13.00	12.70
	40	5200	13.00	12.73
	48	5240	13.00	12.78
802.11n HT20	36	5180	13.00	12.64
	40	5200	13.00	12.98
	48	5240	13.00	12.96
802.11n HT40	38	5190	13.50	13.16
	46	5230	13.50	13.10
802.11ac VHT20	36	5180	13.00	12.80
	40	5200	13.00	12.94
	48	5240	13.00	12.96
802.11ac VHT40	38	5190	13.50	13.13
	46	5230	13.50	13.30
802.11ac VHT80	42	5210	13.50	13.34

NOTE: Power measurement results of WLAN 5.2G.

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)
802.11a	149	5745	12.50	11.06
	157	5785	12.50	11.82
	165	5825	12.50	12.27
802.11n HT20	149	5745	12.50	11.01
	157	5785	12.50	11.88
	165	5825	12.50	12.07

802.11n HT40	151	5755	12.50	11.92
	159	5795	12.50	12.03
802.11ac VHT20	149	5745	12.50	11.02
	157	5785	12.50	11.56
	165	5825	12.50	12.06
802.11ac VHT40	151	5755	12.50	11.73
	159	5795	12.50	12.27
802.11ac VHT80	155	5775	12.00	11.93

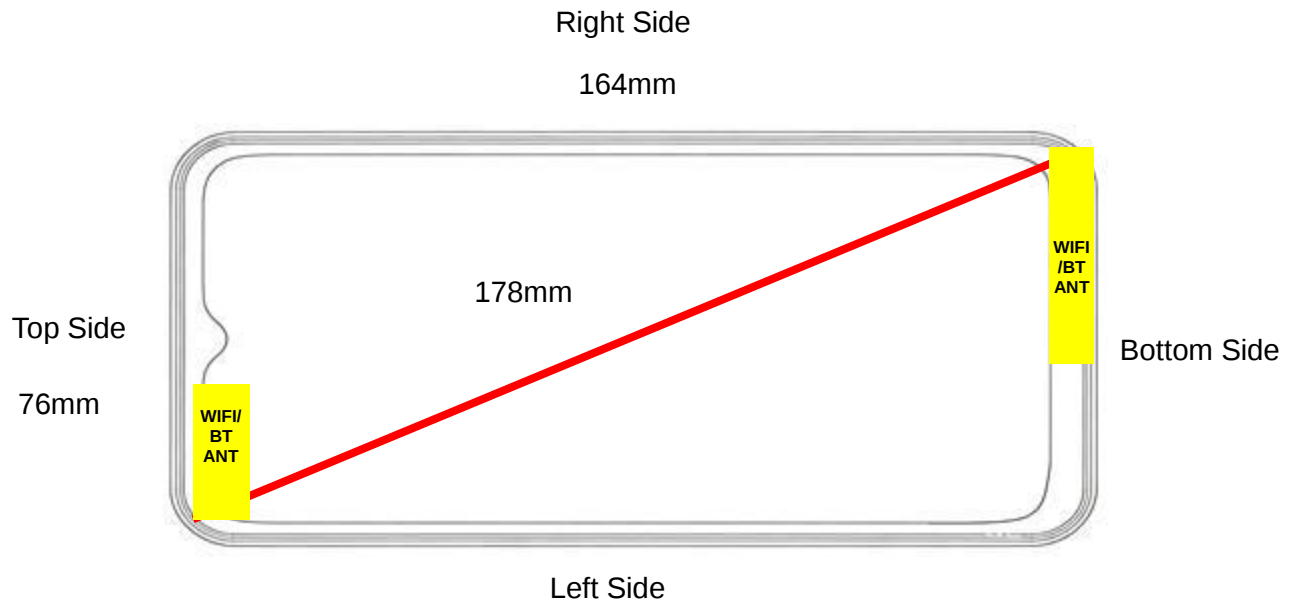
NOTE: Power measurement results of WLAN 5.8G.

BR+EDR	Output Power (dBm)				
	Data Rates	Tune-up (dBm)	Channel		
			0CH	39CH	78CH
	1M	2.50	2.03	2.01	1.51
	2M	3.00	2.71	2.37	1.85
	3M	3.00	2.50	2.72	2.22

BLE	Output Power (dBm)				
	Data Rates	Tune-up (dBm)	Channe		
			0CH	19CH	39CH
	1M	1.50	0.18	1.42	0.55
	2M	1.50	0.11	1.37	0.5

NOTE: Power measurement results of Bluetooth.

8. Antenna Location



Note: Since the confidentiality request of EUT, the antenna location example diagram see as above.

Distance of the Antenna to the EUT surface/edge						
Antennas	Front Side	Back Side	Left Side	Right Side	Top Side	Bottom Side
WWAN ANT	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	>25mm	≤ 25mm
WLAN & Bluetooth	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	>25mm
Positions for SAR tests						
Antennas	Front Side	Back Side	Left Side	Right Side	Top Side	Bottom Side
WWAN ANT	Yes	Yes	NO	Yes	NO	Yes
WLAN & Bluetooth	Yes	Yes	Yes	NO	Yes	NO

9. Stand-alone SAR test exclusion

Refer to FCC KDB 447498D01, the 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- $f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

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

Mode	P_{max} (dBm)	P_{max} (mW)	Distance (mm)	f (GHz)	Calculation Result	SAR Exclusion threshold	SAR test exclusion
Bluetooth	3.00	1.995	5	2.480	0.628	3	Yes

NOTE: Standalone SAR test exclusion for Bluetooth.

When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}/x] \text{ W/kg}$ for test separation distances $\leq 50\text{mm}$, where $x = 7.5$ for 1-g SAR and $x = 18.75$ for 10-g SAR.

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

Mode	Position	P_{max} (dBm)	P_{max} (mW)	Distance (mm)	f (GHz)	x	Estimated SAR (W/Kg)
Bluetooth	Head	3.00	1.995	5	2.48	7.5	0.084
Bluetooth	Body	3.00	1.995	10	2.48	7.5	0.084
Bluetooth	Hotspot	3.00	1.995	10	2.48	7.5	0.042

NOTE: Estimated SAR calculation for Bluetooth

10. SAR Results

10.1. SAR measurement Result

10.1.1. SAR measurement Result of GSM850

Test Position of Head	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(±5%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Left Cheek	189/836.4	GPRS(GMSK 2TS)	0.253	0.193	2.05	30.45	31.00	0.287	2026/3/16	1#
Left Tilt 15 Degree	189/836.4	GPRS(GMSK 2TS)	0.122	0.100	3.61	30.45	31.00	0.138	2026/3/16	
Right Cheek	189/836.4	GPRS(GMSK 2TS)	0.214	0.175	2.80	30.45	31.00	0.243	2026/3/16	
Right Tilt 15 Degree	189/836.4	GPRS(GMSK 2TS)	0.113	0.091	0.45	30.45	31.00	0.128	2026/3/16	

NOTE: Head SAR test results of GSM850.

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift(±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1g	10g						
Front Side	189/836.4	GPRS(GMSK 2TS)	0.135	0.082	1.78	30.45	31.00	0.153	2026/3/16	
Back Side	189/836.4	GPRS(GMSK 2TS)	0.257	0.160	3.96	30.45	31.00	0.292	2026/3/16	2#

NOTE: Body-Worn SAR test results of GSM850

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift(±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	189/836.4	GPRS(GMSK 2TS)	0.135	0.082	1.78	30.45	31.00	0.153	2026/3/16	
Back Side	189/836.4	GPRS(GMSK 2TS)	0.257	0.160	3.96	30.45	31.00	0.292	2026/3/16	2#
Right Side	189/836.4	GPRS(GMSK 2TS)	0.232	0.143	3.21	30.45	31.00	0.263	2026/3/16	
Bottom Side	189/836.4	GPRS(GMSK 2TS)	0.052	0.031	2.47	30.45	31.00	0.059	2026/3/16	

NOTE: 1.Hotspot SAR test results of GSM850

2. Tested by : Max Zhou

10.1.2. SAR measurement Result of GSM1900

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Left Cheek	661/1880	GPRS(GMSK 3TS)	0.043	0.026	2.24	24.96	25.50	0.049	2026/3/07	3#
Left Tilt 15 Degree	661/1880	GPRS(GMSK 3TS)	0.022	0.013	1.22	24.96	25.50	0.025	2026/3/07	
Right Cheek	661/1880	GPRS(GMSK 3TS)	0.037	0.022	2.42	24.96	25.50	0.042	2026/3/07	
Right Tilt 15 Degree	661/1880	GPRS(GMSK 3TS)	0.018	0.016	-0.83	24.96	25.50	0.020	2026/3/07	

NOTE: Head SAR test results of GSM1900

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Front Side	661/1880	GPRS(GMSK 3TS)	0.332	0.166	-1.41	24.96	25.50	0.376	2026/3/07	
Back Side	661/1880	GPRS(GMSK 3TS)	0.408	0.198	-1.25	24.96	25.50	0.462	2026/3/07	

NOTE: Body-Worn SAR test results of GSM1900

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	661/1880	GPRS(GMSK 3TS)	0.332	0.166	-1.41	24.96	25.50	0.376	2026/3/07	
Back Side	661/1880	GPRS(GMSK 3TS)	0.408	0.198	-1.25	24.96	25.50	0.462	2026/3/07	
Right Side	661/1880	GPRS(GMSK 3TS)	0.123	0.061	2.58	24.96	25.50	0.139	2026/3/07	
Bottom Side	661/1880	GPRS(GMSK 3TS)	0.465	0.237	1.21	24.96	25.50	0.527	2026/3/07	4#

NOTE: 1.Hotspot SAR test results of GSM1900

2.Tested by : Jack Peng

10.1.3. SAR measurement Result of WCDMA Band 2

Test Position of Head	Test channel /Freq	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Left Cheek	9400/1880	RMC12.2K	0.019	0.012	4.69	23.71	24.00	0.020	2026/3/07	5#
Left Tilt 15 Degree	9400/1880	RMC12.2K	0.011	0.009	-0.04	23.71	24.00	0.012	2026/3/07	
Right Cheek	9400/1880	RMC12.2K	0.017	0.015	0.76	23.71	24.00	0.018	2026/3/07	
Right Tilt 15 Degree	9400/1880	RMC12.2K	0.009	0.007	-3.25	23.71	24.00	0.010	2026/3/07	

NOTE: Head SAR test results of WCDMA Band 2

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Front Side	9400/1880	RMC12.2K	0.111	0.059	1.01	23.71	24.00	0.119	2026/3/07	
Back Side	9400/1880	RMC12.2K	0.128	0.068	-2.99	23.71	24.00	0.137	2026/3/07	

NOTE: Body-Worn SAR test results of WCDMA Band 2

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	9400/1880	RMC12.2K	0.111	0.059	1.01	23.71	24.00	0.119	2026/3/07	
Back Side	9400/1880	RMC12.2K	0.128	0.068	-2.99	23.71	24.00	0.137	2026/3/07	
Right Side	9400/1880	RMC12.2K	0.040	0.021	-0.58	23.71	24.00	0.043	2026/3/07	
Bottom Side	9400/1880	RMC12.2K	0.148	0.080	-0.44	23.71	24.00	0.158	2026/3/07	6#

NOTE: 1.Hotspot SAR test results of WCDMA Band 2

2. Tested by : Jack Peng

10.1.4. SAR measurement Result of WCDMA Band 4

Test Position of Head	Test channel /Freq	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Left Cheek	1413/1732.6	RMC12.2K	0.178	0.115	-0.01	22.50	23.00	0.200	2026/3/06	7#

Left Tilt 15 Degree	1413/1732.6	RMC12.2K	0.091	0.059	-2.51	22.50	23.00	0.102	2026/3/06	
Right Cheek	1413/1732.6	RMC12.2K	0.165	0.103	-0.95	22.50	23.00	0.185	2026/3/06	
Right Tilt 15 Degree	1413/1732.6	RMC12.2K	0.080	0.051	3.70	22.50	23.00	0.090	2026/3/06	

NOTE: Head SAR test results of WCDMA Band 4

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Front Side	1413/1732.6	RMC12.2K	0.306	0.171	2.09	22.50	23.00	0.343	2026/3/06	
Back Side	1413/1732.6	RMC12.2K	0.408	0.219	3.06	22.50	23.00	0.458	2026/3/06	

NOTE: Body-Worn SAR test results of WCDMA Band 4

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	1413/1732.6	RMC12.2K	0.306	0.171	2.09	22.50	23.00	0.343	2026/3/06	
Back Side	1413/1732.6	RMC12.2K	0.408	0.219	3.06	22.50	23.00	0.458	2026/3/06	
Right Side	1413/1732.6	RMC12.2K	0.123	0.069	2.88	22.50	23.00	0.138	2026/3/06	
Bottom Side	1413/1732.6	RMC12.2K	0.594	0.326	-0.80	22.50	23.00	0.666	2026/3/06	8#

NOTE: Hotspot SAR test results of WCDMA Band 4

10.1.5. SAR measurement Result of WCDMA Band 5

Test Position of Head	Test channel /Freq	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Right Cheek	4182/836.4	RMC12.2K	0.133	0.095	4.47	23.29	24.00	0.157	2026/3/16	9#
Right Tilt 15 Degree	4182/836.4	RMC12.2K	0.076	0.054	0.60	23.29	24.00	0.089	2026/3/16	
Left Cheek	4182/836.4	RMC12.2K	0.117	0.083	3.01	23.29	24.00	0.138	2026/3/16	
Left Tilt 15 Degree	4182/836.4	RMC12.2K	0.057	0.040	1.41	23.29	24.00	0.067	2026/3/16	

NOTE: Head SAR test results of WCDMA Band 5

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Front Side	4182/836.4	RMC12.2K	0.105	0.066	-1.24	23.29	24.00	0.124	2026/3/16	
Back Side	4182/836.4	RMC12.2K	0.197	0.123	-3.20	23.29	24.00	0.232	2026/3/16	10#

NOTE: Body-Worn SAR test results of WCDMA Band 5

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	4182/836.4	RMC12.2K	0.105	0.066	-1.24	23.29	24.00	0.124	2026/3/16	
Back Side	4182/836.4	RMC12.2K	0.197	0.123	-3.20	23.29	24.00	0.232	2026/3/16	10#
Right Side	4182/836.4	RMC12.2K	0.192	0.115	2.07	23.29	24.00	0.226	2026/3/16	
Bottom Side	4182/836.4	RMC12.2K	0.048	0.029	0.83	23.29	24.00	0.057	2026/3/16	

NOTE: 1.Hotspot SAR test results of WCDMA Band 5

2.Tested by : Max Zhou

10.1.6. SAR measurement Result of LTE Band 2

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Left Cheek	18900/1880	20M QPSK(1,0)	0.072	0.045	0.37	22.52	23.00	0.080	2026/3/07	17#
Left Tilt 15 Degree	18900/1880	20M QPSK(1,0)	0.040	0.024	1.20	22.52	23.00	0.045	2026/3/07	
Right Cheek	18900/1880	20M QPSK(1,0)	0.064	0.038	-1.24	22.52	23.00	0.071	2026/3/07	
Right Tilt 15	18900/1880	20M QPSK(1,0)	0.034	0.020	-1.62	22.52	23.00	0.038	2026/3/07	

Degree										
50%RB										
Left Cheek	18900/1880	20M QPSK(50,49)	0.042	0.026	-3.04	20.70	21.00	0.045	2026/3/07	
Left Tilt 15 Degree	18900/1880	20M QPSK(50,49)	0.021	0.013	-4.27	20.70	21.00	0.023	2026/3/07	
Right Cheek	18900/1880	20M QPSK(50,49)	0.036	0.020	0.89	20.70	21.00	0.039	2026/3/07	
Right Tilt 15 Degree	18900/1880	20M QPSK(50,49)	0.020	0.011	0.20	20.70	21.00	0.021	2026/3/07	

NOTE: Head SAR test results of LTE Band 2

Test Position of Body- Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
1RB										
Front Side	18900/1880	20M QPSK(1,0)	0.306	0.160	0.85	22.52	23.00	0.342	2026/3/07	
Back Side	18900/1880	20M QPSK(1,0)	0.360	0.189	1.95	22.52	23.00	0.402	2026/3/07	
50%RB										
Front Side	18900/1880	20M QPSK(50,49)	0.181	0.095	-0.57	20.70	21.00	0.194	2026/3/07	
Back Side	18900/1880	20M QPSK(50,49)	0.200	0.109	1.36	20.70	21.00	0.214	2026/3/07	

NOTE: Body-Worn SAR test results of LTE Band 2

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										

Front Side	18900/1880	20M QPSK(1,0)	0.306	0.160	0.85	22.52	23.00	0.342	2026/3/07	
Back Side	18900/1880	20M QPSK(1,0)	0.360	0.189	1.95	22.52	23.00	0.402	2026/3/07	
Right Side	18900/1880	20M QPSK(1,0)	0.110	0.058	-1.81	22.52	23.00	0.123	2026/3/07	
Bottom Side	18900/1880	20M QPSK(1,0)	0.437	0.229	-1.83	22.52	23.00	0.488	2026/3/07	18#
50%RB										
Front Side	18900/1880	20M QPSK(50,49)	0.181	0.095	-0.57	20.70	21.00	0.194	2026/3/07	
Back Side	18900/1880	20M QPSK(50,49)	0.200	0.109	1.36	20.70	21.00	0.214	2026/3/07	
Right Side	18900/1880	20M QPSK(50,49)	0.066	0.029	1.92	20.70	21.00	0.071	2026/3/07	
Bottom Side	18900/1880	20M QPSK(50,49)	0.228	0.128	-0.44	20.70	21.00	0.244	2026/3/07	

10.1.7. SAR measurement Result of LTE Band 4

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Left Cheek	20175/1732.5	20M QPSK(1,0)	0.246	0.164	2.83	23.48	23.50	0.247	2026/3/06	19#
Left Tilt 15 Degree	20175/1732.5	20M QPSK(1,0)	0.141	0.092	3.75	23.48	23.50	0.142	2026/3/06	
Right Cheek	20175/1732.5	20M QPSK(1,0)	0.217	0.137	0.12	23.48	23.50	0.218	2026/3/06	
Right Tilt 15 Degree	20175/1732.5	20M QPSK(1,0)	0.101	0.067	1.10	23.48	23.50	0.101	2026/3/06	
50%RB										
Left Cheek	20175/1732.5	20M QPSK(50,0)	0.148	0.085	1.38	22.46	23.00	0.168	2026/3/06	
Left Tilt 15 Degree	20175/1732.5	20M QPSK(50,0)	0.082	0.048	4.02	22.46	23.00	0.093	2026/3/06	

Right Cheek	20175/1732.5	20M QPSK(50,0)	0.127	0.079	0.26	22.46	23.00	0.144	2026/3/06	
Right Tilt 15 Degree	20175/1732.5	20M QPSK(50,0)	0.058	0.036	4.74	22.46	23.00	0.066	2026/3/06	

NOTE: Head SAR test results of LTE Band 4

Test Position of Body- Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
1RB										
Front Side	20175/1732.5	20M QPSK(1,0)	0.455	0.251	-1.44	23.48	23.50	0.457	2026/3/06	
Back Side	20175/1732.5	20M QPSK(1,0)	0.490	0.267	-3.24	23.48	23.50	0.492	2026/3/06	
50%RB										
Front Side	20175/1732.5	20M QPSK(50,0)	0.236	0.129	-0.89	22.46	23.00	0.267	2026/3/06	
Back Side	20175/1732.5	20M QPSK(50,0)	0.289	0.175	-1.46	22.46	23.00	0.327	2026/3/06	

NOTE: Body-Worn SAR test results of LTE Band 4

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	20175/1732.5	20M QPSK(1,0)	0.455	0.251	-1.44	23.48	23.50	0.457	2026/3/06	
Back Side	20175/1732.5	20M QPSK(1,0)	0.490	0.267	-3.24	23.48	23.50	0.492	2026/3/06	
Right Side	20175/1732.5	20M QPSK(1,0)	0.165	0.088	3.06	23.48	23.50	0.166	2026/3/06	
Bottom	20175/1732.5	20M	0.658	0.366	-0.87	23.48	23.50	0.661	2026/3/06	20#

Side		QPSK(1,0)								
50%RB										
Front Side	20175/1732.5	20M QPSK(50,0)	0.236	0.129	-0.89	22.46	23.00	0.267	2026/3/06	
Back Side	20175/1732.5	20M QPSK(50,0)	0.289	0.175	-1.46	22.46	23.00	0.327	2026/3/06	
Right Side	20175/1732.5	20M QPSK(50,0)	0.094	0.045	1.45	22.46	23.00	0.106	2026/3/06	
Bottom Side	20175/1732.5	20M QPSK(50,0)	0.385	0.200	-1.46	22.46	23.00	0.436	2026/3/06	

10.1.8. SAR measurement Result of LTE Band 5

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Left Cheek	20525/836.5	10M QPSK(1,0)	0.118	0.079	1.57	23.91	24.50	0.135	2026/3/16	21#
Left Tilt 15 Degree	20525/836.5	10M QPSK(1,0)	0.064	0.042	0.68	23.91	24.50	0.073	2026/3/16	
Right Cheek	20525/836.5	10M QPSK(1,0)	0.100	0.066	-1.66	23.91	24.50	0.115	2026/3/16	
Right Tilt 15 Degree	20525/836.5	10M QPSK(1,0)	0.047	0.031	-3.65	23.91	24.50	0.054	2026/3/16	
50%RB										
Left Cheek	20525/836.5	10M QPSK(25,0)	0.064	0.040	-2.38	23.27	24.00	0.076	2026/3/16	
Left Tilt 15 Degree	20525/836.5	10M QPSK(25,0)	0.036	0.025	4.46	23.27	24.00	0.043	2026/3/16	
Right Cheek	20525/836.5	10M QPSK(25,0)	0.053	0.036	-4.17	23.27	24.00	0.063	2026/3/16	
Right Tilt 15 Degree	20525/836.5	10M QPSK(25,0)	0.024	0.017	-0.42	23.27	24.00	0.028	2026/3/16	

NOTE: Head SAR test results of LTE Band 5

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
1RB										
Front Side	20525/836.5	10M QPSK(1,0)	0.060	0.038	1.28	23.91	24.50	0.069	2026/3/16	
Back Side	20525/836.5	10M QPSK(1,0)	0.108	0.071	0.96	23.91	24.50	0.124	2026/3/16	22#
50%RB										
Front Side	20525/836.5	10M QPSK(25,0)	0.035	0.020	2.32	23.27	24.00	0.041	2026/3/16	
Back Side	20525/836.5	10M QPSK(25,0)	0.064	0.040	1.48	23.27	24.00	0.076	2026/3/16	

NOTE: Body-Worn SAR test results of LTE Band 5

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	20525/836.5	10M QPSK(1,0)	0.060	0.038	1.28	23.91	24.50	0.069	2026/3/16	
Back Side	20525/836.5	10M QPSK(1,0)	0.108	0.071	0.96	23.91	24.50	0.124	2026/3/16	22#
Right Side	20525/836.5	10M QPSK(1,0)	0.096	0.061	-1.66	23.91	24.50	0.110	2026/3/16	
Bottom Side	20525/836.5	10M QPSK(1,0)	0.022	0.014	-0.17	23.91	24.50	0.025	2026/3/16	
50%RB										
Front Side	20525/836.5	10M QPSK(25,0)	0.035	0.020	2.32	23.27	24.00	0.041	2026/3/16	
Back Side	20525/836.5	10M QPSK(25,0)	0.064	0.040	1.48	23.27	24.00	0.076	2026/3/16	

2. Tested by : Max Zhou

10.1.9. SAR measurement Result of LTE Band 7

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Left Cheek	21100/2535	20M QPSK(1,49)	0.048	0.031	2.66	23.07	23.50	0.053	2026/3/03	23#
Left Tilt 15 Degree	21100/2535	20M QPSK(1,49)	0.026	0.017	-3.08	23.07	23.50	0.029	2026/3/03	
Right Cheek	21100/2535	20M QPSK(1,49)	0.043	0.027	1.71	23.07	23.50	0.047	2026/3/03	
Right Tilt 15 Degree	21100/2535	20M QPSK(1,49)	0.021	0.013	-3.33	23.07	23.50	0.023	2026/3/03	
50%RB										
Left Cheek	21100/2535	20M QPSK(50,0)	0.024	0.016	-3.03	22.28	23.00	0.028	2026/3/03	
Left Tilt 15 Degree	21100/2535	20M QPSK(50,0)	0.015	0.009	-1.46	22.28	23.00	0.018	2026/3/03	
Right Cheek	21100/2535	20M QPSK(50,0)	0.023	0.014	-3.89	22.28	23.00	0.027	2026/3/03	
Right Tilt 15 Degree	21100/2535	20M QPSK(50,0)	0.012	0.007	4.43	22.28	23.00	0.014	2026/3/03	

NOTE: Head SAR test results of LTE Band 7

Test Position of Body-W	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						

orn with 10mm										
1RB										
Front Side	21100/2535	20M QPSK(1,49)	0.130	0.061	2.48	23.07	23.50	0.144	2026/3/03	
Back Side	21100/2535	20M QPSK(1,49)	0.208	0.098	-0.75	23.07	23.50	0.230	2026/3/03	
50%RB										
Front Side	21100/2535	20M QPSK(50,0)	0.067	0.031	2.13	22.28	23.00	0.079	2026/3/03	
Back Side	21100/2535	20M QPSK(50,0)	0.110	0.053	0.91	22.28	23.00	0.130	2026/3/03	

NOTE: Body-Worn SAR test results of LTE Band 7

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	21100/2535	20M QPSK(1,49)	0.130	0.061	2.48	23.07	23.50	0.144	2026/3/03	
Back Side	21100/2535	20M QPSK(1,49)	0.208	0.098	-0.75	23.07	23.50	0.230	2026/3/03	
Right Side	21100/2535	20M QPSK(1,49)	0.112	0.054	-1.97	23.07	23.50	0.124	2026/3/03	
Bottom Side	21100/2535	20M QPSK(1,49)	0.258	0.128	2.10	23.07	23.50	0.285	2026/3/03	24#
50%RB										
Front Side	21100/2535	20M QPSK(50,0)	0.067	0.031	2.13	22.28	23.00	0.079	2026/3/03	
Back Side	21100/2535	20M QPSK(50,0)	0.110	0.053	0.91	22.28	23.00	0.130	2026/3/03	
Right Side	21100/2535	20M QPSK(50,0)	0.065	0.028	-0.85	22.28	23.00	0.077	2026/3/03	
Bottom Side	21100/2535	20M QPSK(50,0)	0.145	0.065	2.18	22.28	23.00	0.171	2026/3/03	

NOTE: 1.Hotspot SAR test results of LTE Band 7

2. Tested by : Max Zhou

10.1.10. SAR measurement Result of LTE Band 12

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Left Cheek	23095/707.5	10M QPSK(1,49)	0.072	0.052	4.37	22.24	23.00	0.086	2026/3/14	25#
Left Tilt 15 Degree	23095/707.5	10M QPSK(1,49)	0.038	0.027	1.06	22.24	23.00	0.045	2026/3/14	
Right Cheek	23095/707.5	10M QPSK(1,49)	0.067	0.046	1.38	22.24	23.00	0.080	2026/3/14	
Right Tilt 15 Degree	23095/707.5	10M QPSK(1,49)	0.034	0.025	-2.98	22.24	23.00	0.041	2026/3/14	
50%RB										
Left Cheek	23095/707.5	10M QPSK(25,24)	0.041	0.028	-2.15	21.63	22.50	0.050	2026/3/14	
Left Tilt 15 Degree	23095/707.5	10M QPSK(25,24)	0.020	0.015	4.66	21.63	22.50	0.024	2026/3/14	
Right Cheek	23095/707.5	10M QPSK(25,24)	0.034	0.025	4.61	21.63	22.50	0.042	2026/3/14	
Right Tilt 15 Degree	23095/707.5	10M QPSK(25,24)	0.020	0.015	2.11	21.63	22.50	0.024	2026/3/14	

NOTE: Head SAR test results of LTE Band 12

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	23095/707.5	10M QPSK(1,49)	0.065	0.049	-0.56	22.24	23.00	0.077	2026/3/14	
Back Side	23095/707.5	10M QPSK(1,49)	0.125	0.095	-1.13	22.24	23.00	0.149	2026/3/14	26#

50%RB										
Front Side	23095/707.5	10M QPSK(25,24)	0.036	0.026	1.51	21.63	22.50	0.044	2026/3/14	
Back Side	23095/707.5	10M QPSK(25,24)	0.073	0.054	-2.65	21.63	22.50	0.089	2026/3/14	

NOTE: Body-Worn SAR test results of LTE Band 12

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	23095/707.5	10M QPSK(1,49)	0.065	0.049	-0.56	22.24	23.00	0.077	2026/3/14	
Back Side	23095/707.5	10M QPSK(1,49)	0.125	0.095	-1.13	22.24	23.00	0.149	2026/3/14	26#
Right Side	23095/707.5	10M QPSK(1,49)	0.120	0.088	-1.61	22.24	23.00	0.143	2026/3/14	
Bottom Side	23095/707.5	10M QPSK(1,49)	0.030	0.022	-3.55	22.24	23.00	0.036	2026/3/14	
50%RB										
Front Side	23095/707.5	10M QPSK(25,24)	0.036	0.026	1.51	21.63	22.50	0.044	2026/3/14	
Back Side	23095/707.5	10M QPSK(25,24)	0.073	0.054	-2.65	21.63	22.50	0.089	2026/3/14	
Right Side	23095/707.5	10M QPSK(25,24)	0.063	0.049	0.85	21.63	22.50	0.077	2026/3/14	
Bottom Side	23095/707.5	10M QPSK(25,24)	0.016	0.012	0.78	21.63	22.50	0.020	2026/3/14	

NOTE:1. Hotspot SAR test results of LTE Band 12

2. Tested by : Jack Peng

10.1.11. SAR measurement Result of LTE Band 17

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						

1RB										
Left Cheek	23790/710	10M QPSK(1,24)	0.076	0.050	1.35	22.20	22.50	0.081	2026/3/14	27#
Left Tilt 15 Degree	23790/710	10M QPSK(1,24)	0.046	0.029	3.86	22.20	22.50	0.049	2026/3/14	
Right Cheek	23790/710	10M QPSK(1,24)	0.065	0.041	0.10	22.20	22.50	0.070	2026/3/14	
Right Tilt 15 Degree	23790/710	10M QPSK(1,24)	0.032	0.021	1.17	22.20	22.50	0.034	2026/3/14	
50%RB										
Left Cheek	23790/710	10M QPSK(25,0)	0.038	0.025	-2.63	21.57	22.50	0.047	2026/3/14	
Left Tilt 15 Degree	23790/710	10M QPSK(25,0)	0.024	0.015	1.03	21.57	22.50	0.030	2026/3/14	
Right Cheek	23790/710	10M QPSK(25,0)	0.037	0.024	3.62	21.57	22.50	0.046	2026/3/14	
Right Tilt 15 Degree	23790/710	10M QPSK(25,0)	0.017	0.011	-4.94	21.57	22.50	0.021	2026/3/14	

NOTE: Head SAR test results of LTE Band 17

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	23790/710	10M QPSK(1,24)	0.090	0.065	-3.89	22.20	22.50	0.096	2026/3/14	
Back Side	23790/710	10M QPSK(1,24)	0.135	0.103	-2.43	22.20	22.50	0.145	2026/3/14	28#
50%RB										
Front Side	23790/710	10M QPSK(25,0)	0.054	0.037	1.42	21.57	22.50	0.067	2026/3/14	
Back Side	23790/710	10M QPSK(25,0)	0.072	0.058	-2.83	21.57	22.50	0.089	2026/3/14	

NOTE: Body-Worn SAR test results of LTE Band 17

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	23790/710	10M QPSK(1,24)	0.090	0.065	-3.89	22.20	22.50	0.096	2026/3/14	
Back Side	23790/710	10M QPSK(1,24)	0.135	0.103	-2.43	22.20	22.50	0.145	2026/3/14	28#
Right Side	23790/710	10M QPSK(1,24)	0.120	0.092	0.39	22.20	22.50	0.129	2026/3/14	
Bottom Side	23790/710	10M QPSK(1,24)	0.018	0.016	-3.84	22.20	22.50	0.019	2026/3/14	
50%RB										
Front Side	23790/710	10M QPSK(25,0)	0.054	0.037	1.42	21.57	22.50	0.067	2026/3/14	
Back Side	23790/710	10M QPSK(25,0)	0.072	0.058	-2.83	21.57	22.50	0.089	2026/3/14	
Right Side	23790/710	10M QPSK(25,0)	0.065	0.053	-3.52	21.57	22.50	0.081	2026/3/14	
Bottom Side	23790/710	10M QPSK(25,0)	0.009	0.010	1.26	21.57	22.50	0.011	2026/3/14	

NOTE: 1.Hotspot SAR test results of LTE Band 17

2. Tested by : Jack Peng

10.1.12. SAR measurement Result of LTE Band 41

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Left Cheek	40620/2593	20M QPSK(1,99)	0.048	0.030	3.83	21.71	22.50	0.058	2026/3/08	29#
Left Tilt 15 Degree	40620/2593	20M QPSK(1,99)	0.027	0.016	-3.35	21.71	22.50	0.032	2026/3/08	
Right Cheek	40620/2593	20M QPSK(1,99)	0.043	0.026	2.41	21.71	22.50	0.052	2026/3/08	
Right	40620/2593	20M	0.020	0.018	-0.85	21.71	22.50	0.024	2026/3/08	

Tilt 15 Degree		QPSK(1,99)								
50%RB										
Left Cheek	40620/2593	20M QPSK(50,49)	0.024	0.018	-0.99	21.53	22.00	0.027	2026/3/08	
Left Tilt 15 Degree	40620/2593	20M QPSK(50,49)	0.015	0.008	-3.51	21.53	22.00	0.017	2026/3/08	
Right Cheek	40620/2593	20M QPSK(50,49)	0.023	0.014	1.79	21.53	22.00	0.026	2026/3/08	
Right Tilt 15 Degree	40620/2593	20M QPSK(50,49)	0.010	0.010	0.54	21.53	22.00	0.011	2026/3/08	

NOTE: Head SAR test results of LTE Band 41

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	40620/2593	20M QPSK(1,99)	0.130	0.057	2.34	21.71	22.50	0.156	2026/3/08	
Back Side	40620/2593	20M QPSK(1,99)	0.210	0.095	-1.97	21.71	22.50	0.252	2026/3/08	
50%RB										
Front Side	40620/2593	20M QPSK(50,49)	0.072	0.029	-3.38	21.53	22.00	0.080	2026/3/08	
Back Side	40620/2593	20M QPSK(50,49)	0.107	0.054	-1.87	21.53	22.00	0.119	2026/3/08	

NOTE: Body-Worn SAR test results of LTE Band 41

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front Side	40620/2593	20M QPSK(1,99)	0.130	0.057	2.34	21.71	22.50	0.156	2026/3/08	

