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 PC
Model No.:	T12 Pro
Serial Model:	N/A
Brand Name:	N/A
Report No.:	AiTSZ-260305081FW7
FCC ID:	2BU85-T12PRO

Prepared for

JIAHANG TECHNOLOGY (HONG KONG) CO.,LIMITED

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

Prepared by

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

Tel.: +86 0755-230967639 Fax.: +86 0755-230967639

TEST RESULT CERTIFICATION

Applicant's name	JIAHANG TECHNOLOGY (HONG KONG) CO.,LIMITED
Address	19H MAXGRAND PLAZA 3 TAI YAU STREET SAN PO KONG KL
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 PC
Trademark	N/A
Model and/or type reference	T12 Pro
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-260305081-1

Date of Test

Date (s) of performance of tests ..... Mar. 05, 2026 ~ Mar. 13, 2026

Date of Issue..... Apr. 21, 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. 21, 2026	Jack Li

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1. General Information

1.1. RF exposure limits

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

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

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

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

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

Occupational/Controlled Environments:

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

General Population/Uncontrolled Environments:

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

NOTE 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	0.254	Body: 1.256
GSM1900	0.415	
LTE band 7	0.560	
LTE band 41	0.683	
2.4GHz WLAN	0.375	
5.2GHz WLAN	0.550	
5.8GHz WLAN	0.573	

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.

1.3. EUT Description

Device Information			
Product Name	Tablet PC		
Model Name	T12 Pro		
Family Model	N/A		
Model Difference	N/A		
Device Phase	Identical Prototype		
Exposure Category	General population / Uncontrolled environment		
Antenna Type	FPC Antenna		
Power Supply	DC 3.85V 8000mAh 30.87Wh by Rechargeable Li-ion battery		
Hardware version	M100TBN		
Software version	T12_Pro_EEA_20		
Device Operating Configurations			
Supporting Mode(s)	GSM850/1900, LTEBand7/41, WLAN 2.4G/5G, Bluetooth		
Test Modulation	GSM(GMSK/8PSK), LTE(QPSK/16QAM), WLAN(DSSS/OFDM), Bluetooth(GFSK, π/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
	LTE Band 7	2500-2570	2620-2690
	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 Max.(LTE Band 7)		
	3, tested with power control all Max.(LTE Band 41)		

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 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

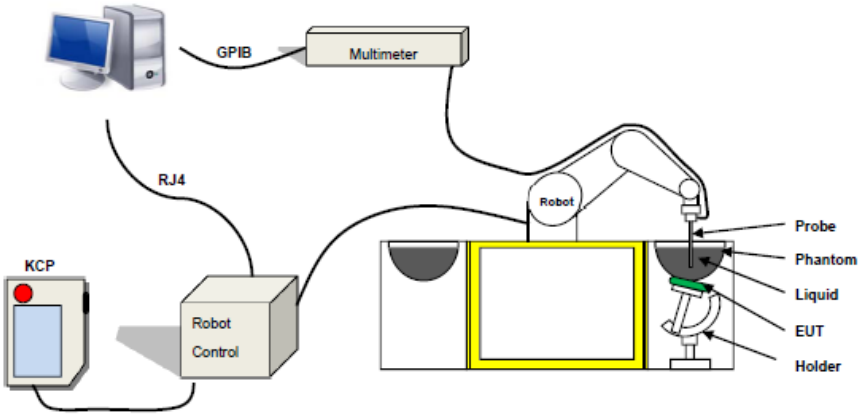
The test facility is recognized, certified or accredited by the following organizations:
FCC-Registration No.: 251906 Designation Number: CN1376
Guangdong Asia Hongke Test Technology Limited has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The 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 ±10%. The spherical isotropy shall be evaluated and within ±0.25dB. 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	EPGO 0523-403	Sep. 09, 2025	Sep. 08, 2026
☐	MVG	750 MHz Dipole	SID750	SN 03/15 DIP 0G750-355	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	835 MHz Dipole	SID835	SN 03/15 DIP 0G835-347	Feb. 21, 2024	Feb. 20, 2027
☐	MVG	900 MHz Dipole	SID900	SN 03/15 DI P 0G900-348	Feb. 21, 2024	Feb. 20, 2027
☐	MVG	1800 MHz Dipole	SID1800	SN 03/15 DIP 1G800-349	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	1900 MHz Dipole	SID1900	SN 03/15 DIP 1G900-350	Feb. 21, 2024	Feb. 20, 2027
☐	MVG	2000 MHz Dipole	SID2000	SN 03/15 DIP 2G000-351	Feb. 21, 2024	Feb. 20, 2027
☐	MVG	2300 MHz Dipole	SID2300	SN 03/16 DIP 2G300-358	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	2450 MHz Dipole	SID2450	SN 03/15 DIP 2G450-352	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	2600 MHz Dipole	SID2600	SN 03/15 DIP 2G600-356	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	5000 MHz Dipole	SWG5500	SN 13/14 WGA 33	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	Liquid measurement Kit	SCLMP	SN 21/15 OCPG 72	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

☒	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

					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

3. SAR Measurement Procedures

The measurement procedures are as follows:

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

<SAR measurement>
(a) Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT Wi-Fi/BT continuously transmission, at maximum RF power, in the highest power channel.
(b) Place the EUT in the positions as Appendix A demonstrates.
(c) Set scan area, grid size and other setting on the OPENSAR software.
(d) Measure SAR results for the highest power channel on each testing position.
(e) Find out the largest SAR result on these testing positions of each band.
(f) Measure SAR results for other channels in worst SAR testing position if the reported SAR of highest power channel is larger than 0.8 W/kg.

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:
(a) Power reference measurement
(b) Area scan
(c) Zoom scan
(d) Power drift measurement

3.1. Power Reference

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

3.2. Area scan & Zoom scan

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

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

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

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

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

<table>
<tr><td colspan="3"></td><td>≤ 3 GHz</td><td>> 3 GHz</td></tr>
<tr><td colspan="3">Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface</td><td>5 ± 1 mm</td><td>½·δ·ln(2) ± 0.5 mm</td></tr>
<tr><td colspan="3">Maximum probe angle from probe axis to phantom surface normal at the measurement location</td><td>30° ± 1°</td><td>20° ± 1°</td></tr>
<tr><td colspan="3" rowspan="2">Maximum area scan spatial resolution: Δx_{Area}, Δy_{Area}</td><td>≤ 2 GHz: ≤ 15 mm
2 – 3 GHz: ≤ 12 mm</td><td>3 – 4 GHz: ≤ 12 mm
4 – 6 GHz: ≤ 10 mm</td></tr>
<tr><td colspan="2">When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.</td></tr>
<tr><td colspan="3">Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}</td><td>≤ 2 GHz: ≤ 8 mm
2 – 3 GHz: ≤ 5 mm*</td><td>3 – 4 GHz: ≤ 5 mm*
4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="3">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2">uniform grid: $\Delta z_{Zoom}(n)$</td><td>≤ 5 mm</td><td>3 – 4 GHz: ≤ 4 mm
4 – 5 GHz: ≤ 3 mm
5 – 6 GHz: ≤ 2 mm</td></tr>
<tr><td rowspan="2">graded grid</td><td>$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface</td><td>≤ 4 mm</td><td>3 – 4 GHz: ≤ 3 mm
4 – 5 GHz: ≤ 2.5 mm
5 – 6 GHz: ≤ 2 mm</td></tr>
<tr><td>$\Delta z_{Zoom}(n>1)$: between subsequent points</td><td colspan="2">≤ 1.5·$\Delta z_{Zoom}(n-1)$</td></tr>
<tr><td>Minimum zoom scan volume</td><td colspan="2">x, y, z</td><td>≥ 30 mm</td><td>3 – 4 GHz: ≥ 28 mm
4 – 5 GHz: ≥ 25 mm
5 – 6 GHz: ≥ 22 mm</td></tr>
<tr><td colspan="5">Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.
* When zoom scan is required and the reported SAR from the area scan based 1-g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.</td></tr>
</table>

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

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

3.4. Volumetric Scan

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

3.5. Power Drift

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

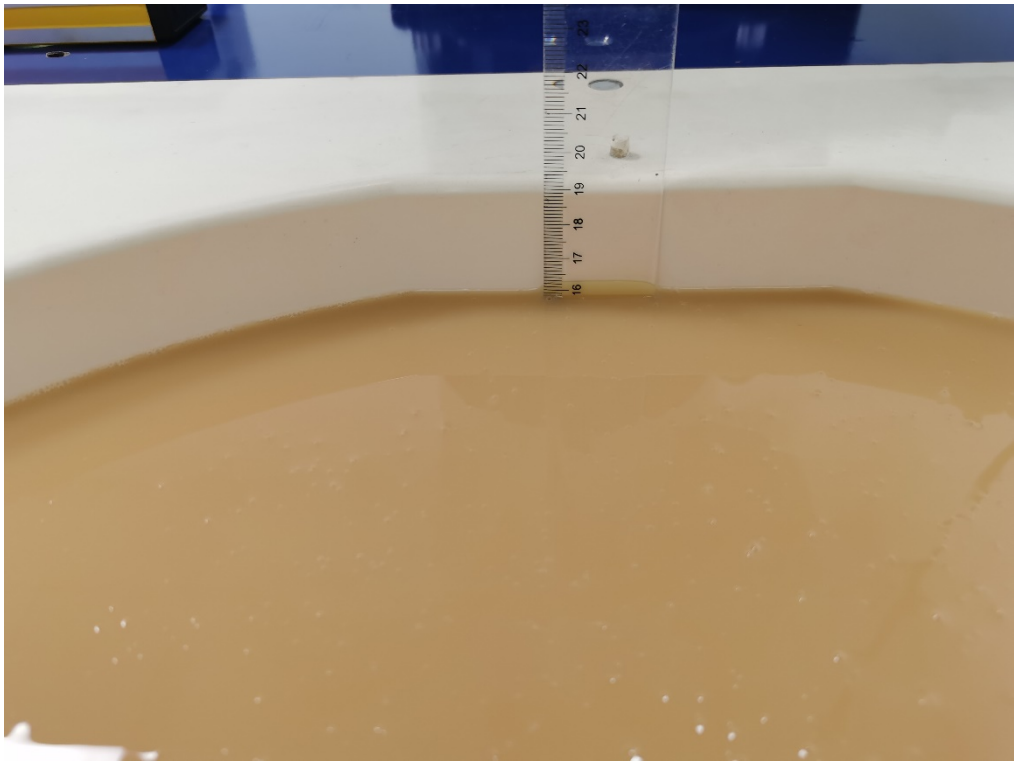
4. System Verification Procedure

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									
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 ±5% of the target values.

