

FCC SAR EVALUATION REPORT

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

Product Name: TABLET

Model No.: T60

Serial Model: N/A

Brand Name: N/A

Report No.: AiTSZ-260409049FW7

FCC ID: 2BU85-T60

Prepared for

JIAHANG TECHNOLOGY (HONG KONG) CO.,LIMITED

19H MAXGRAND PLAZA 3 TAI YAU STREET SAN PO KONG KL ,HONG KONG, China

Prepared by

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TEST RESULT CERTIFICATION

Applicant's name: **JIAHANG TECHNOLOGY (HONG KONG) CO.,LIMITED**
Address: 19H MAXGRAND PLAZA 3 TAI YAU STREET SAN PO KONG
KL ,HONG KONG, China
Manufacturer's Name: **LUZHENG TECHNOLOGY HONGKONG LIMITED**
Address: ROOM A08, 2/F LEE KA INDUSTRIAL BUILDING 8 NG FONG
STREET SAN PO KONG HK

Product description

Product name: TABLET
Trademark: N/A
Model and/or type reference ..: T60
Serial 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 Guangdong Asia Hongke Test Technology Limited. 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: AiTSZ-260409049-1

Date of Test

Date (s) of performance of tests: Apr. 09, 2026 ~ Apr. 16, 2026

Date of Issue.....: Apr. 23, 2026

Test Result: **Pass**

Reviewed by: _____

Ken Zou

Ken Zou

Approved by: _____

Jack Li

Jack Li



※ ※ Revision History ※ ※

REV.	DESCRIPTION	ISSUED DATE	REMARK
Rev.1.0	Initial Test Report Release	Apr. 23, 2026	Jack Li

TABLE OF CONTENTS

1. General Information	6
1.1. RF exposure limits	6
1.2. Statement of Compliance	7
1.3. EUT Description	8
1.4. Test specification(s)	10
1.5. Ambient Condition	10
1.6. Test Facility	10
2. SAR Measurement System	11
2.1. SATIMO SAR Measurement Set-up Diagram	11
2.2. Robot	12
2.3. Probe	13
2.3.1. E-Field Probe Calibration	13
2.4. Phantoms	14
2.5. Technical Data	15
2.6. Device Holder	16
2.7. Test Equipment List	17
3. SAR Measurement Procedures	21
3.1. Power Reference	21
3.2. Area scan & Zoom scan	21
3.3. Description of interpolation/extrapolation scheme	23
3.4. Volumetric Scan	23
3.5. Power Drift	23
4. System Verification Procedure	24
4.1. Tissue Verification	24
4.1.1. Tissue Dielectric Parameter Check Results	25
4.2. System Verification Procedure	28
4.2.1. System Verification Results	29
5. SAR measurement variability	30
6. SAR Measurement Uncertainty	31
7. RF Exposure Positions	32
7.1. Tablet PC host platform exposure conditions	32
8. RF Output Power	33
8.1. GSM Conducted Power	33
8.2. WCDMA Conducted Power	34
8.3. LTE Conducted Power	37
8.4. Wi-Fi & BT Output Power	48
9. Antenna Location	50
10. Stand-alone SAR test exclusion	55
11. SAR Measurement Results	56
12. Simultaneous Transmission Analysis	61



Appendix A. Photo documentation	63
Appendix B. System Check Plots	64
Appendix C. SAR Test Plots.....	79
Appendix D. Calibration Certificate	108

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
TRUNK LIMIT
1.6 W/kg
APPLIED TO THIS EUT

1.2. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing as follows.

Band	Max SAR Value Reported(W/kg)	
	1-g Body (Separation distance of 0mm)	Max SAR Summation
GSM850	0.231	Body&Hotspot: 1.260
GSM1900	0.352	
WCDMA Band II	0.388	
WCDMA Band IV	0.631	
WCDMA Band V	0.233	
LTE band 2	0.679	
LTE band 4	0.671	
LTE band 5	0.410	
LTE band 7	0.603	
LTE band 26	0.223	
LTE band 41	0.645	
2.4GHz WLAN	0.279	
5.2GHz WLAN	0.581	
5.8GHz WLAN	0.523	

NOTE: The Max SAR Summation 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.

This product supports Voice but does not have a handset.

The EUT has one SIM card slot.

1.3. EUT Description

Device Information			
Product Name	TABLET		
Model Name	T60		
Family Model	N/A		
Device Phase	Identical Prototype		
Exposure Category	General population / Uncontrolled environment		
Antenna Type	FPC Antenna		
Power Supply	DC 3.85V, 10000mAh from battery or DC 9V from adapter		
Adapter information	Manufacturer: Shenzhen Tianyin Electronics Co, Ltd. Model: TPA-418S120150PU01 Input: 100-240V~50/60Hz 0.6A Output: 3.6-6.0V 3.0A 18.0W Max 6.0-9.0V 2.0A 18.0W Max 9.0-12.0V 1.5A 18.0W Max		
Hardware version	T30-T620-V2.0		
Software version	5091		
Device Operating Configurations			
Supporting Mode(s)	GSM 850/1900, WCDMA Band 2/4/5, FDD-LTE: Band 2/4/5/7/26b, TDD-LTE: Band 41, WLAN 2.4G/5G, Bluetooth		
Test Modulation	GSM(GMSK/8PSK), WCDMA(QPSK), LTE(QPSK/16-QAM), 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 26	824-849	869-894
	LTE Band 41	2555-2655	
	WLAN 2.4G	2412-2462	
	WLAN 5.2G	5180-5240	
	WLAN 5.8G	5745-5825	
	Bluetooth	2402-2480	

GPRS Multislot Class(12)	Max Number of Timeslots in Uplink	4
	Max Number of Timeslots in Downlink	4
	Max Total Timeslot	5
EGPRS Multislot Class(12)	Max Number of Timeslots in Uplink	4
	Max Number of Timeslots in Downlink	4
	Max Total Timeslot	5
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 26)	
	3, tested with power control all Max.(LTE Band 41)	

Power setting during the test:

During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Power Parameters:

Test Software Version	Engineering Mode		
Frequency	2412/2422MHz	2437MHz	2452/2462MHz
802.11b	Default	Default	Default
802.11g	Default	Default	Default
802.11n(HT20)	Default	Default	Default
802.11n(HT40)	Default	Default	Default

Test Software Version	Engineering Mode(*##83781##*)		
Test Frequency	Lowest	Middle	Highest
UNII Band 1	Default	Default	Default
UNII Band 3	Default	Default	Default

Test Software Version	Engineering Mode		
Frequency	2402MHz	2441MHz	2480MHz
BR/EDR	Default	Default	Default

Test Software Version	Engineering Mode		
Frequency	2402MHz	2440MHz	2480MHz
BLE	default	default	default

1.4. Test specification(s)

FCC 47 CFR Part 2(2.1093)
IEEE Std 1528-2013
KDB 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04
KDB 865664 D02 RF Exposure Reporting v01r02
KDB 447498 D01 General RF Exposure Guidance v06
KDB 248227 D01 802.11 Wi-Fi SAR v02r02
KDB 941225 D01 3G SAR Procedures v03r01
KDB 941225 D05 SAR for LTE Devices v02r05
KDB 616217 D04 SAR for laptop and tablets v01r02

1.5. Ambient Condition

Ambient temperature	20°C – 24°C
Relative Humidity	30% – 70%

1.6. Test Facility

Test Laboratory:

Guangdong Asia Hongke Test Technology Limited

B1/F, Building 11, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

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

FCC-Registration No.: 251906 Designation Number: CN1376

Guangdong Asia Hongke Test Technology Limited has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

IC —Registration No.: 31737 CAB identifier: CN0165

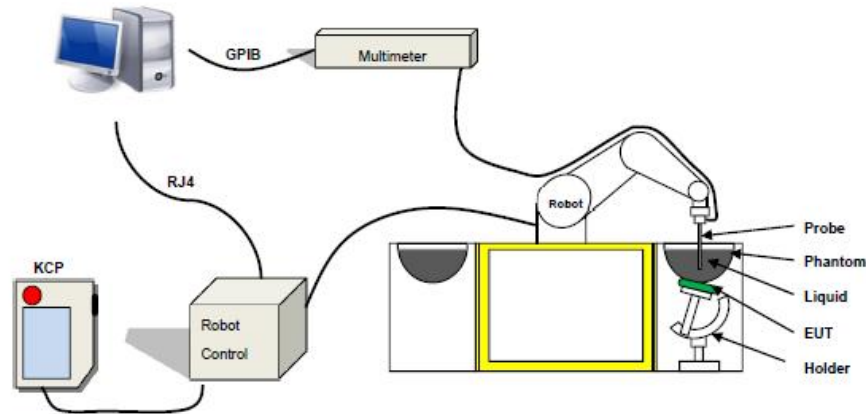
The 3m Semi-anechoic chamber of Guangdong Asia Hongke Test Technology Limited has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 31737

A2LA-Lab Cert. No.: 7133.01

Guangdong Asia Hongke Test Technology Limited has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

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. 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 EPGO 0523-403 with following specifications is used.



- Probe Length: 330 mm
- Length of Individual Dipoles: 2 mm
- Maximum external diameter: 8 mm
- Probe Tip External Diameter: 2.5 mm
- Distance between dipole/probe extremity: 1 mm
- Dynamic range: 0.01-100 W/kg
- Probe linearity: 3%
- Axial Isotropy: < 0.10 dB
- Spherical Isotropy: < 0.10 dB
- Calibration range: 150 MHz to 6 GHz for head & body simulating liquid.
- 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 $\pm 0.25\text{dB}$. 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. Phantoms

For the measurements the Elliptical defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. The Elliptical phantom has elliptic shape. The Elliptical phantom provide one reference point on its top part to position the probe tip correctly. The phantom set-up includes a cover, which prevents the evaporation of the liquid.



Elliptical

2.5. Technical Data

Overall thickness	2±0.2mm
Internal Dimensions (Bottom part)	600 mm (L) x 400 mm (W) 170 mm (H)
External Dimensions	1000 mm (L) x 500 mm (W) x 280 mm (H)
Maximum volume	35 L
Material	Fiberglass based
Relative permittivity	3.4
Loss tangent	0.02

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

2.6. Device Holder



The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface.

Material properties: the positioning system is made of PETP. This material offers a low permittivity of 3.2 and low loss, with a loss tangent of 0.005 to minimize the influence of the DUT on measurement results.

Mechanical properties: 2 rows of rail to cover easily the surface of the phantom. The fixing plate is perfectly adapted to larger devices, such as a PC which can be positioned in all configurations.

Accuracy and precision: graduated scale available on each axis. The DUT is fixed with a specific adaptable grip.

2.7. 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	0523-EPGO-403	Mar. 03, 2026	Mar. 02, 2027
☐	MVG	750 MHz Dipole	SID750	SN 2614-DIP0G750-325	Mar. 31, 2026	Mar. 30, 2029
☒	MVG	900 MHz Dipole	SID900	SN 1811-DIP0G900-151	Mar. 31, 2026	Mar. 30, 2029
☒	MVG	1800 MHz Dipole	SID1800	1811-DIP1G800-152	Mar. 31, 2026	Mar. 30, 2029
☒	MVG	1900 MHz Dipole	SID1900	1811-DIP1G900-153	Mar. 31, 2026	Mar. 30, 2029
☐	MVG	2000 MHz Dipole	SID2000	SN 1811-DIP2G000-154	Mar. 31, 2026	Mar. 30, 2029
☐	MVG	2300 MHz Dipole	SID2300	SN 1811-DIP2G300-157	Mar. 31, 2026	Mar. 30, 2029
☒	MVG	2450 MHz Dipole	SID2450	SN 1811-DIP2G450-155	Mar. 31, 2026	Mar. 30, 2029
☒	MVG	2600 MHz Dipole	SID2600	SN 2614-DIP2G600-326	Mar. 31, 2026	Mar. 30, 2029
☐	MVG	3500 MHz Dipole	SWG3500	SN 1811-DIP3G500-156	Apr. 01, 2026	Mar. 31, 2029
☒	MVG	5000 MHz Dipole	SWG5500	SN 2923-DIP5G000-730	Apr. 01, 2026	Mar. 31, 2029
☒	MVG	Liquid measurement Kit	SCLMP	SN 21/15 OCPG 72	Jul. 02, 2023	Jul. 01, 2024
					Jul. 01, 2024	Jun. 30, 2025
					Jun. 30, 2025	Jun. 29, 2026
☒	MVG	Power Amplifier	N.A	AMPLISAR_28/14_003	NCR	NCR
☒	KEITHLEY	Millivoltmeter	2000	4072790	Jul. 02, 2023	Jul. 01, 2024
					Jul. 01, 2024	Jun. 30, 2025
					Jun. 30, 2025	Jun. 29, 2026

					2025	2026
☒	R&S	Wideband radio communication tester	CMW500	116581	Jul. 02, 2023	Jul. 01, 2024
					Jul. 01, 2024	Jun. 30, 2025
					Jun. 30, 2025	Jun. 29, 2026
☒	HP	Network Analyzer	8753D	3410J01136	Jul. 02, 2023	Jul. 01, 2024
					Jul. 01, 2024	Jun. 30, 2025
					Jun. 30, 2025	Jun. 29, 2026
☒	HP	Network Analyzer - calibration kit	N.A	3400J01116 3401J01110	Jul. 02, 2023	Jul. 01, 2024
					Jul. 01, 2024	Jun. 30, 2025
					Jun. 30, 2025	Jun. 29, 2026
☒	Agilent	PSG Analog Signal Generator	E8257D	MY51110112	Jul. 02, 2023	Jul. 01, 2024
					Jul. 01, 2024	Jun. 30, 2025
					Jun. 30, 2025	Jun. 29, 2026
☒	Agilent	Power meter	E4419B	MY45102538	Jul. 02, 2023	Jul. 01, 2024
					Jul. 01, 2024	Jun. 30, 2025
					Jun. 30, 2025	Jun. 29, 2026
☒	Agilent	Power meter	E4419B	MY45102140	Jul. 02, 2023	Jul. 01, 2024
					Jul. 01, 2024	Jun. 30, 2025
					Jun. 30, 2025	Jun. 29, 2026
☒	Agilent	Power meter	E4419B	MY45102215	Jul. 02, 2023	Jul. 01, 2024
					Jul. 01, 2024	Jun. 30, 2025

					2024	2025
					Jun. 30, 2025	Jun. 29, 2026
☒	JFW	attenuator	50FPE-006	4360846-494-4	Jul. 02, 2023	Jul. 01, 2024
					Jul. 01, 2024	Jun. 30, 2025
					Jun. 30, 2025	Jun. 29, 2026
☒	JFW	attenuator	50FPE-006	4360846-492-1	Jul. 02, 2023	Jul. 01, 2024
					Jul. 01, 2024	Jun. 30, 2025
					Jun. 30, 2025	Jun. 29, 2026
☒	JFW	attenuator	50FPE-006	4360846-490-6	Jul. 02, 2023	Jul. 01, 2024
					Jul. 01, 2024	Jun. 30, 2025
					Jun. 30, 2025	Jun. 29, 2026
☒	Agilent	Power sensor	E9301A	MY41495644	Jul. 02, 2023	Jul. 01, 2024
					Jul. 01, 2024	Jun. 30, 2025
					Jun. 30, 2025	Jun. 29, 2026
☒	Agilent	Power sensor	E9301A	US39212148	Jul. 02, 2023	Jul. 01, 2024
					Jul. 01, 2024	Jun. 30, 2025
					Jun. 30, 2025	Jun. 29, 2026
☒	MCLI/USA	Directional Coupler	CB11-20	0D2L51502	Jul. 18, 2021	Jul. 17, 2024
					Jul. 17, 2024	Jul. 16, 2027
☒	N/A	Thermometer	N/A	LES-085	Sep. 23, 2024	Sep. 22, 2027
☒	MVG	Elliptical Phantom	SSM2	SN 20/11 ELLI20	NCR	NCR



☒	MVG	Device Holder	SMPPD	SN 24/11 LSH15	NCR	NCR
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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 parameters extracted from FCC KDB 865664 D01 SAR measurement 100 MHz to 6 GHz.

			$\leq 3\text{ GHz}$	$> 3\text{ GHz}$
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			$5 \pm 1\text{ mm}$	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5\text{ mm}$
Maximum probe angle from probe axis to phantom surface normal at the measurement location			$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan spatial resolution: $\Delta x_{\text{Area}}, \Delta y_{\text{Area}}$			$\leq 2\text{ GHz}: \leq 15\text{ mm}$ $2 - 3\text{ GHz}: \leq 12\text{ mm}$	$3 - 4\text{ GHz}: \leq 12\text{ mm}$ $4 - 6\text{ GHz}: \leq 10\text{ mm}$
			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 $\leq$ 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: $\Delta x_{\text{Zoom}}, \Delta y_{\text{Zoom}}$			$\leq 2\text{ GHz}: \leq 8\text{ mm}$ $2 - 3\text{ GHz}: \leq 5\text{ mm}^*$	$3 - 4\text{ GHz}: \leq 5\text{ mm}^*$ $4 - 6\text{ GHz}: \leq 4\text{ mm}^*$
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{\text{Zoom}}(n)$		$\leq 5\text{ mm}$	$3 - 4\text{ GHz}: \leq 4\text{ mm}$ $4 - 5\text{ GHz}: \leq 3\text{ mm}$ $5 - 6\text{ GHz}: \leq 2\text{ mm}$
	graded grid	$\Delta z_{\text{Zoom}}(1)$: between 1 st two points closest to phantom surface	$\leq 4\text{ mm}$	$3 - 4\text{ GHz}: \leq 3\text{ mm}$ $4 - 5\text{ GHz}: \leq 2.5\text{ mm}$ $5 - 6\text{ GHz}: \leq 2\text{ mm}$
		$\Delta z_{\text{Zoom}}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{\text{Zoom}}(n-1)$	
Minimum zoom scan volume	x, y, z		$\geq 30\text{ mm}$	$3 - 4\text{ GHz}: \geq 28\text{ mm}$ $4 - 5\text{ GHz}: \geq 25\text{ mm}$ $5 - 6\text{ GHz}: \geq 22\text{ mm}$
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 <u>reported</u> SAR from the <i>area scan based 1-g SAR estimation</i> procedures of KDB 447498 is $\leq 1.4\text{ W/kg}$, $\leq 8\text{ mm}$, $\leq 7\text{ mm}$ and $\leq 5\text{ mm}$ 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 these 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 of 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 scans 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 installed 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)	750	835	900	1800	1900	2000	2450	2600	5200	5800
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.



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 of the dielectric parameter 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		Liquid Temp.	Test Date
		$\epsilon_r (\pm 5\%)$	σ (S/m) ($\pm 5\%$)	ϵ_r	σ (S/m)		
Head 900	822.5	41.56 (39.48~43.64)	0.90 (0.85~0.94)	41.40	0.88	21.2 °C	Apr. 09, 2026
Head 900	824.2	41.55 (39.47~43.63)	0.90 (0.85~0.94)	41.16	0.87	21.2 °C	Apr. 09, 2026
Head 900	826.4	41.54 (39.46~43.62)	0.90 (0.85~0.94)	41.17	0.87	21.2 °C	Apr. 09, 2026
Head 900	829	41.53 (39.45~43.60)	0.90 (0.85~0.94)	41.09	0.88	21.2 °C	Apr. 09, 2026
Head 900	831.5	41.52 (39.44~43.59)	0.90 (0.85~0.94)	41.53	0.90	21.2 °C	Apr. 09, 2026
Head 900	836.4	41.50 (39.43~43.58)	0.90 (0.85~0.94)	41.50	0.90	21.2 °C	Apr. 09, 2026
Head 900	836.5	41.50 (39.43~43.58)	0.90 (0.85~0.94)	41.50	0.90	21.2 °C	Apr. 09, 2026
Head 900	841.5	41.50 (39.43~43.58)	0.91 (0.86~0.95)	41.23	0.90	21.2 °C	Apr. 09, 2026
Head 900	844	41.50 (39.43~43.58)	0.91 (0.86~0.95)	40.87	0.90	21.2 °C	Apr. 09, 2026
Head 900	846.6	41.50 (39.43~43.58)	0.91 (0.86~0.95)	40.83	0.90	21.2 °C	Apr. 09, 2026
Head 900	848.8	41.50 (39.43~43.58)	0.91 (0.86~0.95)	40.80	0.90	21.2 °C	Apr. 09, 2026
Head 900	900	41.50 (39.43~43.58)	0.97 (0.92~1.02)	40.94	0.96	21.2 °C	Apr. 09, 2026
Head 1800	1712.4	40.13 (38.12~42.13)	1.35 (1.28~1.42)	39.67	1.30	21.5 °C	Apr. 10, 2026
Head 1800	1720	40.11 (38.11~42.12)	1.35 (1.29~1.42)	39.64	1.31	21.5 °C	Apr. 10, 2026
Head 1800	1732.5	40.10 (38.09~42.10)	1.36 (1.29~1.43)	40.12	1.36	21.5 °C	Apr. 10, 2026
Head 1800	1732.6	40.10 (38.09~42.10)	1.36 (1.29~1.43)	40.12	1.36	21.5 °C	Apr. 10, 2026

Head 1800	1745	40.08 (38.07~42.08)	1.37 (1.30~1.44)	40.11	1.37	21.5 °C	Apr. 10, 2026
Head 1800	1752.6	40.07 (38.06~42.07)	1.37 (1.30~1.44)	39.35	1.34	21.5 °C	Apr. 10, 2026
Head 1800	1800	40.00 (38.00~42.00)	1.40 (1.33~1.47)	41.52	1.40	21.5 °C	Apr. 10, 2026
Head 1900	1850.2	40.00 (38.00~42.00)	1.40 (1.33~1.47)	39.00	1.41	21.7 °C	Apr. 13, 2026
Head 1900	1852.4	40.00 (38.00~42.00)	1.40 (1.33~1.47)	38.97	1.41	21.7 °C	Apr. 13, 2026
Head 1900	1860	40.00 (38.00~42.00)	1.40 (1.33~1.47)	38.94	1.41	21.7 °C	Apr. 13, 2026
Head 1900	1880	40.00 (38.00~42.00)	1.40 (1.33~1.47)	40.00	1.40	21.7 °C	Apr. 13, 2026
Head 1900	1900	40.00 (38.00~42.00)	1.40 (1.33~1.47)	41.27	1.34	21.7 °C	Apr. 13, 2026
Head 1900	1907.6	40.00 (38.00~42.00)	1.40 (1.33~1.47)	38.73	1.43	21.7 °C	Apr. 13, 2026
Head 1900	1909.8	40.00 (38.00~42.00)	1.40 (1.33~1.47)	38.72	1.44	21.7 °C	Apr. 13, 2026
Head 2450	2412	39.27 (37.30~41.23)	1.77 (1.68~1.85)	39.23	1.77	21.3 °C	Apr. 14, 2026
Head 2450	2437	39.22 (37.26~41.18)	1.79 (1.70~1.88)	39.21	1.79	21.3 °C	Apr. 14, 2026
Head 2450	2450	39.20 (37.24~41.16)	1.80 (1.71~1.89)	41.04	1.80	21.3 °C	Apr. 14, 2026
Head 2450	2462	39.18 (37.22~41.14)	1.81 (1.72~1.90)	39.21	1.81	21.3 °C	Apr. 14, 2026
Head 2600	2510	39.12 (37.16~41.08)	1.86 (1.77~1.95)	39.12	1.87	21.8 °C	Apr. 12, 2026
Head 2600	2535	39.09 (37.13~41.04)	1.89 (1.80~1.99)	39.09	1.89	21.8 °C	Apr. 12, 2026
Head 2600	2560	39.05 (37.10~41.01)	1.92 (1.82~2.01)	39.08	1.92	21.8 °C	Apr. 12, 2026
Head 2600	2565	39.05 (37.09~41.00)	1.92 (1.83~2.02)	39.06	1.93	21.8 °C	Apr. 12, 2026
Head 2600	2600	39.01 (37.06~40.96)	1.96 (1.86~2.06)	39.00	1.96	21.8 °C	Apr. 12, 2026
Head 2600	2605	38.99 (37.04~40.94)	1.97 (1.87~2.06)	39.01	1.96	21.8 °C	Apr. 12, 2026

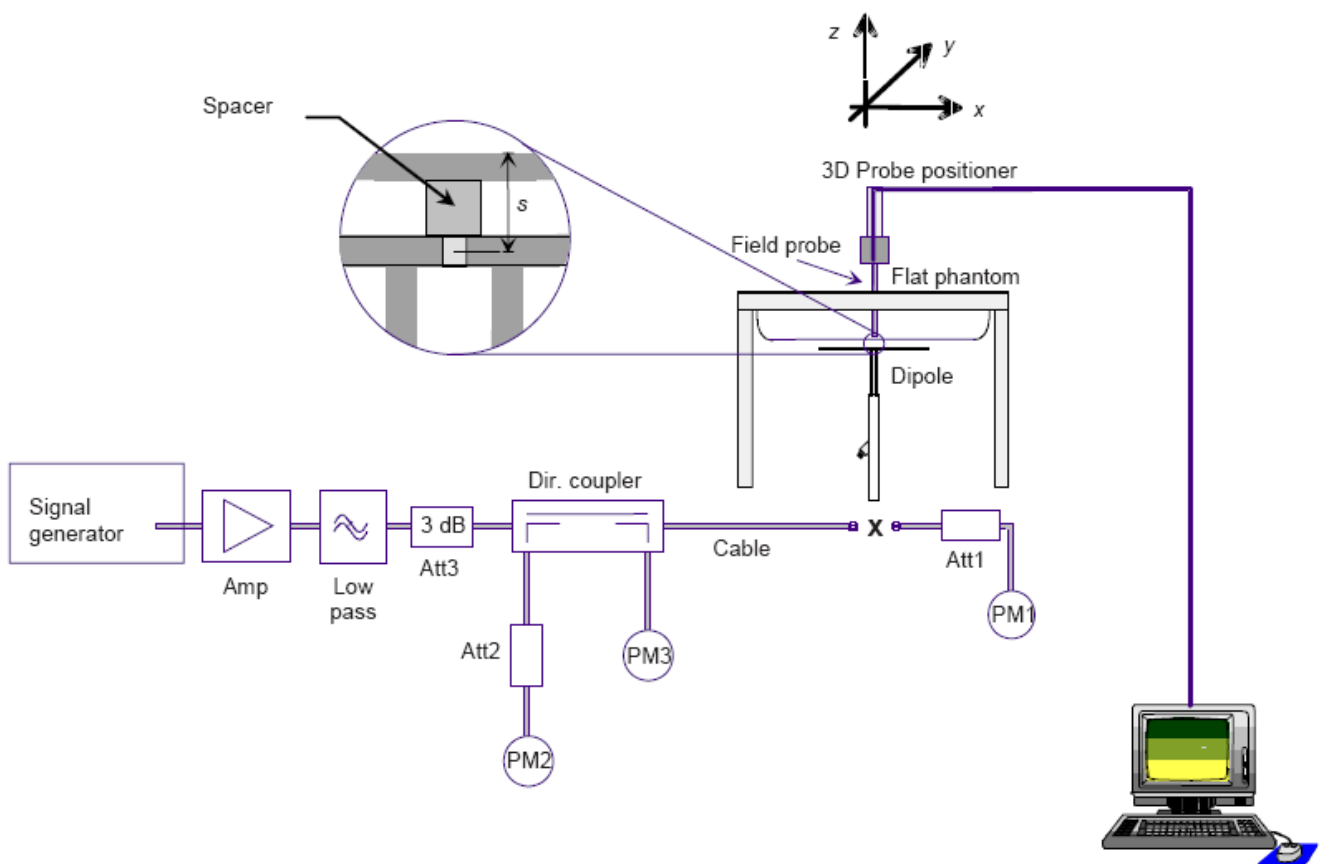
Head 2600	2645	38.94 (37.00~40.89)	2.01 (1.91~2.11)	38.98	1.96	21.8 °C	Apr. 12, 2026
Head 5200	5190	36.01 (34.21~37.81)	4.65 (4.42~4.88)	36.00	4.65	21.8 °C	Apr. 12, 2026
Head 5200	5200	36.00 (34.20~37.80)	4.66 (4.43~4.89)	36.00	4.66	21.0 °C	Apr. 15, 2026
Head 5200	5230	35.97 (34.17~37.77)	4.69 (4.46~4.92)	35.99	4.67	21.0 °C	Apr. 15, 2026
Head 5800	5755	35.35 (33.58~37.11)	5.23 (4.96~5.49)	35.32	5.23	21.9 °C	Apr. 16, 2026
Head 5800	5795	35.31 (33.54~37.07)	5.27 (5.00~5.53)	35.31	5.25	21.9 °C	Apr. 16, 2026
Head 5800	5800	35.30 (33.54~37.07)	5.27 (5.01~5.53)	35.30	5.27	21.9 °C	Apr. 16, 2026

NOTE: 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.

