

FCC SAR EVALUATION REPORT

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

Product Name : 4G Smart watch

Brand Name : LAGENIO

Model Name : K3

Family Model : L36E

Report No. : N25101101506E

FCC ID : 2BSSA-K3

Prepared for

HK LAGENIO TECHNOLOGY CO.,LIMITED

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TEST RESULT CERTIFICATION**Applicant's name** HK LAGENIO TECHNOLOGY CO.,LIMITED

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Manufacturer's Name . SHENZHEN LAGENIO TECHNOLOGY CO.,LIMITEDAddress Floor 12th, Block B, Longhua Digital Innovation Center, North Station
Community,Minzhi Street, Longhua District, Shenzhen,China**Product description**

Product name 4G Smart watch

Brand Name LAGENIO

Model and/or type
reference K3

Family Model L36E

FCC 47 CFR Part 2(2.1093)

Standards IEEE Std 1528-2013

Published RF exposure KDB procedures

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

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Test Sample Number S2510130144-1#

Date of Test

Date (s) of performance of tests .. Oct. 17, 2025~ Oct. 28, 2025

Date of Issue..... Nov. 6, 2025

Test Result..... **Pass**Prepared By : Owen Xiao
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 Revision History
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REV.	DESCRIPTION	ISSUED DATE	REMARK
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1. General Information

1.1. RF exposure limits

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

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

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

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

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

Occupational/Controlled Environments:

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

General Population/Uncontrolled Environments:

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

NOTE

HEAD AND TRUNK LIMIT

1.6 W/kg , EXTREMITY LIMIT 4.0 W/kg

APPLIED TO THIS EUT

1.2. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for K3 are as follows.

Max SAR Value(W/kg)		
RF Exposure Conditions	1-g Front-of-Face (Separation distance of 10mm)	10-g Limb-worn (Separation distance of 0mm)
	0.300	1.634
Max Simultaneous Tx	0.324	3.070

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

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

1.3. EUT Description

Device Information			
Product Name	4G Smart watch		
Brand Name	LAGENIO		
Model Name	K3		
Family Model	L36E		
Model Difference	All models have the same circuit and RF module, except for model name.		
FCC ID	2BSSA-K3		
Device Phase	Identical Prototype		
Exposure Category	General population / Uncontrolled environment		
Antenna Type	LDS Antenna		
Battery Information	DC 3.85V, 770mAh, 2.9645Wh		
Power supply	DC 3.85V from battery or DC 5V from magnetic charging port		
HW Version	ZT02-MB-V3.0		
SW Version	L36E_M_F91_WC_V004_251016		
Device Operating Configurations			
Supporting Mode(s)	GSM850/1900,WCDMABand2/4/5,LTEBand2/4/5/7/12/13/17/26a/26b/41/66 /WLAN 2.4G		
Test Modulation	GSM(GMSK), WCDMA(QPSK), LTE(QPSK/16QAM), WLAN(DSSS/OFDM)		
Device Class	B		
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	GSM 850	824-849	869-894
	GSM 1900	1850-1910	1930-1990

	WCDMA Band 2	1850-1910	1930-1990
	WCDMA Band 4	1710-1755	2110-2155
	WCDMA Band 5	824-849	869-894
	LTE Band 2	1850-1910	1930-1990
	LTE Band 4	1710-1755	2110-2155
	LTE Band 5	824-849	869-894
	LTE Band 7	2500-2570	2620-2690
	LTE Band 12	699-716	729-746
	LTE Band 13	777-787	746-756
	LTE Band 17	704-716	734-746
	LTE Band 26a	814-824	859-869
	LTE Band 26b	824-849	869-894
	LTE Band 41	2535-2655	
	LTE Band 66	1710-1780	2110-2200
	WLAN 2.4G	2412-2462	
Power Class	4, tested with power level 5(GSM 850)		
	1, tested with power level 0(GSM 1900)		
	3, tested with power control “all 1”(WCDMA Band 2)		
	3, tested with power control “all 1”(WCDMA Band 4)		
	3, tested with power control “all 1”(WCDMA Band 5)		
	3, tested with power control all Max.(LTE Band 2)		
	3, tested with power control all Max.(LTE Band 4)		
	3, tested with power control all Max.(LTE Band 5)		
	3, tested with power control all Max.(LTE Band 7)		
	3, tested with power control all Max.(LTE Band 12)		
	3, tested with power control all Max.(LTE Band 13)		
	3, tested with power control all Max.(LTE Band 17)		
	3, tested with power control all Max.(LTE Band 26)		
	3, tested with power control all Max.(LTE Band 41)		
	3, tested with power control all Max.(LTE Band 66)		

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;
KDB447498 D04 Interim General RF Exposure Guidance v01
KDB 248227 D01 802.11 Wi-Fi SAR v02r02;
KDB 941225 D01 3G SAR Procedures v03r01 ;

KDB 941225 D05 SAR for LTE Devices v01r02

1.5. Ambient Condition

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

1.6. Facilities And Accreditations

1.6.1. Facilities

All measurement facilities used to collect the measurement data are located at Building 1, No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China

The sites are constructed in conformance with the requirements of IEC/IEEE 1528:2013

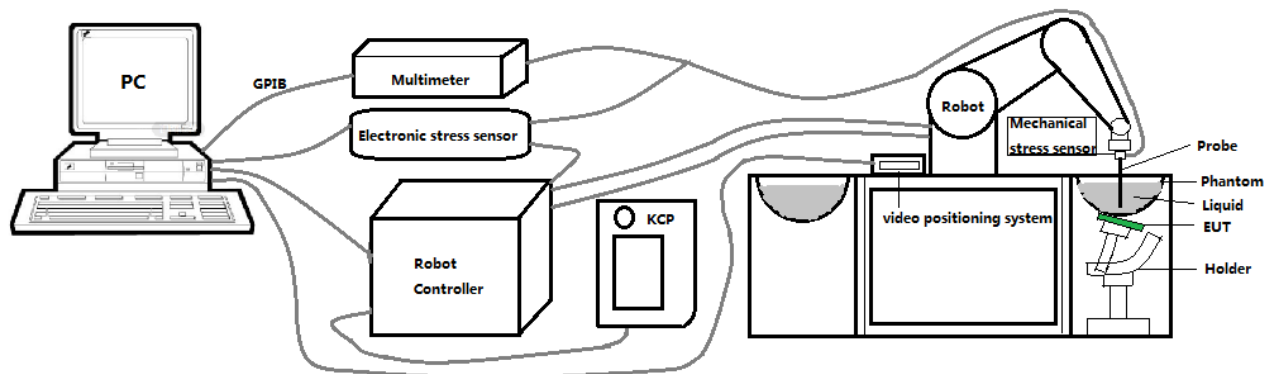
1.6.2. Laboratory Accreditations And Listings

Site Description

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

2. SAR Measurement System

2.1. SATIMO SAR Measurement Set-up Diagram



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

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

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

2.2. Robot

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



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

2.3. E-Field Probe

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

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



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

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

2.3.1. E-Field Probe Calibration

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

2.4. SAM phantoms

Photo of SAM phantom SN 16/15 SAM119

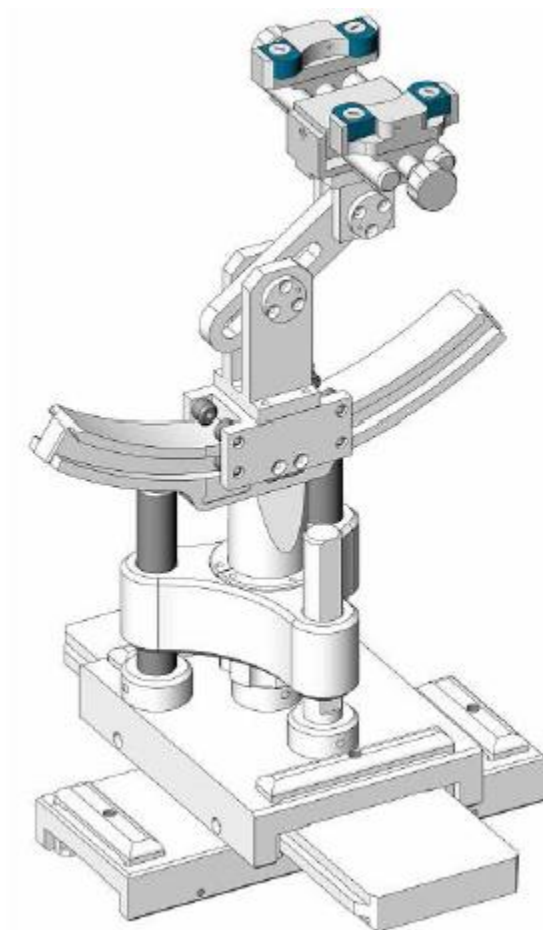


The SAM phantom is used to measure the SAR relative to people exposed to electro-magnetic field radiated by Mobile Phones.

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

2.5. Device Holder

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



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

2.6. Test Equipment List

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

Devices used during the test described are marked ☒

	Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
					Last Cal.	Due Date
☒	MVG	E FIELD PROBE	SSE2	0725-EPGO-448	Apr. 15, 2025	Apr. 14, 2026
☒	MVG	750 MHz Dipole	SID750	SN 03/15 DIP 0G750-355	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	835 MHz Dipole	SID835	SN 03/15 DIP 0G835-347	Feb. 21, 2024	Feb. 20, 2027
☐	MVG	900 MHz Dipole	SID900	SN 03/15 DIP 0G900-348	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	1800 MHz Dipole	SID1800	SN 03/15 DIP 1G800-349	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	1900 MHz Dipole	SID1900	SN 03/15 DIP 1G900-350	Feb. 21, 2024	Feb. 20, 2027
☐	MVG	2000 MHz Dipole	SID2000	SN 03/15 DIP 2G000-351	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	2450 MHz Dipole	SID2450	SN 03/15 DIP 2G450-352	Feb. 21, 2024	Feb. 20, 2027
☐	MVG	2600 MHz Dipole	SID2600	SN 03/15 DIP 2G600-356	Feb. 21, 2024	Feb. 20, 2027
☐	MVG	3500 MHz Dipole	SID3500	SN 09/12 DIP 3G500-360	Oct. 15, 2022	Oct. 14, 2025
☐	MVG	3700 MHz Dipole	SID3700	SN 09/12 DIP 3G/700-361	Oct. 15 2022	Oct. 14 2025
☐	MVG	5000 MHz Dipole	SWG5500	SN 13/14 WGA 33	Feb. 21, 2024	Feb. 20, 2027
☒	MVG	Liquid measurement Kit	SCLMP	SN 21/15 OCPG 72	NCR	NCR
☒	MVG	Power Amplifier	N/A	AMPLISAR_28/14_003	NCR	NCR
☒	KEITHLEY	Millivoltmeter	2000	4072790	Nov. 29, 2024	Nov. 28, 2025
☒	R&S	Universal radio communication tester	CMU200	105747	Apr. 17, 2025	Apr. 16, 2026

☒	R&S	Wideband radio communication tester	CMW500	103917	May. 12, 2025	May. 11, 2026
☐	Anritsu	4G LTE comprehensive tester	MT8821C	6262192315	Apr.16 2025	Apr.15 2026
☐	Anritsu	5G NR comprehensive tester	MT8000A	6262186364	Apr.16 2025	Apr.15 2026
☒	HP	Network Analyzer	E5071C	LPS-461	Oct. 15, 2024	Oct. 14, 2025
☒	Agilent	Calibration Kit	85033E	N/A	May. 31, 2024	May. 30, 2027
☒	Agilent	MXG Vector Signal Generator	N5182A	MY47070317	Apr. 17, 2025	Apr. 16, 2026
☒	Agilent	Power sensor	E9301A	LES-413-C	May. 6, 2025	May. 5, 2026
☒	Agilent	Power sensor	E9301A	US39212148	Apr. 17, 2025	Apr. 16, 2026
☒	MCLI/USA	Directional Coupler	CB11-20	0D2L51502	Apr. 26, 2024	Apr. 25, 2027
☒	N/A	Thermometer	N/A	LES-085	Mar. 27, 2023	Mar. 26, 2026
☒	MVG	SAM Phantom	SSM2	SN 16/15 SAM119	NCR	NCR
☒	MVG	Device Holder	SMPPD	SN 16/15 MSH100	NCR	NCR

Measurement Software

Manufacturer	Software Name	Software Version
SATIMO	OpenSAR	V5.3.15.11

3. SAR Measurement Procedures

The measurement procedures are as follows:

<Conducted power measurement>

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

<SAR measurement>

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

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

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

3.1. Power Reference

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

3.2. Area scan & Zoom scan

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

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

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

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

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

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

Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.

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

3.3. Description of interpolation/extrapolation scheme

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

An extrapolation is used to determine this highest local SAR value. 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 with full charged battery and transmit maximum output power. In OpenSAR measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in V/m. If the power drifts more than $\pm 5\%$, the SAR will be retested.

4. System Verification Procedure

4.1. Tissue Verification

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

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

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

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

4.1.1. Tissue Dielectric Parameter Check Results

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

Tissue Type	Measured Frequency (MHz)	Target Tissue		Measured Tissue		Delta(%)		Liquid Temp.	Test Date
		ϵ_r	σ (S/m)	ϵ_r	σ (S/m)	ϵ_r	σ (S/m)		
Head 750	750	41.90	0.89	40.42	0.90	-3.53	1.12	21.2 °C	Oct. 27, 2025
Head 835	835	41.50	0.90	41.42	0.90	-0.19	0.00	21.6 °C	Oct. 17, 2025
Head 1800	1800	40.00	1.40	38.67	1.38	-3.33	-1.43	21.9 °C	Oct. 18, 2025
Head 1900	1900	40.00	1.40	38.40	1.45	-4.00	3.57	21.3 °C	Oct. 19, 2025
Head 2450	2450	39.20	1.80	38.14	1.86	-2.70	3.33	21.6 °C	Oct. 28, 2025
Head 2600	2600	39.01	1.96	40.06	2.02	2.69	3.06	21.8 °C	Oct. 20, 2025

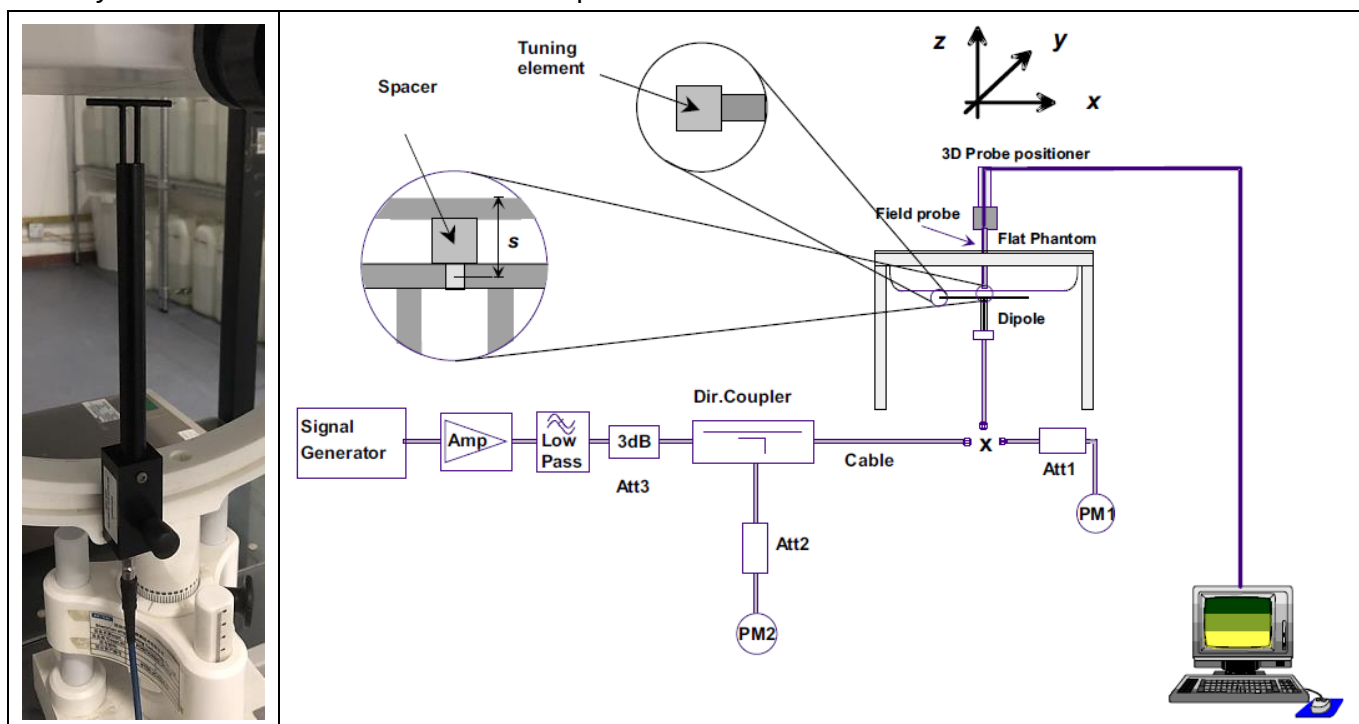
NOTE: 1. The dielectric parameters of the tissue-equivalent liquid should be measured under similar ambient conditions and within 2 °C of the conditions expected during the SAR evaluation to satisfy protocol requirements.