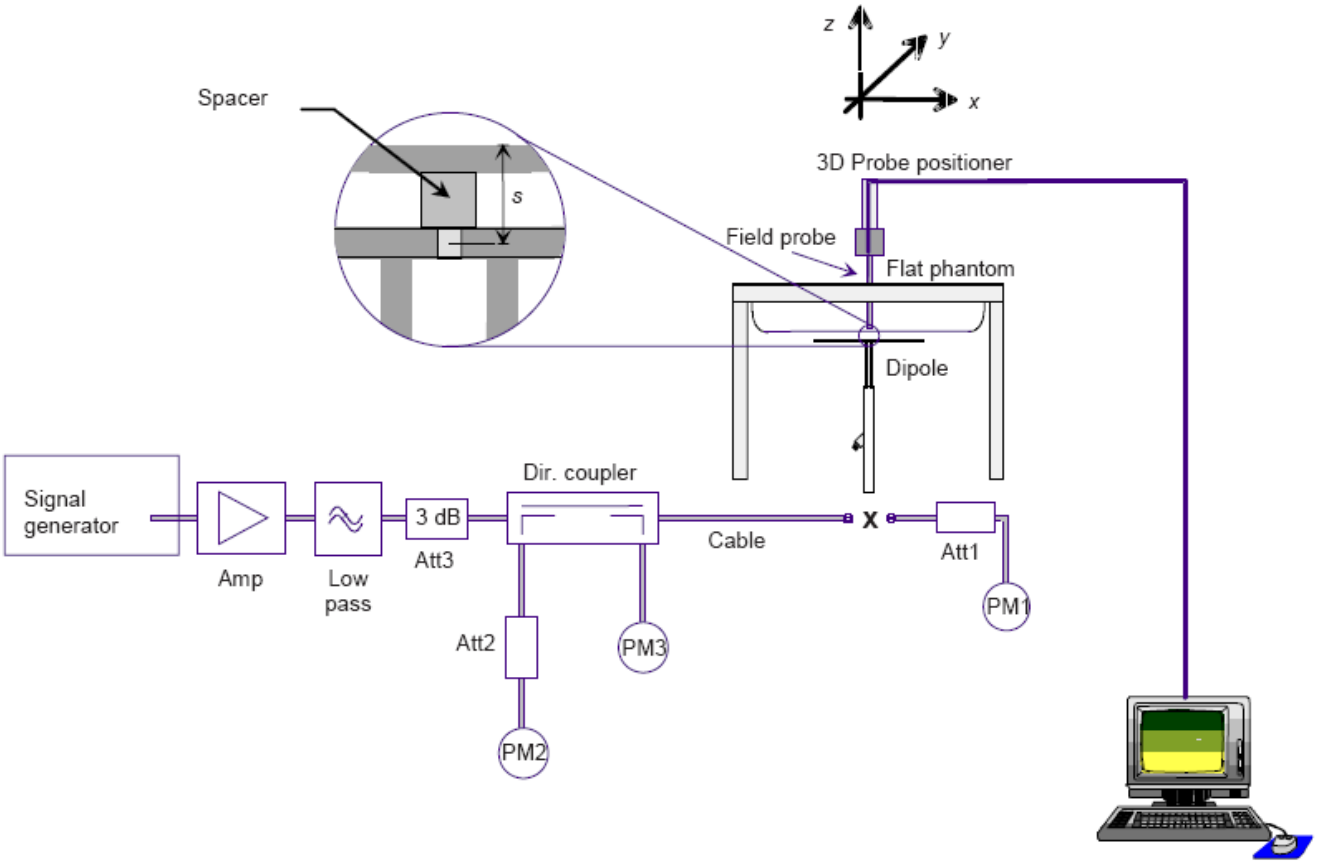
Tissue Type	Measured Frequency (MHz)	Target Tissue		Measured Tissue		Liquid Temp.	Test Date
		εr (±5%)	σ (S/m) (±5%)	εr	σ (S/m)		
Head 850	824.2	41.55 (39.47~43.63)	0.90 (0.85~0.94)	41.16	0.87	21.1 °C	Mar. 05, 2026
Head 850	835	41.50 (39.43~43.58)	0.90 (0.86~0.95)	40.94	0.90	21.1 °C	Mar. 05, 2026
Head 850	836.4	41.50 (39.43~43.58)	0.90 (0.85~0.94)	41.50	0.90	21.1 °C	Mar. 05, 2026
Head 850	848.8	41.50 (39.43~43.58)	0.91 (0.86~0.95)	40.80	0.90	21.1 °C	Mar. 05, 2026
Head 1900	1850.2	40.00 (38.00~42.00)	1.40 (1.33~1.47)	39.00	1.41	21.3 °C	Mar. 06, 2026
Head 1900	1880	40.00 (38.00~42.00)	1.40 (1.33~1.47)	40.00	1.40	21.3 °C	Mar. 06, 2026
Head 1900	1900	40.00 (38.00~42.00)	1.40 (1.33~1.47)	41.27	1.34	21.3 °C	Mar. 06, 2026
Head 1900	1909.8	40.00 (38.00~42.00)	1.40 (1.33~1.47)	38.72	1.44	21.3 °C	Mar. 06, 2026
Head 2450	2412	39.27 (37.30~41.23)	1.77 (1.68~1.85)	39.23	1.77	21.6 °C	Mar. 09, 2026
Head 2450	2437	39.22 (37.26~41.18)	1.79 (1.70~1.88)	39.23	1.79	21.6 °C	Mar. 09, 2026
Head 2450	2450	39.20 (37.24~41.16)	1.80 (1.71~1.89)	41.04	1.80	21.6 °C	Mar. 09, 2026
Head 2450	2462	39.18 (37.22~41.14)	1.81 (1.72~1.90)	39.21	1.81	21.6 °C	Mar. 09, 2026
Head 2600	2510	39.12 (37.16~41.08)	1.86 (1.77~1.95)	39.12	1.87	21.3 °C	Mar. 10, 2026
Head 2600	2535	39.09 (37.13~41.04)	1.89 (1.80~1.99)	39.09	1.89	21.3 °C	Mar. 10, 2026
Head 2600	2560	39.05 (37.10~41.01)	1.92 (1.82~2.01)	39.08	1.92	21.3 °C	Mar. 10, 2026
Head 2600	2565	39.05 (37.09~41.00)	1.92 (1.83~2.02)	39.06	1.93	21.3 °C	Mar. 10, 2026

Head 2600	2600	39.01 (37.06~40.96)	1.96 (1.86~2.06)	39.00	1.96	21.3 °C	Mar. 10, 2026
Head 2600	2605	38.99 (37.04~40.94)	1.97 (1.87~2.06)	39.01	1.96	21.3 °C	Mar. 10, 2026
Head 2600	2645	38.94 (37.00~40.89)	2.01 (1.91~2.11)	38.98	1.96	21.3 °C	Mar. 10, 2026
Head 5200	5180	36.02 (34.22~37.82)	4.64 (4.41~4.87)	36.00	4.64	21.0 °C	Mar. 12, 2026
Head 5200	5200	36.00 (34.20~37.80)	4.66 (4.43~4.89)	36.00	4.66	21.0 °C	Mar. 12, 2026
Head 5200	5240	35.96 (34.16~37.76)	4.70 (4.47~4.94)	34.47	4.55	21.0 °C	Mar. 12, 2026
Head 5800	5755	35.35 (33.58~37.11)	5.23 (4.96~5.49)	35.31	5.23	21.2 °C	Mar. 13, 2026
Head 5800	5795	35.31 (33.54~37.07)	5.27 (5.00~5.53)	35.30	5.25	21.2 °C	Mar. 13, 2026
Head 5800	5800	35.30 (33.54~37.07)	5.27 (5.01~5.53)	35.30	5.27	21.2 °C	Mar. 13, 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 25mW (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 ±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)	
835MHz	100	1.011	0.612	10.11	6.12	9.40	6.28	7.55%	-2.55%	Mar. 05, 2026
1900MHz	100	4.154	2.153	41.54	21.53	39.69	20.92	4.66%	2.92%	Mar. 06, 2026
2450MHz	100	5.184	2.359	51.84	23.59	50.05	23.80	3.58%	-0.88%	Mar. 09, 2026
2600MHz	100	5.433	2.523	54.33	25.23	54.16	24.85	0.31%	1.53%	Mar. 10, 2026
5200MHz	25	3.678	1.303	147.12	52.12	162.59	56.21	-9.51%	-7.28%	Mar. 12, 2026
5800MHz	25	4.106	1.406	164.24	56.24	182.2	61.32	-9.86%	-8.28%	Mar. 13, 2026

5. SAR measurement variabilit

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

1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.

2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.

3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).

4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

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 ≤ 5mm 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	32.74	32.84	32.84	-9.03	23.97	23.71	23.81	23.81
GPRS(GMSK,1 Tx slot)	33.50	33.02	33.06	33.07	-9.03	24.47	23.99	24.03	24.04
GPRS(GMSK,2 Tx slot)	32.50	32.28	32.30	32.25	-6.02	26.48	26.26	26.28	26.23
GPRS(GMSK,3 Tx slot)	31.00	30.51	30.52	30.53	-4.26	26.74	26.25	26.26	26.27
GPRS(GMSK,4 Tx slot)	28.50	28.30	28.34	28.46	-3.01	25.49	25.29	25.33	25.45
GPRS(EDGE,1 Tx slot)	27.50	27.18	27.09	27.06	-9.03	18.47	18.15	18.06	18.03
GPRS(EDGE,2 Tx slot)	27.50	25.99	27.24	25.81	-6.02	21.48	19.97	21.22	19.79
GPRS(EDGE,3 Tx slot)	24.00	23.81	23.82	23.11	-4.26	19.74	19.55	19.56	18.85
GPRS(EDGE,4 Tx slot)	22.50	22.16	21.57	21.50	-3.01	19.49	19.15	18.56	18.49

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)	30.00	29.54	29.73	29.46	-9.03	20.97	20.51	20.70	20.43
GPRS(GMSK,1 Tx slot)	30.00	29.59	29.66	29.43	-9.03	20.97	20.56	20.63	20.40
GPRS(GMSK,2 Tx slot)	29.00	28.72	28.89	28.77	-6.02	22.98	22.70	22.87	22.75
GPRS(GMSK,3 Tx slot)	27.00	26.36	26.56	26.77	-4.26	22.74	22.10	22.30	22.51
GPRS(GMSK,4 Tx slot)	26.00	25.25	25.52	25.74	-3.01	22.99	22.24	22.51	22.73
GPRS(EDGE,1 Tx slot)	26.00	25.60	24.80	24.64	-9.03	16.97	16.57	15.77	15.61
GPRS(EDGE,2 Tx slot)	24.50	23.67	24.31	23.46	-6.02	18.48	17.65	18.29	17.44
GPRS(EDGE,3 Tx slot)	22.00	21.63	21.61	21.32	-4.26	17.74	17.37	17.35	17.06
GPRS(EDGE,4 Tx slot)	22.00	21.87	20.24	20.06	-3.01	18.99	18.86	17.23	17.05

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. LTE Conducted Power

1. 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 #$\lceil N_{RB}^{UL}/2 \rceil$ 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		20775/2502.5	21100/2535	21425/2567.5
LTE Band 7	5MHz	QPSK	1	0	22.50	22.21	22.06	21.96
			1	12	22.50	21.82	22.05	21.97
			1	24	22.50	21.86	22.07	22.00
			12	0	21.50	21.23	21.44	21.38
			12	6	21.50	21.24	21.41	21.33
			12	11	21.50	21.28	21.43	21.29
			25	0	21.50	21.24	21.42	21.36
		16QAM	1	0	21.50	20.92	21.11	20.86
			1	12	21.50	20.96	21.07	20.84
			1	24	21.50	21.01	21.09	20.82
			12	0	20.50	20.28	20.43	20.42
			12	6	20.50	20.27	20.42	20.35
			12	11	20.50	20.35	20.42	20.36
			25	0	20.50	20.24	20.49	20.38
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	22.00	21.68	21.77	21.85
			1	24	22.00	21.71	21.83	21.87
			1	49	22.00	21.73	21.77	21.85
			25	0	21.50	21.20	21.36	21.39
			25	12	21.50	21.27	21.41	21.36
			25	24	21.50	21.33	21.46	21.39
			50	0	21.50	21.29	21.46	21.41
		16QAM	1	0	21.50	20.90	20.71	20.98
			1	24	21.50	20.95	20.81	21.03
			1	49	21.50	20.94	20.78	21.01
			25	0	21.00	20.24	20.42	20.39
			25	12	21.00	20.28	20.45	20.37
			25	24	21.00	20.34	20.51	20.38
			50	0	20.50	20.26	20.45	20.37
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	22.00	21.58	21.68	21.75
			1	37	22.00	21.70	21.79	21.86
			1	74	22.00	21.69	21.71	21.81
			36	0	21.50	21.13	21.30	21.33
			36	18	21.50	21.25	21.36	21.35
			36	37	21.50	21.27	21.39	21.34
			75	0	21.50	21.20	21.37	21.43
		16QAM	1	0	21.50	20.90	20.62	20.91
			1	37	21.50	21.04	20.81	21.03
			1	74	21.50	20.99	20.74	20.97
			36	0	20.50	20.22	20.32	20.34
			36	18	20.50	20.26	20.36	20.37

			36	37	20.50	20.30	20.38	20.39
			75	0	20.50	20.20	20.36	20.36
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	22.00	21.58	21.52	21.86
			1	49	22.00	21.72	21.71	21.94
			1	99	22.00	21.75	21.60	21.93
			50	0	22.00	21.12	21.37	21.49
			50	24	22.00	21.25	21.45	21.44
			50	49	22.00	21.27	21.51	21.37
			100	0	21.50	21.19	21.43	21.43
		16QAM	1	0	21.50	20.76	20.74	20.90
			1	49	21.50	20.93	21.01	21.05
			1	99	21.50	20.93	20.90	20.96
			50	0	21.00	20.09	20.39	20.47
			50	24	21.00	20.27	20.49	20.40
			50	49	21.00	20.24	20.51	20.33
			100	0	20.50	20.18	20.44	20.41

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	22.23	21.77	22.79
			1	12	23.00	22.14	21.79	22.82
			1	24	23.00	22.24	21.79	22.91
			12	0	22.50	21.59	21.26	22.30
			12	6	22.50	21.59	21.20	22.32
			12	11	22.50	21.55	21.71	22.33
			25	0	22.50	21.64	21.74	22.35
		16QAM	1	0	22.50	21.12	21.23	21.85
			1	12	22.50	21.07	21.35	21.88
			1	24	22.50	21.14	21.24	22.06
			12	0	21.50	20.67	20.73	21.44
			12	6	21.50	20.35	20.73	21.35
			12	11	21.50	20.37	20.73	21.29
			25	0	21.50	20.38	20.74	21.38
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	23.50	22.20	22.29	23.07
			1	24	23.50	22.30	22.27	23.08
			1	49	23.50	22.29	22.37	23.16
			25	0	22.50	21.74	21.78	22.05
			25	12	22.50	21.69	21.78	22.12
			25	24	22.50	21.76	21.78	22.17
			50	0	22.50	21.77	21.83	22.16
		16QAM	1	0	22.50	21.14	21.11	21.88
			1	24	22.50	21.22	21.16	21.89
			1	49	22.50	20.94	21.09	22.03
			25	0	21.50	20.76	20.78	21.06
			25	12	21.50	20.74	20.82	21.13