Back Side	40620/2593	20M QPSK(1,99)	0.210	0.095	-1.97	21.71	22.50	0.252	2026/3/08	
Right Side	40620/2593	20M QPSK(1,99)	0.104	0.047	1.89	21.71	22.50	0.125	2026/3/08	
Bottom Side	40620/2593	20M QPSK(1,99)	0.258	0.120	0.59	21.71	22.50	0.309	2026/3/08	30#
50%RB										
Front Side	40620/2593	20M QPSK(50,49)	0.072	0.029	-3.38	21.53	22.00	0.080	2026/3/08	
Back Side	40620/2593	20M QPSK(50,49)	0.107	0.054	-1.87	21.53	22.00	0.119	2026/3/08	
Right Side	40620/2593	20M QPSK(50,49)	0.056	0.028	3.23	21.53	22.00	0.062	2026/3/08	
Bottom Side	40620/2593	20M QPSK(50,49)	0.148	0.064	1.50	21.53	22.00	0.165	2026/3/08	

NOTE: 1. Hotspot SAR test results of LTE Band 41

2. Tested by : Jack Peng

10.1.13. SAR measurement Result of WLAN2.4G

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Left Cheek	1/2412	802.11b	0.458	0.250	0.11	17.12	17.50	0.500	2026/3/17	15#
Left Tilt 15 Degree	1/2412	802.11b	0.244	0.133	-3.93	17.12	17.50	0.266	2026/3/17	
Right Cheek	1/2412	802.11b	0.409	0.217	2.83	17.12	17.50	0.446	2026/3/17	
Right Tilt 15 Degree	1/2412	802.11b	0.188	0.103	-0.02	17.12	17.50	0.205	2026/3/17	

NOTE: Head SAR test results of WLAN 2.4G

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	1/2412	802.11b	0.219	0.125	2.50	17.12	17.50	0.239	2026/3/17	

Back Side	1/2412	802.11b	0.302	0.160	-3.40	17.12	17.50	0.330	2026/3/17	
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NOTE: Body-worn SAR test results of WLAN 2.4G

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	1/2412	802.11b	0.219	0.125	2.50	17.12	17.50	0.239	2026/3/17	
Back Side	1/2412	802.11b	0.302	0.160	-3.40	17.12	17.50	0.330	2026/3/17	
Left Side	1/2412	802.11b	0.304	0.165	2.24	17.12	17.50	0.332	2026/3/17	16#
Top Side	1/2412	802.11b	0.093	0.054	2.37	17.12	17.50	0.102	2026/3/17	

NOTE: 1.Hotspot SAR test results of WLAN2.4G

2. Tested by : Max Zhou

10.1.14. SAR measurement Result of WLAN5.2G

Test Position of Head	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Left Cheek	42/5210	802.11ac VHT80	0.222	0.084	0.32	13.34	13.50	0.230	2026/3/18	11#
Left Tilt 15 Degree	42/5210	802.11ac VHT80	0.118	0.043	0.73	13.34	13.50	0.122	2026/3/18	
Right Cheek	42/5210	802.11ac VHT80	0.198	0.072	-3.59	13.34	13.50	0.205	2026/3/18	
Right Tilt 15 Degree	42/5210	802.11ac VHT80	0.109	0.040	3.71	13.34	13.50	0.113	2026/3/18	

NOTE: Head SAR test results of WLAN5.2G

Test Position of Body-Worn with 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						

Front Side	42/5210	802.11ac VHT80	0.081	0.030	-0.25	13.34	13.50	0.084	2026/3/18	
Back Side	42/5210	802.11ac VHT80	0.258	0.099	3.24	13.34	13.50	0.268	2026/3/18	12#

NOTE: Body-worn SAR test results of WLAN5.2G

Test Position of Hotspot with 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	42/5210	802.11ac VHT80	0.081	0.030	-0.25	13.34	13.50	0.084	2026/3/18	
Back Side	42/5210	802.11ac VHT80	0.258	0.099	3.24	13.34	13.50	0.268	2026/3/18	12#
Left Side	42/5210	802.11ac VHT80	0.108	0.041	3.29	13.34	13.50	0.112	2026/3/18	
Top Side	42/5210	802.11ac VHT80	0.240	0.092	-1.44	13.34	13.50	0.249	2026/3/18	

NOTE: 1.Hotspot SAR test results of WLAN5.2G

2. Tested by : Jack Peng

10.1.15. SAR measurement Result of WLAN5.8G

Test Position of Head	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Left Cheek	159/5795	802.11n HT40	0.507	0.192	4.22	12.07	12.50	0.560	2026/3/19	13#
Left Tilt 15 Degree	159/5795	802.11n HT40	0.256	0.095	3.34	12.07	12.50	0.283	2026/3/19	
Right Cheek	159/5795	802.11n HT40	0.478	0.174	2.56	12.07	12.50	0.528	2026/3/19	
Right Tilt 15 Degree	159/5795	802.11n HT40	0.215	0.081	1.83	12.07	12.50	0.237	2026/3/19	

NOTE: Head SAR test results of WLAN5.8G

Test Position of Body-Worn with 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	159/5795	802.11n HT40	0.162	0.060	-3.61	12.07	12.50	0.179	2026/3/19	
Back Side	159/5795	802.11n HT40	0.524	0.204	3.76	12.07	12.50	0.579	2026/3/19	14#

NOTE: Body-worn SAR test results of WLAN5.8G

Test Position of Hotspot with 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	159/5795	802.11n HT40	0.162	0.060	-3.61	12.07	12.50	0.179	2026/3/19	
Back Side	159/5795	802.11n HT40	0.524	0.204	3.76	12.07	12.50	0.579	2026/3/19	14#
Left Side	159/5795	802.11n HT40	0.228	0.085	2.88	12.07	12.50	0.252	2026/3/19	
Top Side	159/5795	802.11n HT40	0.424	0.157	3.18	12.07	12.50	0.468	2026/3/19	

NOTE: 1.Hotspot SAR test results of WLAN5.8G

2. Tested by : Max Zhou

10.2. Simultaneous Transmission Analysis

Per KDB 447498 D01, simultaneous transmission SAR is compliant if,

- 1) Scalar SAR summation $< 1.6\text{W/kg}$.
- 2) $\text{SPLSR} = (\text{SAR}_1 + \text{SAR}_2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates of the extrapolated peak SAR locations in the zoom scan. If $\text{SPLSR} \leq 0.04$, simultaneously transmission SAR measurement is not necessary.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WWAN	DTS			
Head	Left Cheek	0.287	0.5	0.787	N/A	N/A
	Left Tilt 15 Degree	0.142	0.266	0.408	N/A	N/A
	Right Cheek	0.243	0.446	0.689	N/A	N/A
	Right Tilt 15 Degree	0.128	0.205	0.333	N/A	N/A
Body-Worn	Front Side	0.457	0.239	0.696	N/A	N/A
	Back Side	0.492	0.33	0.822	N/A	N/A
Hotspot	Front Side	0.457	0.239	0.696	N/A	N/A
	Back Side	0.492	0.33	0.822	N/A	N/A
	Left Side	N/A	0.332	0.332	N/A	N/A
	Right Side	0.263	N/A	0.263	N/A	N/A
	Top Side	N/A	0.102	0.102	N/A	N/A
	Bottom Side	0.666	N/A	0.666	N/A	N/A

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WWAN	NII			
Head	Left Cheek	0.287	0.56	0.847	N/A	N/A
	Left Tilt 15 Degree	0.142	0.283	0.425	N/A	N/A
	Right Cheek	0.243	0.528	0.771	N/A	N/A
	Right Tilt 15 Degree	0.128	0.237	0.365	N/A	N/A

Body-Worn	Front Side	0.457	0.179	0.636	N/A	N/A
	Back Side	0.492	0.579	1.071	N/A	N/A
Hotspot	Front Side	0.457	0.179	0.636	N/A	N/A
	Back Side	0.492	0.579	1.071	N/A	N/A
	Left Side	N/A	0.252	0.252	N/A	N/A
	Right Side	0.263	N/A	0.263	N/A	N/A
	Top Side	N/A	0.468	0.468	N/A	N/A
	Bottom Side	0.666	N/A	0.666	N/A	N/A

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WWAN	DSS			
Head	Left Cheek	0.287	0.084	0.371	N/A	N/A
	Left Tilt 15 Degree	0.142	0.084	0.226	N/A	N/A
	Right Cheek	0.243	0.084	0.327	N/A	N/A
	Right Tilt 15 Degree	0.128	0.084	0.212	N/A	N/A
Body-Worn	Front Side	0.457	0.042	0.499	N/A	N/A
	Back Side	0.492	0.042	0.534	N/A	N/A
Hotspot	Front Side	0.457	0.042	0.499	N/A	N/A
	Back Side	0.492	0.042	0.534	N/A	N/A
	Left Side	N/A	0.042	0.042	N/A	N/A
	Right Side	0.263	N/A	0.263	N/A	N/A
	Top Side	N/A	0.042	0.042	N/A	N/A
	Bottom Side	0.666	N/A	0.666	N/A	N/A

11. Appendix A. Photo documentation

Refer to appendix Test Setup photo---SAR

12. Appendix B. System Check Plots

Table of contents
MEASUREMENT 1 System Performance Check - 750MHz
MEASUREMENT 2 System Performance Check - 835MHz
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MEASUREMENT 6 System Performance Check - 2450MHz
MEASUREMENT 7 System Performance Check - 2600MHz
MEASUREMENT 8 System Performance Check - 5200MHz
MEASUREMENT 9 System Performance Check - 5800MHz

1# System check at 750 MHz

Date of measurement: 14/3/2026

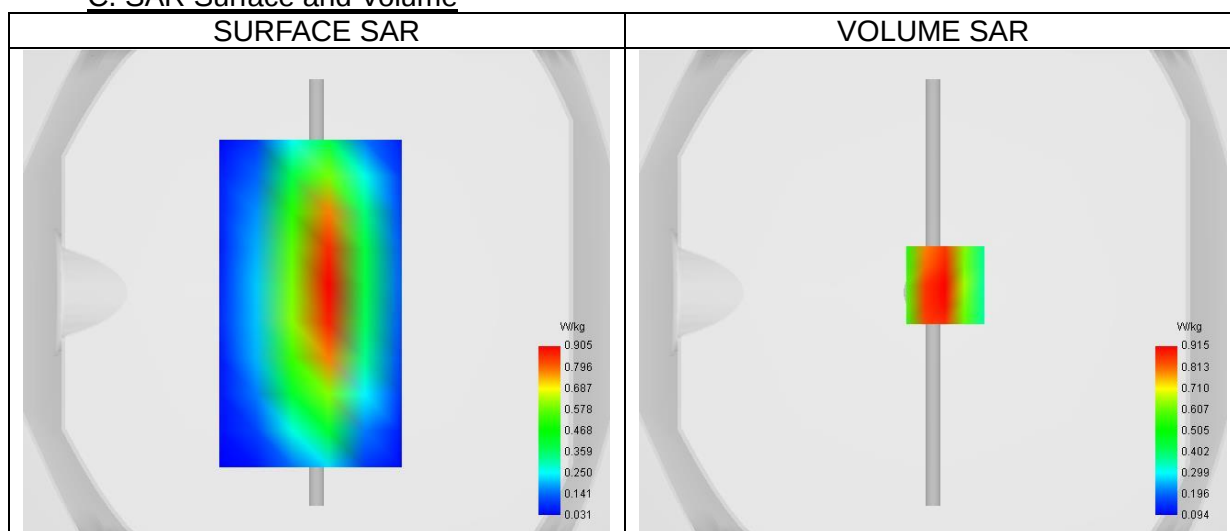
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.39
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW750
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	750.00
Relative permittivity (real part)	42.74
Relative permittivity (imaginary part)	22.13
Conductivity (S/m)	0.92

C. SAR Surface and Volume



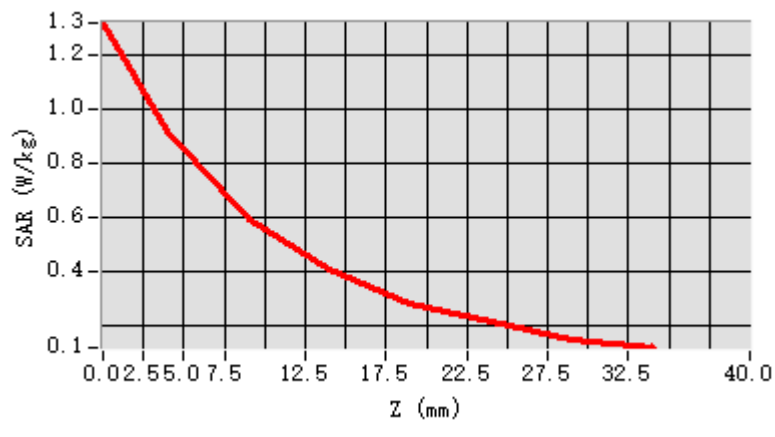
Maximum location: X=5.00, Y=3.00 ; SAR Peak: 1.36 W/kg

D. SAR 1g & 10g

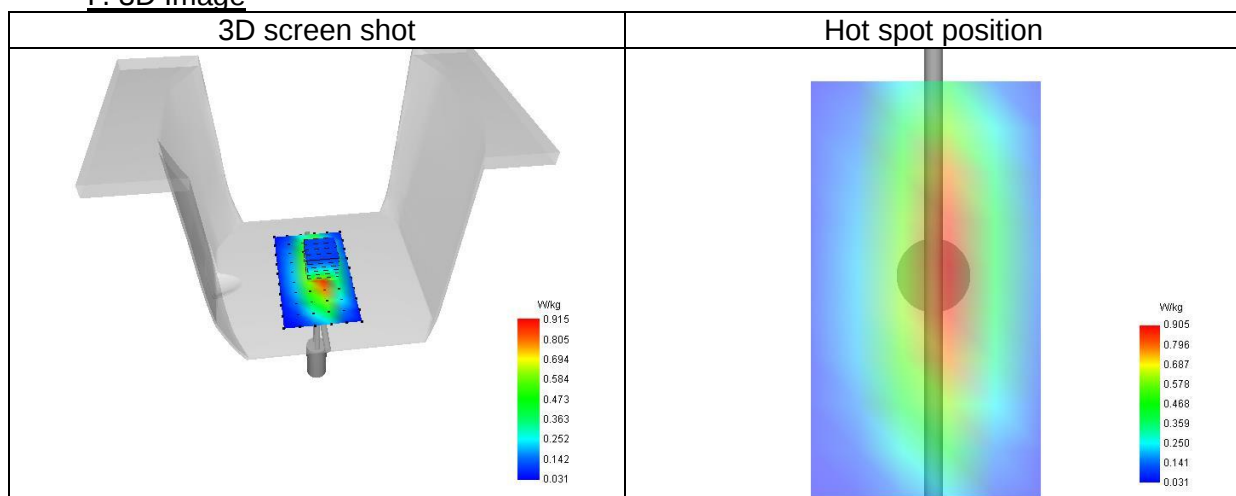
SAR 10g (W/Kg)	0.559
SAR 1g (W/Kg)	0.909
Variation (%)	-0.05
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	64.85

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.317	0.915	0.594	0.405	0.283	0.213	0.150



F. 3D Image



2# System check at 835 MHz
 Date of measurement: 16/3/2026

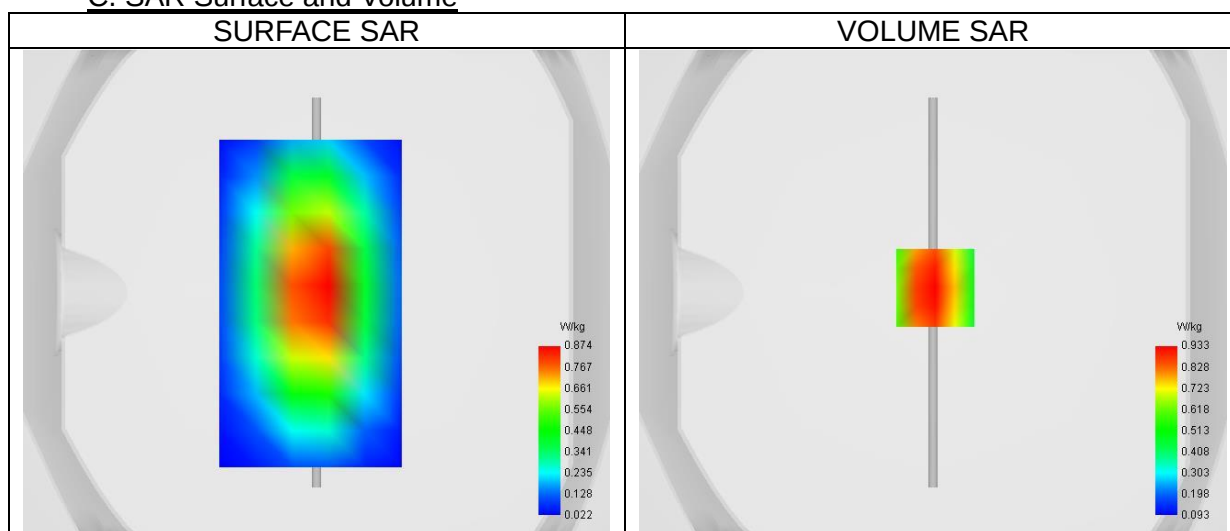
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW835
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	835.00
Relative permittivity (real part)	42.89
Relative permittivity (imaginary part)	20.04
Conductivity (S/m)	0.93

C. SAR Surface and Volume



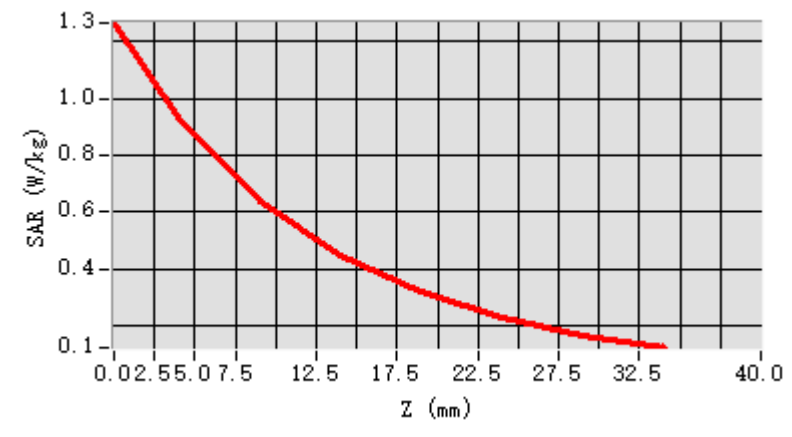
Maximum location: X=1.00, Y=2.00 ; SAR Peak: 1.28 W/kg

D. SAR 1g & 10g

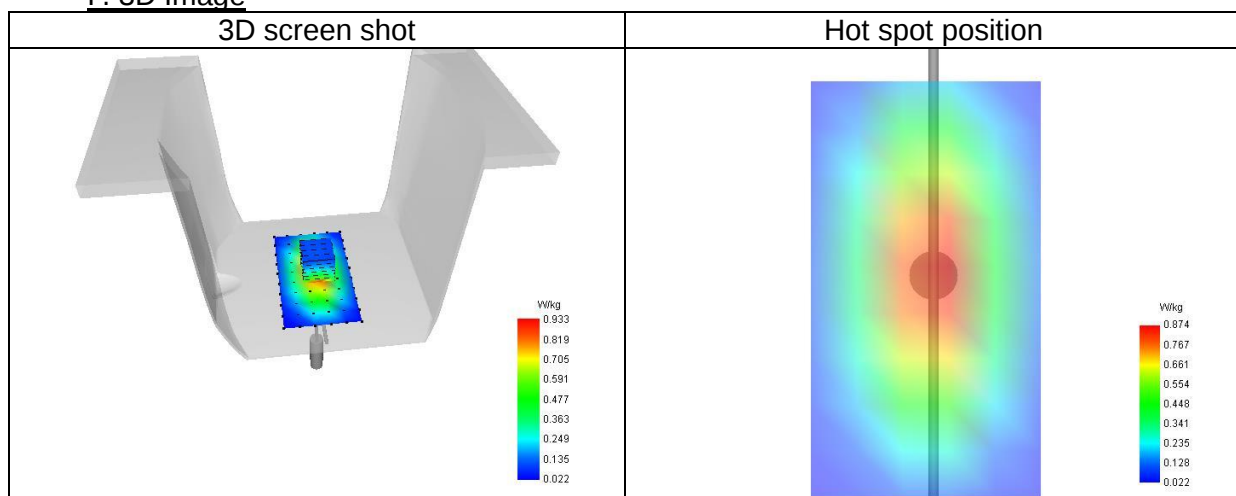
SAR 10g (W/Kg)	0.589
SAR 1g (W/Kg)	0.900
Variation (%)	-0.08
Horizontal validation criteria: minimum distance (mm)	22.63
Vertical validation criteria: SAR ratio M2/M1 (%)	68.61

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.267	0.933	0.640	0.448	0.317	0.229	0.165



F. 3D Image



3# System check at 1800 MHz
 Date of measurement: 6/3/2026

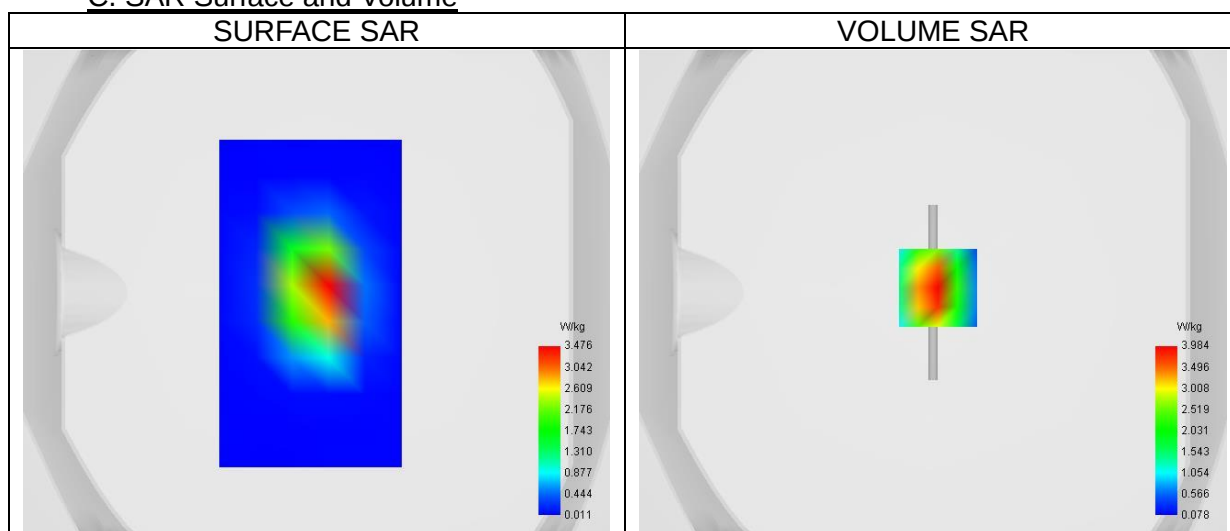
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.50
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	1800.00
Relative permittivity (real part)	39.86
Relative permittivity (imaginary part)	13.91
Conductivity (S/m)	1.39

C. SAR Surface and Volume



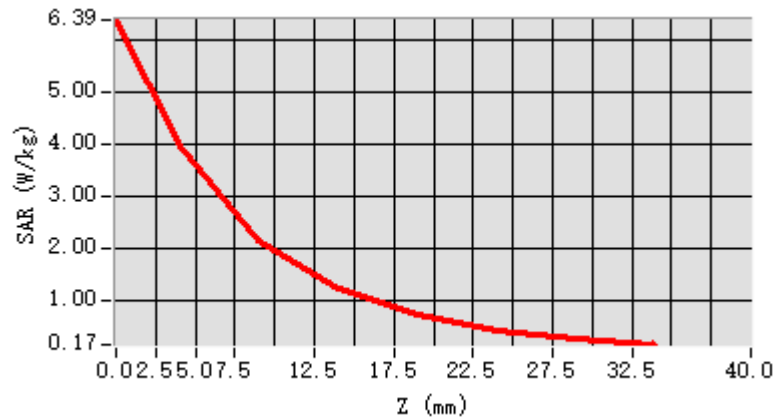
Maximum location: X=2.00, Y=2.00 ; SAR Peak: 6.53 W/kg

D. SAR 1g & 10g

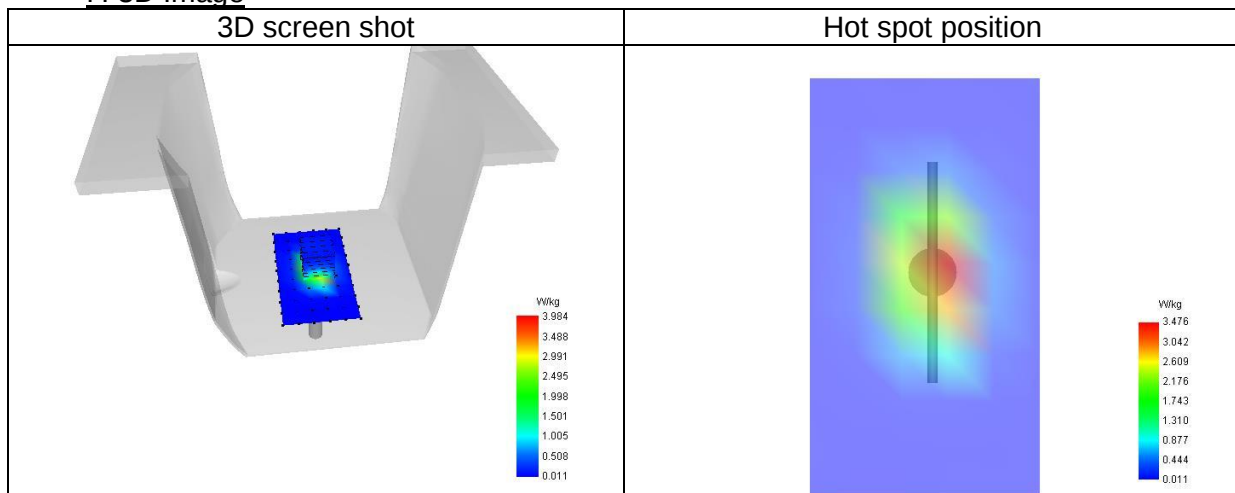
SAR 10g (W/Kg)	1.920
SAR 1g (W/Kg)	3.809
Variation (%)	-0.08
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	54.29

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.389	3.984	2.163	1.253	0.738	0.446	0.277



F. 3D Image



4# System check at 1900 MHz

Date of measurement: 7/3/2026

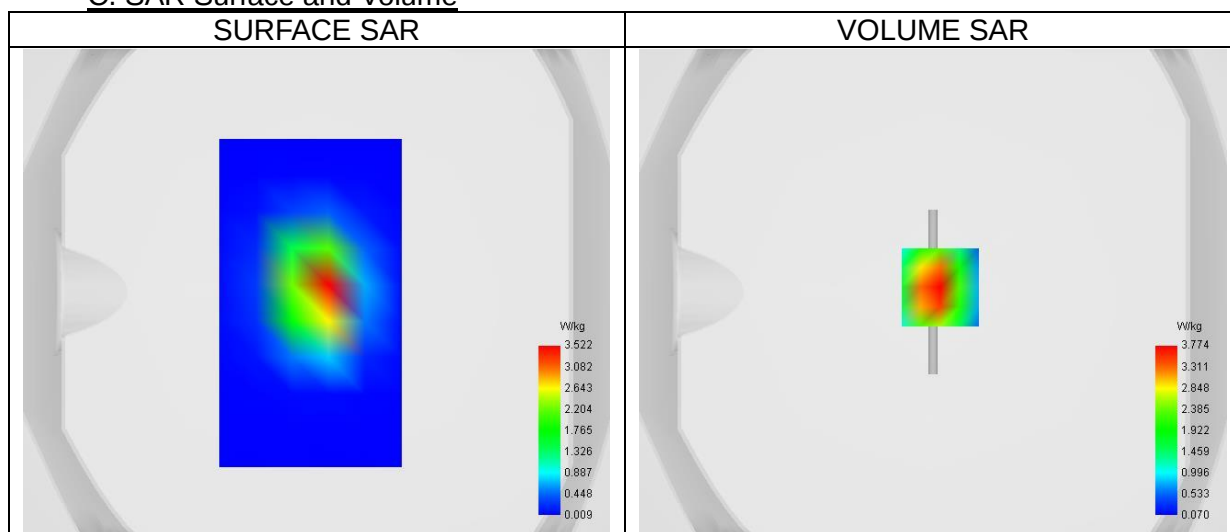
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	1900.00
Relative permittivity (real part)	39.43
Relative permittivity (imaginary part)	13.68
Conductivity (S/m)	1.44

C. SAR Surface and Volume



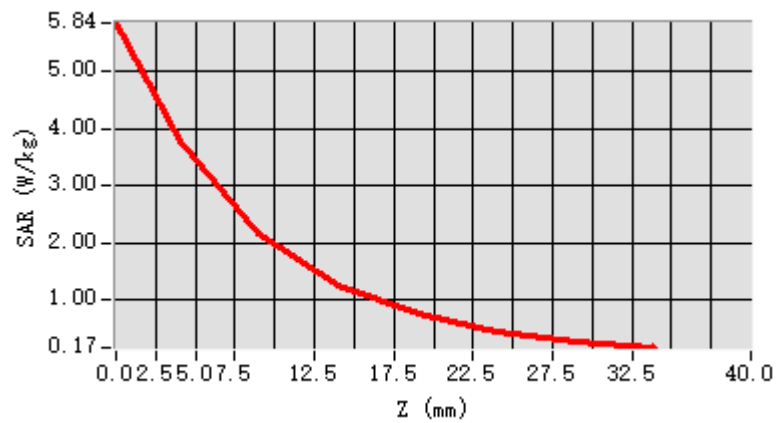
Maximum location: X=3.00, Y=2.00 ; SAR Peak: 5.99 W/kg

D. SAR 1g & 10g

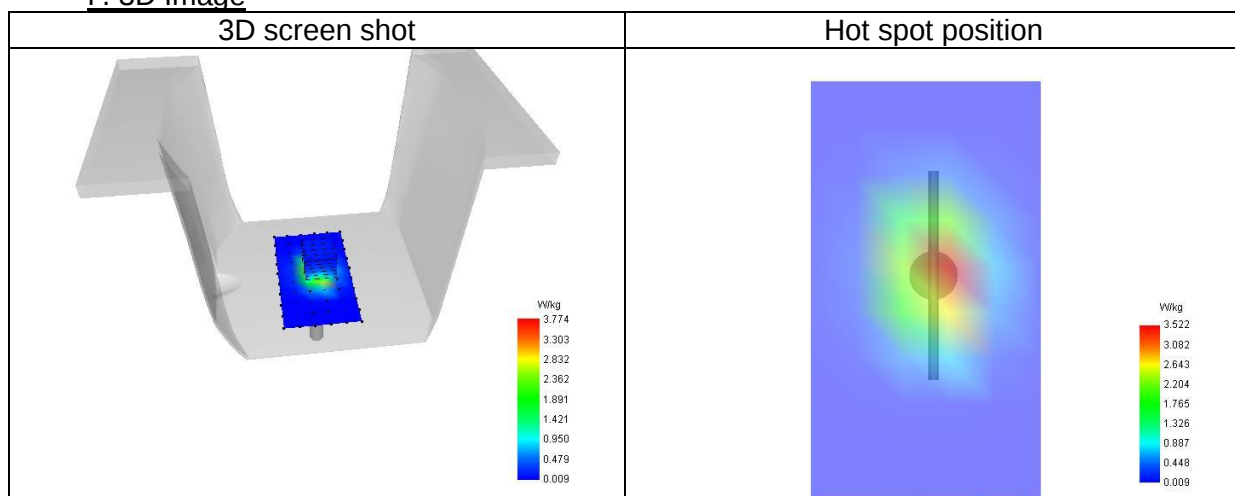
SAR 10g (W/Kg)	1.907
SAR 1g (W/Kg)	3.728
Variation (%)	-0.02
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	56.97

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	5.835	3.774	2.150	1.264	0.751	0.456	0.278



F. 3D Image



5# System check at 2450 MHz
Date of measurement: 17/3/2026

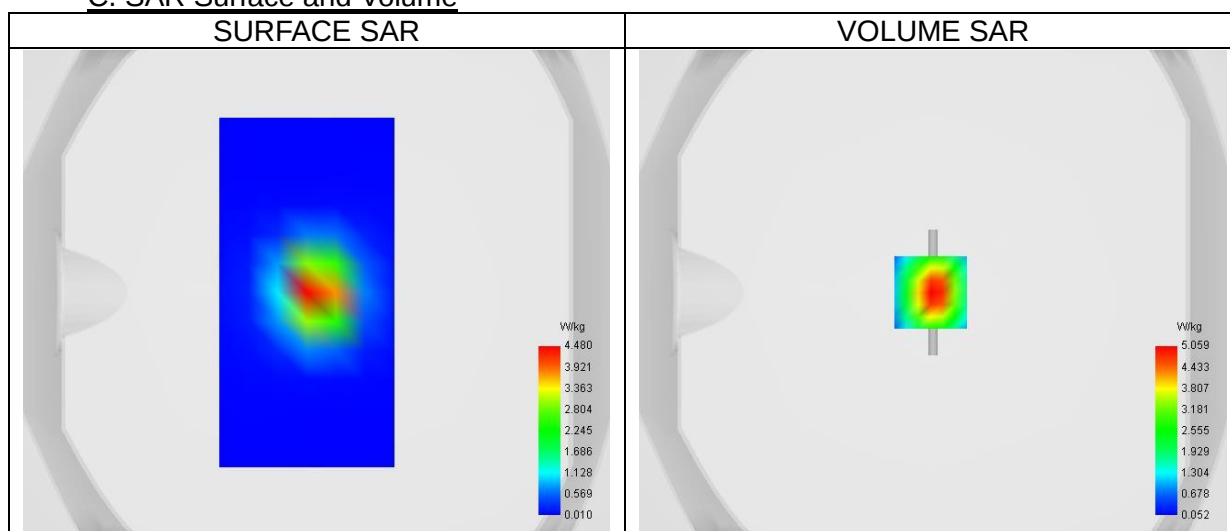
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.63
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	2450.00
Relative permittivity (real part)	40.85
Relative permittivity (imaginary part)	13.19
Conductivity (S/m)	1.80

C. SAR Surface and Volume



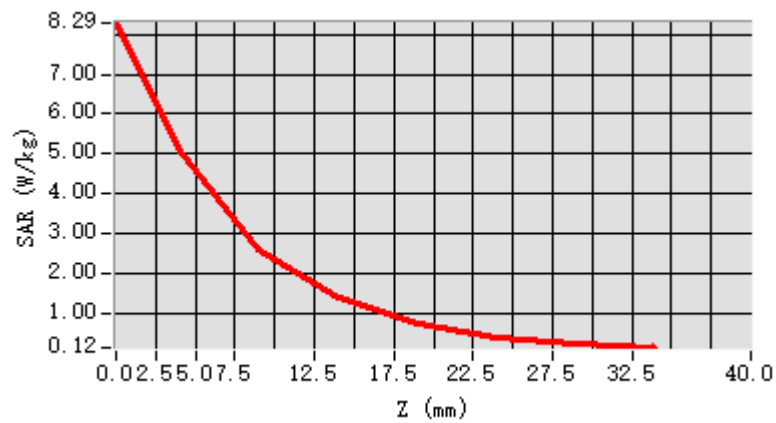
Maximum location: X=-1.00, Y=0.00 ; SAR Peak: 8.34 W/kg