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. It is fed with a power of 100mW (below 5GHz) or 50mW (above 5GHz). 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	Power fed to reference dipole (mW)	Measured SAR Value		Measured SAR (Normalized to 1W)		Target SAR Value (1W)		Deviation (%)		Test Date
		1-g (W/Kg)	10-g (W/Kg)	1-g (W/Kg)	10-g (W/Kg)	1-g (W/Kg)	10-g (W/Kg)	1-g (W/Kg)	10-g (W/Kg)	
900MHz	100	1.011	0.642	10.11	6.42	10.76	6.96	-6.04%	-7.76%	Apr. 09, 2026
1800MHz	100	3.832	2.025	38.32	20.25	38.19	20.03	0.34%	1.10%	Apr. 10, 2026
1900MHz	100	4.154	2.153	41.54	21.53	41.96	21.63	-1.00%	-0.46%	Apr. 13, 2026
2450MHz	100	5.184	2.359	51.84	23.59	53.17	24.48	-2.50%	-3.64%	Apr. 14, 2026
2600MHz	100	5.433	2.523	54.33	25.23	56.99	25.63	-4.67%	-1.56%	Apr. 12, 2026
5200MHz	50	3.678	1.203	73.56	24.06	77.82	22.53	-5.47%	6.79%	Apr. 15, 2026
5800MHz	50	4.106	1.206	82.11	24.12	78.72	22.83	4.31%	5.65%	Apr. 16, 2026

5. 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 ($\sim 10\%$ 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 .

6. 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.

7. RF Exposure Positions

7.1. Tablet PC host platform exposure conditions

Refer to KDB616217 D04, when the modular approach is used, transmitters and modules must be initially tested for standalone operations in generic host conditions according to the following minimum test separation distance and antenna installation requirements for incorporation in the tablet platform. The separation distance required for incorporation in qualified hosts is described in KDB 447498; item 5) of section 4.1 and item 1) of section 5.2.2 etc.

- ≤ 5 mm between the antenna and user for both back surface and edge exposure conditions
- the antennas used by the host must have been tested for equipment approval or qualify for SAR test exclusion
- the antenna polarization, physical orientation, rotation and installation configurations used by the host must have been tested for compliance or qualify for test exclusion
- when the *SAR Test Exclusion Threshold* in KDB 447498 applies, a *test separation distance* of 5 mm is required to determine test exclusion for the tablet platform

The antennas embedded in tablets are typically ≤ 5 mm from the outer housing. The required antenna to user test separation distance is a “not to exceed test” distance required to apply the modular approach. Instead of the typical zero gap tablet edge test requirement between the edge of a tablet and the user, when an antenna has been tested at ≤ 5 mm according to the modular approach it can be incorporated into tablets with at least twice the tested distance from the outer housing of the tablet edge; otherwise, the tablet edge zero gap test requirement applies. When the dedicated host approach is applied, the back surface and edges of the tablet should be tested for SAR compliance with the tablet touching the phantom.

8. RF Output Power

8.1. GSM Conducted Power

Band GSM850	Burst-Averaged output Power (dBm)				Factor	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)	33.00	32.78	32.30	32.73	-9.03	23.97	23.75	23.27	23.70
GPRS(GMSK,1 Tx slot)	32.50	31.03	32.42	32.40	-9.03	23.47	22.00	23.39	23.37
GPRS(GMSK,2 Tx slot)	32.00	31.59	31.68	31.61	-6.02	25.98	25.57	25.66	25.59
GPRS(GMSK,3 Tx slot)	30.00	29.76	29.88	29.94	-4.26	25.74	25.50	25.62	25.68
GPRS(GMSK,4 Tx slot)	28.00	27.56	27.77	27.92	-3.01	24.99	24.55	24.76	24.91
EGPRS(8PSK,1 Tx slot)	26.50	26.26	26.49	26.39	-9.03	17.47	17.23	17.46	17.36
EGPRS(8PSK,2 Tx slot)	26.00	25.21	25.58	25.20	-6.02	19.98	19.19	19.56	19.18
EGPRS(8PSK,3 Tx slot)	23.50	23.13	23.13	23.49	-4.26	19.24	18.87	18.87	19.23
EGPRS(8PSK,4 Tx slot)	23.00	22.91	21.02	21.68	-3.01	19.99	19.90	18.01	18.67

Band GSM1900	Burst-Averaged output Power (dBm)				Factor	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	29.03	29.03	28.78	-9.03	20.47	20.00	20.00	19.75
GPRS(GMSK,1 Tx slot)	29.00	28.74	28.95	28.60	-9.03	19.97	19.71	19.92	19.57
GPRS(GMSK,2 Tx slot)	28.50	28.15	28.30	28.07	-6.02	22.48	22.13	22.28	22.05
GPRS(GMSK,3 Tx slot)	26.50	25.83	26.08	26.16	-4.26	22.24	21.57	21.82	21.90
GPRS(GMSK,4 Tx slot)	25.50	24.72	25.02	25.13	-3.01	22.49	21.71	22.01	22.12
EGPRS(8PSK,1 Tx slot)	24.50	24.24	24.20	23.96	-9.03	15.47	15.21	15.17	14.93
EGPRS(8PSK,2 Tx slot)	23.50	23.22	23.08	22.72	-6.02	17.48	17.20	17.06	16.70
EGPRS(8PSK,3 Tx slot)	21.50	20.92	21.06	20.68	-4.26	17.24	16.66	16.80	16.42
EGPRS(8PSK,4 Tx slot)	20.00	19.75	19.59	19.29	-3.01	16.99	16.74	16.58	16.28

Note:

Remark: GPRS, CS4 coding scheme. EGPRS, MCS5 coding scheme.

Multi-Slot Class 8, Support Max 4 downlink, 1 uplink, 5 working link

Multi-Slot Class 10, Support Max 4 downlink, 2 uplink, 5 working link

Multi-Slot Class 12, Support Max 4 downlink, 4 uplink, 5 working link

SAR testing was performed on the maximum frame-averaged power mode.

The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum

Burst-averaged power based on time slots. The calculated method is shown as below:

Frame-averaged power = Burst averaged power (1 TX Slot) – 9.03 dB

Frame-averaged power = Burst averaged power (2 TX Slots) – 6.02 dB

Frame-averaged power = Burst averaged power (3 TX Slots) - 4.26 dB

Frame-averaged power = Burst averaged power (4 TX Slots) – 3.01 dB

8.2. WCDMA Conducted Power

The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification. A summary of these settings are illustrated below:

1. Release99 Setup Configuration

Mode	Subtest	Rel99
WCDMA General Settings	Loopback Mode	Test Mode 1
	Rel99 RMC	12.2kbps RMC
	Power Control Algorithm	Algorithm1
	β_c/β_d	8/15

2. HSDPA Setup Configuration

	Mode	HSDPA	HSDPA	HSDPA	HSDPA
	Subtest	1	2	3	4
WCDMA General Settings	Loopback Mode	Test Mode 1			
	Rel99 RMC	12.2kbps RMC			
	HSDPA FRC	H-Set1			
	Power Control Algorithm	Algorithm 1			
	β_c	2/15	12/15	15/15	15/15
	β_d	15/15	15/15	8/15	4/15
	Bd (SF)	64			
	β_c/β_d	2/15	12/15	15/8	15/4
	β_{hs}	4/15	24/15	30/15	30/15
HSDPA Specific Settings	D_{ACK}	8			
	D_{NAK}	8			
	DCQI	8			
	Ack-Nack repetition factor	3			
	CQI Feedback (Table 5.2B.4)	4ms			
	CQI Repetition Factor (Table 5.2B.4)	2			
	$A_{hs} = \beta_{hs}/\beta_c$	30/15			

3. HSUPA Setup Configuration

	Mode	HSUPA	HSUPA	HSUPA	HSUPA	HSUPA
	Subtest	1	2	3	4	5
WCDMA General Settings	Loopback Mode	Test Mode 1				
	Rel99 RMC	12.2kbps RMC				
	HSDPA FRC	H-Set1				
	HSUPA Test	HSUPA Loopback				
	Power Control Algorithm	Algorithm1				
	β_c	11/15	6/15	15/15	2/15	15/15
	β_d	15/15	15/15	9/15	15/15	15/15
	β_{ec}	209/225	12/15	30/15	2/15	24/15
	β_c/β_d	11/15	6/15	15/9	2/15	15/15
	β_{hs}	22/15	12/15	30/15	4/15	30/15
	β_{ed}	1309/225	94/75	47/15 47/15	56/75	134/15
	CM (dB)	1.0	3.0	2.0	3.0	1.0
HSDPA Specific Settings	D_{ACK}	8				
	D_{NAK}	8				
	DCQI	8				
	Ack-Nack repetition factor	3				
	CQI Feedback (Table 5.2B.4)	4ms				

HSUPA Specific Settings	CQI Repetition Factor (Table 5.2B.4)	2				
	Ahs = β_{hs}/β_c	30/15				
	D E-DPCCH	6	8	8	5	7
	DHARQ	0	0	0	0	0
	AG Index	20	12	15	17	21
	ETFCI (from 34.121 Table C.11.1.3)	75	67	92	71	81
	Associated Max UL Data Rate kbps	242.1	174.9	482.8	205.8	308.9

4. WCDMA Conducted Power Results

Choose the highest output power mode RMC 12.2Kbps for Band V/II at middle channel to test SAR and determine the worst configuration for further high/low channel test.

WCDMA Band II	Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	9262	9400	9538
Frequency (MHz)		1852.4	1880	1907.6
RMC12.2K	23.00	22.70	22.56	22.52
HSDPA Sub 1	21.00	20.54	20.34	20.33
HSDPA Sub 2	21.00	20.54	20.34	20.34
HSDPA Sub 3	21.00	20.59	20.35	20.33
HSDPA Sub 4	21.00	20.56	20.36	20.31
HSUPA Sub 1	18.50	18.24	17.73	18.09
HSUPA Sub 2	18.50	17.73	18.27	18.28
HSUPA Sub 3	18.50	17.75	17.79	18.10
HSUPA Sub 4	18.50	18.23	18.06	18.05
HSUPA Sub 5	19.00	18.33	18.77	18.56

WCDMA Band IV	Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	1312	1413	1513
Frequency (MHz)		1712.4	1732.6	1752.6
RMC12.2K	22.50	22.43	22.32	22.04
HSDPA Sub 1	20.50	20.28	20.11	19.89
HSDPA Sub 2	20.50	20.30	20.14	19.88
HSDPA Sub 3	20.50	20.28	20.12	19.86
HSDPA Sub 4	20.50	20.27	20.15	19.87
HSUPA Sub 1	18.00	17.48	17.83	17.27
HSUPA Sub 2	18.00	17.47	17.53	17.28
HSUPA Sub 3	18.00	17.91	17.82	17.27
HSUPA Sub 4	18.00	17.47	17.34	17.60
HSUPA Sub 5	18.50	17.86	17.73	18.02

WCDMA Band V	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	23.71	23.66	23.70
HSDPA Sub 1	21.50	21.36	21.48	21.43
HSDPA Sub 2	22.00	21.36	21.51	21.44
HSDPA Sub 3	21.50	21.34	21.49	21.45
HSDPA Sub 4	22.00	21.36	21.51	21.43
HSUPA Sub 1	19.50	19.07	19.16	18.87
HSUPA Sub 2	19.50	18.64	19.37	19.12
HSUPA Sub 3	19.50	18.61	19.16	19.32
HSUPA Sub 4	19.50	18.77	18.83	19.16
HSUPA Sub 5	20.00	19.31	19.81	19.57

8.3. LTE Conducted Power

- The following tests were conducted according to the test requirements outlines in 3GPP TS 36.521-1 specification. A summary of these configurations are illustrated below:

Test Parameters for Channel Bandwidths				
	Downlink Configuration	Uplink Configuration		
Ch BW	N/A for Max UE output power testing	Mod'n	RB allocation	
			FDD	TDD
1.4MHz		QPSK	1	1
1.4MHz		QPSK	5	5
3MHz		QPSK	1	1
3MHz		QPSK	4	4
5MHz		QPSK	1	1
5MHz		QPSK	8	8
10MHz		QPSK	1	1
10MHz		QPSK	12	12
15MHz		QPSK	1	1
15MHz		QPSK	16	16
20MHz		QPSK	1	1
20MHz		QPSK	18	18
Note 1:	Test Channel Bandwidths are checked separately for each E-UTRA band, the applicable channel bandwidths are specified in Table 5.4.2.1-1.			
Note 2:	For E-UTRA bands not applied with Note 2 in Table 6.2.2.3-1:			
-	The 1 RB allocation shall be tested at RB#0 for low and mid range, RB #max for high range test frequency.			
-	The RBstart of non-1RB allocation shall be RB #0 for low and mid range, RB# (max +1 - RB allocation) for high range test frequency.			
Note 3:	For E-UTRA bands applied with Note 2 in Table 6.2.2.3-1:			
-	If the test channel bandwidth is larger than 4MHz, then the 1 RB allocation shall be tested at both RB #0 and RB #max.			
-	If the test channel bandwidth is smaller or equal to 4MHz, then the 1 RB allocation shall be tested at RB #0.			
-	If the test channel bandwidth = (FUL_high - FUL_low) specified by the operating band, then only one frequency range shall be tested and the 1 RB allocation shall be tested at			
-	RB #0, RB # $\left\lceil N_{RB}^{UL} / 2 \right\rceil$ and RB #max.			
-	For non-1RB allocation, test frequency is middle range, and the RBstart shall be RB #0.			

2. LTE Conducted Power Results

LTE output list

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	23.00	22.94	22.91	22.81
			1	2	23.00	22.97	22.94	22.89
			1	5	23.00	22.95	22.86	22.84
			3	0	23.00	22.92	22.79	22.88
			3	1	23.00	22.93	22.77	22.88
			3	2	23.00	22.90	22.79	22.86
		16QAM	6	0	22.00	21.97	21.79	21.81
			1	0	22.50	22.07	21.76	21.78
			1	2	22.50	22.09	21.83	21.79
			1	5	22.50	22.11	21.80	21.82
			3	0	22.50	22.12	21.95	21.84
			3	1	22.50	22.12	21.97	21.85
			3	2	22.50	22.09	21.96	21.86
			6	0	21.00	20.90	20.80	20.80
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	23.50	23.03	22.90	22.86
			1	7	23.50	23.08	22.88	22.94
			1	14	23.50	23.04	22.88	22.98
			8	0	22.50	22.01	21.87	21.88
			8	4	22.50	21.98	21.83	21.87
			8	7	22.50	22.00	21.85	21.89
			15	0	22.00	22.00	21.86	21.88
		16QAM	1	0	22.50	21.91	22.07	21.77
			1	7	22.50	21.96	22.04	21.85
			1	14	22.50	21.92	21.97	21.88
			8	0	21.50	21.04	20.87	20.90
			8	4	21.50	21.03	20.85	20.92
			8	7	21.50	21.02	20.84	20.91
			15	0	21.00	20.98	20.74	20.89
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 Band 2	5MHz	QPSK	1	0	23.50	22.97	22.70	22.42
			1	12	23.50	22.97	22.45	22.47
			1	24	23.50	23.01	22.48	22.56
			12	0	22.00	21.99	21.94	21.82
			12	6	22.00	21.99	21.92	21.89
			12	11	22.00	21.96	21.93	21.93
			25	0	22.50	22.01	21.93	21.92
		16QAM	1	0	22.50	22.23	21.61	21.56
			1	12	22.50	22.13	21.55	21.59
			1	24	22.50	22.08	21.56	21.59
			12	0	21.50	20.98	20.83	20.77

			12	6	21.50	21.02	20.81	20.88
			12	11	21.50	21.00	20.81	20.91
			25	0	21.50	21.03	20.91	20.93
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	23.00	22.58	22.44	22.31
			1	24	23.00	22.62	22.44	22.41
			1	49	23.00	22.54	22.35	22.48
			25	0	22.50	21.99	21.85	21.80
			25	12	22.50	22.02	21.93	21.89
			25	24	22.50	22.02	21.90	22.06
			50	0	22.50	22.04	21.91	21.95
		16QAM	1	0	22.00	21.39	21.53	21.50
			1	24	22.00	21.44	21.55	21.58
			1	49	22.00	21.38	21.44	21.66
			25	0	21.50	20.96	20.88	20.90
			25	12	21.50	21.01	20.95	20.96
			25	24	21.50	21.04	20.92	21.11
			50	0	21.00	20.99	20.86	20.94
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	23.00	22.50	22.36	22.25
			1	37	23.00	22.56	22.42	22.38
			1	74	23.00	22.46	22.25	22.43
			36	0	22.50	22.02	21.89	21.81
			36	18	22.50	22.03	21.88	21.82
			36	37	22.50	22.01	21.82	21.98
			75	0	22.50	22.03	21.89	21.95
		16QAM	1	0	22.00	21.60	21.49	21.43
			1	37	22.00	21.64	21.54	21.59
			1	74	22.00	21.57	21.36	21.59
			36	0	21.50	21.01	20.87	20.84
			36	18	21.50	21.02	20.87	20.86
			36	37	21.50	21.00	20.87	21.02
			75	0	21.50	21.03	20.85	20.96
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	22.46	22.42	22.18
			1	49	23.00	22.54	22.52	22.33
			1	99	23.00	22.44	22.30	22.40
			50	0	22.50	21.98	21.91	21.94
			50	24	22.50	22.06	21.93	21.93
			50	49	22.50	21.95	21.93	22.11
			100	0	22.50	21.97	21.91	22.01
		16QAM	1	0	22.00	21.28	21.25	21.31
			1	49	22.00	21.41	21.36	21.52
			1	99	22.00	21.23	21.14	21.49
			50	0	21.50	21.00	20.86	20.92

			50	24	21.50	21.04	20.87	20.90
			50	49	21.50	21.00	20.87	21.08
			100	0	21.50	20.99	20.89	21.01

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	22.50	22.39	21.96	21.85
			1	2	22.50	21.96	22.04	21.89
			1	5	22.50	21.87	22.01	21.84
			3	0	22.50	22.46	22.46	22.26
			3	1	22.50	22.44	22.43	22.23
			3	2	22.50	22.44	22.42	22.26
			6	0	22.00	21.40	21.56	21.30
		16QAM	1	0	21.50	20.84	21.15	20.74
			1	2	21.50	20.85	21.14	20.80
			1	5	21.50	20.82	21.15	20.76
			3	0	22.00	21.41	21.69	21.47
			3	1	22.00	21.40	21.68	21.52
			3	2	22.00	21.41	21.67	21.49
			6	0	20.50	20.36	20.46	20.28
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	21.89	21.97	21.75
			1	7	22.00	21.94	21.94	21.75
			1	14	22.00	21.87	21.95	21.68
			8	0	21.50	21.39	21.48	21.20
			8	4	21.50	21.37	21.43	21.19
			8	7	21.50	21.40	21.44	21.19
			15	0	21.50	21.38	21.45	21.22
		16QAM	1	0	21.50	20.82	21.12	20.97
			1	7	21.50	20.83	21.12	20.97
			1	14	21.50	20.80	21.09	20.91
			8	0	21.00	20.40	20.51	20.23
			8	4	21.00	20.40	20.46	20.24
			8	7	21.00	20.42	20.45	20.19
			15	0	20.50	20.38	20.35	20.19
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	22.50	21.89	22.12	21.87
			1	12	22.50	21.83	22.05	21.80
			1	24	22.50	21.89	22.12	21.83
			12	0	22.00	21.37	21.60	21.23
			12	6	22.00	21.39	21.56	21.25
			12	11	22.00	21.41	21.53	21.26
			25	0	22.00	21.44	21.55	21.28
		16QAM	1	0	21.50	21.14	21.20	21.07
			1	12	21.50	21.09	21.15	20.95
			1	24	21.50	21.16	21.22	21.00

			12	0	21.00	20.40	20.51	20.20
			12	6	21.00	20.41	20.45	20.23
			12	11	21.00	20.39	20.42	20.23
			25	0	21.00	20.45	20.51	20.27
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20000/1715	20175/1732.5	20350/1750
LTE Band 4	10MHz	QPSK	1	0	22.50	21.96	22.02	21.86
			1	24	22.50	21.98	22.05	21.77
			1	49	22.50	22.03	22.03	21.77
			25	0	22.00	21.37	21.57	21.25
			25	12	22.00	21.44	21.54	21.23
			25	24	22.00	21.58	21.46	21.31
			50	0	22.00	21.48	21.53	21.31
		16QAM	1	0	21.50	20.84	21.12	21.02
			1	24	21.50	20.82	21.12	20.97
			1	49	21.50	20.90	21.16	20.96
			25	0	21.00	20.35	20.57	20.31
			25	12	21.00	20.41	20.57	20.30
			25	24	21.00	20.56	20.48	20.36
			50	0	20.50	20.46	20.49	20.31
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	22.50	21.88	21.92	21.84
			1	37	22.50	21.94	22.01	21.84
			1	74	22.50	22.00	21.90	21.64
			36	0	22.00	21.32	21.49	21.29
			36	18	22.00	21.37	21.49	21.29
			36	37	22.00	21.51	21.46	21.27
			75	0	21.50	21.42	21.48	21.31
		16QAM	1	0	21.50	20.95	21.03	21.04
			1	37	21.50	21.01	21.12	21.04
			1	74	21.50	21.04	21.05	20.87
			36	0	21.00	20.30	20.46	20.34
			36	18	21.00	20.36	20.49	20.30
			36	37	21.00	20.50	20.43	20.28
			75	0	20.50	20.43	20.47	20.31
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	22.50	21.78	21.95	21.90
			1	49	22.50	21.90	22.09	21.88
			1	99	22.50	21.89	21.88	21.68
			50	0	22.00	21.23	21.47	21.43
			50	24	22.00	21.50	21.52	21.40
			50	49	22.00	21.62	21.45	21.34
			100	0	21.50	21.44	21.40	21.36
		16QAM	1	0	21.50	20.65	20.81	21.03
			1	49	21.50	20.79	20.93	21.05
			1	99	21.50	20.81	20.73	20.79

			50	0	21.00	20.22	20.42	20.40
			50	24	21.00	20.48	20.45	20.35
			50	49	21.00	20.64	20.38	20.36
			100	0	20.50	20.42	20.42	20.35

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	23.50	23.28	23.33	23.27
			1	2	23.50	23.31	23.36	23.29
			1	5	23.50	23.24	23.32	23.24
			3	0	24.00	23.84	23.80	23.68
			3	1	24.00	23.82	23.77	23.70
			3	2	24.00	23.81	23.76	23.70
		16QAM	6	0	23.00	22.75	22.86	22.75
			1	0	23.00	22.26	22.48	22.14
			1	2	23.00	22.26	22.45	22.17
			1	5	23.00	22.23	22.51	22.13
			3	0	23.50	22.80	23.02	22.92
			3	1	23.50	22.80	23.00	22.97
			3	2	23.50	22.79	23.00	22.97
			6	0	22.00	21.73	21.79	21.78
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	23.50	23.27	23.34	23.29
			1	7	23.50	23.32	23.32	23.31
			1	14	23.50	23.34	23.32	23.28
			8	0	23.00	22.78	22.80	22.68
			8	4	23.00	22.73	22.84	22.70
			8	7	23.00	22.79	22.83	22.68
		16QAM	15	0	23.00	22.75	22.85	22.76
			1	0	23.00	22.23	22.48	22.47
			1	7	23.00	22.23	22.47	22.51
			1	14	23.00	22.25	22.44	22.48
			8	0	22.00	21.80	21.80	21.76
			8	4	22.00	21.76	21.84	21.75
			8	7	22.00	21.79	21.84	21.73
			15	0	22.00	21.76	21.78	21.72
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	23.50	23.25	23.36	23.27
			1	12	23.50	23.25	23.37	23.25
			1	24	23.50	23.29	23.40	23.36
			12	0	23.00	22.74	22.91	22.84
			12	6	23.00	22.75	22.86	22.76
			12	11	23.00	22.69	22.85	22.74
			25	0	23.00	22.79	22.88	22.82
		16QAM	1	0	23.00	22.47	22.51	22.45
			1	12	23.00	22.47	22.50	22.40
			1	24	23.00	22.53	22.49	22.40

			12	0	22.00	21.78	21.79	21.77
			12	6	22.00	21.78	21.79	21.73
			12	11	22.00	21.71	21.77	21.72
			25	0	22.00	21.80	21.85	21.84
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	23.50	23.27	23.35	23.38
			1	24	23.50	23.40	23.40	23.32
			1	49	23.50	23.38	23.30	23.25
			25	0	23.00	22.81	22.87	22.88
			25	12	23.00	22.82	22.86	22.76
			25	24	23.00	22.77	22.88	22.71
		16QAM	50	0	23.00	22.85	22.95	22.87
			1	0	23.00	22.17	22.45	22.54
			1	24	23.00	22.30	22.47	22.48
			1	49	23.00	22.29	22.38	22.42
			25	0	22.00	21.80	21.91	21.92
			25	12	22.00	21.83	21.90	21.81
			25	24	22.00	21.78	21.96	21.77
			50	0	22.00	21.80	21.88	21.82

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	22.50	21.91	21.98	22.03
			1	12	22.50	21.55	22.02	22.05
			1	24	22.50	21.60	22.07	22.11
			12	0	22.00	21.06	21.41	21.50
			12	6	22.00	21.04	21.42	21.48
			12	11	22.00	21.10	21.42	21.47
		16QAM	25	0	22.00	21.09	21.39	21.52
			1	0	21.50	20.80	21.05	21.12
			1	12	21.50	20.82	21.00	21.09
			1	24	21.50	20.83	21.05	21.10
			12	0	21.00	20.07	20.32	20.51
			12	6	21.00	20.07	20.32	20.47
			12	11	21.00	20.17	20.35	20.50
			25	0	21.00	20.14	20.39	20.54
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	22.50	21.57	21.75	21.98
			1	24	22.50	21.69	21.90	22.05
			1	49	22.50	21.67	21.86	22.06
			25	0	22.00	21.06	21.35	21.55
			25	12	22.00	21.14	21.41	21.48
			25	24	22.00	21.20	21.49	21.55
			50	0	22.00	21.14	21.46	21.57
		16QAM	1	0	21.50	20.47	20.85	21.13
			1	24	21.50	20.56	20.96	21.20
			1	49	21.50	20.56	20.91	21.20

			25	0	21.00	20.01	20.41	20.59
			25	12	21.00	20.11	20.46	20.54
			25	24	21.00	20.17	20.52	20.62
			50	0	21.00	20.10	20.44	20.52
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	22.50	21.57	21.66	21.87
			1	37	22.50	21.71	21.84	22.04
			1	74	22.50	21.68	21.79	21.95
			36	0	22.00	21.00	21.31	21.44
			36	18	22.00	21.07	21.37	21.47
			36	37	22.00	21.14	21.41	21.53
			75	0	22.00	21.04	21.38	21.53
		16QAM	1	0	21.50	20.60	20.78	21.04
			1	37	21.50	20.74	20.94	21.20
			1	74	21.50	20.73	20.86	21.14
			36	0	21.00	20.00	20.33	20.50
			36	18	21.00	20.08	20.38	20.48
			36	37	21.00	20.14	20.47	20.51
			75	0	21.00	20.05	20.31	20.52
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	22.50	21.34	21.66	21.91
			1	49	22.50	21.55	21.95	22.04
			1	99	22.50	21.60	21.89	22.07
			50	0	22.00	20.94	21.35	21.60
			50	24	22.00	21.11	21.48	21.53
			50	49	22.00	21.13	21.56	21.54
			100	0	22.00	21.02	21.47	21.57
		16QAM	1	0	21.50	20.29	20.53	20.93
			1	49	21.50	20.46	20.91	21.14
			1	99	21.50	20.50	20.83	21.07
			50	0	21.00	19.90	20.32	20.59
			50	24	21.00	20.13	20.43	20.51
			50	49	21.00	20.14	20.52	20.48
			100	0	21.00	19.99	20.47	20.55

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26797/824.7	26915/836.5	27033/848.3
LTE Band 26	1.4MHz	QPSK	1	0	23.50	23.26	23.31	23.24
			1	2	23.50	23.31	23.34	23.28
			1	5	23.50	23.23	23.31	23.27
			3	0	24.00	23.79	23.79	23.66
			3	1	24.00	23.79	23.80	23.63
			3	2	24.00	23.79	23.77	23.67
			6	0	23.00	22.74	22.82	22.70
		16QAM	1	0	22.50	22.22	22.45	22.06
			1	2	22.50	22.24	22.43	22.14
			1	5	22.50	22.25	22.49	22.12

			3	0	23.50	22.76	23.01	22.90
			3	1	23.50	22.76	23.01	22.92
			3	2	23.50	22.76	23.01	22.94
			6	0	22.00	21.72	21.77	21.73
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26805/825.5	26915/836.5	27025/847.5
LTE Band 26	3MHz	QPSK	1	0	23.50	23.29	23.33	23.23
			1	7	23.50	23.33	23.32	23.22
			1	14	23.50	23.34	23.38	23.27
			8	0	23.00	22.78	22.84	22.65
			8	4	23.00	22.77	22.82	22.67
			8	7	23.00	22.77	22.82	22.69
			15	0	23.00	22.76	22.83	22.72
		16QAM	1	0	22.50	22.21	22.47	22.43
			1	7	22.50	22.26	22.44	22.46
			1	14	22.50	22.24	22.47	22.47
			8	0	22.00	21.80	21.83	21.71
			8	4	22.00	21.79	21.82	21.70
			8	7	22.00	21.78	21.81	21.70
			15	0	22.00	21.76	21.73	21.68
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26815/826.5	26915/836.5	27015/846.5
LTE Band 26	5MHz	QPSK	1	0	23.50	23.24	23.42	23.31
			1	12	23.50	23.25	23.36	23.22
			1	24	23.50	23.32	23.47	23.36
			12	0	23.00	22.74	22.90	22.82
			12	6	23.00	22.73	22.88	22.70
			12	11	23.00	22.74	22.84	22.68
			25	0	23.00	22.81	22.87	22.83
		16QAM	1	0	23.00	22.48	22.58	22.42
			1	12	23.00	22.46	22.45	22.37
			1	24	23.00	22.55	22.58	22.39
			12	0	22.00	21.78	21.77	21.80
			12	6	22.00	21.78	21.78	21.70
			12	11	22.00	21.79	21.78	21.69
			25	0	22.00	21.82	21.83	21.81
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26840/829	26915/836.5	26990/844
LTE Band 26	10MHz	QPSK	1	0	23.50	23.28	23.33	23.35
			1	24	23.50	23.41	23.39	23.32
			1	49	23.50	23.39	23.34	23.23
			25	0	23.00	22.85	22.87	22.90
			25	12	23.00	22.85	22.87	22.78
			25	24	23.00	22.80	22.89	22.67
			50	0	23.00	22.86	22.95	22.86
		16QAM	1	0	23.00	22.15	22.44	22.51
			1	24	23.00	22.29	22.48	22.47
			1	49	23.00	22.31	22.41	22.42

