

TEST REPORT

Reference No..... : WTX25X05125624W
FCC ID : 2A8EM-B7
Applicant : Bigme Cloud Literacy Technology Co., Ltd.
Address : 01 18F., COFCO PROPERTY TOWER,BAOMIN NO.1RD., BAO AN 3RD
DISTRICT, SHENZHEN, CHINA
Manufacturer : The same as Applicant
Address : The same as Applicant
Product Name : Tablet
Model No..... : B7
Standards : FCC Part 2.1093
IEEE Std C95.1: 2019
IEEE C95.3: 2021
Date of Receipt sample : 2025-05-19
Date of Test..... : 2025-05-19 to 2025-06-13
Date of Issue : 2025-06-13
Test Report Form No. : WTX_IEEE_1528W
Test Result..... : Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

Prepared By:

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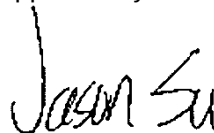
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Report version

Version No.	Date of issue	Description
Rev.00	2025-06-13	Original
/	/	/

1. General Information

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT:	
Product Name:	Tablet
Brand Name:	Bigme
Model No.:	B7
Adding Model(s):	B7 Lite, B7 Plus, B7 Ultra, B7 SE, B7 Color, B7 Color Lite, B7 Color Plus, B7 Color Ultra, B7 Color SE, B7C, B7C Lite, B7C Plus, B7C Ultra, B7C SE
Rated Voltage:	DC 3.85V by Battery
Battery Capacity	3000mAh
Power Adapter:	/
Test Sample No.:	WTX25X05125624W(001#)
<i>Note: The test data is gathered from a production sample provided by the manufacturer. The appearance of others models listed in the report is different from main-test model B7, but the circuit and the electronic construction do not change, declared by the manufacturer.</i>	

Technical Characteristics of EUT:	
2G	
Support Networks:	GSM, GPRS, EDGE
Support Band:	GSM850/PCS1900
Uplink Frequency:	GSM/GPRS/EDGE 850: 824~849MHz GSM/GPRS/EDGE 1900: 1850~1910MHz
Downlink Frequency:	GSM/GPRS/EDGE 850: 869~894MHz GSM/GPRS/EDGE 1900: 1930~1990MHz
Max RF Output Power:	GSM850: 33.73dBm, GSM1900: 29.70dBm EDGE850: 27.78dBm, EDGE1900: 28.22dBm
Type of Modulation:	GMSK, 8PSK
Type of Antenna:	Integral Antenna
Antenna Gain:	GSM850:0.09dBi; GSM1900: 1.74dBi
GPRS/EDGE Class:	Class 12
3G	
Support Networks:	WCDMA, HSDPA, HSUPA
Support Band:	WCDMA Band 2, WCDMA Band 5
Uplink Frequency:	WCDMA Band 2: 1850~1910MHz WCDMA Band 5: 824~849MHz
Downlink Frequency:	WCDMA Band 2: 1930~1990MHz

	WCDMA Band 5: 869~894MHz
RF Output Power:	WCDMA Band 2: 23.86dBm, WCDMA Band 5: 24.00dBm
Type of Modulation:	BPSK, QPSK, 16QAM
Antenna Type:	Integral Antenna
Antenna Gain:	WCDMA Band 2: 1.74dBi, WCDMA Band 5: 0.09dBi
4G	
Support Networks:	FDD-LTE, TDD-LTE
Support Band:	FDD-LTE Band 2, 5, 7, TDD-LTE Band 38, 40, 41
Uplink Frequency:	FDD-LTE Band 2: Tx: 1850-1910MHz, FDD-LTE Band 5: Tx: 824-849MHz, FDD-LTE Band 7: Tx: 2500-2570MHz, TDD-LTE Band 38: Tx: 2570-2620MHz TDD-LTE Band 40: Tx: 2305-2315MHz TDD-LTE Band 41: Tx: 2555-2655MHz
Downlink Frequency:	FDD-LTE Band 2: Rx: 1930-1990MHz, FDD-LTE Band 5: Rx: 869-894MHz, FDD-LTE Band 7: Rx: 2620-2690MHz, TDD-LTE Band 38: Rx: 2570-2620MHz TDD-LTE Band 40: Rx: 2305-2315MHz TDD-LTE Band 41: Rx: 2555-2655MHz
RF Output Power:	FDD-LTE Band 2: 24.68dBm, FDD-LTE Band 5: 24.79dBm, FDD-LTE Band 7: 23.92dBm, TDD-LTE Band 38: 23.30dBm, TDD-LTE Band 40(2305-2315MHz): 23.22dBm, TDD-LTE Band 41(2555-2655MHz): 23.36dBm
Type of Modulation:	QPSK, 16QAM
Antenna Type:	Integral Antenna
Antenna Gain:	FDD-LTE Band 2: 1.74dBi, FDD-LTE Band 5: 0.09dBi, FDD-LTE Band 7: 2.57dBi, TDD-LTE Band38: 2.57dBi, TDD-LTE Band 40(2305-2315MHz): 2.26dBi, TDD-LTE Band 41(2555-2655MHz): 2.57dBi
WIFI(5GHz)	
Support Standards:	802.11a, 802.11n(HT20) , 802.11n-HT40, 802.11ac-VHT80
Frequency Range:	5180-5240MHz, 5745-5825MHz
RF Output Power:	5150-5250MHz:16.55dBm (Conducted) 5725-5850MHz:17.70dBm (Conducted)
Type of Modulation:	BPSK,QPSK, 16QAM, 64QAM, 256-QAM
Type of Antenna:	Integral Antenna
Antenna Gain:	5180-5240MHz: 2.86dBi 5745-5825MHz: 2.86dBi
WIFI(2.4GHz)	
Support Standards:	802.11b, 802.11g, 802.11n

Frequency Range:	2412-2462MHz for 11b/g/n(HT20) 2422-2452MHz for 11n(HT40)
RF Output Power:	15.74dBm (Conducted)
Type of Modulation:	CCK, OFDM, QPSK, BPSK, 16QAM, 64QAM
Quantity of Channels:	11 for 802.11b/g/n(HT20); 7 for 802.11n-HT40
Channel Separation:	5MHz
Antenna Type:	Integral Antenna
Antenna Gain:	-0.86dBi
Bluetooth	
Bluetooth Version:	V5.0
Frequency Range:	2402-2480MHz
RF Output Power:	3.896dBm (Conducted)
Data Rate:	1Mbps, 2Mbps, 3Mbps
Modulation:	GFSK, $\pi/4$ DQPSK, 8DPSK
Quantity of Channels:	79/40
Channel Separation:	1MHz/2MHz
Antenna Type:	Integral Antenna
Antenna Gain:	-0.86dBi
<i>Note: The Antenna Gain is provided by the customer and can affect the validity of results.</i>	

1.2 Test Standards

The following report is accordance with FCC 47 CFR Part 2.1093, IEEE Std C95.1: 2019, IEEE C95.3: 2021, KDB 447498 D01 v06, KDB 648474 D04 v01r03, KDB 248227 D01 v02r02, KDB 941225 D01 v03r01, KDB 941225 D05 v02r05 , KDB 941225 D07 v01r02 and KDB 865664 D01 v01r04 and KDB 865664 D02 v01r02.

The objective is to determine compliance with FCC Part 2.1093 of the Federal Communication Commissions rules.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which is result in lowering the emission, should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with KDB 865664 D01 v01r04 and KDB 865664 D02 v01r02. The public notice KDB 447498 D01 v06 for Mobile and Portable Devices RF Exposure Procedure also.

1.4 Test Facility

Address of the test laboratory

Laboratory: Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road,Block 70 Bao'an District, Shenzhen, Guangdong, China

FCC – Registration No.: 125990

Waltek Testing Group (Shenzhen) Co., Ltd. EMC Laboratory 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. The Designation Number is CN5010. Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A and the CAB identifier is CN0057.

2. Summary of Test Results

The maximum results of Specific Absorption Rate (SAR) have found during testing are as follows:

Frequency Band	Body (5mm Gap)	SAR _{1g} Limit (W/kg)
	Maximum SAR _{1g} (W/kg)	
GSM	0.695	1.6
WCDMA	0.526	1.6
LTE	0.825	1.6
WLAN 2.4GHz	0.673	1.6
WLAN 5GHz	0.705	1.6
Simultaneous Transmission	1.530	1.6

The 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 2.1093 and IEEE Std C95.1: 2019 and had been tested in accordance with the measurement methods and procedure specified in KDB 865664 D01 v01r04 and KDB 865664 D02 v01r02.

3. Specific Absorption Rate (SAR)

3.1 Introduction

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

3.2 SAR Definition

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

$$SAR = \frac{d}{dt} \left(\frac{dW}{dm} \right) = \frac{d}{dt} \left(\frac{dW}{\rho dv} \right)$$

SAR is expressed in units of Watts per kilogram (W/kg)

SAR measurement can be either related to the temperature elevation in tissue by

$$SAR = C \left(\frac{\delta T}{\delta t} \right)$$

Where: C is the specific heat capacity, δT is the temperature rise and δt is the exposure duration, or related to the electrical field in the tissue by

$$SAR = \frac{\sigma |E|^2}{\rho}$$

Where: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength.