D. SAR 1g & 10g

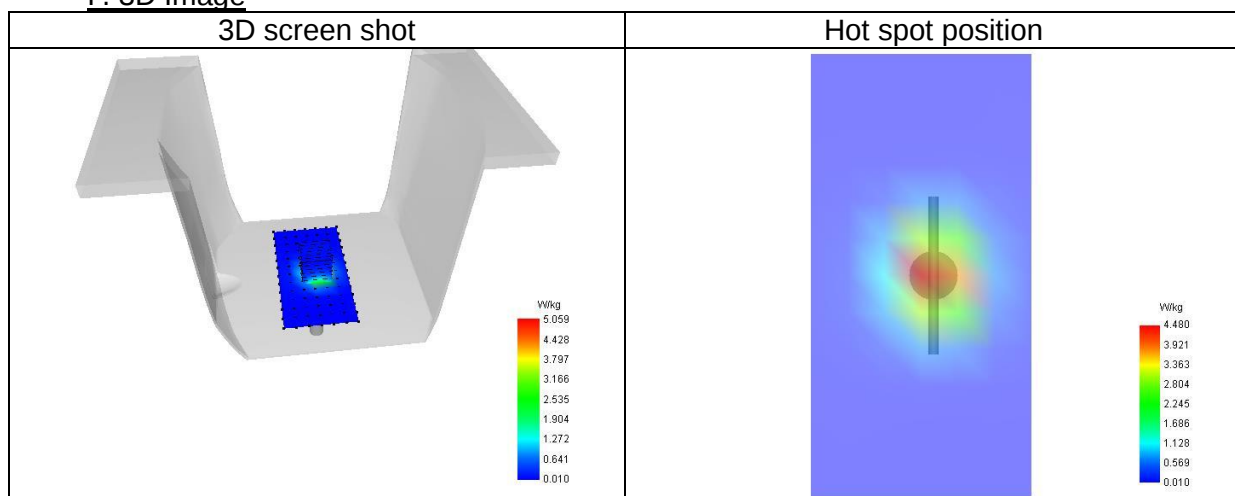
SAR 10g (W/Kg)	2.235
SAR 1g (W/Kg)	4.783
Variation (%)	-0.14
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	51.62

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	8.286	5.059	2.612	1.364	0.716	0.388	0.211



F. 3D Image



6# System check at 2600 MHz
 Date of measurement: 3/3/2026

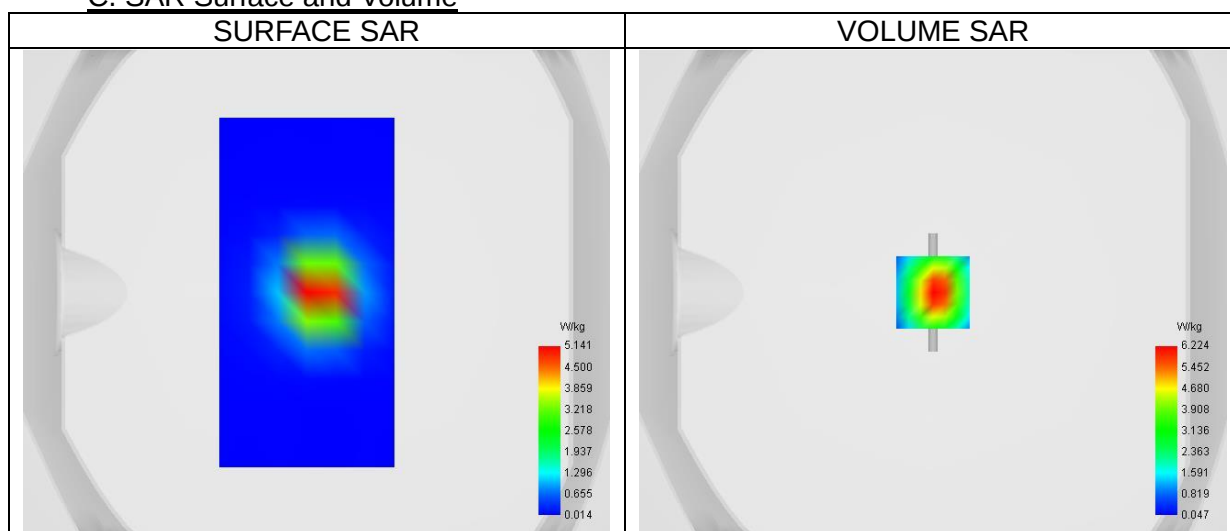
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.52
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	2600.00
Relative permittivity (real part)	39.88
Relative permittivity (imaginary part)	13.50
Conductivity (S/m)	1.95

C. SAR Surface and Volume



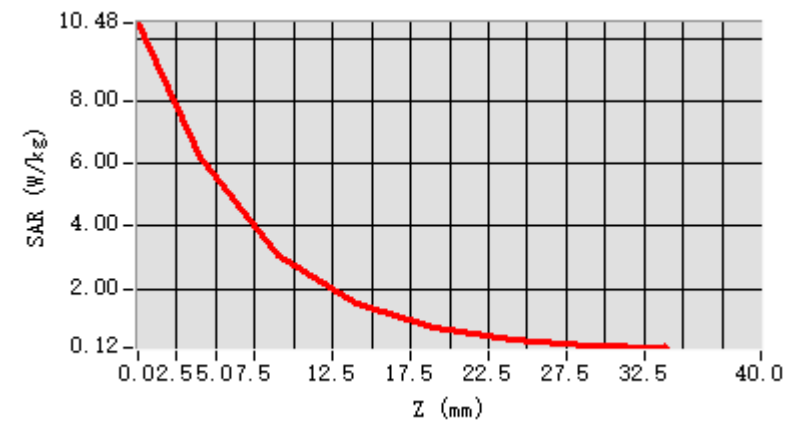
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 10.51 W/kg

D. SAR 1g & 10g

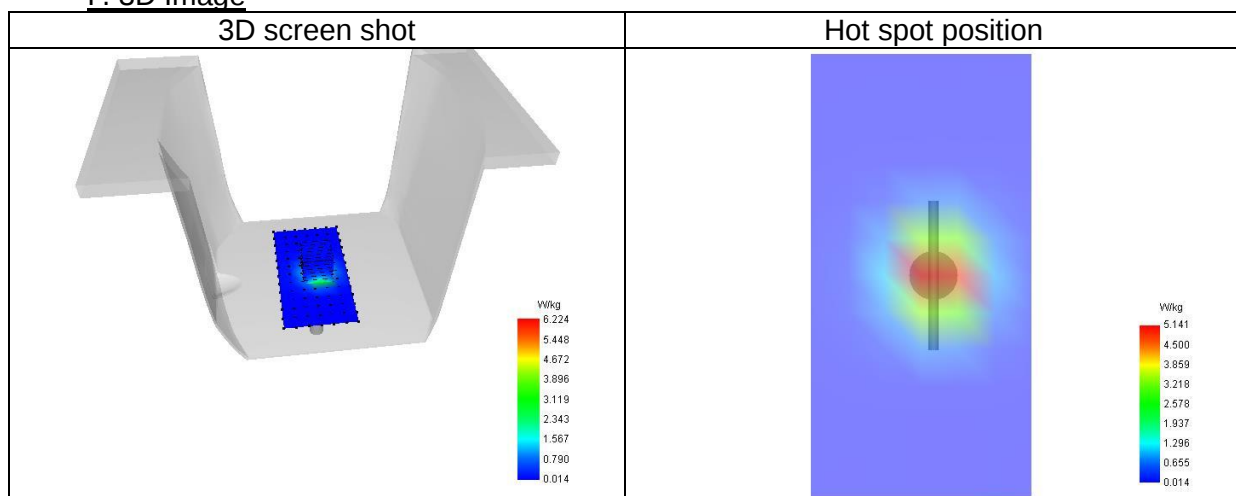
SAR 10g (W/Kg)	2.613
SAR 1g (W/Kg)	5.754
Variation (%)	0.16
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	49.31

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	10.483	6.224	3.069	1.543	0.781	0.398	0.212



F. 3D Image



7# System check at 2600 MHz

Date of measurement: 8/3/2026

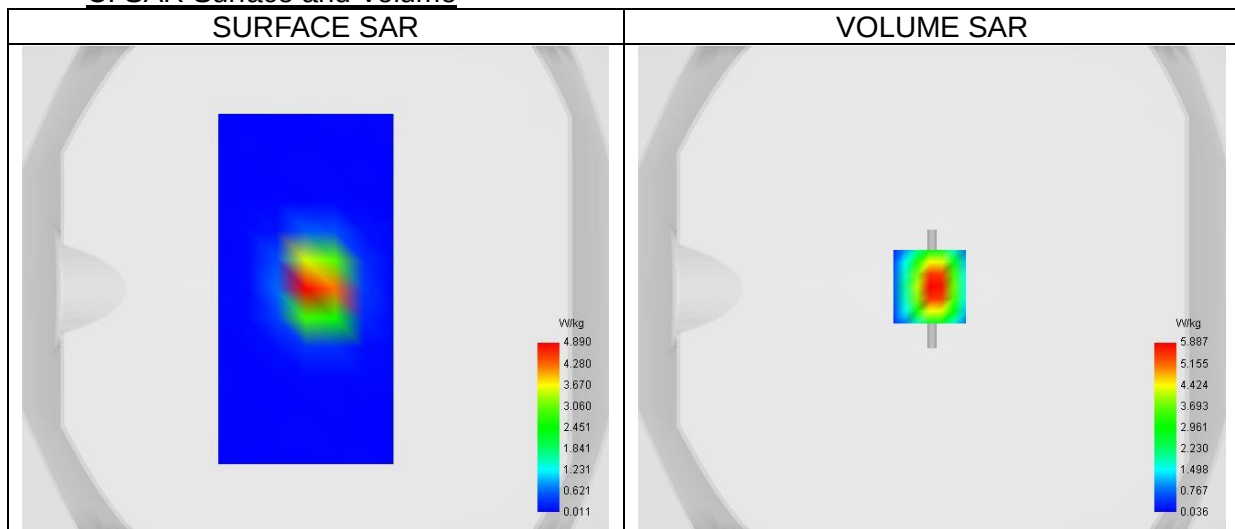
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.52
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7, dx=5mm dy=5mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	2600.00
Relative permittivity (real part)	40.12
Relative permittivity (imaginary part)	13.16
Conductivity (S/m)	1.90

C. SAR Surface and Volume



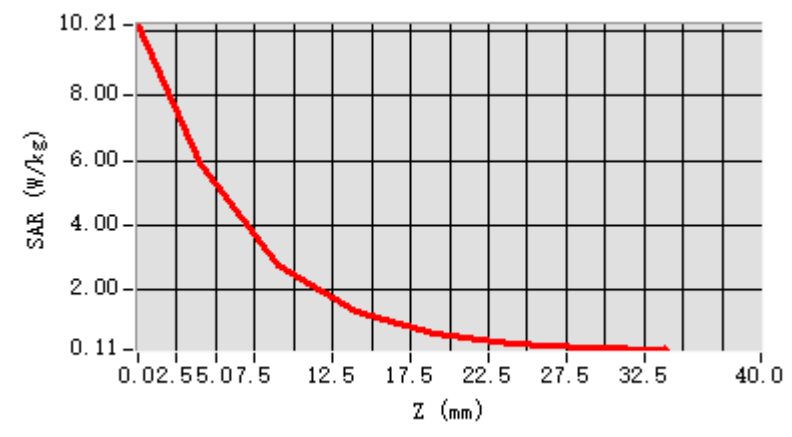
Maximum location: X=-1.00, Y=1.00 ; SAR Peak: 10.56 W/kg

D. SAR 1g & 10g

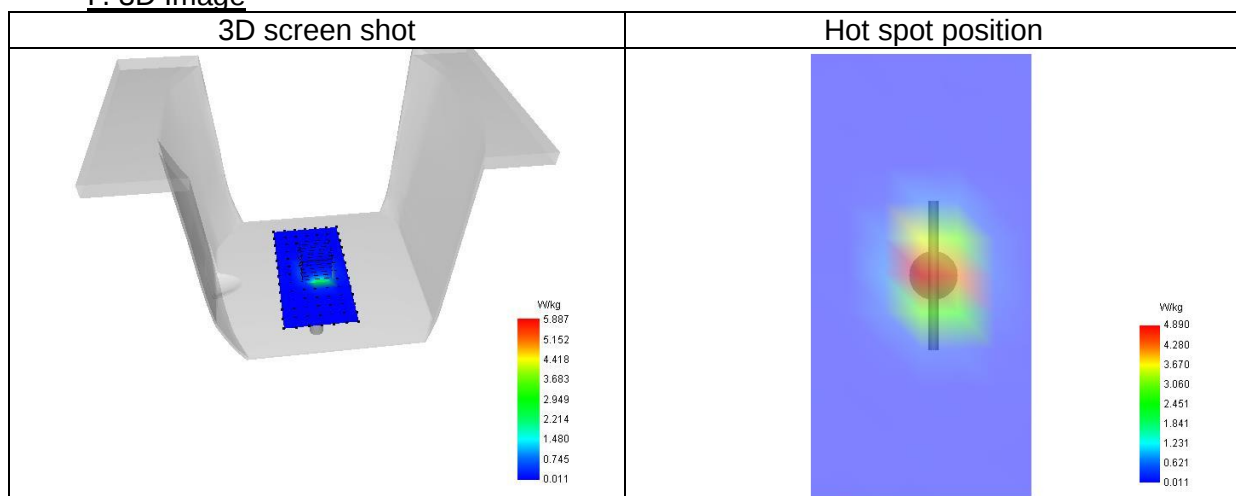
SAR 10g (W/Kg)	2.360
SAR 1g (W/Kg)	5.551
Variation (%)	0.23
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	46.66

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	10.212	5.887	2.747	1.317	0.638	0.312	0.187



F. 3D Image



8# System check at 5200 MHz

Date of measurement: 18/3/2026

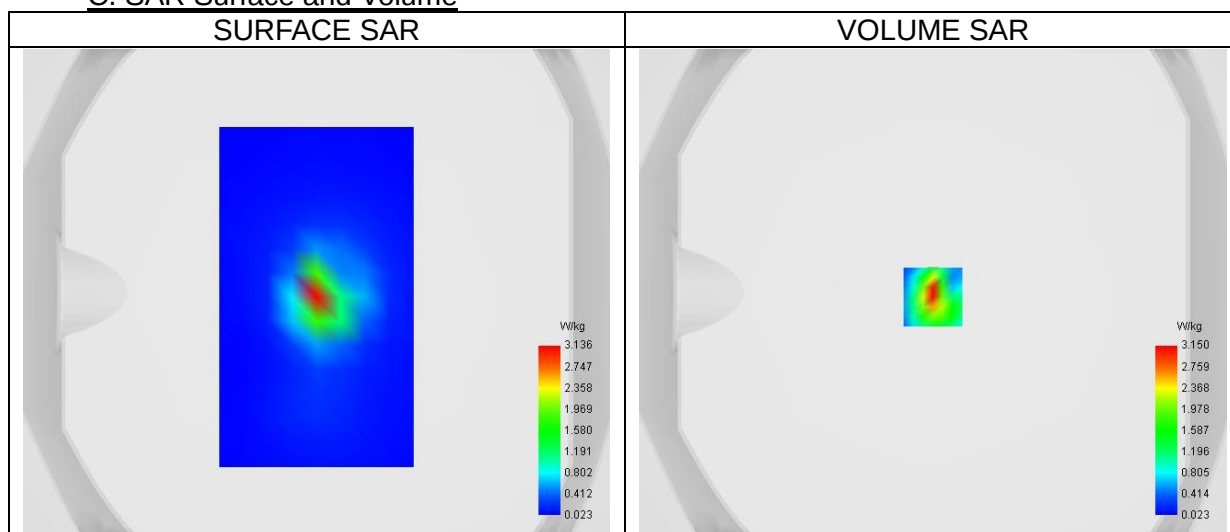
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.37
Area Scan	dx=10mm dy=10mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	5200.00
Relative permittivity (real part)	36.31
Relative permittivity (imaginary part)	16.20
Conductivity (S/m)	4.68

C. SAR Surface and Volume



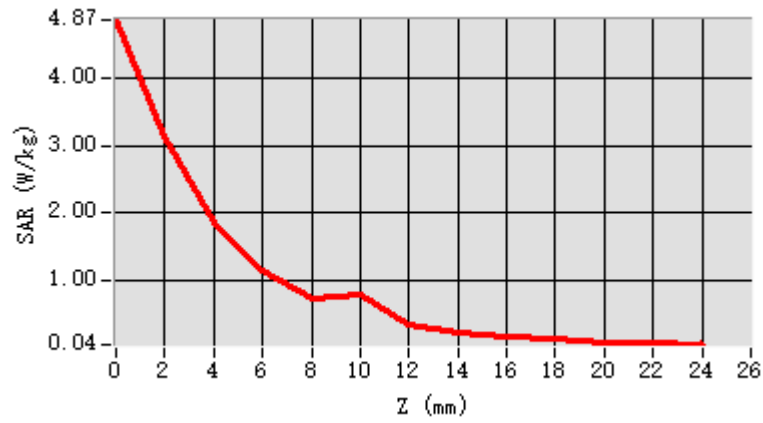
Maximum location: X=0.00, Y=-2.00 ; SAR Peak: 5.45 W/kg

D. SAR 1g & 10g

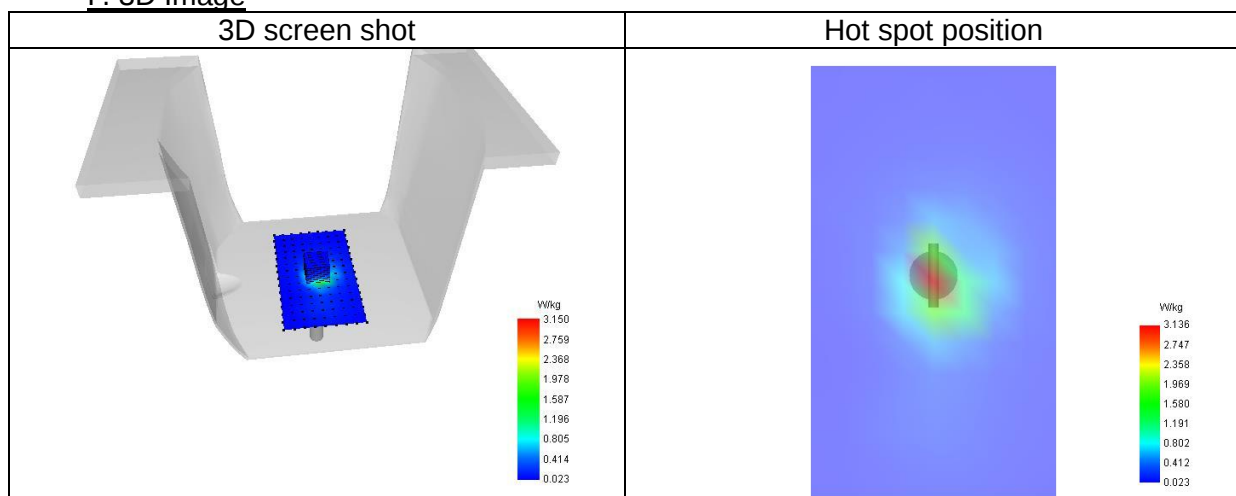
SAR 10g (W/Kg)	0.602
SAR 1g (W/Kg)	1.742
Variation (%)	0.43
Horizontal validation criteria: minimum distance (mm)	8.00
Vertical validation criteria: SAR ratio M2/M1 (%)	59.37

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
						0	0	0	0	0	0	0
SAR (W/Kg)	4.86	3.15	1.87	1.15	0.73	0.79	0.33	0.22	0.16	0.12	0.07	0.06
	6	0	0	3	8	0	9	2	7	2	9	8



F. 3D Image



9# System check at 5800 MHz
Date of measurement: 19/3/2026

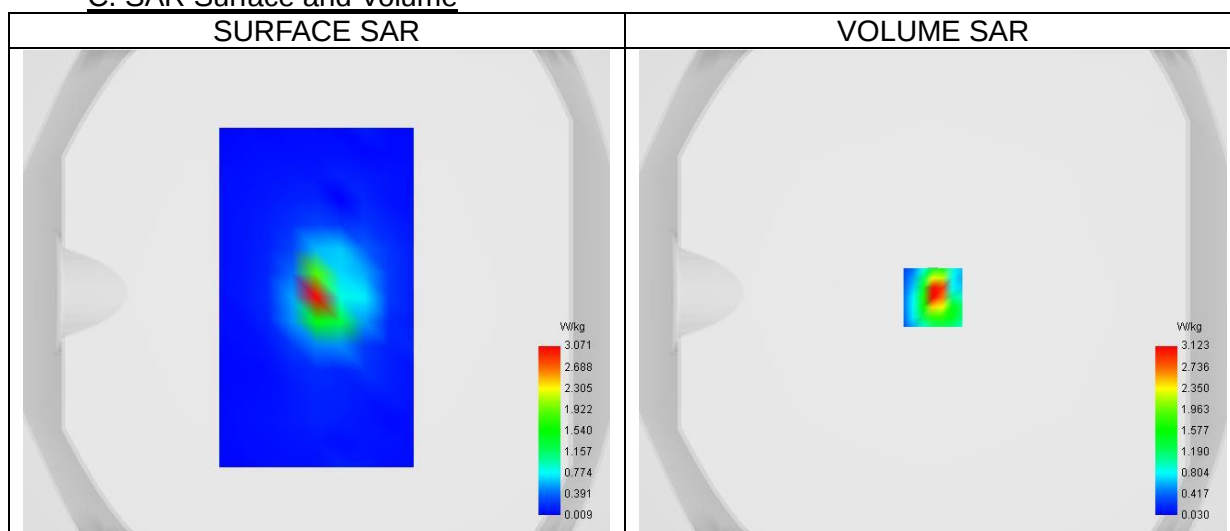
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.35
Area Scan	dx=10mm dy=10mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	5800.00
Relative permittivity (real part)	36.51
Relative permittivity (imaginary part)	15.92
Conductivity (S/m)	5.13

C. SAR Surface and Volume



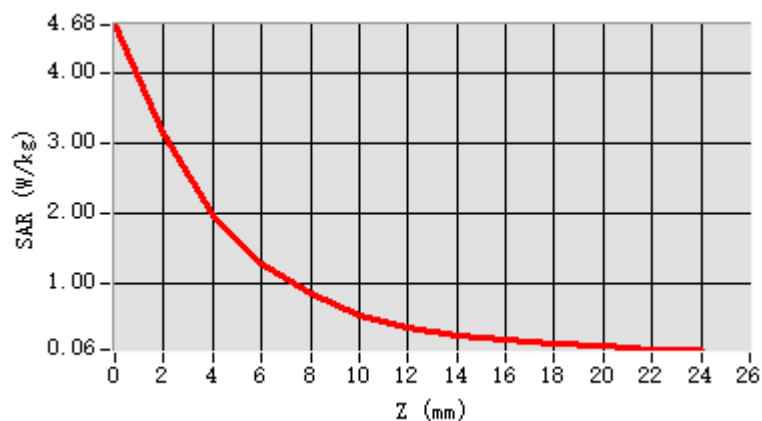
Maximum location: X=0.00, Y=-2.00 ; SAR Peak: 5.60 W/kg

D. SAR 1g & 10g

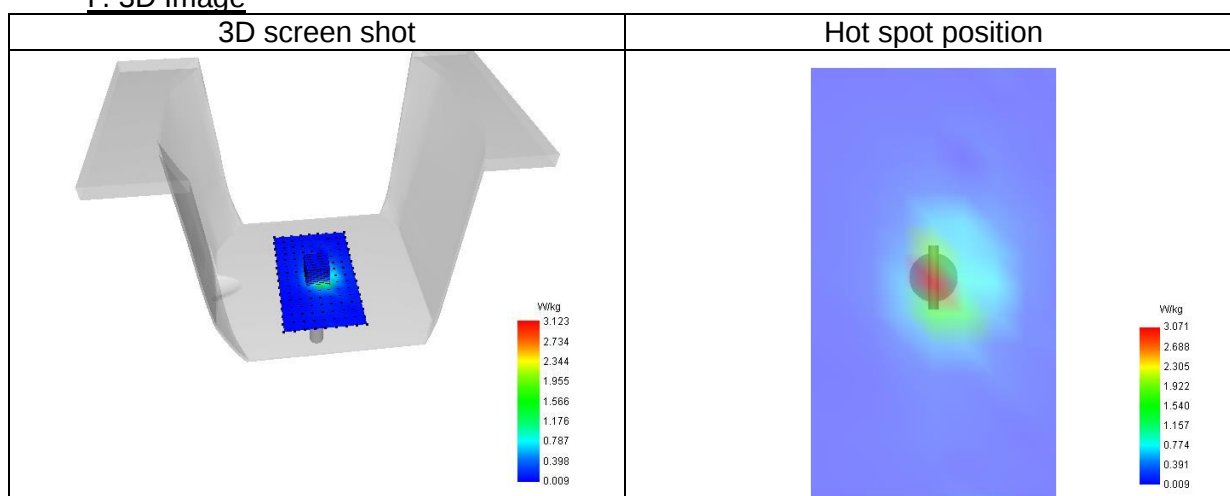
SAR 10g (W/Kg)	0.580
SAR 1g (W/Kg)	1.746
Variation (%)	-0.51
Horizontal validation criteria: minimum distance (mm)	5.66
Vertical validation criteria: SAR ratio M2/M1 (%)	63.02

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
SAR (W/Kg)	4.67 5	3.12 3	1.96 8	1.27 1	0.84 8	0.54 8	0.36 7	0.25 6	0.18 4	0.13 8	0.10 1	0.06 7



F. 3D Image



13. Appendix C. Plots of High SAR Measurement

- 1# SAR Measurement at GPRS850 (Cheek, Right)**
- 2# SAR Measurement at GPRS850 (Body, Validation Plane)**
- 3# SAR Measurement at GPRS1900 (Cheek, Right)**
- 4# SAR Measurement at GPRS1900 (Body, Validation Plane)**
- 5# SAR Measurement at Band 2 (1900) (Cheek, Right)**
- 6# SAR Measurement at Band 2 (1900) (Body, Validation Plane)**
- 7# SAR Measurement at Band 4 (1700) (Cheek, Right)**
- 8# SAR Measurement at Band 4 (1700) (Body, Validation Plane)**
- 9# SAR Measurement at Band 5 (850) (Cheek, Right)**
- 10# SAR Measurement at Band 5 (850) (Body, Validation Plane)**
- 11# SAR Measurement at U-NII-1 (Cheek, Left)**
- 12# SAR Measurement at U-NII-1 (Body, Validation Plane)**
- 13# SAR Measurement at U-NII-3 (Cheek, Left)**
- 14# SAR Measurement at U-NII-3 (Body, Validation Plane)**
- 15# SAR Measurement at ISM (Cheek, Left)**
- 16# SAR Measurement at ISM (Body, Validation Plane)**
- 17# SAR Measurement at LTE band 2 (Cheek, Left)**
- 18# SAR Measurement at LTE band 2 (Body, Validation Plane)**
- 19# SAR Measurement at LTE band 4 (Cheek, Left)**
- 20# SAR Measurement at LTE band 4 (Body, Validation Plane)**
- 21# SAR Measurement at LTE band 5 (Cheek, Left)**
- 22# SAR Measurement at LTE band 5 (Body, Validation Plane)**
- 23# SAR Measurement at LTE band 7 (Cheek, Left)**
- 24# SAR Measurement at LTE band 7 (Body, Validation Plane)**
- 25# SAR Measurement at LTE band 12 (Cheek, Left)**
- 26# SAR Measurement at LTE band 12 (Body, Validation Plane)**
- 27# SAR Measurement at LTE band 17 (Cheek, Left)**
- 28# SAR Measurement at LTE band 17 (Body, Validation Plane)**
- 29# SAR Measurement at LTE band 41 (Cheek, Left)**
- 30# SAR Measurement at LTE band 41 (Body, Validation Plane)**

1# SAR Measurement at GPRS850 (Cheek, Right)

Date of measurement: 16/3/2026

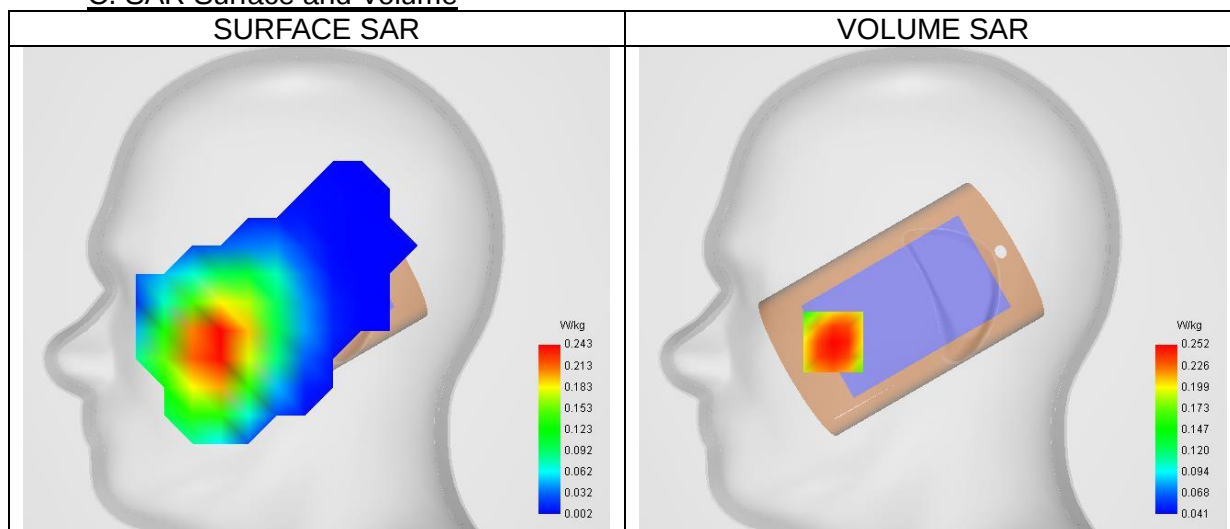
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Right head
Device Position	Cheek
Band	GPRS850
Signal	TDMA (GPRS)
Channels/Frequency	Middle (189)/ frequency 836.40 Mhz
Modulation	GMSK (CS-4)
TX-slots	4

B. Permittivity

Middle TX Frequency (MHz)	836.40
Relative permittivity (real part)	42.80
Relative permittivity (imaginary part)	20.07
Conductivity (S/m)	0.93

C. SAR Surface and Volume



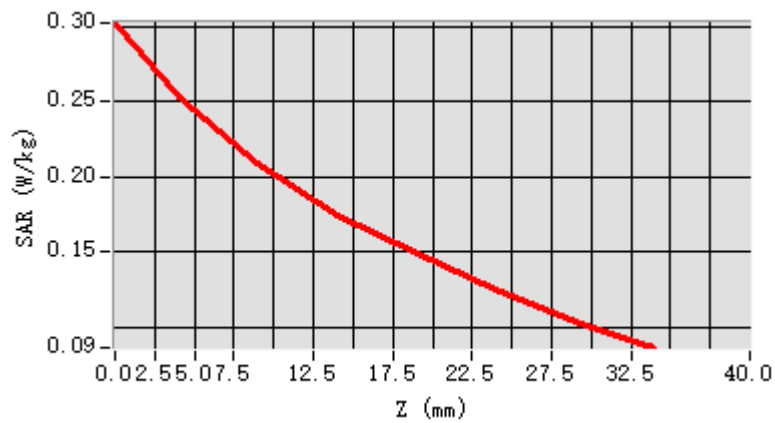
Maximum location: X=-53.00, Y=-27.00 ; SAR Peak: 0.31 W/kg

D. SAR 1g & 10g

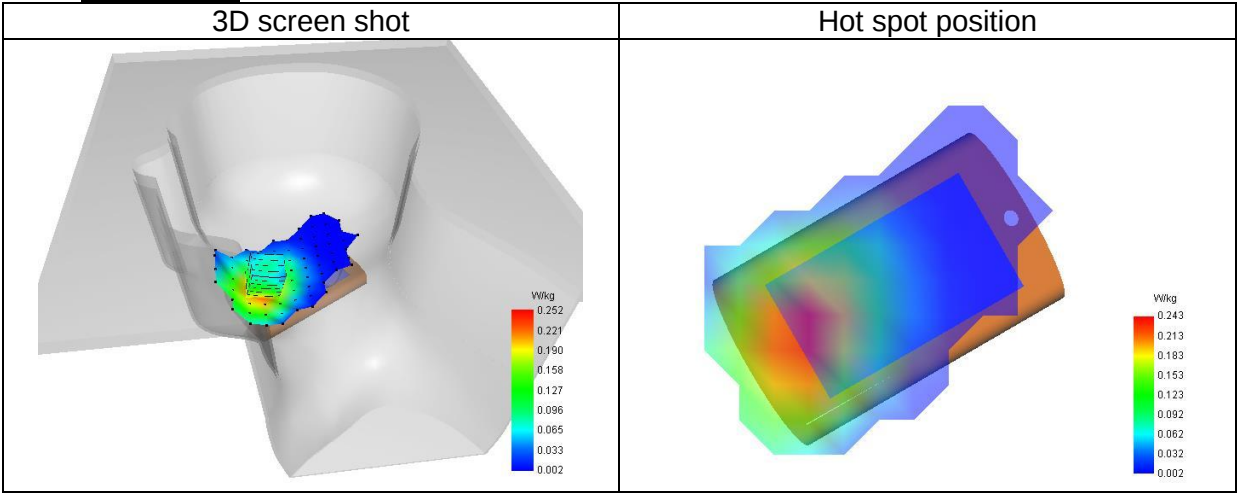
SAR 10g (W/Kg)	0.193
SAR 1g (W/Kg)	0.253
Variation (%)	2.05
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.302	0.252	0.208	0.174	0.149	0.125	0.103



F. 3D Image



2# SAR Measurement at GPRS850 (Body, Validation Plane)

Date of measurement: 16/3/2026

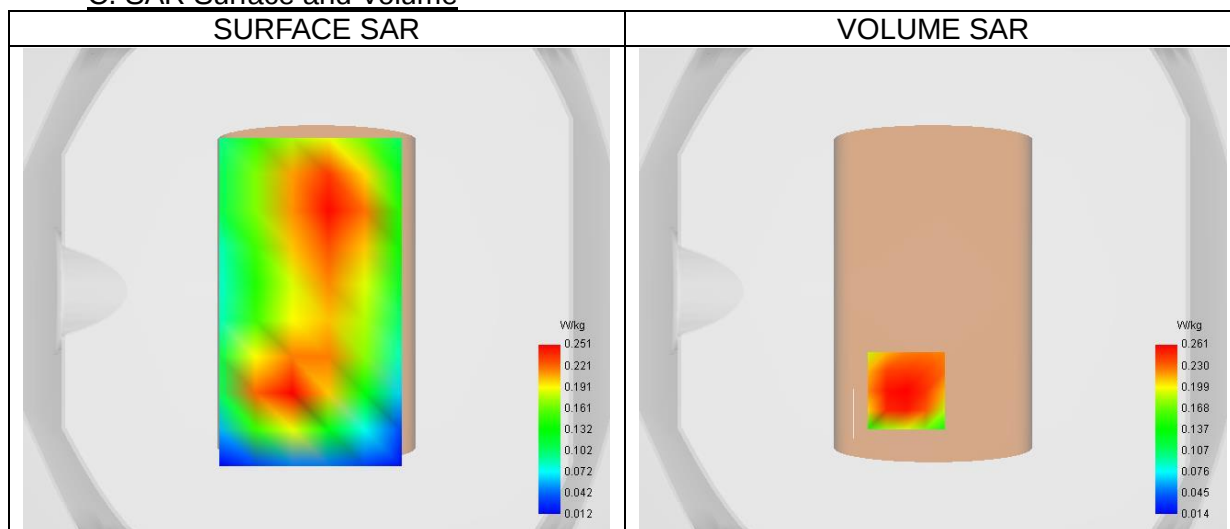
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	GPRS850
Signal	TDMA (GPRS)
Channels/Frequency	Middle (189)/ frequency 836.40 Mhz
Modulation	GMSK (CS-4)
TX-slots	4