			25	0	22.00	21.84	21.90	21.94
			25	12	22.00	21.84	21.90	21.84
			25	24	22.00	21.80	21.92	21.71
			50	0	22.00	21.82	21.89	21.83
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26865/831.5	26915/836.5	26965/841.5
LTE Band 26	15MHz	QPSK	1	0	23.50	23.26	23.22	23.35
			1	37	23.50	23.41	23.35	23.37
			1	74	23.50	23.38	23.18	23.17
			36	0	23.00	22.79	22.89	22.75
			36	18	23.00	22.83	22.85	22.78
			36	37	23.00	22.82	22.81	22.63
			75	0	23.00	22.83	22.84	22.72
		16QAM	1	0	23.00	22.29	22.37	22.54
			1	37	23.00	22.45	22.45	22.53
			1	74	23.00	22.45	22.32	22.35
			36	0	22.00	21.82	21.87	21.80
			36	18	22.00	21.84	21.84	21.82
			36	37	22.00	21.84	21.80	21.65
			75	0	22.00	21.81	21.86	21.72

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		40265/2557.5	40740/2605	41215/2652.5
LTE Band 41	5MHz	QPSK	1	0	23.00	22.03	22.13	22.77
			1	12	23.00	22.06	22.30	22.82
			1	24	23.00	22.12	22.29	22.77
			12	0	22.50	21.52	21.67	22.28
			12	6	22.50	21.51	21.66	22.28
			12	11	22.50	21.53	21.61	22.28
			25	0	22.50	21.52	21.66	22.29
		16QAM	1	0	22.00	21.06	21.09	21.78
			1	12	22.00	21.30	21.11	21.80
			1	24	22.00	21.30	21.19	21.85
			12	0	21.50	20.54	20.65	21.29
			12	6	21.50	20.51	20.60	21.27
			12	11	21.50	20.48	20.66	21.32
			25	0	21.50	20.47	20.60	21.29
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		40290/2560	40740/2605	41190/2650
LTE Band 41	10MHz	QPSK	1	0	23.00	22.02	22.01	22.73
			1	24	23.00	21.95	22.13	22.81
			1	49	23.00	22.02	22.23	22.88
			25	0	22.50	21.46	21.57	22.20
			25	12	22.50	21.50	21.61	22.26
			25	24	22.50	21.47	21.63	22.29
			50	0	22.50	21.51	21.66	22.28
		16QAM	1	0	22.00	20.89	20.89	21.78
			1	24	22.00	20.72	20.99	21.83
			1	49	22.00	20.93	21.05	21.91

			25	0	21.50	20.46	20.63	21.23
			25	12	21.50	20.43	20.68	21.29
			25	24	21.50	20.51	20.65	21.33
			50	0	21.50	20.48	20.59	21.25
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		40315/2562.5	40740/2605	41165/2647.5
LTE Band 41	15MHz	QPSK	1	0	23.00	22.26	21.97	22.62
			1	37	23.00	22.09	22.08	22.75
			1	74	23.00	21.88	22.14	22.77
			36	0	22.50	21.39	21.54	22.10
			36	18	22.50	21.45	21.58	22.17
			36	37	22.50	21.51	21.63	22.18
			75	0	22.50	21.48	21.61	22.17
		16QAM	1	0	22.00	20.95	20.83	21.42
			1	37	22.00	20.78	20.99	21.54
			1	74	22.00	21.32	20.98	21.79
			36	0	21.50	20.52	20.52	21.13
			36	18	21.50	20.54	20.59	21.17
			36	37	21.50	20.45	20.61	21.20
			75	0	21.50	20.47	20.62	21.20
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		40340/2565	40740/2605	41140/2645
LTE Band 41	20MHz	QPSK	1	0	23.00	22.30	21.98	22.46
			1	49	23.00	22.43	22.22	22.72
			1	99	23.00	22.22	22.03	22.72
			50	0	22.50	21.47	21.57	22.16
			50	24	22.50	21.51	21.63	22.20
			50	49	22.50	21.52	21.68	22.22
			100	0	22.50	21.48	21.61	22.16
		16QAM	1	0	22.00	21.07	21.07	21.39
			1	49	22.00	20.67	20.86	21.66
			1	99	22.00	20.63	20.86	21.61
			50	0	21.50	20.54	20.48	21.10
			50	24	21.50	20.45	20.63	21.20
			50	49	21.50	20.50	20.67	21.23
			100	0	21.50	20.49	20.62	21.14

8.4. Wi-Fi & BT Output Power

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)
802.11b	1	2412	13.00	12.39
	6	2437	13.00	12.79
	11	2462	13.00	12.63
802.11g	1	2412	13.00	12.91
	6	2437	13.00	12.84
	11	2462	13.00	12.72
802.11n HT20	1	2412	13.00	12.86
	6	2437	13.00	12.74
	11	2462	13.00	12.63
802.11n HT40	3	2422	13.50	12.98
	6	2437	13.50	13.07
	9	2452	13.50	13.04

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)
802.11a	36	5180	8.00	7.44
	40	5200	8.00	7.81
	48	5240	8.00	7.73
802.11n HT20	36	5180	6.00	5.27
	40	5200	8.00	7.72
	48	5240	8.00	7.54
802.11n HT40	38	5190	8.00	7.85
	46	5230	8.00	7.83
802.11ac VHT20	36	5180	8.00	7.84
	40	5200	8.00	7.74
	48	5240	8.00	7.61
802.11ac VHT40	38	5190	8.00	7.92
	46	5230	8.00	7.80
802.11ac VHT80	42	5210	7.00	6.42

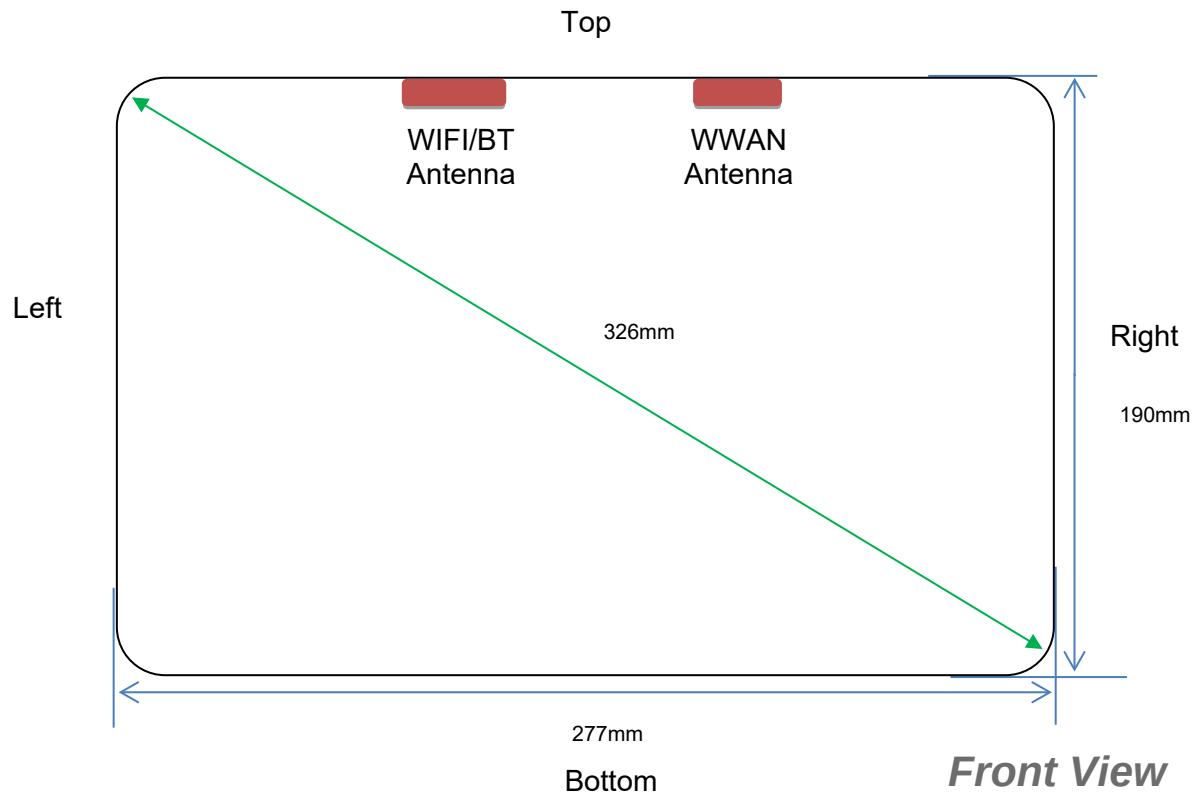
Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)
802.11a	149	5745	7.50	7.31
	157	5785	7.50	7.21
	165	5825	7.50	6.77
802.11n HT20	149	5745	7.50	7.22
	157	5785	7.50	6.94
	165	5825	7.50	6.56
802.11n HT40	151	5755	8.00	7.80
	159	5795	8.00	7.08

802.11ac VHT20	149	5745	7.50	7.21
	157	5785	7.50	6.92
	165	5825	7.50	6.66
802.11ac VHT40	151	5755	8.00	7.73
	159	5795	8.00	7.02
802.11ac VHT80	155	5775	8.00	7.31

BR+EDR	Output Power (dBm)				
	Channel	Tune-up (dBm)	Data Rates		
			1M	2M	3M
	0CH	1.00	0.37	-0.29	-0.29
	39CH	1.00	0.78	0.01	0.01
	78CH	1.00	0.57	-0.09	-0.08

Mode	Channel	Tune-up (dBm)	Output Power (dBm)
BLE1M	CH00	-2.00	-2.33
	CH19	-2.00	-2.45
	CH39	-2.00	-2.05
BLE2M	CH00	-2.00	-2.29
	CH19	-2.00	-2.41
	CH39	-2.00	-2.01

9. Antenna Location



Antenna information:

Distance of The Antenna to the EUT surface and edge (mm)					
Antennas	Back Side	Top Side	Bottom Side	Left Side	Right Side
BT/WLAN	5	5	175	88	170
WWAN	5	5	175	170	92

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

Positions for SAR tests		
Test separation distances > 50 mm		
Exposure Positions	Tune-up Maximum power of WLAN 2.4G/Bluetooth	
	13.50 dBm/1.00 dBm	22.39 mW/1.26 mW
Left Side	Antenna to user(mm)	88
	SAR exclusion threshold(mW)	476
	SAR testing required?	NO
Right Side	Antenna to user(mm)	170
	SAR exclusion threshold(mW)	1296
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	175
	SAR exclusion threshold(mW)	1346
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WLAN 5.2G	
	8.00 dBm	6.31 mW
Left Side	Antenna to user(mm)	88
	SAR exclusion threshold(mW)	446
	SAR testing required?	NO
Right Side	Antenna to user(mm)	170
	SAR exclusion threshold(mW)	1266
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	175
	SAR exclusion threshold(mW)	1316
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WLAN 5.8G	
	8.00 dBm	6.31 mW
Left Side	Antenna to user(mm)	88
	SAR exclusion threshold(mW)	442
	SAR testing required?	NO
Right Side	Antenna to user(mm)	170
	SAR exclusion threshold(mW)	1262
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	175
	SAR exclusion threshold(mW)	1312
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of GSM 850	
	32.00 dBm	1584.89 mW
Left Side	Antenna to user(mm)	170
	SAR exclusion threshold(mW)	832

	SAR testing required?	YES
Right Side	Antenna to user(mm)	92
	SAR exclusion threshold(mW)	398
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	175
	SAR exclusion threshold(mW)	860
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of GSM 1900	
	28.50 dBm	707.95 mW
Left Side	Antenna to user(mm)	170
	SAR exclusion threshold(mW)	1309
	SAR testing required?	NO
Right Side	Antenna to user(mm)	92
	SAR exclusion threshold(mW)	529
	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	175
	SAR exclusion threshold(mW)	1359
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WCDMA Band 2	
	23.00 dBm	199.53 mW
Left Side	Antenna to user(mm)	170
	SAR exclusion threshold(mW)	1309
	SAR testing required?	NO
Right Side	Antenna to user(mm)	92
	SAR exclusion threshold(mW)	529
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	175
	SAR exclusion threshold(mW)	1359
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WCDMA Band 4	
	22.50 dBm	177.83 mW
Left Side	Antenna to user(mm)	170
	SAR exclusion threshold(mW)	1309
	SAR testing required?	NO
Right Side	Antenna to user(mm)	92
	SAR exclusion threshold(mW)	529
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	175
	SAR exclusion threshold(mW)	1359
	SAR testing required?	NO

Exposure Positions	Tune-up Maximum power of WCDMA Band 5	
	24.00 dBm	251.19 mW
Left Side	Antenna to user(mm)	170
	SAR exclusion threshold(mW)	832
	SAR testing required?	NO
Right Side	Antenna to user(mm)	92
	SAR exclusion threshold(mW)	398
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	175
	SAR exclusion threshold(mW)	860
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 2	
	23.00 dBm	199.53 mW
Left Side	Antenna to user(mm)	170
	SAR exclusion threshold(mW)	1309
	SAR testing required?	NO
Right Side	Antenna to user(mm)	92
	SAR exclusion threshold(mW)	529
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	175
	SAR exclusion threshold(mW)	1359
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 4	
	22.50 dBm	177.83 mW
Left Side	Antenna to user(mm)	170
	SAR exclusion threshold(mW)	1309
	SAR testing required?	NO
Right Side	Antenna to user(mm)	92
	SAR exclusion threshold(mW)	529
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	175
	SAR exclusion threshold(mW)	1359
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 5	
	23.50 dBm	223.87 mW
Left Side	Antenna to user(mm)	170
	SAR exclusion threshold(mW)	832
	SAR testing required?	NO
Right Side	Antenna to user(mm)	92
	SAR exclusion threshold(mW)	398

	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	175
	SAR exclusion threshold(mW)	860
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 7	
	22.50 dBm	177.83 mW
Left Side	Antenna to user(mm)	170
	SAR exclusion threshold(mW)	1296
	SAR testing required?	NO
Right Side	Antenna to user(mm)	92
	SAR exclusion threshold(mW)	516
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	175
	SAR exclusion threshold(mW)	1346
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 26	
	23.50 dBm	223.87 mW
Left Side	Antenna to user(mm)	170
	SAR exclusion threshold(mW)	832
	SAR testing required?	NO
Right Side	Antenna to user(mm)	92
	SAR exclusion threshold(mW)	398
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	175
	SAR exclusion threshold(mW)	860
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 41	
	23.00 dBm	199.53 mW
Left Side	Antenna to user(mm)	170
	SAR exclusion threshold(mW)	1296
	SAR testing required?	NO
Right Side	Antenna to user(mm)	92
	SAR exclusion threshold(mW)	516
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	175
	SAR exclusion threshold(mW)	1346
	SAR testing required?	NO

NOTE: Refer to section 4.3.1 of KDB 447498 D01.

10. 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	Pmax (dBm)	Pmax (mW)	Distance (mm)	f (GHz)	Calculation Result	SAR Exclusion threshold	SAR test exclusion
Bluetooth	1.00+1.07	1.61	5	2.480	0.5	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 ≤ 50 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	Pmax (dBm)	Pmax (mW)	Distance (mm)	f (GHz)	x	Estimated SAR (W/kg)
Bluetooth	Body	2.07	1.61	5	2.48	7.5	0.067

NOTE: Estimated SAR calculation for Bluetooth.

11. SAR Measurement Results

< GSM 850 >

Test Position of Body with 0mm	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						
Top Side	189/836.4	GPRS(GMSK 2TS)	0.138	0.071	2.39	31.68	32.00	0.149	2026/4/9	
Back Side	189/836.4	GPRS(GMSK 2TS)	0.215	0.116	-0.43	31.68	32.00	0.231	2026/4/9	#1
Left Side	189/836.4	GPRS(GMSK 2TS)	0.052	0.027	0.20	31.68	32.00	0.056	2026/4/9	
Right Side	189/836.4	GPRS(GMSK 2TS)	0.125	0.066	3.24	31.68	32.00	0.135	2026/4/9	
Bottom Side	189/836.4	GPRS(GMSK 2TS)	0.096	0.050	-0.11	31.68	32.00	0.103	2026/4/9	

< GSM 1900 >

Test Position of Body with 0mm	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						
Top Side	661/1880	GPRS(GMSK 4TS)	0.204	0.103	-2.56	25.02	25.50	0.228	2026/4/13	
Back Side	661/1880	GPRS(GMSK 4TS)	0.315	0.168	2.75	25.02	25.50	0.352	2026/4/13	#2
Right Side	661/1880	GPRS(GMSK 4TS)	0.175	0.091	3.77	25.02	25.50	0.195	2026/4/13	

< WCDMA Band 2 >

Test Position of Body with 0mm	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						
Top Side	9400/1880	RMC12.2K	0.222	0.102	-0.62	22.56	23.00	0.246	2026/4/13	
Back Side	9400/1880	RMC12.2K	0.351	0.161	3.31	22.56	23.00	0.388	2026/4/13	#3

< WCDMA Band 4 >

Test Position of	Test channel /Freq.	Mode	SAR Value (W/kg)	Power Drift(%)	Conducted Power	Tune-up Power	Scaled SAR 1-	Date	Plot
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Body with 0mm			1-g	10-g		(dBm)	(dBm)	g (W/Kg)		
Top Side	1413/1732.6	RMC12.2K	0.380	0.192	3.01	22.32	22.50	0.396	2026/4/10	
Back Side	1413/1732.6	RMC12.2K	0.605	0.323	1.02	22.32	22.50	0.631	2026/4/10	#4

< WCDMA Band 5 >

Test Position of Body with 0mm	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						
Top Side	4182/836.4	RMC12.2K	0.132	0.068	3.78	23.66	24.00	0.143	2026/4/9	
Back Side	4182/836.4	RMC12.2K	0.215	0.115	-1.72	23.66	24.00	0.233	2026/4/9	#5

< LTE Band2 >

Test Position of Body with 0mm	Test channel /Freq.	Mode	SAR Value		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			(W/kg)							
			1-g	10-g						
1RB										
Top Side	18900/1880	20M QPSK(1,49)	0.384	0.197	-0.66	22.52	23.00	0.429	2026/4/13	
Back Side	18900/1880	20M QPSK(1,49)	0.608	0.328	0.31	22.52	23.00	0.679	2026/4/13	#9
50%RB										
Top Side	18900/1880	20M QPSK(50,49)	0.211	0.115	-1.38	21.93	22.50	0.241	2026/4/13	
Back Side	18900/1880	20M QPSK(50,49)	0.348	0.178	2.70	21.93	22.50	0.397	2026/4/13	

< LTE Band4 >

Test Position of Body with 0mm	Test channel /Freq.	Mode	SAR Value		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			(W/kg)							
			1-g	10-g						
1RB										
Top Side	20175/1732.5	20M QPSK(1,49)	0.390	0.210	-2.35	22.09	22.50	0.429	2026/4/10	
Back Side	20175/1732.5	20M QPSK(1,49)	0.611	0.332	3.38	22.09	22.50	0.671	2026/4/10	#10
50%RB										
Top Side	20175/1732.5	20M QPSK(50,49)	0.207	0.119	-1.37	21.45	22.00	0.235	2026/4/10	
Back Side	20175/1732.5	20M QPSK(50,49)	0.308	0.192	2.46	21.45	22.00	0.350	2026/4/10	

< LTE Band5 >

Test	Test channel	Mode	SAR Value	Power	Conducted	Tune-up	Scaled	Date	Plot
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Position of Body with 0mm	/Freq.		(W/kg)		Drift(%)	Power (dBm)	Power (dBm)	SAR 1-g (W/Kg)		
			1-g	10-g						
1RB										
Top Side	20525/836.5	10M QPSK(1,24)	0.264	0.136	1.96	23.40	23.50	0.270	2026/4/9	
Back Side	20525/836.5	10M QPSK(1,24)	0.401	0.215	1.13	23.40	23.50	0.410	2026/4/9	#11
50%RB										
Top Side	20525/836.5	10M QPSK(25,24)	0.145	0.072	2.35	22.88	23.00	0.149	2026/4/9	
Back Side	20525/836.5	10M QPSK(25,24)	0.235	0.129	1.38	22.88	23.00	0.242	2026/4/9	

< LTE Band7 >

Test Position of Body with 0mm	Test channel /Freq.	Mode	SAR Value		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			(W/kg)							
			1-g	10-g						
1RB										
Top Side	21100/2535	20M QPSK(1,99)	0.330	0.147	-0.47	21.89	22.50	0.380	2026/4/12	
Back Side	21100/2535	20M QPSK(1,99)	0.524	0.236	0.20	21.89	22.50	0.603	2026/4/12	#12
50%RB										
Top Side	21100/2535	20M QPSK(50,0)	0.185	0.074	-0.64	21.35	22.00	0.215	2026/4/12	
Back Side	21100/2535	20M QPSK(50,0)	0.301	0.126	-4.26	21.35	22.00	0.350	2026/4/12	

< LTE Band26 >

Test Position of Body with 0mm	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						
1RB										
Top Side	26865/831.5	15M QPSK(1,37)	0.144	0.074	1.40	23.35	23.50	0.149	2026/4/9	
Back Side	26865/831.5	15M QPSK(1,37)	0.215	0.115	-1.72	23.35	23.50	0.223	2026/4/9	#14
50%RB										
Top Side	26865/831.5	15M QPSK(36,0)	0.078	0.041	-4.2	22.89	23.00	0.080	2026/4/9	
Back Side	26865/831.5	15M QPSK(36,0)	0.125	0.062	-1.83	22.89	23.00	0.128	2026/4/9	

< LTE Band41 >

Test Position of Body with 0mm	Test channel /Freq.	Mode	SAR Value		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			(W/kg)							
			1-g	10-g						
1RB										
Top Side	40740/2605	20M QPSK(1,49)	0.348	0.149	2.50	22.22	23.00	0.416	2026/4/12	
Back Side	40740/2605	20M QPSK(1,49)	0.539	0.243	-0.44	22.22	23.00	0.645	2026/4/12	#13
50%RB										
Top Side	40740/2605	20M QPSK(50,49)	0.200	0.078	2.67	21.68	22.50	0.242	2026/4/12	
Back Side	40740/2605	20M QPSK(50,49)	0.288	0.14	1.62	21.68	22.50	0.348	2026/4/12	

< WLAN 2.4G >

Test Position of Body with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Back Side	6/2437	802.11b	0.266	0.113	0.48	12.79	13.00	0.279	2026/4/14	#8
Back Side	6/2437	802.11n HT40	0.248	0.100	0.12	13.07	13.50	0.274	2026/4/14	
Top Side	6/2437	802.11b	0.162	0.066	-0.69	12.79	13.00	0.170	2026/4/14	

< WLAN 5.2G >

Test Position of Body with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Back Side	38/5190	802.11n HT40	0.561	0.241	2.20	7.85	8.00	0.581	2026/4/15	#6
Top Side	38/5190	802.11n HT40	0.354	0.149	-0.30	7.85	8.00	0.366	2026/4/15	

< WLAN 5.8G >

Test Position of Body with 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Back Side	151/5755	802.11n HT40	0.499	0.194	0.51	7.80	8.00	0.523	2026/4/16	#7

Top Side	151/5755	802.11n HT40	0.306	0.118	-1.65	7.80	8.00	0.320	2026/4/16	
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Note:

- 1) When the reported SAR of the highest measured maximum output power channel for the Initial test configuration is ≤ 0.8 W/kg, no further SAR testing is required for other channels.
- 2) SAR is not required for the following 2.4 GHz OFDM conditions.
 - a) When KDB Publication 447498 D01 SAR test exclusion applies to the OFDM configuration.
 - b) When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.

12. Simultaneous Transmission Analysis

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

1) Scalar SAR summation < 1.6W/kg.

2) $SPLSR = \sqrt{(SAR_1 + SAR_2)^{1.5}} / (\text{min. separation distance, mm})$, 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 $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.

No.	Simultaneous Tx	Body-worn	Hotspot
1	WWAN+WLAN	Yes	Yes
2	WWAN+Bluetooth	Yes	Yes

Note : WiFi and Bluetooth use the same antenna and cannot be transmitted at the same time.

Exposure Position		WWAN Band	NII Band	Simultaneous Tx SAR(W/Kg)
		SAR(W/Kg)	SAR(W/Kg)	
Body&Hotspot	Front Side	/	/	/
	Back Side	0.679	0.581	1.260
	Left Side	0.056	/	0.056
	Right Side	0.195	/	0.195
	Top Side	0.429	0.366	0.795
	Bottom Side	0.103	/	0.103

Exposure Position		WWAN Band	DTS Band	Simultaneous Tx SAR(W/Kg)
		SAR(W/Kg)	SAR(W/Kg)	
Body&Hotspot	Front Side	/	/	/
	Back Side	0.679	0.279	0.958
	Left Side	0.056	/	0.056
	Right Side	0.195	/	0.195
	Top Side	0.429	0.170	0.599
	Bottom Side	0.103	/	0.103

Exposure Position		WWAN Band	DSS Band	Simultaneous Tx SAR(W/Kg)
		SAR(W/Kg)	SAR(W/Kg)	
Body&Hotspot	Front Side	/	/	/
	Back Side	0.679	0.067	0.746
	Left Side	0.056	/	0.056
	Right Side	0.195	/	0.195
	Top Side	0.429	0.067	0.496
	Bottom Side	0.103	/	0.103

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

Appendix A. Photo documentation

Refer to appendix Test Setup photo-SAR

Appendix B. System Check Plots

Table of contents
#1 System Performance Check - 900MHz
#2 System Performance Check - 1800MHz
#3 System Performance Check - 1900MHz
#4 System Performance Check - 2450MHz
#5 System Performance Check - 2600MHz
#6 System Performance Check - 5200MHz
#7 System Performance Check - 5800MHz

#1

Date of measurement: 9/4/2026

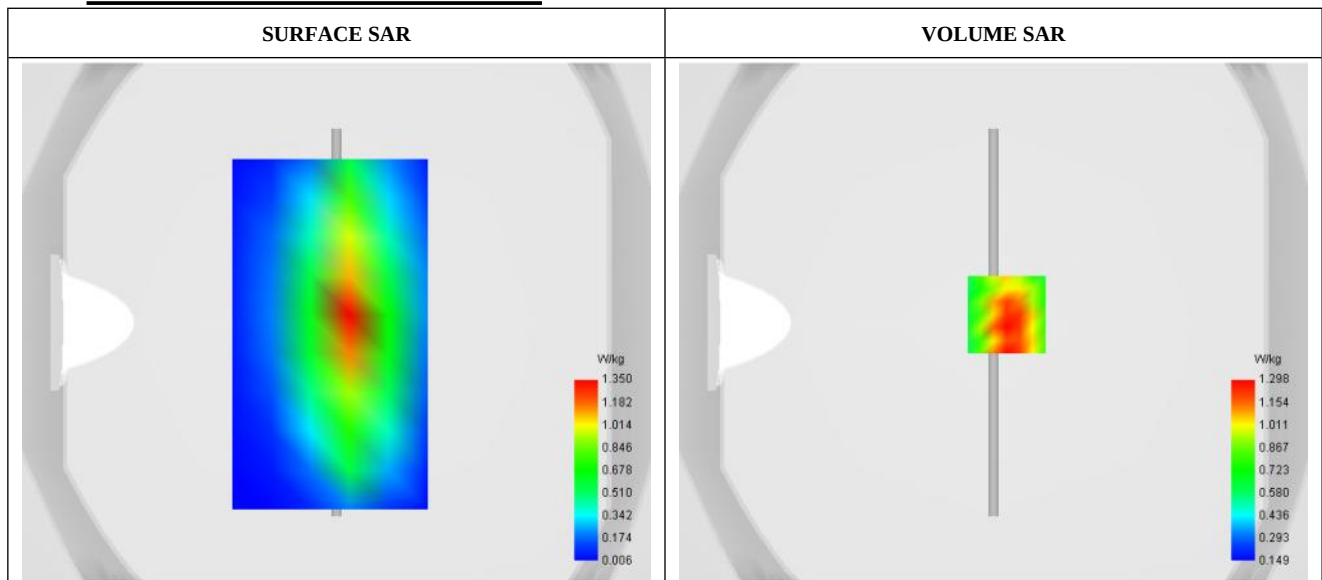
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.01
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW900
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	900.000
Relative permittivity (real part)	40.940
Relative permittivity (imaginary part)	19.200
Conductivity (S/m)	0.960