			25	24	21.50	20.74	20.79	21.17
			50	0	21.50	20.67	20.91	21.09
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	23.50	22.16	22.33	23.05
			1	37	23.50	22.41	22.47	23.26
			1	74	23.50	22.24	22.56	23.21
			36	0	22.50	21.26	21.45	22.02
			36	18	22.50	21.33	21.50	22.08
			36	37	22.50	21.30	21.50	22.09
			75	0	22.50	21.33	21.50	22.14
		16QAM	1	0	22.50	21.16	21.16	22.05
			1	37	22.50	21.16	21.42	22.21
			1	74	22.50	21.11	21.44	22.21
			36	0	21.50	20.26	20.41	21.05
			36	18	21.50	20.40	20.51	21.11
			36	37	21.50	20.39	20.52	21.12
			75	0	21.50	20.35	20.51	21.13
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	23.50	22.21	22.33	22.89
			1	49	23.50	22.45	22.48	23.13
			1	99	23.50	22.39	22.47	23.20
			50	0	22.50	21.37	21.51	22.04
			50	24	22.50	21.37	21.60	22.20
			50	49	22.50	21.41	21.65	22.17
			100	0	22.50	21.37	21.54	22.08
		16QAM	1	0	22.50	21.33	21.42	21.83
			1	49	22.50	21.55	21.27	22.08
			1	99	22.50	21.50	21.39	22.04
			50	0	21.50	20.38	20.50	21.02
			50	24	21.50	20.40	20.60	21.15
			50	49	21.50	20.40	20.61	21.17
			100	0	21.50	20.40	20.51	21.10

8.3. Wi-Fi & BT Output Power

Mode	Channel	Frequency (MHz)	Tune-Up (dBm)	Output Power (dBm)
802.11b	1	2412	12.50	11.82
	6	2437	12.50	12.19
	11	2462	12.50	12.14
802.11g	1	2412	11.50	10.81
	6	2437	11.50	11.16
	11	2462	11.50	11.22
802.11n (HT20)	1	2412	11.50	10.63
	6	2437	11.50	10.81
	11	2462	11.50	11.10
802.11n (H40)	3	2422	11.50	11.29
	6	2437	11.50	11.32
	9	2452	11.50	11.37

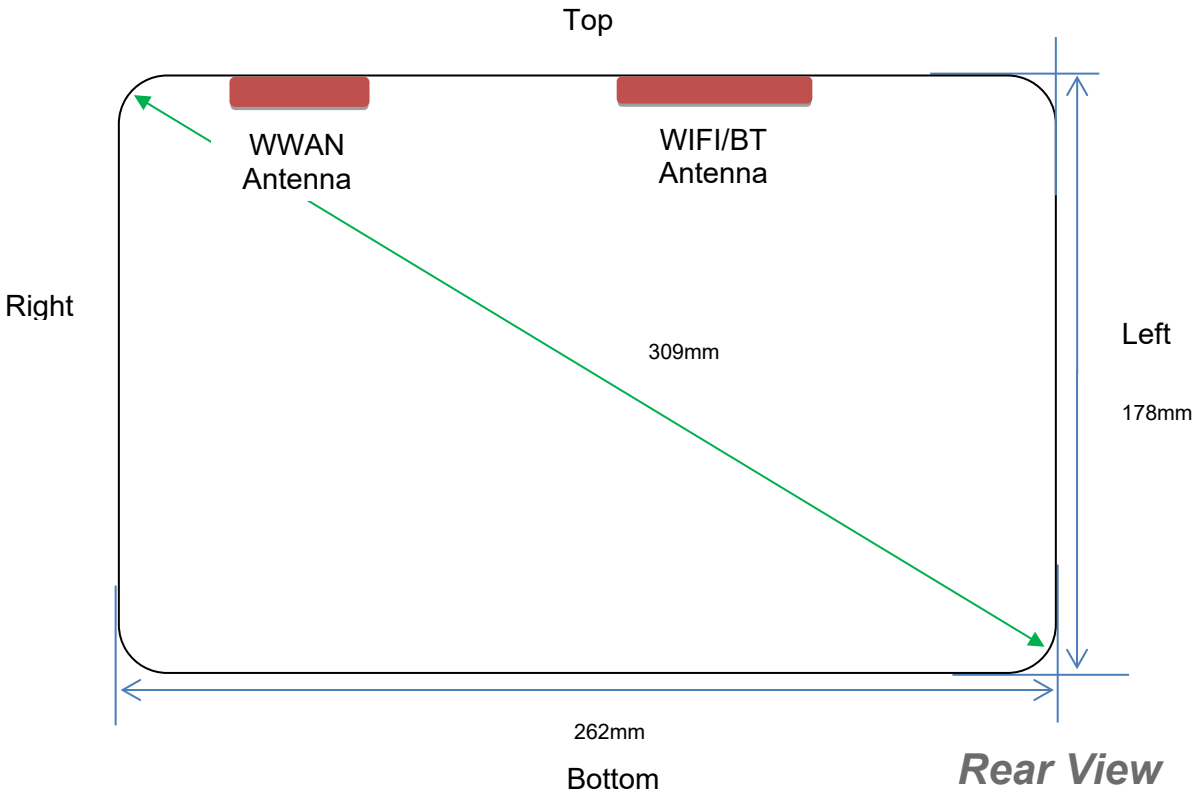
Mode	Frequency (MHz)	Tune-Up (dBm)	Output Power (dBm)
802.11A	5180	8.50	7.80
	5200	8.50	8.35
	5240	8.50	7.33
802.11N20SISO	5180	7.50	7.46
	5200	7.50	7.08
	5240	7.50	7.30
802.11N40SISO	5190	7.50	7.45
	5230	7.50	7.19
802.11AC20SISO	5180	8.00	7.77
	5200	8.00	7.32
	5240	8.00	7.16
802.11AC40SISO	5190	8.00	7.52
	5230	8.00	7.31
802.11AC80SISO	5210	7.50	7.25

Mode	Frequency (MHz)	Tune-Up (dBm)	Output Power (dBm)
802.11A	5745	7.00	6.91
	5785	7.00	6.82
	5825	7.00	6.23
802.11N20SISO	5745	7.00	6.96
	5785	7.00	6.61
	5825	7.00	6.34
802.11N40SISO	5755	8.00	7.67
	5795	8.00	6.84
802.11AC20SISO	5745	7.50	7.09
	5785	7.50	6.58
	5825	7.50	7.05
802.11AC40SISO	5755	7.50	7.23
	5795	7.50	6.85
802.11AC80SISO	5775	7.50	7.43

BR+EDR	Output Power (dBm)				
	Channel	Tune-up (dBm)	Data Rates		
			1M	2M	3M
	0CH	5.00	4.78	4.04	4.02
	39CH	5.50	5.13	4.44	4.41
	78CH	5.50	5.24	4.48	4.34

Mode	Channel	Tune-up (dBm)	Output Power (dBm)
BLE1M	CH00	1.00	0.88
	CH19	2.00	1.39
	CH39	2.00	1.33

9. Antenna Location



Antenna information:

Distance of The Antenna to the EUT surface and edge (mm)						
Antennas	Front Side	Back Side	Top Side	Bottom Side	Left Side	Right Side
BT/WLAN	5	5	5	161	82	138
WWAN	5	5	5	161	172	48

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	
	12.50 dBm / 5.50 dBm	17.78 mW / 3.55 mW
Left Side	Antenna to user(mm)	82
	SAR exclusion threshold(mW)	416
	SAR testing required?	NO
Right Side	Antenna to user(mm)	138
	SAR exclusion threshold(mW)	976
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	161
	SAR exclusion threshold(mW)	1206
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of WLAN 5.2G	
	8.50 dBm	7.08 mW
Left Side	Antenna to user(mm)	82
	SAR exclusion threshold(mW)	386
	SAR testing required?	NO
Right Side	Antenna to user(mm)	138
	SAR exclusion threshold(mW)	946
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	161
	SAR exclusion threshold(mW)	1176
	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)	82
	SAR exclusion threshold(mW)	382
	SAR testing required?	NO
Right Side	Antenna to user(mm)	138
	SAR exclusion threshold(mW)	942
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	161
	SAR exclusion threshold(mW)	1172
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of GSM 850	
	32.50 dBm	1778.28 mW
Left Side	Antenna to user(mm)	172
	SAR exclusion threshold(mW)	843

	SAR testing required?	YES
Bottom Side	Antenna to user(mm)	161
	SAR exclusion threshold(mW)	782
	SAR testing required?	YES
Exposure Positions	Tune-up Maximum power of GSM 1900	
	29.00 dBm	794.33 mW
Left Side	Antenna to user(mm)	172
	SAR exclusion threshold(mW)	1329
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	161
	SAR exclusion threshold(mW)	1219
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 7	
	22.00 dBm	158.49 mW
Left Side	Antenna to user(mm)	172
	SAR exclusion threshold(mW)	1316
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	161
	SAR exclusion threshold(mW)	1206
	SAR testing required?	NO
Exposure Positions	Tune-up Maximum power of LTE Band 41	
	23.50 dBm	223.87 mW
Left Side	Antenna to user(mm)	172
	SAR exclusion threshold(mW)	1316
	SAR testing required?	NO
Bottom Side	Antenna to user(mm)	161
	SAR exclusion threshold(mW)	1206
	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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f(GHZ)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- f(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	5.50	3.55	5	2.480	1.1	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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] * [√f(GHZ)/x] W/kg for test separation distances ≤ 50mm, 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	5.50	3.55	5	2.48	7.5	0.149

NOTE: Estimated SAR calculation for Bluetooth.

11. SAR Measurement Results

< GSM 850>

Test Position of Body with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Top Side	189/836.4	GPRS(GMSK 2TS)	0.156	0.062	-2.83	32.30	32.50	0.163	2026/3/5	
Back Side	189/836.4	GPRS(GMSK 2TS)	0.243	0.101	-0.31	32.30	32.50	0.254	2026/3/5	#4
Left Side	189/836.4	GPRS(GMSK 2TS)	0.027	0.011	-3.05	32.30	32.50	0.028	2026/3/5	
Right Side	189/836.4	GPRS(GMSK 2TS)	0.135	0.054	3.11	32.30	32.50	0.141	2026/3/5	
Bottom Side	189/836.4	GPRS(GMSK 2TS)	0.075	0.031	-3.16	32.30	32.50	0.079	2026/3/5	

< GSM 1900>

Test Position of Body with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Top Side	661/1880	GPRS(GMSK 2TS)	0.252	0.100	1.41	28.89	29.00	0.258	2026/3/6	
Back Side	661/1880	GPRS(GMSK 2TS)	0.405	0.169	-0.13	28.89	29.00	0.415	2026/3/6	#5
Left Side	661/1880	GPRS(GMSK 2TS)	0.045	0.019	-1.78	28.89	29.00	0.046	2026/3/6	
Right Side	661/1880	GPRS(GMSK 2TS)	0.220	0.088	2.94	28.89	29.00	0.226	2026/3/6	
Bottom Side	661/1880	GPRS(GMSK 2TS)	0.126	0.053	-3.15	28.89	29.00	0.129	2026/3/6	

< LTE Band 7>

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

with 0mm								(W/Kg)		
1RB										
Top Side	21100/2535	20M QPSK(1,49)	0.342	0.151	0.99	21.71	22.00	0.366	2026/3/10	
Back Side	21100/2535	20M QPSK(1,49)	0.524	0.236	0.20	21.71	22.00	0.560	2026/3/10	#7
Right Side	21100/2535	20M QPSK(1,49)	0.228	0.102	-2.90	21.71	22.00	0.244	2026/3/10	
50%RB										
Top Side	21100/2535	20M QPSK(50,49)	0.189	0.079	1.92	21.51	22.00	0.212	2026/3/10	
Back Side	21100/2535	20M QPSK(50,49)	0.296	0.131	0.37	21.51	22.00	0.331	2026/3/10	
Right Side	21100/2535	20M QPSK(50,49)	0.115	0.051	-1.43	21.51	22.00	0.129	2026/3/10	

< LTE Band 41>

Test Position of Body with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
1RB										
Top Side	40740/2605	20M QPSK(1,99)	0.336	0.148	3.09	22.47	23.50	0.426	2026/3/10	
Back Side	40740/2605	20M QPSK(1,99)	0.539	0.243	-0.44	22.47	23.50	0.683	2026/3/10	#8
Right Side	40740/2605	20M QPSK(1,99)	0.216	0.094	2.74	22.47	23.50	0.274	2026/3/10	
50%RB										
Top Side	40740/2605	20M QPSK(50,24)	0.177	0.085	-2.85	21.60	22.50	0.218	2026/3/10	
Back Side	40740/2605	20M QPSK(50,24)	0.294	0.135	-1.60	21.60	22.50	0.362	2026/3/10	
Right Side	40740/2605	20M QPSK(50,24)	0.128	0.055	2.82	21.60	22.50	0.157	2026/3/10	

< WiFi 2.4G>

Test	Test channel	Test Mode	SAR Value	Power	Conducted	Tune-up	Scaled	Date	Plot

Position of Body with 0mm	/Freq.		(W/kg)		Drift (±5%)	power (dBm)	power (dBm)	SAR 1g (W/Kg)		
			1g	10g						
Top Side	6/2437	802.11b	0.222	0.105	-1.06	12.19	12.50	0.238	2026/3/9	
Back Side	6/2437	802.11b	0.349	0.174	1.74	12.19	12.50	0.375	2026/3/9	#3

< WiFi 5.2G>

Test Position of Body with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Top Side	40/5200	802.11a	0.342	0.166	-1.53	8.35	8.50	0.354	2026/3/12	
Back Side	40/5200	802.11a	0.531	0.271	0.99	8.35	8.50	0.550	2026/3/12	#1

< WiFi 5.8G>

Test Position of Body with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Top Side	151/5755	802.11n HT40	0.342	0.193	3.40	7.67	8.00	0.369	2026/3/13	
Back Side	151/5755	802.11n HT40	0.531	0.303	0.72	7.67	8.00	0.573	2026/3/13	#2

< Bluetooth>

Test Position of Body with 0mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1g	10g						
Top Side	78/2480	1DH5	0.186	0.078	1.47	5.24	5.50	0.197	2026/3/9	

Back Side	78/2480	1DH5	0.300	0.128	-1.05	5.24	5.50	0.319	2026/3/9	#6

12. Simultaneous Transmission Analysis

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

1) Scalar SAR summation < 1.6W/kg.