B. Permittivity

Middle TX Frequency (MHz)	836.40
Relative permittivity (real part)	42.80
Relative permittivity (imaginary part)	20.07
Conductivity (S/m)	0.93

C. SAR Surface and Volume



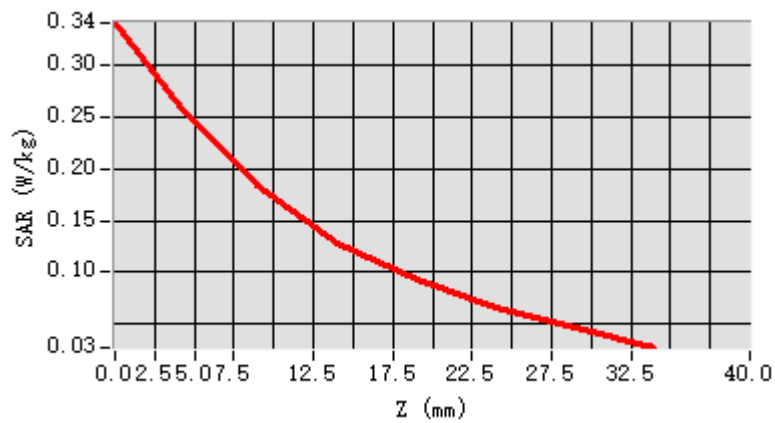
Maximum location: X=-11.00, Y=-41.00 ; SAR Peak: 0.34 W/kg

D. SAR 1g & 10g

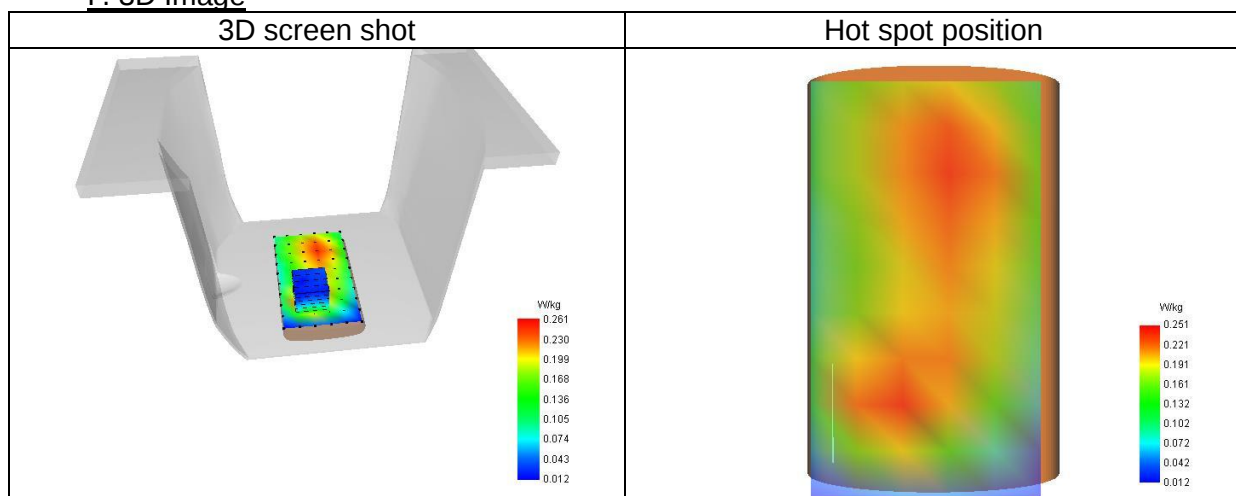
SAR 10g (W/Kg)	0.160
SAR 1g (W/Kg)	0.257
Variation (%)	3.96
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.341	0.261	0.185	0.129	0.093	0.066	0.047



F. 3D Image



3# SAR Measurement at GPRS1900 (Cheek, Right)

Date of measurement: 7/3/2026

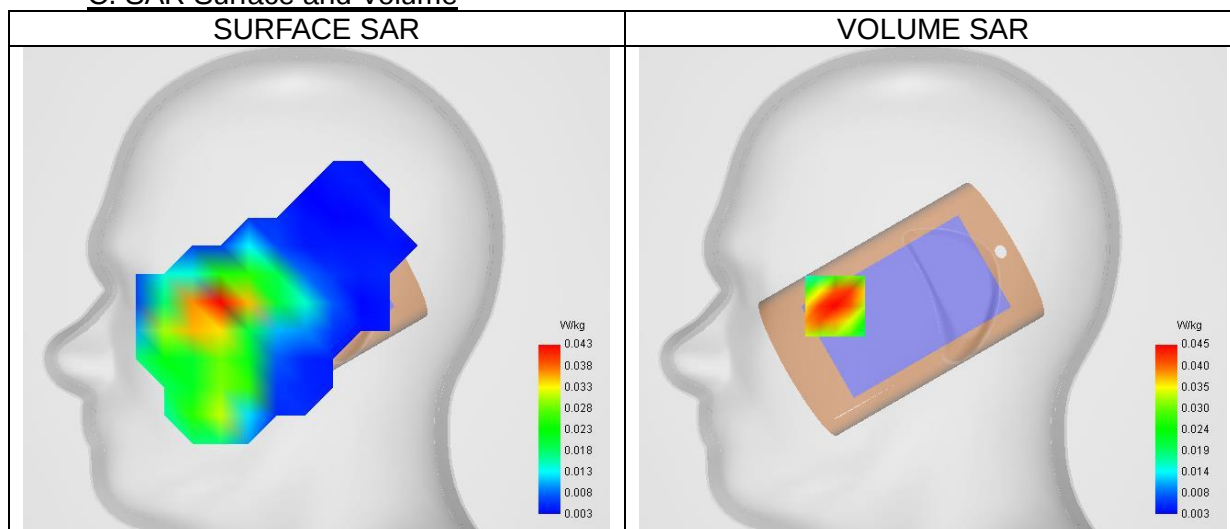
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	GPRS1900
Signal	TDMA (GPRS)
Channels/Frequency	Middle (661)/ frequency 1880.00 Mhz
Modulation	GMSK (CS-4)
TX-slots	4

B. Permittivity

Middle TX Frequency (MHz)	1880.00
Relative permittivity (real part)	39.52
Relative permittivity (imaginary part)	13.70
Conductivity (S/m)	1.43

C. SAR Surface and Volume



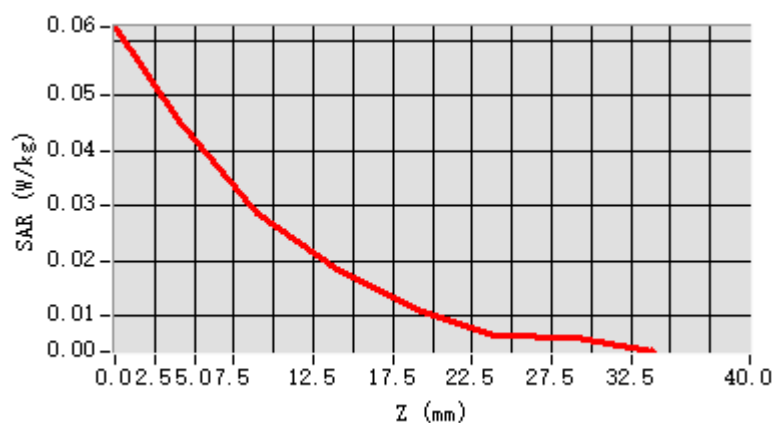
Maximum location: X=-52.00, Y=-8.00 ; SAR Peak: 0.07 W/kg

D. SAR 1g & 10g

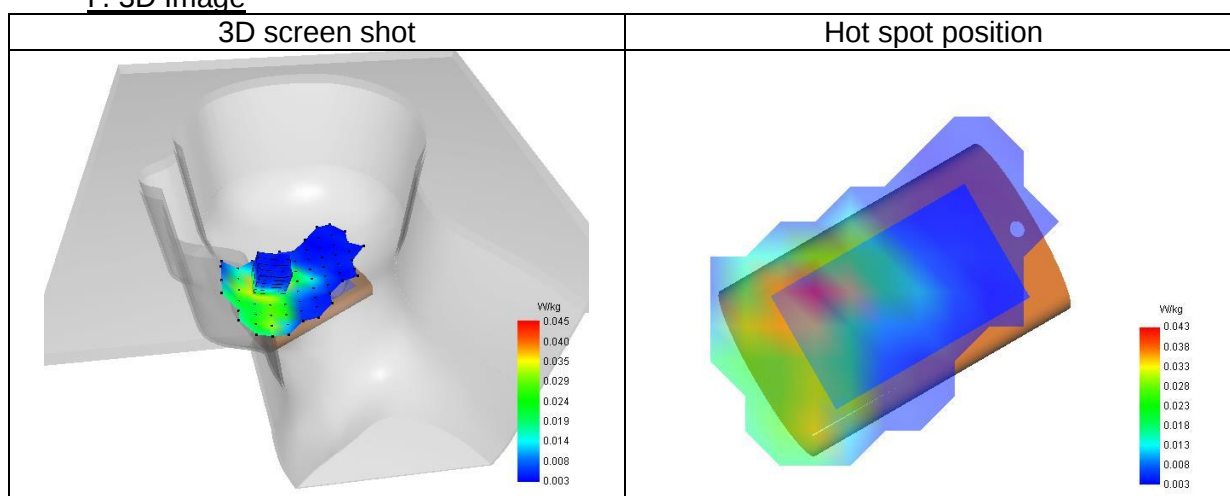
SAR 10g (W/Kg)	0.026
SAR 1g (W/Kg)	0.043
Variation (%)	2.24
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	62.90

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.062	0.045	0.028	0.018	0.011	0.007	0.006



F. 3D Image



4# SAR Measurement at GPRS1900 (Body, Validation Plane)

Date of measurement: 7/3/2026

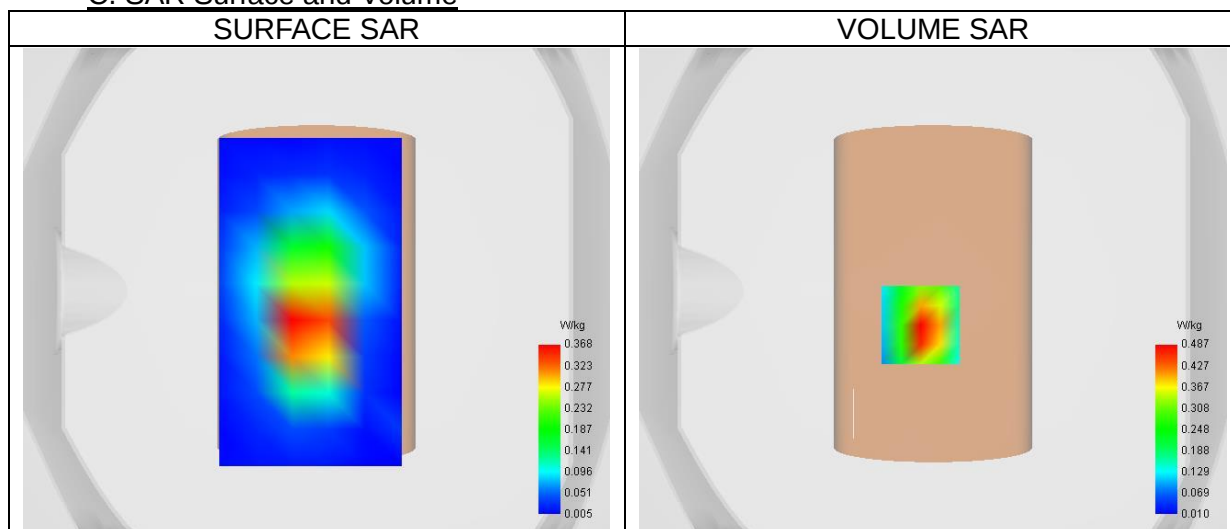
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	GPRS1900
Signal	TDMA (GPRS)
Channels/Frequency	Middle (661)/ frequency 1880.00 Mhz
Modulation	GMSK (CS-4)
TX-slots	4

B. Permittivity

Middle TX Frequency (MHz)	1880.00
Relative permittivity (real part)	39.52
Relative permittivity (imaginary part)	13.70
Conductivity (S/m)	1.43

C. SAR Surface and Volume



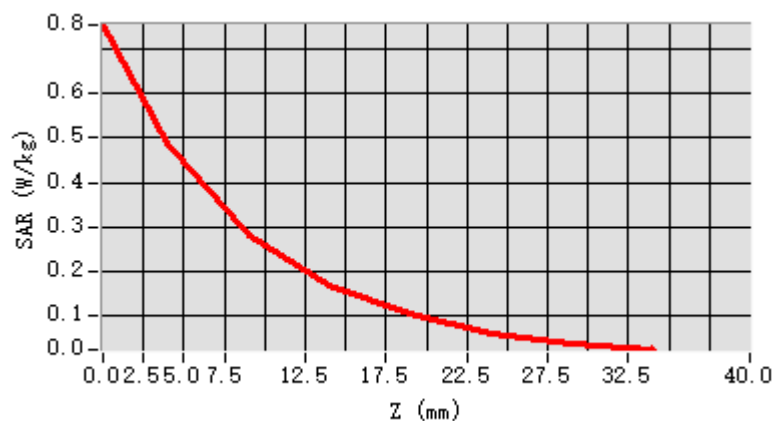
Maximum location: X=-5.00, Y=-14.00 ; SAR Peak: 0.77 W/kg

D. SAR 1g & 10g

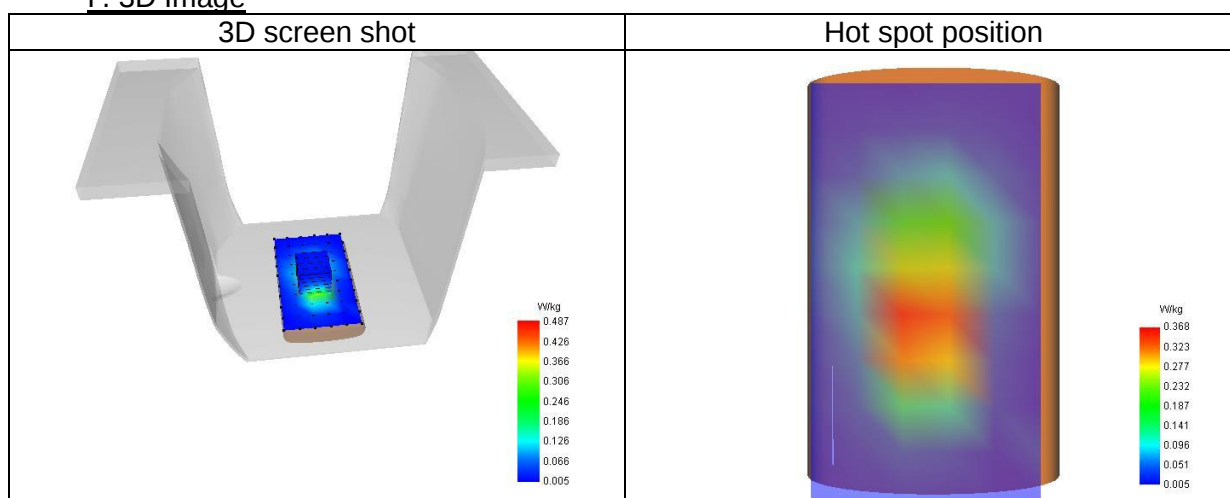
SAR 10g (W/Kg)	0.237
SAR 1g (W/Kg)	0.465
Variation (%)	1.21
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	57.46

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.754	0.487	0.280	0.168	0.106	0.063	0.040



F. 3D Image



5# SAR Measurement at Band 2 (1900) (Cheek, Right)

Date of measurement: 7/3/2026

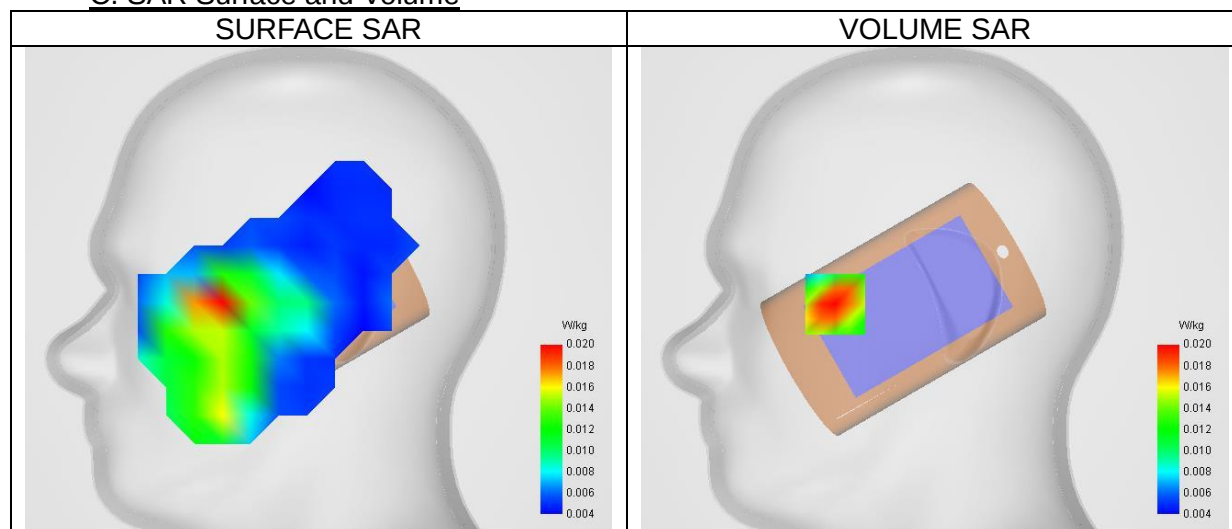
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	Band 2 (1900)
Signal	WCDMA
Channels/Frequency	Middle (9400)/ frequency 1880.00 Mhz
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1880.00
Relative permittivity (real part)	39.52
Relative permittivity (imaginary part)	13.70
Conductivity (S/m)	1.43

C. SAR Surface and Volume



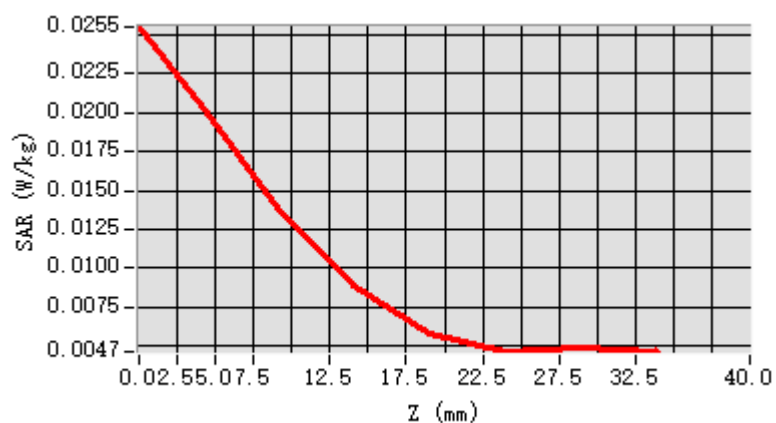
Maximum location: X=-53.00, Y=-7.00 ; SAR Peak: 0.03 W/kg

D. SAR 1g & 10g

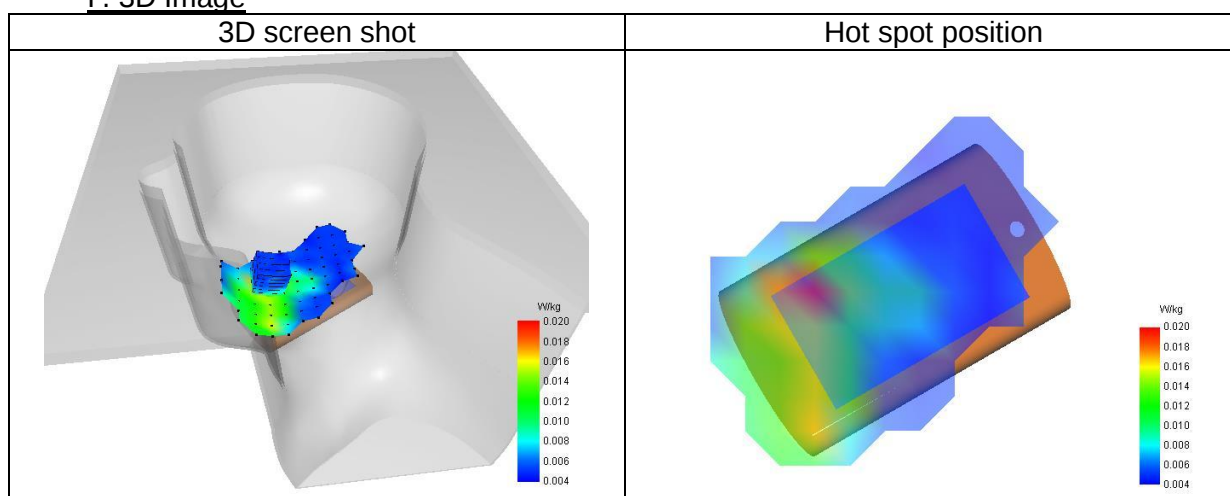
SAR 10g (W/Kg)	0.012
SAR 1g (W/Kg)	0.019
Variation (%)	4.69
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	68.19

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.025	0.020	0.014	0.009	0.006	0.005	0.005



F. 3D Image



6# SAR Measurement at Band 2 (1900) (Body, Validation Plane)

Date of measurement: 7/3/2026

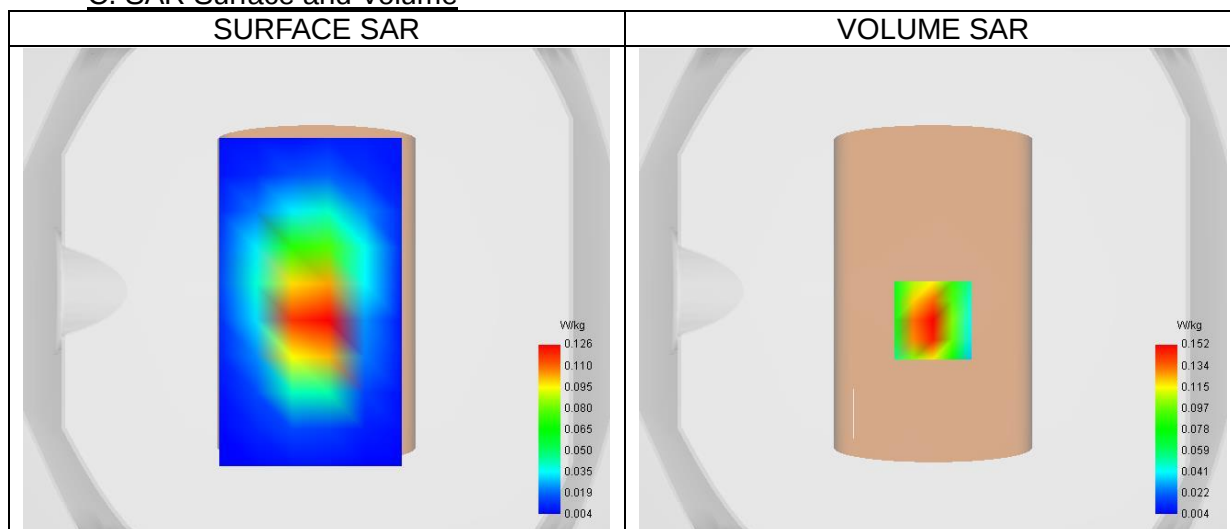
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	Band 2 (1900)
Signal	WCDMA
Channels/Frequency	Middle (9400)/ frequency 1880.00 Mhz
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1880.00
Relative permittivity (real part)	39.52
Relative permittivity (imaginary part)	13.70
Conductivity (S/m)	1.43

C. SAR Surface and Volume



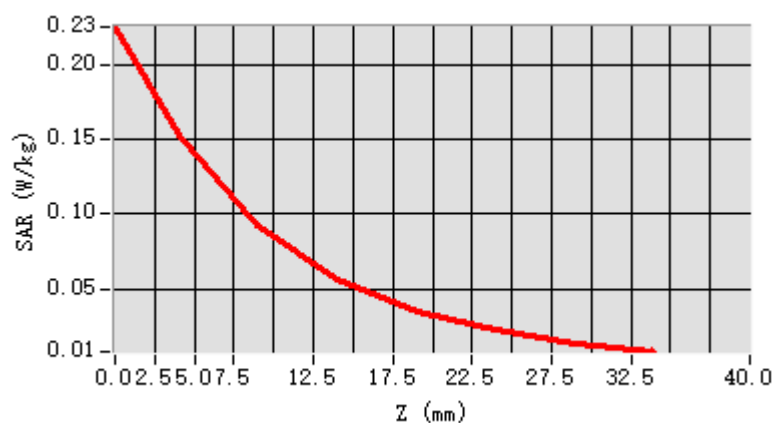
Maximum location: X=0.00, Y=-12.00 ; SAR Peak: 0.23 W/kg

D. SAR 1g & 10g

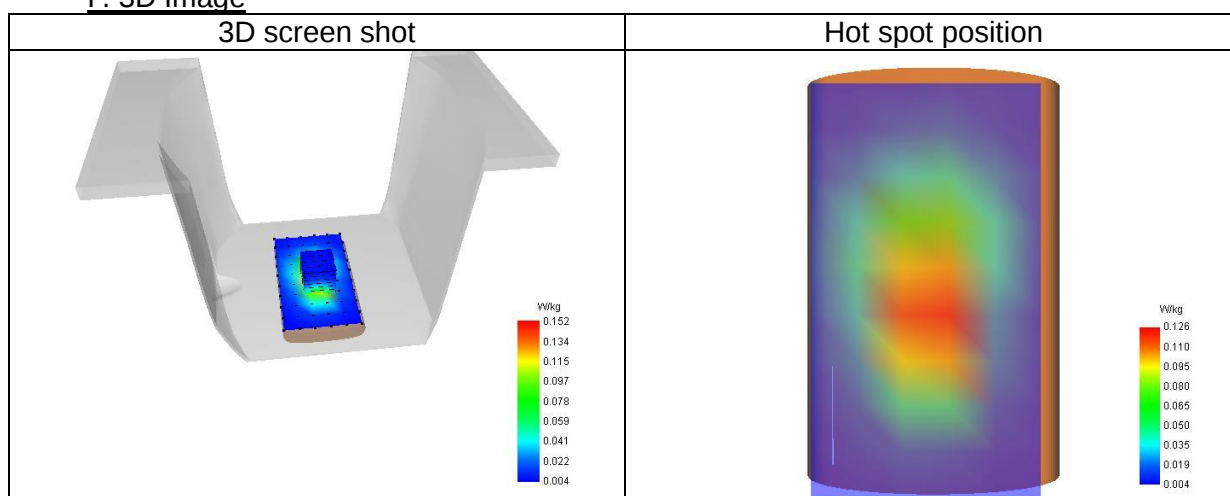
SAR 10g (W/Kg)	0.080
SAR 1g (W/Kg)	0.148
Variation (%)	-0.44
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	60.84

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.225	0.152	0.093	0.056	0.035	0.022	0.013



F. 3D Image



7# SAR Measurement at Band 4 (1700) (Cheek, Right)

Date of measurement: 6/3/2026

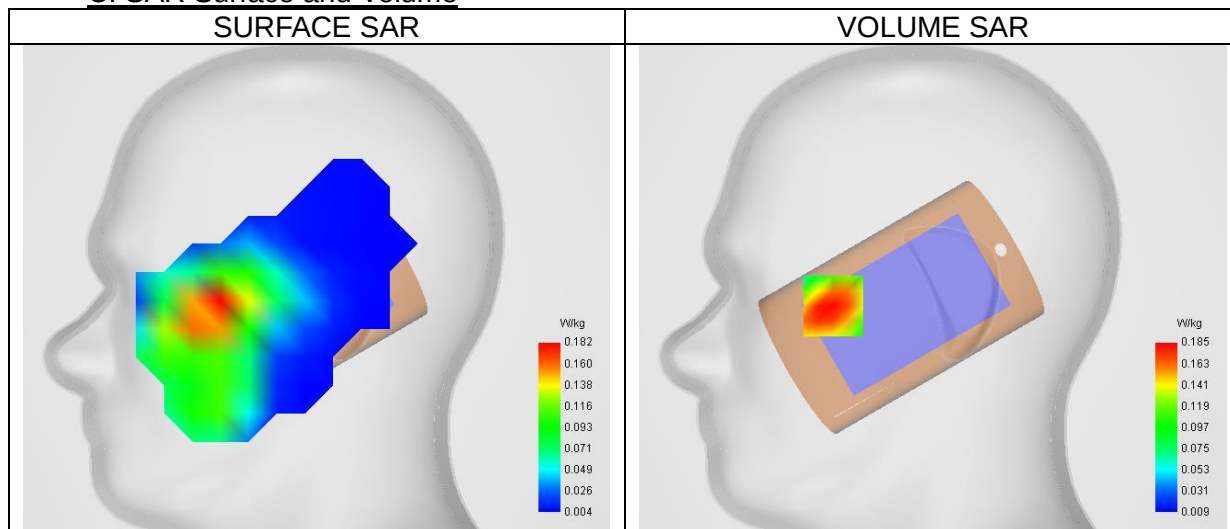
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.50
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	Band 4 (1700)
Signal	WCDMA
Channels/Frequency	Middle (1413)/ frequency 1732.60 Mhz
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1732.60
Relative permittivity (real part)	40.33
Relative permittivity (imaginary part)	13.84
Conductivity (S/m)	1.33

C. SAR Surface and Volume



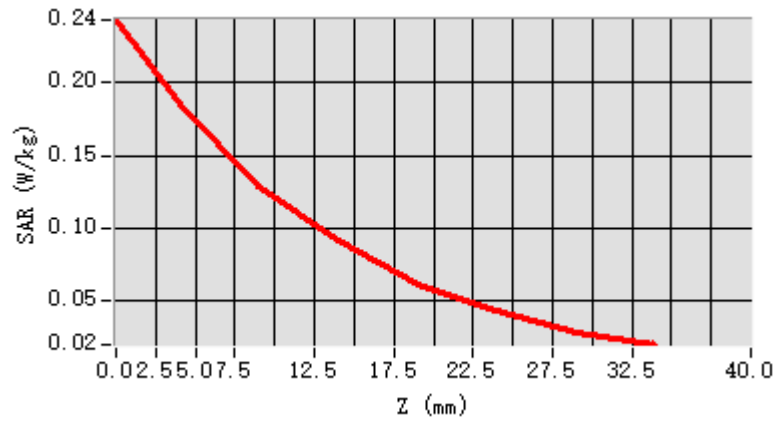
Maximum location: X=-53.00, Y=-9.00 ; SAR Peak: 0.25 W/kg

D. SAR 1g & 10g

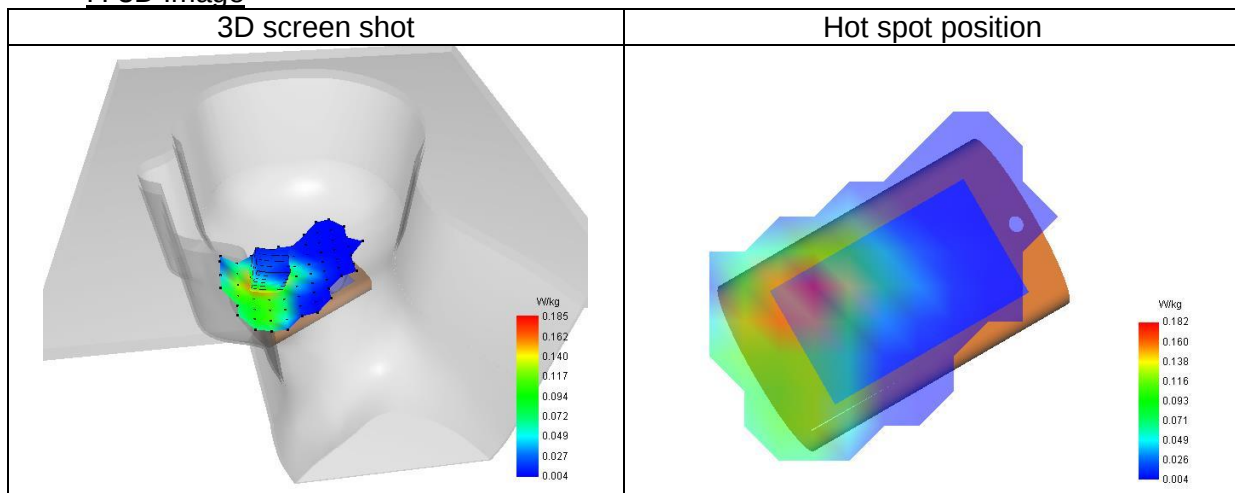
SAR 10g (W/Kg)	0.115
SAR 1g (W/Kg)	0.178
Variation (%)	-0.01
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	69.90

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.243	0.185	0.129	0.091	0.061	0.043	0.029



F. 3D Image



8# SAR Measurement at Band 4 (1700) (Body, Validation Plane)

Date of measurement: 6/3/2026

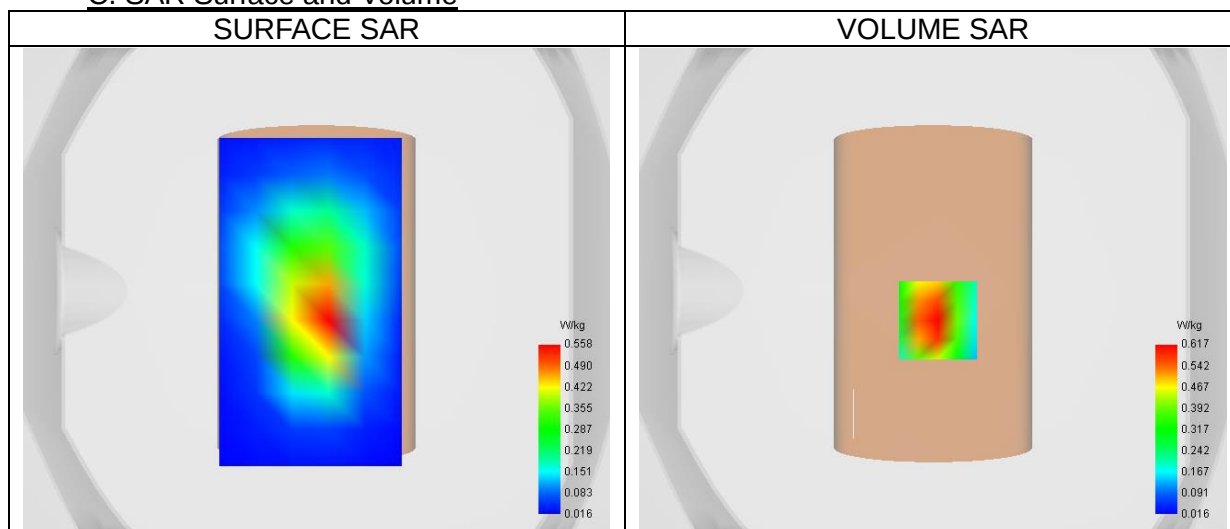
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.50
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	Band 4 (1700)
Signal	WCDMA
Channels/Frequency	Middle (1413)/ frequency 1732.60 Mhz
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1732.60
Relative permittivity (real part)	40.33
Relative permittivity (imaginary part)	13.84
Conductivity (S/m)	1.33