However for evaluating SAR of low power transmitter, electrical field measurement is typically applied.

4. SAR Measurement System

4.1 The Measurement System

Comosar is a system that is able to determine the SAR distribution inside a phantom of human being according to different standards. The Comosar system consists of the following items:

- Main computer to control all the system
- 6 axis robot
- Data acquisition system
- Miniature E-field probe
- Phone holder
- Head simulating tissue

The following figure shows the system.

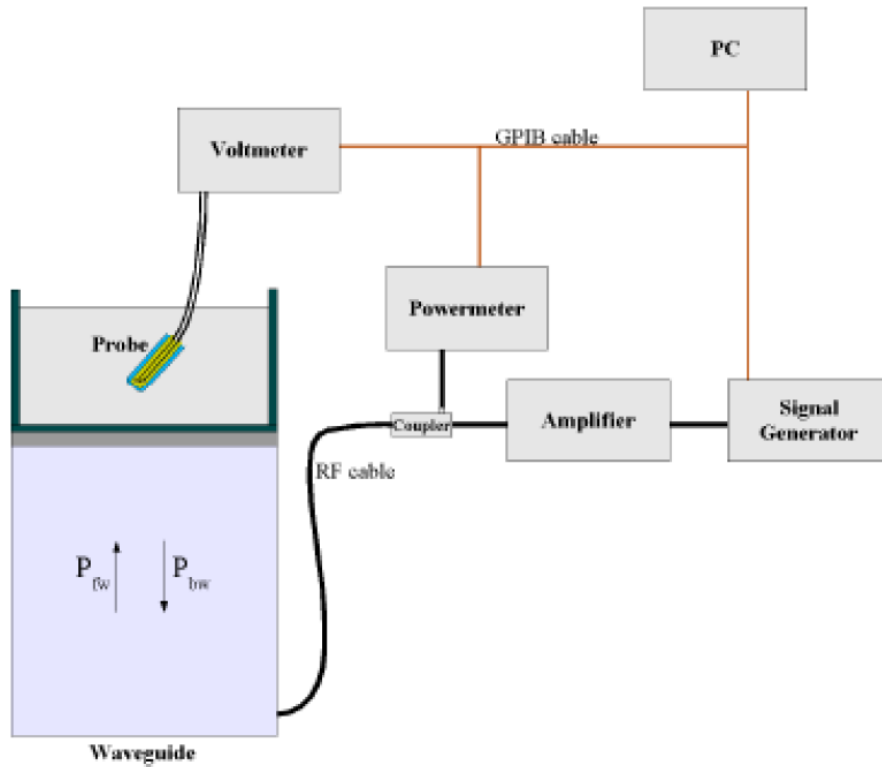


The EUT under test operating at the maximum power level is placed in the phone holder, under the phantom, which is filled with head simulating liquid. The E-Field probe measures the electric field inside the phantom. The OpenSAR software computes the results to give a SAR value in a 1g or 10g mass.

4.2 Probe

For the measurements the Specific Dosimetric E-Field Probe SSE2 0725-EPGO-446, and refer to the calibration report for probe parameters.

Probe calibration is realized, in compliance with IEEE Std 1528™ - 2013 STD, with CALISAR, Antenna proprietary calibration system. The calibration is performed with the IEEE Std 1528™ - 2013 annexes technique using reference guide at the five frequencies.



$$SAR = \frac{4(P_{fw} - P_{bw})}{ab\delta} \cos^2\left(\pi \frac{y}{a}\right) e^{-(2z/\delta)}$$

Where :

P_{fw} = Forward Power

P_{bw} = Backward Power

a and b =Waveguide dimensions

δ = Skin depth

Keithley configuration:

Rate = Medium; Filter = ON; RDGS = 10; Filter type = Moving Average; Range auto after each calibration, a SAR measurement is performed on a validation dipole and compared with a NPL calibrated probe, to verify it. The calibration factors, CF(N), for the 3 sensors corresponding to dipole 1, dipole 2 and dipole 3 are:

$$CF(N) = SAR(N)/V_{lin}(N) \quad (N=1,2,3)$$

The linearised output voltage $V_{lin}(N)$ is obtained from the displayed output voltage $V(N)$ using

$$V_{lin}(N) = V(N) * (1 + V(N)/DCP(N)) \quad (N=1,2,3)$$

where DCP is the diode compression point in mV.

4.3 Probe Calibration Process

Dosimetric Assessment Procedure

Each E-Probe/Probe Amplifier combination has unique calibration parameters. SATIMO Probe calibration procedure is conducted to determine the proper amplifier settings to enter in the probe parameters. The amplifier settings are determined for a given frequency by subjecting the probe to a known E-field density (1 mW/cm²) using an with CALISAR, Antenna proprietary calibration system.

Free Space Assessment Procedure

The free space E-field from amplified probe outputs is determined in a test chamber. This calibration can be performed in a TEM cell if the frequency is below 1 GHz and in a waveguide or other methodologies above 1 GHz for free space. For the free space calibration, the probe is placed in the volumetric center of the cavity and at the proper orientation with the field. The probe is rotated 360 degrees until the three channels show the maximum reading. The power density readings equates to 1mW/cm².

Temperature Assessment Procedure

E-field temperature correlation calibration is performed in a flat phantom filled with the appropriate simulated head tissue. The E-field in the medium correlates with the temperature rise in the dielectric medium. For temperature correlation calibration a RF transparent thermistor-based temperature probe is used in conjunction with the E-field probe.

$$SAR = C \frac{\Delta T}{\Delta t}$$

Where:
 Δt = exposure time (30 seconds),
 C = heat capacity of tissue (brain or muscle),
 ΔT = temperature increase due to RF exposure.

SAR is proportional to $\Delta T/\Delta t$, the initial rate of tissue heating, before thermal diffusion takes place. The electric field in the simulated tissue can be used to estimate SAR by equating the thermally derived SAR to that with the E- field component.

$$SAR = \frac{|E|^2 \cdot \sigma}{\rho}$$

Where:

σ = simulated tissue conductivity,

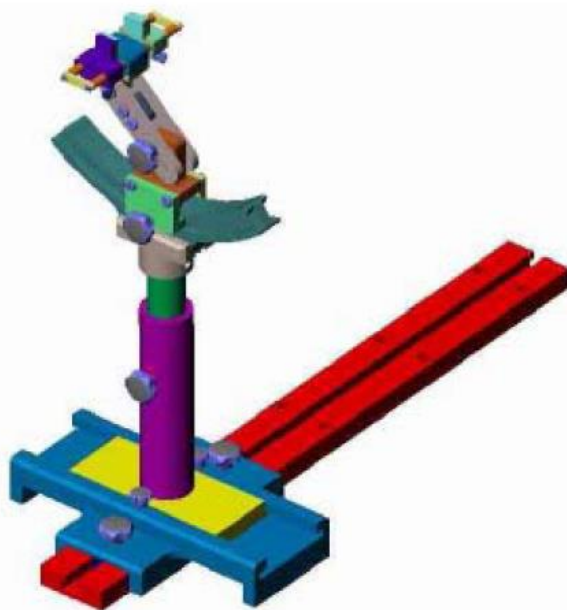
ρ = Tissue density (1.25 g/cm³ for brain tissue)

4.4 Phantom

For the measurements the Specific Anthropomorphic Mannequin (SAM) 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. It enables the dosimetric evaluation of left and right phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.

4.5 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°.