2. Tested by : Max Zhou , Jack Peng

4.2. System Verification Procedure

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

The system verification is shown as below picture:



4.2.1. System Verification Results

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

System Verification	Target SAR (1W)		Measured SAR			Measured SAR		Delta (%)		Liquid Temp.	Test Date
						(Normalized to 1W)					
	1-g (W/Kg)	10-g (W/Kg)	Input Power (mW)	1-g (W/Kg)	10-g (W/Kg)	1-g (W/Kg)	10-g (W/Kg)	1-g (%)	10-g (%)		
750MHz	8.60	5.78	100.00	0.91	0.55	9.08	5.49	5.58	-5.02	21.2 °C	Oct. 27, 2025
835MHz	9.40	6.28	100.00	1.03	0.61	10.31	6.13	9.68	-2.39	21.6 °C	Oct. 17, 2025
1800MHz	37.06	20.01	100.00	3.72	1.89	37.21	18.85	0.40	-5.80	21.9 °C	Oct. 18, 2025
1900MHz	39.69	20.92	100.00	4.16	1.98	41.58	19.83	4.76	-5.21	21.3 °C	Oct. 19, 2025
2450MHz	50.05	23.80	100.00	5.15	2.24	51.48	22.41	2.86	-5.84	21.6 °C	Oct. 28, 2025
2600MHz	54.16	24.85	100.00	5.51	2.34	55.14	23.44	1.81	-5.67	21.8 °C	Oct. 20, 2025

Tested by : Max Zhou , Jack Peng

5. SAR Measurement variability and uncertainty

5.1. SAR measurement variability

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

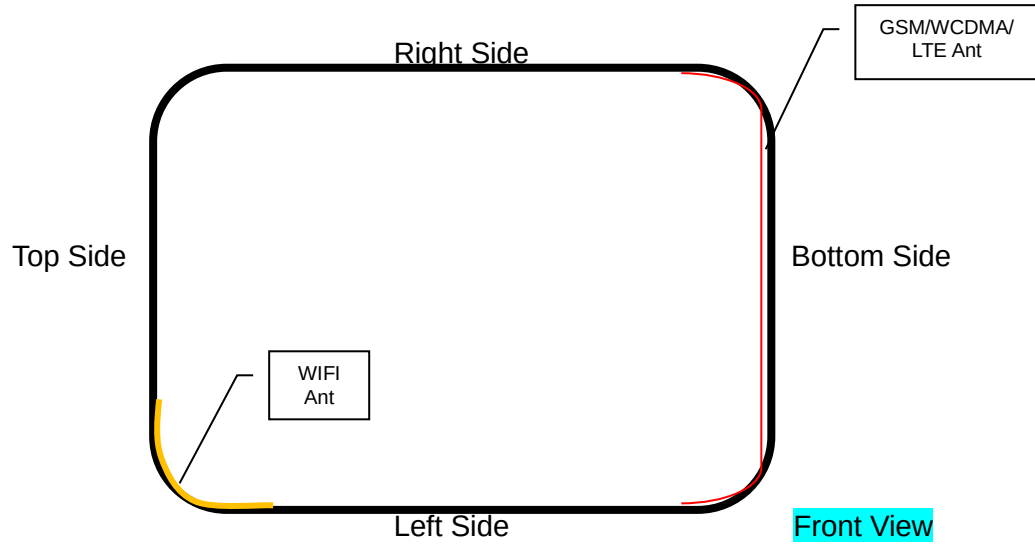
- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest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

5.2. SAR measurement uncertainty

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

6. RF Exposure Positions

6.1. Antenna Location



1.3. Wireless Router Devices

Some battery-operated handsets have the capability to transmit and receive user through simultaneous transmission of WLAN simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 where SAR test considerations for handsets ($L \times W \geq 9 \text{ cm} \times 5 \text{ cm}$) are based on a composite test separation distance of 10mm from the front, back and edges of the device containing transmitting antennas within 2.5cm of their edges, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WLAN transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions due to the limitations of the SAR assessment probes. Therefore, SAR must be evaluated for each frequency transmission and mode separately and spatially summed with the WLAN transmitter according to FCC KDB Publication 447498 D01 publication procedures. The “Portable Hotspot” feature on the handset was NOT activated during SAR assessments, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal at a time.

7. RF Output Power

7.1. GSM Conducted Power

Band GSM850	Burst-Averaged output Power (dBm)				Frame-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	128	189	251	Tune-up	128	189	251
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8
GSM (GMSK)	32.00	31.77	31.73	31.66	22.97	22.74	22.70	22.63
GPRS(GMSK,1 Tx slot)	32.00	31.70	31.62	31.51	22.97	22.67	22.59	22.48
GPRS(GMSK,2 Tx slot)	30.00	29.84	29.69	29.46	23.98	23.82	23.67	23.44
GPRS(GMSK,3 Tx slot)	28.50	28.02	27.81	27.58	24.24	23.76	23.55	23.32
GPRS(GMSK,4 Tx slot)	26.00	25.83	25.67	25.38	22.99	22.82	22.66	22.37
EGPRS(8PSK,1 Tx slot)	27.00	26.86	26.91	26.79	17.97	17.83	17.88	17.76
EGPRS(8PSK,2 Tx slot)	26.00	25.60	25.84	26.00	19.98	19.58	19.82	19.98
EGPRS(8PSK,3 Tx slot)	23.50	23.14	23.19	22.74	19.24	18.88	18.93	18.48
EGPRS(8PSK,4 Tx slot)	21.00	20.52	20.86	20.71	17.99	17.51	17.85	17.70
Band GSM1900	Burst-Averaged output Power (dBm)				Frame-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	512	661	810	Tune-up	512	661	810
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8
GSM (GMSK)	29.00	28.90	28.87	28.66	19.97	19.87	19.84	19.63
GPRS(GMSK,1 Tx slot)	29.00	28.96	28.85	28.71	19.97	19.93	19.82	19.68
GPRS(GMSK,2 Tx slot)	27.00	26.67	26.62	26.35	20.98	20.65	20.60	20.33
GPRS(GMSK,3 Tx slot)	25.50	25.09	25.07	24.79	21.24	20.83	20.81	20.53
GPRS(GMSK,4 Tx slot)	23.00	22.93	22.91	22.65	19.99	19.92	19.90	19.64
EGPRS(8PSK,1 Tx slot)	26.50	25.92	26.47	25.44	17.47	16.89	17.44	16.41
EGPRS(8PSK,2 Tx slot)	25.00	24.52	24.87	24.36	18.98	18.50	18.85	18.34
EGPRS(8PSK,3 Tx slot)	24.00	23.34	23.61	22.91	19.74	19.08	19.35	18.65
EGPRS(8PSK,4 Tx slot)	22.00	21.24	21.72	21.25	18.99	18.23	18.71	18.24

7.2. WCDMA Conducted Power

WCDMA Band 2	Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	9262	9400	9538
Frequency (MHz)		1852.4	1880	1907.6
RMC12.2K	23.00	22.40	22.49	22.54
HSDPA Sub 1	22.50	22.24	21.89	21.80
HSDPA Sub 2	22.00	21.77	21.52	21.61

HSDPA Sub 3	22.00	21.61	21.40	21.22
HSDPA Sub 4	21.50	21.48	21.10	20.97
HSUPA Sub 1	22.50	22.39	22.00	22.12
HSUPA Sub 2	22.50	22.34	22.21	22.24
HSUPA Sub 3	22.00	22.00	21.83	21.90
HSUPA Sub 4	22.50	22.40	22.20	22.17
HSUPA Sub 5	22.50	22.34	22.04	22.03
WCDMA Band 4	Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	1312	1413	1513
Frequency (MHz)		1712.4	1732.6	1752.6
RMC12.2K	23.00	22.48	22.60	22.64
HSDPA Sub 1	23.00	22.67	22.59	22.46
HSDPA Sub 2	22.50	22.35	22.21	22.24
HSDPA Sub 3	22.50	22.06	22.13	21.94
HSDPA Sub 4	22.50	21.80	22.03	21.89
HSUPA Sub 1	23.00	22.51	22.34	22.30
HSUPA Sub 2	22.50	22.45	22.42	22.30
HSUPA Sub 3	22.50	22.10	22.13	22.26
HSUPA Sub 4	22.50	22.39	22.42	22.30
HSUPA Sub 5	22.50	22.17	22.29	22.10
WCDMA Band 5	Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	4132	4182	4233
Frequency (MHz)		826.4	836.4	846.6
RMC12.2K	22.50	21.86	21.85	22.01
HSDPA Sub 1	22.50	22.04	22.03	21.89
HSDPA Sub 2	22.00	21.92	21.90	21.75
HSDPA Sub 3	22.00	21.61	21.63	21.28
HSDPA Sub 4	22.00	21.44	21.50	21.14
HSUPA Sub 1	22.00	21.91	21.97	21.77
HSUPA Sub 2	22.50	22.06	22.09	21.85
HSUPA Sub 3	22.50	21.79	22.04	21.89
HSUPA Sub 4	22.50	21.90	22.08	21.99
HSUPA Sub 5	22.50	21.91	22.05	21.89

7.3. LTE Conducted Power

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18607/1850.7	18900/1880	19193/1909.3
LTE Band 2	1.4MHz	QPSK	1	0	24.00	23.44	23.85	23.81
			1	2	24.00	23.47	23.81	23.71
			1	5	24.00	23.45	23.79	23.79
			3	0	24.00	23.44	23.61	23.77
			3	1	24.00	23.52	23.65	23.79
			3	2	24.00	23.46	23.57	23.72
			6	0	23.00	22.48	22.61	22.68
		16QAM	1	0	23.50	22.43	22.13	23.20
			1	2	23.50	22.23	21.97	23.23
			1	5	23.50	22.37	22.06	23.18
			3	0	23.50	22.64	22.39	23.00
			3	1	23.50	22.55	22.34	23.03
			3	2	23.50	22.70	22.50	22.94
			6	0	21.50	21.25	21.42	21.49
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	24.00	23.50	23.80	23.84
			1	7	24.00	23.49	23.87	23.73
			1	14	24.00	23.51	23.76	23.73
			8	0	23.00	22.53	22.57	22.77
			8	4	23.00	22.49	22.59	22.68
			8	7	23.00	22.32	22.68	22.76
			15	0	23.00	22.42	22.53	22.76
		16QAM	1	0	23.50	23.04	22.05	23.20
			1	7	23.50	22.83	22.10	23.24
			1	14	23.50	22.91	22.03	23.15
			8	0	22.00	21.48	21.61	21.82
			8	4	22.00	21.52	21.65	21.92
			8	7	22.00	21.56	21.57	21.89
			15	0	22.00	21.43	21.59	21.82
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18625/1852.5	18900/1880	19175/1907.5
LTE	5MHz	QPSK	1	0	24.50	23.51	23.90	24.06

Band 2			1	12	24.50	23.44	23.82	23.99
			1	24	24.50	23.50	23.89	23.96
			12	0	23.00	22.36	22.51	22.68
			12	6	23.00	22.32	22.61	22.74
			12	11	23.00	22.36	22.59	22.71
			25	0	23.00	22.39	22.60	22.76
		16QAM	1	0	23.00	22.94	22.62	22.74
			1	12	23.00	22.91	22.55	22.65
			1	24	23.00	22.74	22.59	22.57
			12	0	22.00	21.37	21.62	21.81
			12	6	22.00	21.41	21.54	21.67
			12	11	22.00	21.41	21.59	21.65
			25	0	22.00	21.38	21.86	21.90
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	24.00	23.73	23.61	23.77
			1	24	24.00	23.70	23.56	23.74
			1	49	24.00	23.75	23.54	23.80
			25	0	23.00	22.33	22.58	22.67
			25	12	23.00	22.29	22.57	22.76
			25	24	23.00	22.34	22.52	22.69
			50	0	23.00	22.40	22.54	22.77
		16QAM	1	0	23.50	22.45	23.29	23.17
			1	24	23.50	22.29	23.00	23.22
			1	49	23.50	22.23	22.93	23.04
			25	0	22.00	21.65	21.51	21.70
			25	12	22.00	21.56	21.60	21.92
			25	24	22.00	21.83	21.55	21.66
			50	0	22.00	21.42	21.56	21.97
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	24.50	23.77	23.79	23.92
			1	37	24.50	23.68	23.80	24.03
			1	74	24.50	23.76	23.69	23.95
			36	0	23.00	22.35	22.69	22.70
			36	18	23.00	22.44	22.59	22.81
			36	37	23.00	22.46	22.56	22.79
			75	0	23.00	22.34	22.52	22.77

		16QAM	1	0	23.00	22.37	22.48	22.74
		16QAM	1	37	23.00	22.18	22.54	22.72
		16QAM	1	74	23.00	22.33	22.38	22.74
		16QAM	36	0	22.00	21.47	21.70	21.89
		16QAM	36	18	22.00	21.78	21.70	21.78
		16QAM	36	37	22.00	21.69	21.76	21.82
		16QAM	75	0	22.00	21.72	21.58	21.65
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	24.50	23.72	23.79	23.88
			1	49	24.50	23.76	23.74	24.07
			1	99	24.50	23.90	23.78	23.97
			50	0	23.50	22.35	22.84	22.71
			50	24	23.50	22.37	22.46	22.82
			50	49	23.50	22.51	22.56	22.70
			100	0	23.00	22.45	22.57	22.80
		16QAM	1	0	23.00	22.27	22.01	22.42
			1	49	23.00	22.43	22.00	22.72
			1	99	23.00	22.55	22.01	22.77
			50	0	22.50	21.42	21.81	21.71
			50	24	22.50	21.43	21.60	21.84
			50	49	22.50	21.52	21.62	22.04
			100	0	22.00	21.48	21.62	21.76

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	24.00	23.25	23.68	23.81
			1	2	24.00	23.21	23.75	23.83
			1	5	24.00	23.24	23.77	23.82
			3	0	24.00	23.26	23.74	23.75
			3	1	24.00	23.30	23.78	23.81
			3	2	24.00	23.31	23.72	23.76
			6	0	23.00	22.37	22.63	22.60
		16QAM	1	0	23.50	22.34	23.20	23.17
			1	2	23.50	22.26	23.25	23.27
			1	5	23.50	22.26	23.12	23.17
			3	0	23.50	22.44	22.90	23.03
			3	1	23.50	22.36	22.90	22.80