C. SAR Surface and Volume



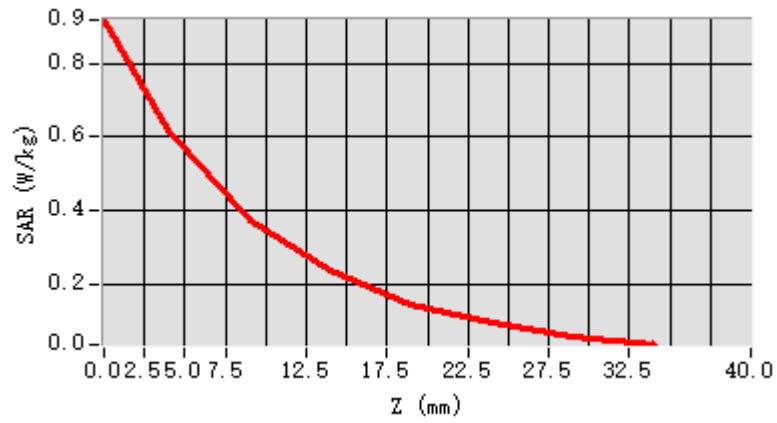
Maximum location: X=2.00, Y=-12.00 ; SAR Peak: 0.94 W/kg

D. SAR 1g & 10g

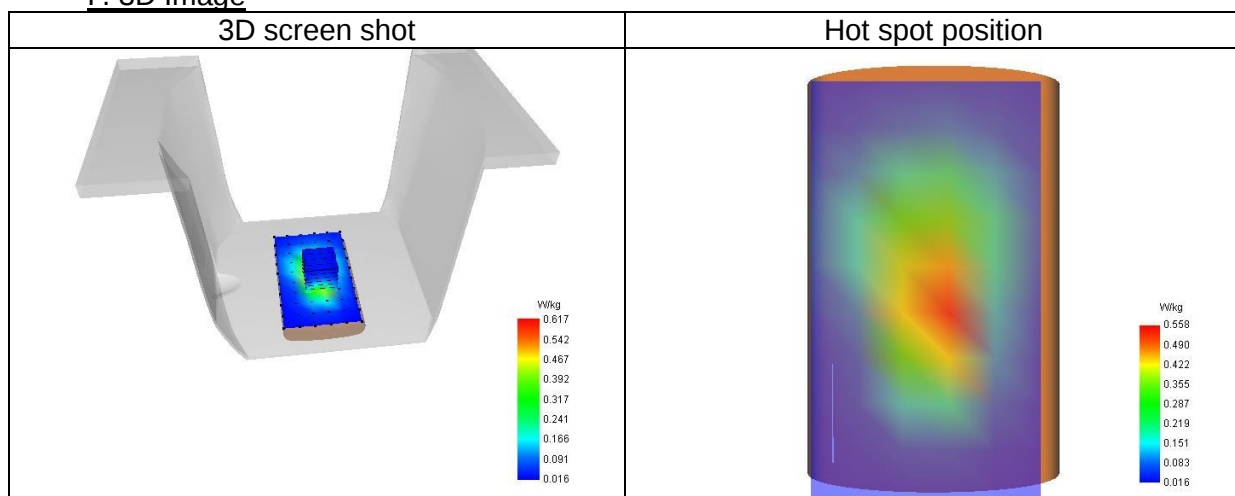
SAR 10g (W/Kg)	0.326
SAR 1g (W/Kg)	0.594
Variation (%)	-0.80
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	60.72

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.917	0.617	0.375	0.236	0.148	0.095	0.057



F. 3D Image



9# SAR Measurement at Band 5 (850) (Cheek, Right)

Date of measurement: 16/3/2026

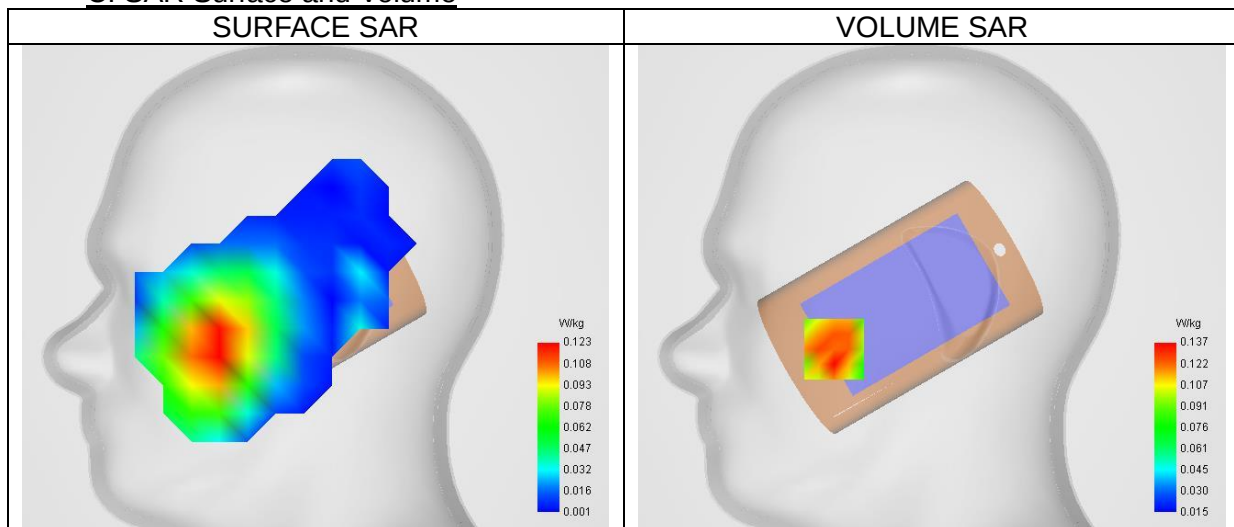
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	Band 5 (850)
Signal	WCDMA
Channels/Frequency	Middle (4182)/ frequency 836.40 Mhz
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	836.40
Relative permittivity (real part)	42.80
Relative permittivity (imaginary part)	20.07
Conductivity (S/m)	0.93

C. SAR Surface and Volume



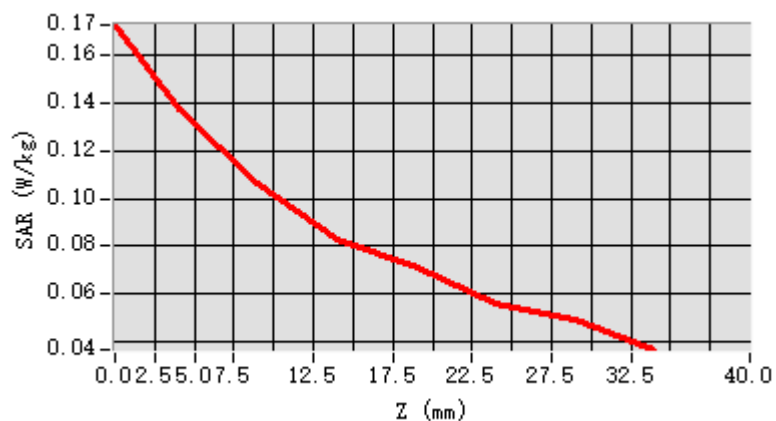
Maximum location: X=-52.00, Y=-32.00 ; SAR Peak: 0.18 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.095
SAR 1g (W/Kg)	0.133
Variation (%)	4.47
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

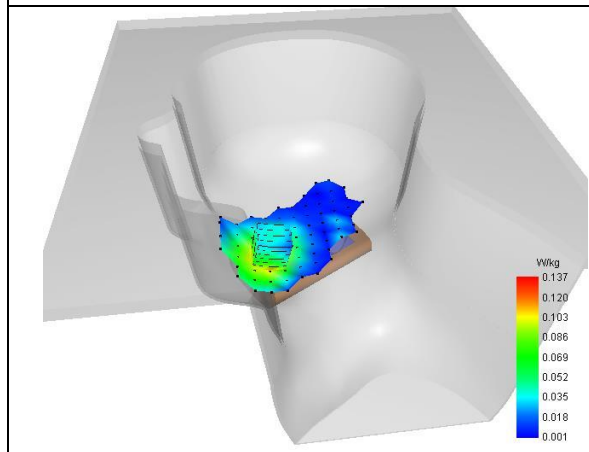
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.173	0.137	0.106	0.083	0.072	0.056	0.049

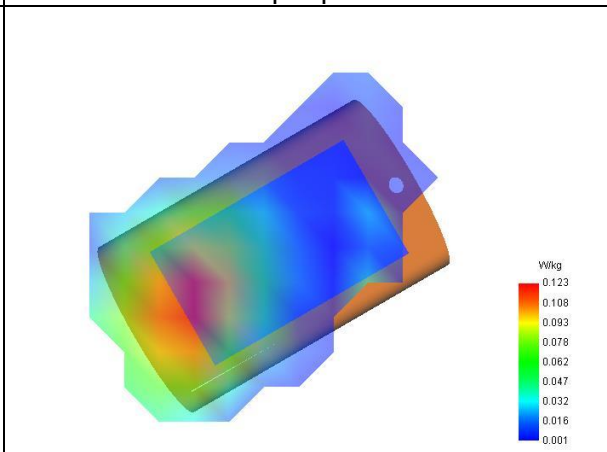


F. 3D Image

3D screen shot



Hot spot position



10# SAR Measurement at Band 5 (850) (Body, Validation Plane)

Date of measurement: 16/3/2026

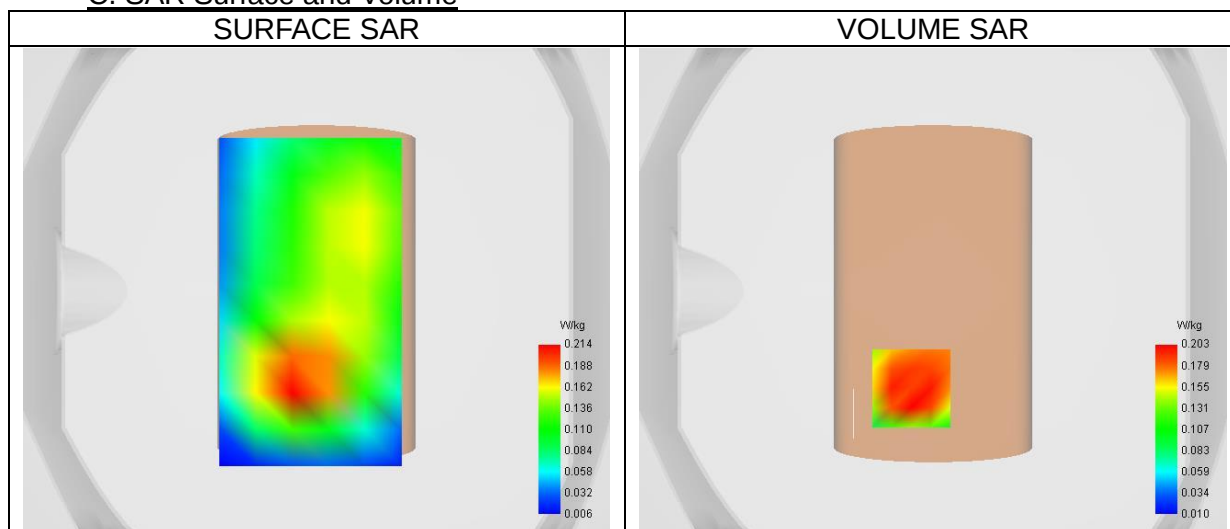
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	Band 5 (850)
Signal	WCDMA
Channels/Frequency	Middle (4182)/ frequency 836.40 Mhz
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	836.40
Relative permittivity (real part)	42.80
Relative permittivity (imaginary part)	20.07
Conductivity (S/m)	0.93

C. SAR Surface and Volume



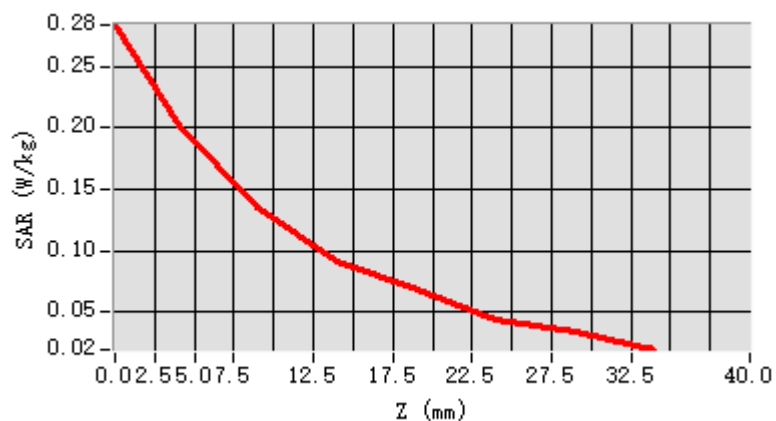
Maximum location: X=-9.00, Y=-40.00 ; SAR Peak: 0.28 W/kg

D. SAR 1g & 10g

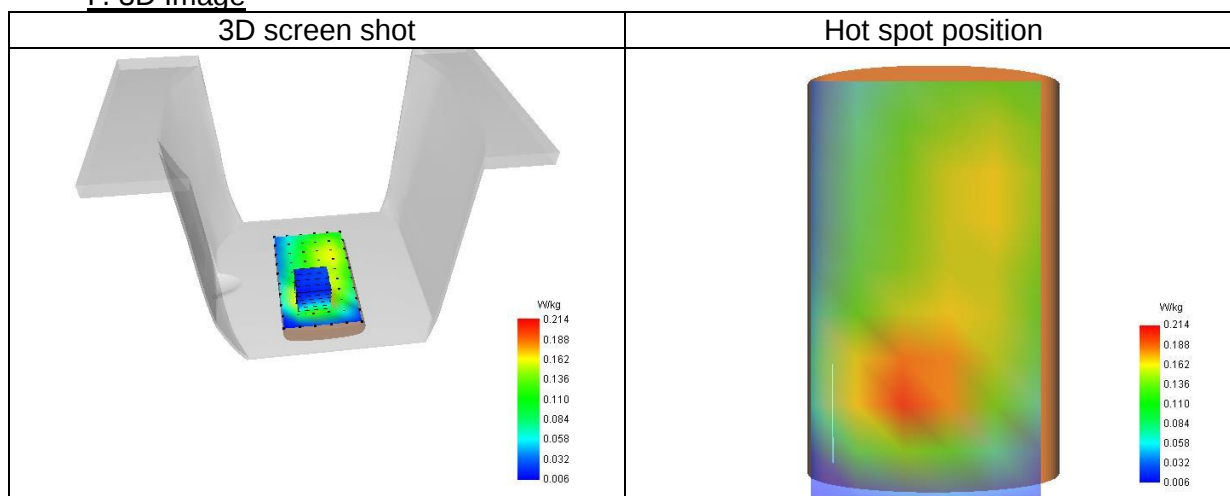
SAR 10g (W/Kg)	0.123
SAR 1g (W/Kg)	0.197
Variation (%)	-3.20
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	70.93

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.284	0.203	0.135	0.091	0.068	0.043	0.034



F. 3D Image



11# SAR Measurement at U-NII-1 (Cheek, Left)

Date of measurement: 18/3/2026

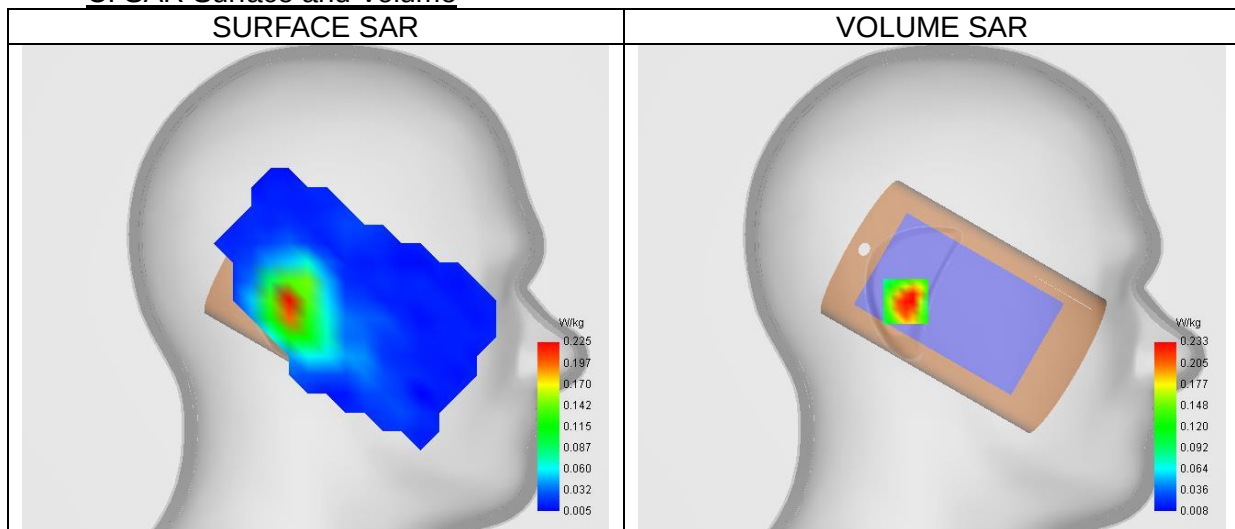
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.37
Area Scan	dx=10mm dy=10mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete
Phantom	Left head
Device Position	Cheek
Band	U-NII-1
Signal	IEEE 802.11 ac
Channels/Frequency	Middle (42)/ frequency 5210.00 Mhz

B. Permittivity

Middle TX Frequency (MHz)	5210.00
Relative permittivity (real part)	36.24
Relative permittivity (imaginary part)	16.19
Conductivity (S/m)	4.77

C. SAR Surface and Volume



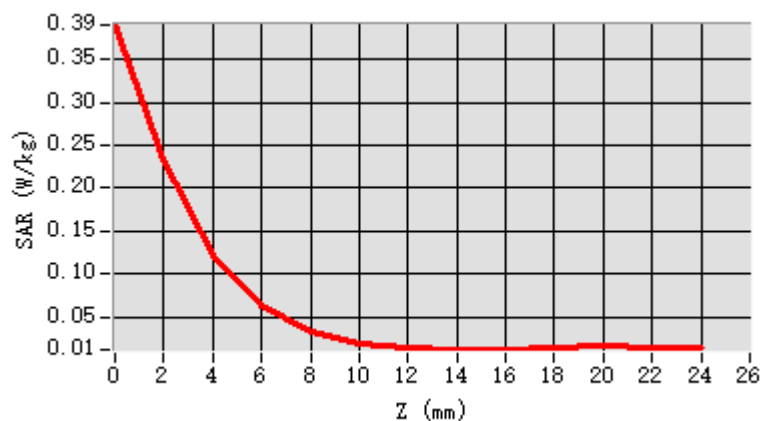
Maximum location: X=14.00, Y=-7.00 ; SAR Peak: 0.59 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.084
SAR 1g (W/Kg)	0.222
Variation (%)	0.32
Horizontal validation criteria: minimum distance (mm)	8.00
Vertical validation criteria: SAR ratio M2/M1 (%)	57.27

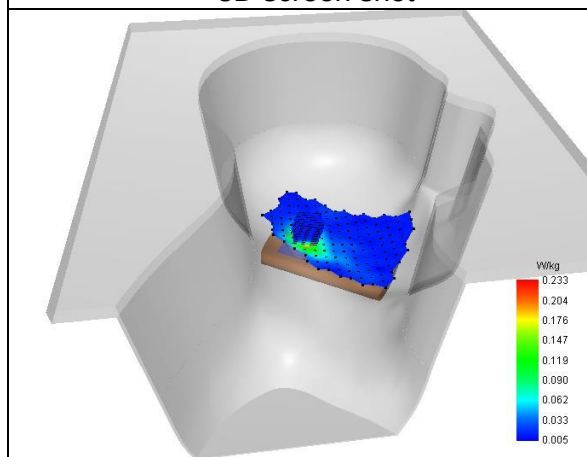
E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
SAR (W/Kg)	0.39	0.23	0.12	0.06	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	1	3	2	3	4	9	3	2	2	3	6	3

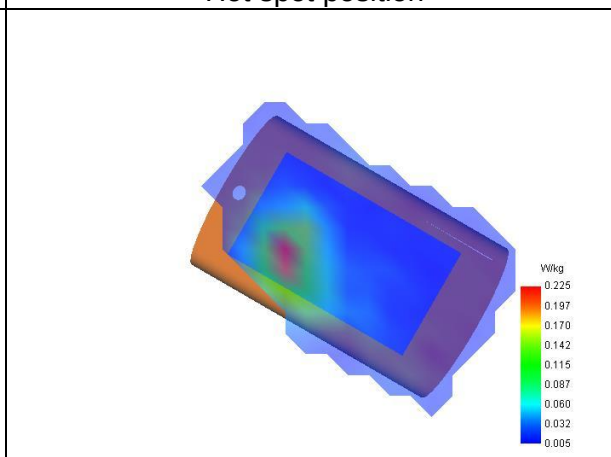


F. 3D Image

3D screen shot



Hot spot position



12# SAR Measurement at U-NII-1 (Body, Validation Plane)

Date of measurement: 18/3/2026

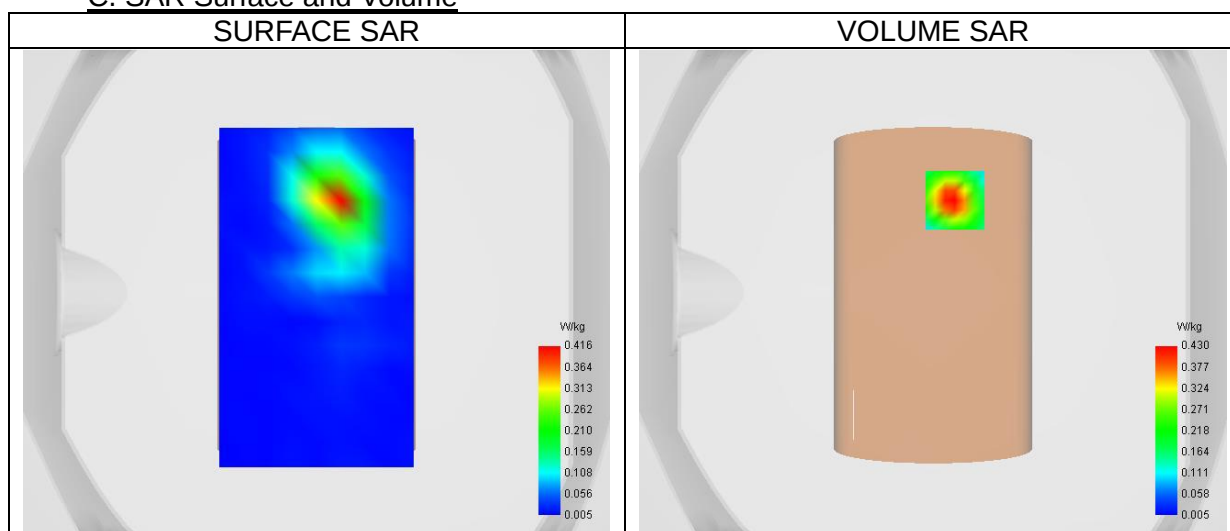
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.37
Area Scan	dx=10mm dy=10mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	U-NII-1
Signal	IEEE 802.11 ac
Channels/Frequency	Middle (42)/ frequency 5210.00 Mhz

B. Permittivity

Middle TX Frequency (MHz)	5210.00
Relative permittivity (real part)	36.24
Relative permittivity (imaginary part)	16.19
Conductivity (S/m)	4.77

C. SAR Surface and Volume



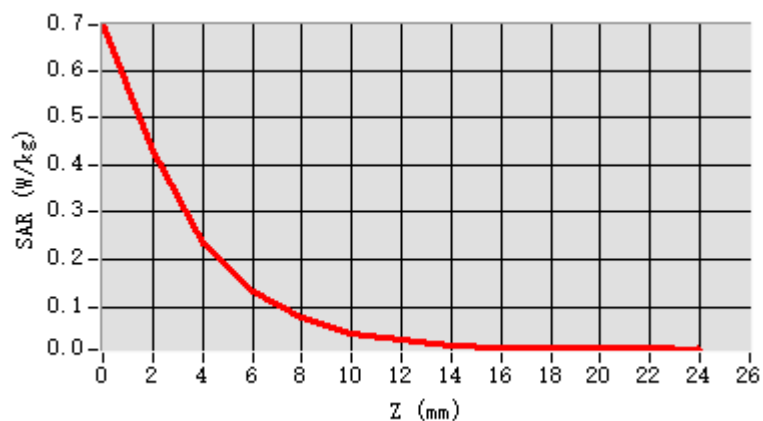
Maximum location: X=9.00, Y=38.00 ; SAR Peak: 0.75 W/kg

D. SAR 1g & 10g

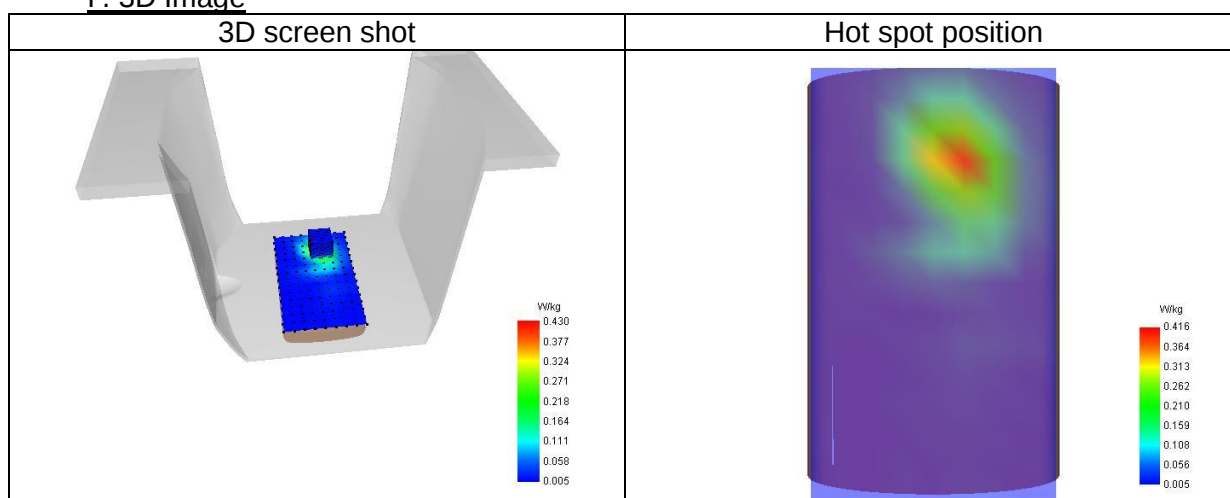
SAR 10g (W/Kg)	0.099
SAR 1g (W/Kg)	0.258
Variation (%)	3.24
Horizontal validation criteria: minimum distance (mm)	11.31
Vertical validation criteria: SAR ratio M2/M1 (%)	54.60

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
SAR (W/Kg)	0.696	0.430	0.235	0.131	0.079	0.043	0.030	0.018	0.013	0.013	0.015	0.013



F. 3D Image



13# SAR Measurement at U-NII-3 (Cheek, Left)

Date of measurement: 19/3/2026

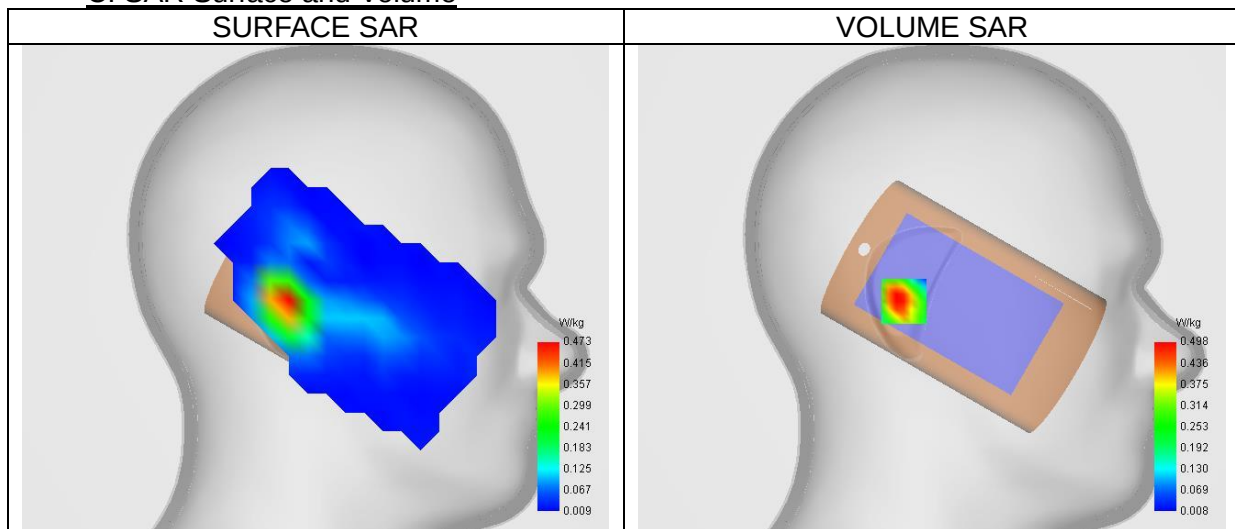
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.35
Area Scan	dx=10mm dy=10mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete
Phantom	Left head
Device Position	Cheek
Band	U-NII-3
Signal	IEEE 802.11 n
Channels/Frequency	Middle (159)/ frequency 5795.00 Mhz

B. Permittivity

Middle TX Frequency (MHz)	5795.00
Relative permittivity (real part)	36.49
Relative permittivity (imaginary part)	15.96
Conductivity (S/m)	5.14

C. SAR Surface and Volume



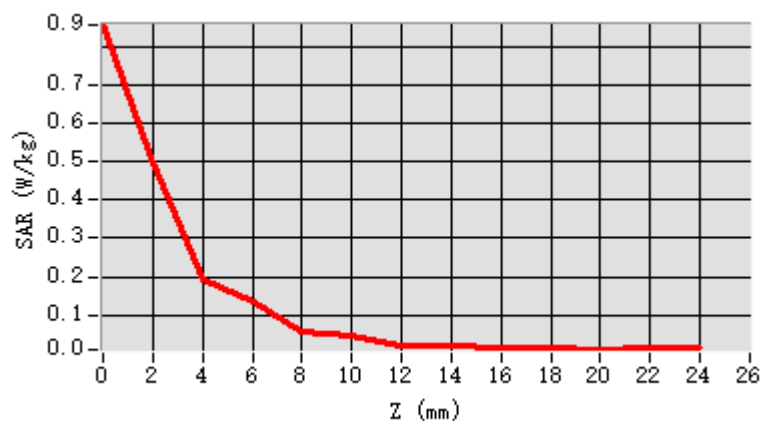
Maximum location: X=15.00, Y=-7.00 ; SAR Peak: 1.34 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.192
SAR 1g (W/Kg)	0.507
Variation (%)	4.22
Horizontal validation criteria: minimum distance (mm)	11.31
Vertical validation criteria: SAR ratio M2/M1 (%)	53.80

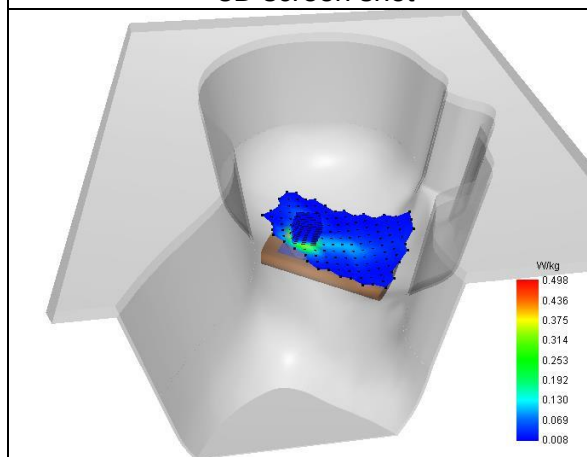
E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
						0	0	0	0	0	0	0
SAR (W/Kg)	0.85	0.49	0.19	0.13	0.05	0.04	0.01	0.01	0.01	0.01	0.00	0.01
	7	8	1	5	5	6	7	9	4	4	9	4

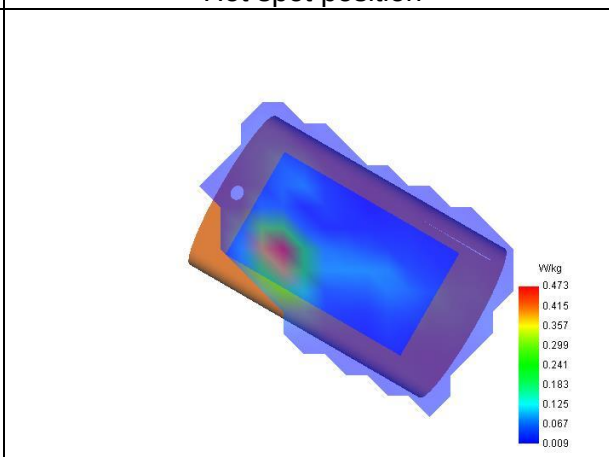


F. 3D Image

3D screen shot



Hot spot position



14# SAR Measurement at U-NII-3 (Body, Validation Plane)

Date of measurement: 19/3/2026

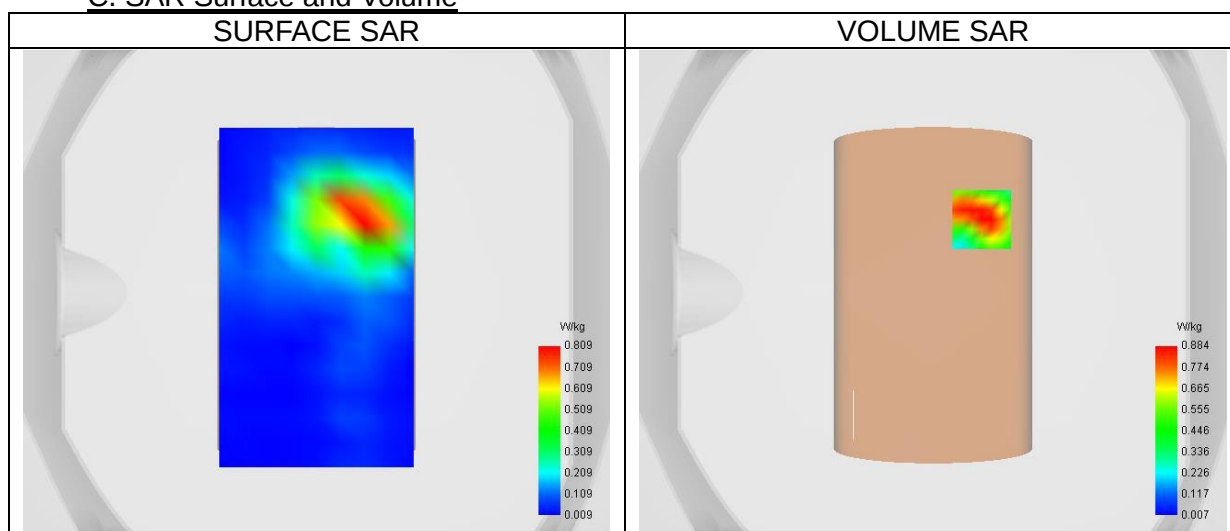
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.35
Area Scan	dx=10mm dy=10mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	U-NII-3
Signal	IEEE 802.11 a
Channels/Frequency	Middle (157)/ frequency 5785.00 Mhz