System Material	Permittivity	Loss Tangent
Delrin	3.7	0.005

4.6 Test Equipment List

Fixed asset Number	Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
WTXE1105A1002	E-Field Probe	MVG	SSE2	0725-EPGO-446	2025-02-12	2026-02-11
WTXE1053A1001-002	835MHz Dipole	MVG	SID835	SN 47/12 DIP 0G835-204	2023-08-20	2026-08-19
WTXE1053A1001-005	1900MHz Dipole	MVG	SID1900	SN 47/12 DIP 1G900-207	2023-08-20	2026-08-19
WTXE1053A1001-009	2300MHz Dipole	MVG	SID2300	SN 47/12 DIP 2G300-209	2023-08-20	2026-08-19
WTXE1053A1001-007	2450MHz Dipole	MVG	SID2450	SN 13/15 DIP 2G450-364	2023-08-20	2026-08-19
WTXE1053A1006-002	2600MHz Dipole	MVG	SID2600	SN 28/21 DIP 2G600-590	2024-07-11	2027-07-10
WTXE1035A1009	5 GHz Dipole	MVG	SID5000	SN 02/21 DIP 5G000-543	2024-07-11	2027-07-10
WTXE1053A1001-010	Dielectric Probe	SATIMO	SCLMP	SN 47/12 OCPG49	2025-02-23	2026-02-22
WTXE1075A1003	Power meter	Keithley	3500	1232959	2025-02-23	2026-02-22
WTXE1075A1002	Power meter	Keithley	3500	1162591	2025-02-23	2026-02-22
WTXE1104A1003	EXG Analog Signal Generator	KEYSIGHT	N5173B	MY61252892	2025-02-23	2026-02-22
WTXE1022A1002	GSM Tester	Rohde & Schwarz	CMU200	114403	2025-02-23	2026-02-22
WTXE1041A1002	Communications Tester	Rohde & Schwarz	CMW500	148650	2025-02-23	2026-02-22
WTXE1036A1001	Network Analyzer	Rohde & Schwarz	ZVB 8	101353	2024-10-15	2025-10-14
WTXE1076A1001	Power Divider	HP	11636B	JC-2017-10-002	2025-02-23	2026-02-22
WTXE1103A1001	Attenuator	Pasternack	PE4007-4	/	2025-02-23	2026-02-22
WTXE1103A1002	Attenuator	Pasternack	PE4007-4	/	2025-02-23	2026-02-22
WTXE1103A1003	Attenuator	Pasternack	PE4007-4	/	2025-02-23	2026-02-22

5. Tissue Simulating Liquids

5.1 Composition of Tissue Simulating Liquid

For the measurement of the field distribution inside the SAM phantom with SMTIMO, the phantom must be filled with around 25 liters of homogeneous body tissue simulating liquid. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. Please see the following photos for the liquid height.



Liquid Height for Head/Body SAR

The Composition of Tissue Simulating Liquid

Frequency (MHz)	Water (%)	Salt (%)	Sugar (%)	HEC (%)	Preventol (%)	DGBE (%)
Head/Body						
750	41.1	1.4	57.0	0.2	0.3	0
835	40.3	1.4	57.9	0.2	0.2	0
1700-1900	55.2	0.3	0	0	0	44.5
2450	55.0	0.1	0	0	0	44.9
2600	54.9	0.1	0	0	0	45.0

5.2 Tissue Dielectric Parameters for Head and Body Phantoms

According to FCC KDBs, IEEE Std 1528TM - 2013 standards state that the system validation measurements must be performed using a reference dipole meeting the fore mentioned return loss and mechanical dimension requirements. The validation measurement must be performed against a liquid filled flat phantom, with the phantom constructed as outlined in the fore mentioned standards. Per the standards, the dipole shall be positioned below the bottom of the phantom, with the dipole length centered and parallel to the longest dimension of the flat phantom, with the top surface of the dipole at the described distance from the bottom surface of the phantom.

Target Frequency (MHz)	Head		Body	
	Conductivity (σ)	Permittivity (ϵ_r)	Conductivity (σ)	Permittivity (ϵ_r)
150	0.76	52.3	0.80	61.9
300	0.87	45.3	0.92	58.2
450	0.87	43.5	0.94	56.7
750	0.89	41.9	0.96	55.5
835	0.90	41.5	0.97	55.2
900	0.97	41.5	1.05	55.0
915	0.98	41.5	1.06	55.0
1450	1.20	40.5	1.30	54.0
1610	1.29	40.3	1.40	53.8
1800-2000	1.40	40.0	1.52	53.3
2100	1.49	39.8	1.62	53.2
2300	1.67	39.5	1.81	52.9
2450	1.80	39.2	1.95	52.7
2600	1.96	39.0	2.16	52.5
3000	2.40	38.5	2.73	52.0
5200	4.66	36.0	5.30	49.0
5400	4.86	35.8	5.53	48.7
5600	5.07	35.5	5.77	48.5
5800	5.27	35.3	6.00	48.2

5.3 Tissue Calibration Result

The dielectric parameters of the liquids were verified prior to the SAR evaluation using COMOSAR Dielectric Probe Kit and an Agilent Network Analyzer.

Calibration Result for Dielectric Parameters of Tissue Simulating Liquid

Head Tissue Simulating Liquid									
Freq. MHz	Temp. (°C)	Conductivity			Permittivity			Limit (%)	Date
		Reading (σ)	Target (σ)	Delta (%)	Reading (ϵ_r)	Target (ϵ_r)	Delta (%)		
835	22.2	0.91	0.90	1.11	41.96	41.5	1.11	±5	2025-05-20
1900	22.5	1.41	1.40	0.71	39.11	40.0	-2.23	±5	2025-06-05
2300	22.4	1.71	1.67	2.40	41.03	39.5	3.87	±5	2025-05-22
2450	22.4	1.82	1.80	1.11	38.68	39.2	-1.33	±5	2025-06-12
2600	22.4	1.93	1.96	-1.53	39.84	39.0	2.15	±5	2025-06-06
5200	22.3	4.62	4.66	-0.86	37.15	36.0	3.19	±5	2025-05-28
5800	22.3	5.24	5.27	-0.57	36.21	35.3	2.58	±5	2025-05-28

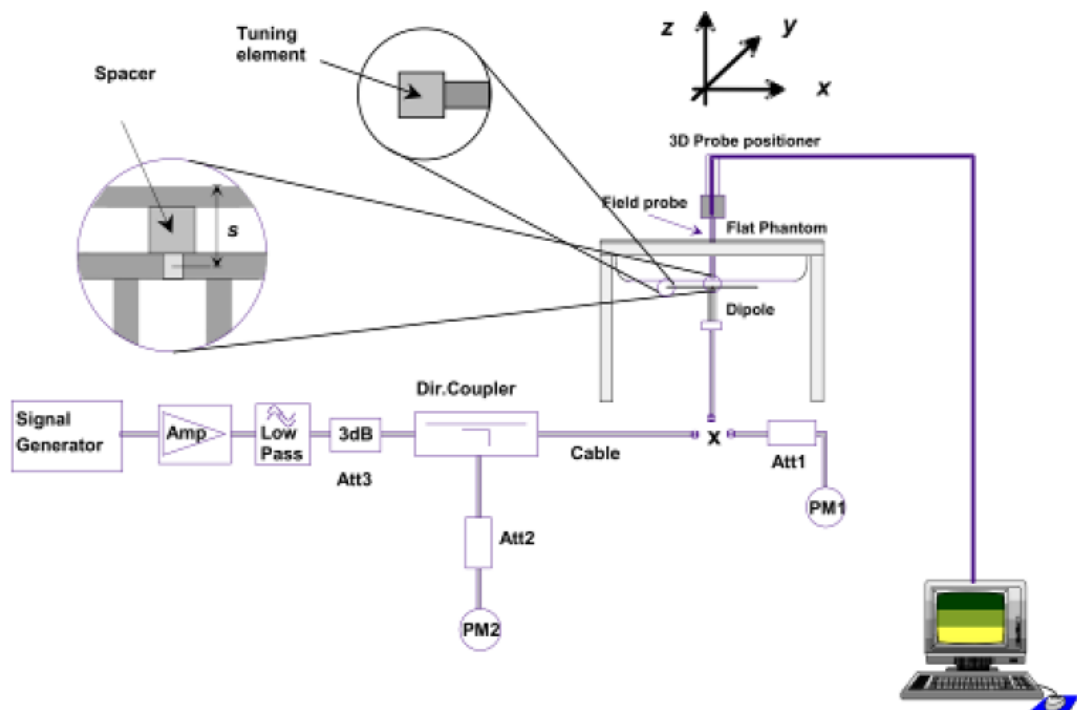
6. SAR Measurement Evaluation

6.1 Purpose of System Performance Check

The system performance check verifies that the system operates within its specifications. System and operator errors can be detected and corrected. It is recommended that the system performance check be performed prior to any usage of the system in order to guarantee reproducible results. The system performance check uses normal SAR measurements in a simplified setup with a well characterized source. This setup was selected to give a high sensitivity to all parameters that might fail or vary over time. The system check does not intend to replace the calibration of the components, but indicates situations where the system uncertainty is exceeded due to drift or failure.

6.2 System Setup

In the simplified setup for system evaluation, the EUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave which comes from a signal generator at frequency 750MHz, 835MHz, 900MHz, 1800MHz, 1900MHz, 2450MHz, 2300MHz and 2600MHz. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom.



System Verification Setup Block Diagram



Setup Photo of Dipole Antenna

The output power on dipole port must be calibrated to 24 dBm(250mW) before dipole is connected.

6.3 Validation Results

Comparing to the original SAR value provided by SATIMO, the validation data should be within its specification of 10 %. Table 6.1 shows the target SAR and measured SAR after normalized to 1W input power. The table below indicates the system performance check can meet the variation criterion.