			3	2	23.50	22.48	22.80	23.11
			6	0	22.00	21.18	21.42	21.77
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	24.00	23.32	23.65	23.74
			1	7	24.00	23.31	23.73	23.76
			1	14	24.00	23.39	23.77	23.84
			8	0	23.00	22.29	22.65	22.81
			8	4	23.00	22.22	22.69	22.86
			8	7	23.00	22.34	22.63	22.72
			15	0	23.00	22.32	22.64	22.71
		16QAM	1	0	23.50	22.82	23.16	23.27
			1	7	23.50	22.78	23.19	23.42
			1	14	23.50	22.78	23.27	23.16
			8	0	22.50	21.43	22.23	21.88
			8	4	22.50	21.41	21.88	21.91
			8	7	22.50	21.38	21.82	22.24
			15	0	22.00	21.25	21.87	21.95
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	24.50	23.64	24.02	23.96
			1	12	24.50	23.67	24.05	23.92
			1	24	24.50	23.62	23.94	24.02
			12	0	23.00	22.21	22.56	22.73
			12	6	23.00	22.28	22.71	22.75
			12	11	23.00	22.40	22.72	22.84
			25	0	23.00	22.35	22.68	22.75
		16QAM	1	0	23.00	22.36	22.70	22.66
			1	12	23.00	22.34	22.58	22.65
			1	24	23.00	22.21	22.56	22.70
			12	0	22.50	21.31	22.19	21.73
			12	6	22.50	21.40	21.73	21.74
			12	11	22.50	21.46	21.78	21.76
			25	0	22.50	21.54	21.95	22.03
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20000/1715	20175/1732.5	20350/1750
LTE	10MHz	QPSK	1	0	24.00	23.25	23.71	23.74

Band 4			1	24	24.00	23.36	23.71	23.71
			1	49	24.00	23.50	23.78	23.68
			25	0	23.00	22.40	22.61	22.69
			25	12	23.00	22.33	22.74	22.77
			25	24	23.00	22.48	22.64	22.80
			50	0	23.00	22.33	22.64	22.64
		16QAM	1	0	23.50	22.82	23.19	23.28
			1	24	23.50	22.86	23.22	23.32
			1	49	23.50	22.96	23.17	23.41
			25	0	22.50	21.37	22.08	22.06
			25	12	22.50	21.34	21.67	22.14
			25	24	22.50	21.40	21.73	21.82
			50	0	22.50	21.36	21.88	22.19
			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	24.00	23.26	23.89	23.77
			1	37	24.00	23.43	23.99	23.85
			1	74	24.00	23.71	23.97	23.87
			36	0	23.00	22.36	22.63	22.69
			36	18	23.00	22.44	22.77	22.84
			36	37	23.00	22.56	22.74	22.81
			75	0	23.00	22.56	22.75	22.76
		16QAM	1	0	23.50	22.68	22.63	22.63
			1	37	23.50	23.00	22.66	22.63
			1	74	23.50	23.17	22.68	22.63
			36	0	22.50	21.27	22.22	22.25
			36	18	22.50	21.44	21.78	22.22
			36	37	22.50	21.53	22.13	21.96
			75	0	22.50	21.54	21.67	22.02
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	24.50	23.47	23.81	23.75
			1	49	24.50	23.73	24.01	23.79
			1	99	24.50	23.93	23.97	23.84
			50	0	23.00	22.38	22.65	22.60
			50	24	23.00	22.46	22.67	22.75
			50	49	23.00	22.57	22.79	22.68
			100	0	23.00	22.49	22.76	22.80

		16QAM	1	0	23.00	22.22	22.48	22.78
			1	49	23.00	22.48	22.90	22.82
			1	99	23.00	22.63	22.73	22.91
			50	0	22.50	21.32	22.11	22.06
			50	24	22.50	21.49	21.75	22.08
			50	49	22.50	21.73	22.13	22.14
			100	0	22.50	21.60	21.74	22.18

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	23.11	23.26	23.07
			1	2	23.50	23.19	23.25	23.08
			1	5	23.50	23.06	23.23	23.05
			3	0	23.50	23.26	23.09	23.19
			3	1	23.50	23.18	23.12	23.20
			3	2	23.50	23.31	23.04	23.23
		16QAM	6	0	22.50	22.15	21.94	22.22
			1	0	22.50	22.05	21.86	22.41
			1	2	22.50	22.03	21.85	22.47
			1	5	22.50	22.10	21.93	22.47
			3	0	23.00	22.49	22.16	22.26
			3	1	23.00	22.52	22.25	22.29
			3	2	23.00	22.43	22.21	22.32
			6	0	21.50	21.39	20.85	20.77

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	23.24	23.08	23.37
			1	7	23.50	23.16	23.09	23.27
			1	14	23.50	23.22	23.05	23.24
			8	0	22.50	22.20	22.00	22.15
			8	4	22.50	22.14	22.01	22.17
			8	7	22.50	22.36	21.96	22.20
			15	0	22.50	22.10	21.98	22.11
		16QAM	1	0	23.00	22.61	22.32	21.98
			1	7	23.00	22.55	22.46	22.10
			1	14	23.00	22.71	22.31	22.01
			8	0	22.00	21.68	21.07	21.23
			8	4	22.00	21.74	21.18	21.27

			8	7	22.00	21.36	21.15	21.17
			15	0	22.00	21.72	21.09	21.27
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	24.00	23.52	23.35	23.36
			1	12	24.00	23.51	23.23	23.45
			1	24	24.00	23.49	23.26	23.44
			12	0	22.50	22.22	21.99	22.00
			12	6	22.50	22.35	22.05	22.13
			12	11	22.50	22.16	21.87	22.21
			25	0	22.50	22.21	21.93	22.17
		16QAM	1	0	22.50	22.21	22.10	21.90
			1	12	22.50	22.41	22.11	22.20
			1	24	22.50	22.16	22.03	22.04
			12	0	22.00	21.62	20.98	21.46
			12	6	22.00	21.27	21.04	21.15
			12	11	22.00	21.12	21.02	21.11
			25	0	21.50	21.45	21.25	21.37
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20450/829	20525/836.5	20600/844
LTE Band 5	10MHz	QPSK	1	0	24.00	23.69	23.22	23.16
			1	24	24.00	23.52	23.02	23.13
			1	49	24.00	23.35	23.11	23.11
			25	0	22.50	22.30	21.96	22.03
			25	12	22.50	22.08	21.96	22.12
			25	24	22.50	22.16	22.10	21.99
			50	0	22.50	22.13	22.07	22.02
		16QAM	1	0	23.00	22.26	22.62	22.64
			1	24	23.00	22.14	22.50	22.52
			1	49	23.00	22.11	22.50	22.49
			25	0	22.00	21.39	20.94	21.05
			25	12	22.00	21.77	21.02	21.47
			25	24	22.00	21.70	21.42	21.10
			50	0	22.00	21.54	21.00	21.40

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	24.00	23.08	23.47	23.82
			1	12	24.00	22.88	23.49	23.87
			1	24	24.00	23.08	23.56	23.82
			12	0	23.00	21.97	22.32	22.57
			12	6	23.00	22.01	22.22	22.58
			12	11	23.00	22.04	22.43	22.49
			25	0	23.00	22.00	22.25	22.55
		16QAM	1	0	23.50	22.45	22.71	23.04
			1	12	23.50	22.51	22.96	23.00
			1	24	23.50	22.62	22.80	23.13
			12	0	22.00	21.14	21.44	21.69
			12	6	22.00	21.24	21.47	21.65
			12	11	22.00	21.24	21.43	21.71
			25	0	22.00	21.39	21.67	21.89
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	24.00	23.29	23.22	23.54
			1	24	24.00	23.48	23.31	23.56
			1	49	24.00	23.55	23.37	23.52
			25	0	23.00	22.03	22.28	22.59
			25	12	23.00	22.17	22.25	22.56
			25	24	23.00	22.08	22.34	22.61
			50	0	23.00	22.20	22.35	22.57
		16QAM	1	0	24.00	22.58	23.35	23.73
			1	24	24.00	22.66	23.54	23.77
			1	49	24.00	22.83	23.46	23.77
			25	0	22.00	21.47	21.26	21.57
			25	12	22.00	21.46	21.34	21.60
			25	24	22.00	21.58	21.36	21.64
			50	0	22.00	21.37	21.41	21.66
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	24.00	23.29	23.37	23.58
			1	37	24.00	23.38	23.56	23.72
			1	74	24.00	23.38	23.64	23.80
			36	0	23.00	22.16	22.19	22.34
			36	18	23.00	22.15	22.24	22.48
			36	37	23.00	22.21	22.44	22.55

		16QAM	75	0	22.50	22.22	22.32	22.47
			1	0	23.50	22.63	22.60	23.02
			1	37	23.50	22.72	22.89	23.03
			1	74	23.50	22.69	22.92	23.13
			36	0	22.00	21.36	21.48	21.68
			36	18	22.00	21.45	21.53	21.73
			36	37	22.00	21.42	21.55	21.74
			75	0	22.00	21.23	21.42	21.53
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	24.00	23.23	23.40	23.48
			1	49	24.00	23.43	23.51	23.59
			1	99	24.00	23.20	23.62	23.77
			50	0	23.00	22.23	22.36	22.39
			50	24	23.00	22.19	22.35	22.54
			50	49	23.00	22.08	22.30	22.55
			100	0	22.50	22.09	22.30	22.47
		16QAM	1	0	23.50	22.62	22.72	22.96
			1	49	23.50	22.72	22.93	23.01
			1	99	23.50	22.67	22.94	23.12
			50	0	22.00	21.37	21.34	21.55
			50	24	22.00	21.24	21.46	21.59
			50	49	22.00	21.28	21.44	21.67
			100	0	22.00	21.29	21.47	21.65

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23017/699.7	23095/707.5	23173/715.3
LTE Band 12	1.4MHz	QPSK	1	0	23.50	22.85	23.34	22.90
			1	2	23.50	22.97	23.30	22.97
			1	5	23.50	22.95	23.25	22.92
			3	0	23.50	23.12	23.09	22.97
			3	1	23.50	23.16	23.15	23.01
			3	2	23.50	23.09	23.04	23.08
			6	0	22.50	21.88	22.37	21.97
		16QAM	1	0	23.00	21.75	21.87	22.30
			1	2	23.00	21.78	22.34	22.53
			1	5	23.00	21.85	22.28	22.47
			3	0	23.00	22.01	22.59	22.19

			3	1	23.00	21.93	22.55	22.12
			3	2	23.00	22.12	22.58	22.04
			6	0	21.50	21.09	21.32	21.09
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23025/700.5	23095/707.5	23165/714.5
LTE Band 12	3MHz	QPSK	1	0	23.50	23.05	23.17	22.93
			1	7	23.50	23.05	23.11	22.85
			1	14	23.50	23.00	23.03	22.92
			8	0	22.50	21.88	21.89	21.82
			8	4	22.50	21.90	22.45	21.88
			8	7	22.50	22.11	22.42	21.99
			15	0	22.50	21.87	22.42	22.01
		16QAM	1	0	23.00	22.21	22.36	22.33
			1	7	23.00	22.25	22.81	22.35
			1	14	23.00	22.47	22.76	22.38
			8	0	22.00	21.40	21.14	21.26
			8	4	22.00	21.35	21.51	21.16
			8	7	22.00	21.12	21.51	21.43
			15	0	21.50	21.34	21.47	21.08
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23035/701.5	23095/707.5	23155/713.5
LTE Band 12	5MHz	QPSK	1	0	23.50	23.06	23.40	23.35
			1	12	23.50	23.01	23.34	23.23
			1	24	23.50	23.11	23.26	23.28
			12	0	22.50	21.88	21.89	22.31
			12	6	22.50	22.02	22.34	21.87
			12	11	22.50	22.09	22.34	21.74
			25	0	22.50	22.03	22.33	21.91
		16QAM	1	0	23.00	22.32	21.82	22.23
			1	12	23.00	22.54	22.36	21.94
			1	24	23.00	22.35	21.87	21.95
			12	0	21.50	21.32	21.01	21.45
			12	6	21.50	20.96	21.49	21.09
			12	11	21.50	20.95	21.37	21.11
			25	0	22.00	20.98	21.65	21.23
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23060/704	23095/707.5	23130/711

LTE Band 12	10MHz	QPSK	1	0	23.50	23.46	23.01	23.17
			1	24	23.50	23.19	23.09	22.90
			1	49	23.50	23.23	23.04	23.03
			25	0	22.50	22.07	21.91	22.30
			25	12	22.50	21.79	22.33	22.04
			25	24	22.50	21.95	21.88	21.96
			50	0	22.50	21.89	22.28	21.96
		16QAM	1	0	23.00	21.79	22.47	22.28
			1	24	23.00	21.86	22.78	22.23
			1	49	23.00	22.15	22.54	22.41
			25	0	21.50	21.15	20.94	21.37
			25	12	21.50	21.27	21.44	20.94
			25	24	21.50	21.16	21.03	21.06
			50	0	21.50	21.16	21.42	20.97

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23205/779.5	23230/782	23255/784.5
LTE Band 13	5MHz	QPSK	1	0	23.50	21.96	23.20	23.18
			1	12	23.50	22.92	23.24	23.36
			1	24	23.50	22.93	23.31	23.30
			12	0	22.50	21.87	21.76	22.08
			12	6	22.50	21.92	21.88	21.98
			12	11	22.50	21.93	21.97	21.87
			25	0	22.00	21.85	21.85	21.97
		16QAM	1	0	22.50	21.76	21.85	21.85
			1	12	22.50	21.93	21.85	21.91
			1	24	22.50	21.83	21.91	22.06
			12	0	21.50	20.91	20.90	21.25
			12	6	21.50	20.94	20.86	21.14
			12	11	21.50	20.90	21.18	21.04
			25	0	21.50	21.11	21.02	21.35
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		/	23230/782	/
LTE Band 13	10MHz	QPSK	1	0	23.50	/	23.21	/
			1	24	23.50	/	23.33	/
			1	49	23.50	/	23.30	/
			25	0	22.00	/	21.93	/
			25	12	22.00	/	21.87	/

			25	24	22.00	/	21.96	/
			50	0	22.00	/	21.90	/
		16QAM	1	0	22.50	/	21.83	/
			1	24	22.50	/	21.82	/
			1	49	22.50	/	22.06	/
			25	0	21.50	/	21.11	/
			25	12	21.50	/	21.05	/
			25	24	21.50	/	21.33	/
			50	0	21.00	/	20.89	/

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23755/706.5	23790/710	23825/713.5
LTE Band 17	5MHz	QPSK	1	0	23.50	22.83	23.28	23.27
			1	12	23.50	22.95	23.23	23.15
			1	24	23.50	22.93	23.18	23.17
			12	0	22.50	21.82	22.36	22.20
			12	6	22.50	21.89	21.83	21.81
			12	11	22.50	22.36	22.23	21.90
			25	0	22.00	21.89	21.82	21.84
		16QAM	1	0	22.50	21.87	22.21	22.19
			1	12	22.50	21.79	21.77	21.82
			1	24	22.50	22.11	22.21	21.94
			12	0	21.50	20.91	21.43	21.30
			12	6	21.50	20.84	20.88	21.10
			12	11	21.50	21.40	21.21	20.99
			25	0	21.50	21.12	21.22	21.18

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23780/709	23790/710	23800/711
LTE Band 17	10MHz	QPSK	1	0	23.50	23.21	23.13	23.14
			1	24	23.50	23.19	22.89	22.92
			1	49	23.50	23.08	22.82	22.93
			25	0	22.50	21.93	22.24	22.20
			25	12	22.50	22.31	21.81	21.88
			25	24	22.50	22.18	22.21	21.82
			50	0	22.50	22.26	21.90	21.83
		16QAM	1	0	22.50	21.77	22.30	22.15
			1	24	22.50	22.21	22.17	22.25
			1	49	22.50	21.77	22.13	22.28

			25	0	21.50	21.09	21.31	21.36
			25	12	21.50	21.49	20.97	20.82
			25	24	21.50	21.44	21.24	21.00
			50	0	21.50	21.42	20.92	21.00

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26697/814.7	26740/819	26783/823.3
LTE Band 26a	1.4MHz	QPSK	1	0	23.50	22.84	23.25	23.35
			1	2	23.50	22.84	23.24	23.38
			1	5	23.50	22.88	23.27	23.31
			3	0	23.50	22.83	23.29	23.20
			3	1	23.50	22.91	23.22	23.19
			3	2	23.50	22.86	23.15	23.15
			6	0	22.50	22.34	21.99	21.97
		16QAM	1	0	23.00	22.71	21.95	21.96
			1	2	23.00	22.75	22.03	22.05
			1	5	23.00	22.77	22.03	21.90
			3	0	23.00	22.46	22.18	22.35
			3	1	23.00	22.58	22.28	22.28
			3	2	23.00	22.41	22.38	22.24
			6	0	21.50	21.09	21.09	20.92
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26705/818.5	26740/819	26775/822.5
LTE Band 26a	3MHz	QPSK	1	0	23.50	22.82	22.94	23.10
			1	7	23.50	22.88	23.11	23.18
			1	14	23.50	22.85	23.03	23.09
			8	0	22.50	22.25	22.10	22.10
			8	4	22.50	22.39	22.09	22.09
			8	7	22.50	21.98	22.17	22.10
			15	0	22.50	22.27	22.02	21.98
		16QAM	1	0	23.00	22.92	22.71	22.67
			1	7	23.00	22.82	22.70	22.44
			1	14	23.00	22.51	22.63	22.32
			8	0	22.00	21.48	21.45	21.59
			8	4	22.00	21.47	21.42	21.27
			8	7	22.00	21.43	21.42	21.28
			15	0	21.50	21.40	21.34	21.32
Band	Band	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		