C. SAR Surface and Volume



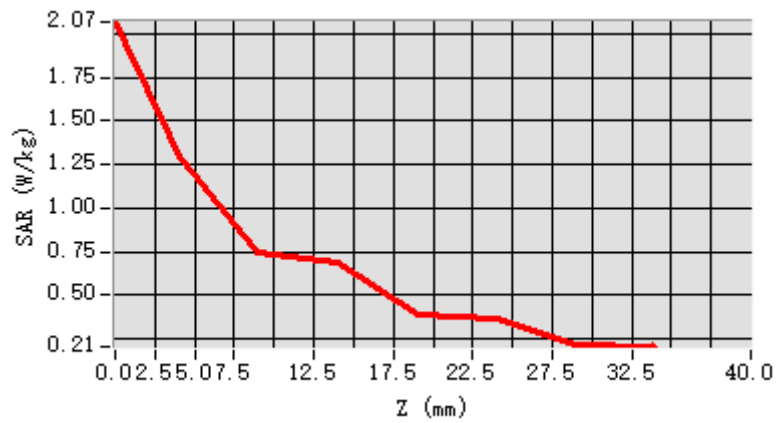
Maximum location: X=5.00, Y=3.00 ; SAR Peak: 1.90 W/kg

D. SAR 1g & 10g

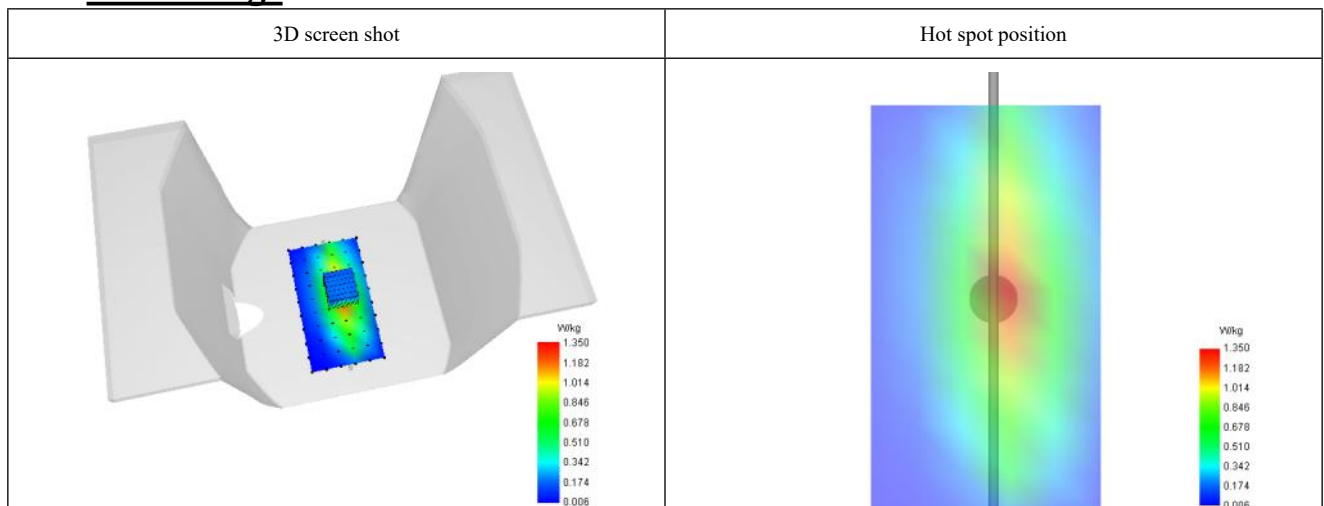
SAR 10g (W/Kg)	0.642
SAR 1g (W/Kg)	1.011
Variation (%)	2.200
Horizontal validation criteria: minimum distance (mm)	15.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	57.716049

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	2.064	1.296	0.748	0.687	0.392	0.367	0.223



F. 3D Image



#2

Date of measurement: 10/4/2026

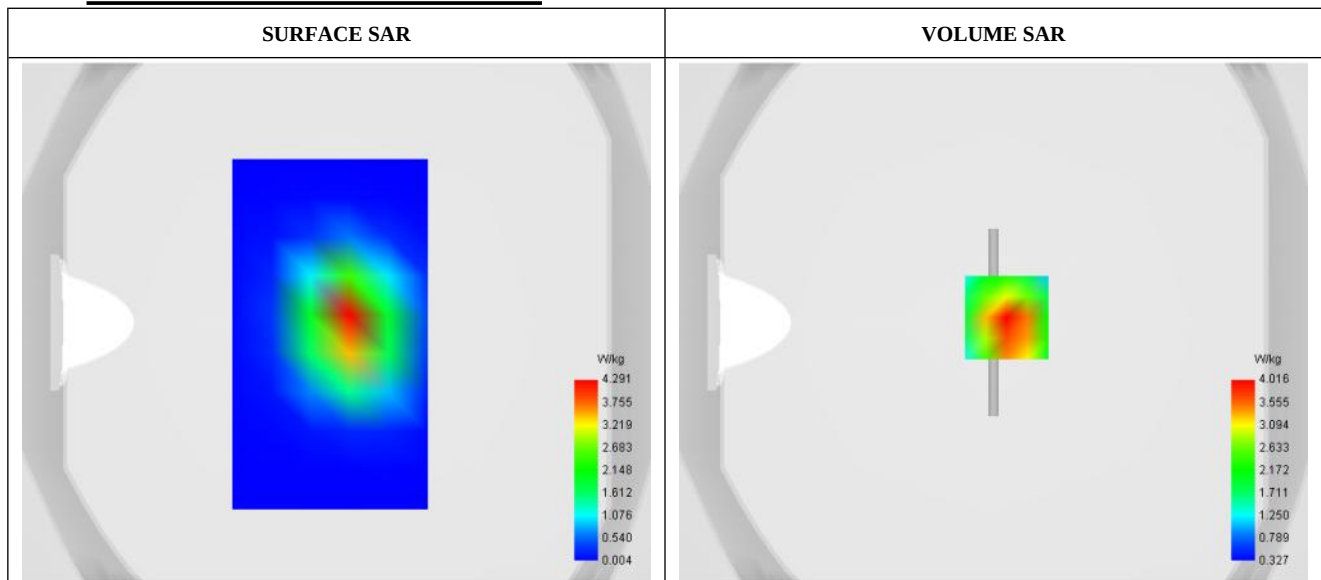
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.01
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
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	1800.000
Relative permittivity (real part)	41.520
Relative permittivity (imaginary part)	14.000
Conductivity (S/m)	1.400

C. SAR Surface and Volume



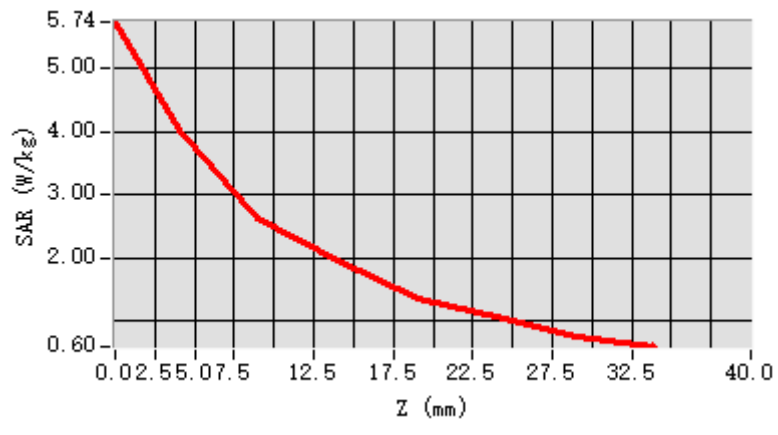
Maximum location: X=5.00, Y=2.00 ; SAR Peak: 5.78 W/kg

D. SAR 1g & 10g

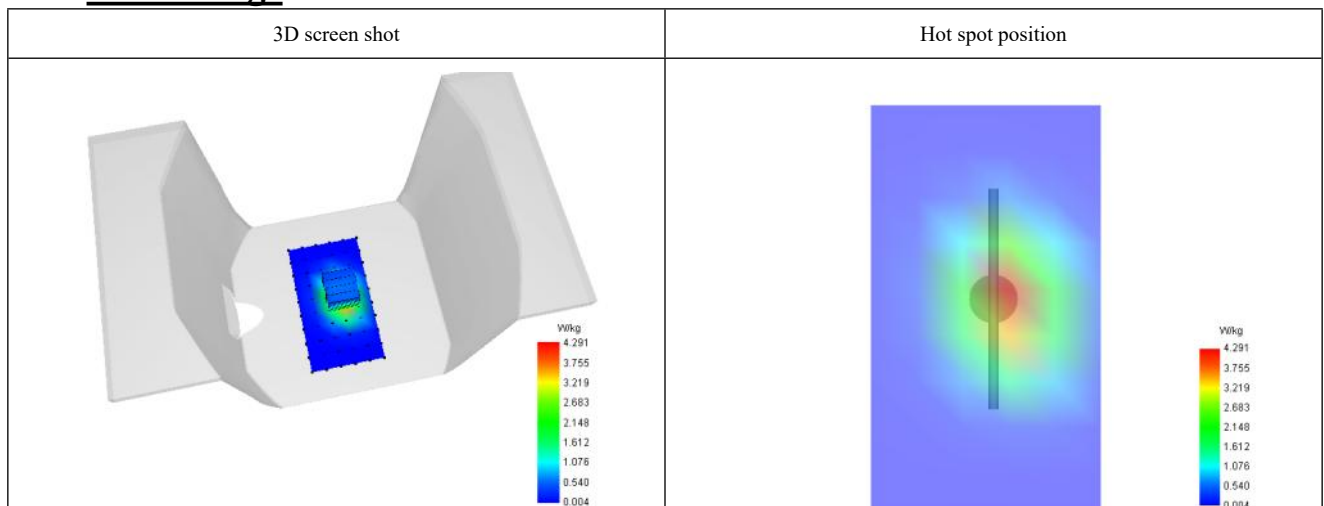
SAR 10g (W/Kg)	2.025
SAR 1g (W/Kg)	3.832
Variation (%)	0.180
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	65.811753

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	5.739	4.016	2.643	1.958	1.374	1.074	0.775



F. 3D Image



#3

Date of measurement: 13/4/2026

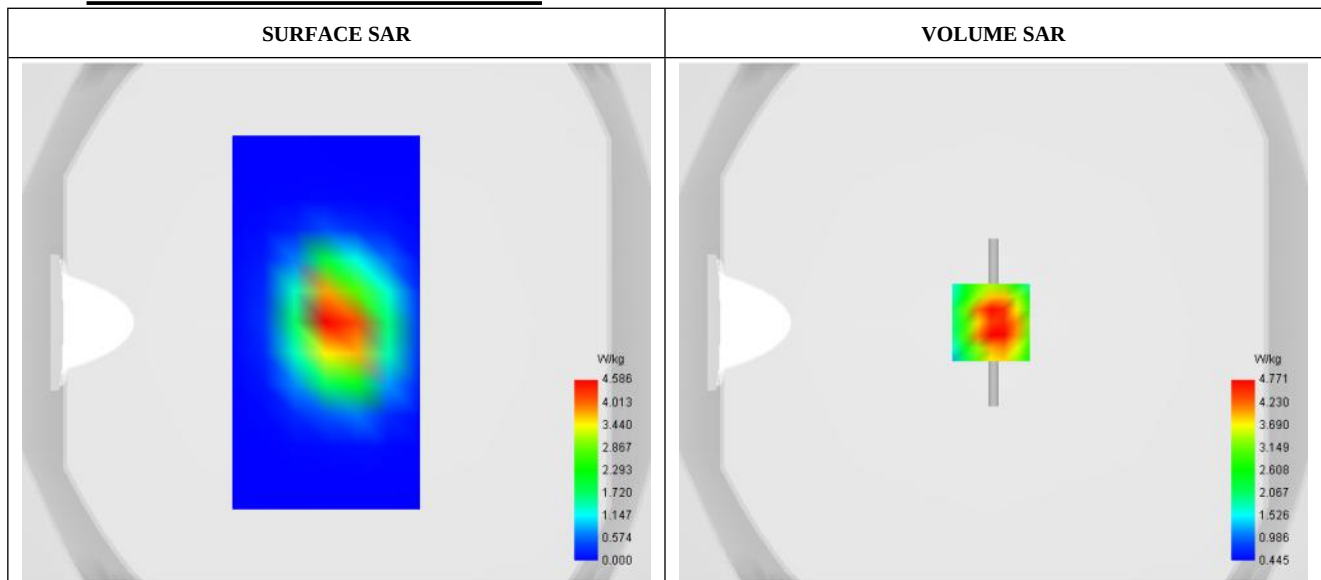
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.20
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	CW1900
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	1900.000
Relative permittivity (real part)	41.270
Relative permittivity (imaginary part)	12.700
Conductivity (S/m)	1.341

C. SAR Surface and Volume



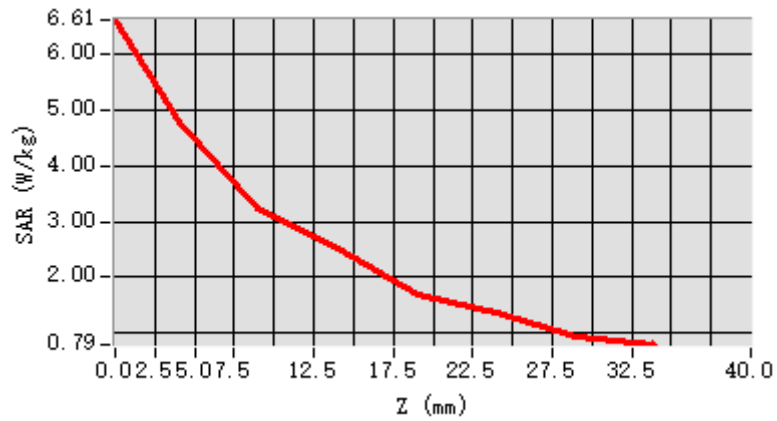
Maximum location: X=-1.00, Y=0.00 ; SAR Peak: 6.50 W/kg

D. SAR 1g & 10g

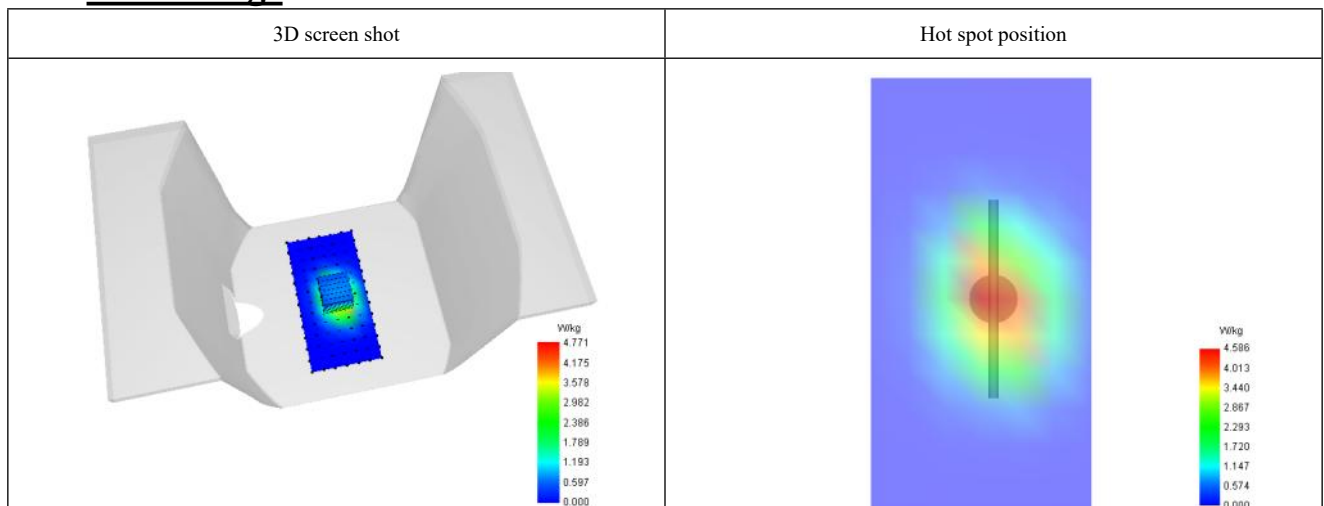
SAR 10g (W/Kg)	2.153
SAR 1g (W/Kg)	4.154
Variation (%)	1.300
Horizontal validation criteria: minimum distance (mm)	14.141203
Vertical validation criteria: SAR ratio M2/M1 (%)	67.966457

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.612	4.770	3.242	2.521	1.694	1.380	0.943



F. 3D Image



#4

Date of measurement: 14/4/2026

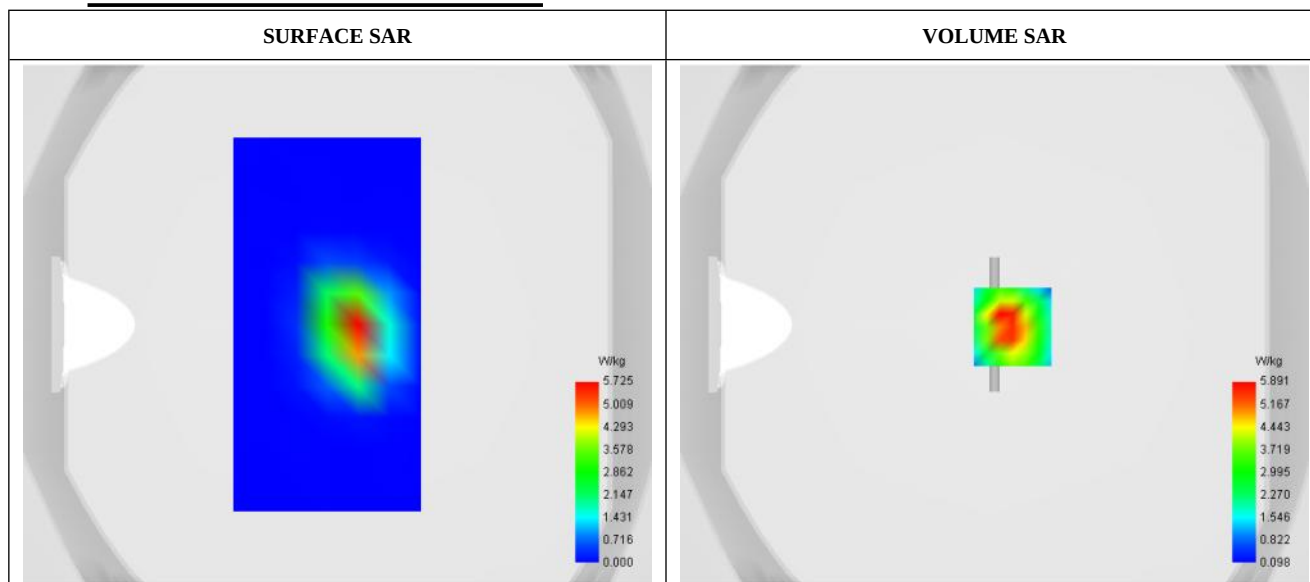
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.44
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
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	2450.000
Relative permittivity (real part)	41.040
Relative permittivity (imaginary part)	13.220
Conductivity (S/m)	1.799

C. SAR Surface and Volume



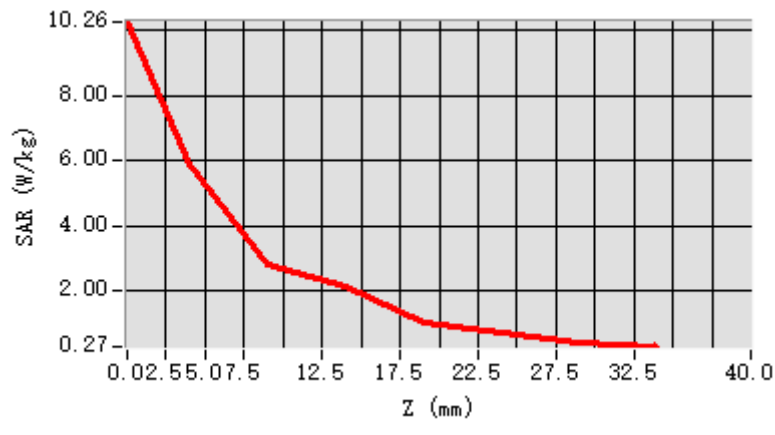
Maximum location: X=7.00, Y=-1.00 ; SAR Peak: 8.99 W/kg

D. SAR 1g & 10g

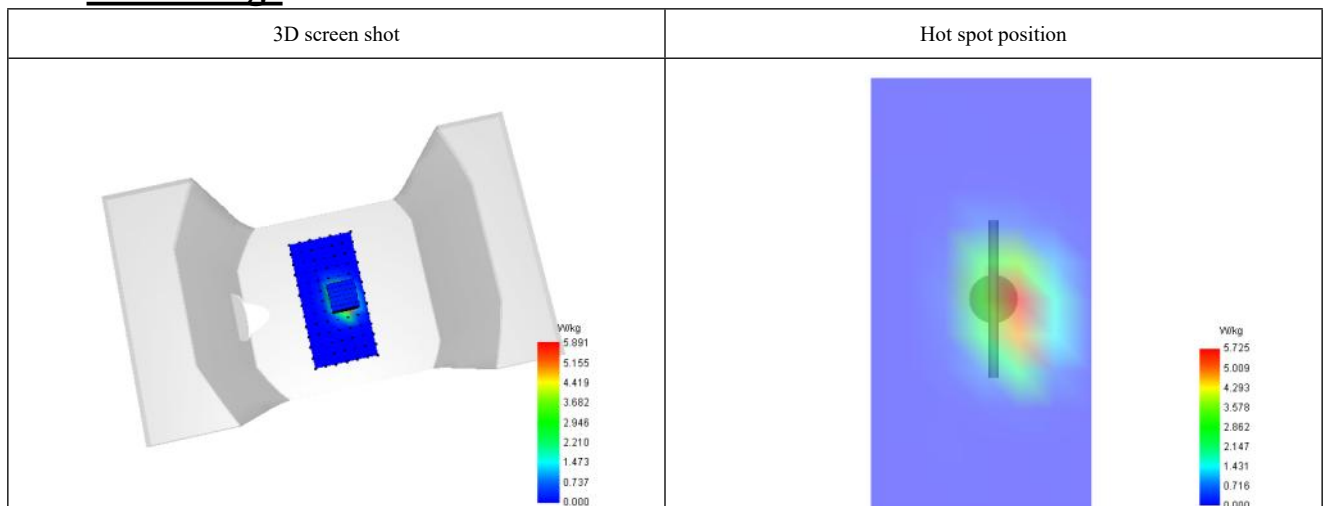
SAR 10g (W/Kg)	2.359
SAR 1g (W/Kg)	5.184
Variation (%)	-3.040
Horizontal validation criteria: minimum distance (mm)	10.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	47.564081

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	10.263	5.891	2.802	2.126	1.045	0.723	0.415



F. 3D Image



#5

Date of measurement: 12/4/2026

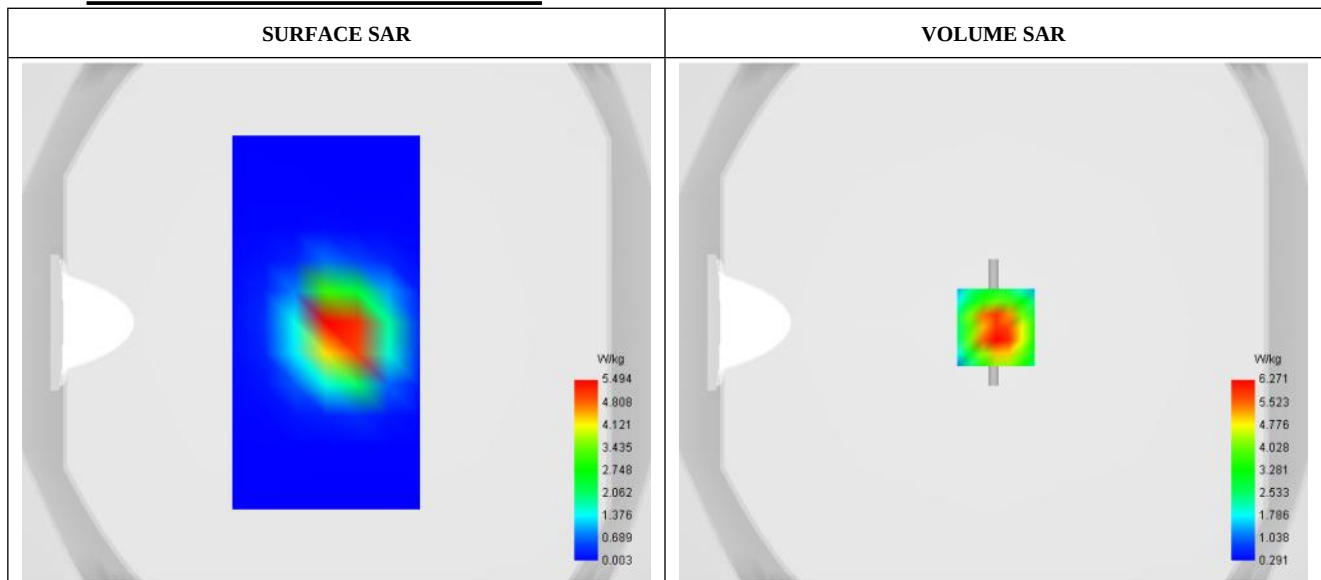
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.23
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
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	2600.000
Relative permittivity (real part)	39.000
Relative permittivity (imaginary part)	13.570
Conductivity (S/m)	1.960

C. SAR Surface and Volume



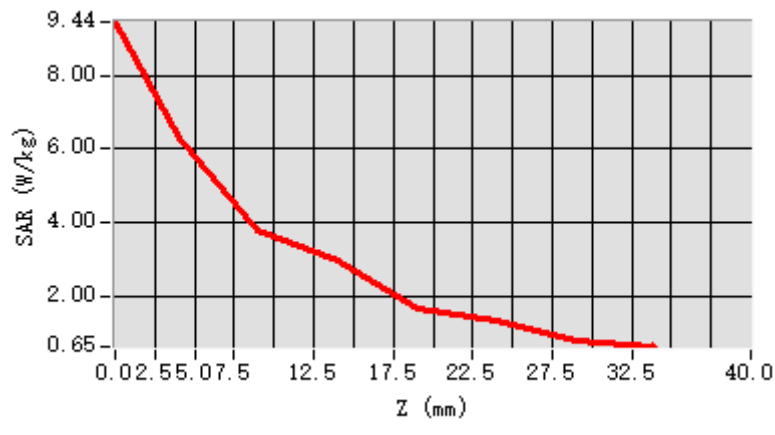
Maximum location: X=1.00, Y=-2.00 ; SAR Peak: 8.65 W/kg

D. SAR 1g & 10g

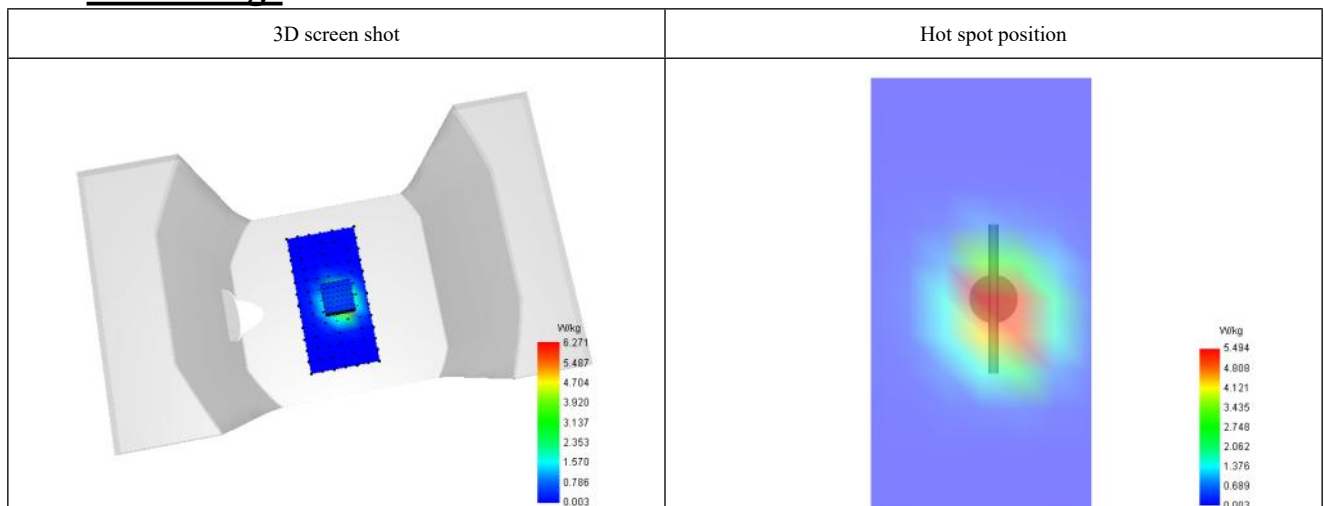
SAR 10g (W/Kg)	2.523
SAR 1g (W/Kg)	5.433
Variation (%)	-0.710
Horizontal validation criteria: minimum distance (mm)	11.180340
Vertical validation criteria: SAR ratio M2/M1 (%)	60.197736

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	9.444	6.271	3.775	2.988	1.706	1.361	0.819