2) SPLSR = $(SAR_1 + SAR_2)^{1.5}$ / (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 ≤ 0.04, simultaneously transmission SAR measurement is not necessary.

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

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

Exposure Position		WWAN Band	NII/DTS/DSS	Simultaneous Tx SAR(W/Kg)
		SAR(W/Kg)	SAR(W/Kg)	
Body	Front Side	/	/	/
	Back Side	0.683	0.573	1.256
	Left Side	0.046	/	0.046
	Right Side	0.274	/	0.274
	Top Side	0.426	0.369	0.795
	Bottom Side	0.129	/	0.129

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 - 850MHz
#2 System Performance Check - 1900MHz
#3 System Performance Check - 2450MHz
#4 System Performance Check - 2600MHz
#5 System Performance Check - 5200MHz
#6 System Performance Check - 5800MHz

#1

Date of measurement: 5/3/2026

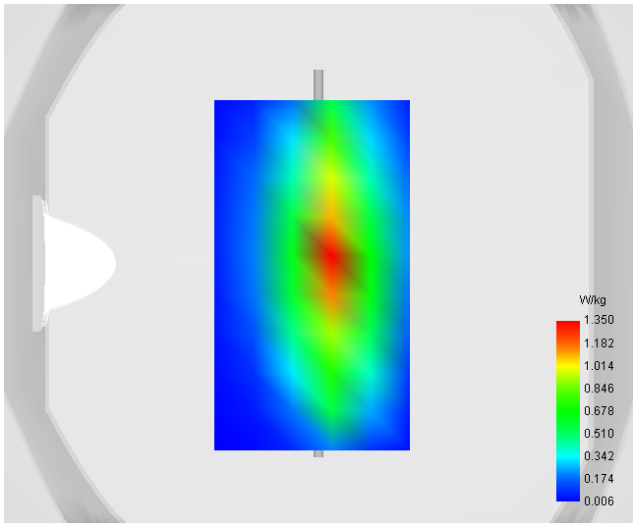
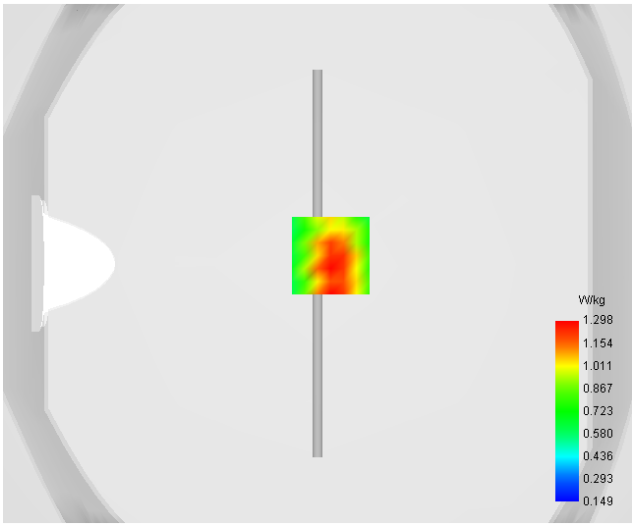
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	1.66
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	CW835
Channels/Frequency	Middle

B. Permitivity

Middle TX Frequency (MHz)	835.000
Relative permitivity (real part)	40.940
Relative permitivity (imaginary part)	19.300
Conductivity (S/m)	0.895

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

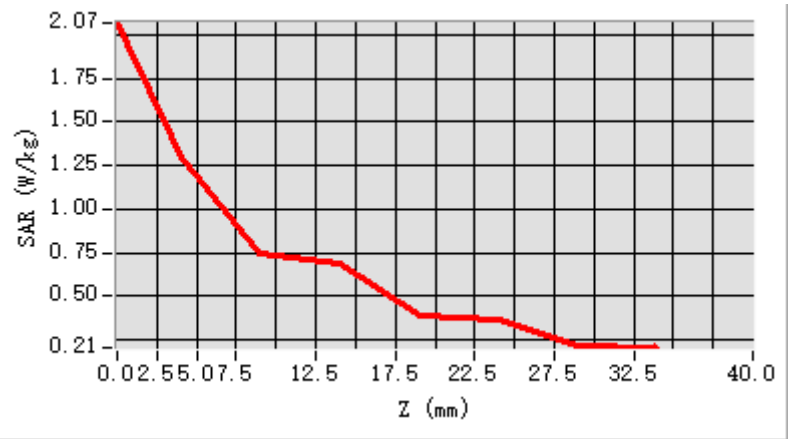
Maximum location: X=5.00, Y=3.00 ; SAR Peak: 1.90 W/kg

D. SAR 1g & 10g

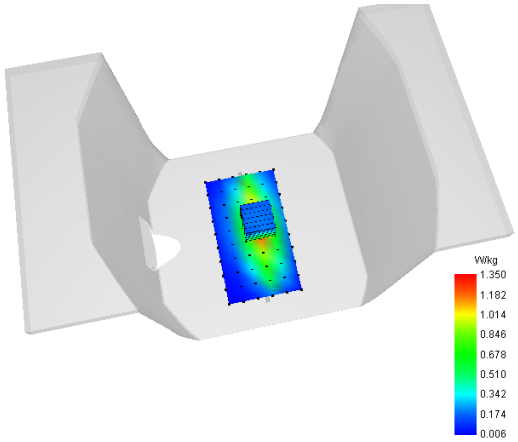
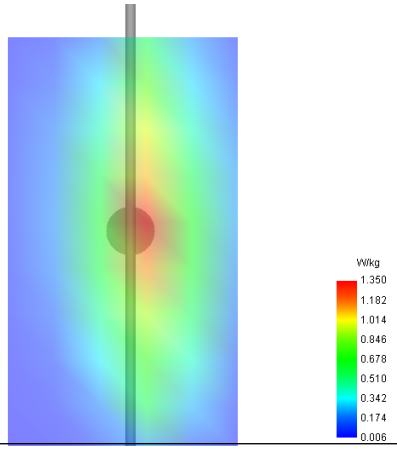
SAR 10g (W/Kg)	0.612
SAR 1g (W/Kg)	1.011
Variation (%)	2.200
Horizontal validation criteria: minimum distance (mm)	15.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	57.716049

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

3D screen shot	Hot spot position
	

#2

Date of measurement: 6/3/2026

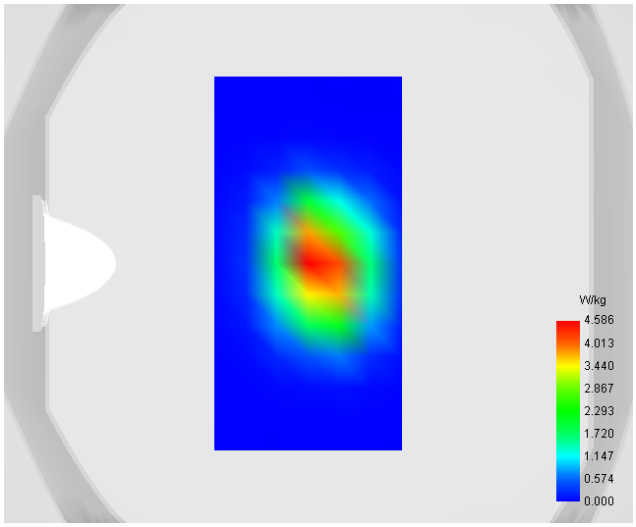
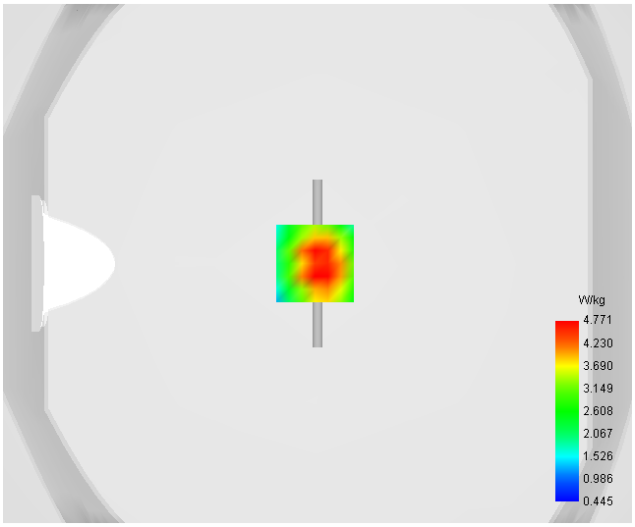
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.05
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. Permitivity

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

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

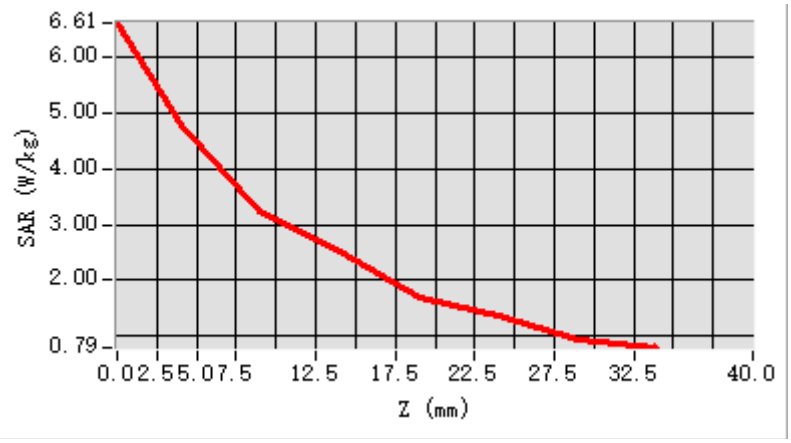
Maximum location: X=-1.00, Y=0.00 ; SAR Peak: 6.50 W/kg

D. SAR 1g & 10g

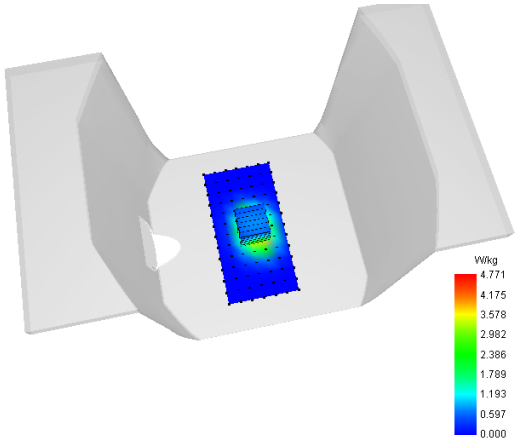
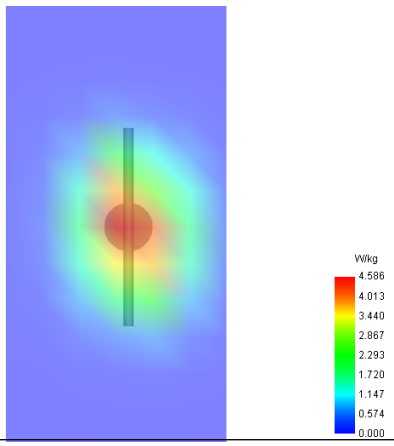
SAR 10g (W/Kg)	2.153
SAR 1g (W/Kg)	4.154
Variation (%)	1.300
Horizontal validation criteria: minimum distance (mm)	14.141203
Vertical validation criteria: SAR ratio M2/M1 (%)	67.966457