	Width		RB Size	RB Offset	(dBm)	26715/816.5	26740/819	26765/821.5
LTE Band 26a	5MHz	QPSK	1	0	23.50	23.18	23.35	23.39
			1	12	23.50	23.17	23.48	23.45
			1	24	23.50	23.28	23.39	23.34
			12	0	22.50	22.25	22.01	22.01
			12	6	22.50	21.95	22.05	22.14
			12	11	22.50	21.95	22.04	22.05
			25	0	22.50	22.00	22.14	22.04
		16QAM	1	0	22.50	22.42	22.01	22.04
			1	12	22.50	22.02	22.11	22.21
			1	24	22.50	22.00	21.96	21.98
			12	0	22.00	21.28	21.48	21.67
			12	6	22.00	21.44	21.29	21.53
			12	11	22.00	21.40	21.63	21.17
			25	0	22.00	21.60	21.53	21.75
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		/	26740/819	/
LTE Band 26a	10MHz	QPSK	1	0	23.50	/	23.05	/
			1	24	23.50	/	23.18	/
			1	49	23.50	/	23.10	/
			25	0	22.50	/	22.04	/
			25	12	22.50	/	22.16	/
			25	24	22.50	/	22.01	/
			50	0	22.00	/	22.00	/
		16QAM	1	0	23.00	/	22.90	/
			1	24	23.00	/	22.58	/
			1	49	23.00	/	22.47	/
			25	0	22.00	/	21.52	/
			25	12	22.00	/	21.18	/
			25	24	22.00	/	21.51	/
			50	0	21.50	/	21.23	/

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 26b	1.4MHz	QPSK	1	0	23.50	23.05	23.25	23.13
			1	2	23.50	23.04	23.17	23.27
			1	5	23.50	23.01	23.17	23.20

			3	0	23.50	23.23	22.93	23.18
			3	1	23.50	23.14	22.95	23.07
			3	2	23.50	23.10	22.88	23.10
			6	0	22.50	22.12	22.09	22.13
		16QAM	1	0	23.00	22.57	21.77	22.03
			1	2	23.00	22.54	21.95	22.00
			1	5	23.00	22.50	21.82	22.12
			3	0	22.50	22.44	22.20	21.99
			3	1	22.50	22.42	22.13	22.12
			3	2	22.50	22.33	22.26	22.19
			6	0	21.00	20.92	20.81	20.80
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 26b	3MHz	QPSK	1	0	23.50	23.24	23.03	23.19
			1	7	23.50	23.22	23.00	23.24
			1	14	23.50	23.22	22.91	23.21
			8	0	22.50	22.13	22.00	21.97
			8	4	22.50	22.13	22.00	21.95
			8	7	22.50	22.19	21.93	22.12
			15	0	22.50	22.08	21.97	21.91
		16QAM	1	0	23.00	22.65	22.43	22.01
			1	7	23.00	22.55	22.41	21.92
			1	14	23.00	22.73	22.23	21.93
			8	0	21.50	21.31	21.01	21.24
			8	4	21.50	21.29	21.17	21.22
			8	7	21.50	21.33	21.10	21.18
			15	0	21.50	21.31	21.08	21.17
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 26b	5MHz	QPSK	1	0	23.50	23.29	23.33	23.40
			1	12	23.50	23.19	23.10	23.35
			1	24	23.50	23.19	23.33	23.32
			12	0	22.50	22.06	21.87	21.98
			12	6	22.50	22.20	22.02	21.90
			12	11	22.50	22.17	21.97	21.93
			25	0	22.50	22.17	22.07	22.05
		16QAM	1	0	23.00	22.72	22.09	22.10
			1	12	23.00	22.68	22.12	21.93

			1	24	23.00	22.52	21.82	22.23
			12	0	22.00	21.21	20.98	21.55
			12	6	22.00	21.24	21.05	21.14
			12	11	22.00	21.15	21.00	21.09
			25	0	21.50	21.04	21.20	21.26
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 26b	10MHz	QPSK	1	0	23.50	23.45	23.15	23.08
			1	24	23.50	23.43	22.92	23.08
			1	49	23.50	23.30	23.03	23.20
			25	0	22.50	22.21	22.11	21.93
			25	12	22.50	22.17	21.96	22.03
			25	24	22.50	22.05	21.92	22.07
			50	0	22.50	22.19	22.14	22.09
		16QAM	1	0	23.00	22.08	22.62	22.60
			1	24	23.00	22.02	22.53	22.33
			1	49	23.00	22.03	22.37	22.47
			25	0	22.00	21.35	20.89	20.97
			25	12	22.00	21.71	20.95	21.32
			25	24	22.00	21.68	21.44	21.08
			50	0	21.50	21.49	20.94	21.47
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 26b	15MHz	QPSK	1	0	24.00	23.57	23.47	23.33
			1	37	24.00	23.29	23.23	23.24
			1	74	24.00	23.27	23.33	23.43
			36	0	22.50	22.16	22.12	22.00
			36	18	22.50	22.07	22.11	22.05
			36	37	22.50	21.94	22.11	21.97
			75	0	22.50	22.04	22.08	22.04
		16QAM	1	0	22.50	22.25	22.12	22.10
			1	37	22.50	22.08	22.03	22.04
			1	74	22.50	22.06	22.07	22.07
			36	0	22.00	21.54	21.46	21.58
			36	18	22.00	21.59	21.11	21.06
			36	37	22.00	21.00	21.03	21.57
			75	0	21.50	21.47	21.04	20.97

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		40065/2537.5	40370/2568	40640/2595	41215/2652.5
LTE Band 41	5MHz	QPSK	1	0	24.00	23.06	23.68	23.8	23.59
			1	12	24.00	23.47	23.08	23.7	23.57
			1	24	24.00	23.46	23.48	23.74	23.51
			12	0	22.50	22.34	22.21	22.27	22.12
			12	6	22.50	22.16	22.23	22.3	22.1
			12	11	22.50	22.25	22.05	22.18	22.01
			25	0	22.50	22.13	22.05	22.15	21.96
		16QAM	1	0	23.00	22.59	22.09	22.59	22.45
			1	12	23.00	22.68	22.72	22.63	22.42
			1	24	23.00	22.64	22.32	22.57	22.34
			12	0	21.50	21.31	21.09	21.28	21.14
			12	6	21.50	21.31	21.36	21.28	21.1
			12	11	21.50	21.33	21.09	21.37	21.08
			25	0	21.50	21.37	21.23	21.35	21.19
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		40090/2540	40370/2568	40640/2595	41190/2650
LTE Band 41	10MHz	QPSK	1	0	24.00	23.64	23.12	23.67	23.54
			1	24	24.00	23.74	23.7	23.75	23.56
			1	49	24.00	23.67	23.27	23.75	23.49
			25	0	23.00	22.29	22.43	22.2	22.09
			25	12	23.00	22.2	22.67	22.34	22
			25	24	23.00	22.23	22.18	22.27	22.15
			50	0	22.50	22.4	22.27	22.38	22.1
		16QAM	1	0	24.00	22.72	23.19	22.59	22.48
			1	24	24.00	22.77	23.64	22.63	22.37
			1	49	24.00	22.73	22.58	22.65	22.42
			25	0	23.00	21.35	21.64	21.36	21.29
			25	12	23.00	21.47	22.71	21.48	21.3
			25	24	23.00	21.4	22.77	21.43	21.17
			50	0	21.50	21.46	21.32	21.43	21.27
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB	RB		40115/2542.5	40370/2568	40640/2595	41165/2647.5

			Size	Offset					
LTE Band 41	15MHz	QPSK	1	0	24.00	23.68	23.69	23.63	23.32
			1	37	24.00	23.69	23.49	23.79	23.16
			1	74	24.00	23.59	23.23	23.81	23.11
			36	0	22.50	22.43	22.4	22.31	22.16
			36	18	22.50	22.39	22.24	22.41	22.12
			36	37	22.50	22.25	22.12	22.35	22.1
			75	0	22.50	22.28	22.02	22.21	22.18
		16QAM	1	0	23.00	22.76	22.44	22.56	21.89
			1	37	23.00	22.78	23	22.68	21.76
			1	74	23.00	22.52	22.6	22.66	21.61
			36	0	23.00	21.4	22.56	21.36	21.1
			36	18	23.00	21.31	22.06	21.34	21.13
			36	37	23.00	21.31	22.11	21.45	21.1
			75	0	22.00	21.4	21.3	21.52	21.13
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)			
			RB Size	RB Offset		40140/2545	40370/2568	40640/2595	41140/2645
LTE Band 41	20MHz	QPSK	1	0	24.00	23.34	23.13	23.59	23.38
			1	49	24.00	23.17	22.91	23.25	23.24
			1	99	24.00	23.86	23.07	23.32	23.05
			50	0	23.00	22.29	22.13	22.23	22.2
			50	24	23.00	22.23	22.31	22.54	22.24
			50	49	23.00	21.97	22.19	22.31	22.12
			100	0	22.50	22.22	21.95	22.13	22.15
		16QAM	1	0	22.50	22.07	22.01	21.82	21.98
			1	49	22.50	21.92	21.7	21.9	21.83
			1	99	22.50	21.62	21.64	21.85	21.64
			50	0	21.50	21.29	21.33	21.18	21.21
			50	24	21.50	21.29	21.21	21.3	21.16
			50	49	21.50	21.15	21.3	21.3	21.15
			100	0	21.50	21.19	21.32	21.34	21.19

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		131979/1710.7	132322/1745	132665/1779.3
LTE	1.4MHz	QPSK	1	0	23.00	22.41	22.98	22.73

Band 66			1	2	23.00	22.37	22.89	22.67
			1	5	23.00	22.37	22.95	22.80
			3	0	23.00	22.60	22.83	22.79
			3	1	23.00	22.65	22.88	22.84
			3	2	23.00	22.58	22.83	22.77
			6	0	22.00	22.00	21.70	21.73
		16QAM	1	0	22.50	22.26	21.86	22.20
			1	2	22.50	22.43	21.93	22.29
			1	5	22.50	22.34	21.91	22.18
			3	0	22.50	22.16	21.96	21.96
			3	1	22.50	22.17	22.16	21.92
			3	2	22.50	22.23	22.05	22.06
			6	0	21.00	20.63	20.66	20.84
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		131987/1711.5	132322/1745	132657/1778.5
LTE Band 66	3MHz	QPSK	1	0	23.00	22.58	22.97	22.82
			1	7	23.00	22.58	22.96	22.81
			1	14	23.00	22.59	22.86	22.67
			8	0	22.00	21.89	21.91	21.79
			8	4	22.00	21.99	21.80	21.82
			8	7	22.00	21.59	21.91	21.76
			15	0	22.00	21.86	21.77	21.79
		16QAM	1	0	23.00	22.50	22.35	22.30
			1	7	23.00	22.45	22.44	22.17
			1	14	23.00	22.06	22.29	22.12
			8	0	21.50	21.08	20.97	21.21
			8	4	21.50	21.12	21.01	21.22
			8	7	21.50	20.72	20.95	21.19
			15	0	21.50	21.05	20.97	21.18
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		131997/1712.5	132322/1745	132647/1777.5
LTE Band 66	5MHz	QPSK	1	0	23.50	22.89	23.17	23.14
			1	12	23.50	22.95	23.15	23.09
			1	24	23.50	22.98	23.08	22.89
			12	0	22.00	21.85	21.94	21.84
			12	6	22.00	21.55	21.81	21.72

			12	11	22.00	21.58	21.88	21.71
			25	0	22.00	21.53	21.86	21.82
		16QAM	1	0	22.00	21.84	21.89	21.83
			1	12	22.00	21.49	21.86	21.67
			1	24	22.00	21.52	21.80	21.71
			12	0	21.50	20.93	21.17	21.04
			12	6	21.50	20.66	20.83	21.13
			12	11	21.50	20.61	21.23	21.12
			25	0	21.50	20.78	20.99	21.32
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		132022/1715	132322/1745	132622/1775
LTE Band 66	10MHz	QPSK	1	0	23.00	22.64	22.73	22.88
			1	24	23.00	22.74	22.81	22.95
			1	49	23.00	22.75	22.79	22.79
			25	0	22.00	21.65	21.89	21.82
			25	12	22.00	21.69	21.81	21.76
			25	24	22.00	21.71	21.90	21.75
			50	0	22.00	21.66	21.91	21.71
		16QAM	1	0	22.50	22.47	22.29	22.39
			1	24	22.50	22.10	22.35	22.41
			1	49	22.50	22.17	22.31	22.14
			25	0	21.50	20.53	21.13	20.81
			25	12	21.50	20.66	20.83	20.78
			25	24	21.50	21.19	21.11	21.05
			50	0	21.00	20.76	20.93	20.80
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		132047/1717.5	132322/1745	132597/1772.5
LTE Band 66	15MHz	QPSK	1	0	23.50	22.87	22.97	22.81
			1	37	23.50	22.97	22.91	22.84
			1	74	23.50	23.27	22.98	22.69
			36	0	22.50	21.64	21.84	21.82
			36	18	22.50	21.74	21.79	21.72
			36	37	22.50	21.90	22.01	21.68
			75	0	22.00	21.72	21.85	21.68
		16QAM	1	0	22.50	22.02	21.88	22.18
			1	37	22.50	21.73	21.83	22.19

			1	74	22.50	22.00	22.11	22.26
			36	0	21.50	20.78	21.10	21.08
			36	18	21.50	21.28	20.95	20.71
			36	37	21.50	21.17	21.06	21.00
			75	0	21.50	21.25	20.84	20.73
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		132072/1720	132322/1745	132572/1770
LTE Band 66	20MHz	QPSK	1	0	23.50	22.77	22.92	23.11
			1	49	23.50	23.02	22.97	23.02
			1	99	23.50	23.21	23.02	22.91
			50	0	22.50	21.59	21.96	21.74
			50	24	22.50	21.74	21.83	21.84
			50	49	22.50	22.05	21.81	21.66
			100	0	22.00	21.85	21.82	21.75
		16QAM	1	0	22.50	21.92	21.93	21.83
			1	49	22.50	21.78	21.97	21.74
			1	99	22.50	21.97	22.06	21.69
			50	0	21.50	20.71	20.92	20.89
			50	24	21.50	21.12	20.90	21.08
			50	49	21.50	21.19	20.94	20.78
			100	0	21.50	21.17	20.97	21.17

7.4. WLAN Output Power

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)
802.11b	1	2412	16.50	15.57
	6	2437	16.50	16.46
	11	2462	16.50	15.00
802.11g	1	2412	14.00	13.73
	6	2437	14.00	14.00
	11	2462	14.00	13.88
802.11n HT20	1	2412	13.00	12.57
	6	2437	13.00	12.80
	11	2462	13.00	11.59

NOTE: Power measurement results of WLAN 2.4G.