B. Permittivity

Middle TX Frequency (MHz)	5785.00
Relative permittivity (real part)	36.58
Relative permittivity (imaginary part)	15.79
Conductivity (S/m)	5.08

C. SAR Surface and Volume



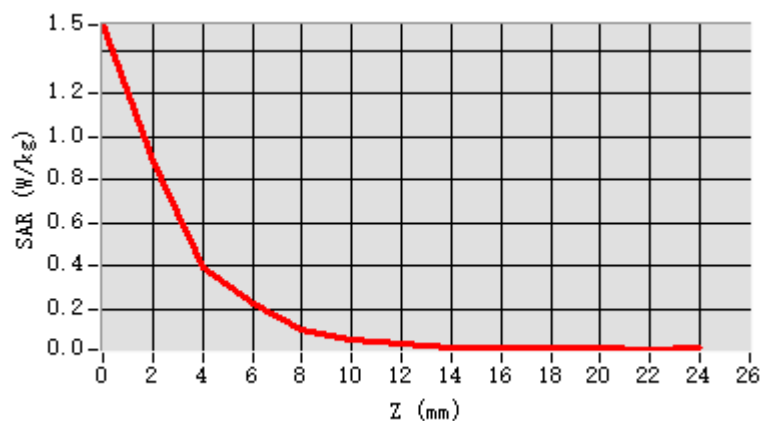
Maximum location: X=20.00, Y=30.00 ; SAR Peak: 1.59 W/kg

D. SAR 1g & 10g

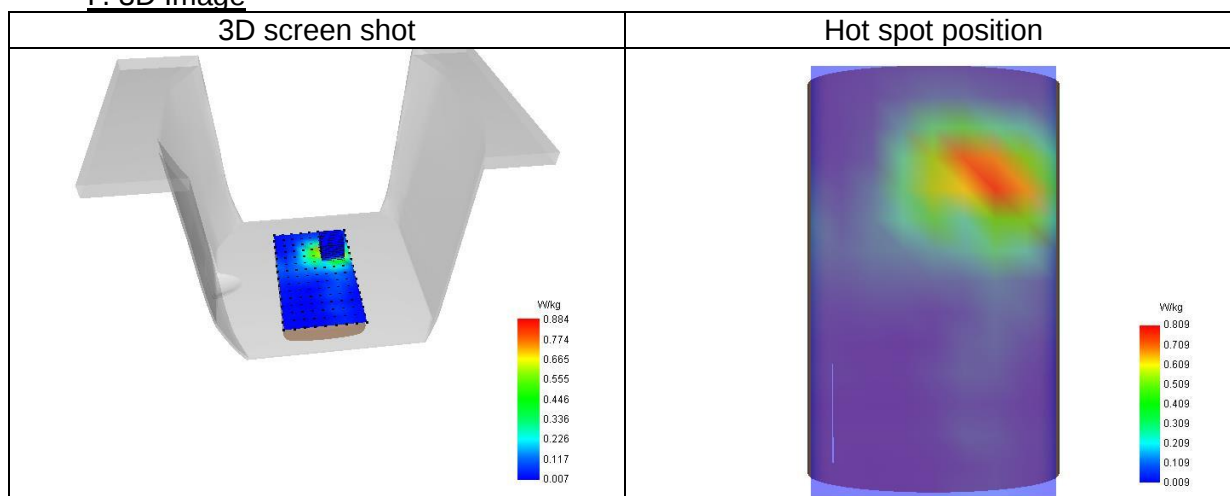
SAR 10g (W/Kg)	0.204
SAR 1g (W/Kg)	0.524
Variation (%)	3.76
Horizontal validation criteria: minimum distance (mm)	11.31
Vertical validation criteria: SAR ratio M2/M1 (%)	50.85

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
SAR (W/Kg)	1.52	0.88	0.39	0.22	0.10	0.06	0.03	0.02	0.02	0.01	0.01	0.00
	0	4	5	4	6	0	4	2	0	6	6	9



F. 3D Image



15# SAR Measurement at ISM (Cheek, Left)

Date of measurement: 17/3/2026

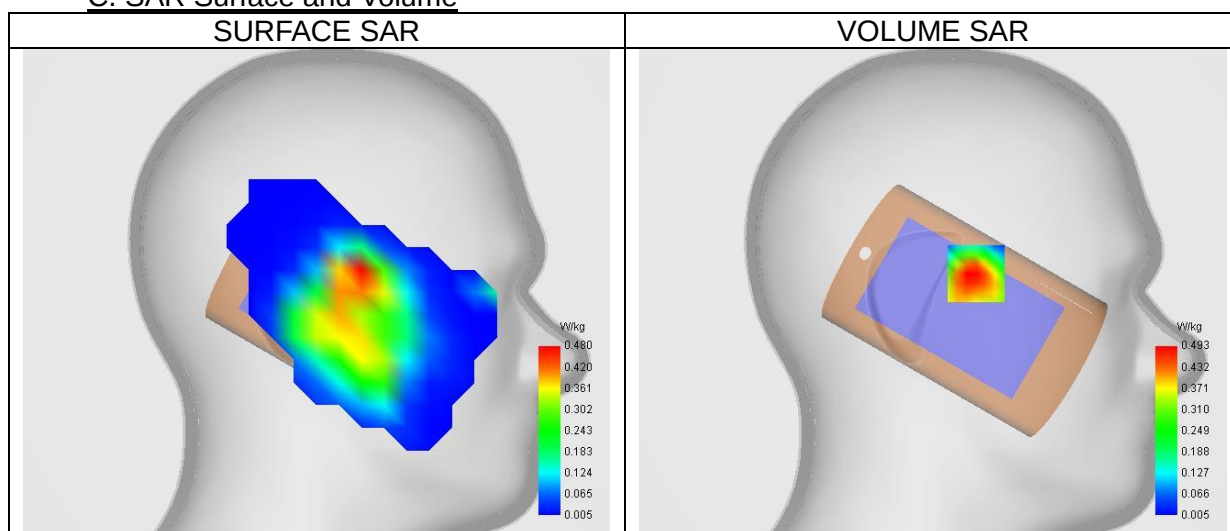
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.63
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Left head
Device Position	Cheek
Band	ISM
Signal	IEEE 802.11 b
Channels/Frequency	Middle (1)/ frequency 2412.00 Mhz

B. Permittivity

Middle TX Frequency (MHz)	2412.00
Relative permittivity (real part)	40.95
Relative permittivity (imaginary part)	13.14
Conductivity (S/m)	1.76

C. SAR Surface and Volume



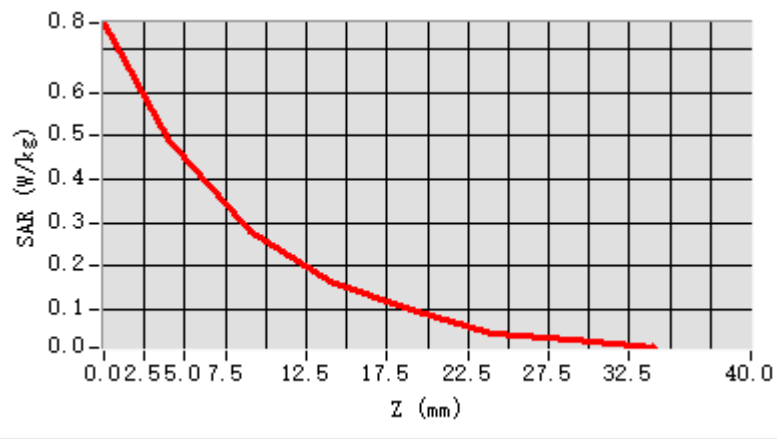
Maximum location: X=-23.00, Y=10.00 ; SAR Peak: 0.73 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.250
SAR 1g (W/Kg)	0.458
Variation (%)	0.11
Horizontal validation criteria: minimum distance (mm)	11.18
Vertical validation criteria: SAR ratio M2/M1 (%)	63.20

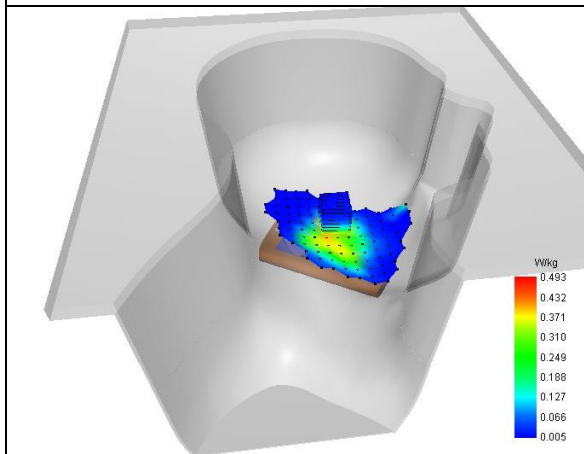
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.760	0.493	0.282	0.163	0.102	0.047	0.031

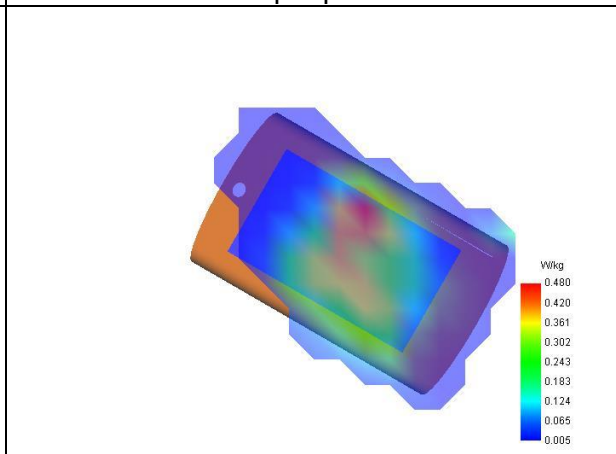


F. 3D Image

3D screen shot



Hot spot position



16# SAR Measurement at ISM (Body, Validation Plane)

Date of measurement: 17/3/2026

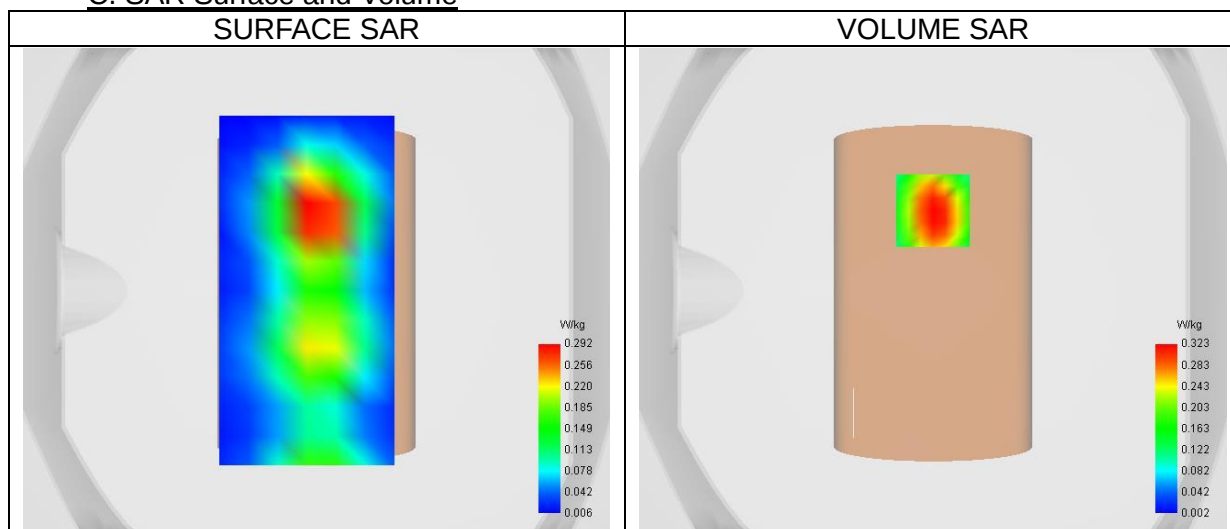
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.63
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	ISM
Signal	IEEE 802.11 b
Channels/Frequency	Middle (1)/ frequency 2412.00 Mhz

B. Permittivity

Middle TX Frequency (MHz)	2412.00
Relative permittivity (real part)	40.95
Relative permittivity (imaginary part)	13.14
Conductivity (S/m)	1.76

C. SAR Surface and Volume



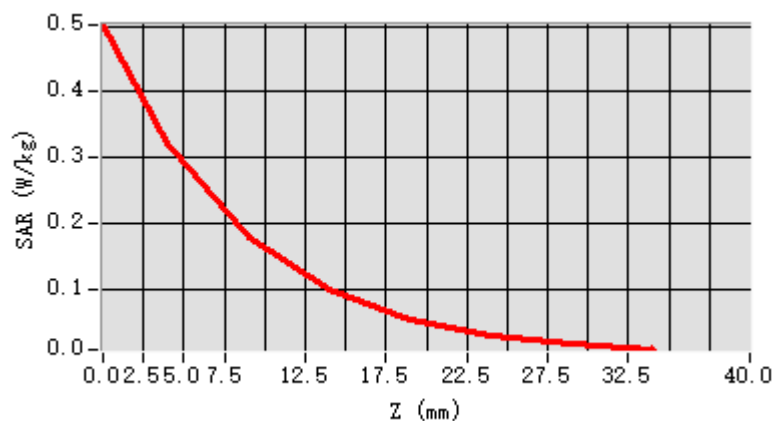
Maximum location: X=0.00, Y=33.00 ; SAR Peak: 0.50 W/kg

D. SAR 1g & 10g

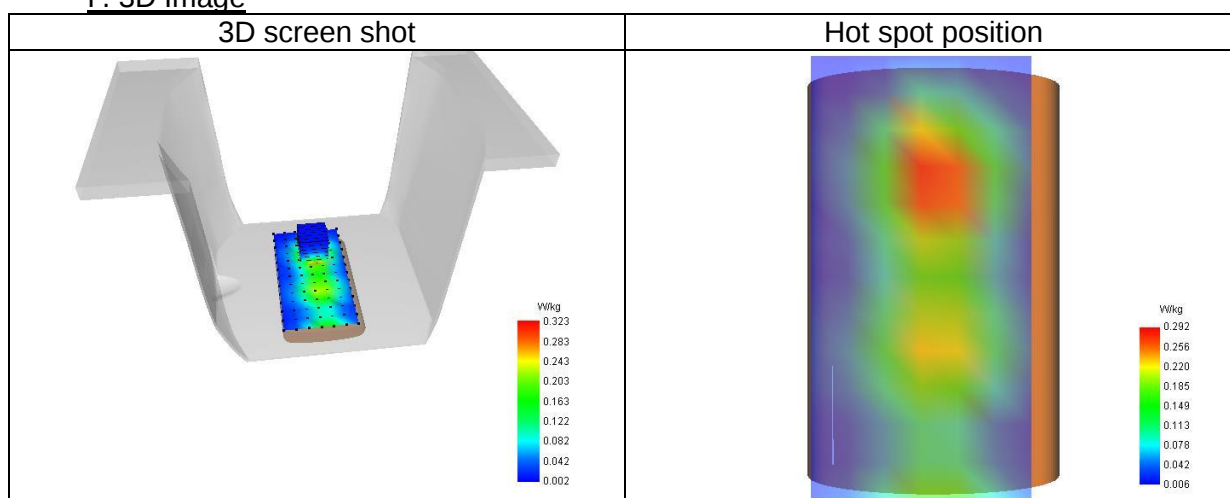
SAR 10g (W/Kg)	0.165
SAR 1g (W/Kg)	0.304
Variation (%)	2.24
Horizontal validation criteria: minimum distance (mm)	15.00
Vertical validation criteria: SAR ratio M2/M1 (%)	55.95

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.502	0.323	0.180	0.100	0.056	0.031	0.018



F. 3D Image



17# SAR Measurement at LTE band 2 (Cheek, Left)

Date of measurement: 7/3/2026

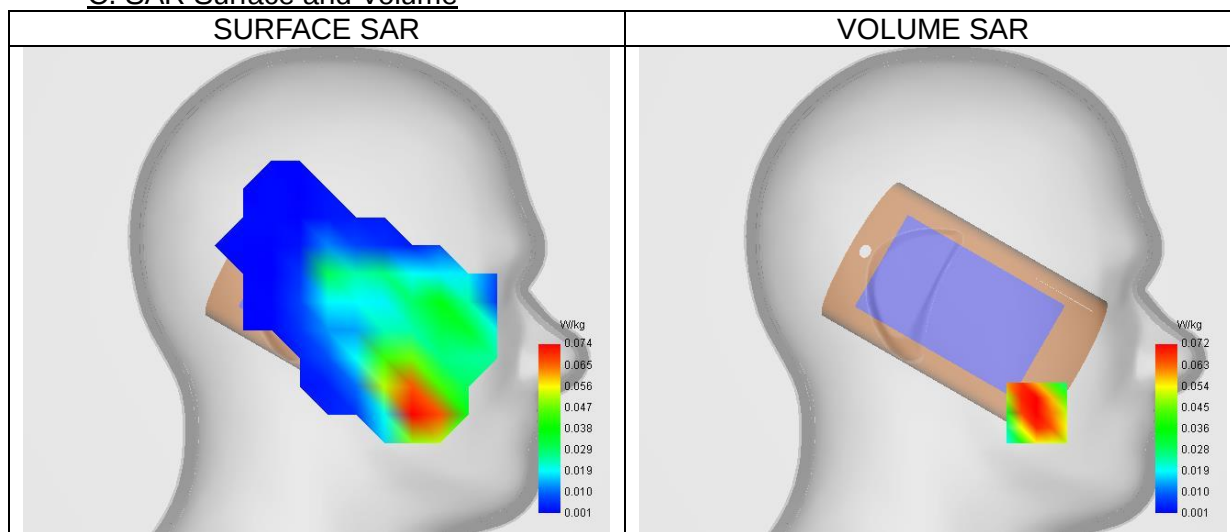
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Left head
Device Position	Cheek
Band	LTE band 2
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (18900)/ frequency 1880.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	1880.00

B. Permittivity

Middle TX Frequency (MHz)	1880.00
Relative permittivity (real part)	39.52
Relative permittivity (imaginary part)	13.70
Conductivity (S/m)	1.43

C. SAR Surface and Volume



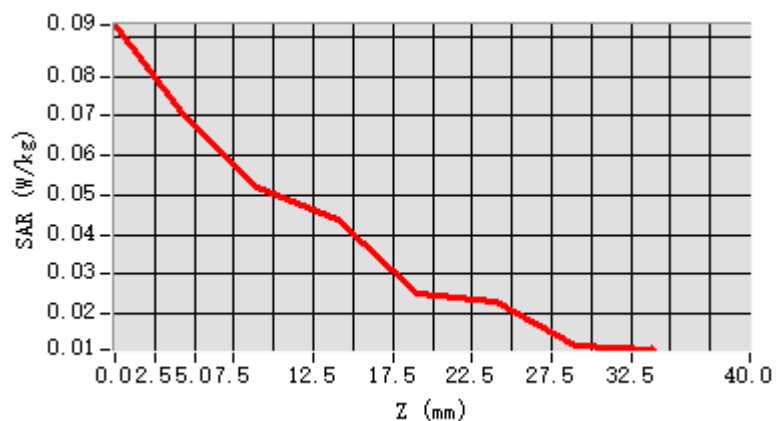
Maximum location: X=-55.00, Y=-65.00 ; SAR Peak: 0.11 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.045
SAR 1g (W/Kg)	0.072
Variation (%)	0.37
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	87.27

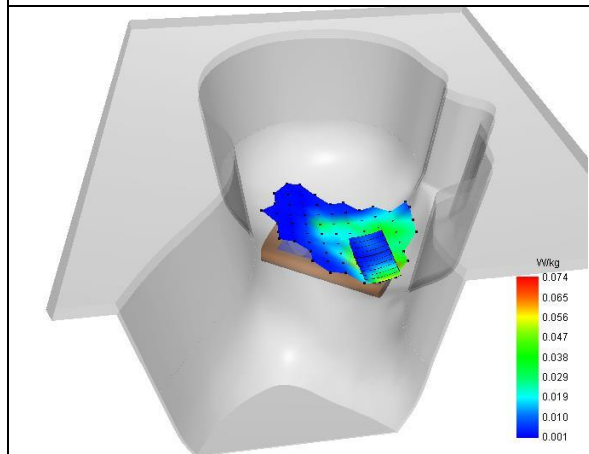
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.093	0.072	0.052	0.044	0.025	0.023	0.012

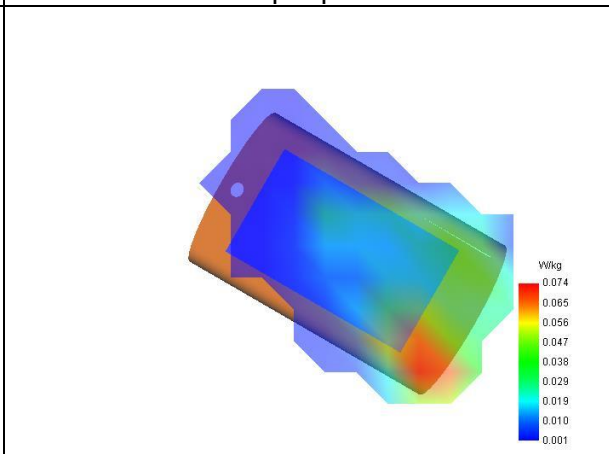


F. 3D Image

3D screen shot



Hot spot position



18# SAR Measurement at LTE band 2 (Body, Validation Plane)

Date of measurement: 7/3/2026

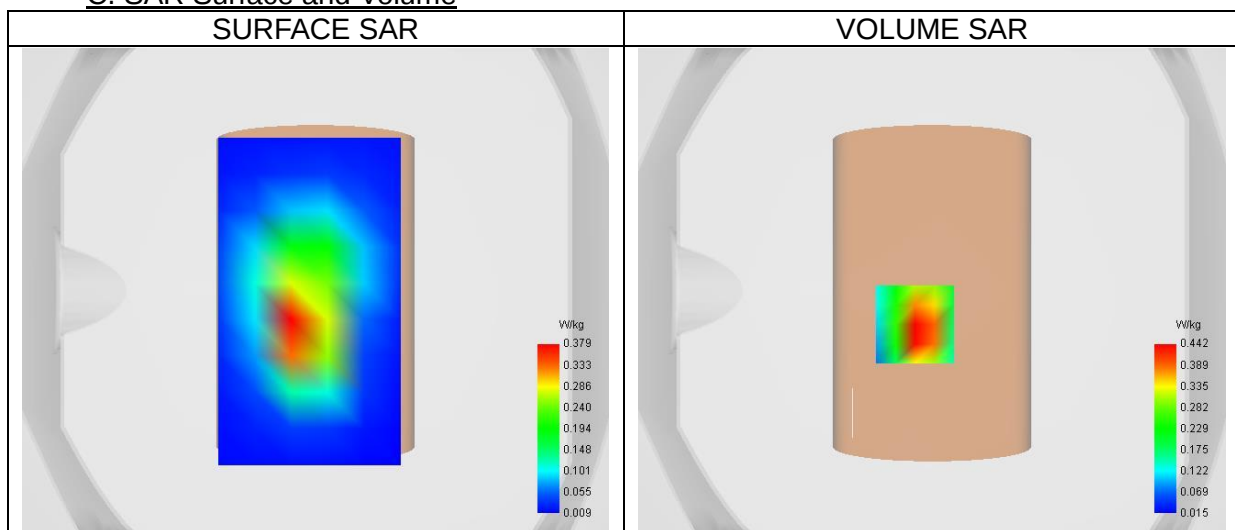
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 2
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (18900)/ frequency 1880.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	1880.00

B. Permittivity

Middle TX Frequency (MHz)	1880.00
Relative permittivity (real part)	39.52
Relative permittivity (imaginary part)	13.70
Conductivity (S/m)	1.43

C. SAR Surface and Volume



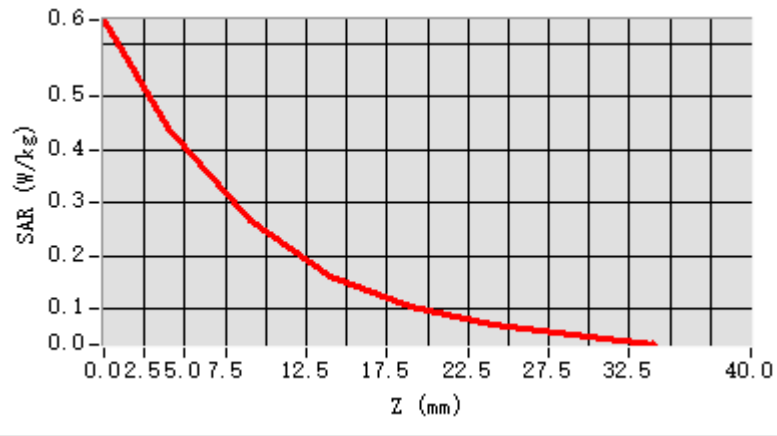
Maximum location: X=-7.00, Y=-14.00 ; SAR Peak: 0.70 W/kg

D. SAR 1g & 10g

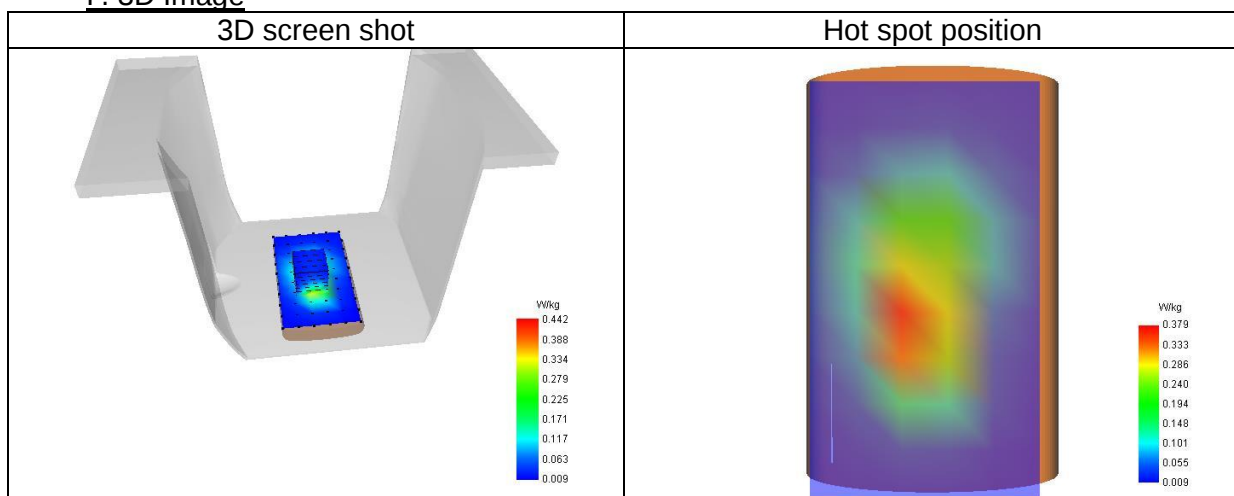
SAR 10g (W/Kg)	0.229
SAR 1g (W/Kg)	0.437
Variation (%)	-1.83
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	60.81

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.644	0.442	0.269	0.164	0.105	0.071	0.054



F. 3D Image



19# SAR Measurement at LTE band 4 (Cheek, Left)

Date of measurement: 6/3/2026

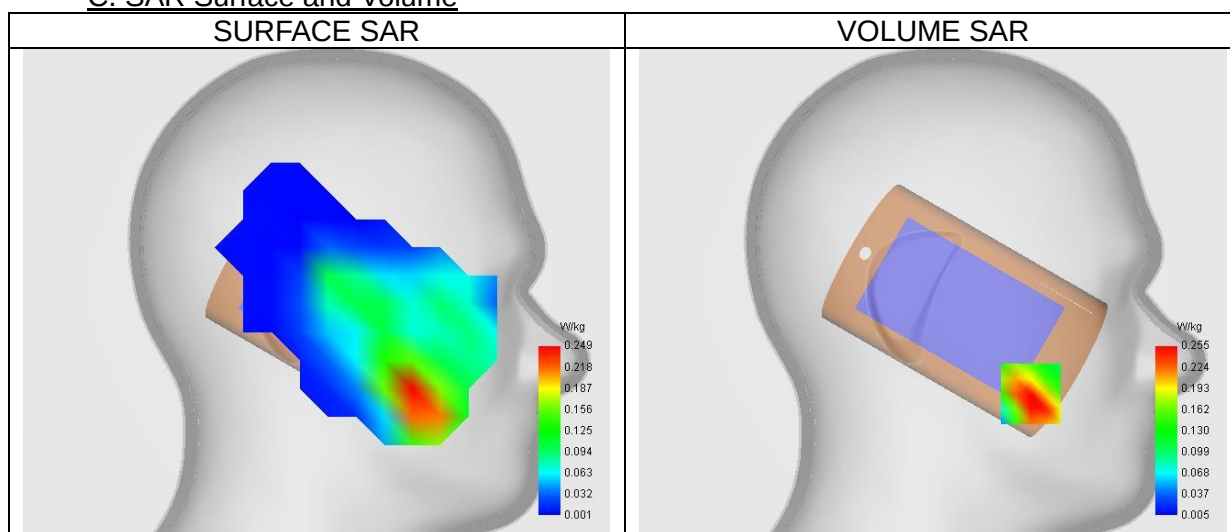
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.50
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Left head
Device Position	Cheek
Band	LTE band 4
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (20175)/ frequency 1732.50 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	1732.50

B. Permittivity

Middle TX Frequency (MHz)	1732.50
Relative permittivity (real part)	40.32
Relative permittivity (imaginary part)	13.85
Conductivity (S/m)	1.33

C. SAR Surface and Volume



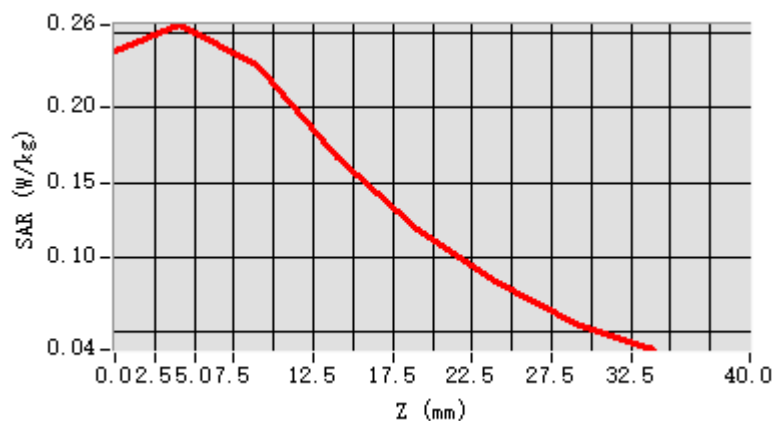
Maximum location: X=-52.00, Y=-54.00 ; SAR Peak: 0.33 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.164
SAR 1g (W/Kg)	0.246
Variation (%)	2.83
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	89.39

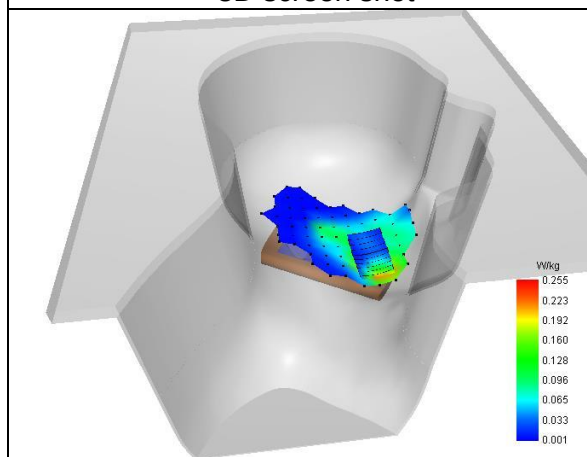
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.237	0.255	0.228	0.167	0.119	0.084	0.056

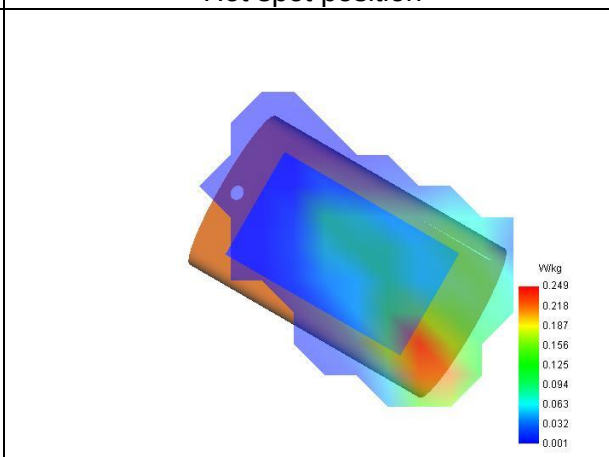


F. 3D Image

3D screen shot



Hot spot position



20# SAR Measurement at LTE band 4 (Body, Validation Plane)

Date of measurement: 6/3/2026

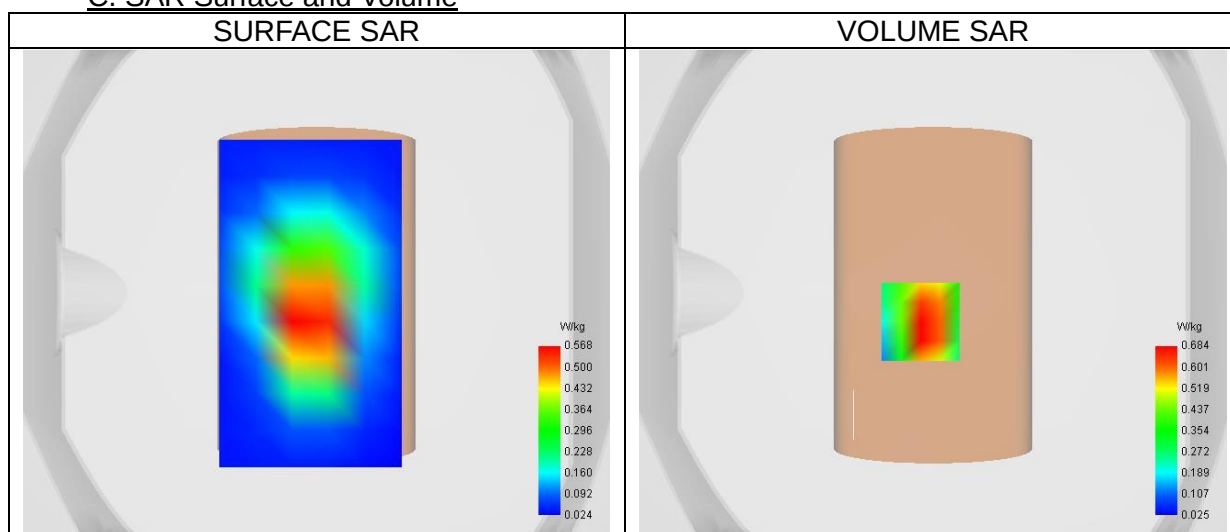
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.50
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 4
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (20175)/ frequency 1732.50 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	1732.50