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

3D screen shot	Hot spot position
	

#3

Date of measurement: 9/3/2026

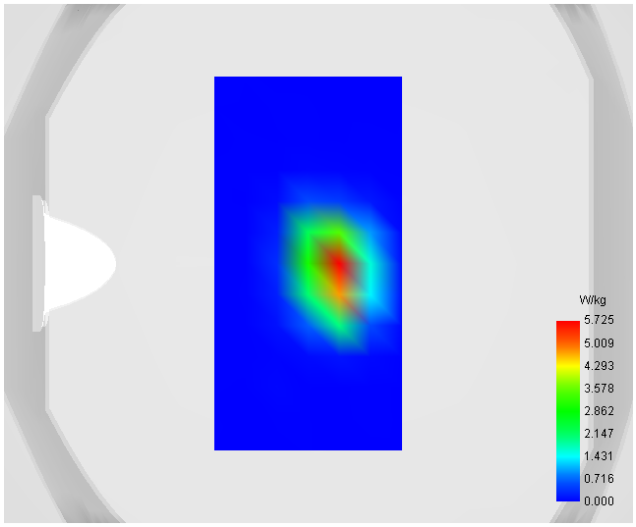
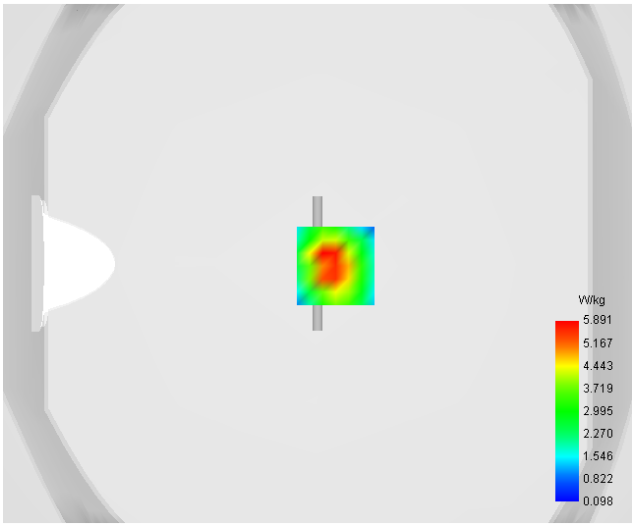
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.38
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. Permitivity

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

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

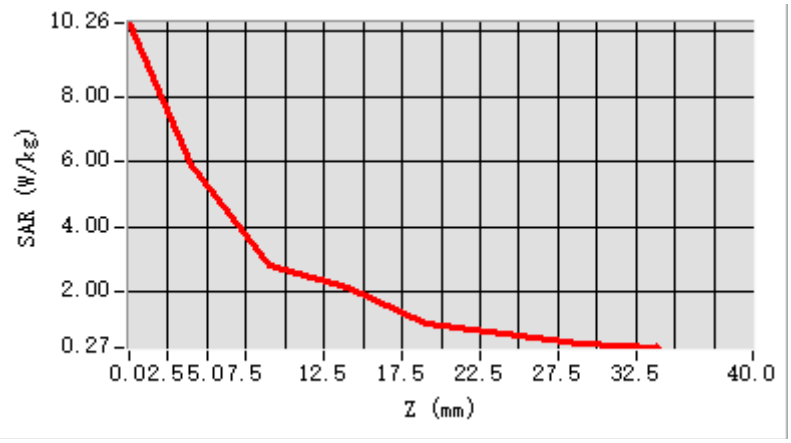
Maximum location: X=7.00, Y=-1.00 ; SAR Peak: 8.99 W/kg

D. SAR 1g & 10g

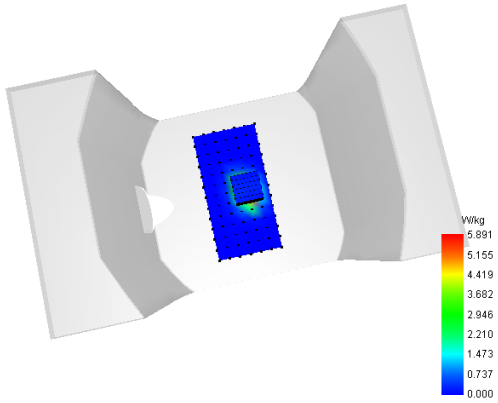
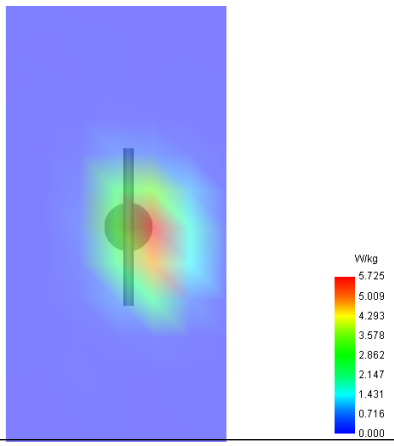
SAR 10g (W/Kg)	2.359
SAR 1g (W/Kg)	5.184
Variation (%)	-3.040
Horizontal validation criteria: minimum distance (mm)	10.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	47.564081

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

3D screen shot	Hot spot position
	

#4

Date of measurement: 10/3/2026

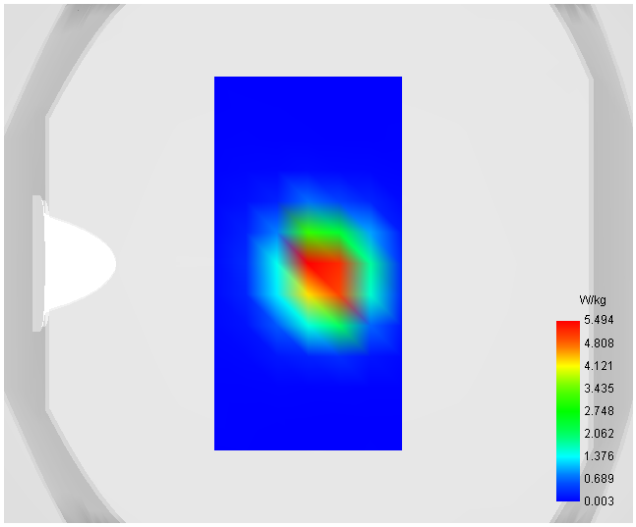
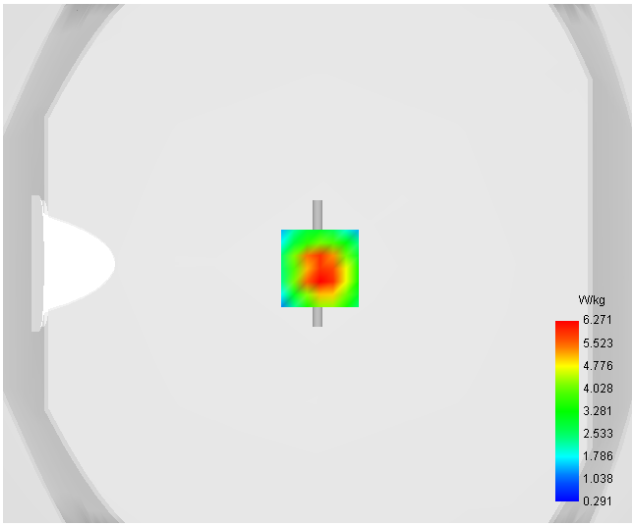
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.35
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. Permitivity

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

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

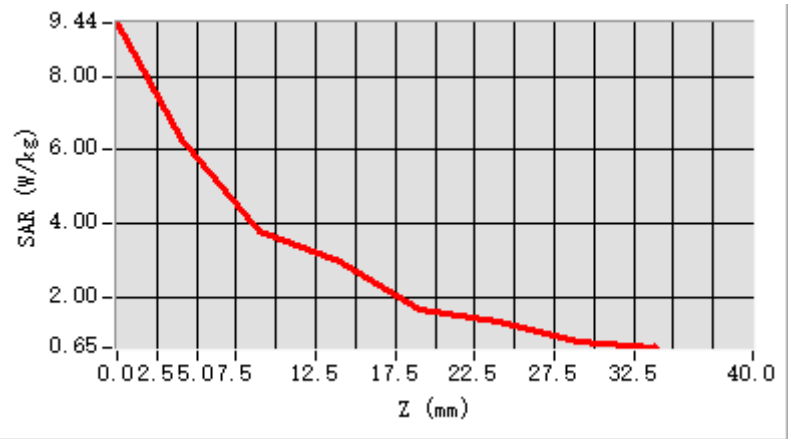
Maximum location: X=1.00, Y=-2.00 ; SAR Peak: 8.65 W/kg

D. SAR 1g & 10g

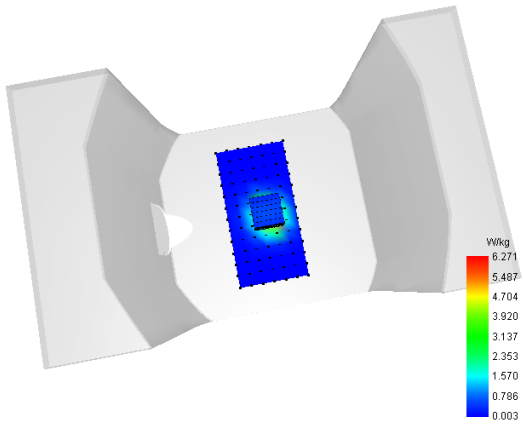
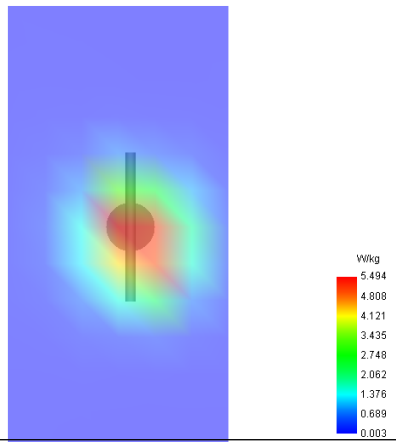
SAR 10g (W/Kg)	2.523
SAR 1g (W/Kg)	5.433
Variation (%)	-0.710
Horizontal validation criteria: minimum distance (mm)	11.180340
Vertical validation criteria: SAR ratio M2/M1 (%)	60.197736

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

3D screen shot	Hot spot position
	

#5

Date of measurement: 12/3/2026

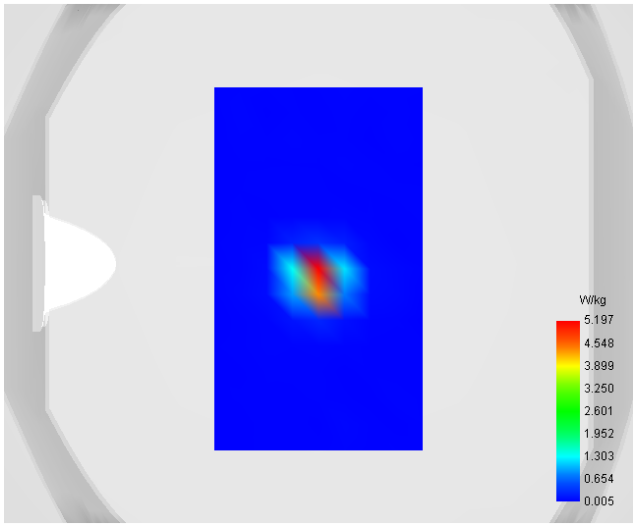
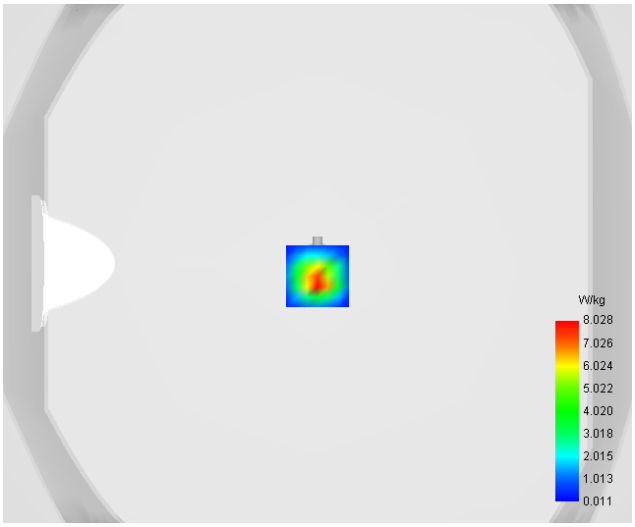
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.30
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. Permitivity

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

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

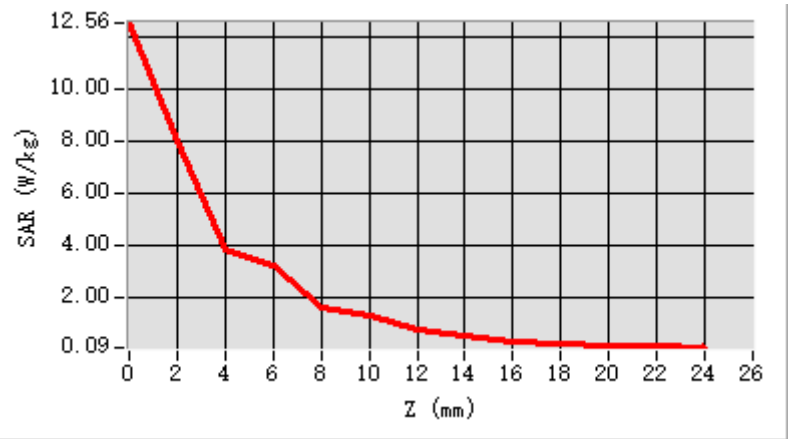
Maximum location: X=0.00, Y=-5.00 ; SAR Peak: 13.42 W/kg