8. SAR Results

8.1. SAR measurement Result

8.1.1. SAR measurement Result of GSM850

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front-of-face	189/836.4	GPRS(GMSK 3TS)	0.025	0.019	-0.55	27.81	28.50	0.029	2025/10/17	2#

NOTE: 1.Body SAR test results of GSM850

2.Tested by : Jack Peng

Test Position 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 10-g (W/Kg)	Date	Plot
			1-g	10-g						
Limb-worn	189/836.4	GPRS(GMSK 3TS)	0.313	0.187	-0.77	27.81	28.50	0.219	2025/10/17	1#

NOTE: 1. Limb SAR test results of GSM850

2.Tested by : Jack Peng

8.1.2. SAR measurement Result of GSM1900

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front-of-face	661/1880	GPRS(GMSK 3TS)	0.030	0.018	-0.64	25.07	25.50	0.033	2025/10/19	3#

NOTE: 1.Body SAR test results of GSM1900

2.Tested by : Jack Peng

Test Position 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 10-g (W/Kg)	Date	Plot
			1-g	10-g						
Limb-worn	661/1880	GPRS(GMSK 3TS)	0.595	0.314	0.33	25.07	25.50	0.347	2025/10/19	4#

NOTE: 1. Limb SAR test results of GSM1900

2.Tested by : Jack Peng

8.1.3. SAR measurement Result of WCDMA Band 2

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front-of-face	9400/1880	RMC12.2K	0.060	0.037	-2.61	22.49	23.00	0.067	2025/10/19	6#

NOTE: 1.Body SAR test results of LTE WCDMA Band 2

2.Tested by : Jack Peng

Test Position 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 10-g (W/Kg)	Date	Plot
			1-g	10-g						
Limb-worn	9400/1880	RMC12.2K	1.223	0.654	-1.10	22.49	23.00	0.735	2025/10/19	5#

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

2.Tested by : Jack Peng

8.1.4. SAR measurement Result of WCDMA Band 4

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front-of-face	1413/1732.6	RMC12.2K	0.148	0.092	0.24	22.60	23.00	0.162	2025/10/18	7#

NOTE: 1.Body SAR test results of LTE WCDMA Band 4

2.Tested by : Jack Peng

Test Position 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 10-g (W/Kg)	Date	Plot
			1-g	10-g						
Limb-worn	1413/1732.6	RMC12.2K	1.911	1.041	-0.87	22.60	23.00	1.141	2025/10/18	8#

NOTE: 1. Limb SAR test results of WCDMA Band 4

2.Tested by : Jack Peng

8.1.5. SAR measurement Result of WCDMA Band 5

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front-of-face	4182/836.4	RMC12.2K	0.007	0.004	-3.23	21.85	22.50	0.008	2025/10/17	9#

NOTE: 1.Body SAR test results of LTE WCDMA Band 5

2.Tested by : Jack Peng

Test Position 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 10-g (W/Kg)	Date	Plot
			1-g	10-g						
Limb-worn	4182/836.4	RMC12.2K	0.172	0.105	-0.91	21.85	22.50	0.122	2025/10/17	10#

NOTE: Limb SAR test results of WCDMA Band 5

2.Tested by : Max Zhou

8.1.6. SAR measurement Result of LTE Band 2

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front-of-face	18900/1880	20M QPSK(1,49)	0.091	0.058	-2.46	23.79	24.50	0.107	2025/10/19	13#
50%RB										
Front-of-face	18900/1880	20M QPSK(50,0)	0.065	0.032	-1.65	22.84	23.50	0.076	2025/10/19	

NOTE: 1.Body SAR test results of LTE Band 2

2.Tested by : Jack Peng

Test Position 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 10-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Limb-worn	18900/1880	20M QPSK(1,49)	1.330	0.722	-0.70	23.79	24.50	0.850	2025/10/19	14#
50%RB										
Limb-worn	18900/1880	20M	1.084	0.515	-1.96	22.84	23.50	1.262	2025/10/19	

		QPSK(50,0)				
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NOTE: 1. Limb SAR test results of LTE Band 2

2. Tested by : Jack Peng

8.1.7. SAR measurement Result of LTE Band 4

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front-of-face	20175/1732.5	20M QPSK(1,49)	0.117	0.072	-0.27	24.01	24.50	0.131	2025/10/18	16#
50%RB										
Front-of-face	20175/1732.5	20M QPSK(50,49)	0.087	0.042	0.54	22.79	23.00	0.091	2025/10/18	

NOTE: 1.Body SAR test results of LTE Band 4

2. Tested by : Jack Peng

Test Position 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 10-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Limb-worn	20175/1732.5	20M QPSK(1,49)	2.629	1.444	2.70	24.01	24.50	1.616	2025/10/18	15#
50%RB										
Limb-worn	20175/1732.5	20M QPSK(50,49)	2.174	1.056	-2.65	22.79	23.00	1.108	2025/10/18	

NOTE: 1. Limb SAR test results of LTE Band 4

2. Tested by : Jack Peng

8.1.8. SAR measurement Result of LTE Band 5

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front-of-face	20525/836.5	10M QPSK(1,0)	0.023	0.015	-2.12	23.22	24.00	0.028	2025/10/17	18#
50%RB										

Front-of-face	20525/836.5	20M QPSK(25,24)	0.011	0.005	-1.65	22.10	22.50	0.012	2025/10/17	
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NOTE: 1.Body SAR test results of LTE Band 5

2.Tested by : Jack Peng

Test Position 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 10-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Limb-worn	20525/836.5	10M QPSK(1,0)	0.229	0.139	-1.04	23.22	24.00	0.166	2025/10/17	17#
50%RB										
Limb-worn	20525/836.5	20M QPSK(25,24)	0.105	0.051	-2.74	22.10	22.50	0.056	2025/10/17	

NOTE: 1. Limb SAR test results of LTE Band 5

2. Tested by : Max Zhou

8.1.9. SAR measurement Result of LTE Band 7

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front-of-face	21100/2535	20M QPSK(1,99)	0.275	0.152	1.74	23.62	24.00	0.300	2025/10/20	19#
50%RB										
Front-of-face	21100/2535	20M QPSK(50,0)	0.127	0.061	-1.58	22.36	23.00	0.147	2025/10/20	

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

2.Tested by : Jack Peng

Test Position 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 10-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Limb-worn	21100/2535	20M QPSK(1,99)	3.475	1.497	-0.31	23.62	24.00	1.634	2025/10/20	20#
50%RB										
Limb-worn	21100/2535	20M	1.861	0.974	-1.62	22.36	23.00	1.129	2025/10/20	

QPSK(50,0)

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

2. Tested by : Jack Peng

8.1.10. SAR measurement Result of LTE Band 12

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front-of-face	23095/707.5	10M QPSK(1,24)	0.017	0.011	-0.73	23.09	23.50	0.019	2025/10/27	21#
50%RB										
Front-of-face	23095/707.5	10M QPSK(25,0)	0.011	0.005	-1.47	22.33	22.50	0.011	2025/10/27	

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

2.Tested by : Jack Peng

Test Position 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 10-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Limb-worn	23095/707.5	10M QPSK(1,24)	0.192	0.110	2.95	23.09	23.50	0.121	2025/10/27	22#
50%RB										
Limb-worn	23095/707.5	10M QPSK(25,0)	0.115	0.058	-2.81	22.33	22.50	0.060	2025/10/27	

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

2. Tested by : Jack Peng

8.1.11. SAR measurement Result of LTE Band 13

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front-of-face	23230/782	10M QPSK(1,24)	0.039	0.026	-4.59	23.33	23.50	0.041	2025/10/27	23#
50%RB										
Front-of-face	23230/782	10M	0.017	0.008	-2.51	21.96	22.00	0.017	2025/10/27	

		QPSK(25,24)							
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NOTE: 1.Body SAR test results of LTE Band 13

2.Tested by : Jack Peng

Test Position 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 10-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Limb-worn	23230/782	10M QPSK(1,24)	0.470	0.262	-0.51	23.33	23.50	0.272	2025/10/27	24#
50%RB										
Limb-worn	23230/782	10M QPSK(25,24)	0.247	0.121	-0.34	21.96	22.00	0.122	2025/10/27	

NOTE:1. Limb SAR test results of LTE Band 13

2. Tested by : Jack Peng

8.1.12. SAR measurement Result of LTE Band 17

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front-of-face	23790/710	10M QPSK(1,0)	0.019	0.012	3.65	23.13	23.50	0.021	2025/10/27	26#
50%RB										
Front-of-face	23790/710	10M QPSK(25,0)	0.006	0.003	1.84	22.24	22.50	0.006	2025/10/27	

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

2.Tested by : Jack Peng

Test Position 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 10-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Limb-worn	23790/710	10M QPSK(1,0)	0.187	0.112	1.10	23.13	23.50	0.122	2025/10/27	25#
50%RB										
Limb-worn	23790/710	10M QPSK(25,0)	0.122	0.060	-2.64	22.24	22.50	0.064	2025/10/27	

NOTE: 1. Limb SAR test results of LTE Band 17
2. Tested by : Jack Peng

8.1.13. SAR measurement Result of LTE Band 26a

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front-of-face	26740/819	10M QPSK(1,24)	0.018	0.012	-0.78	23.18	23.80	0.021	2025/10/17	30#
50%RB										
Front-of-face	26740/819	10M QPSK(25,12)	0.007	0.003	0.47	22.16	22.50	0.008	2025/10/17	

NOTE: 1.Body SAR test results of LTE Band 26a
2.Tested by : Jack Peng

Test Position 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 10-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Limb-worn	26740/819	10M QPSK(1,24)	0.170	0.104	0.11	23.18	23.80	0.120	2025/10/17	27#
50%RB										
Limb-worn	26740/819	10M QPSK(25,12)	0.108	0.051	-1.84	22.16	22.50	0.055	2025/10/17	

NOTE: 1. Limb SAR test results of LTE Band 26a
2.Tested by : Jack Peng

8.1.14. SAR measurement Result of LTE Band 26b

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front-of-face	26865/831.5	15M QPSK(1,0)	0.021	0.013	-4.00	23.47	24.00	0.024	2025/10/17	28#
50%RB										
Front-of-face	26865/831.5	15M QPSK(36,0)	0.013	0.006	-2.63	22.12	22.50	0.014	2025/10/17	

NOTE: 1.Body SAR test results of LTE Band 26b

2.Tested by : Jack Peng

Test Position 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 10-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Limb-worn	26865/831.5	15M QPSK(1,0)	0.205	0.122	0.86	23.47	24.00	0.138	2025/10/17	29#
50%RB										
Limb-worn	26865/831.5	15M QPSK(36,0)	0.114	0.052	-1.84	22.12	22.50	0.057	2025/10/17	

NOTE: 1. Limb SAR test results of LTE Band 26b

2.Tested by : Jack Peng

8.1.15. SAR measurement Result of LTE Band 41

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front-of-face	40620/2593	20M QPSK(1,0)	0.176	0.086	-1.84	23.59	24.00	0.193	2025/10/20	31#
50%RB										
Front-of-face	40620/2593	20M QPSK(50,24)	0.112	0.054	-2.47	22.54	23.00	0.125	2025/10/20	

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

2.Tested by : Jack Peng

Test Position 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 10-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Limb-worn	40620/2593	20M QPSK(1,0)	2.222	0.941	1.79	23.59	24.00	1.034	2025/10/20	32#
50%RB										
Limb-worn	40620/2593	20M QPSK(50,24)	1.512	0.762	-1.74	22.54	23.00	0.847	2025/10/20	

NOTE: 1. Limb SAR test results of Band 41

2. Tested by : Jack Peng

8.1.16. SAR measurement Result of LTE Band 66

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Front-of-face	132322/1745	20M QPSK(1,99)	0.151	0.094	4.49	23.02	23.50	0.169	2025/10/18	34#
50%RB										
Front-of-face	132322/1745	20M QPSK(50,0)	0.074	0.036	3.14	21.96	22.50	0.084	2025/10/18	

NOTE: 1. Body SAR test results of LTE Band 66

2. Tested by : Jack Peng

Test Position 0mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 10-g (W/Kg)	Date	Plot
			1-g	10-g						
1RB										
Limb-worn	132322/1745	20M QPSK(1,99)	2.596	1.423	0.29	23.02	23.50	1.589	2025/10/18	33#
50%RB										
Limb-worn	132322/1745	20M QPSK(50,0)	1.721	0.862	2.71	21.96	22.50	0.976	2025/10/18	

NOTE: 1. Limb SAR test results of Band 66

2. Tested by : Jack Peng

8.1.17. SAR measurement Result of WLAN 2.4G

Test Position 10mm	Test channel /Freq.	Mode	SAR Value (W/kg)		Power Drift(%)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled SAR 1-g (W/Kg)	Date	Plot
			1-g	10-g						
Front-of-face	6/2437	802.11b	0.024	0.016	1.78	16.46	16.50	0.024	2025/10/28	11#

NOTE: 1. Body SAR test results of WLAN 2.4G

2. Tested by : Jack Peng

Test Position	Test channel	Mode	SAR Value (W/kg)	Power Drift(%)	Conducted Power	Tune-up Power	Scaled SAR	Date	Plot
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0mm	/Freq.		1-g	10-g		(dBm)	(dBm)	10-g (W/Kg)		
Limb-worn	6/2437	802.11b	2.596	1.423	0.29	16.46	16.50	1.436	2025/10/28	12#

NOTE: 1.Extremity SAR test results of WLAN 2.4G

2.Tested by : Jack Peng

8.2. Simultaneous Transmission Analysis

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

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

Exposure Position	WWAN Band	WLAN Band	Simultaneous Tx SAR(W/Kg)
	SAR(W/Kg)	SAR(W/Kg)	
Front-of-face	0.300	0.024	0.324
Limb-worn	1.634	1.436	3.070

9. Appendix A. Photo documentation

Refer to appendix Test Setup photo---SAR

10. Appendix B. System Check Plots

Table of contents
MEASUREMENT 1 System Performance Check - 750MHz
MEASUREMENT 2 System Performance Check - 835MHz
MEASUREMENT 3 System Performance Check - 1800MHz
MEASUREMENT 4 System Performance Check - 1900MHz
MEASUREMENT 5 System Performance Check - 2450MHz
MEASUREMENT 6 System Performance Check -2600MHz

1# System check at 750 MHz

Date of measurement: 27/10/2025

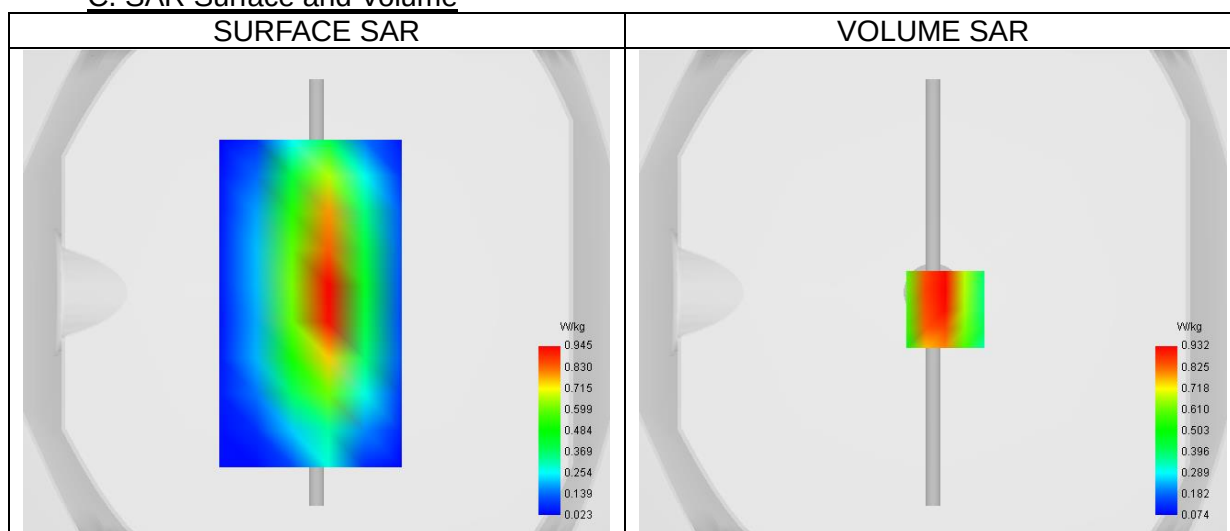
A. Experimental conditions.