Frequency	Power	Targeted SAR _{1g}	Measured SAR _{1g}	Normalized SAR _{1g}	Tolerance	Date
MHz	(mw)	(W/kg)	(W/kg)	(W/kg)	(%)	
Head						
835	250	9.65	2.210	8.84	-8.39	2025-05-20
1900	250	39.59	10.223	40.892	3.29	2025-06-05
2300	250	49.27	12.023	48.092	-2.39	2025-05-22
2450	250	53.76	13.747	54.988	2.28	2025-06-12
2600	250	56.81	14.815	59.26	4.31	2025-06-06
5200	250	75.31	18.567	74.268	-1.38	2025-05-28
5800	250	78.05	18.087	72.348	-7.31	2025-05-28

Remark: Referring to IEEE Std 1528™ - 2013, the system check shall be performed at a test frequency that is within ±10% or ±100 MHz of the compliance test mid-band frequency, so the 1750 MHz system verification is made of 1800MHz Dipole.

Targeted and Measurement SAR

Please refer to Annex A for the plots of system performance check.

7. EUT Testing Position

7.1 Body Position

- (a) To position the device parallel to the phantom surface with each side.
- (b) To adjust the device parallel to the flat phantom.
- (c) To adjust the distance between the device surface and the flat phantom to 0mm.

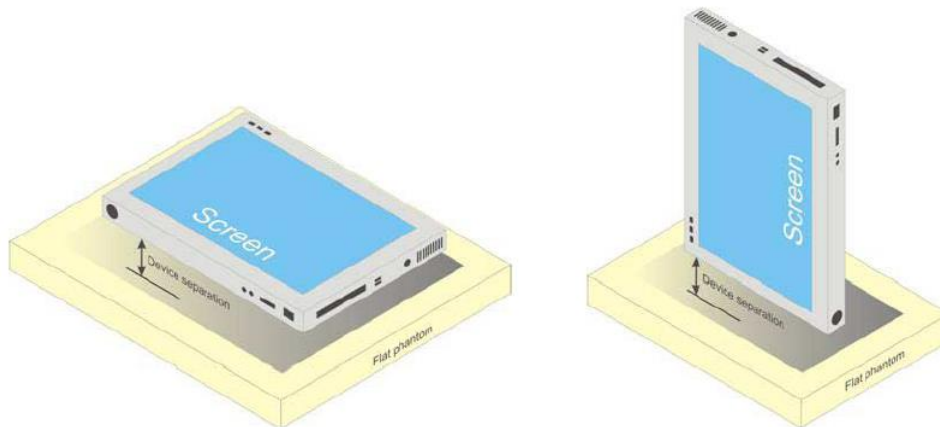
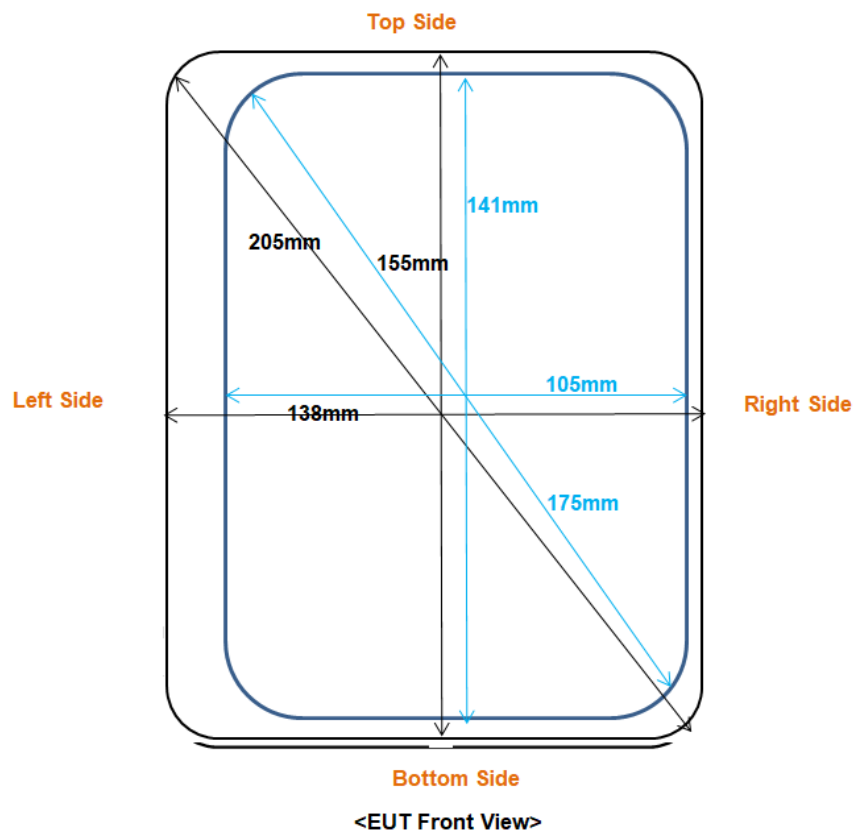
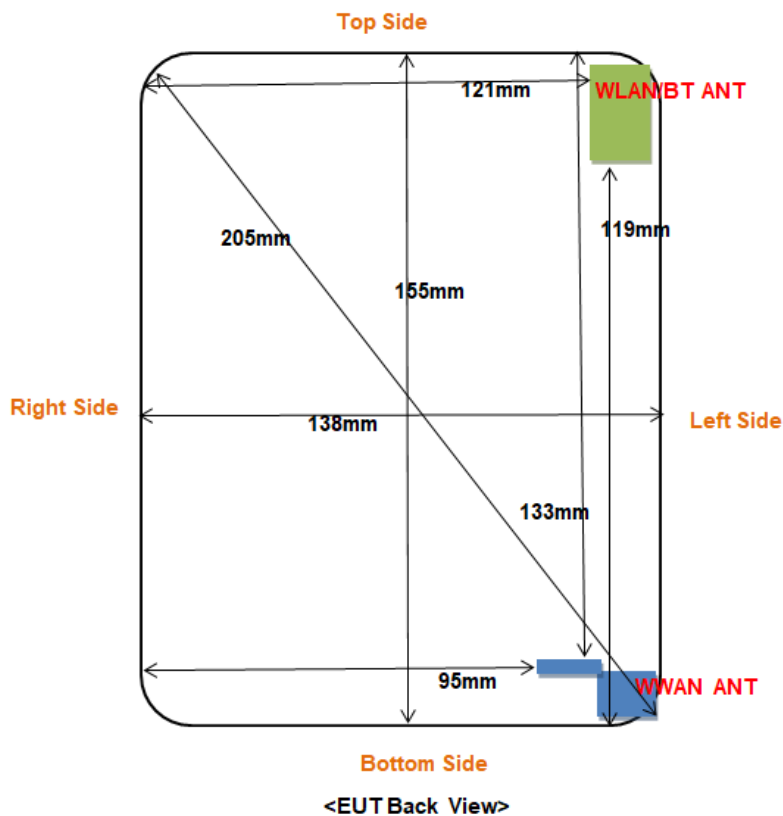


Illustration for Body Position

7.2 EUT Antenna Position





Block Diagram for EUT Antenna Position

Overall EUT Sizes: Long 155mm; width 138mm; diagonal dimension 205mm
Display Sizes: Long 141mm; width 105mm; diagonal dimension 175mm

Distance of EUT antenna-to-edge/surface(mm)						
Antennas	Back side	Front side	Left Edge	Right Edge	Top Edge	Bottom Edge
WWAN	<25	<25	<25	95	133	<25
WLAN/BT	<25	<25	<25	121	<25	119

7.3 EUT Testing Position

Body SAR tests, Test distance: 5mm						
Antennas	Front	Back	Left Side	Right Side	Top Side	Bottom Side
WWAN	Yes	Yes	Yes	No	No	Yes
WLAN/BT	Yes	Yes	Yes	No	Yes	No

Remark:

- Referring to KDB 941225 D07, for tablets with a display diagonal dimension <20 cm, the SAR procedures in KDB Publication 941225 D07 UMPC Mini Tablet v01r02 are required.
- Referring to KDB 941225 D07, KDB 447498 D01 v06 and KDB 248227 D01 v02r02, a composite test separation distance of 5 mm is applied to test UMPC mini-tablet transmitters and to maintain RF exposure conservativeness for the interactive operations associated with this type of devices. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge.

7.4 Positioning for devices that are large relative to phantom surface area

If the is larger than the measurable region of the flat phantom specified in 6.2.4, the following applies.

- The DUT shall be shifted such that the SAR distribution of the DUT can be covered by multiple area scans. When the DUT is shifted, the RF coupling between the DUT and phantom could change, resulting in a different SAR distribution compared to that using a larger phantom. A larger phantom, however, might not be representative of the significant majority of exposure situations involving people (see NOTE in 6.2.4).
- To limit differences in the measured SAR due to coupling variations, two successive scans shall have an overlapping area of at least one third the size of the combined area, as shown in Figure 5.
- In the overlapping area, the SAR distribution shall be similar such that the SAR difference at any point relative to the DUT geometry is less than the expanded uncertainty for repeatability. Otherwise, the DUT shall be shifted by a smaller amount such that the SAR difference is within the uncertainty.

Shifting is not needed if the radiating structures are small compared to the DUT and the phantom and/or the first area scan shows that the SAR distribution is entirely captured within the scanning area. In the situation where shifting was omitted, the rationale shall be clearly documented in the measurement report.