B. Permittivity

Middle TX Frequency (MHz)	1732.50
Relative permittivity (real part)	40.32
Relative permittivity (imaginary part)	13.85
Conductivity (S/m)	1.33

C. SAR Surface and Volume



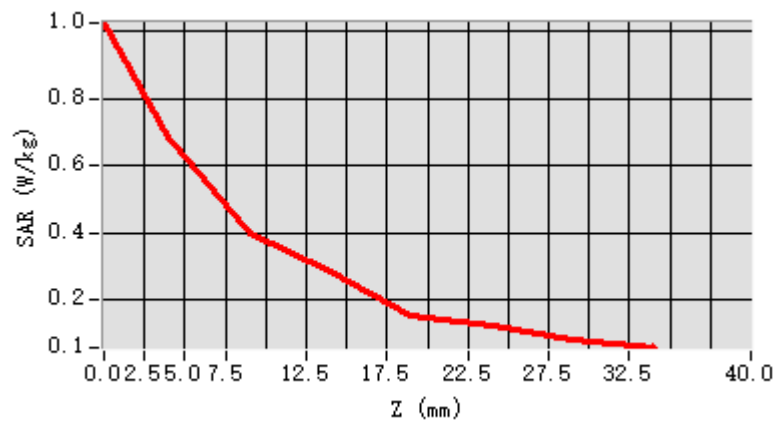
Maximum location: X=-5.00, Y=-12.00 ; SAR Peak: 1.01 W/kg

D. SAR 1g & 10g

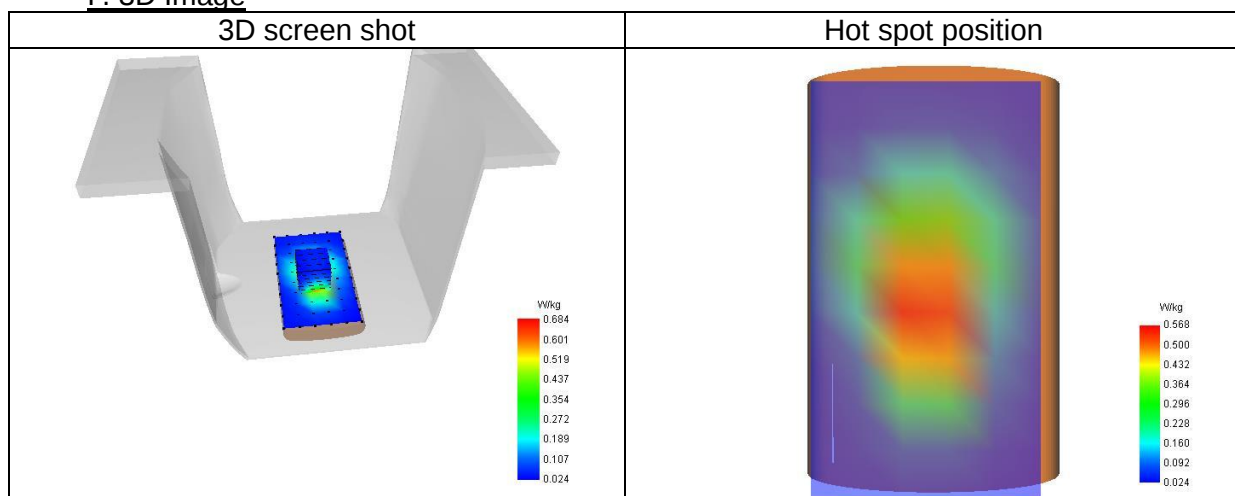
SAR 10g (W/Kg)	0.366
SAR 1g (W/Kg)	0.658
Variation (%)	-0.87
Horizontal validation criteria: minimum distance (mm)	11.31
Vertical validation criteria: SAR ratio M2/M1 (%)	66.43

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.024	0.684	0.399	0.285	0.155	0.124	0.082



F. 3D Image



21# SAR Measurement at LTE band 5 (Cheek, Left)

Date of measurement: 16/3/2026

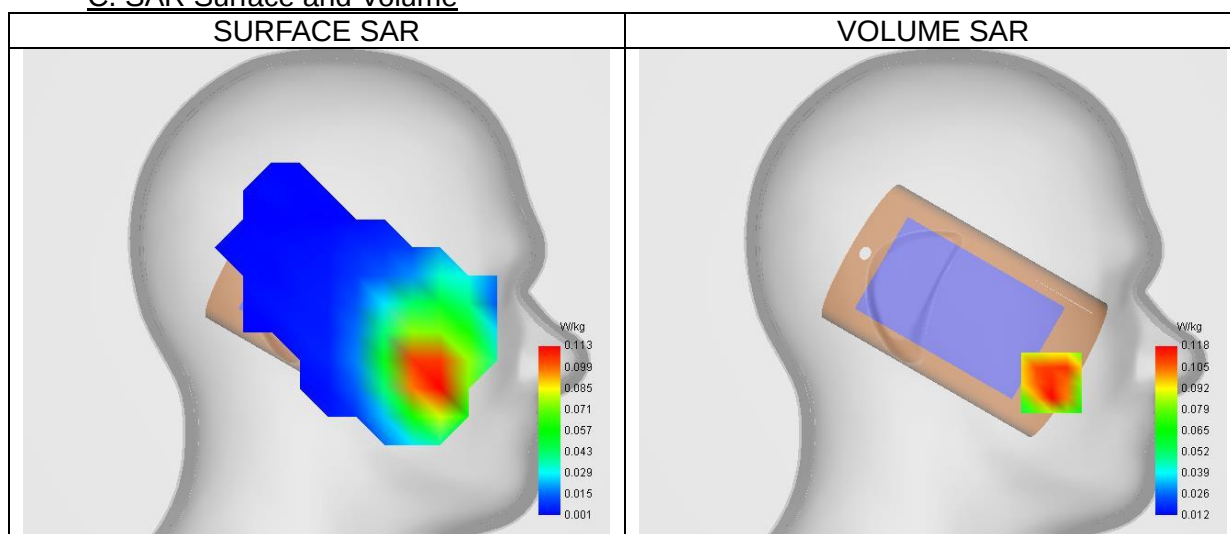
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Left head
Device Position	Cheek
Band	LTE band 5
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (20525)/ frequency 836.50 Mhz
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	836.50

B. Permittivity

Middle TX Frequency (MHz)	836.50
Relative permittivity (real part)	42.81
Relative permittivity (imaginary part)	20.06
Conductivity (S/m)	0.93

C. SAR Surface and Volume



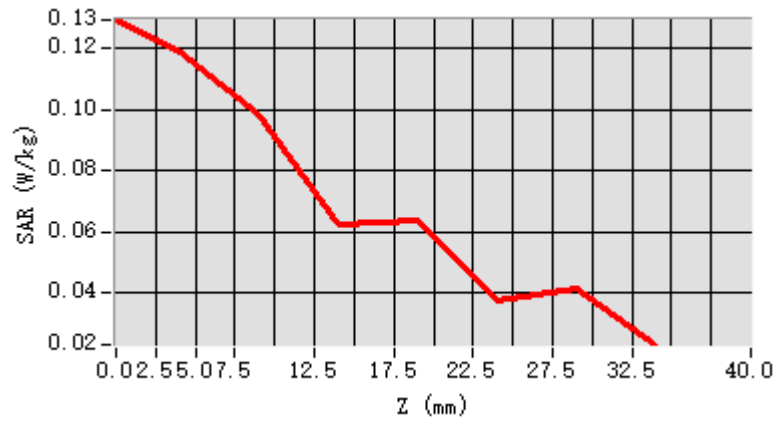
Maximum location: X=-63.00, Y=-48.00 ; SAR Peak: 0.17 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.079
SAR 1g (W/Kg)	0.118
Variation (%)	1.57
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	85.32

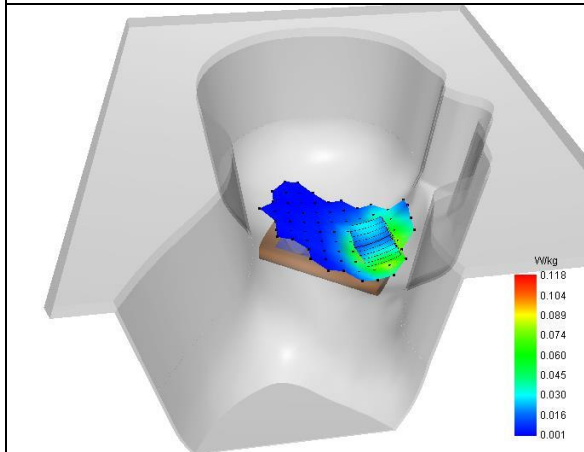
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.129	0.118	0.098	0.063	0.064	0.037	0.041

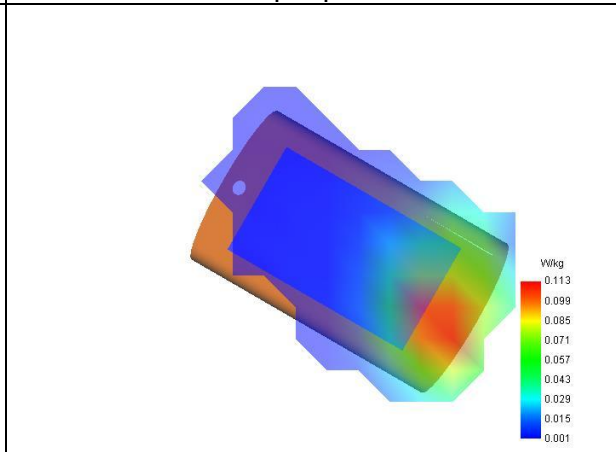


F. 3D Image

3D screen shot



Hot spot position



22# SAR Measurement at LTE band 5 (Body, Validation Plane)

Date of measurement: 16/3/2026

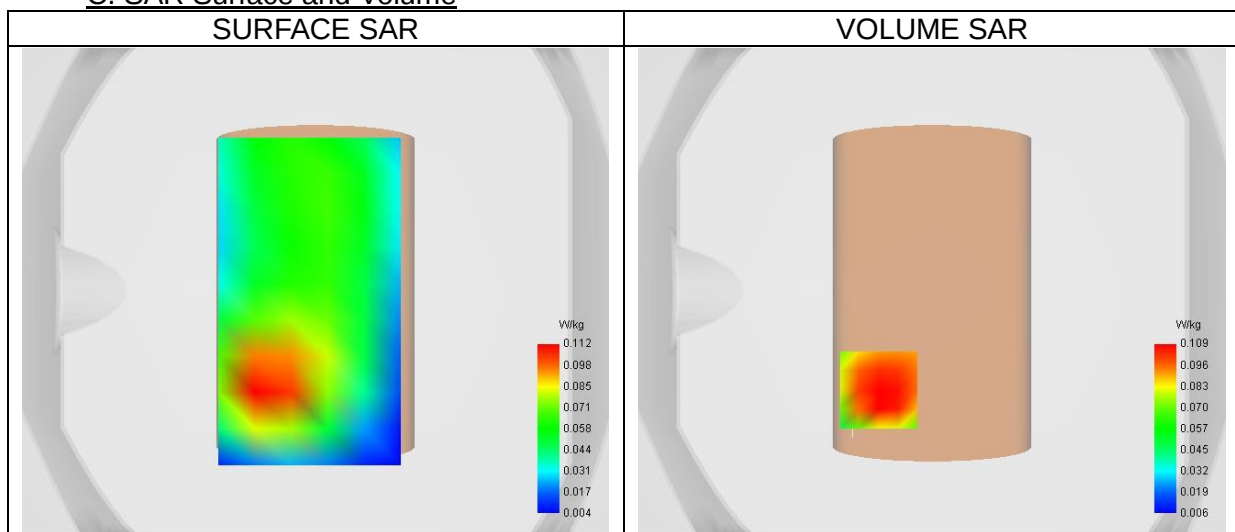
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 5
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (20525)/ frequency 836.50 Mhz
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	836.50

B. Permittivity

Middle TX Frequency (MHz)	836.50
Relative permittivity (real part)	42.81
Relative permittivity (imaginary part)	20.06
Conductivity (S/m)	0.93

C. SAR Surface and Volume



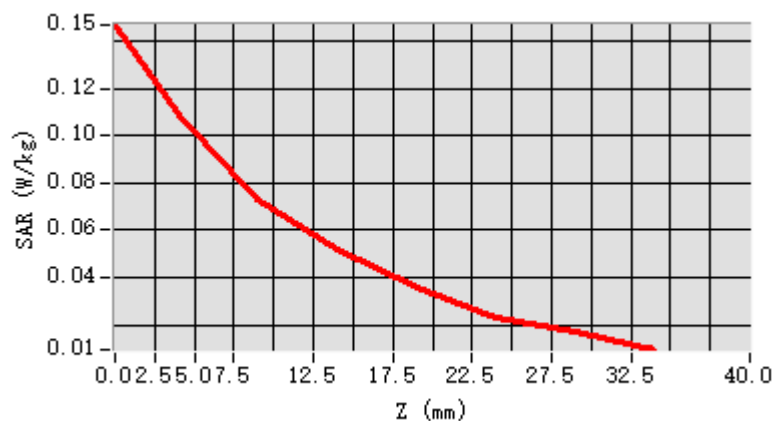
Maximum location: X=-22.00, Y=-41.00 ; SAR Peak: 0.15 W/kg

D. SAR 1g & 10g

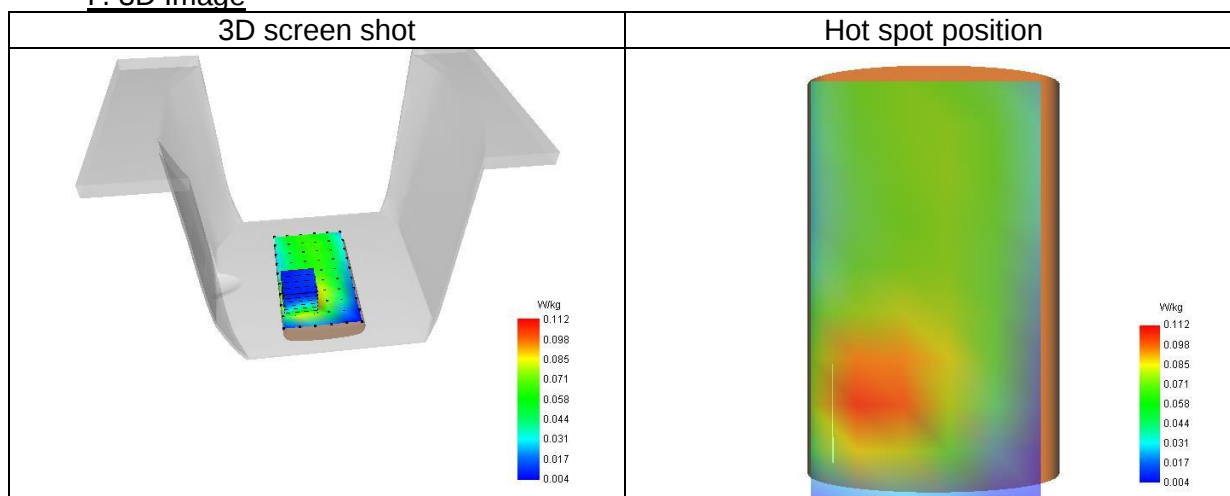
SAR 10g (W/Kg)	0.071
SAR 1g (W/Kg)	0.108
Variation (%)	0.96
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	72.97

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.147	0.109	0.073	0.052	0.035	0.023	0.017



F. 3D Image



23# SAR Measurement at LTE band 7 (Cheek, Left)

Date of measurement: 3/3/2026

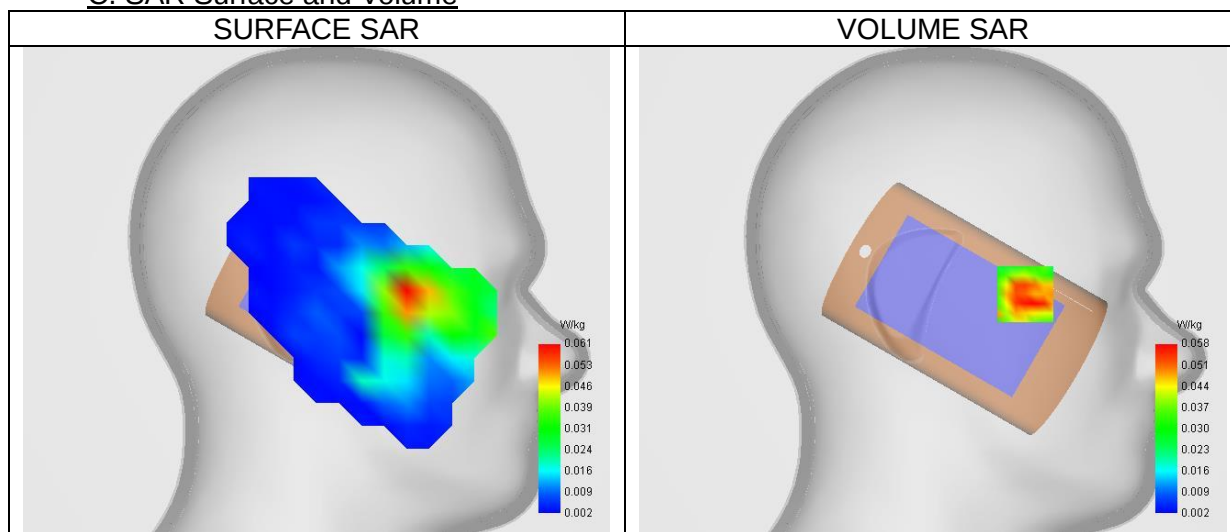
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.52
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Left head
Device Position	Cheek
Band	LTE band 7
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (21100)/ frequency 2535.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	2535.00

B. Permittivity

Middle TX Frequency (MHz)	2535.00
Relative permittivity (real part)	40.22
Relative permittivity (imaginary part)	13.37
Conductivity (S/m)	1.88

C. SAR Surface and Volume



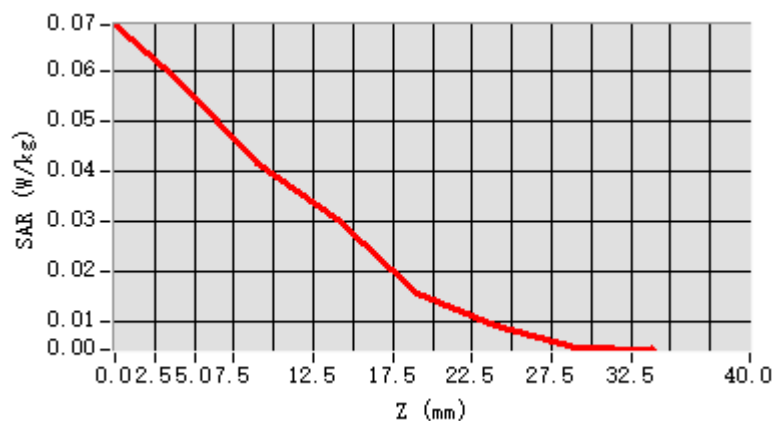
Maximum location: X=-49.00, Y=-2.00 ; SAR Peak: 0.09 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.031
SAR 1g (W/Kg)	0.048
Variation (%)	2.66
Horizontal validation criteria: minimum distance (mm)	18.03
Vertical validation criteria: SAR ratio M2/M1 (%)	82.82

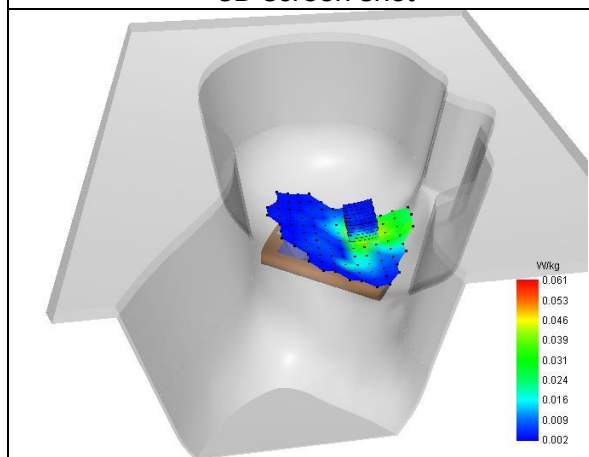
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.069	0.058	0.042	0.031	0.016	0.009	0.005

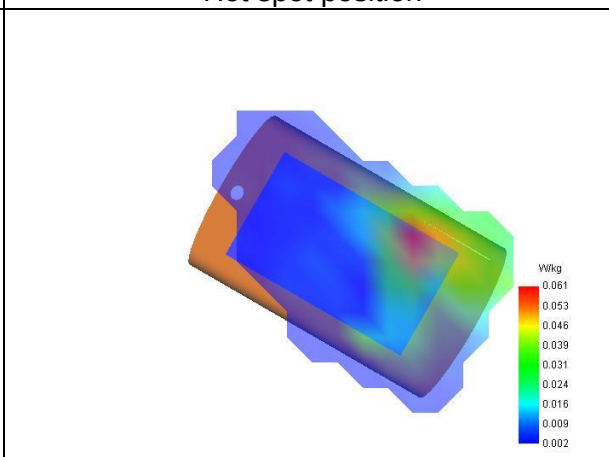


F. 3D Image

3D screen shot



Hot spot position



24# SAR Measurement at LTE band 7 (Body, Validation Plane)

Date of measurement: 3/3/2026

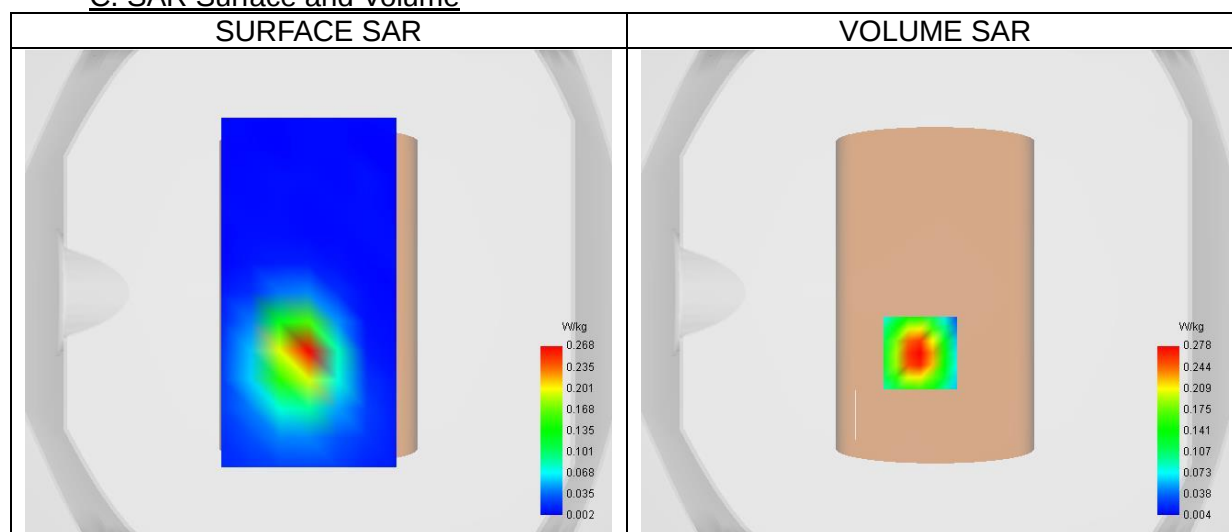
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.52
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7, dx=5mm dy=5mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 7
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (21100)/ frequency 2535.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	2535.00

B. Permittivity

Middle TX Frequency (MHz)	2535.00
Relative permittivity (real part)	40.22
Relative permittivity (imaginary part)	13.37
Conductivity (S/m)	1.88

C. SAR Surface and Volume



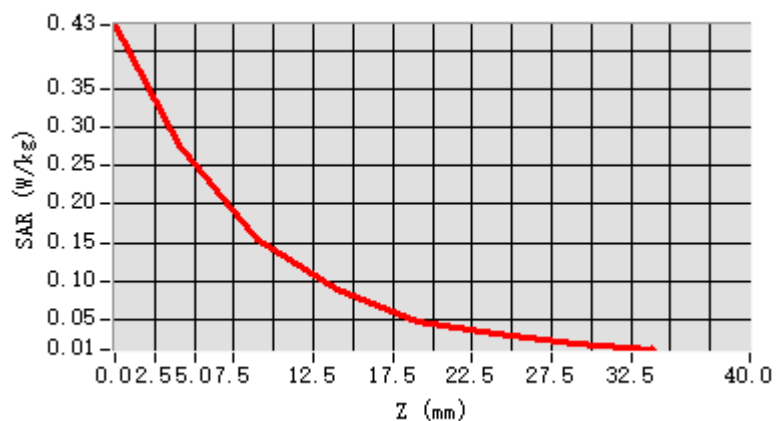
Maximum location: X=-6.00, Y=-25.00 ; SAR Peak: 0.44 W/kg

D. SAR 1g & 10g

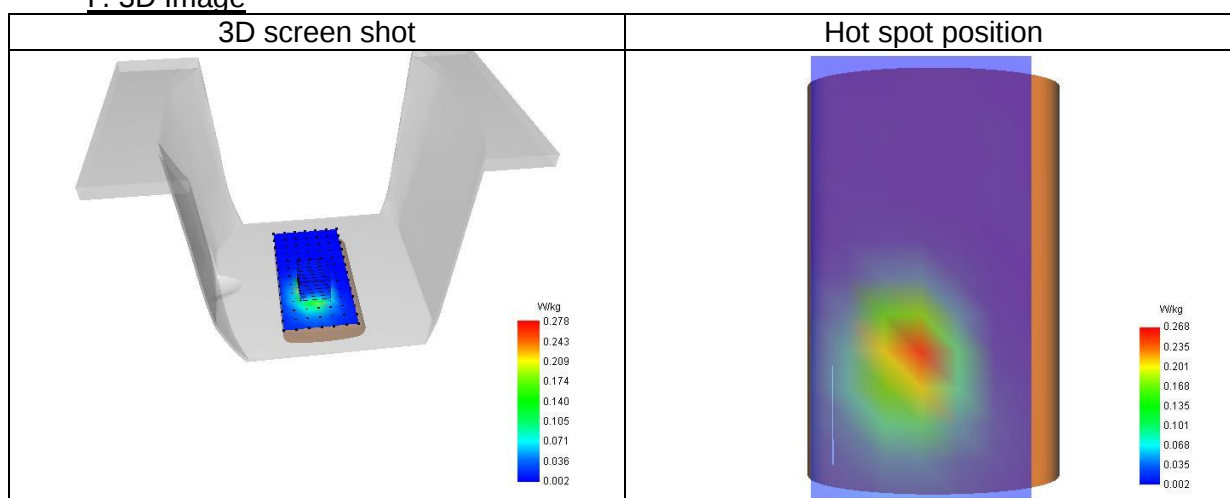
SAR 10g (W/Kg)	0.128
SAR 1g (W/Kg)	0.258
Variation (%)	2.10
Horizontal validation criteria: minimum distance (mm)	11.18
Vertical validation criteria: SAR ratio M2/M1 (%)	55.13

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.434	0.278	0.153	0.089	0.047	0.032	0.018



F. 3D Image



25# SAR Measurement at LTE band 12 (Cheek, Left)

Date of measurement: 14/3/2026

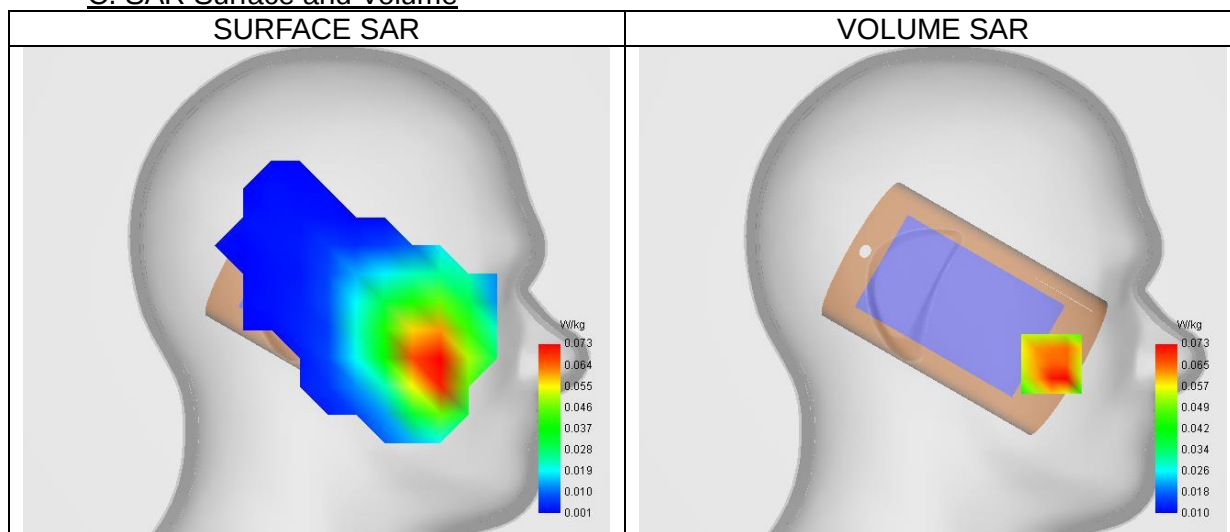
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.39
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Left head
Device Position	Cheek
Band	LTE band 12
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (23095)/ frequency 707.50 Mhz
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	707.50

B. Permittivity

Middle TX Frequency (MHz)	707.50
Relative permittivity (real part)	43.25
Relative permittivity (imaginary part)	21.93
Conductivity (S/m)	0.86

C. SAR Surface and Volume



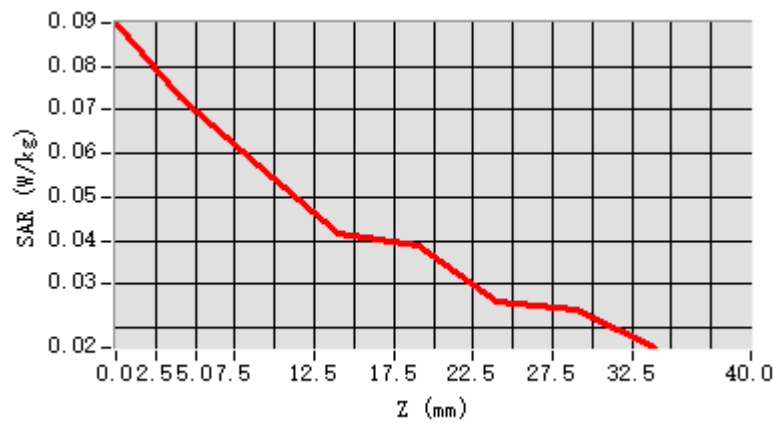
Maximum location: X=-63.00, Y=-39.00 ; SAR Peak: 0.10 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.052
SAR 1g (W/Kg)	0.072
Variation (%)	4.37
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

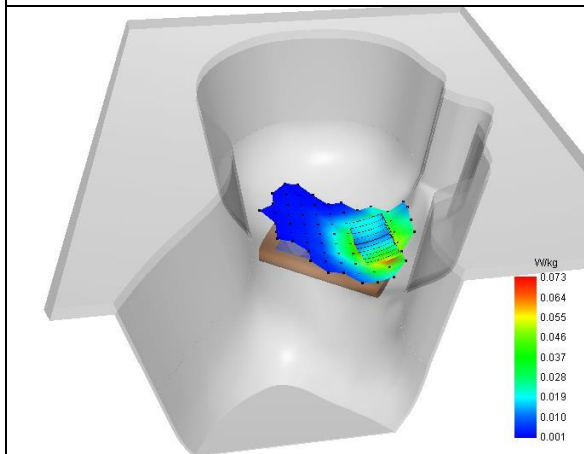
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.090	0.073	0.057	0.042	0.039	0.026	0.024

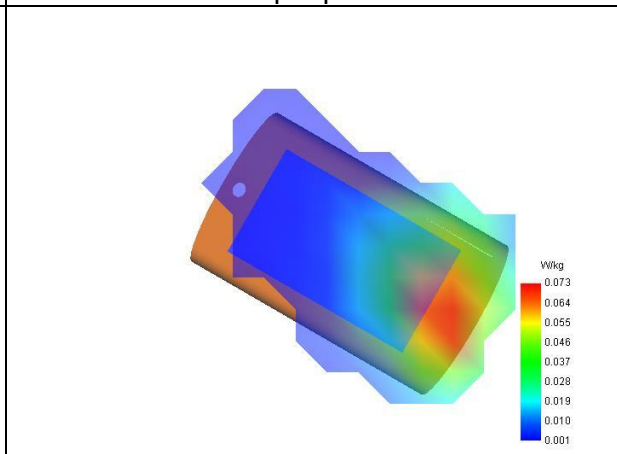


F. 3D Image

3D screen shot



Hot spot position



26# SAR Measurement at LTE band 12 (Body, Validation Plane)

Date of measurement: 14/3/2026

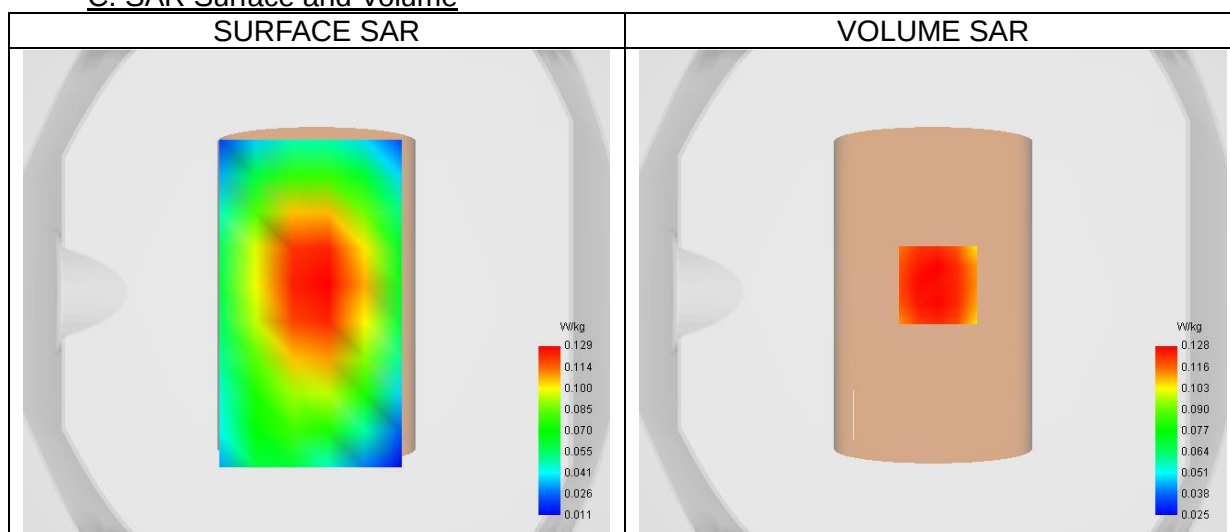
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.39
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 12
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (23095)/ frequency 707.50 Mhz
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	707.50