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

B. Permittivity

Middle TX Frequency (MHz)	750.00
Relative permittivity (real part)	40.42
Relative permittivity (imaginary part)	21.51
Conductivity (S/m)	0.90

C. SAR Surface and Volume



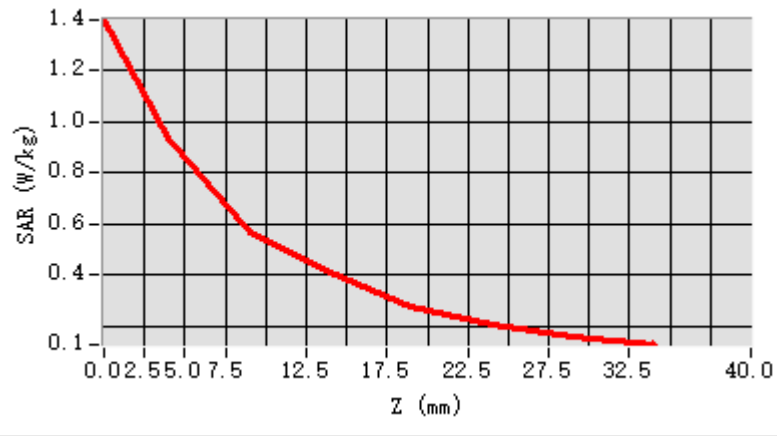
Maximum location: X=5.00, Y=-7.00 ; SAR Peak: 1.38 W/kg

D. SAR 1g & 10g

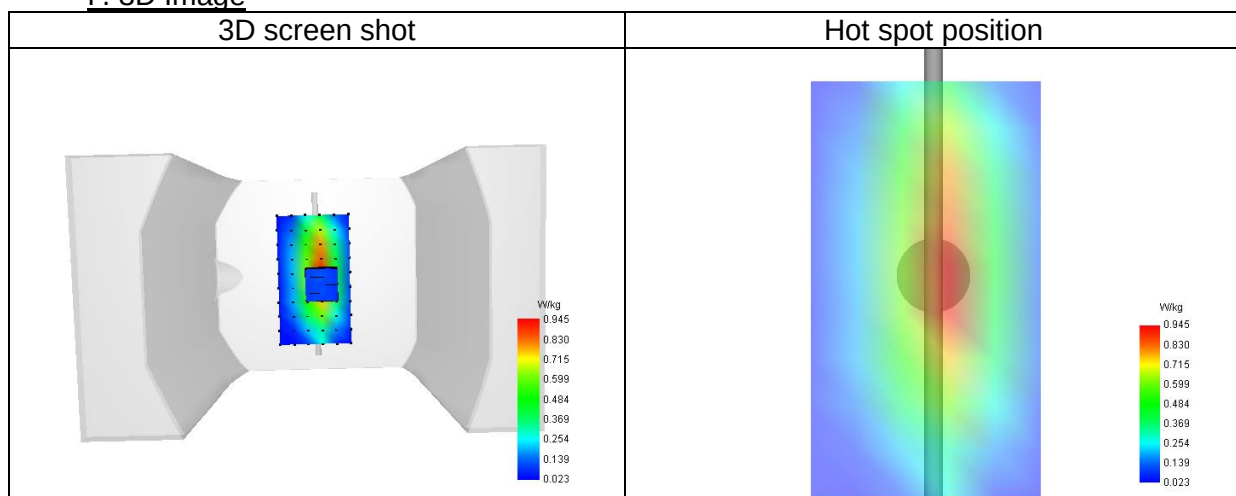
SAR 10g (W/Kg)	0.549
SAR 1g (W/Kg)	0.908
Variation (%)	2.60
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	64.19

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.397	0.932	0.570	0.407	0.273	0.204	0.156



F. 3D Image



2# System check at 835 MHz

Date of measurement: 17/10/2025

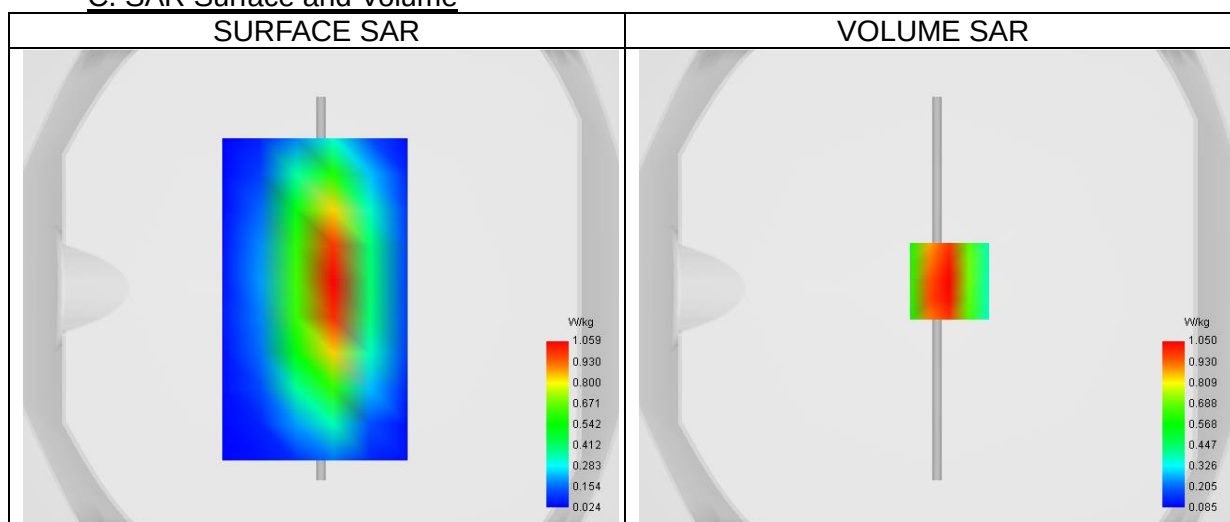
A. Experimental conditions.

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

B. Permittivity

Middle TX Frequency (MHz)	835.00
Relative permittivity (real part)	41.42
Relative permittivity (imaginary part)	19.38
Conductivity (S/m)	0.90

C. SAR Surface and Volume



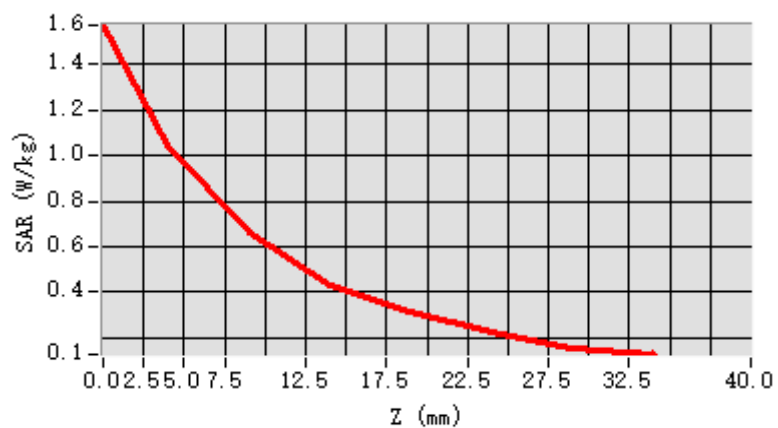
Maximum location: X=5.00, Y=3.00 ; SAR Peak: 1.61 W/kg

D. SAR 1g & 10g

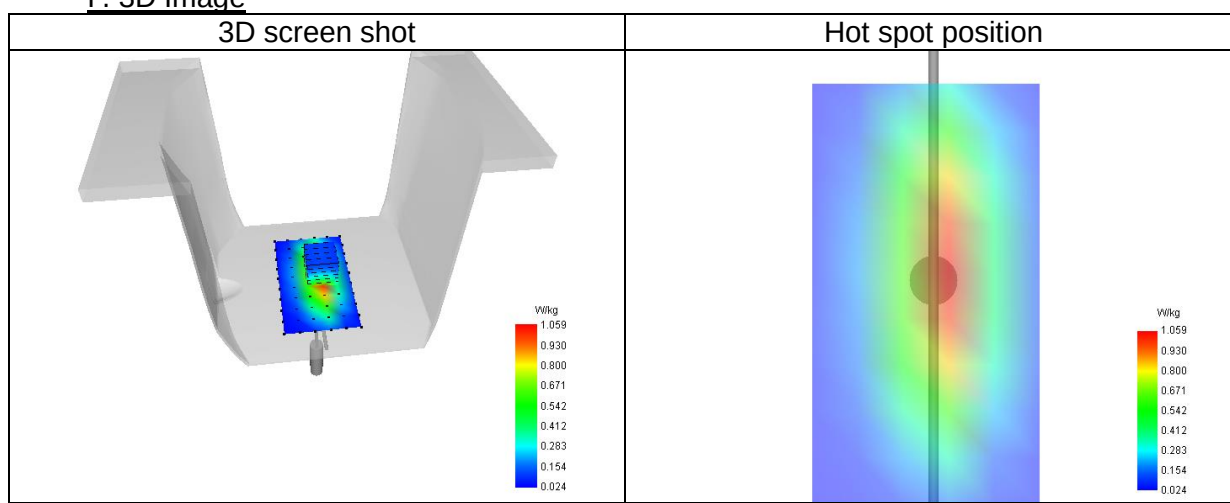
SAR 10g (W/Kg)	0.613
SAR 1g (W/Kg)	1.031
Variation (%)	-0.21
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	62.69

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.574	1.050	0.658	0.434	0.312	0.222	0.153



F. 3D Image



3# System check at 1800 MHz
Date of measurement: 18/10/2025

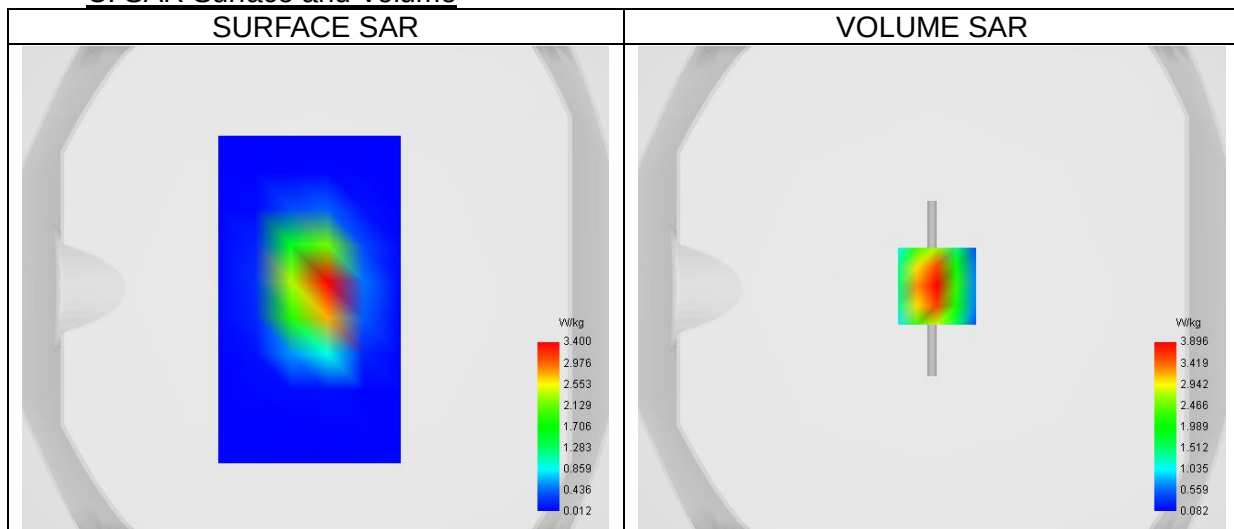
A. Experimental conditions.

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

B. Permittivity

Middle TX Frequency (MHz)	1800.00
Relative permittivity (real part)	38.67
Relative permittivity (imaginary part)	13.78
Conductivity (S/m)	1.38

C. SAR Surface and Volume



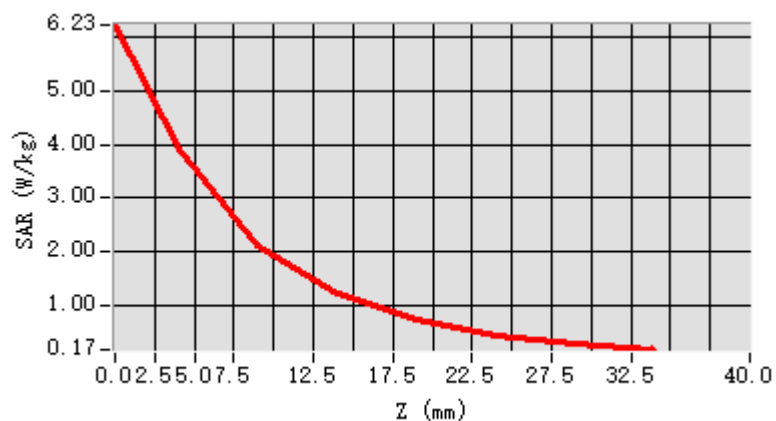
Maximum location: X=2.00, Y=1.00 ; SAR Peak: 6.34 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	1.885
SAR 1g (W/Kg)	3.721
Variation (%)	-0.40
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	54.58

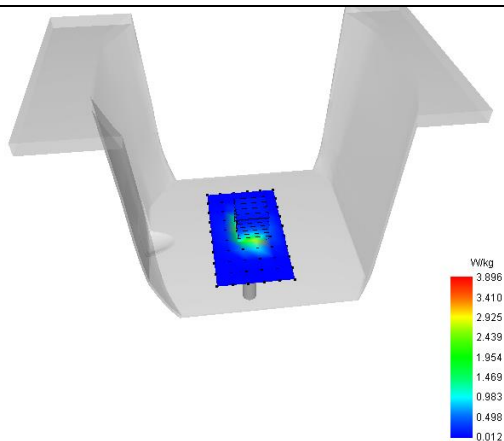
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.231	3.896	2.126	1.212	0.719	0.439	0.266

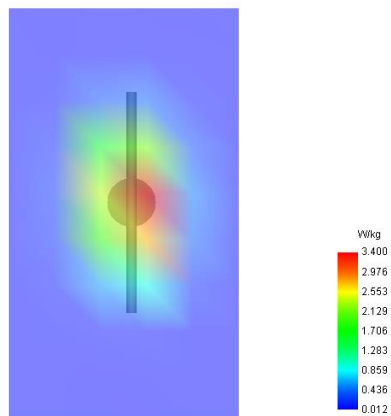


F. 3D Image

3D screen shot



Hot spot position



4# System check at 1900 MHz
Date of measurement: 19/10/2025

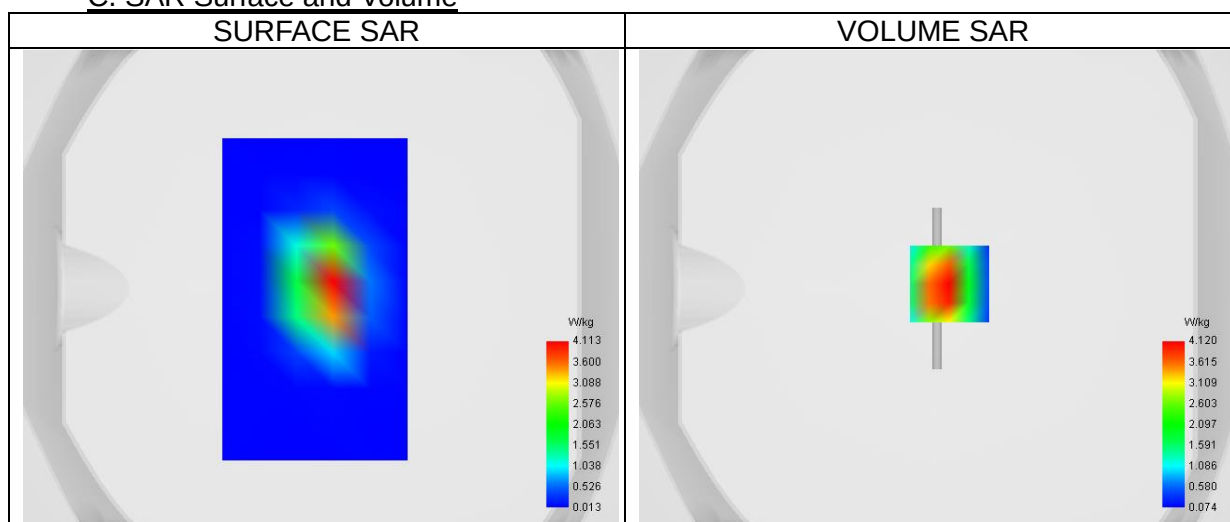
A. Experimental conditions.