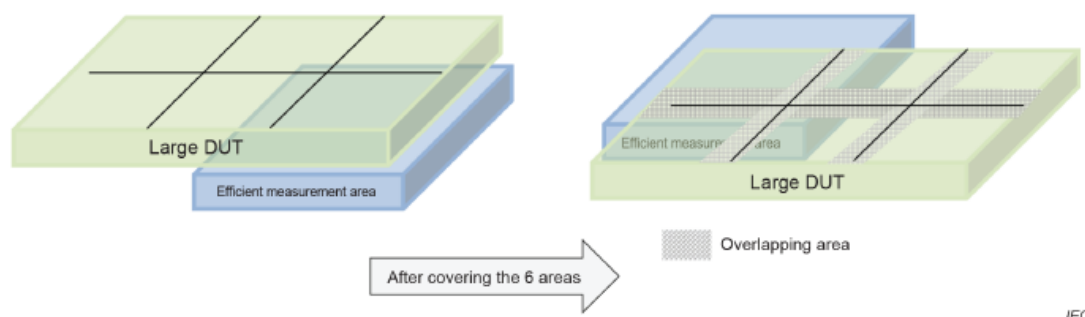
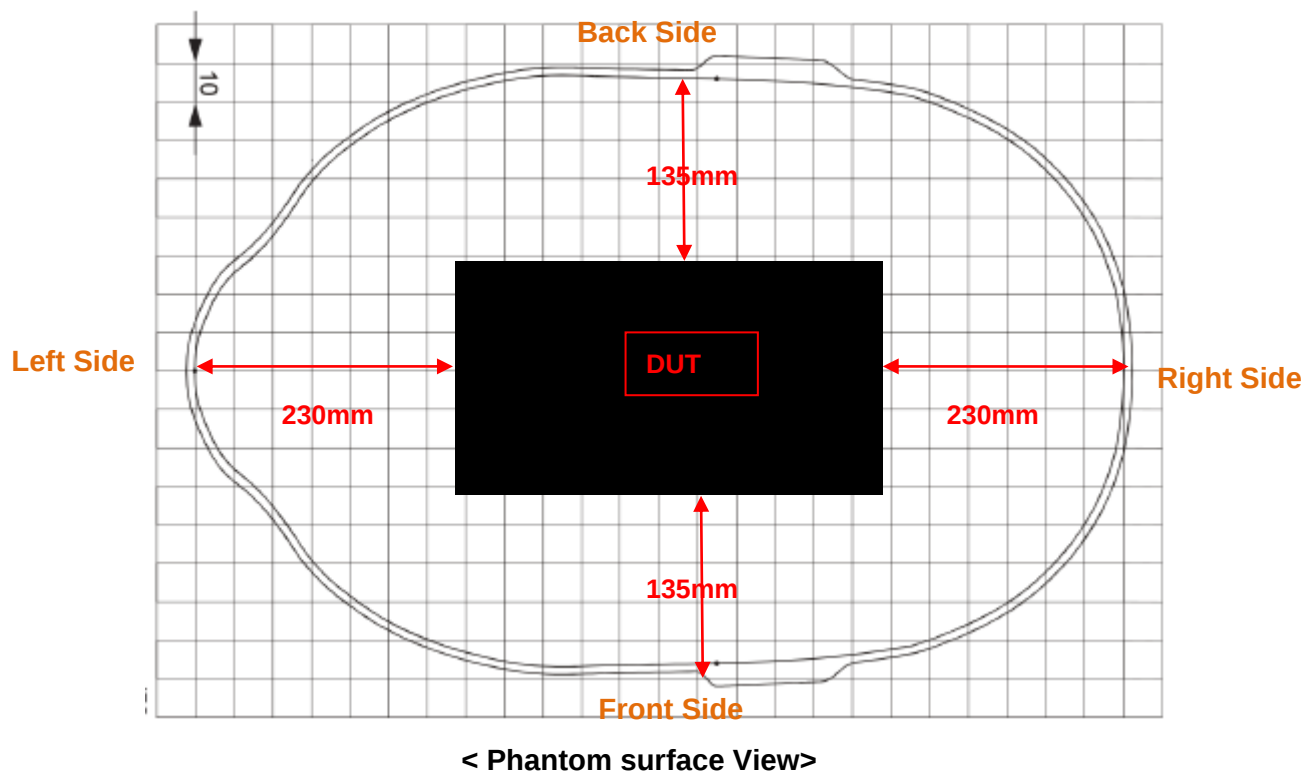


Figure 5 – Measurements performed by shifting a large device over the efficient measurement area of the system including overlapping areas – in this case: six tests performed

7.5 The distance between the EUT and the flat phantom boundary (sidewall)

Distance of EUT and the flat phantom boundary (sidewall)			
Back side	Front side	Left side	Right side
135	135	235	225



Please refer to Annex D for the EUT test setup photos.

8. SAR Measurement Procedures

8.1 Measurement Procedures

The measurement procedures are as follows:

- (a) Use base station simulator (if applicable) or engineering software to transmit RF power continuously (continuous Tx) in the highest power channel.
- (b) Keep EUT to radiate maximum output power or 100% factor (if applicable)
- (c) Measure output power through RF cable and power meter.
- (d) Place the EUT in the positions as Annex D demonstrates.
- (e) Set scan area, grid size and other setting on the SATIMO software.
- (f) Measure SAR results for the highest power channel on each testing position.
- (g) Find out the largest SAR result on these testing positions of each band
- (h) Measure SAR results for other channels in worst SAR testing position if the 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

8.2 Spatial Peak SAR Evaluation

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

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

The entire evaluation of the spatial peak values is performed within the post-processing engine. The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

- (a) Extraction of the measured data (grid and values) from the Zoom Scan
- (b) Calculation of the SAR value at every measurement point based on all stored data
- (c) Generation of a high-resolution mesh within the measured volume
- (d) Interpolation of all measured values from the measurement grid to the high-resolution grid
- (e) Extrapolation of the entire 3D field distribution to the phantom surface over the distance from sensor to surface
- (f) Calculation of the averaged SAR within masses of 1g and 10g

8.3 Area & Zoom Scan Procedures

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan measures 5x5x7 points with step size 8, 8 and 5 mm for 300 MHz to 3 GHz, and 8x8x8 points with step size 4, 4 and 2.5 mm for 3 GHz to 6 GHz. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g.

8.4 Volume Scan Procedures

The volume scan is used for assess overlapping SAR distributions for antennas transmitting in different frequency

bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will

be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing (step-size is 4, 4 and 2.5 mm). When all volume scan were completed, the software can combine and subsequently superpose these measurement data to calculating the multiband SAR.

8.5 SAR Averaged Methods

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 minimize 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 1mm 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 10g and 1 g requires a very fine resolution in the three dimensional scanned data array.

8.6 Power Drift Monitoring

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

9. SAR Test Result

9.1 Conducted RF Output Power

GSM - Burst Average Power (dBm)								
Band	GSM850			Tune-up power (dBm)	PCS1900			Tune-up power (dBm)
Channel	128	190	251		512	661	810	
Frequency (MHz)	824.2	836.6	848.8		1850.2	1880	1909.8	
GSM	33.42	33.73	33.51	34.0	29.61	29.67	29.70	30.0
GPRS (1 slot)	33.44	33.67	33.44	34.0	29.62	29.65	29.69	30.0
GPRS (2 slots)	32.66	32.79	32.55	33.0	28.37	28.50	28.58	29.0
GPRS (3 slots)	30.8	30.88	30.63	31.0	26.18	26.36	26.46	27.0
GPRS (4 slots)	29.77	29.86	29.58	30.0	25.42	25.61	25.72	26.0
EDGE (1 slot)	27.49	27.78	27.42	28.0	28.22	27.45	26.7	19.0
EDGE (2 slots)	26.23	26.65	26.31	27.0	27.19	26.48	25.68	28.0
EDGE (3 slots)	24.2	24.55	24.25	25.0	25.18	24.42	23.54	26.0
EDGE (4 slots)	22.93	23.34	23.10	24.0	24.00	23.23	22.38	25.0

GSM - Source-Based Time-Average Power (dBm)								
Band	GSM850			Tune-up power (dBm)	PCS1900			Tune-up power (dBm)
Channel	128	190	251		512	661	810	
Frequency (MHz)	824.2	836.6	848.8		1850.2	1880	1909.8	
GSM	24.42	24.73	24.51	25.00	20.61	20.67	20.70	21.00
GPRS (1 slot)	24.44	24.67	24.44	25.00	20.62	20.65	20.69	21.00
GPRS (2 slots)	26.66	26.79	26.55	27.00	22.37	22.50	22.58	23.00
GPRS (3 slots)	26.55	26.63	26.38	27.00	21.93	22.11	22.21	23.00
GPRS (4 slots)	26.77	26.86	26.58	27.00	22.42	22.61	22.72	23.00
EDGE (1 slot)	18.49	18.78	18.42	19.00	19.22	18.45	17.70	20.00
EDGE (2 slots)	20.23	20.65	20.31	21.00	21.19	20.48	19.68	22.00
EDGE (3 slots)	19.95	20.30	20.00	21.00	20.93	20.17	19.29	22.00
EDGE (4 slots)	19.93	20.34	20.10	21.00	21.00	20.23	19.38	22.00

Note: The source-based time-averaged power is linearly scaled the maximum burst averaged power based on time slots. The calculated method are shown as below:

Source based time-average power = Burst averaged power - Duty cycle factor in dB

Duty cycle factor = 9 dB for 1 Tx slot, 6 dB for 2 Tx slots, 4.25 dB for 3 Tx slots, 3 dB for 4 Tx slots

Remark:

1. For Body SAR testing, GPRS should be evaluated; therefore the EUT was set in GPRS (4TX slots) for GSM850 and GPRS (4TX slots) for GSM1900 due to its highest source-based time-average power.
2. Per KDB 447498 D01 v06, the maximum output power channel is used for SAR testing and for further SAR

test reduction.