D. SAR 1g & 10g

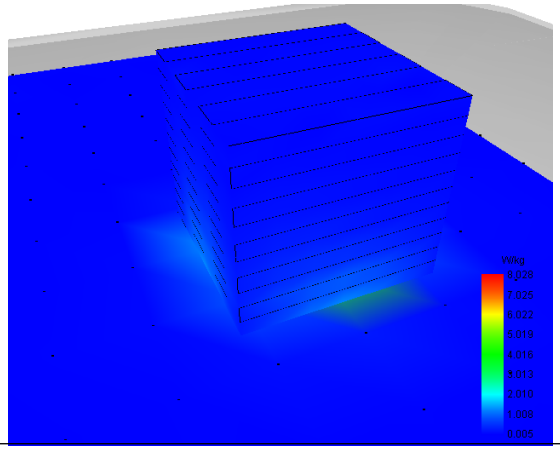
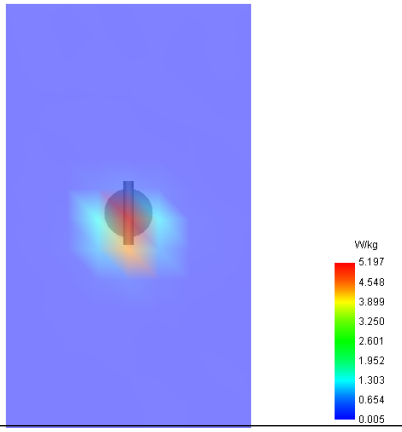
SAR 10g (W/Kg)	1.303
SAR 1g (W/Kg)	3.678
Variation (%)	4.620
Horizontal validation criteria: minimum distance (mm)	4.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	48.169909

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

3D screen shot	Hot spot position
	

#6

Date of measurement: 13/3/2026

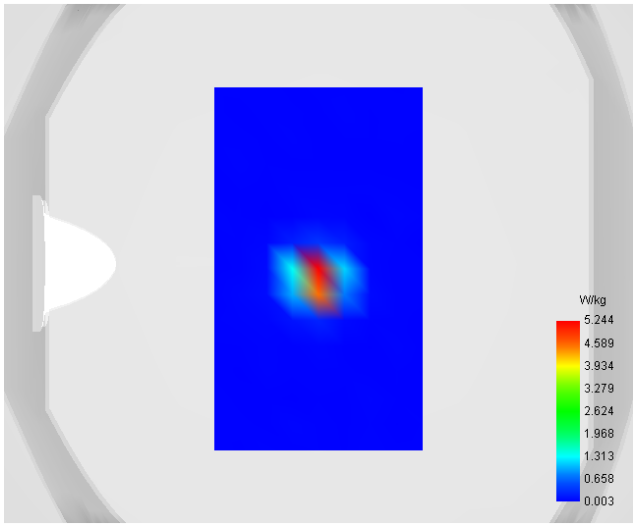
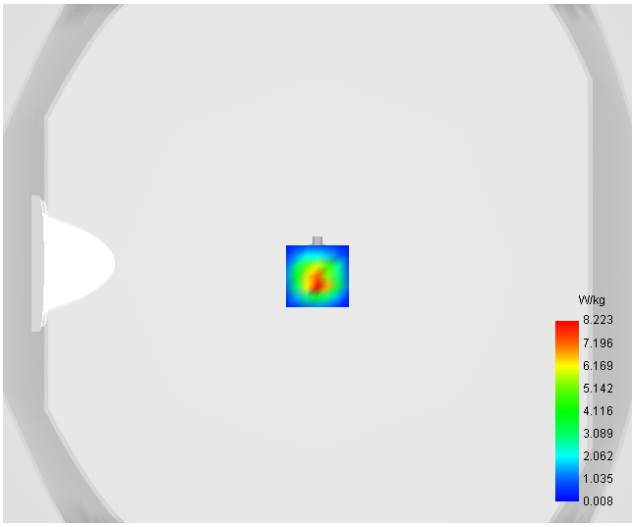
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.27
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. Permitivity

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

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

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

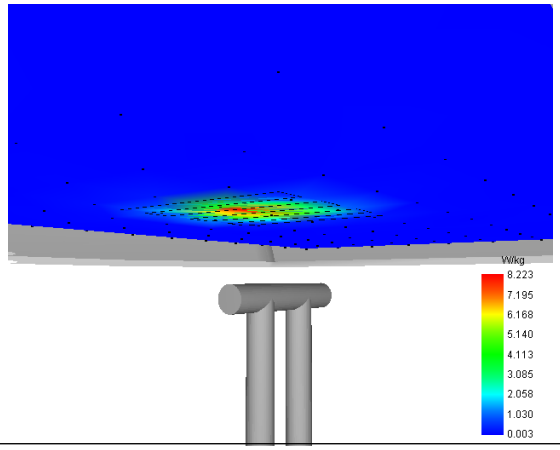
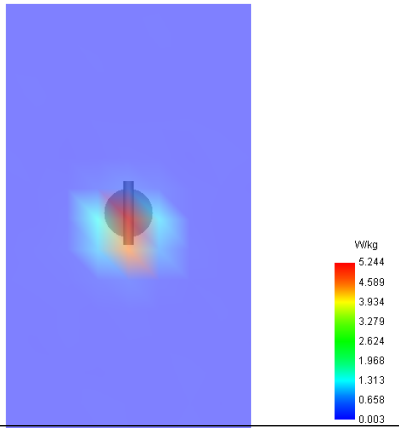
D. SAR 1g & 10g

SAR 10g (W/Kg)	1.406
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

3D screen shot	Hot spot position
	

Appendix C. SAR Test Plots

Table of contents
#1 WALN 5.2G Body
#2 WALN 5.8G Body
#3 WALN 2.4G Body
#4 GSM 850 Body
#5 GSM 1900 Body
#6 Bluetooth Body
#7 LTE Band 7 Body
#8 LTE Band 41 Body

#1

Date of measurement: 12/3/2026

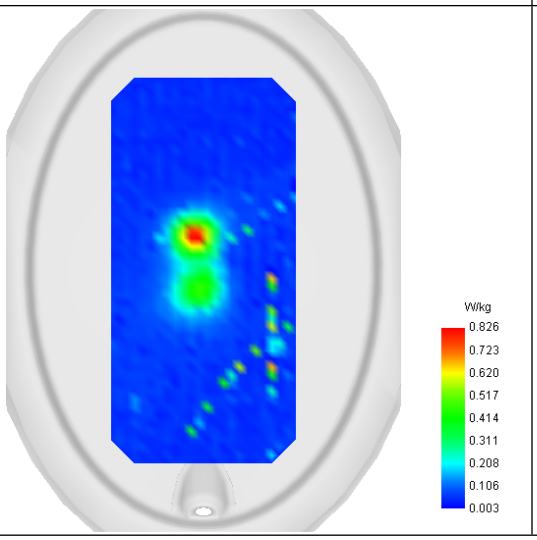
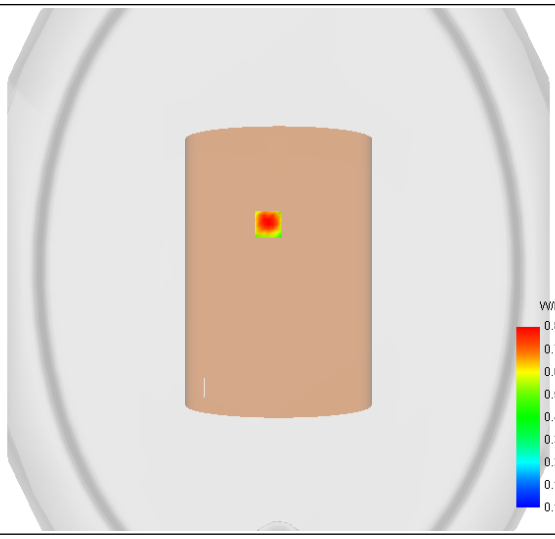
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	1.97
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	Middle (40)/ frequency 5200.000 Mhz

B. Permitivity

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

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

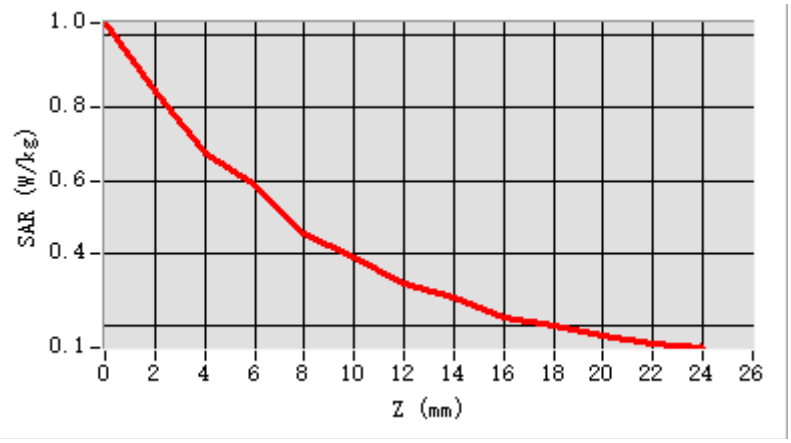
Maximum location: X=-9.00, Y=41.00 ; SAR Peak: 1.08 W/kg

D. SAR 1g & 10g

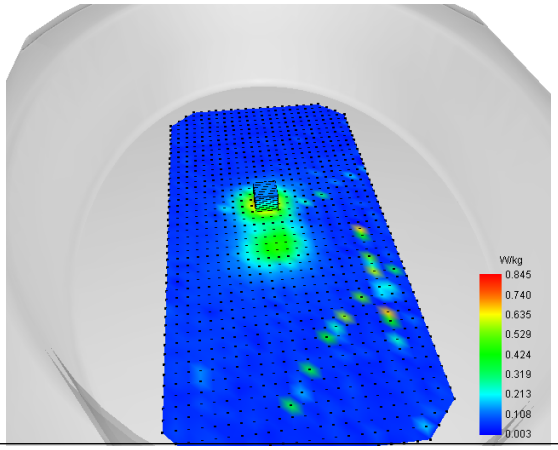
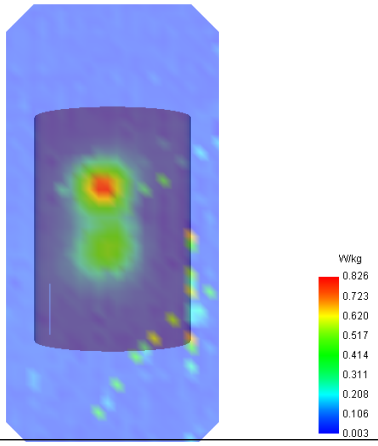
SAR 10g (W/Kg)	0.271
SAR 1g (W/Kg)	0.531
Variation (%)	0.990
Horizontal validation criteria: minimum distance (mm)	13.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	79.644970

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)	1.033	0.845	0.673	0.585	0.453	0.387	0.320	0.281	0.224	0.201	0.175	0.153



F. 3D Image

3D screen shot	Hot spot position
	

#2

Date of measurement: 13/3/2026

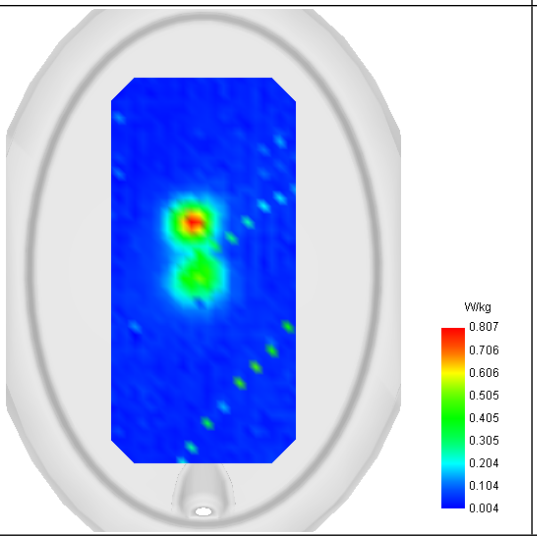
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	1.94
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. Permitivity

Middle TX Frequency (MHz)	5755.000
Relative permitivity (real part)	35.312
Relative permitivity (imaginary part)	16.352
Conductivity (S/m)	5.228

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

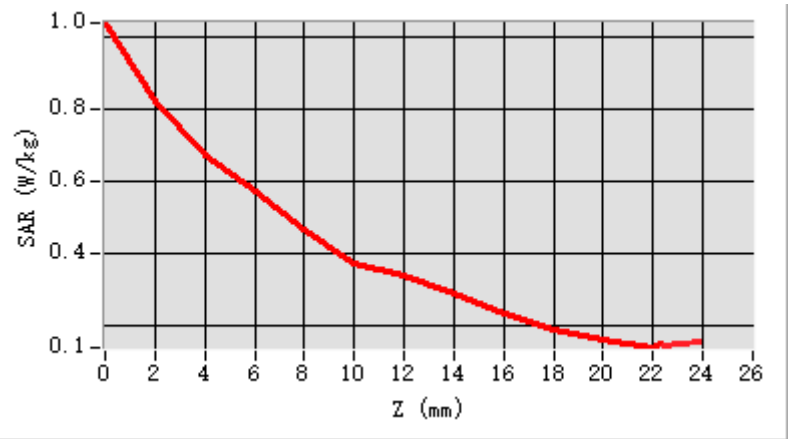
Maximum location: X=-14.00, Y=60.00 ; SAR Peak: 1.00 W/kg