F. 3D Image



#6

Date of measurement: 15/4/2026

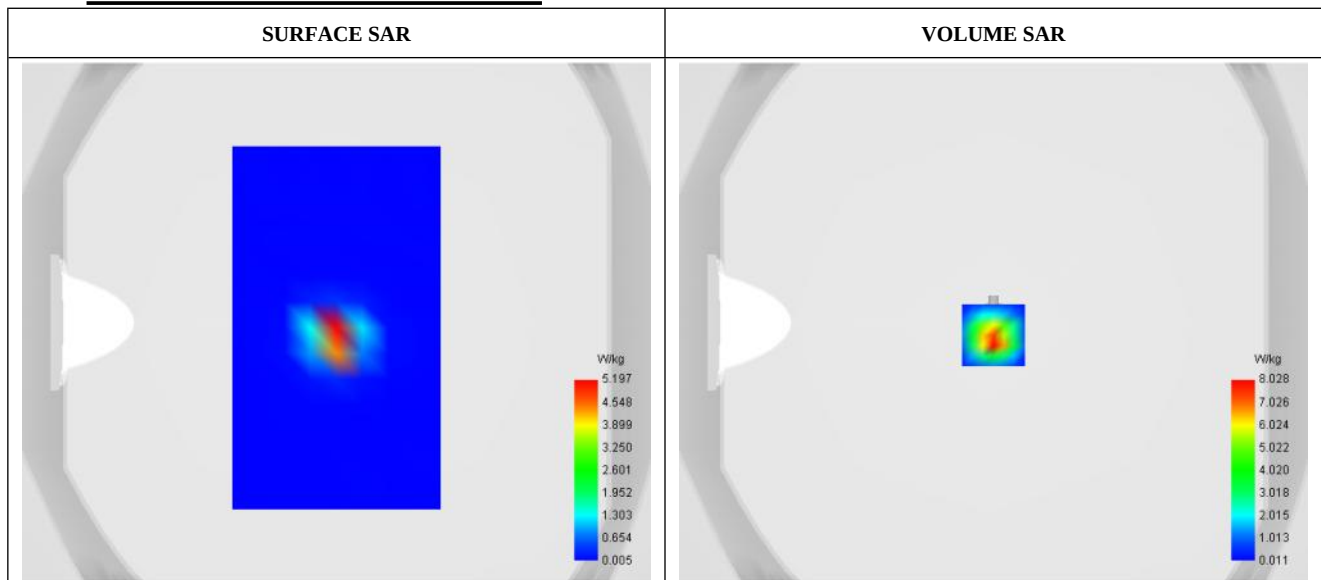
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	1.86
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	CW5200
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	5200.000
Relative permittivity (real part)	36.000
Relative permittivity (imaginary part)	16.130
Conductivity (S/m)	4.660

C. SAR Surface and Volume



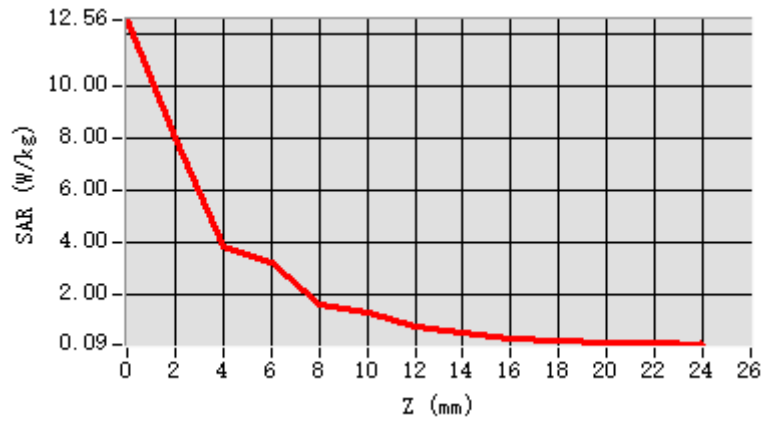
Maximum location: X=0.00, Y=-5.00 ; SAR Peak: 13.42 W/kg

D. SAR 1g & 10g

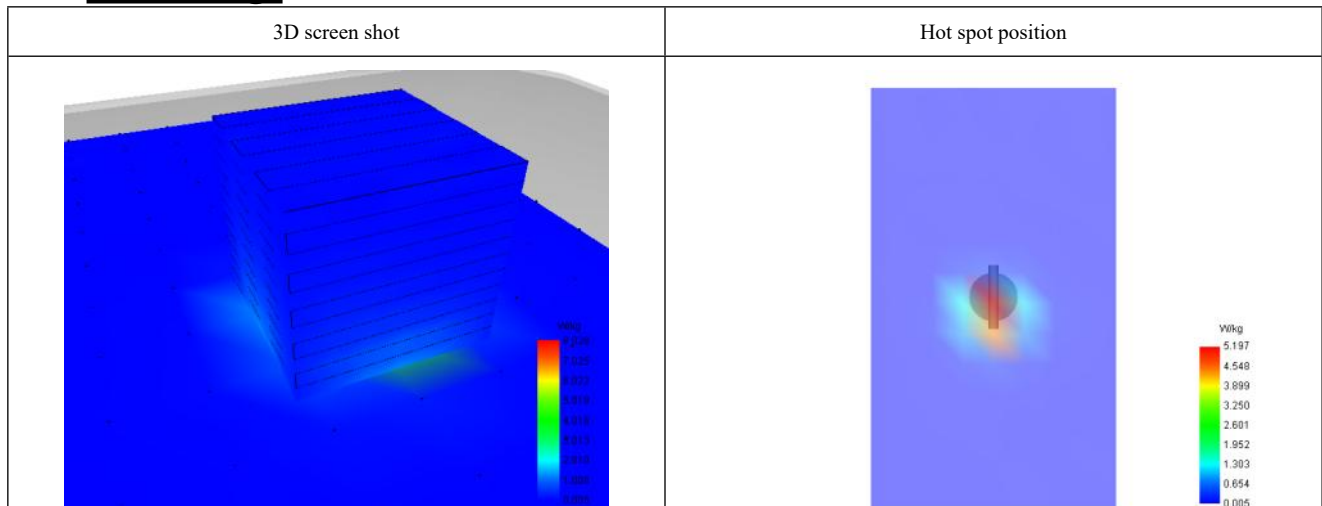
SAR 10g (W/Kg)	1.203
SAR 1g (W/Kg)	3.678
Variation (%)	4.620
Horizontal validation criteria: minimum distance (mm)	4.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	48.169909

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	12.564	8.028	3.867	3.214	1.625	1.324	0.785	0.581	0.314	0.263	0.145	0.126



F. 3D Image



#7

Date of measurement: 16/4/2026

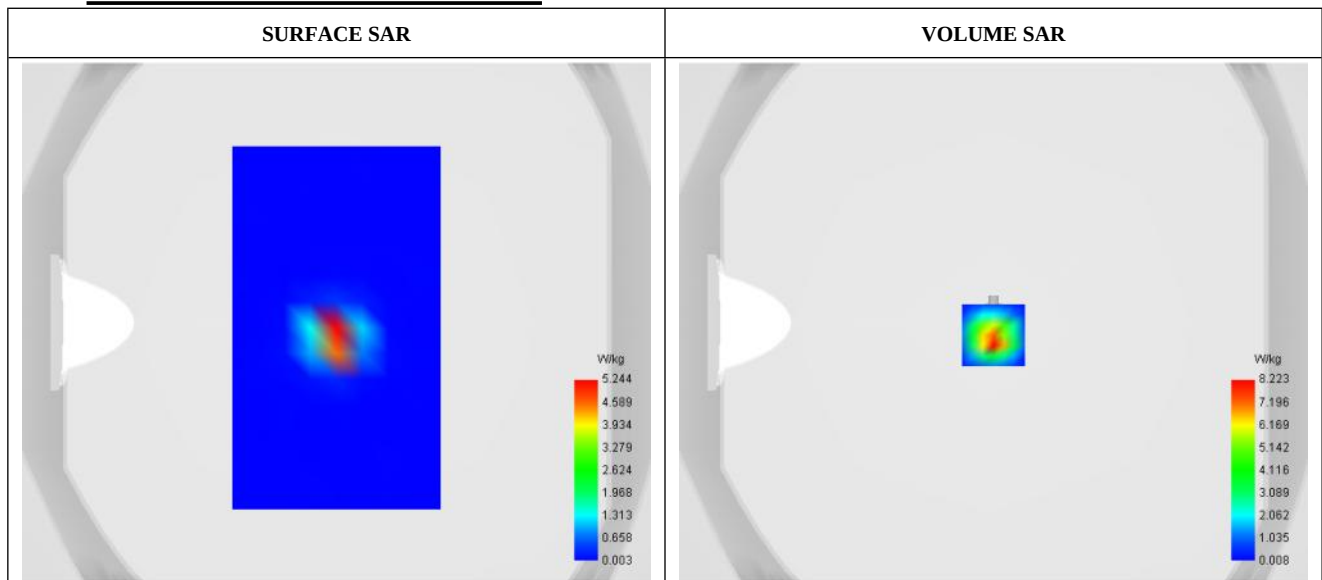
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	1.70
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	CW5800
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	5800.000
Relative permittivity (real part)	35.300
Relative permittivity (imaginary part)	16.360
Conductivity (S/m)	5.272

C. SAR Surface and Volume



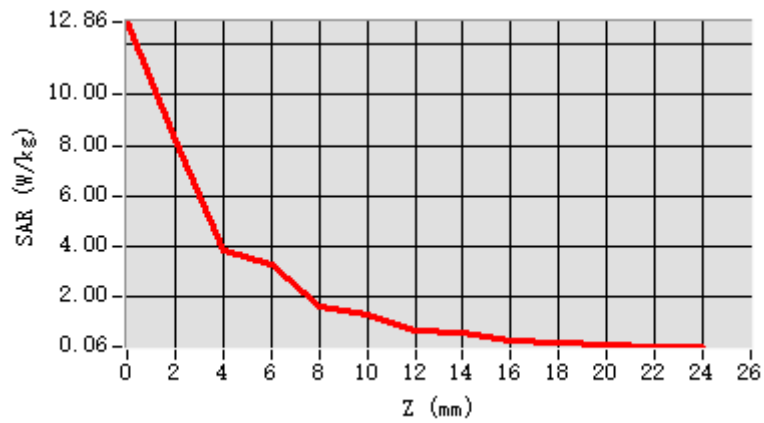
Maximum location: X=0.00, Y=-5.00 ; SAR Peak: 13.82 W/kg

D. SAR 1g & 10g

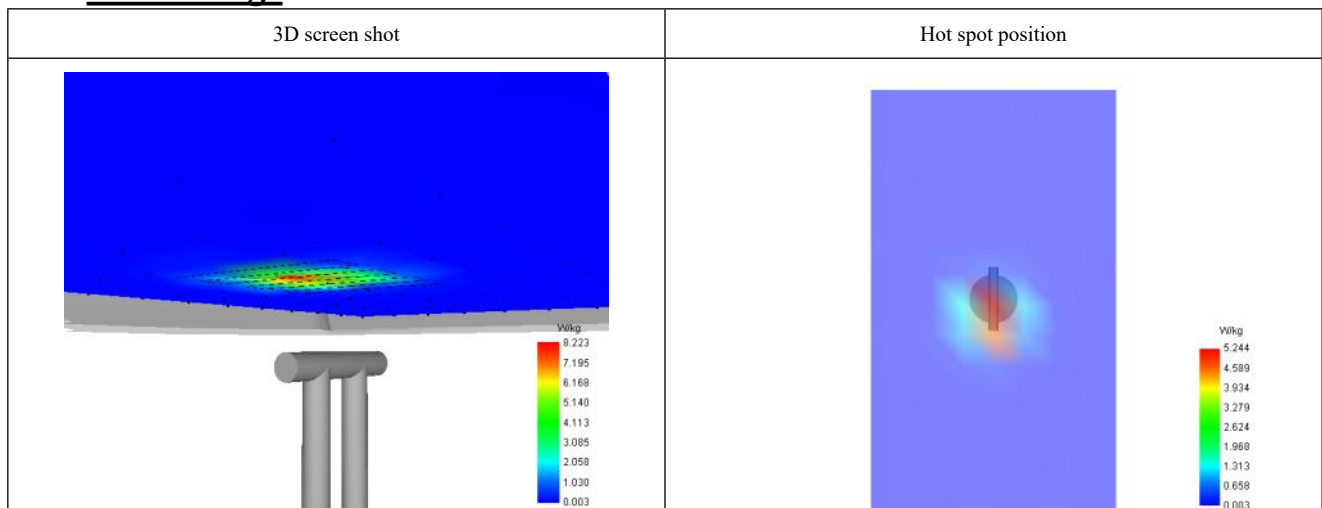
SAR 10g (W/Kg)	1.206
SAR 1g (W/Kg)	4.106
Variation (%)	1.050
Horizontal validation criteria: minimum distance (mm)	4.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	47.257692

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	12.863	8.223	3.886	3.302	1.611	1.337	0.671	0.582	0.287	0.232	0.129	0.083



F. 3D Image



Appendix C. SAR Test Plots

Table of contents
#1 GSM 850 Body
#2 GSM 1900 Body
#3 WCDMA Band 2 Body
#4 WCDMA Band 4 Body
#5 WCDMA Band 5 Body
#6 WALN 5.2G Body
#7 WALN 5.8G Body
#8 WALN 2.4G Body
#9 LTE Band 2 Body
#10 LTE Band 4 Body
#11 LTE Band 5 Body
#12 LTE Band 7 Body
#13 LTE Band 41 Body
#14 LTE Band 26 Body

#1

Date of measurement: 9/4/2026

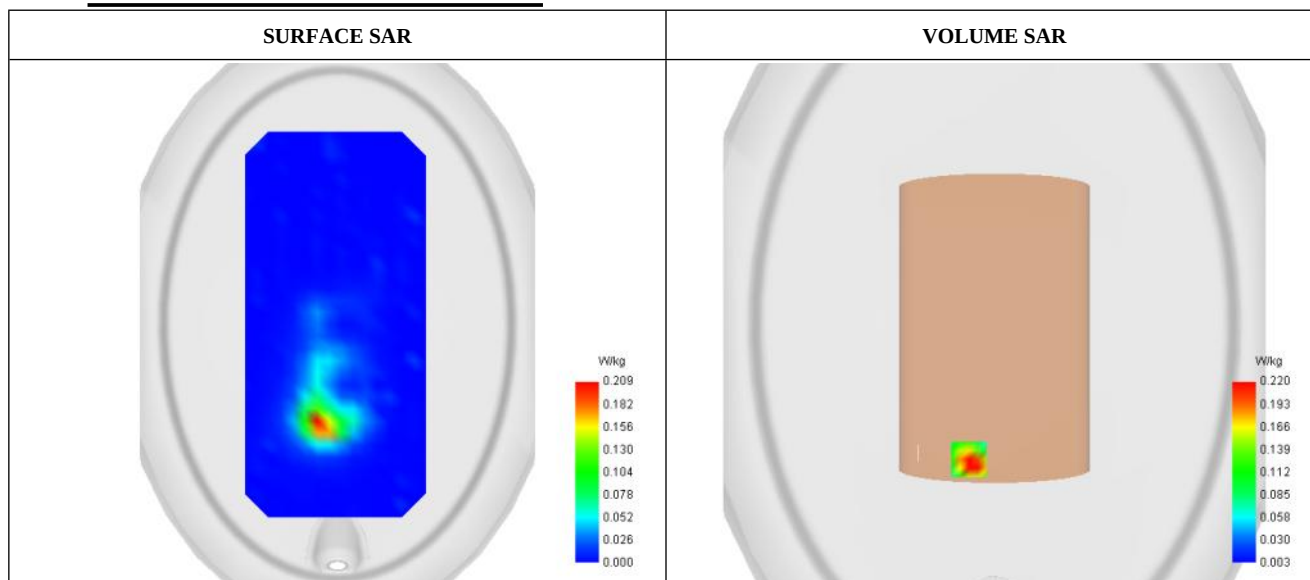
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.01
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	ELLI
Device Position	Body
Band	GSM850
Channels/Frequency	Middle (189)/ frequency 836.400 Mhz

B. Permittivity

Middle TX Frequency (MHz)	836.400
Relative permittivity (real part)	41.500
Relative permittivity (imaginary part)	19.400
Conductivity (S/m)	0.901

C. SAR Surface and Volume



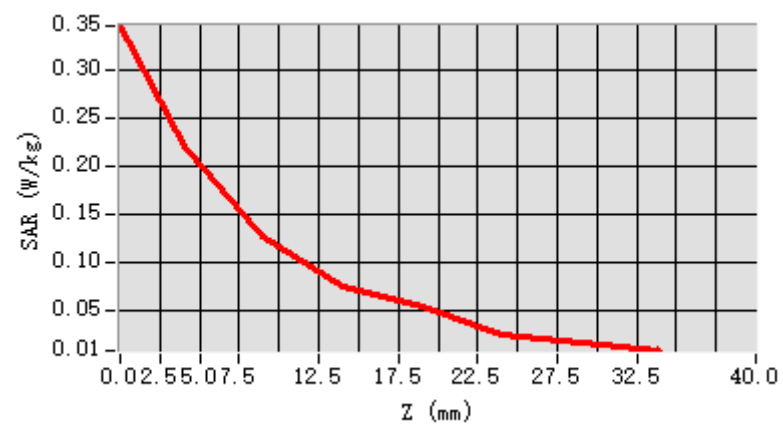
Maximum location: X=-23.00, Y=-122.00 ; SAR Peak: 0.34 W/kg

D. SAR 1g & 10g

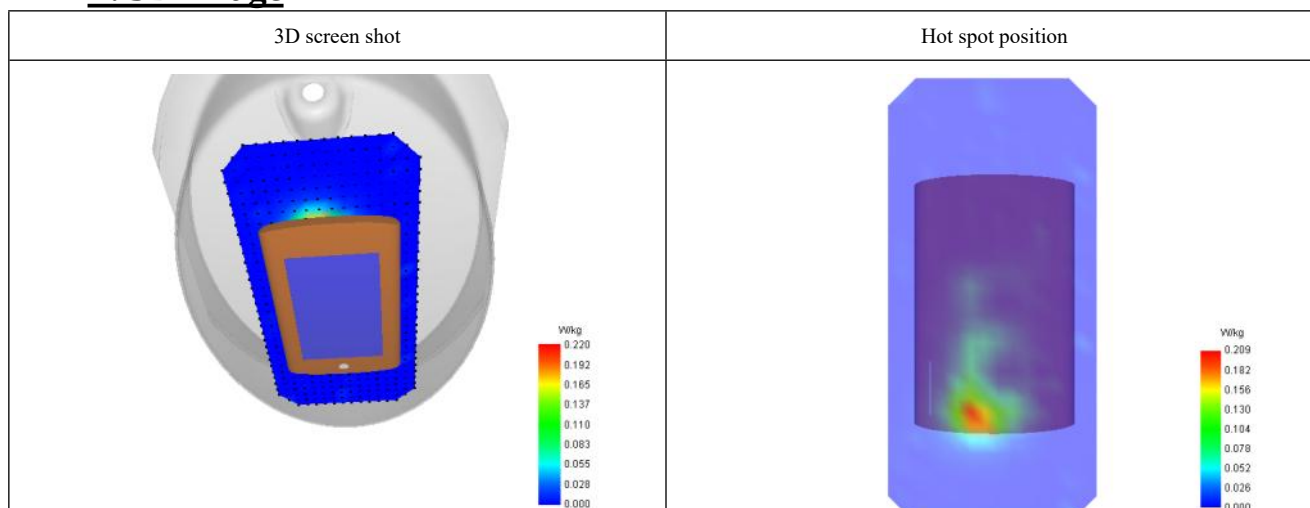
SAR 10g (W/Kg)	0.116
SAR 1g (W/Kg)	0.215
Variation (%)	-0.430
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	58.181818

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.346	0.220	0.128	0.074	0.053	0.025	0.015



F. 3D Image



#2

Date of measurement: 13/4/2026

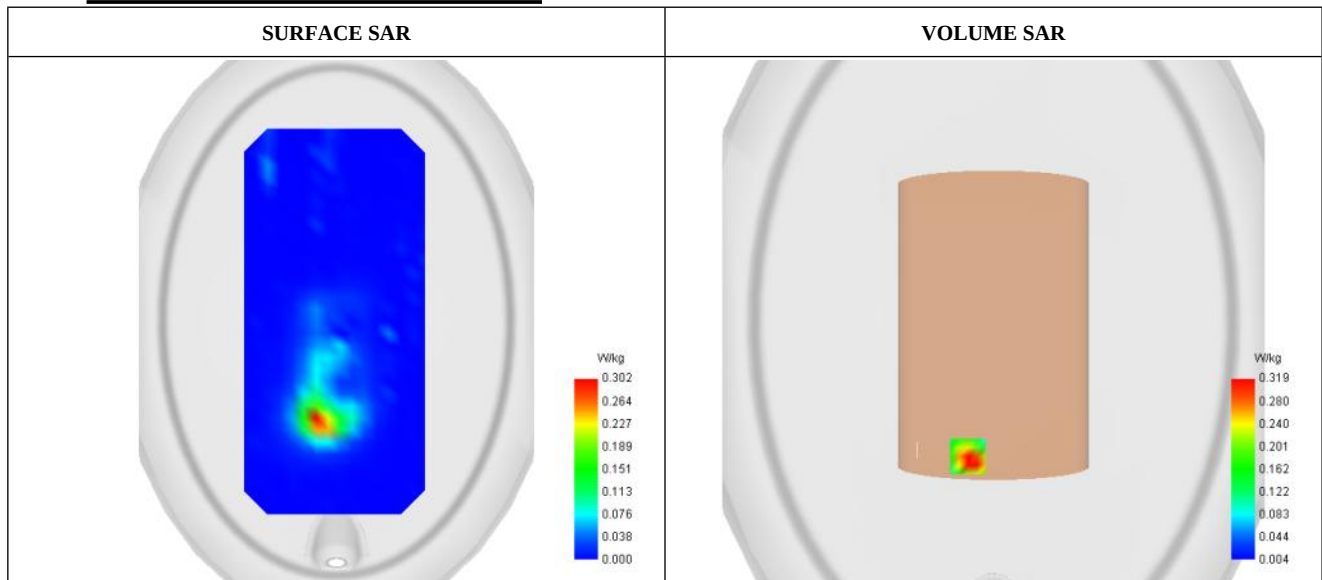
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.20
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	ELLI
Device Position	Body
Band	GSM1900
Channels/Frequency	Middle (661)/ frequency 1880.000 Mhz

B. Permittivity

Middle TX Frequency (MHz)	1880.000
Relative permittivity (real part)	40.000
Relative permittivity (imaginary part)	13.408
Conductivity (S/m)	1.400

C. SAR Surface and Volume



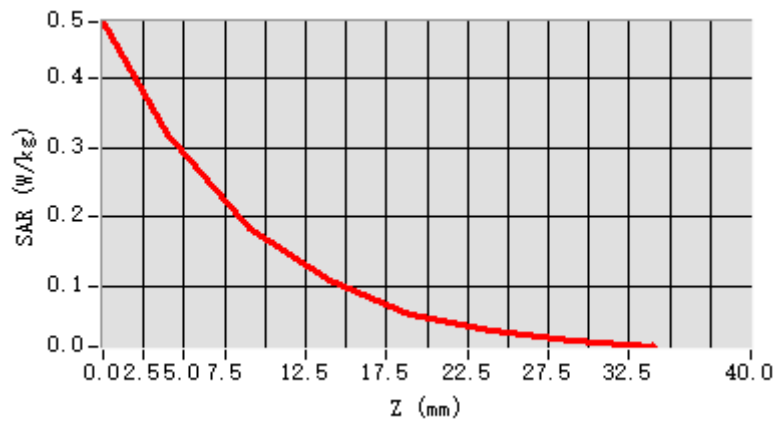
Maximum location: X=-23.00, Y=-122.00 ; SAR Peak: 0.52 W/kg

D. SAR 1g & 10g

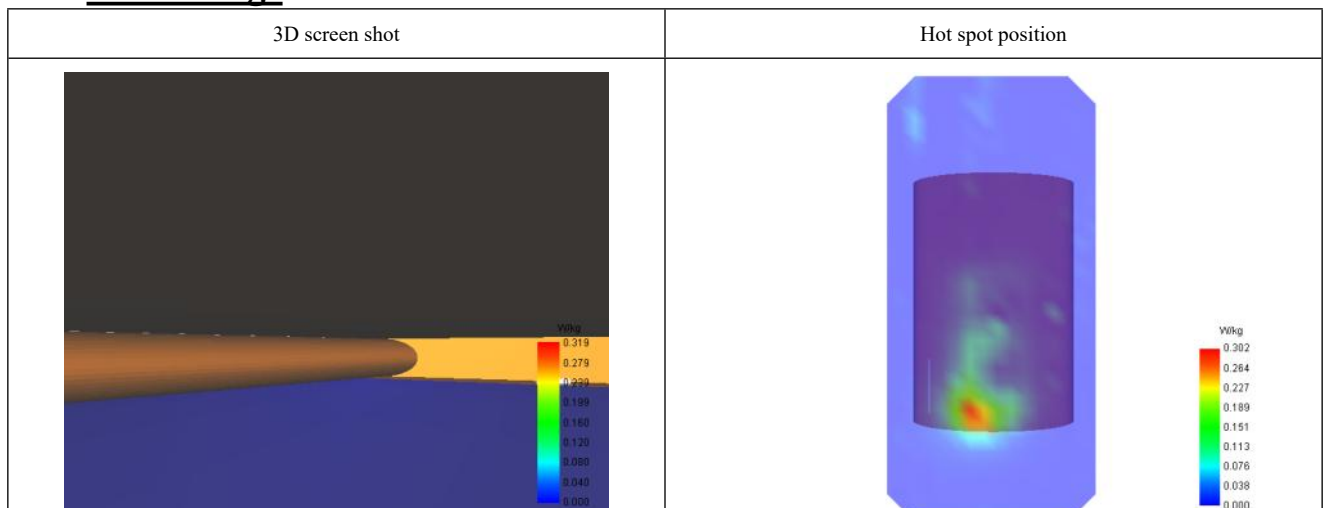
SAR 10g (W/Kg)	0.168
SAR 1g (W/Kg)	0.315
Variation (%)	2.750
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	57.053292

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.482	0.319	0.182	0.108	0.057	0.036	0.021



F. 3D Image



#3

Date of measurement: 13/4/2026

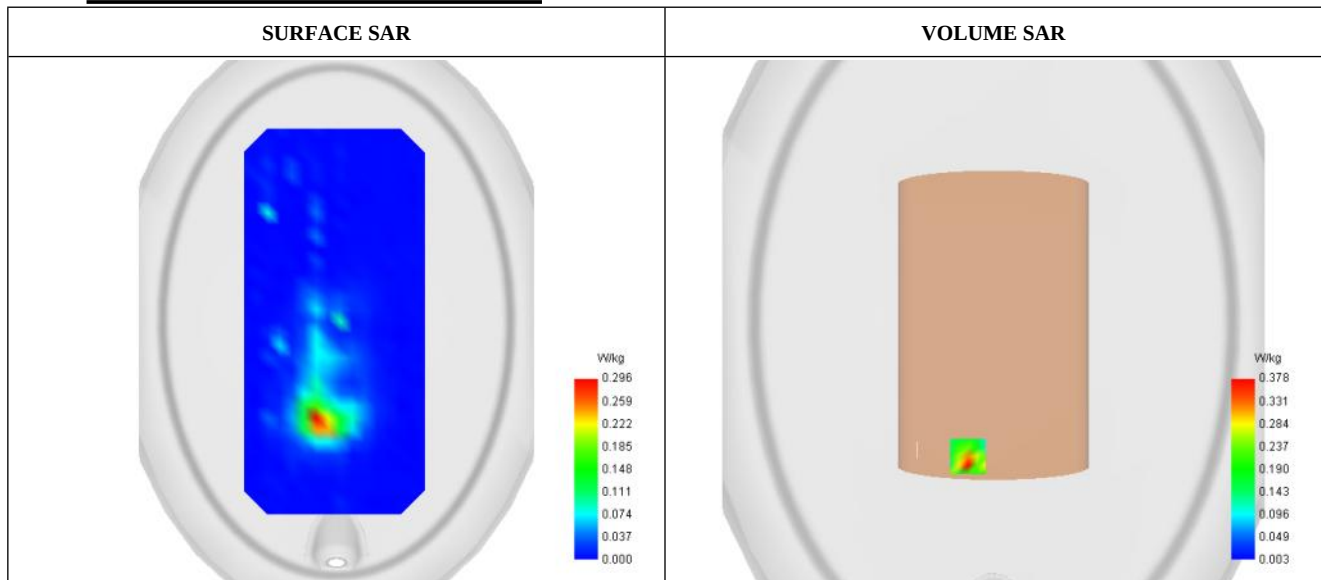
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.20
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	ELLI
Device Position	Body
Band	Band 2 (1900)
Channels/Frequency	Middle (9400)/ frequency 1880.000 Mhz

B. Permittivity

Middle TX Frequency (MHz)	1880.000
Relative permittivity (real part)	40.000
Relative permittivity (imaginary part)	13.408
Conductivity (S/m)	1.400