WCDMA - Average Power (dBm)								
Band	WCDMA Band II				WCDMA Band V			
Channel	9262	9400	9538	Tune-up power (dBm)	4132	4182	4233	Tune-up power (dBm)
Frequency (MHz)	1852.4	1880.0	1907.6		826.4	836.4	846.6	
RMC 12.2k	23.69	23.72	23.86	24.0	23.88	23.99	24.00	24.5
HSDPA Subtest-1	22.73	22.79	22.97	24.0	22.88	23.00	23.04	24.5
HSDPA Subtest-2	22.32	22.24	22.39	24.0	22.34	22.44	22.44	24.5
HSDPA Subtest-3	22.28	22.26	22.41	24.0	22.36	22.48	22.47	24.5
HSDPA Subtest-4	22.25	22.23	22.38	24.0	22.33	22.49	22.46	24.5
HSUPA Subtest-1	20.75	20.78	20.90	24.0	20.85	20.94	20.99	24.5
HSUPA Subtest-2	20.75	20.80	20.93	24.0	20.84	20.97	21.00	24.5
HSUPA Subtest-3	21.75	21.80	21.93	24.0	21.85	21.98	22.00	24.5
HSUPA Subtest-4	20.24	20.28	20.39	24.0	20.37	20.44	20.49	24.5
HSUPA Subtest-5	21.77	21.75	21.90	24.0	21.83	21.95	21.97	24.5

Remark:

1. Per KDB 941225 D01 v03, the 12.2kbps RMC mode was selected for SAR testing (the primary mode).
2. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/4$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

LTE Band 2

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	24.10	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	24.25	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	24.08	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	24.22	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	24.28	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	24.22	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	23.15	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	24.30	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	24.44	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	24.32	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	24.25	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	24.31	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	24.30	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	23.24	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	24.39	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	24.68	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	24.46	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	24.29	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	24.39	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	24.28	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	23.55	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	23.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	23.28	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.99	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.99	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	23.13	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	22.99	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	22.14	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.92	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	23.31	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.92	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	23.05	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	23.10	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	23.04	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	22.03	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	23.01	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	23.22	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.98	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	23.01	PASS

Band2	1.4MHz	16QAM	19193	3RB#1	23.12	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	22.95	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	22.31	PASS
Band2	3MHz	QPSK	18615	1RB#0	24.07	PASS
Band2	3MHz	QPSK	18615	1RB#8	24.11	PASS
Band2	3MHz	QPSK	18615	1RB#14	24.09	PASS
Band2	3MHz	QPSK	18615	8RB#0	23.06	PASS
Band2	3MHz	QPSK	18615	8RB#4	23.13	PASS
Band2	3MHz	QPSK	18615	8RB#7	23.17	PASS
Band2	3MHz	QPSK	18615	15RB#0	23.07	PASS
Band2	3MHz	QPSK	18900	1RB#0	24.21	PASS
Band2	3MHz	QPSK	18900	1RB#8	24.20	PASS
Band2	3MHz	QPSK	18900	1RB#14	24.24	PASS
Band2	3MHz	QPSK	18900	8RB#0	23.15	PASS
Band2	3MHz	QPSK	18900	8RB#4	23.22	PASS
Band2	3MHz	QPSK	18900	8RB#7	23.14	PASS
Band2	3MHz	QPSK	18900	15RB#0	23.12	PASS
Band2	3MHz	QPSK	19185	1RB#0	24.26	PASS
Band2	3MHz	QPSK	19185	1RB#8	24.37	PASS
Band2	3MHz	QPSK	19185	1RB#14	24.36	PASS
Band2	3MHz	QPSK	19185	8RB#0	23.35	PASS
Band2	3MHz	QPSK	19185	8RB#4	23.37	PASS
Band2	3MHz	QPSK	19185	8RB#7	23.31	PASS
Band2	3MHz	QPSK	19185	15RB#0	23.25	PASS
Band2	3MHz	16QAM	18615	1RB#0	23.11	PASS
Band2	3MHz	16QAM	18615	1RB#8	23.03	PASS
Band2	3MHz	16QAM	18615	1RB#14	23.15	PASS
Band2	3MHz	16QAM	18615	8RB#0	22.07	PASS
Band2	3MHz	16QAM	18615	8RB#4	22.12	PASS
Band2	3MHz	16QAM	18615	8RB#7	22.12	PASS
Band2	3MHz	16QAM	18615	15RB#0	22.16	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.86	PASS
Band2	3MHz	16QAM	18900	1RB#8	23.13	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.89	PASS
Band2	3MHz	16QAM	18900	8RB#0	22.09	PASS
Band2	3MHz	16QAM	18900	8RB#4	22.06	PASS
Band2	3MHz	16QAM	18900	8RB#7	22.06	PASS
Band2	3MHz	16QAM	18900	15RB#0	22.05	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.89	PASS
Band2	3MHz	16QAM	19185	1RB#8	23.11	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.97	PASS
Band2	3MHz	16QAM	19185	8RB#0	22.23	PASS

Band2	3MHz	16QAM	19185	8RB#4	22.16	PASS
Band2	3MHz	16QAM	19185	8RB#7	22.17	PASS
Band2	3MHz	16QAM	19185	15RB#0	22.12	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.96	PASS
Band2	5MHz	QPSK	18625	1RB#12	24.28	PASS
Band2	5MHz	QPSK	18625	1RB#24	24.04	PASS
Band2	5MHz	QPSK	18625	12RB#0	23.01	PASS
Band2	5MHz	QPSK	18625	12RB#6	23.14	PASS
Band2	5MHz	QPSK	18625	12RB#13	23.08	PASS
Band2	5MHz	QPSK	18625	25RB#0	23.14	PASS
Band2	5MHz	QPSK	18900	1RB#0	24.13	PASS
Band2	5MHz	QPSK	18900	1RB#12	24.33	PASS
Band2	5MHz	QPSK	18900	1RB#24	24.13	PASS
Band2	5MHz	QPSK	18900	12RB#0	23.13	PASS
Band2	5MHz	QPSK	18900	12RB#6	23.17	PASS
Band2	5MHz	QPSK	18900	12RB#13	23.11	PASS
Band2	5MHz	QPSK	18900	25RB#0	23.11	PASS
Band2	5MHz	QPSK	19175	1RB#0	24.19	PASS
Band2	5MHz	QPSK	19175	1RB#12	24.44	PASS
Band2	5MHz	QPSK	19175	1RB#24	24.41	PASS
Band2	5MHz	QPSK	19175	12RB#0	23.26	PASS
Band2	5MHz	QPSK	19175	12RB#6	23.27	PASS
Band2	5MHz	QPSK	19175	12RB#13	23.16	PASS
Band2	5MHz	QPSK	19175	25RB#0	23.18	PASS
Band2	5MHz	16QAM	18625	1RB#0	23.03	PASS
Band2	5MHz	16QAM	18625	1RB#12	23.39	PASS
Band2	5MHz	16QAM	18625	1RB#24	23.07	PASS
Band2	5MHz	16QAM	18625	12RB#0	22.10	PASS
Band2	5MHz	16QAM	18625	12RB#6	22.20	PASS
Band2	5MHz	16QAM	18625	12RB#13	22.21	PASS
Band2	5MHz	16QAM	18625	25RB#0	22.07	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.87	PASS
Band2	5MHz	16QAM	18900	1RB#12	23.30	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.96	PASS
Band2	5MHz	16QAM	18900	12RB#0	22.14	PASS
Band2	5MHz	16QAM	18900	12RB#6	22.13	PASS
Band2	5MHz	16QAM	18900	12RB#13	22.15	PASS
Band2	5MHz	16QAM	18900	25RB#0	22.18	PASS
Band2	5MHz	16QAM	19175	1RB#0	23.03	PASS
Band2	5MHz	16QAM	19175	1RB#12	23.27	PASS
Band2	5MHz	16QAM	19175	1RB#24	23.09	PASS
Band2	5MHz	16QAM	19175	12RB#0	22.27	PASS