D. SAR 1g & 10g

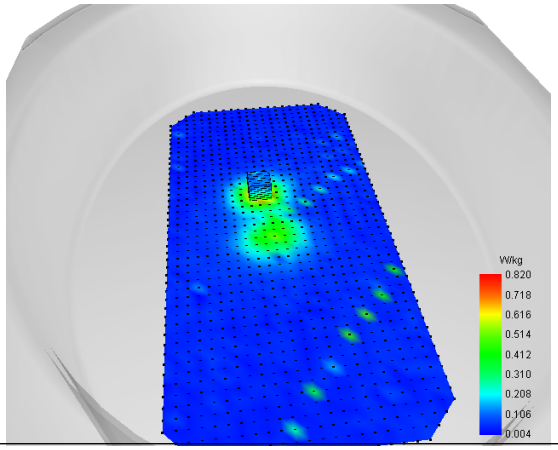
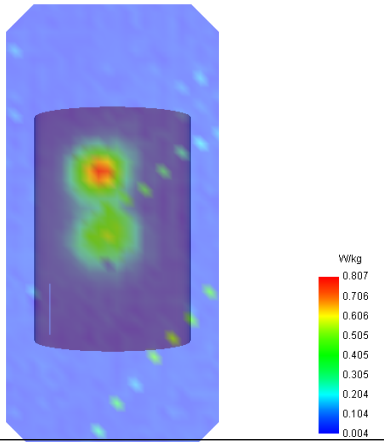
SAR 10g (W/Kg)	0.303
SAR 1g (W/Kg)	0.531
Variation (%)	0.720
Horizontal validation criteria: minimum distance (mm)	14.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	82.073171

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)	1.039	0.820	0.673	0.570	0.467	0.373	0.338	0.288	0.230	0.185	0.158	0.137



F. 3D Image

3D screen shot	Hot spot position
	

#3

Date of measurement: 9/3/2026

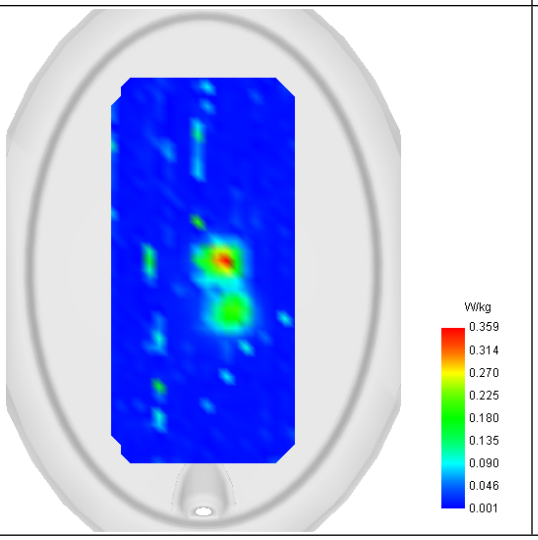
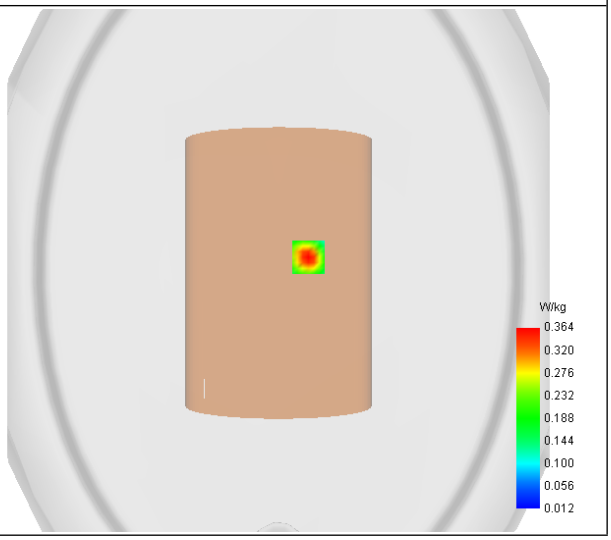
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.85
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. Permitivity

Middle TX Frequency (MHz)	2437.000
Relative permitivity (real part)	39.226
Relative permitivity (imaginary part)	13.207
Conductivity (S/m)	1.788

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

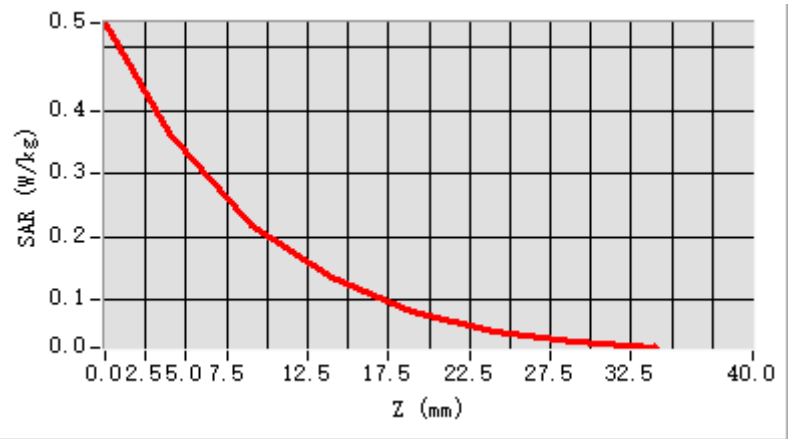
Maximum location: X=27.00, Y=12.00 ; SAR Peak: 0.55 W/kg

D. SAR 1g & 10g

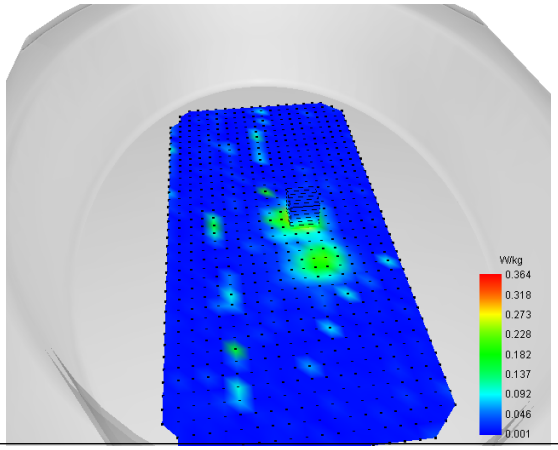
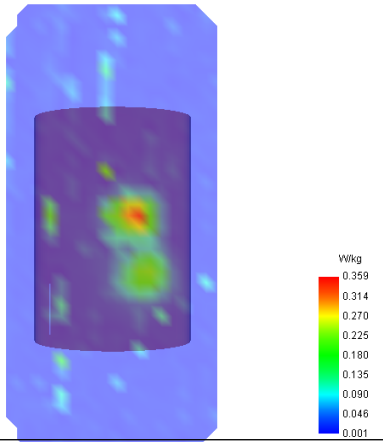
SAR 10g (W/Kg)	0.174
SAR 1g (W/Kg)	0.349
Variation (%)	1.740
Horizontal validation criteria: minimum distance (mm)	15.811388
Vertical validation criteria: SAR ratio M2/M1 (%)	59.890110

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.538	0.364	0.218	0.135	0.082	0.050	0.034



F. 3D Image

3D screen shot	Hot spot position
	

#4

Date of measurement: 5/3/2026

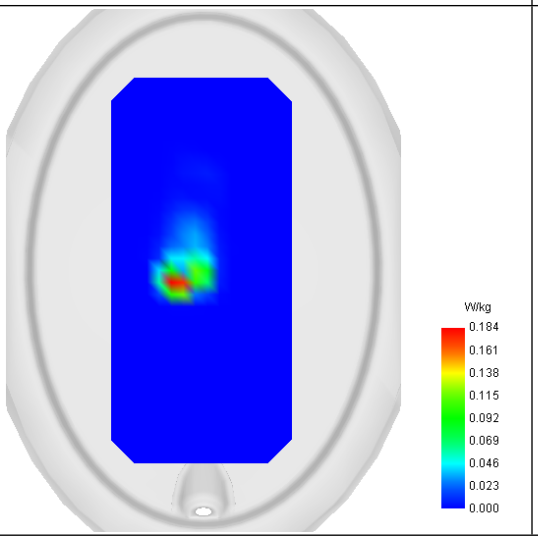
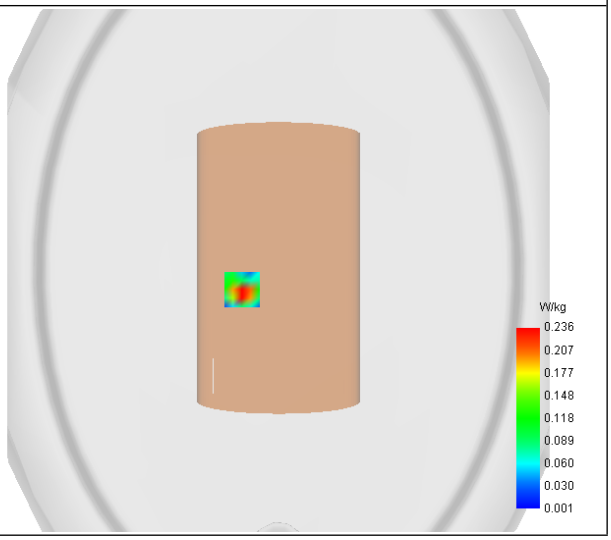
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	1.66
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 836.40 Mhz

B. Permitivity

Middle TX Frequency (MHz)	836.40
Relative permitivity (real part)	41.500
Relative permitivity (imaginary part)	19.400
Conductivity (S/m)	0.901

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

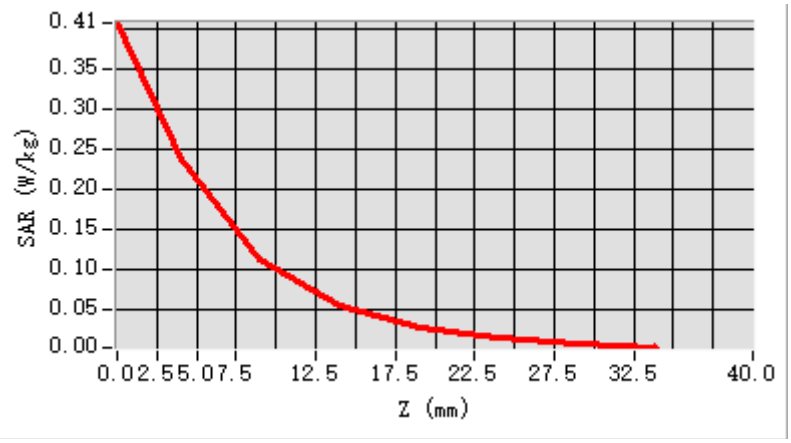
Maximum location: X=-33.00, Y=-17.00 ; SAR Peak: 0.47 W/kg

D. SAR 1g & 10g

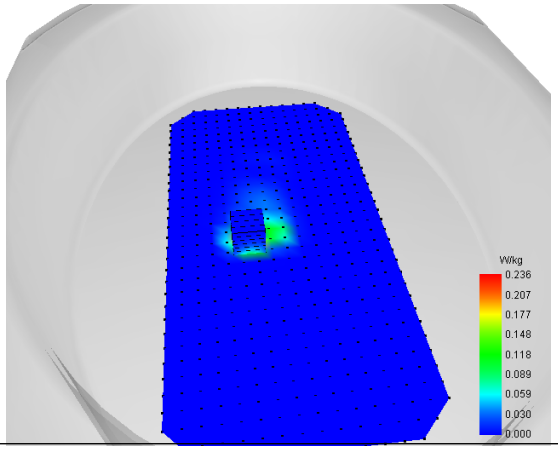
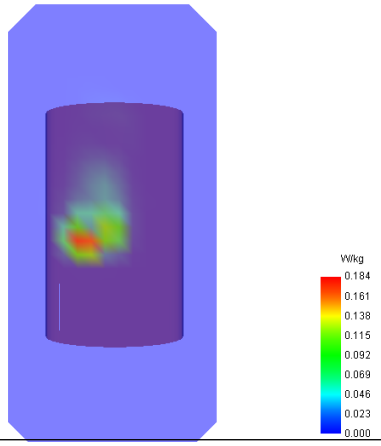
SAR 10g (W/Kg)	0.101
SAR 1g (W/Kg)	0.243
Variation (%)	-0.310
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	47.881356

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.407	0.236	0.113	0.056	0.029	0.015	0.007