C. SAR Surface and Volume



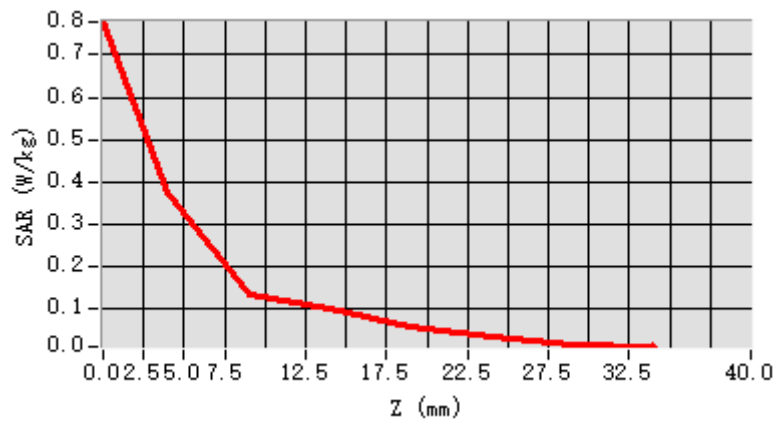
Maximum location: X=-23.00, Y=-122.00 ; SAR Peak: 0.71 W/kg

D. SAR 1g & 10g

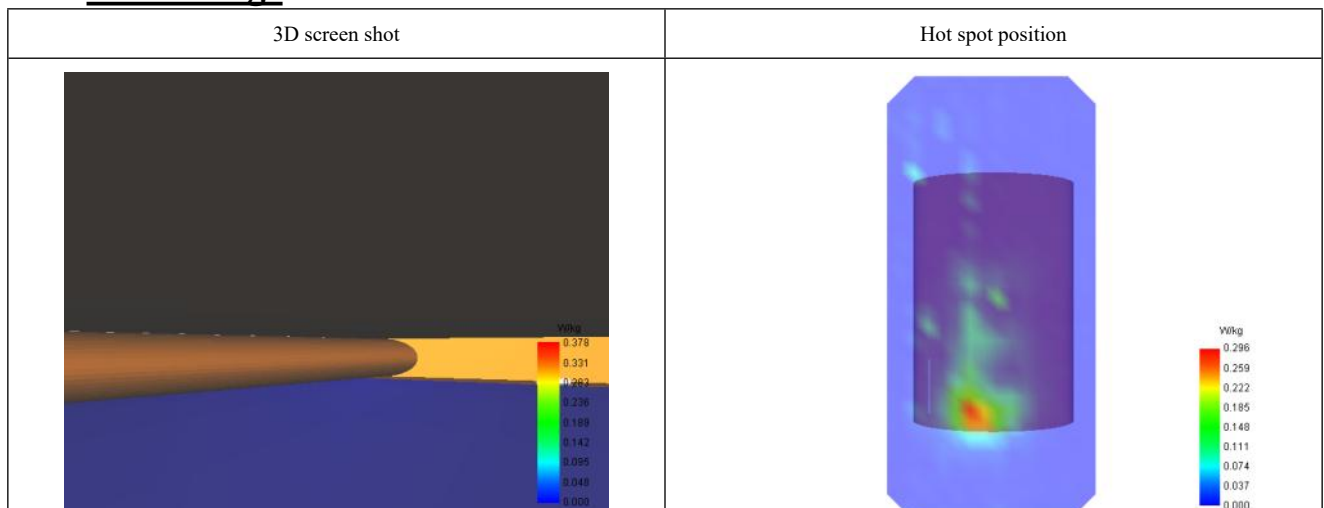
SAR 10g (W/Kg)	0.161
SAR 1g (W/Kg)	0.351
Variation (%)	3.310
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	35.978836

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.778	0.378	0.136	0.104	0.057	0.036	0.017



F. 3D Image



#4

Date of measurement: 10/4/2026

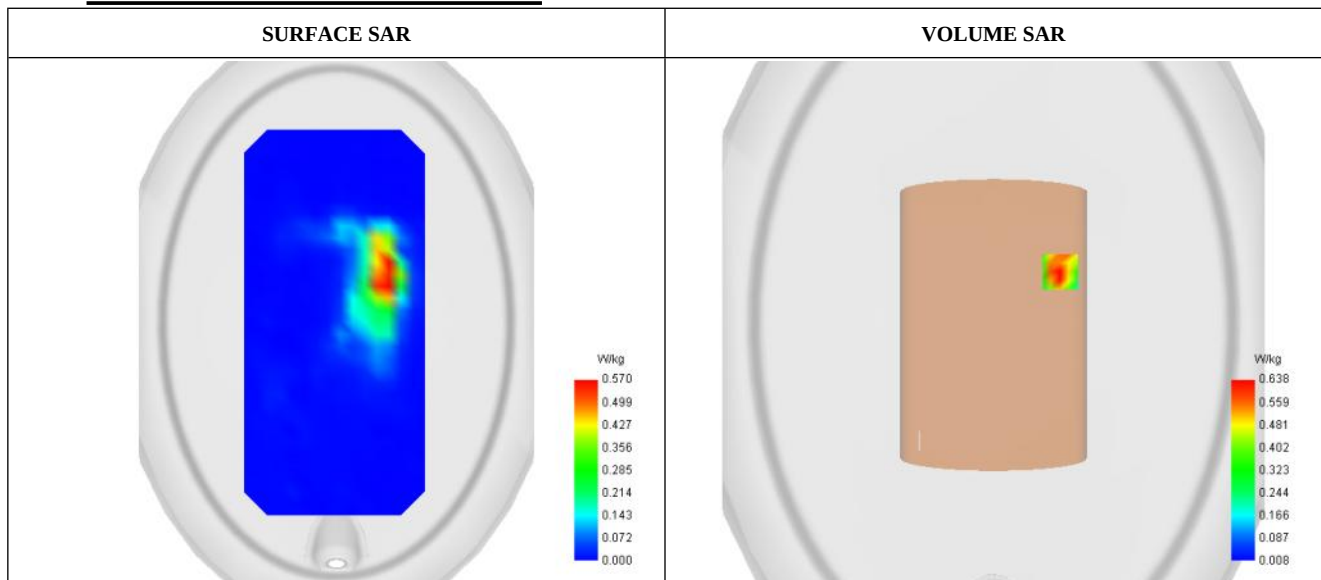
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.01
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	ELLI
Device Position	Body
Band	Band 4 (1700)
Channels/Frequency	Middle (1413)/ frequency 1732.600 Mhz

B. Permittivity

Middle TX Frequency (MHz)	1732.600
Relative permittivity (real part)	40.116
Relative permittivity (imaginary part)	14.136
Conductivity (S/m)	1.361

C. SAR Surface and Volume



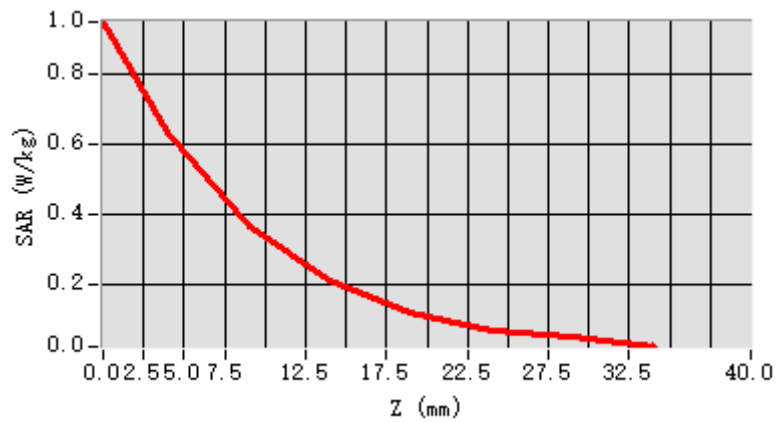
Maximum location: X=60.00, Y=46.00 ; SAR Peak: 0.98 W/kg

D. SAR 1g & 10g

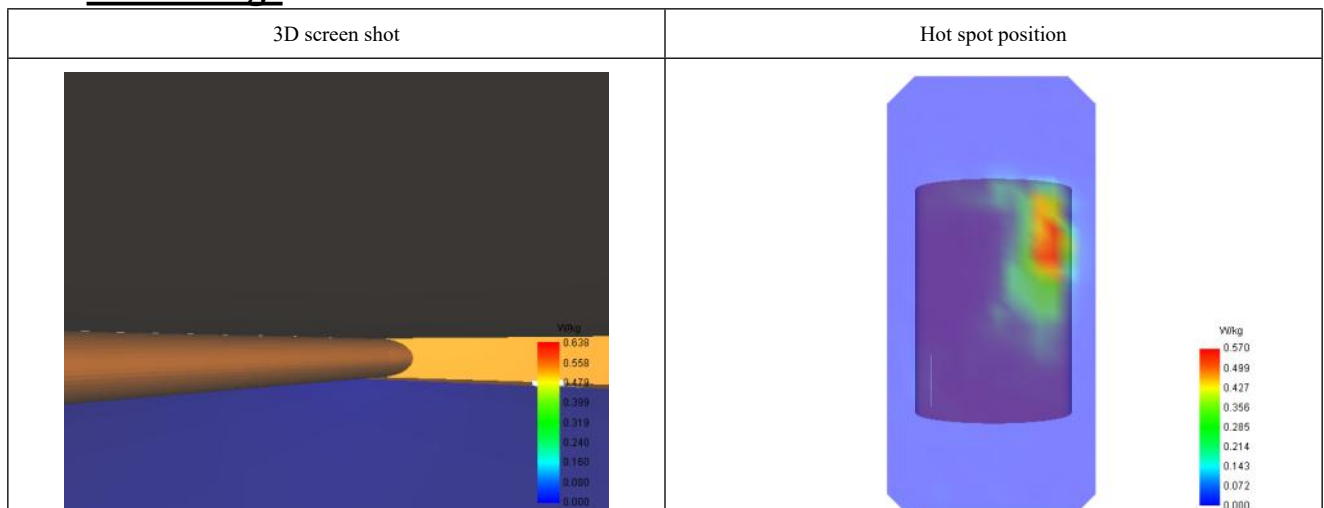
SAR 10g (W/Kg)	0.323
SAR 1g (W/Kg)	0.605
Variation (%)	1.020
Horizontal validation criteria: minimum distance (mm)	17.865512
Vertical validation criteria: SAR ratio M2/M1 (%)	57.680251

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.950	0.638	0.368	0.210	0.120	0.068	0.052



F. 3D Image



#5

Date of measurement: 9/4/2026

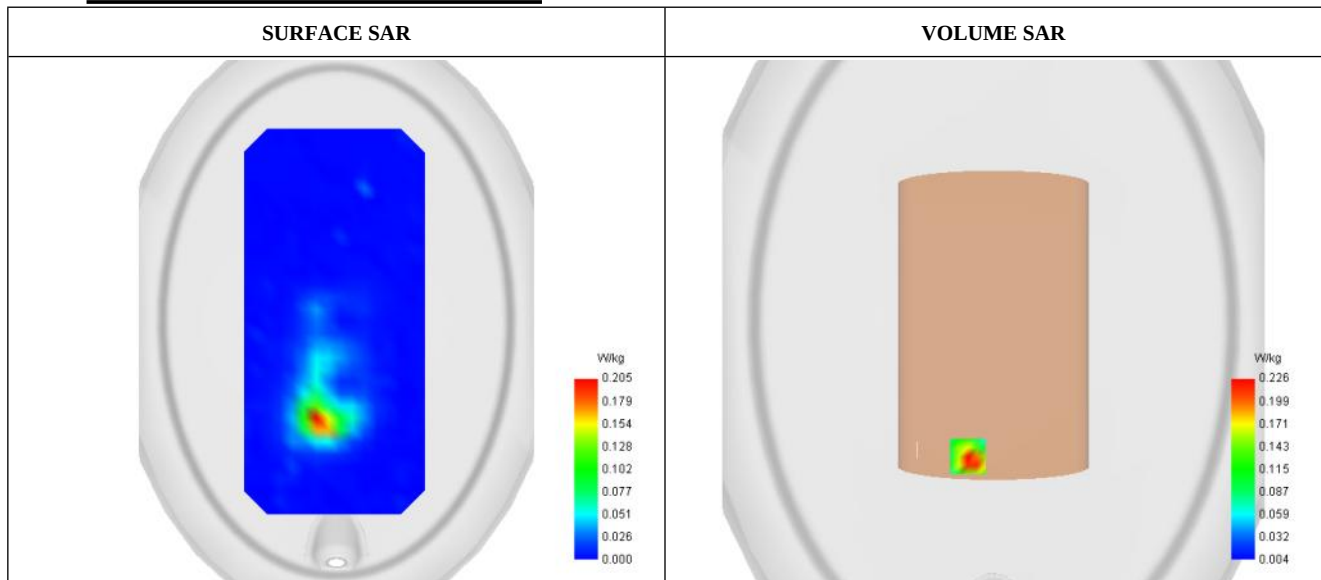
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.01
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	ELLI
Device Position	Body
Band	Band 5 (850)
Channels/Frequency	Middle (4182)/ frequency 836.400 Mhz

B. Permittivity

Middle TX Frequency (MHz)	836.400
Relative permittivity (real part)	41.500
Relative permittivity (imaginary part)	19.400
Conductivity (S/m)	0.901

C. SAR Surface and Volume



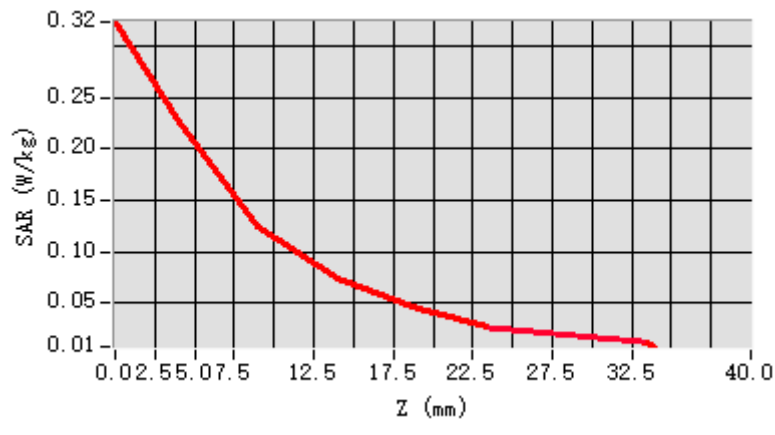
Maximum location: X=-23.00, Y=-122.00 ; SAR Peak: 0.35 W/kg

D. SAR 1g & 10g

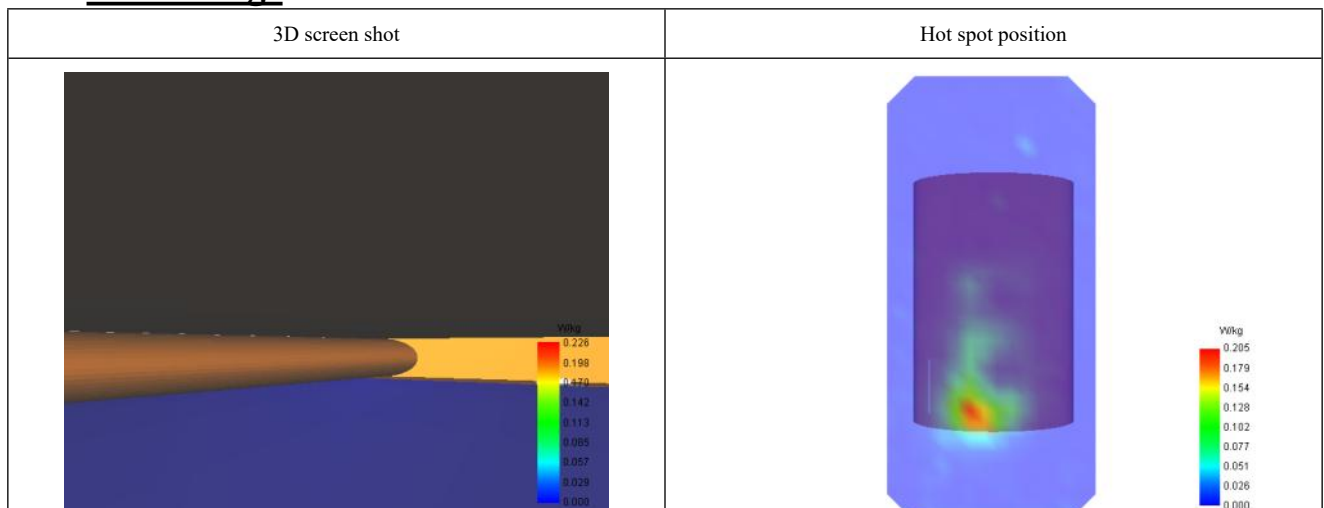
SAR 10g (W/Kg)	0.115
SAR 1g (W/Kg)	0.215
Variation (%)	-1.720
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.309735

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.324	0.226	0.125	0.073	0.045	0.024	0.040



F. 3D Image



#6

Date of measurement: 15/4/2026

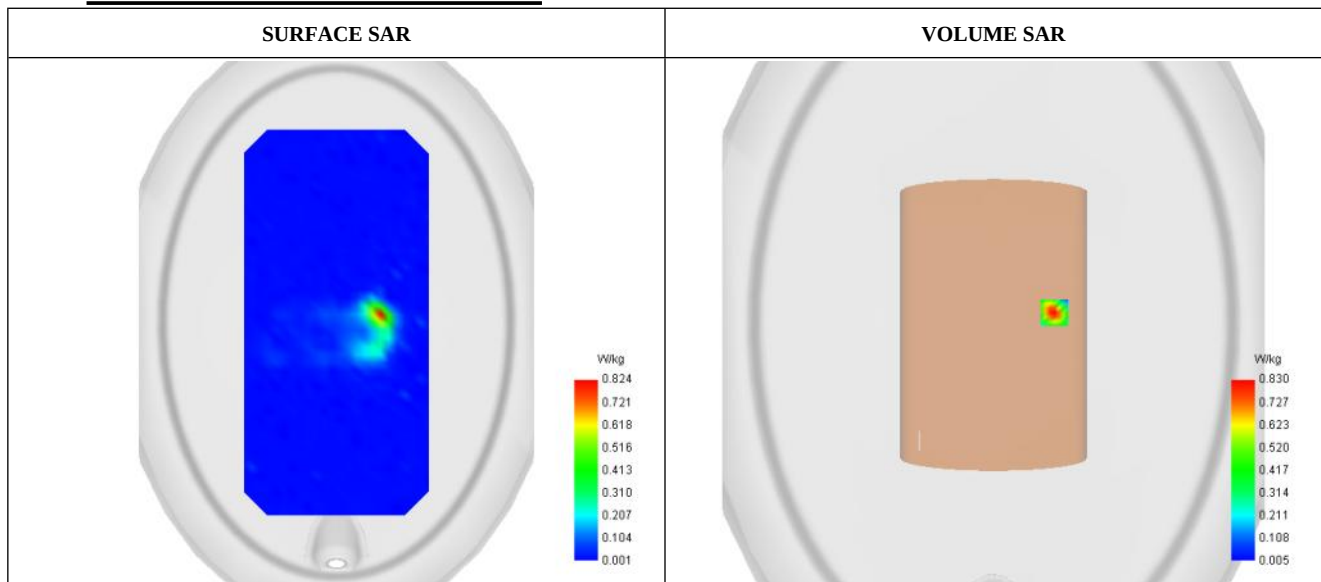
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	1.86
Area Scan	dx=10mm dy=10mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete
Phantom	ELLI
Device Position	Body
Band	U-NII-1
Channels/Frequency	Low (38)/ frequency 5190.000 Mhz

B. Permittivity

Middle TX Frequency (MHz)	5190.000
Relative permittivity (real part)	36.000
Relative permittivity (imaginary part)	16.130
Conductivity (S/m)	4.651

C. SAR Surface and Volume



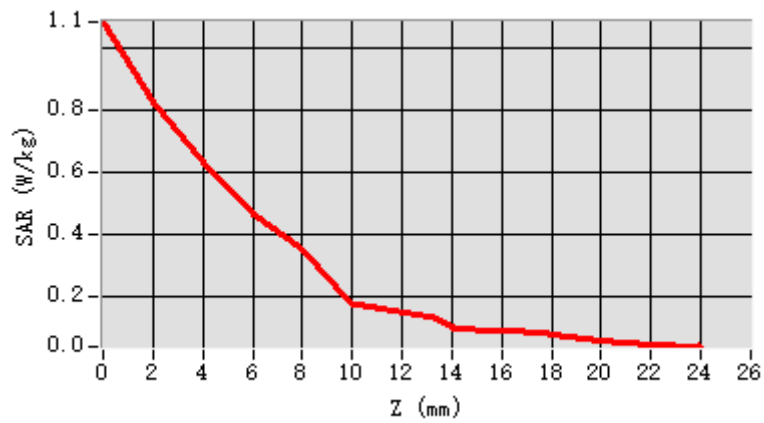
Maximum location: X=55.00, Y=9.00 ; SAR Peak: 1.09 W/kg

D. SAR 1g & 10g

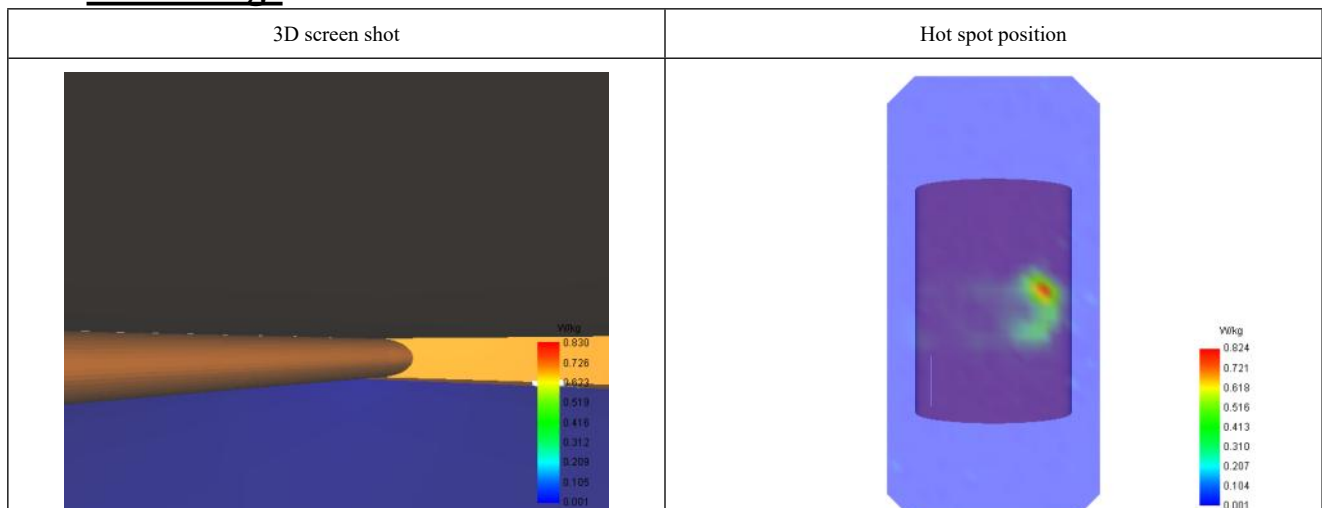
SAR 10g (W/Kg)	0.241
SAR 1g (W/Kg)	0.561
Variation (%)	2.200
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	76.385542

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.084	0.830	0.634	0.466	0.359	0.178	0.191	0.107	0.132	0.077	0.059	0.049



F. 3D Image



#7

Date of measurement: 16/4/2026

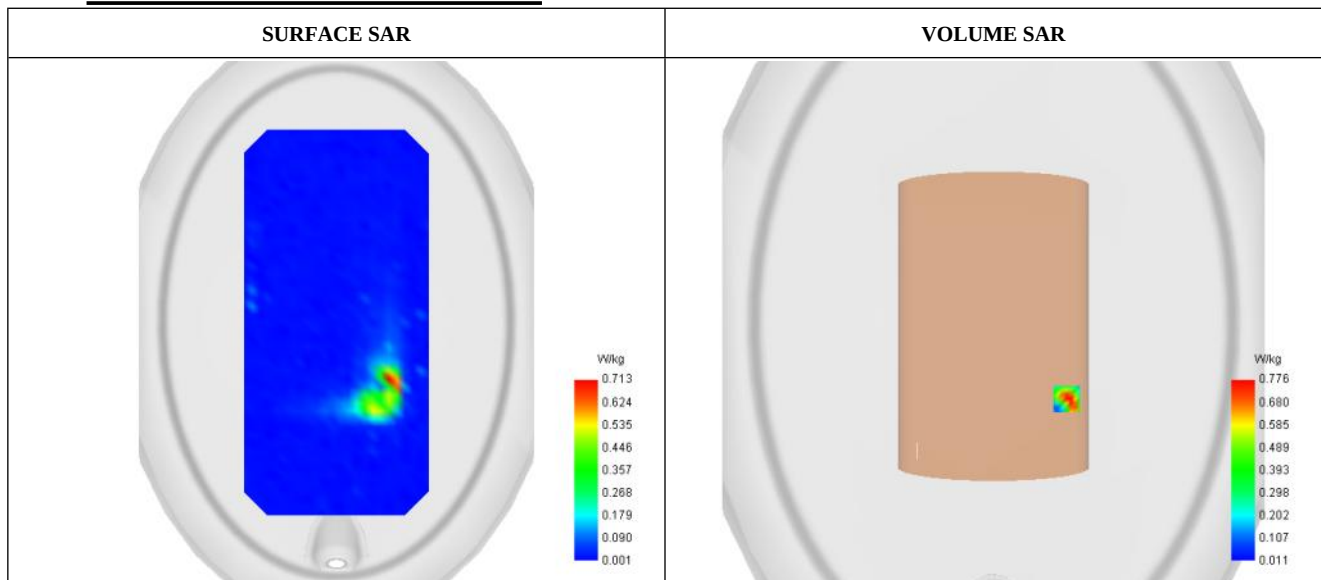
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	1.70
Area Scan	dx=10mm dy=10mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete
Phantom	ELLI
Device Position	Body
Band	U-NII-3
Channels/Frequency	Low (151)/ frequency 5755.000 Mhz

B. Permittivity

Middle TX Frequency (MHz)	5755.000
Relative permittivity (real part)	35.315
Relative permittivity (imaginary part)	16.355
Conductivity (S/m)	5.229

C. SAR Surface and Volume



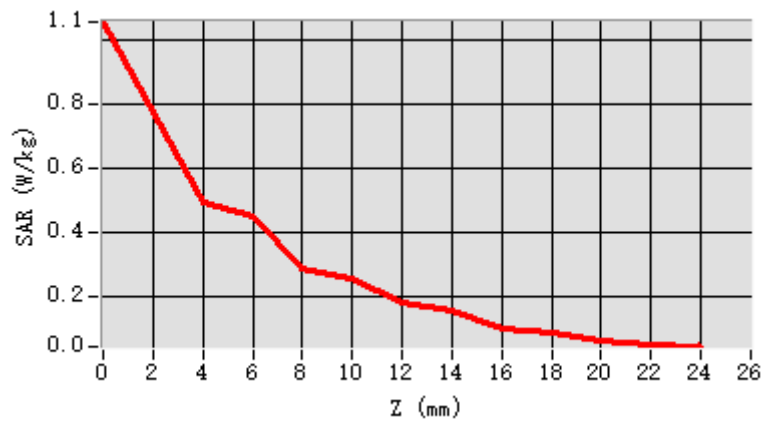
Maximum location: X=66.00, Y=-69.00 ; SAR Peak: 1.05 W/kg

D. SAR 1g & 10g

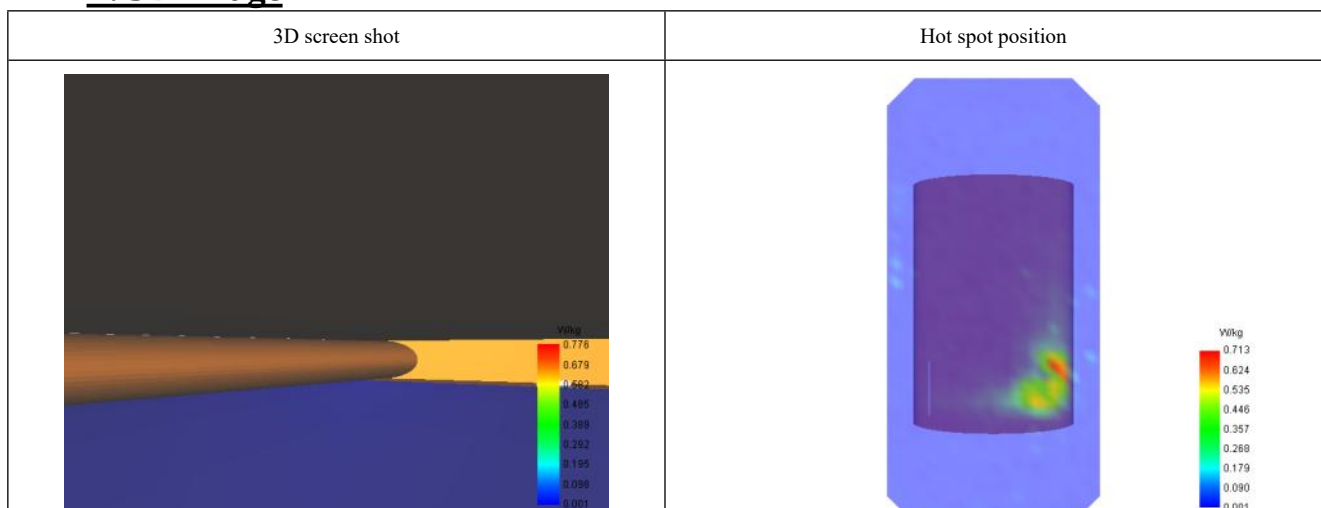
SAR 10g (W/Kg)	0.194
SAR 1g (W/Kg)	0.499
Variation (%)	0.510
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	63.788660