B. Permittivity

Middle TX Frequency (MHz)	707.50
Relative permittivity (real part)	43.25
Relative permittivity (imaginary part)	21.93
Conductivity (S/m)	0.86

C. SAR Surface and Volume



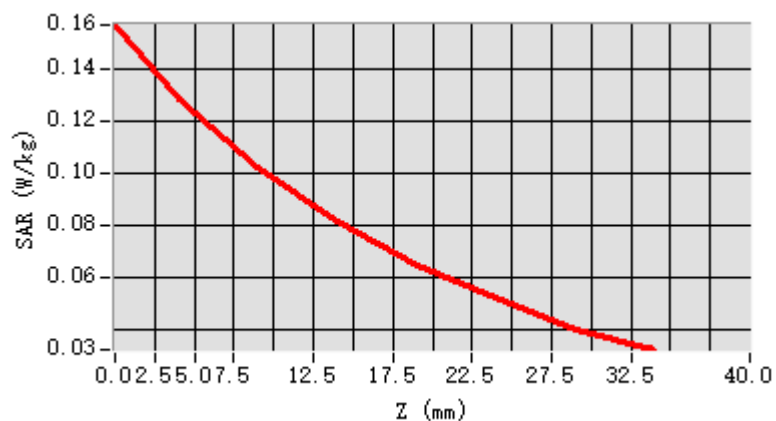
Maximum location: X=2.00, Y=3.00 ; SAR Peak: 0.16 W/kg

D. SAR 1g & 10g

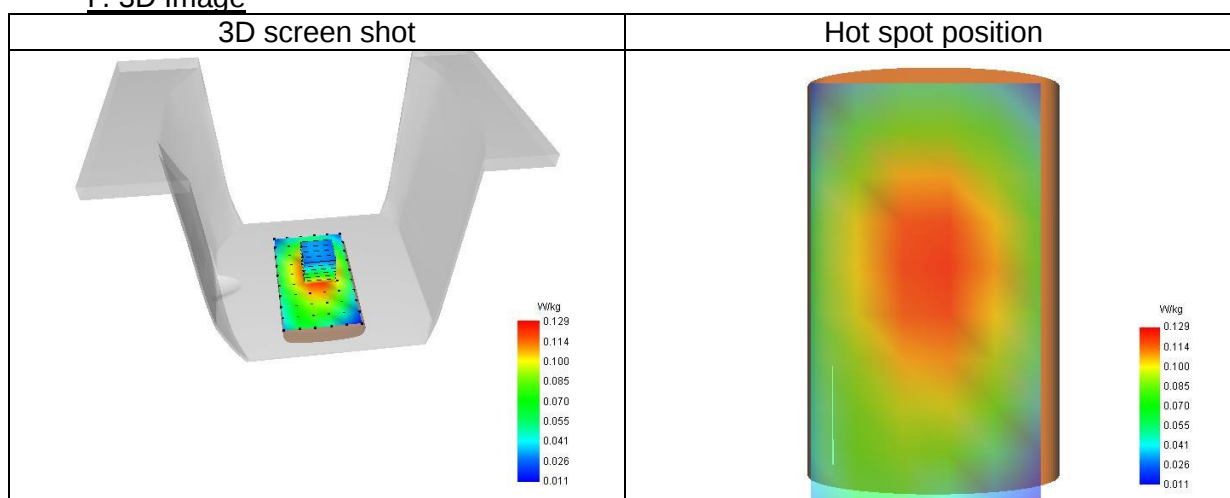
SAR 10g (W/Kg)	0.095
SAR 1g (W/Kg)	0.125
Variation (%)	-1.13
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.157	0.128	0.102	0.081	0.065	0.052	0.040



F. 3D Image



27# SAR Measurement at LTE band 17 (Cheek, Left)

Date of measurement: 14/3/2026

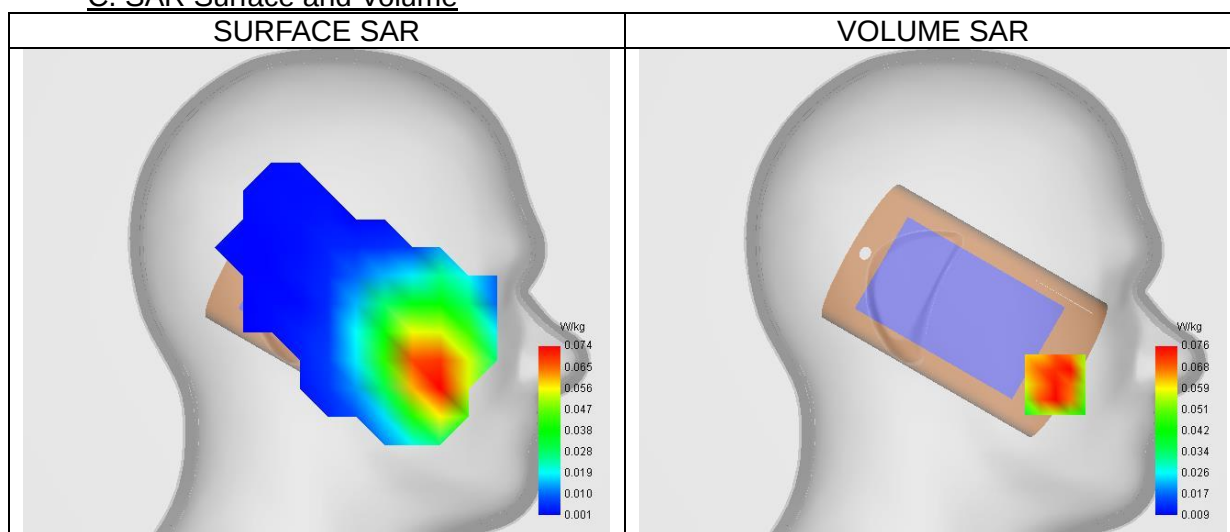
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.39
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Left head
Device Position	Cheek
Band	LTE band 17
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (23790)/ frequency 710.00 Mhz
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	710.00

B. Permittivity

Middle TX Frequency (MHz)	710.00
Relative permittivity (real part)	43.23
Relative permittivity (imaginary part)	21.96
Conductivity (S/m)	0.87

C. SAR Surface and Volume



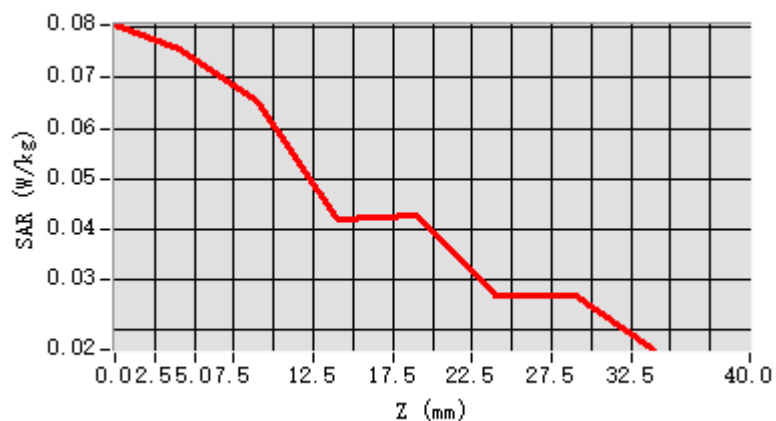
Maximum location: X=-65.00, Y=-49.00 ; SAR Peak: 0.11 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.050
SAR 1g (W/Kg)	0.076
Variation (%)	1.35
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

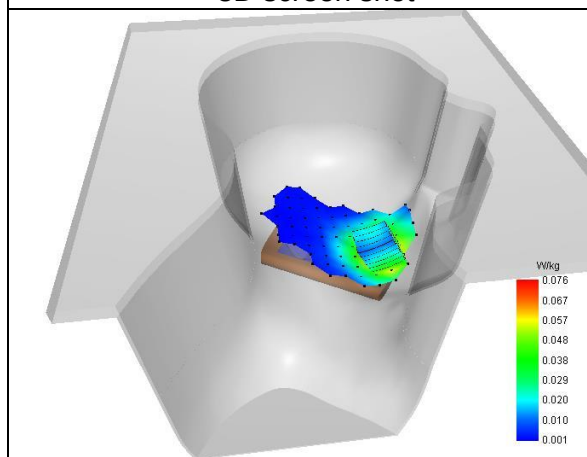
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.081	0.076	0.065	0.042	0.043	0.027	0.027

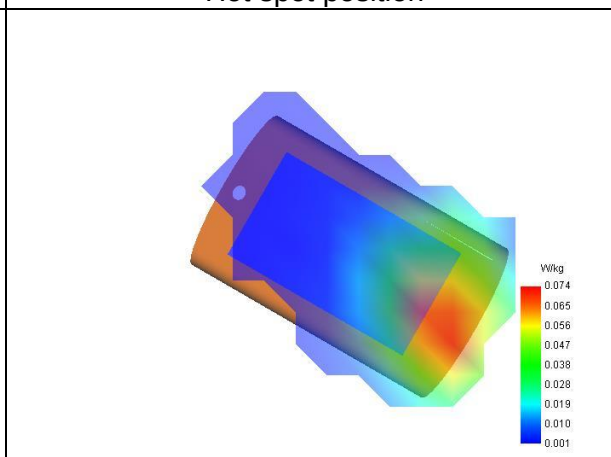


F. 3D Image

3D screen shot



Hot spot position



28# SAR Measurement at LTE band 17 (Body, Validation Plane)

Date of measurement: 14/3/2026

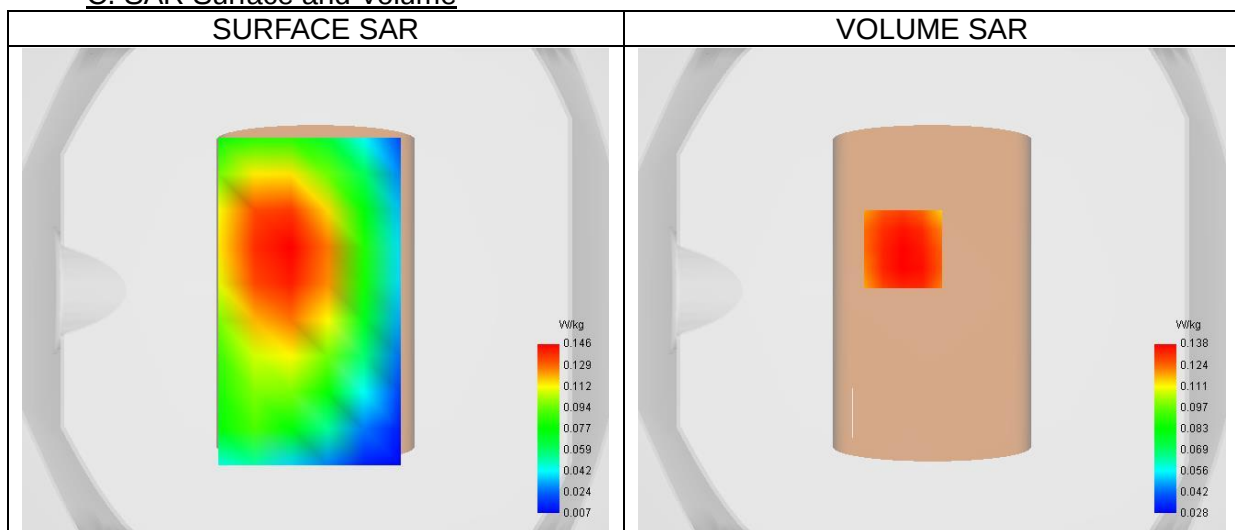
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.39
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 17
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (23790)/ frequency 710.00 Mhz
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	710.00

B. Permittivity

Middle TX Frequency (MHz)	710.00
Relative permittivity (real part)	43.23
Relative permittivity (imaginary part)	21.96
Conductivity (S/m)	0.87

C. SAR Surface and Volume



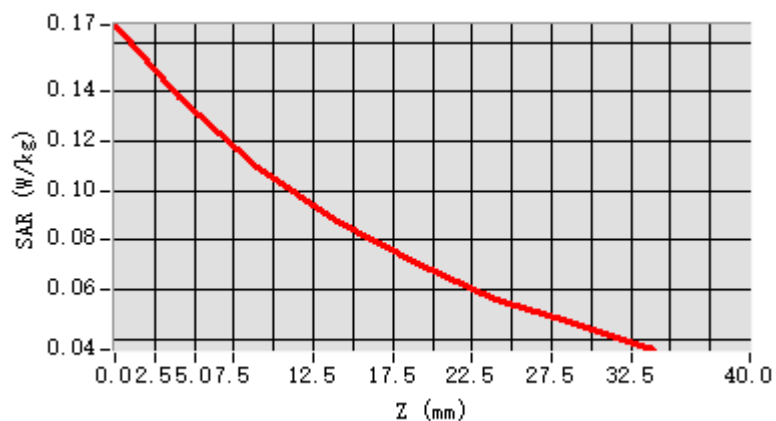
Maximum location: X=-12.00, Y=17.00 ; SAR Peak: 0.17 W/kg

D. SAR 1g & 10g

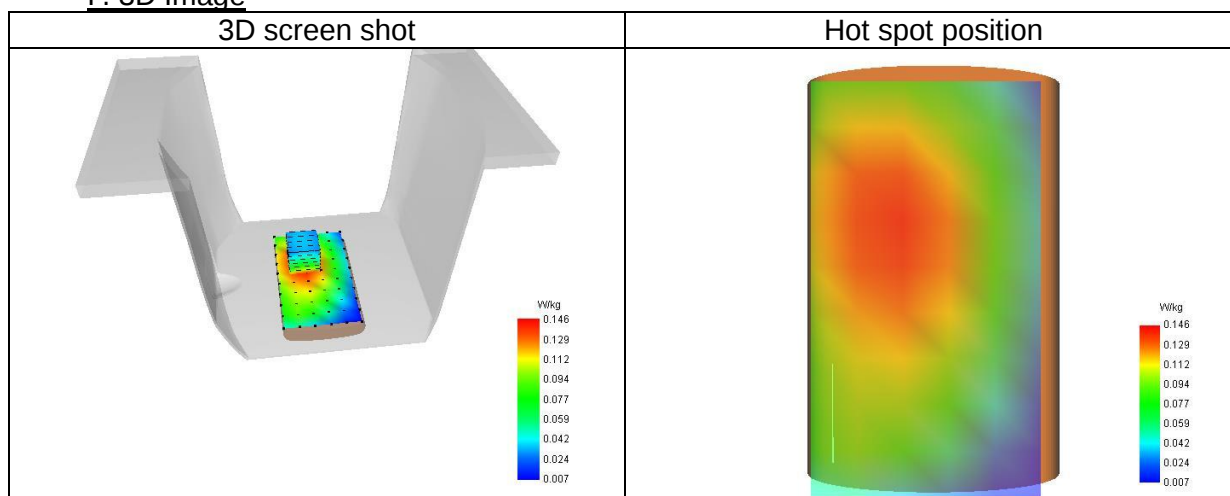
SAR 10g (W/Kg)	0.103
SAR 1g (W/Kg)	0.135
Variation (%)	-2.43
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.167	0.138	0.109	0.087	0.071	0.056	0.046



F. 3D Image



29# SAR Measurement at LTE band 41 (Cheek, Left)

Date of measurement: 8/3/2026

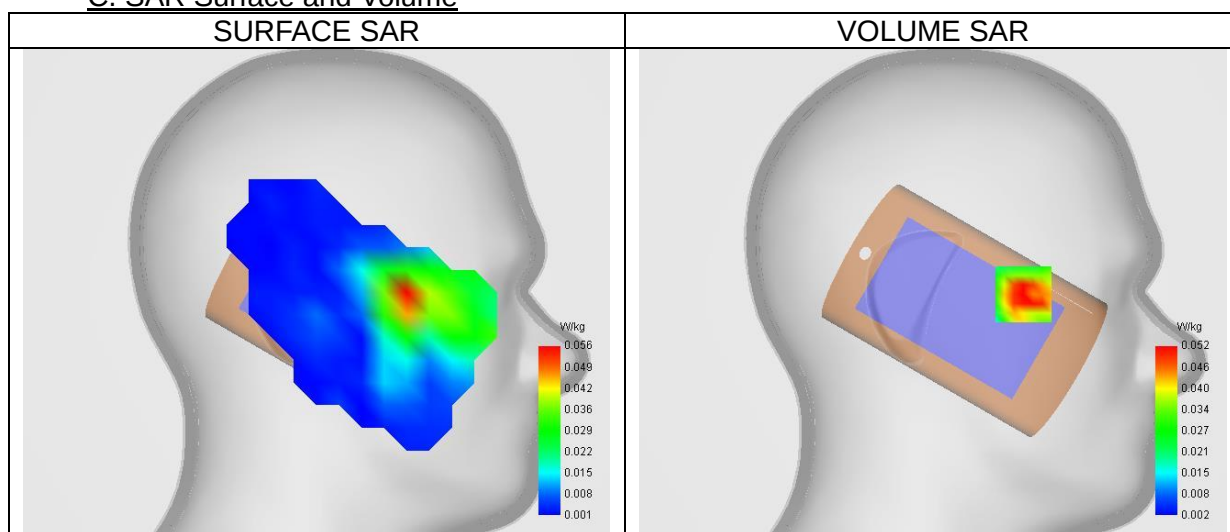
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.52
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Left head
Device Position	Cheek
Band	LTE band 41
Signal	LTE TDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (40620)/ frequency 2593.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	2593.00

B. Permittivity

Middle TX Frequency (MHz)	2593.00
Relative permittivity (real part)	40.17
Relative permittivity (imaginary part)	13.19
Conductivity (S/m)	1.90

C. SAR Surface and Volume



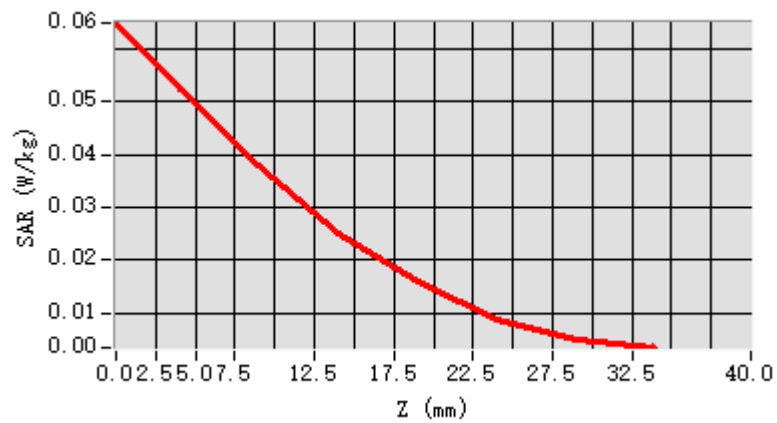
Maximum location: X=-48.00, Y=-1.00 ; SAR Peak: 0.07 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.030
SAR 1g (W/Kg)	0.048
Variation (%)	3.83
Horizontal validation criteria: minimum distance (mm)	15.00
Vertical validation criteria: SAR ratio M2/M1 (%)	82.17

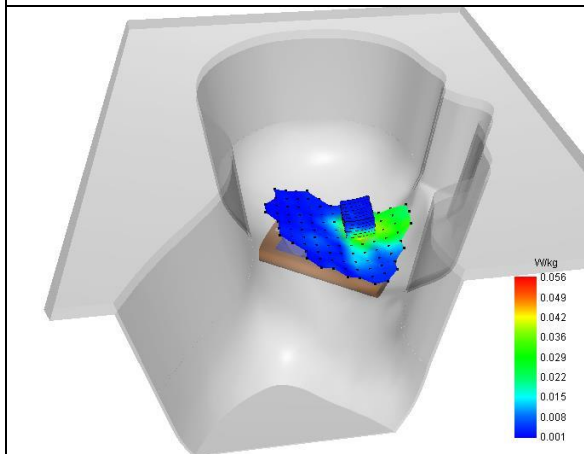
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.065	0.052	0.038	0.025	0.016	0.009	0.005

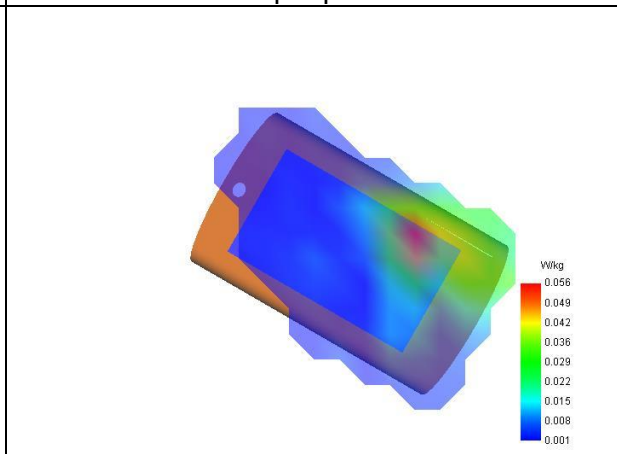


F. 3D Image

3D screen shot



Hot spot position



30# SAR Measurement at LTE band 41 (Body, Validation Plane)

Date of measurement: 8/3/2026

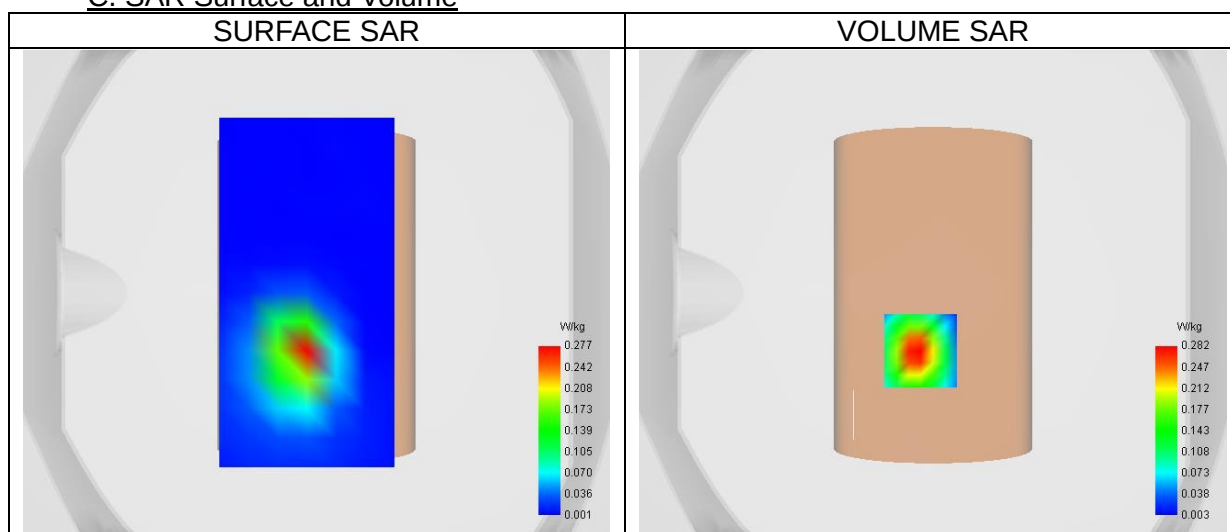
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.52
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7, dx=5mm dy=5mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 41
Signal	LTE TDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (40620)/ frequency 2593.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	2593.00

B. Permittivity

Middle TX Frequency (MHz)	2593.00
Relative permittivity (real part)	40.17
Relative permittivity (imaginary part)	13.19
Conductivity (S/m)	1.90

C. SAR Surface and Volume



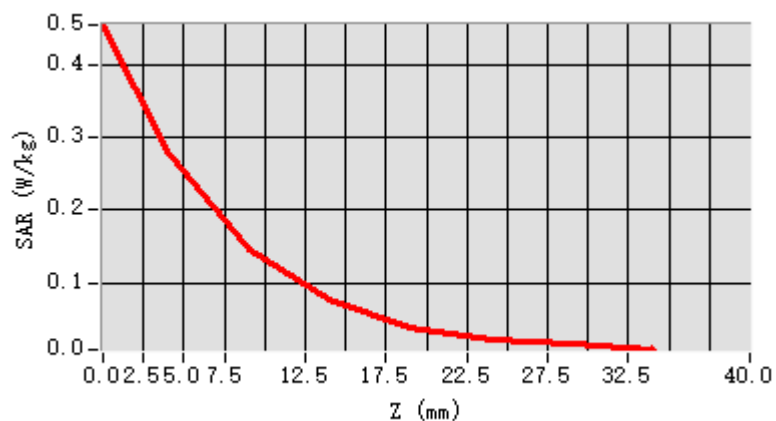
Maximum location: X=-5.00, Y=-24.00 ; SAR Peak: 0.46 W/kg

D. SAR 1g & 10g

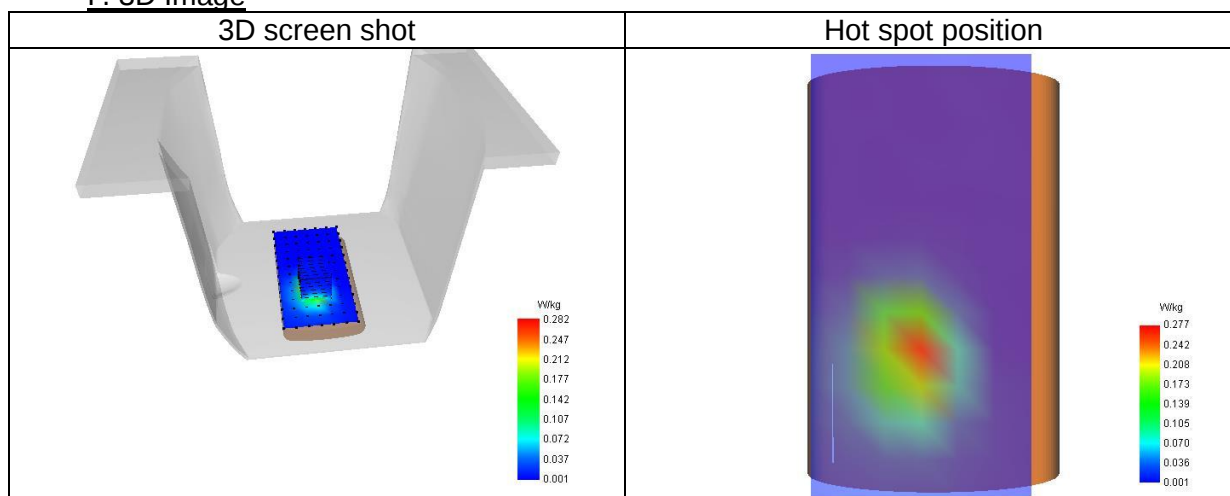
SAR 10g (W/Kg)	0.120
SAR 1g (W/Kg)	0.258
Variation (%)	0.59
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	51.82

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.454	0.282	0.146	0.079	0.039	0.023	0.016



F. 3D Image



14. Appendix D. Calibration Certificate

Table of contents
E Field Probe - 0725-EPGO-448
750 MHz Dipole - SN 03/15 DIP 0G750-355
835 MHz Dipole - SN 03/15 DIP 0G835-347
1800 MHz Dipole - SN 03/15 DIP 1G800-349
1900 MHz Dipole - SN 03/15 DIP 1G900-350
2450 MHz Dipole - SN 03/15 DIP 2G450-352
2600 MHz Dipole - SN 03/15 DIP 2G600-356
5000-6000 MHz Dipole - SN 13/14 WGA 33
Justification of the extended calibration

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**COMOSAR E-Field Probe Calibration Report**

Ref : ACR.108.1.25.BES.A

**SHENZHEN NTEK TESTING TECHNOLOGY
CO., LTD.**

**BUILDING E, FENDA SCIENCE PARK, SANWEI
COMMUNITY, XIXIANG STREET,
BAO'AN DISTRICT, SHENZHEN GUANGDONG, CHINA
MVG COMOSAR DOSIMETRIC E-FIELD PROBE
SERIAL NO.: 0725-EPGO-448**

Calibrated at MVG**Z.I. de la pointe du diable****Technopôle Brest Iroise – 295 avenue Alexis de Rochon****29280 PLOUZANE - FRANCE****Calibration date: 04/15/2025**

Accreditations #2-6789
Scope available on www.cofrac.fr

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Summary:

This document presents the method and results from an accredited COMOSAR Dosimetric E-Field Probe calibration performed at MVG, using the CALIPROBE test bench, for use with a MVG COMOSAR system only. The test results covered by accreditation are traceable to the International System of Units (SI).

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COMOSAR E-FIELD PROBE CALIBRATION REPORT

Ref: ACR.108.1.25.BES.A

	<i>Name</i>	<i>Function</i>	<i>Date</i>	<i>Signature</i>
<i>Prepared by :</i>	Pedro Ruiz	Technical Manager	4/18/2025	
<i>Checked & approved by:</i>	Pedro Ruiz	Technical Manager	4/18/2025	
<i>Authorized by:</i>	Kim Rutkowski	Quality Manager	4/23/2025	Signed by:  KIMBERLY ROTKOWSKI 2B9B8547AD1743*...

	<i>Customer Name</i>
<i>Distribution :</i>	SHENZHEN NTEK TESTING TECHNOLOGY CO., LTD.

<i>Issue</i>	<i>Name</i>	<i>Date</i>	<i>Modifications</i>
A	Pedro Ruiz	4/18/2025	Initial release

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COMOSAR E-FIELD PROBE CALIBRATION REPORT

Ref: ACR.108.1.25.BES.A

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COMOSAR E-FIELD PROBE CALIBRATION REPORT

Ref: ACR.108.1.25.BES.A

1 DEVICE UNDER TEST

Device Under Test	
Device Type	COMOSAR DOSIMETRIC E FIELD PROBE
Manufacturer	MVG
Model	SSE2
Serial Number	0725-EPGO-448
Product Condition (new / used)	New
Frequency Range of Probe	0.15 GHz-7.5GHz
Resistance of Three Dipoles at Connector	Dipole 1: R1=0.191 MΩ Dipole 2: R2=0.212 MΩ Dipole 3: R3=0.208 MΩ

2 PRODUCT DESCRIPTION**2.1 GENERAL INFORMATION**

MVG's COMOSAR E field Probes are built in accordance to the IEC/IEEE 62209-1528 and FCC KDB865664 D01 standards.



Figure 1 – MVG COMOSAR Dosimetric E field Probe

Probe Length	330 mm
Length of Individual Dipoles	2 mm
Maximum external diameter	8 mm
Probe Tip External Diameter	2.5 mm
Distance between dipoles / probe extremity	1 mm

3 MEASUREMENT METHOD

The IEC/IEEE 62209-1528 and FCC KDB865664 D01 standards provide recommended practices for the probe calibrations, including the performance characteristics of interest and methods by which to assess their effect. All calibrations / measurements performed meet the fore-mentioned standards.

3.1 SENSITIVITY

The sensitivity factors of the three dipoles were determined using a two step calibration method (air and tissue simulating liquid) using waveguides as outlined in the standards for frequency range 600-7500MHz and using the calorimeter cell method (transfer method) as outlined in the standards for frequency 150-450 MHz.

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COMOSAR E-FIELD PROBE CALIBRATION REPORT

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3.2 LINEARITY

The evaluation of the linearity was done in free space using the waveguide, performing a power sweep to cover the SAR range 0.01W/kg to 100W/kg.

3.3 ISOTROPY

The axial isotropy was evaluated by exposing the probe to a reference wave from a standard dipole with the dipole mounted under the flat phantom in the test configuration suggested for system validations and checks. The probe was rotated along its main axis from 0 to 360 degrees in 15-degree steps. The hemispherical isotropy is determined by inserting the probe in a thin plastic box filled with tissue-equivalent liquid, with the plastic box illuminated with the fields from a half wave dipole. The dipole is rotated about its axis (0°–180°) in 15° increments. At each step the probe is rotated about its axis (0°–360°).

3.4 BOUNDARY EFFECT

The boundary effect is defined as the deviation between the SAR measured data and the expected exponential decay in the liquid when the probe is oriented normal to the interface. To evaluate this effect, the liquid filled flat phantom is exposed to fields from either a reference dipole or waveguide. With the probe normal to the phantom surface, the peak spatial average SAR is measured and compared to the analytical value at the surface.

The boundary effect uncertainty can be estimated according to the following uncertainty approximation formula based on linear and exponential extrapolations between the surface and $d_{be} + d_{step}$ along lines that are approximately normal to the surface:

$$SAR_{uncertainty} [\%] = \frac{\Delta SAR_{be}}{SAR_{be}} \frac{(d_{be} + d_{step})^2}{2d_{step}} \frac{(e^{-d_{be}/\delta} - e^{-(d_{be} + d_{step})/\delta})}{\delta/2} \quad \text{for } (d_{be} + d_{step}) < 10 \text{ mm}$$

where

$SAR_{uncertainty}$	is the uncertainty in percent of the probe boundary effect
d_{be}	is the distance between the surface and the closest <i>zoom-scan</i> measurement point, in millimetre
Δ_{step}	is the separation distance between the first and second measurement points that are closest to the phantom surface, in millimetre, assuming the boundary effect at the second location is negligible
δ	is the minimum penetration depth in millimetres of the head tissue-equivalent liquids defined in this standard, i.e., $\delta \approx 14$ mm at 3 GHz;
ΔSAR_{be}	in percent of SAR is the deviation between the measured SAR value, at the distance d_{be} from the boundary, and the analytical SAR value.

The measured worst case boundary effect $SAR_{uncertainty}[\%]$ for scanning distances larger than 4mm is 1.0% Limit, 2%).

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COMOSAR E-FIELD PROBE CALIBRATION REPORT

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3.5 PROBE MODULATION RESPONSE

MVG's probe were evaluated experimentally with various modulated signal and the deviation from CW response were found neglectable in the used power range of the probe. So the correction to taking into account the linearization parameters for different modulation is null, therefore the CW factor given in this report can be used whatever the measured modulation

4 MEASUREMENT UNCERTAINTY

The guidelines outlined in the IEC/IEEE 62209-1528 and FCC KDB865664 D01 standards were followed to generate the measurement uncertainty associated with a SAR probe calibration using the waveguide or calorimetric cell technique depending on the frequency.

The estimated expanded uncertainty (k=2) in calibration for SAR (W/kg) is +/-11% for the frequency range 150-450MHz.

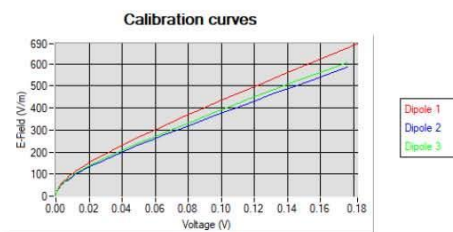
The estimated expanded uncertainty (k=2) in calibration for SAR (W/kg) is +/-14% for the frequency range 600-7500MHz.

5 CALIBRATION RESULTS

Ambient condition	
Liquid Temperature	20 +/- 1 °C
Lab Temperature	20 +/- 1 °C
Lab Humidity	30-70 %

5.1 CALIBRATION IN AIR

The following curve represents the measurement in waveguide of the voltage picked up by the probe toward the E-field generated inside the waveguide.



From this curve, the sensitivity in air is calculated using the below formula.

$$E^2 = \sum_{i=1}^3 \frac{V_i (1 + V_i / DCP_i)}{Norm_i}$$

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