F. 3D Image

3D screen shot	Hot spot position
	

#5

Date of measurement: 6/3/2026

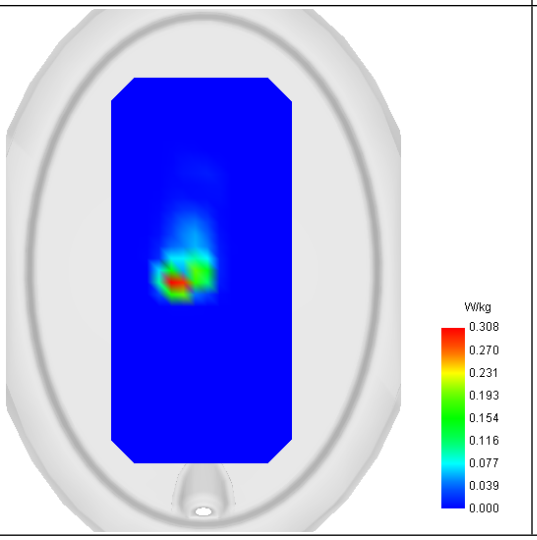
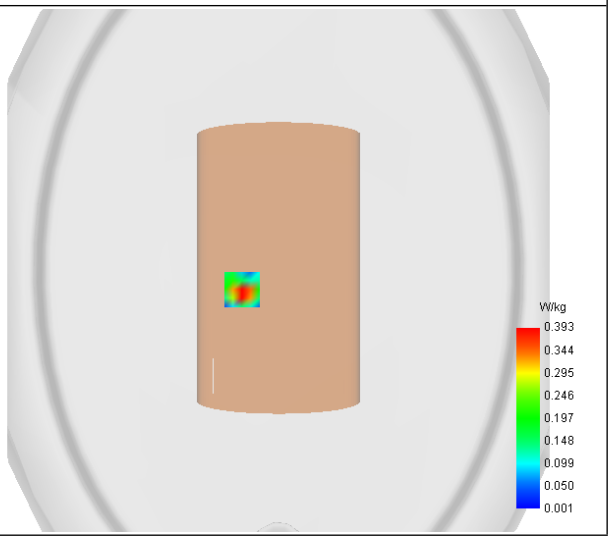
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.05
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 1880.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	1880.00
Relative permitivity (real part)	40.000
Relative permitivity (imaginary part)	13.408
Conductivity (S/m)	1.400

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

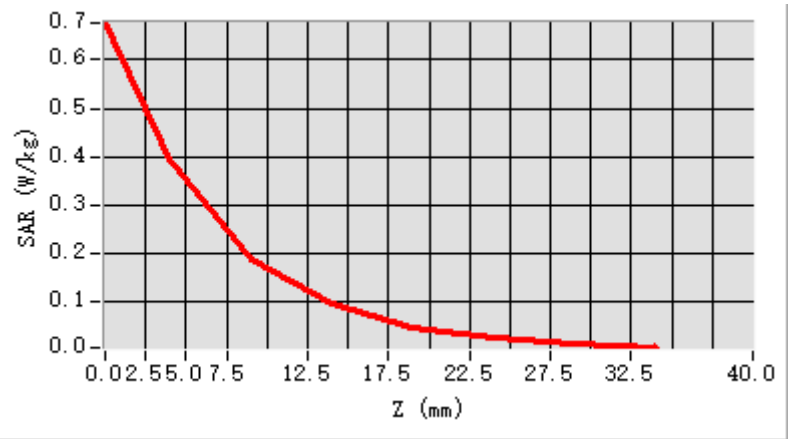
Maximum location: X=-33.00, Y=-17.00 ; SAR Peak: 0.78 W/kg

D. SAR 1g & 10g

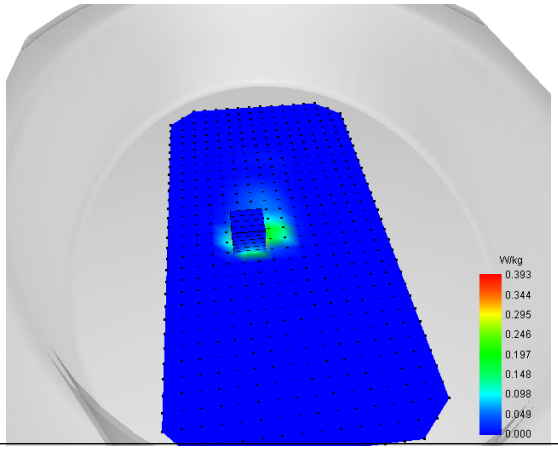
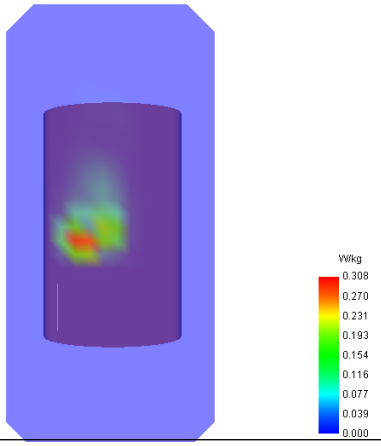
SAR 10g (W/Kg)	0.169
SAR 1g (W/Kg)	0.405
Variation (%)	-0.130
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	48.091603

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.676	0.393	0.189	0.094	0.048	0.024	0.012



F. 3D Image

3D screen shot	Hot spot position
	

#6

Date of measurement: 9/3/2026

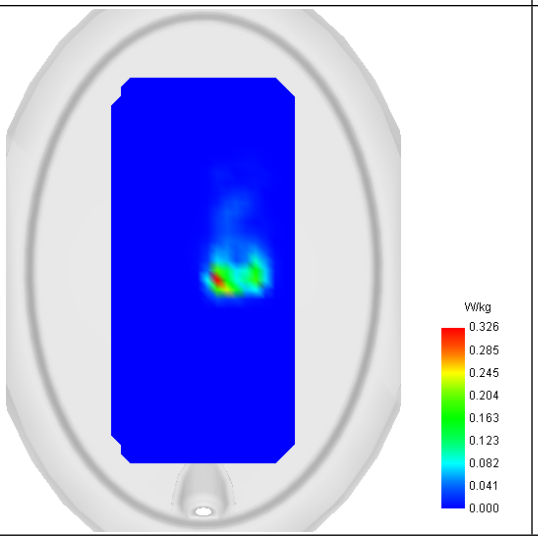
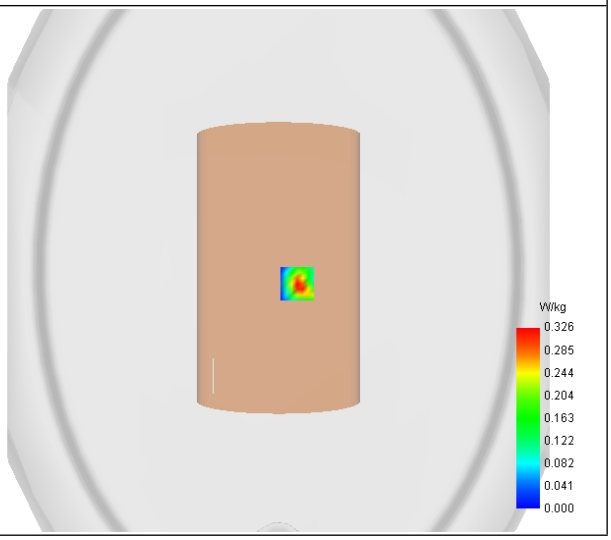
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.38
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	ELLI
Device Position	Body
Band	Bluetooth
Channels/Frequency	High (78)/ frequency 2480.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	2480.00
Relative permitivity (real part)	39.218
Relative permitivity (imaginary part)	13.211
Conductivity (S/m)	1.820

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

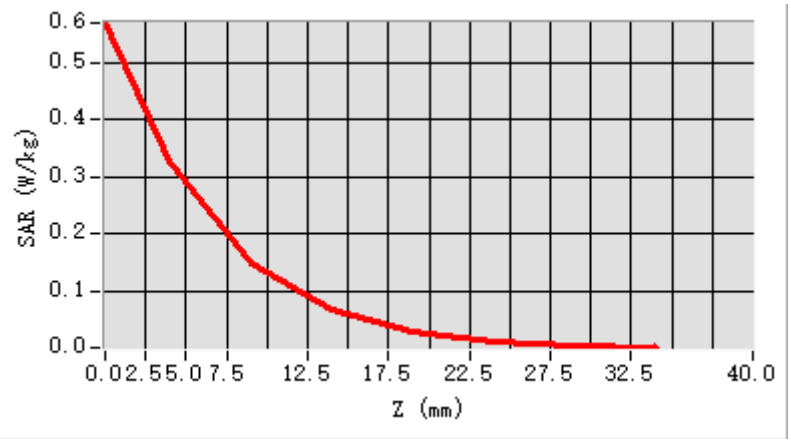
Maximum location: X=17.00, Y=-12.00 ; SAR Peak: 0.58 W/kg

D. SAR 1g & 10g

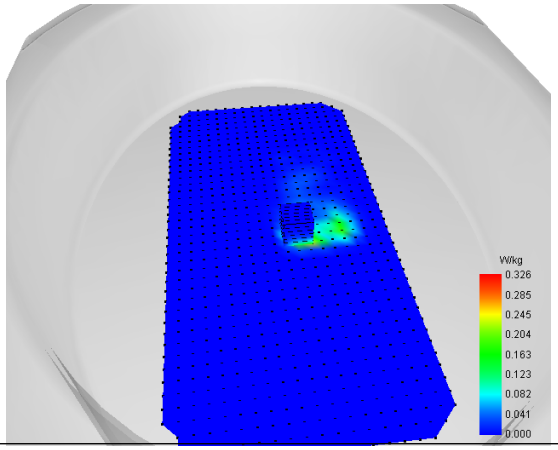
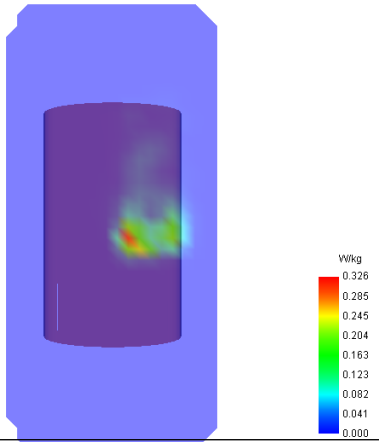
SAR 10g (W/Kg)	0.128
SAR 1g (W/Kg)	0.300
Variation (%)	-1.050
Horizontal validation criteria: minimum distance (mm)	10.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	46.012270

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.570	0.326	0.150	0.069	0.031	0.013	0.004



F. 3D Image

3D screen shot	Hot spot position
	

#7

Date of measurement: 10/3/2026

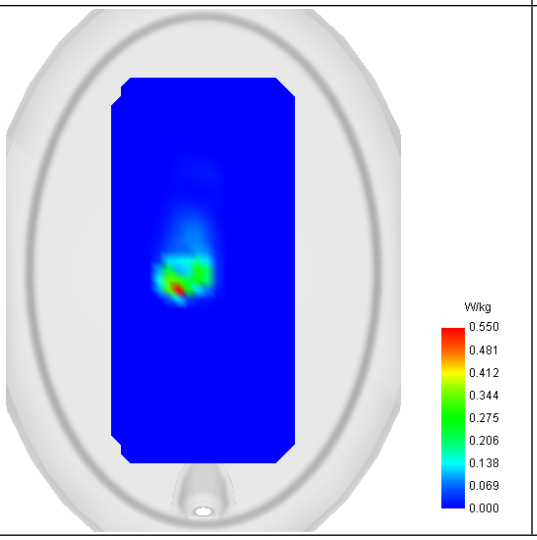
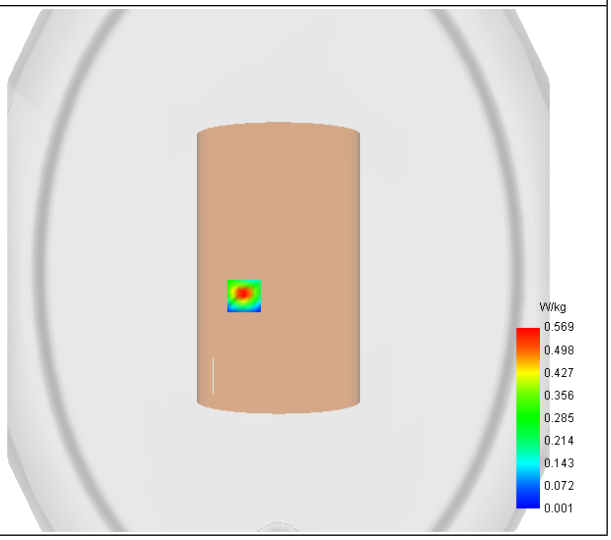
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.35
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. Permitivity

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

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

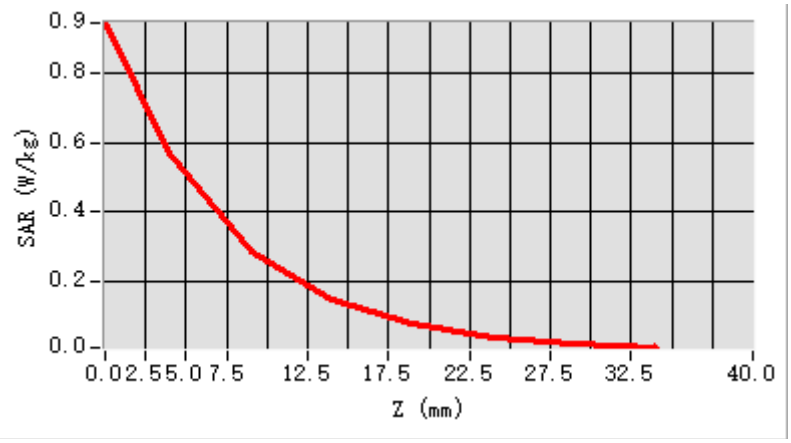
Maximum location: X=-31.00, Y=-23.00 ; SAR Peak: 0.96 W/kg

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

3D screen shot	Hot spot position