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.058	0.776	0.495	0.452	0.288	0.252	0.176	0.151	0.100	0.085	0.057	0.045



F. 3D Image



#8

Date of measurement: 14/4/2026

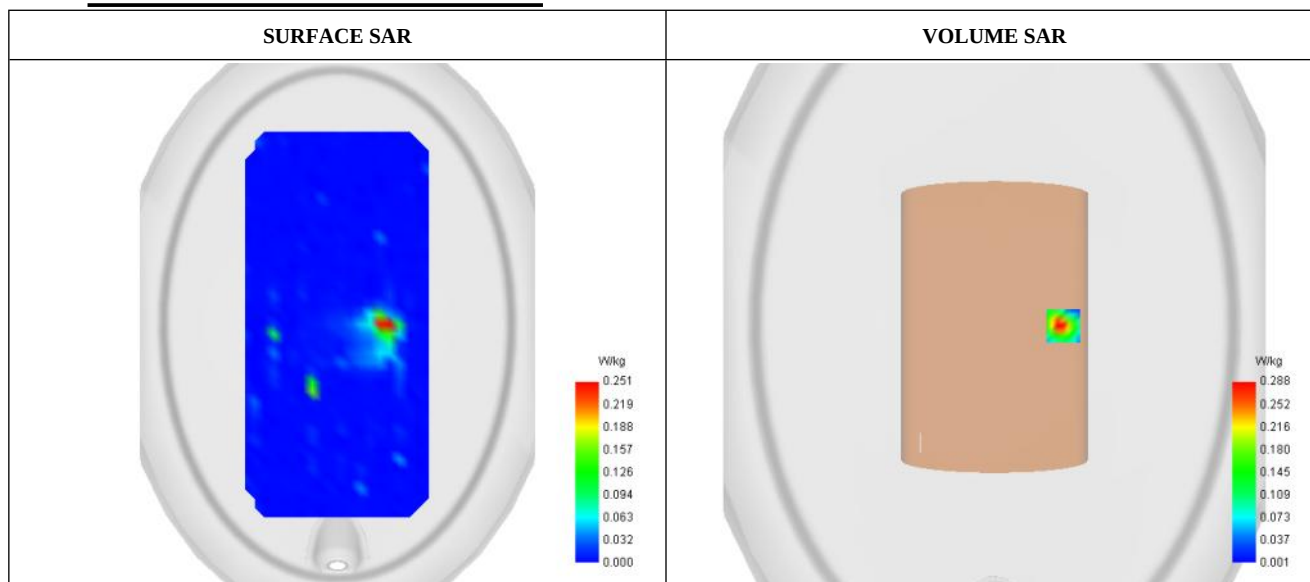
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.44
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	ELLI
Device Position	Body
Band	ISM
Channels/Frequency	Middle (6)/ frequency 2437.000 Mhz

B. Permittivity

Middle TX Frequency (MHz)	2437.000
Relative permittivity (real part)	39.214
Relative permittivity (imaginary part)	13.210
Conductivity (S/m)	1.788

C. SAR Surface and Volume



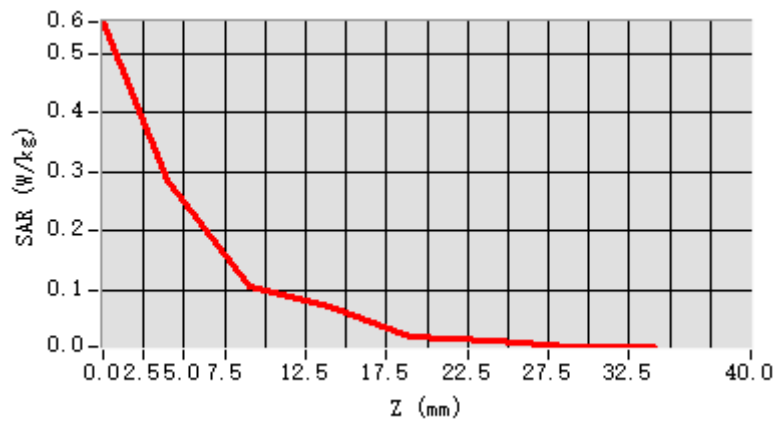
Maximum location: X=62.00, Y=-1.00 ; SAR Peak: 0.50 W/kg

D. SAR 1g & 10g

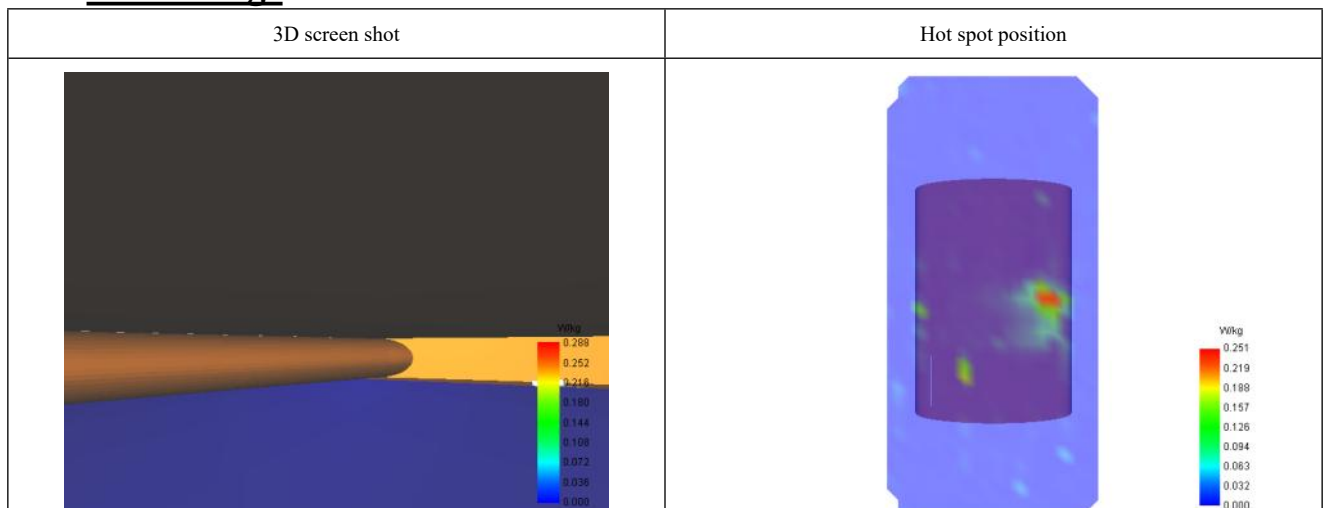
SAR 10g (W/Kg)	0.113
SAR 1g (W/Kg)	0.266
Variation (%)	0.480
Horizontal validation criteria: minimum distance (mm)	11.180340
Vertical validation criteria: SAR ratio M2/M1 (%)	37.152778

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.554	0.288	0.107	0.071	0.022	0.017	0.007



F. 3D Image



#9

Date of measurement: 13/4/2026

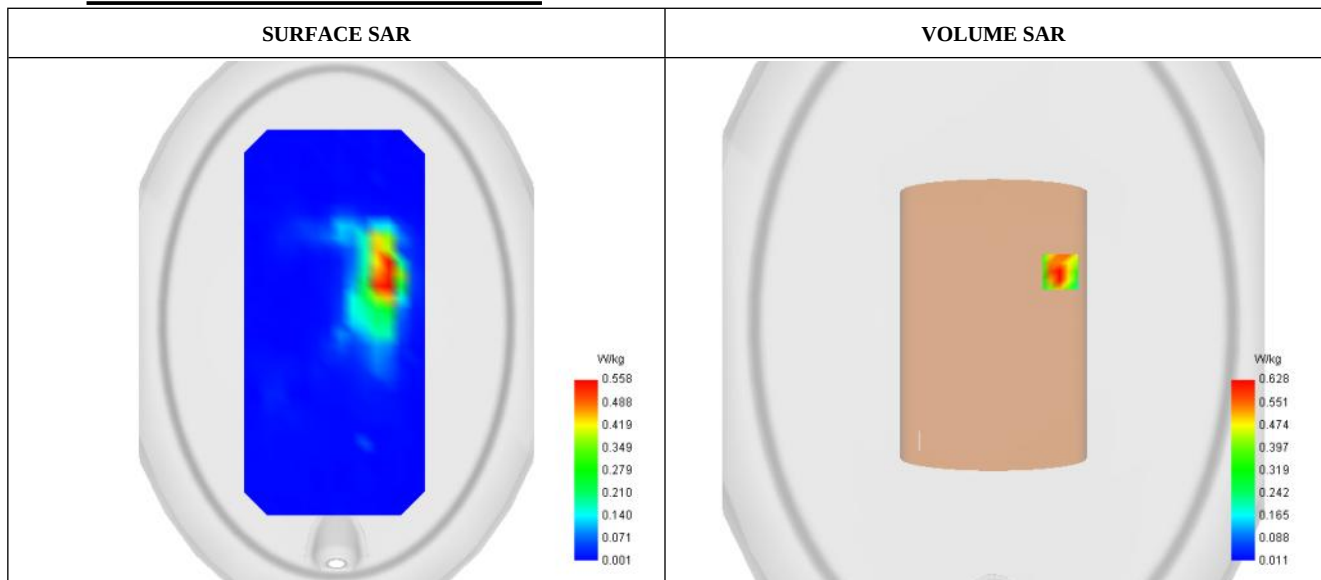
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.20
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	ELLI
Device Position	Body
Band	LTE band 2
Channels/Frequency	Middle (18900)/ frequency 1880.000 Mhz

B. Permittivity

Middle TX Frequency (MHz)	1880.000
Relative permittivity (real part)	40.000
Relative permittivity (imaginary part)	13.455
Conductivity (S/m)	1.404

C. SAR Surface and Volume



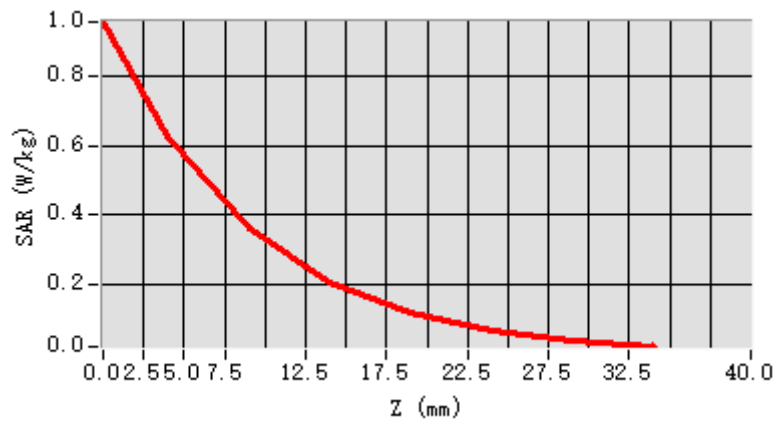
Maximum location: X=60.00, Y=46.00 ; SAR Peak: 0.98 W/kg

D. SAR 1g & 10g

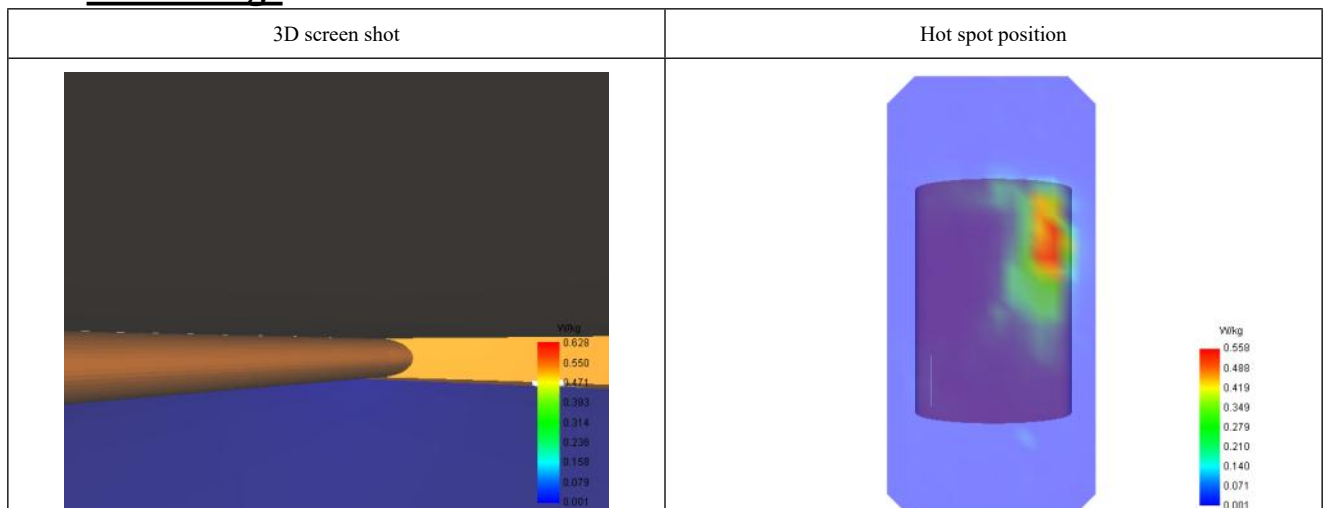
SAR 10g (W/Kg)	0.328
SAR 1g (W/Kg)	0.608
Variation (%)	0.310
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	57.484076

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.956	0.628	0.361	0.206	0.118	0.066	0.038



F. 3D Image



#10

Date of measurement: 10/4/2026

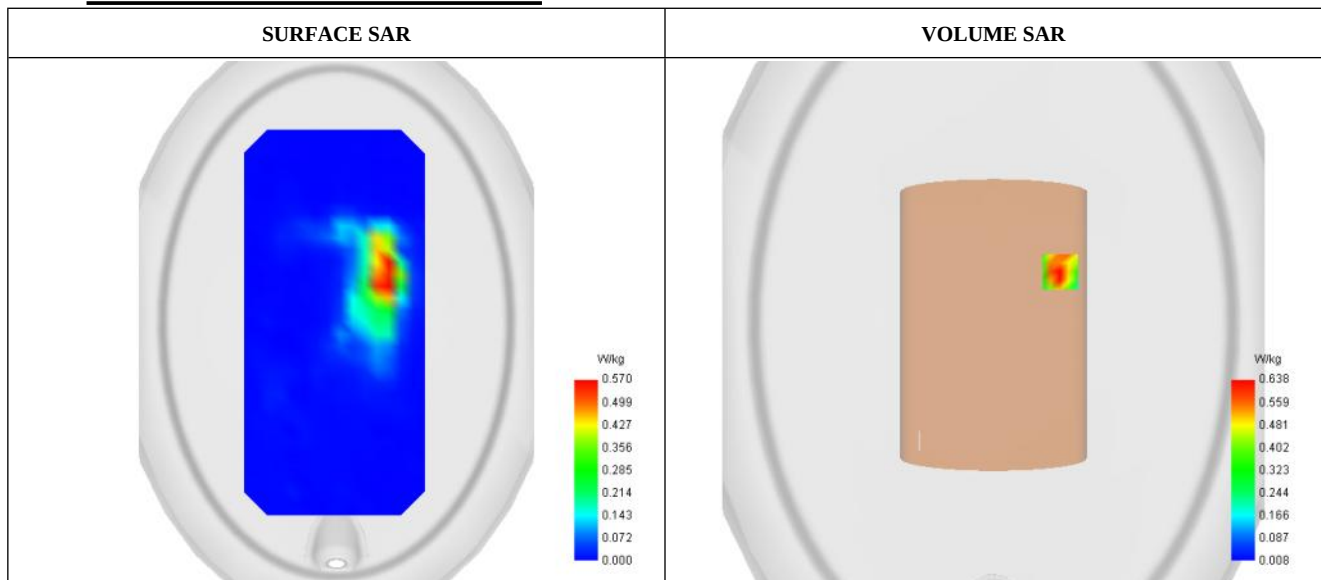
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.01
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	ELLI
Device Position	Body
Band	LTE band 4
Channels/Frequency	Middle (20175)/ frequency 1732.500 Mhz

B. Permittivity

Middle TX Frequency (MHz)	1732.500
Relative permittivity (real part)	40.122
Relative permittivity (imaginary part)	14.153
Conductivity (S/m)	1.362

C. SAR Surface and Volume



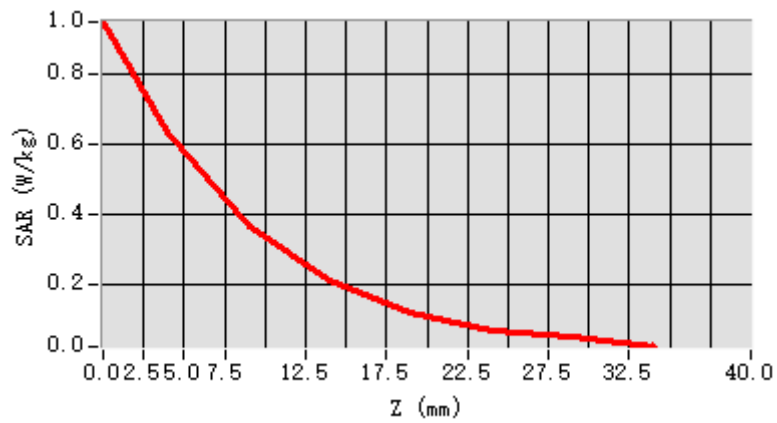
Maximum location: X=60.00, Y=46.00 ; SAR Peak: 0.98 W/kg

D. SAR 1g & 10g

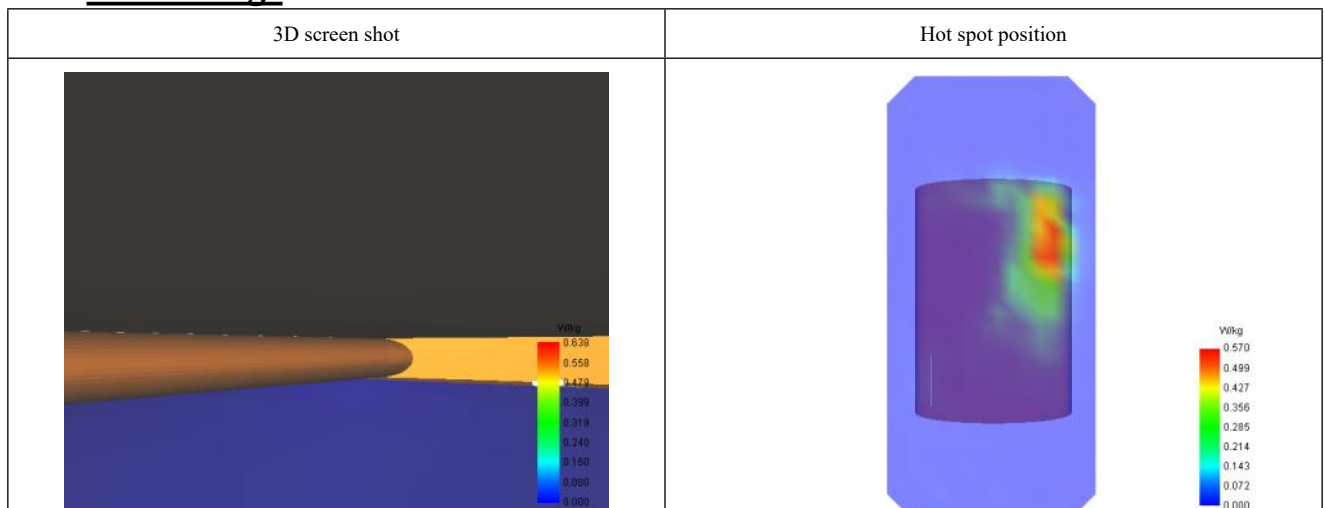
SAR 10g (W/Kg)	0.332
SAR 1g (W/Kg)	0.611
Variation (%)	3.380
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	57.680251

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.950	0.638	0.368	0.210	0.120	0.068	0.052



F. 3D Image



#11

Date of measurement: 9/4/2026

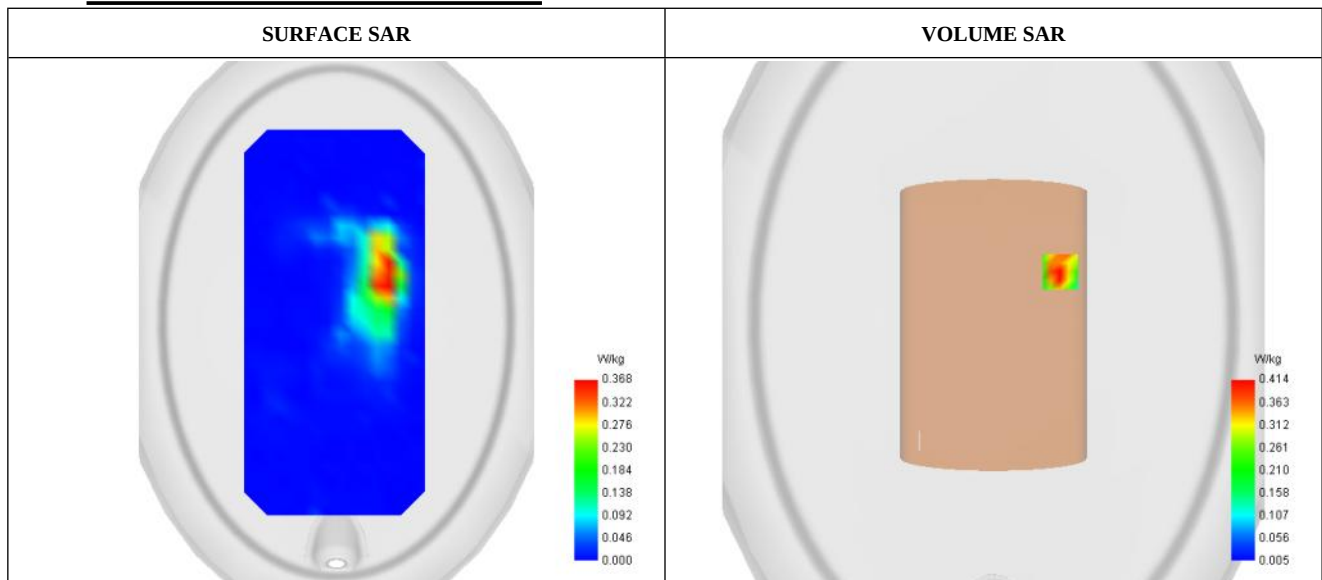
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.01
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	ELLI
Device Position	Body
Band	LTE band 5
Channels/Frequency	Middle (20525)/ frequency 836.500 Mhz

B. Permittivity

Middle TX Frequency (MHz)	836.500
Relative permittivity (real part)	41.501
Relative permittivity (imaginary part)	19.407
Conductivity (S/m)	0.902

C. SAR Surface and Volume



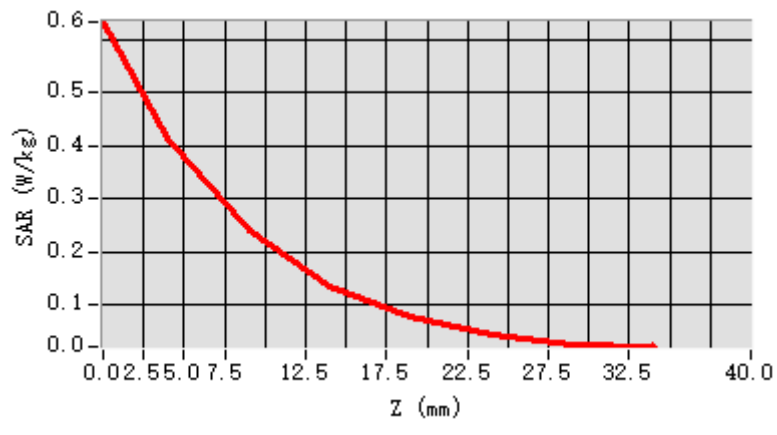
Maximum location: X=60.00, Y=46.00 ; SAR Peak: 0.65 W/kg

D. SAR 1g & 10g

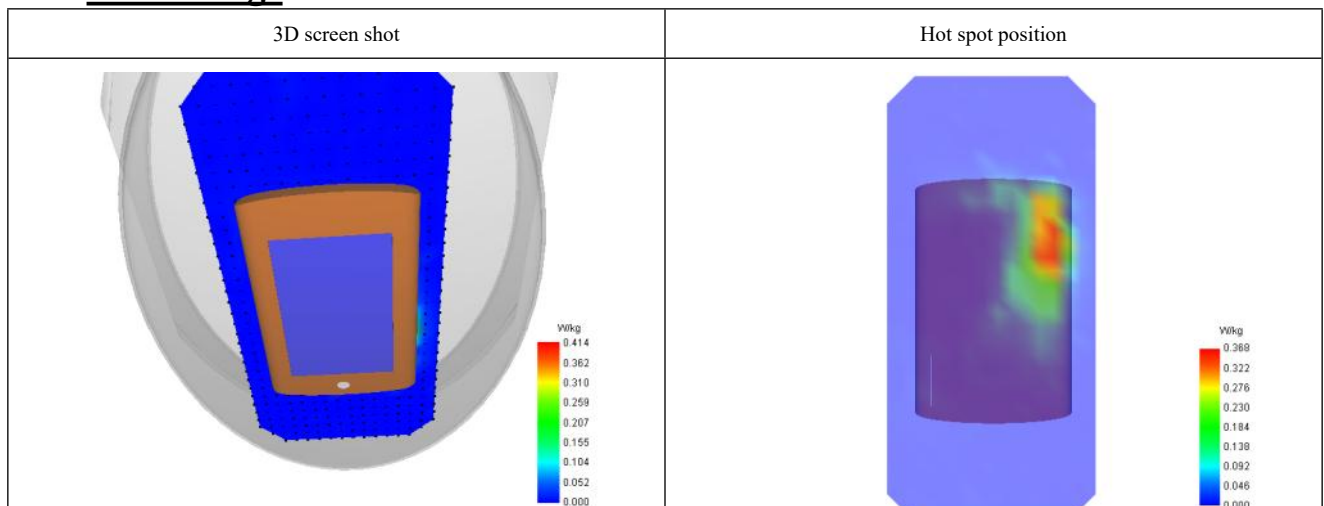
SAR 10g (W/Kg)	0.215
SAR 1g (W/Kg)	0.401
Variation (%)	1.130
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	57.729469

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.632	0.414	0.239	0.136	0.078	0.043	0.025



F. 3D Image



#12

Date of measurement: 12/4/2026

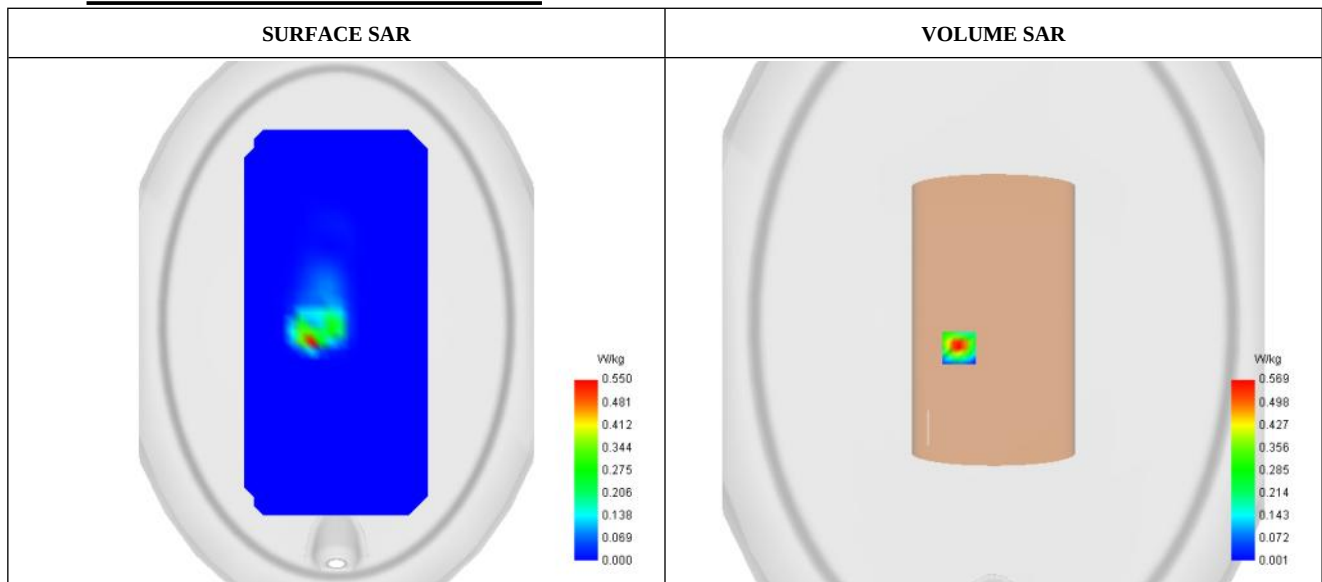
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.23
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	ELLI
Device Position	Body
Band	LTE band 7
Channel Center [EARFCN] / Channel Center [MHz]	Middle (21100)/ frequency 2535.00 Mhz

B. Permittivity

Middle TX Frequency (MHz)	2535.00
Relative permittivity (real part)	39.087
Relative permittivity (imaginary part)	13.418
Conductivity (S/m)	1.890