Band2	5MHz	16QAM	19175	12RB#6	22.24	PASS
Band2	5MHz	16QAM	19175	12RB#13	22.05	PASS
Band2	5MHz	16QAM	19175	25RB#0	22.19	PASS
Band2	10MHz	QPSK	18650	1RB#0	24.07	PASS
Band2	10MHz	QPSK	18650	1RB#24	24.35	PASS
Band2	10MHz	QPSK	18650	1RB#49	24.07	PASS
Band2	10MHz	QPSK	18650	25RB#0	23.15	PASS
Band2	10MHz	QPSK	18650	25RB#12	23.19	PASS
Band2	10MHz	QPSK	18650	25RB#25	23.25	PASS
Band2	10MHz	QPSK	18650	50RB#0	23.17	PASS
Band2	10MHz	QPSK	18900	1RB#0	24.27	PASS
Band2	10MHz	QPSK	18900	1RB#24	24.44	PASS
Band2	10MHz	QPSK	18900	1RB#49	24.31	PASS
Band2	10MHz	QPSK	18900	25RB#0	23.26	PASS
Band2	10MHz	QPSK	18900	25RB#12	23.16	PASS
Band2	10MHz	QPSK	18900	25RB#25	23.23	PASS
Band2	10MHz	QPSK	18900	50RB#0	23.18	PASS
Band2	10MHz	QPSK	19150	1RB#0	24.20	PASS
Band2	10MHz	QPSK	19150	1RB#24	24.44	PASS
Band2	10MHz	QPSK	19150	1RB#49	24.42	PASS
Band2	10MHz	QPSK	19150	25RB#0	23.33	PASS
Band2	10MHz	QPSK	19150	25RB#12	23.24	PASS
Band2	10MHz	QPSK	19150	25RB#25	23.15	PASS
Band2	10MHz	QPSK	19150	50RB#0	23.20	PASS
Band2	10MHz	16QAM	18650	1RB#0	23.09	PASS
Band2	10MHz	16QAM	18650	1RB#24	23.26	PASS
Band2	10MHz	16QAM	18650	1RB#49	23.11	PASS
Band2	10MHz	16QAM	18650	25RB#0	22.16	PASS
Band2	10MHz	16QAM	18650	25RB#12	22.19	PASS
Band2	10MHz	16QAM	18650	25RB#25	22.26	PASS
Band2	10MHz	16QAM	18650	50RB#0	22.22	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.89	PASS
Band2	10MHz	16QAM	18900	1RB#24	23.30	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.93	PASS
Band2	10MHz	16QAM	18900	25RB#0	22.26	PASS
Band2	10MHz	16QAM	18900	25RB#12	22.22	PASS
Band2	10MHz	16QAM	18900	25RB#25	22.30	PASS
Band2	10MHz	16QAM	18900	50RB#0	22.22	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.96	PASS
Band2	10MHz	16QAM	19150	1RB#24	23.27	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.99	PASS
Band2	10MHz	16QAM	19150	25RB#0	22.38	PASS

Band2	10MHz	16QAM	19150	25RB#12	22.31	PASS
Band2	10MHz	16QAM	19150	25RB#25	22.18	PASS
Band2	10MHz	16QAM	19150	50RB#0	22.28	PASS
Band2	15MHz	QPSK	18675	1RB#0	24.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	24.12	PASS
Band2	15MHz	QPSK	18675	1RB#74	24.04	PASS
Band2	15MHz	QPSK	18675	38RB#0	23.19	PASS
Band2	15MHz	QPSK	18675	38RB#18	23.18	PASS
Band2	15MHz	QPSK	18675	38RB#37	23.19	PASS
Band2	15MHz	QPSK	18675	75RB#0	23.18	PASS
Band2	15MHz	QPSK	18900	1RB#0	24.09	PASS
Band2	15MHz	QPSK	18900	1RB#38	24.39	PASS
Band2	15MHz	QPSK	18900	1RB#74	24.17	PASS
Band2	15MHz	QPSK	18900	38RB#0	23.36	PASS
Band2	15MHz	QPSK	18900	38RB#18	23.38	PASS
Band2	15MHz	QPSK	18900	38RB#37	23.36	PASS
Band2	15MHz	QPSK	18900	75RB#0	23.35	PASS
Band2	15MHz	QPSK	19125	1RB#0	24.23	PASS
Band2	15MHz	QPSK	19125	1RB#38	24.32	PASS
Band2	15MHz	QPSK	19125	1RB#74	24.37	PASS
Band2	15MHz	QPSK	19125	38RB#0	23.31	PASS
Band2	15MHz	QPSK	19125	38RB#18	23.36	PASS
Band2	15MHz	QPSK	19125	38RB#37	23.38	PASS
Band2	15MHz	QPSK	19125	75RB#0	23.38	PASS
Band2	15MHz	16QAM	18675	1RB#0	23.03	PASS
Band2	15MHz	16QAM	18675	1RB#38	23.11	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.99	PASS
Band2	15MHz	16QAM	18675	38RB#0	23.23	PASS
Band2	15MHz	16QAM	18675	38RB#18	22.15	PASS
Band2	15MHz	16QAM	18675	38RB#37	23.20	PASS
Band2	15MHz	16QAM	18675	75RB#0	22.15	PASS
Band2	15MHz	16QAM	18900	1RB#0	23.04	PASS
Band2	15MHz	16QAM	18900	1RB#38	23.11	PASS
Band2	15MHz	16QAM	18900	1RB#74	23.20	PASS
Band2	15MHz	16QAM	18900	38RB#0	23.40	PASS
Band2	15MHz	16QAM	18900	38RB#18	22.25	PASS
Band2	15MHz	16QAM	18900	38RB#37	23.36	PASS
Band2	15MHz	16QAM	18900	75RB#0	22.30	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.94	PASS
Band2	15MHz	16QAM	19125	1RB#38	23.20	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.98	PASS
Band2	15MHz	16QAM	19125	38RB#0	23.34	PASS

Band2	15MHz	16QAM	19125	38RB#18	22.31	PASS
Band2	15MHz	16QAM	19125	38RB#37	23.38	PASS
Band2	15MHz	16QAM	19125	75RB#0	22.30	PASS
Band2	20MHz	QPSK	18700	1RB#0	24.02	PASS
Band2	20MHz	QPSK	18700	1RB#49	24.25	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.97	PASS
Band2	20MHz	QPSK	18700	50RB#0	22.99	PASS
Band2	20MHz	QPSK	18700	50RB#25	23.15	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.96	PASS
Band2	20MHz	QPSK	18700	100RB#0	23.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	24.10	PASS
Band2	20MHz	QPSK	18900	1RB#49	24.35	PASS
Band2	20MHz	QPSK	18900	1RB#99	24.20	PASS
Band2	20MHz	QPSK	18900	50RB#0	23.23	PASS
Band2	20MHz	QPSK	18900	50RB#25	23.17	PASS
Band2	20MHz	QPSK	18900	50RB#50	23.22	PASS
Band2	20MHz	QPSK	18900	100RB#0	23.22	PASS
Band2	20MHz	QPSK	19100	1RB#0	24.27	PASS
Band2	20MHz	QPSK	19100	1RB#49	24.56	PASS
Band2	20MHz	QPSK	19100	1RB#99	24.45	PASS
Band2	20MHz	QPSK	19100	50RB#0	23.21	PASS
Band2	20MHz	QPSK	19100	50RB#25	23.32	PASS
Band2	20MHz	QPSK	19100	50RB#50	23.11	PASS
Band2	20MHz	QPSK	19100	100RB#0	23.17	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.80	PASS
Band2	20MHz	16QAM	18700	1RB#49	23.14	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.80	PASS
Band2	20MHz	16QAM	18700	50RB#0	22.09	PASS
Band2	20MHz	16QAM	18700	50RB#25	22.15	PASS
Band2	20MHz	16QAM	18700	50RB#50	22.02	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.97	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.89	PASS
Band2	20MHz	16QAM	18900	1RB#49	23.26	PASS
Band2	20MHz	16QAM	18900	1RB#99	23.04	PASS
Band2	20MHz	16QAM	18900	50RB#0	22.20	PASS
Band2	20MHz	16QAM	18900	50RB#25	22.18	PASS
Band2	20MHz	16QAM	18900	50RB#50	22.29	PASS
Band2	20MHz	16QAM	18900	100RB#0	22.17	PASS
Band2	20MHz	16QAM	19100	1RB#0	23.31	PASS
Band2	20MHz	16QAM	19100	1RB#49	23.56	PASS
Band2	20MHz	16QAM	19100	1RB#99	23.27	PASS
Band2	20MHz	16QAM	19100	50RB#0	22.33	PASS

Band2	20MHz	16QAM	19100	50RB#25	22.37	PASS
Band2	20MHz	16QAM	19100	50RB#50	22.17	PASS
Band2	20MHz	16QAM	19100	100RB#0	22.23	PASS