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

B. Permittivity

Middle TX Frequency (MHz)	1900.00
Relative permittivity (real part)	38.40
Relative permittivity (imaginary part)	13.78
Conductivity (S/m)	1.45

C. SAR Surface and Volume



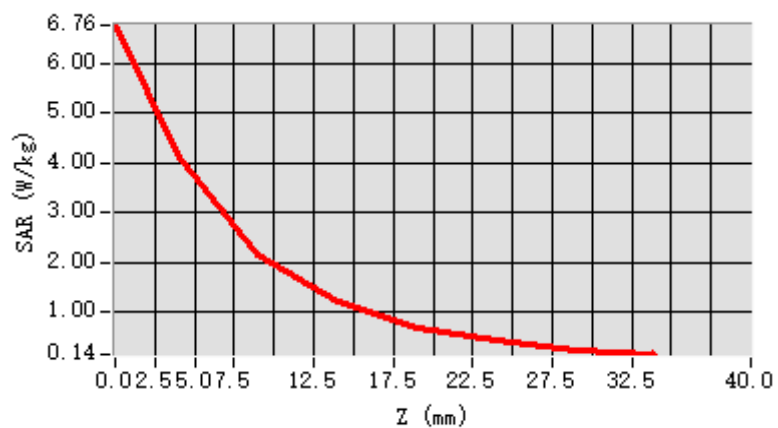
Maximum location: X=5.00, Y=2.00 ; SAR Peak: 7.10 W/kg

D. SAR 1g & 10g

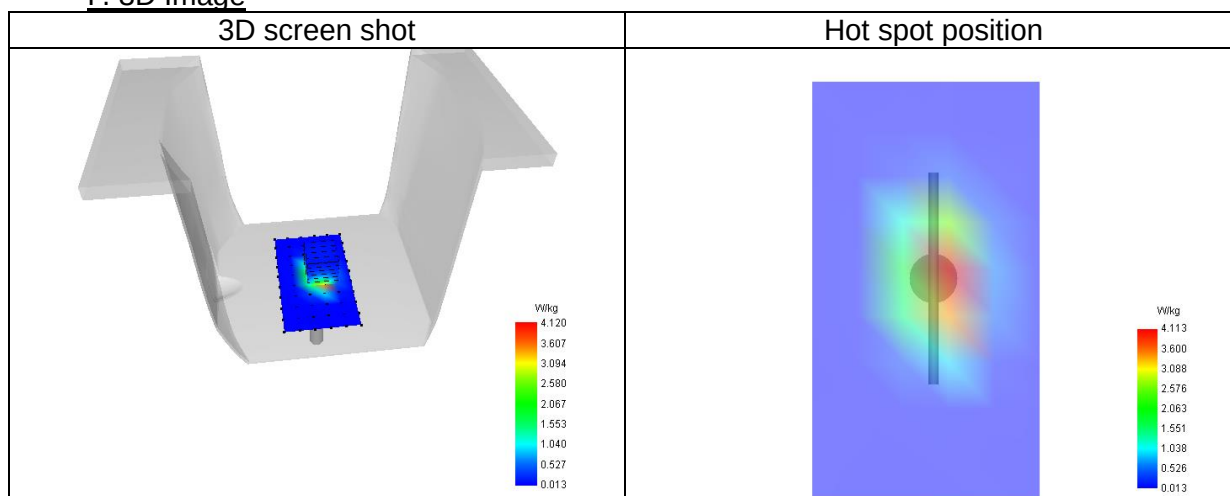
SAR 10g (W/Kg)	1.983
SAR 1g (W/Kg)	4.158
Variation (%)	-0.09
Horizontal validation criteria: minimum distance (mm)	8.00
Vertical validation criteria: SAR ratio M2/M1 (%)	52.28

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.759	4.120	2.154	1.215	0.682	0.421	0.243



F. 3D Image



5# System check at 2450 MHz
Date of measurement: 28/10/2025

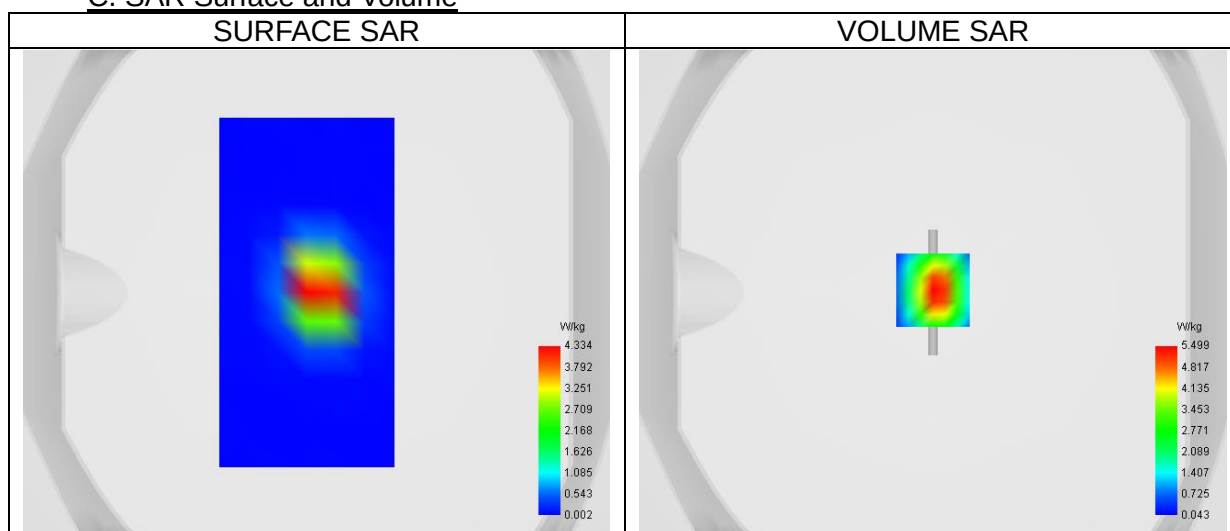
A. Experimental conditions.

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

B. Permittivity

Middle TX Frequency (MHz)	2450.00
Relative permittivity (real part)	38.14
Relative permittivity (imaginary part)	13.64
Conductivity (S/m)	1.86

C. SAR Surface and Volume



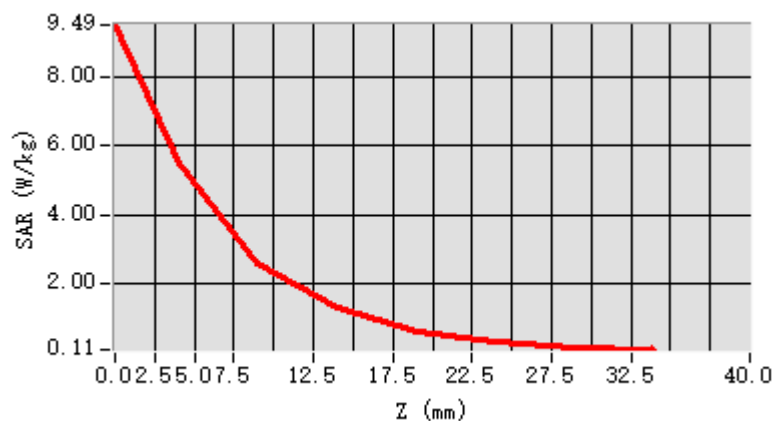
Maximum location: X=0.00, Y=1.00 ; SAR Peak: 9.55 W/kg

D. SAR 1g & 10g

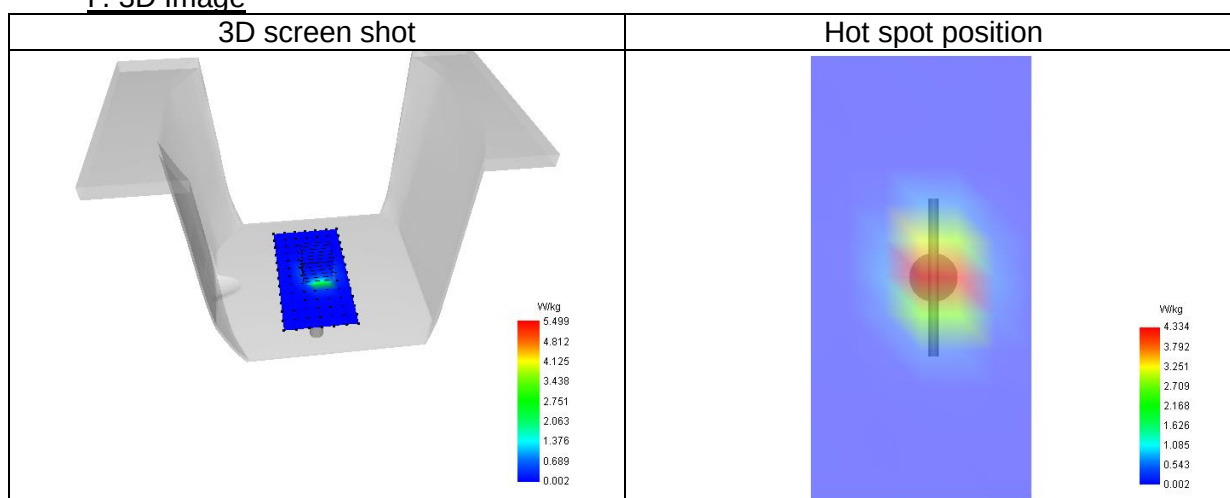
SAR 10g (W/Kg)	2.241
SAR 1g (W/Kg)	5.148
Variation (%)	-0.31
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	47.34

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	9.494	5.499	2.603	1.319	0.649	0.330	0.181



F. 3D Image



6# System check at 2600 MHz
Date of measurement: 20/10/2025

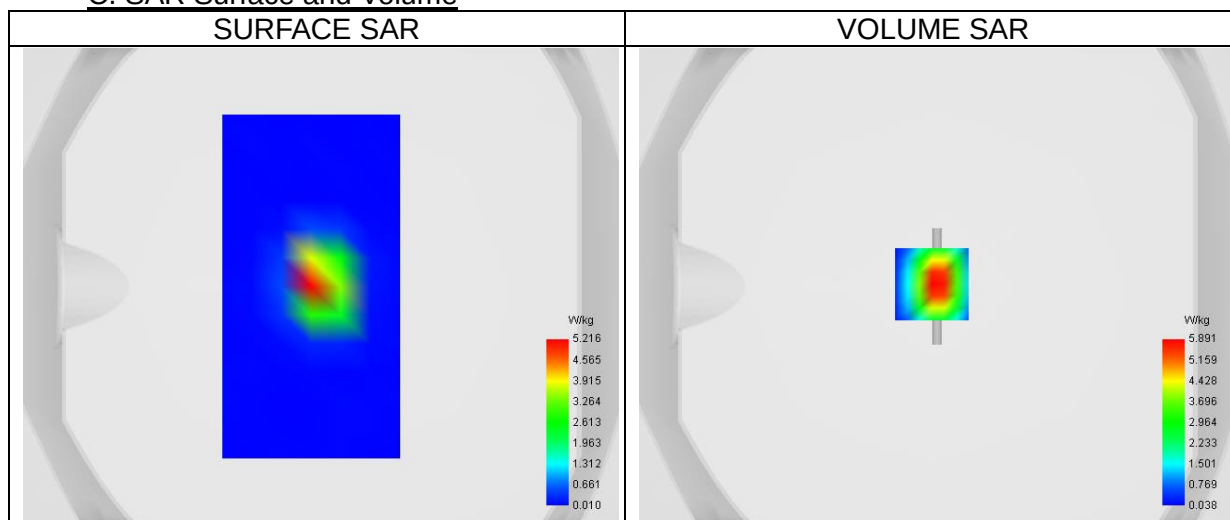
A. Experimental conditions.

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

B. Permittivity

Middle TX Frequency (MHz)	2600.00
Relative permittivity (real part)	40.06
Relative permittivity (imaginary part)	13.97
Conductivity (S/m)	2.02

C. SAR Surface and Volume



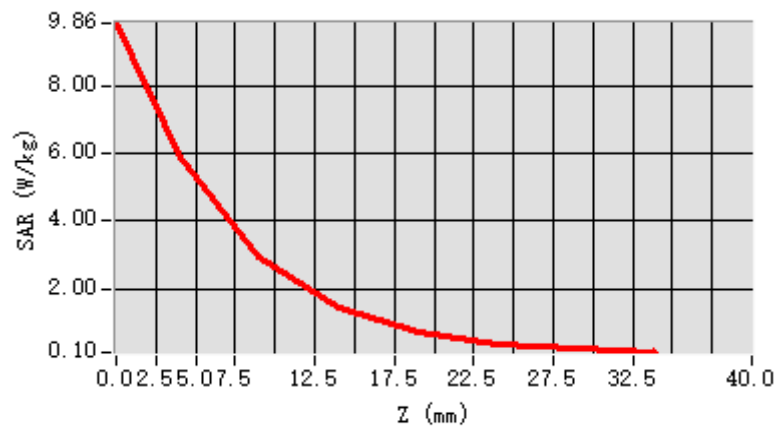
Maximum location: X=-2.00, Y=1.00 ; SAR Peak: 10.33 W/kg

D. SAR 1g & 10g

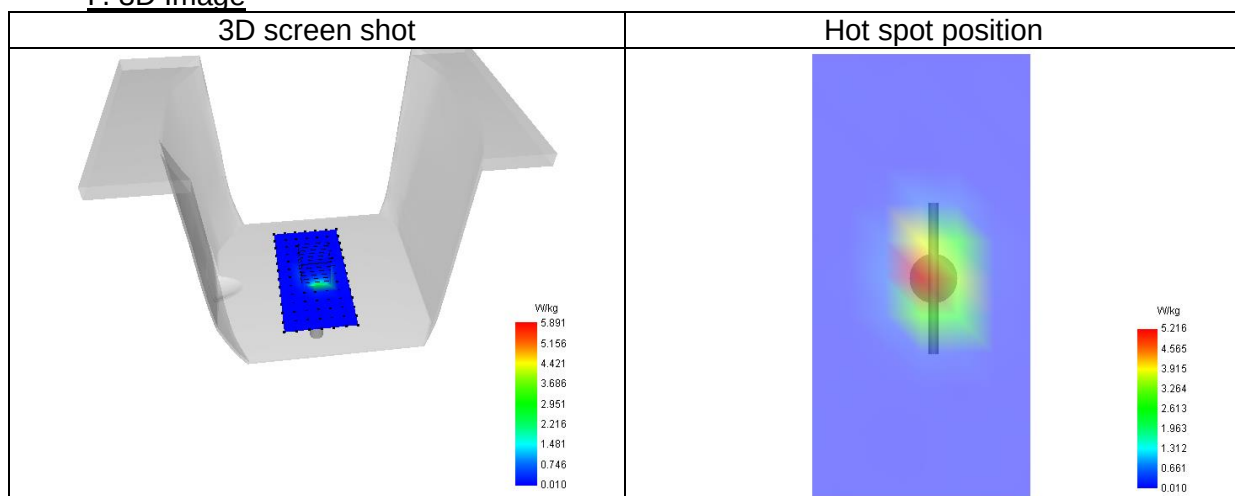
SAR 10g (W/Kg)	2.344
SAR 1g (W/Kg)	5.514
Variation (%)	0.97
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	49.44

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	9.862	5.891	2.912	1.433	0.721	0.375	0.216