C. SAR Surface and Volume



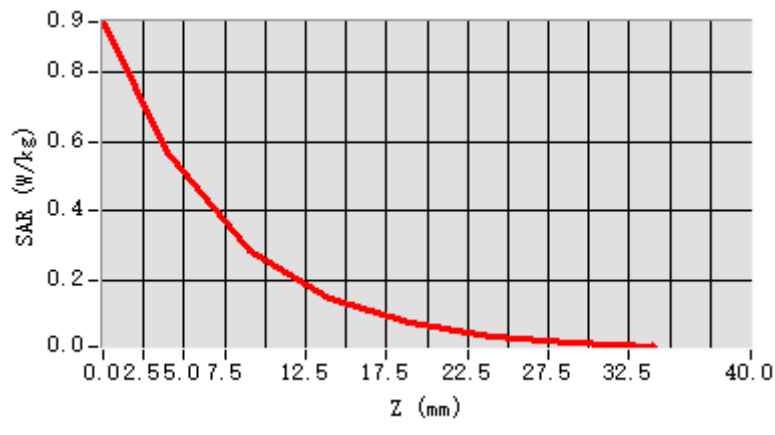
Maximum location: X=-31.00, Y=-23.00 ; SAR Peak: 0.96 W/kg

D. SAR 1g & 10g

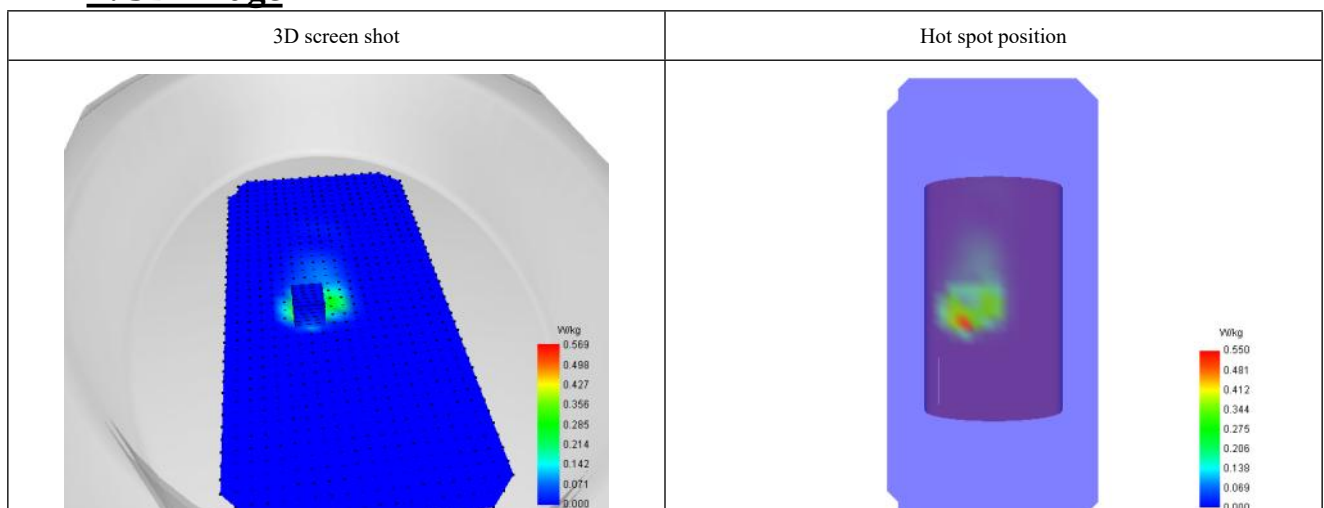
SAR 10g (W/Kg)	0.236
SAR 1g (W/Kg)	0.524
Variation (%)	0.200
Horizontal validation criteria: minimum distance (mm)	10.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	50.439367

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.945	0.569	0.287	0.148	0.076	0.039	0.019



F. 3D Image



#13

Date of measurement: 12/4/2026

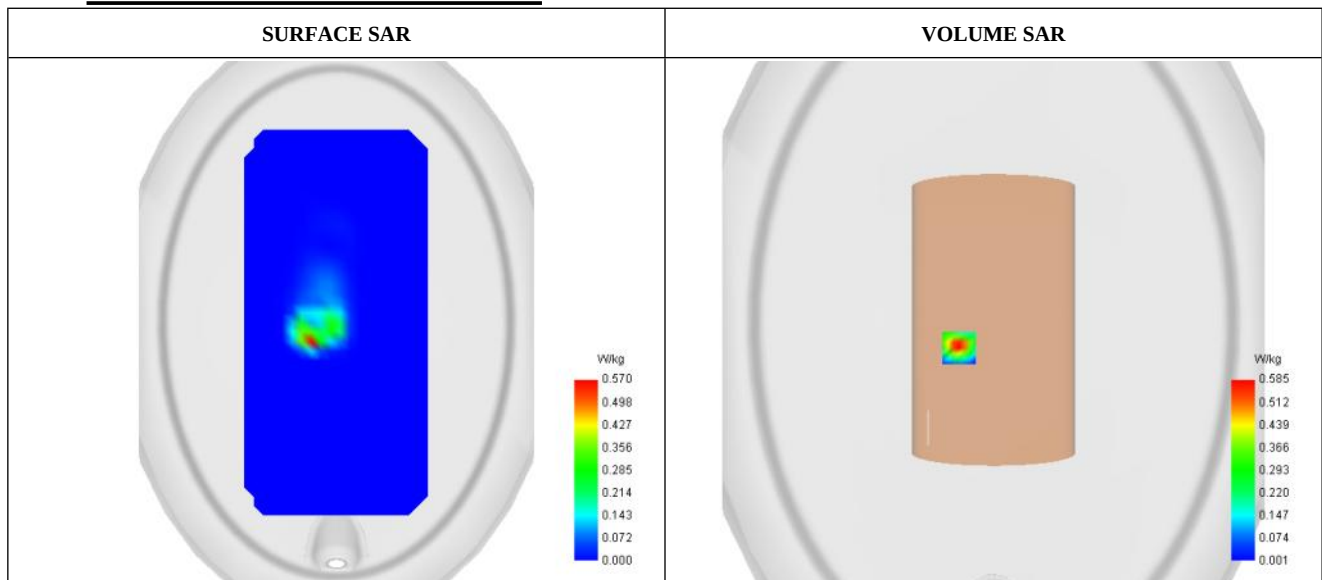
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.23
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	ELLI
Device Position	Body
Band	LTE band 41
Channel Center [EARFCN] / Channel Center [MHz]	Middle (40740)/ frequency 2605.00 Mhz

B. Permittivity

Middle TX Frequency (MHz)	2605.00
Relative permittivity (real part)	39.009
Relative permittivity (imaginary part)	13.554
Conductivity (S/m)	1.962

C. SAR Surface and Volume



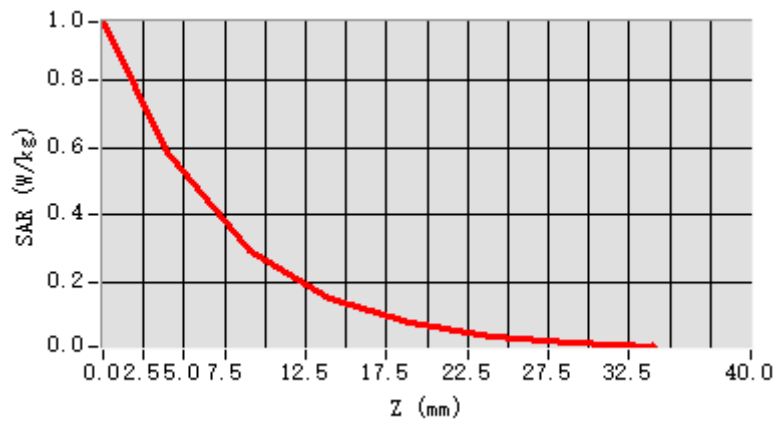
Maximum location: X=-31.00, Y=-23.00 ; SAR Peak: 0.99 W/kg

D. SAR 1g & 10g

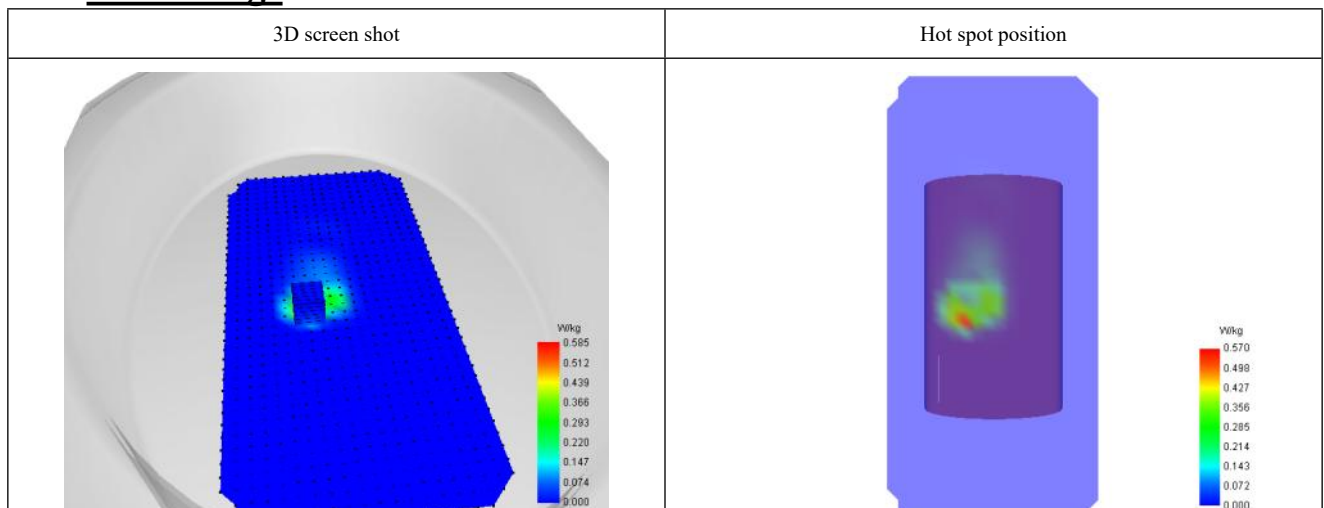
SAR 10g (W/Kg)	0.243
SAR 1g (W/Kg)	0.539
Variation (%)	-0.440
Horizontal validation criteria: minimum distance (mm)	10.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	50.427350

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.975	0.585	0.295	0.154	0.079	0.041	0.020



F. 3D Image



#14

Date of measurement: 9/4/2026

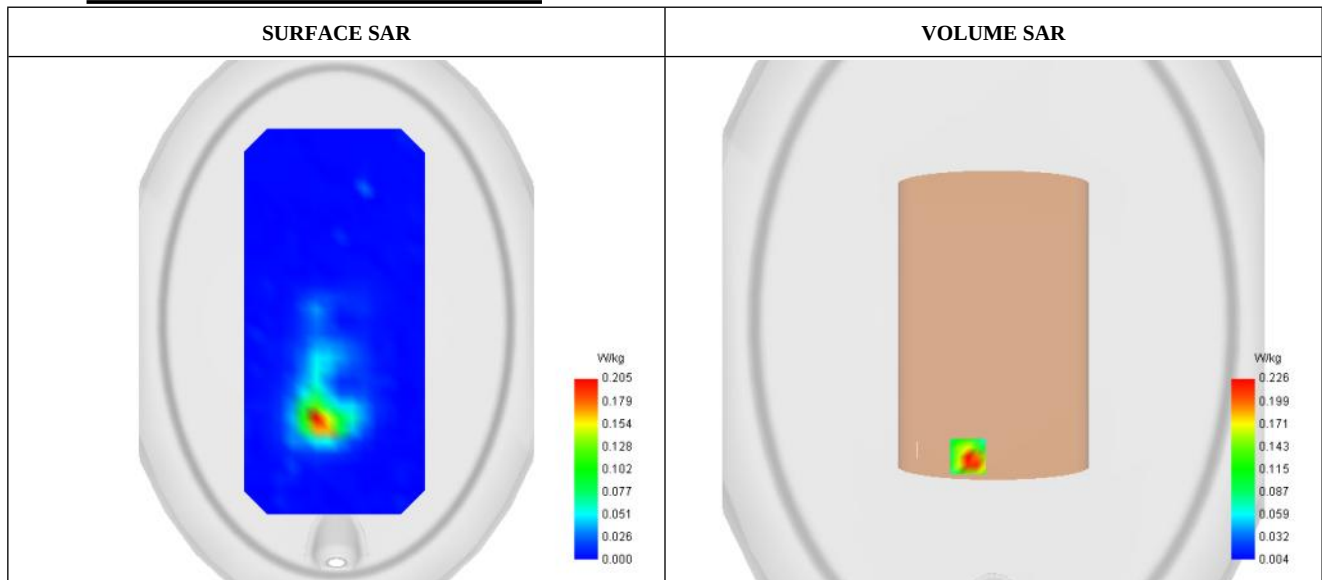
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.01
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	ELLI
Device Position	Body
Band	LTE band 26
Channels/Frequency	Middle (26865)/ frequency 831.500 Mhz

B. Permittivity

Middle TX Frequency (MHz)	831.500
Relative permittivity (real part)	41.534
Relative permittivity (imaginary part)	19.572
Conductivity (S/m)	0.904

C. SAR Surface and Volume



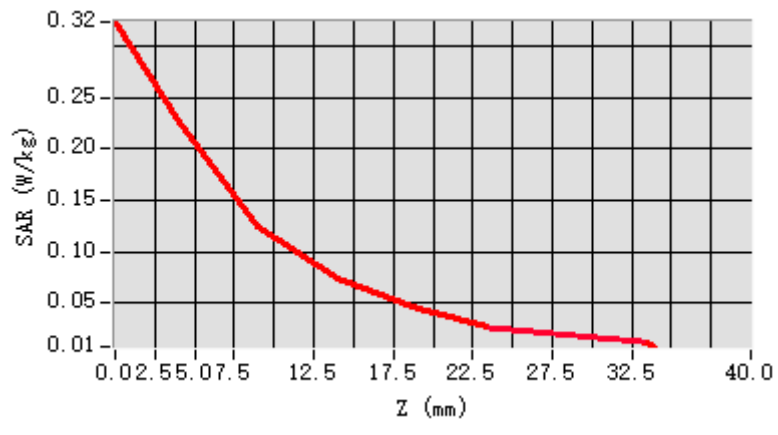
Maximum location: X=-23.00, Y=-122.00 ; SAR Peak: 0.35 W/kg

D. SAR 1g & 10g

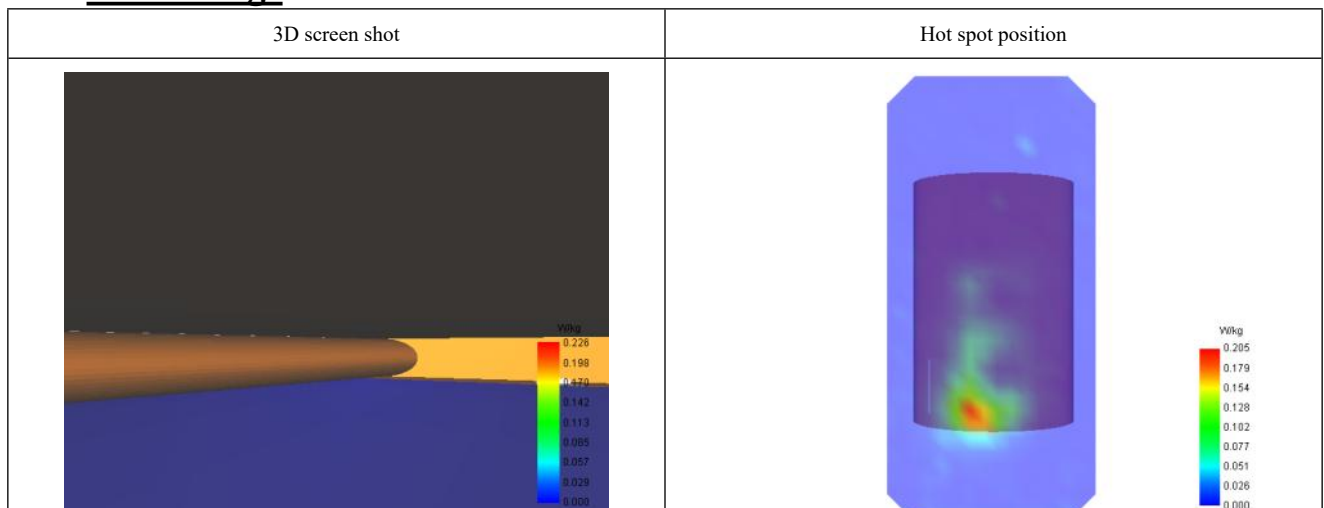
SAR 10g (W/Kg)	0.115
SAR 1g (W/Kg)	0.215
Variation (%)	-1.720
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.309735

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.324	0.226	0.125	0.073	0.045	0.024	0.040



F. 3D Image



Appendix D. Calibration Certificate

Table of contents
E Field Probe - 0523-EPGO-403
900 MHz Dipole - SN 1811-DIP0G900-151
1800 MHz Dipole - 1811-DIP1G800-152
1900 MHz Dipole - 1811-DIP1G900-153
2450 MHz Dipole - SN 1811-DIP2G450-155
2600 MHz Dipole - SN 2614-DIP2G600-326
5200-5800 MHz Dipole - SN 2923-DIP5G000-730

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COMOSAR E-Field Probe Calibration Report

Ref : ACR.100.4.26.PAR.A

**GUANGDONG ASIA HONGKE TEST
TECHNOLOGY CO.,LTD**
**NO. B1/F, BUILDING 11, JUNTENG INDUSTRIAL PARCK,
CHONGQING ROAD,HEPING COMMUNITY, FUHAI
STREET,**
MVG COMOSAR DOSIMETRIC E-FIELD PROBE
SERIAL NO.: 0523-EPGO-403

Calibrated at MVG
13 Rue du Zephyr
91140 Villejust - FRANCE
Calibration date: 03/03/2026

Scope available on : <https://a2la.org/>

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.100.4.26.PAR.A

	<i>Name</i>	<i>Function</i>	<i>Date</i>	<i>Signature</i>
<i>Prepared by :</i>	Pedro Ruiz	Technical Manager	4/10/2026	
<i>Checked & approved by:</i>	Pedro Ruiz	Technical Manager	4/10/2026	
<i>Authorized by:</i>	Christophe Barrot	Quality Manager	2026 April 13	Signed by:  7587FE028CF046E...

	<i>Customer Name</i>
<i>Distribution :</i>	Guangdong Asia Hongke Test Technology Co.,Ltd

<i>Issue</i>	<i>Name</i>	<i>Date</i>	<i>Modifications</i>
A	Pedro Ruiz	4/10/2026	Initial release

Docusign Envelope ID: 441A23A1-88DE-4D98-BD64-561319DF94DB



COMOSAR E-FIELD PROBE CALIBRATION REPORT

Ref: ACR.100.4.26.PAR.A

TABLE OF CONTENTS

1	Device Under Test	4
2	Product Description	4
2.1	General Information	4
3	Measurement Method	4
3.1	Sensitivity	4
3.2	Linearity	4
3.3	Isotropy	5
3.4	Boundary Effect	5
3.5	Probe Modulation Response	5
4	Measurement Uncertainty	6
5	Calibration Results	6
5.1	Calibration in air	6
5.2	Calibration in liquid	7
6	Verification Results	8
7	List of Equipment	9

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COMOSAR E-FIELD PROBE CALIBRATION REPORT

Ref: ACR.100.4.26.PAR.A

1 DEVICE UNDER TEST

Device Under Test	
Device Type	COMOSAR DOSIMETRIC E FIELD PROBE
Manufacturer	MVG
Model	SSE2
Serial Number	0523-EPGO-403
Product Condition (new / used)	Used
Frequency Range of Probe	0.15 GHz-7.5GHz
Resistance of Three Dipoles at Connector	Dipole 1: R1=0.216 MΩ Dipole 2: R2=0.239 MΩ Dipole 3: R3=0.223 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.

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.

Page: 4/10

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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:

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

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., $\delta \approx 14 \text{ mm}$ 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%).

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

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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.

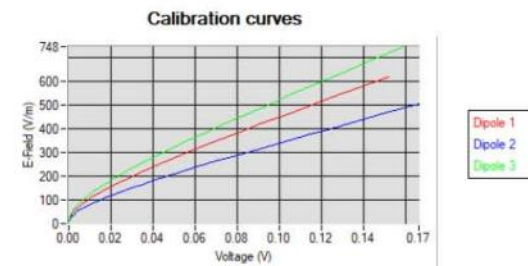
The estimated expanded uncertainty (k=2) in calibration for SAR (W/kg) is +/-14% for the frequency range 600-7500MHz.

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.

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

where

V_i =voltage readings on the 3 channels of the probe

DCP_i =diode compression point given below for the 3 channels of the probe

$Norm_i$ =dipole sensitivity given below for the 3 channels of the probe

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Normx dipole 1 ($\mu\text{V}/(\text{V}/\text{m})^2$)	Normy dipole 2 ($\mu\text{V}/(\text{V}/\text{m})^2$)	Normz dipole 3 ($\mu\text{V}/(\text{V}/\text{m})^2$)
0.95	1.68	0.70

DCP dipole 1 (mV)	DCP dipole 2 (mV)	DCP dipole 3 (mV)
108	105	109

5.2 CALIBRATION IN LIQUID

The calorimeter cell or the waveguide is used to determine the calibration in liquid using the formula below.

$$\text{ConvF} = \frac{E_{\text{liquid}}^2}{E_{\text{air}}^2}$$

The E-field in the liquid is determined from the SAR measurement according to the below formula.

$$E_{\text{liquid}}^2 = \frac{\rho \text{ SAR}}{\sigma}$$

where

σ =the conductivity of the liquid

ρ =the volumetric density of the liquid

SAR=the SAR measured from the formula that depends on the setup used. The SAR formulas are given below

For the calorimeter cell (150-450 MHz), the formula is:

$$\text{SAR} = c \frac{dT}{dt}$$

where

c =the specific heat for the liquid

dT/dt =the temperature rises over the time

For the waveguide setup (600-75000 MHz), the formula is:

$$\text{SAR} = \frac{4P_W}{ab\delta} e^{-\frac{2z}{\delta}}$$

where

a =the larger cross-sectional of the waveguide

b =the smaller cross-sectional of the waveguide

δ =the skin depth for the liquid in the waveguide

P_W =the power delivered to the liquid

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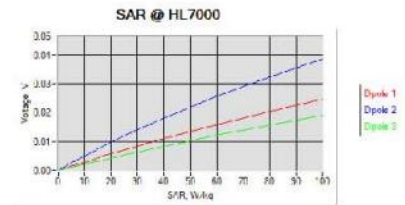
COMOSAR E-FIELD PROBE CALIBRATION REPORT

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The below table summarize the ConvF for the calibrated liquid. The curves give examples for the measured SAR depending on the voltage in some liquid.

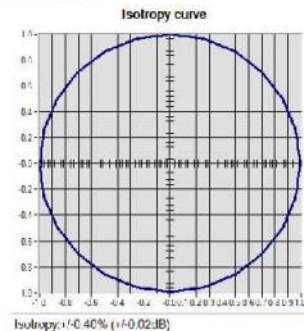
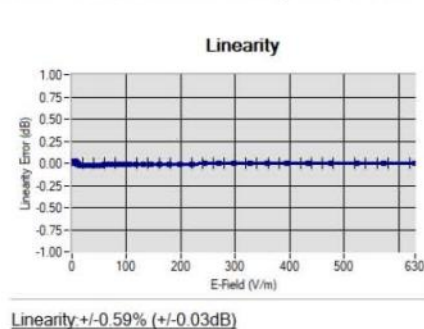
Liquid	Frequency (MHz*)	ConvF
HL450	450	1.95
HL750	750	2.08
HL900	900	2.01
HL1800	1800	2.01
HL1900	1900	2.20
HL2000	2000	2.22
HL2300	2300	2.37
HL2450	2450	2.44
HL2600	2600	2.23
HL3300	3300	1.98
HL3500	3500	1.84
HL3700	3700	1.83
HL3900	3900	1.91
HL4200	4200	2.02
HL4600	4600	1.90
HL4900	4900	1.85
HL5200	5200	1.86
HL5400	5400	1.82
HL5600	5600	1.65
HL5800	5800	1.70
HL7000	7000	1.75

(*) Frequency validity is +/-50MHz below 600MHz, +/-100MHz from 600MHz to 6GHz and +/-700MHz above 6GHz



6 VERIFICATION RESULTS

The figures below represent the measured linearity and axial isotropy for this probe. The probe specification is +/-0.2 dB for linearity and +/-0.15 dB for axial isotropy.



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COMOSAR E-FIELD PROBE CALIBRATION REPORT

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7 LIST OF EQUIPMENT

Equipment Summary Sheet				
Equipment Description	Manufacturer / Model	Identification No.	Current Calibration Date	Next Calibration Date
CALIPROBE Test Bench	Version 2	NA	Validated. No cal required.	Validated. No cal required.
Network Analyzer	Rohde & Schwarz ZND	1328.5170K92-100497-kX	12/2025	08/2028
Network Analyzer – Calibration kit	Keysight 85052D	85052D MY61410029	06/2024	06/2027
Multimeter	Keithley 2000	4013982	02/2023	02/2027
Signal Generator	Rohde & Schwarz SMB	183277	05/2022	05/2027
Amplifier	MVG	MODU-023-C-0002	Characterized prior to test. No cal required.	Characterized prior to test. No cal required.
Power Meter	NI-USB 5680	170100013	01/2026	01/2029
USB Sensor	Keysight U2000A	SN: MY62340002	10/2024	10/2027
Directional Coupler	Krytar 158020	131467	Characterized prior to test. No cal required.	Characterized prior to test. No cal required.
Fluoroptic Thermometer	LumaSense Luxtron 812	94264	09/2022	09/2026
Coaxial cell	MVG	SN 32/16 COAXCELL_1	Validated. No cal required.	Validated. No cal required.
Waveguide	MVG	SN 32/16 WG2_1	Validated. No cal required.	Validated. No cal required.
Liquid transition	MVG	SN 32/16 WGLIQ_0G600_1	Validated. No cal required.	Validated. No cal required.
Waveguide	MVG	SN 32/16 WG4_1	Validated. No cal required.	Validated. No cal required.
Liquid transition	MVG	SN 32/16 WGLIQ_0G900_1	Validated. No cal required.	Validated. No cal required.
Waveguide	MVG	SN 32/16 WG6_1	Validated. No cal required.	Validated. No cal required.
Liquid transition	MVG	SN 32/16 WGLIQ_1G500_1	Validated. No cal required.	Validated. No cal required.
Waveguide	MVG	SN 32/16 WG8_1	Validated. No cal required.	Validated. No cal required.
Liquid transition	MVG	SN 32/16 WGLIQ_1G800B_1	Validated. No cal required.	Validated. No cal required.
Liquid transition	MVG	SN 32/16 WGLIQ_1G800H_1	Validated. No cal required.	Validated. No cal required.

Page: 9/10

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COMOSAR E-FIELD PROBE CALIBRATION REPORT

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Waveguide	MVG	SN 32/16 WG10_1	Validated. No cal required.	Validated. No cal required.
Liquid transition	MVG	SN 32/16 WGLIQ_3G500_1	Validated. No cal required.	Validated. No cal required.
Waveguide	MVG	SN 32/16 WG12_1	Validated. No cal required.	Validated. No cal required.
Liquid transition	MVG	SN 32/16 WGLIQ_5G000_1	Validated. No cal required.	Validated. No cal required.
Waveguide	MVG	SN 32/16 WG14_1	Validated. No cal required.	Validated. No cal required.
Liquid transition	MVG	SN 32/16 WGLIQ_7G000_1	Validated. No cal required.	Validated. No cal required.
Temperature / Humidity Sensor	Testo 184 H1	44235403	02/2024	02/2027

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SAR Reference Dipole Calibration Report

Ref : ACR.100.6.26.PAR.A

**GUANGDONG ASIA HONGKE TEST
TECHNOLOGY CO.,LTD**
**NO. B1/F, BUILDING 11, JUNTENG INDUSTRIAL PARCK,
CHONGQING ROAD,HEPING COMMUNITY, FUHAI
STREET,**
MVG COMOSAR REFERENCE DIPOLE
FREQUENCY: 900 MHZ
SERIAL NO.: SN 1811-DIP0G900-151

Calibrated at MVG
13 Rue du Zephyr
91140 Villejust - FRANCE
Calibration date: 03/31/2026



Summary:

This document presents the method and results from an accredited SAR reference dipole calibration performed in MVG using the COMOSAR test bench. All calibration results are traceable to national metrology institutions.

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SAR REFERENCE DIPOLE CALIBRATION REPORT

Ref: ACR.100.6.26.PAR.A

	<i>Name</i>	<i>Function</i>	<i>Date</i>	<i>Signature</i>
<i>Prepared by :</i>	Pedro Ruiz	Technical Manager	4/10/2026	
<i>Checked & approved by:</i>	Pedro Ruiz	Technical Manager	4/10/2026	
<i>Authorized by:</i>	Christophe Barrot	Quality Manager	2026 April 13	Signed by:  7587FED2BCF046E...

	<i>Customer Name</i>
<i>Distribution :</i>	Guangdong Asia Hongke Test Technology Co.,Ltd

<i>Issue</i>	<i>Name</i>	<i>Date</i>	<i>Modifications</i>
A	Pedro Ruiz	4/10/2026	Initial release