F. 3D Image



11. Appendix C. Plots of High SAR Measurement

- 1# SAR Measurement at GPRS850 (Body, Validation Plane)**
- 2# SAR Measurement at GPRS850 (Body, Validation Plane)**
- 3# SAR Measurement at GPRS1900 (Body, Validation Plane)**
- 4# SAR Measurement at GPRS1900 (Body, Validation Plane)**
- 5# SAR Measurement at Band 2 (1900) (Body, Validation Plane)**
- 6# SAR Measurement at Band 2 (1900) (Body, Validation Plane)**
- 7# SAR Measurement at Band 4 (1700) (Body, Validation Plane)**
- 8# SAR Measurement at Band 4 (1700) (Body, Validation Plane)**
- 9# SAR Measurement at Band 5 (850) (Body, Validation Plane)**
- 10# SAR Measurement at Band 5 (850) (Body, Validation Plane)**
- 11# SAR Measurement at ISM (Body, Validation Plane)**
- 12# SAR Measurement at ISM (Body, Validation Plane)**
- 13# SAR Measurement at LTE band 2 (Body, Validation Plane)**
- 14# SAR Measurement at LTE band 2 (Body, Validation Plane)**
- 15# SAR Measurement at LTE band 4 (Body, Validation Plane)**
- 16# SAR Measurement at LTE band 4 (Body, Validation Plane)**
- 17# SAR Measurement at LTE band 5 (Body, Validation Plane)**
- 18# SAR Measurement at LTE band 5 (Body, Validation Plane)**
- 19# SAR Measurement at LTE band 7 (Body, Validation Plane)**
- 20# SAR Measurement at LTE band 7 (Body, Validation Plane)**
- 21# SAR Measurement at LTE band 12 (Body, Validation Plane)**
- 22# SAR Measurement at LTE band 12 (Body, Validation Plane)**
- 23# SAR Measurement at LTE band 13 (Body, Validation Plane)**
- 24# SAR Measurement at LTE band 13 (Body, Validation Plane)**
- 25# SAR Measurement at LTE band 17 (Body, Validation Plane)**
- 26# SAR Measurement at LTE band 17 (Body, Validation Plane)**
- 27# SAR Measurement at LTE band 26 (Body, Validation Plane)**
- 28# SAR Measurement at LTE band 26 (Body, Validation Plane)**
- 29# SAR Measurement at LTE band 26 (Body, Validation Plane)**
- 30# SAR Measurement at LTE band 26 (Body, Validation Plane)**
- 31# SAR Measurement at LTE band 41 (Body, Validation Plane)**
- 32# SAR Measurement at LTE band 41 (Body, Validation Plane)**
- 33# SAR Measurement at LTE band 66 (Body, Validation Plane)**
- 34# SAR Measurement at LTE band 66 (Body, Validation Plane)**

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

Date of measurement: 17/10/2025

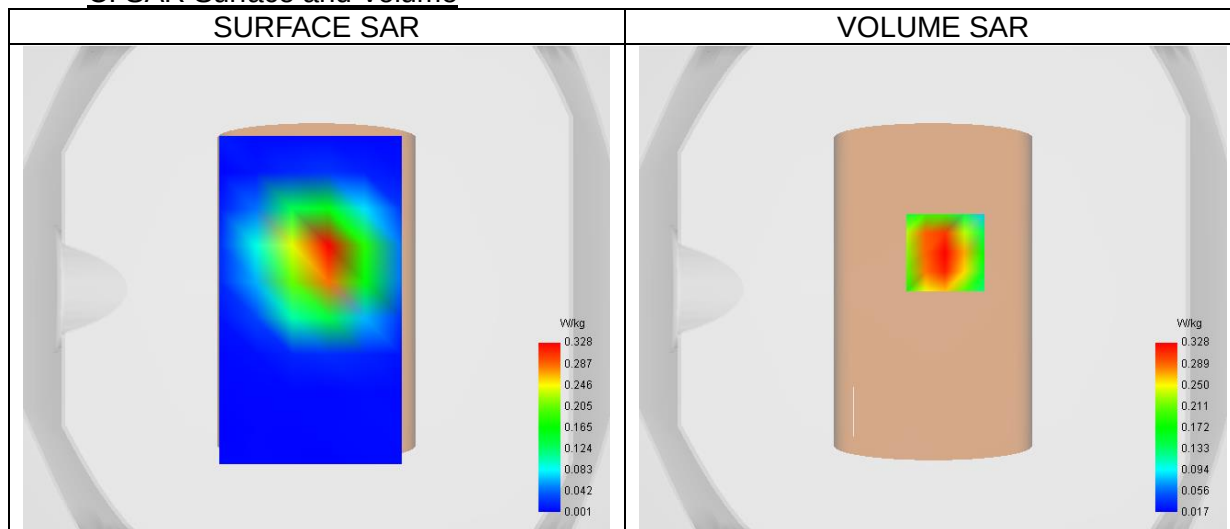
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	GPRS850
Signal	TDMA (GPRS)
Channels/Frequency	Middle (189)/ frequency 836.40 Mhz
Modulation	GMSK (CS-1)
TX-slots	1

B. Permittivity

Middle TX Frequency (MHz)	836.40
Relative permittivity (real part)	41.34
Relative permittivity (imaginary part)	19.40
Conductivity (S/m)	0.90

C. SAR Surface and Volume



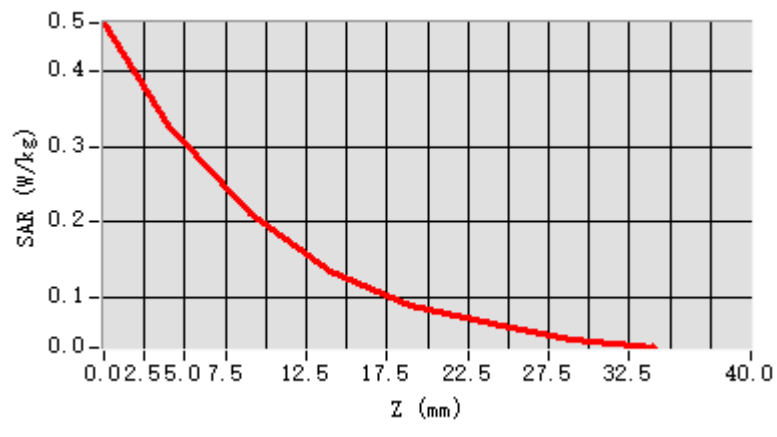
Maximum location: X=5.00, Y=15.00 ; SAR Peak: 0.50 W/kg

D. SAR 1g & 10g

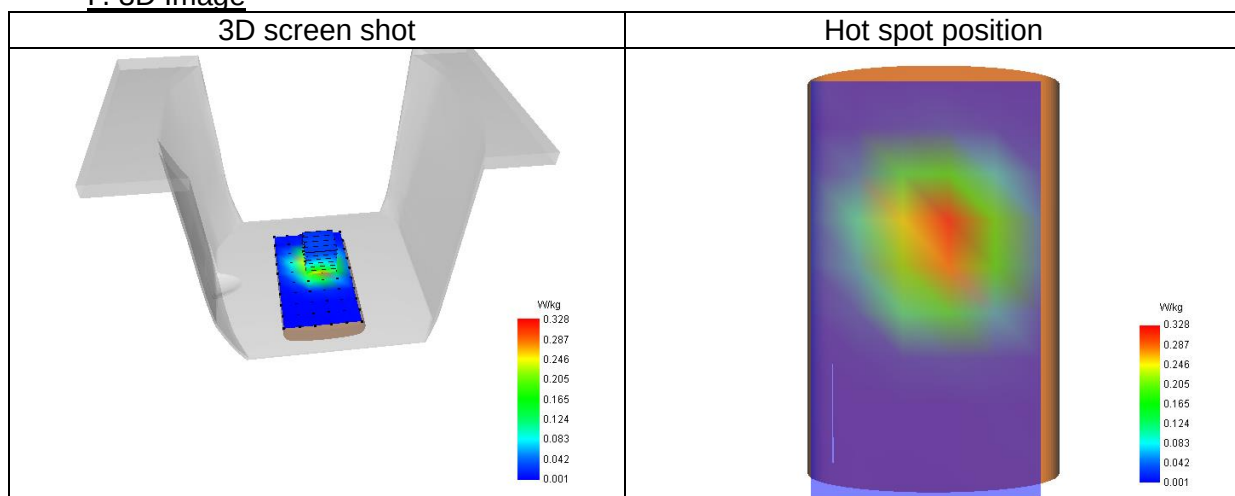
SAR 10g (W/Kg)	0.187
SAR 1g (W/Kg)	0.313
Variation (%)	-0.77
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	64.14

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.465	0.328	0.210	0.133	0.087	0.064	0.043



F. 3D Image



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

Date of measurement: 17/10/2025

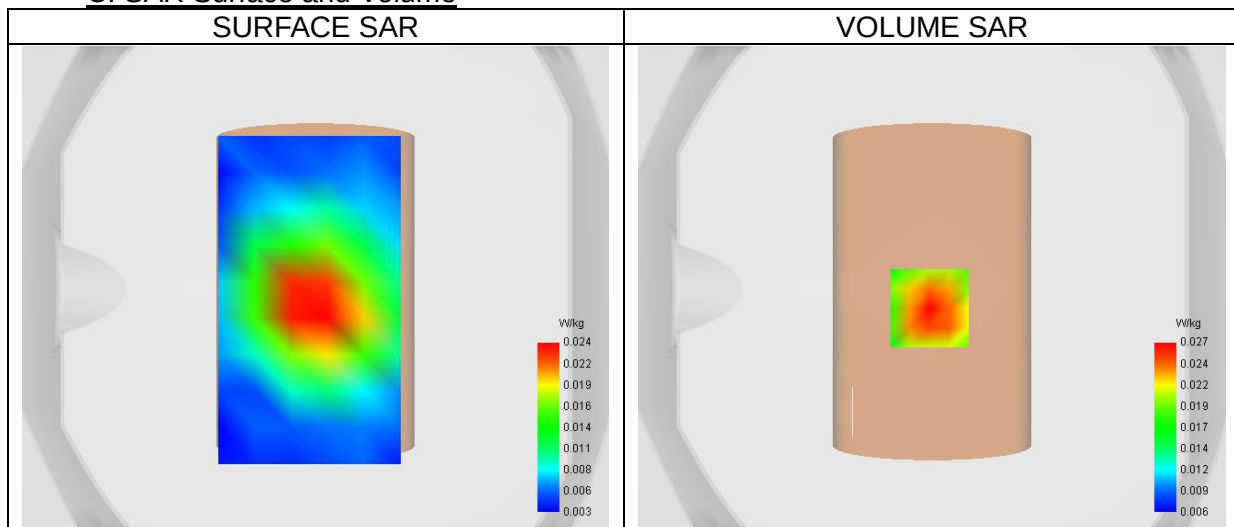
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	GPRS850
Signal	TDMA (GPRS)
Channels/Frequency	Middle (189)/ frequency 836.40 Mhz
Modulation	GMSK (CS-1)
TX-slots	1

B. Permittivity

Middle TX Frequency (MHz)	836.40
Relative permittivity (real part)	41.34
Relative permittivity (imaginary part)	19.40
Conductivity (S/m)	0.90

C. SAR Surface and Volume



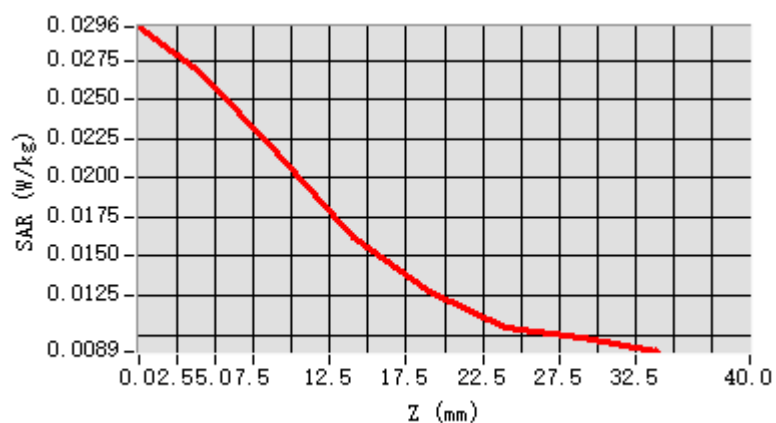
Maximum location: X=-1.00, Y=-8.00 ; SAR Peak: 0.03 W/kg

D. SAR 1g & 10g

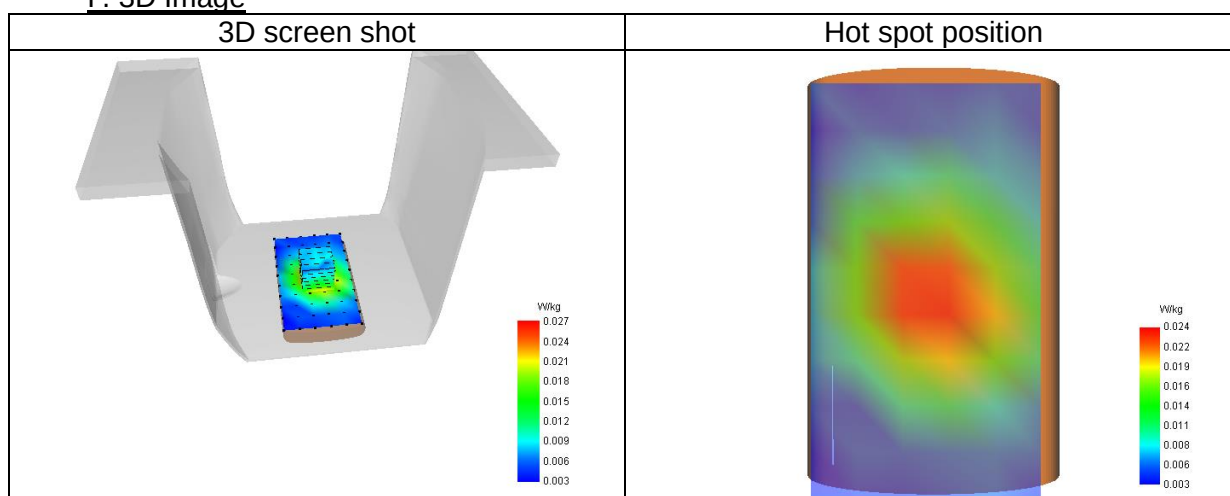
SAR 10g (W/Kg)	0.019
SAR 1g (W/Kg)	0.025
Variation (%)	-0.55
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.030	0.027	0.022	0.016	0.013	0.010	0.010



F. 3D Image



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

Date of measurement: 19/10/2025

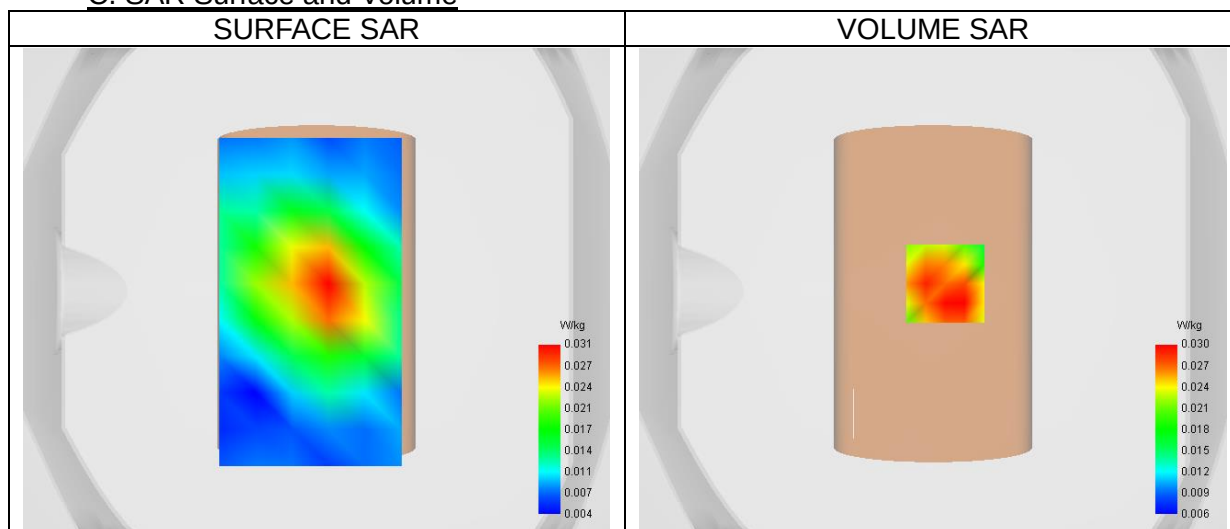
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	GPRS1900
Signal	TDMA (GPRS)
Channels/Frequency	Middle (661)/ frequency 1880.00 Mhz
Modulation	GMSK (CS-1)
TX-slots	1

B. Permittivity

Middle TX Frequency (MHz)	1880.00
Relative permittivity (real part)	38.49
Relative permittivity (imaginary part)	13.80
Conductivity (S/m)	1.44

C. SAR Surface and Volume



Maximum location: X=5.00, Y=3.00 ; SAR Peak: 0.04 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.018
SAR 1g (W/Kg)	0.030
Variation (%)	-0.64
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.039	0.030	0.020	0.016	0.011	0.010	0.009