LTE Band 5

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.37	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.56	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.40	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	24.52	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	24.43	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	24.48	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.47	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.40	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.58	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.39	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	24.50	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	24.55	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	24.51	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.56	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.40	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.59	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.47	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	24.46	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	24.52	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	24.43	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.47	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.25	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.77	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.30	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.34	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.44	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	23.32	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.32	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.20	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.51	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.20	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.27	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.44	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.30	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.51	PASS

Band5	1.4MHz	16QAM	20643	1RB#0	23.23	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.50	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.17	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	23.24	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	23.39	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	23.19	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.51	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.40	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.46	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.44	PASS
Band5	3MHz	QPSK	20415	8RB#0	23.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.54	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.52	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.46	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.50	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.49	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.61	PASS
Band5	3MHz	QPSK	20525	8RB#0	23.54	PASS
Band5	3MHz	QPSK	20525	8RB#4	23.61	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.55	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.51	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.51	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.46	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.50	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.52	PASS
Band5	3MHz	QPSK	20635	8RB#4	23.49	PASS
Band5	3MHz	QPSK	20635	8RB#7	23.50	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.54	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.43	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.54	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.53	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.55	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.49	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.54	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.39	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.63	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.39	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.52	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.52	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.50	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.45	PASS

Band5	3MHz	16QAM	20635	1RB#0	23.25	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.36	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.23	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.54	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.43	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.54	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.32	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.60	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.38	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.48	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.54	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.59	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.57	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.46	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.68	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.51	PASS
Band5	5MHz	QPSK	20525	12RB#0	23.53	PASS
Band5	5MHz	QPSK	20525	12RB#6	23.61	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.56	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.51	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.79	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.36	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.58	PASS
Band5	5MHz	QPSK	20625	12RB#6	23.59	PASS
Band5	5MHz	QPSK	20625	12RB#13	23.49	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.56	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.32	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.86	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.33	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.52	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.56	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.57	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.62	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.42	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.43	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.46	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.56	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.57	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.46	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.51	PASS

Band5	5MHz	16QAM	20625	1RB#0	23.55	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.83	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.39	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.65	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.72	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.61	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.63	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.40	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.55	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.37	PASS
Band5	10MHz	QPSK	20450	25RB#0	23.42	PASS
Band5	10MHz	QPSK	20450	25RB#12	23.50	PASS
Band5	10MHz	QPSK	20450	25RB#25	23.52	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.52	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.36	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.71	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.50	PASS
Band5	10MHz	QPSK	20525	25RB#0	23.49	PASS
Band5	10MHz	QPSK	20525	25RB#12	23.54	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.50	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.51	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.53	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.70	PASS
Band5	10MHz	QPSK	20600	1RB#49	24.51	PASS
Band5	10MHz	QPSK	20600	25RB#0	23.58	PASS
Band5	10MHz	QPSK	20600	25RB#12	23.58	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.59	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.58	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.22	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.58	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.22	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.48	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.51	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.59	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.53	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.58	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.56	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.46	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.53	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.51	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.48	PASS

Band5	10MHz	16QAM	20600	1RB#0	23.35	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.73	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.23	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.71	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.65	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.66	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.70	PASS

LTE Band 7

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.46	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.68	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.46	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.47	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.57	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.55	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.50	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.40	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.92	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.32	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.56	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.53	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.43	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.52	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.30	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.66	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.32	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.40	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.47	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.35	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.39	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.29	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.77	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.36	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.41	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.49	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.45	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.49	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.43	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.76	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.42	PASS

Band7	5MHz	16QAM	21100	12RB#0	21.48	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.55	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.46	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.49	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.22	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.74	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.23	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.37	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.42	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.36	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.44	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.49	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.76	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.44	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.49	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.51	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.54	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.53	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.50	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.63	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.50	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.60	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.50	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.47	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.54	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.30	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.52	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.32	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.44	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.40	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.38	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.37	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.45	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.55	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.46	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.43	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.49	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.52	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.49	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.23	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.66	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.26	PASS

Band7	10MHz	16QAM	21100	25RB#0	21.62	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.52	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.43	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.47	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.09	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.48	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.10	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.46	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.39	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.36	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.35	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.40	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.52	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.37	PASS
Band7	15MHz	QPSK	20825	38RB#0	22.52	PASS
Band7	15MHz	QPSK	20825	38RB#18	22.57	PASS
Band7	15MHz	QPSK	20825	38RB#37	22.53	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.58	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.38	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.58	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.25	PASS
Band7	15MHz	QPSK	21100	38RB#0	22.50	PASS
Band7	15MHz	QPSK	21100	38RB#18	22.55	PASS
Band7	15MHz	QPSK	21100	38RB#37	22.51	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.57	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.35	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.37	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.33	PASS
Band7	15MHz	QPSK	21375	38RB#0	22.38	PASS
Band7	15MHz	QPSK	21375	38RB#18	22.38	PASS
Band7	15MHz	QPSK	21375	38RB#37	22.39	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.37	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.40	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.39	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.38	PASS
Band7	15MHz	16QAM	20825	38RB#0	22.57	PASS
Band7	15MHz	16QAM	20825	38RB#18	21.46	PASS
Band7	15MHz	16QAM	20825	38RB#37	22.54	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.51	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.48	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.45	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.39	PASS

Band7	15MHz	16QAM	21100	38RB#0	22.50	PASS
Band7	15MHz	16QAM	21100	38RB#18	21.41	PASS
Band7	15MHz	16QAM	21100	38RB#37	22.55	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.49	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.06	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.33	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.14	PASS
Band7	15MHz	16QAM	21375	38RB#0	22.38	PASS
Band7	15MHz	16QAM	21375	38RB#18	21.30	PASS
Band7	15MHz	16QAM	21375	38RB#37	22.38	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.34	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.34	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.59	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.30	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.36	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.46	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.47	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.46	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.39	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.51	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.34	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.52	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.50	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.30	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.47	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.26	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.46	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.28	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.25	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.39	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.36	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.30	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.17	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.44	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.13	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.43	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.42	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.52	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.42	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.22	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.56	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.21	PASS

Band7	20MHz	16QAM	21100	50RB#0	21.57	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.44	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.38	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.47	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.34	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.62	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.33	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.42	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.46	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.34	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.34	PASS

LTE Band 38

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.90	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.30	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.89	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.01	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.11	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.02	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.04	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.91	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.29	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.88	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.95	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.01	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.95	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.97	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.69	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.08	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.70	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.81	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.91	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.79	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.86	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.33	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.75	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.33	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.05	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.15	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.05	PASS

Band38	5MHz	16QAM	37775	25RB#0	21.15	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.19	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.62	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.16	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.93	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.02	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.91	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.01	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.09	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.59	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.13	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.81	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.93	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.81	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.91	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.04	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.21	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.06	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.13	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.15	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.18	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.17	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.03	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.13	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.99	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.08	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.03	PASS
Band38	10MHz	QPSK	38000	25RB#25	22.04	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.05	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.87	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.96	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.79	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.89	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.88	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.82	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.89	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.37	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.40	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.32	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.24	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.22	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.29	PASS

Band38	10MHz	16QAM	37800	50RB#0	21.29	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.24	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.30	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.10	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.18	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.03	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.15	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.09	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.53	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.59	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.50	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.87	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.88	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.84	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.90	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.94	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.03	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.98	PASS
Band38	15MHz	QPSK	37825	38RB#0	22.01	PASS
Band38	15MHz	QPSK	37825	38RB#18	21.99	PASS
Band38	15MHz	QPSK	37825	38RB#37	22.01	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.02	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.93	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.04	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.88	PASS
Band38	15MHz	QPSK	38000	38RB#0	22.02	PASS
Band38	15MHz	QPSK	38000	38RB#18	22.05	PASS
Band38	15MHz	QPSK	38000	38RB#37	22.01	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.04	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.92	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.83	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.73	PASS
Band38	15MHz	QPSK	38175	38RB#0	21.83	PASS
Band38	15MHz	QPSK	38175	38RB#18	21.85	PASS
Band38	15MHz	QPSK	38175	38RB#37	21.81	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.81	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.95	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.97	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.92	PASS
Band38	15MHz	16QAM	37825	38RB#0	22.02	PASS
Band38	15MHz	16QAM	37825	38RB#18	21.11	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.99	PASS

Band38	15MHz	16QAM	37825	75RB#0	21.05	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.16	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.09	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.03	PASS
Band38	15MHz	16QAM	38000	38RB#0	22.05	PASS
Band38	15MHz	16QAM	38000	38RB#18	21.04	PASS
Band38	15MHz	16QAM	38000	38RB#37	22.04	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.65	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.68	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.62	PASS
Band38	15MHz	16QAM	38175	38RB#0	21.82	PASS
Band38	15MHz	16QAM	38175	38RB#18	20.79	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.82	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.83	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.89	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.24	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.88	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.08	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.04	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.99	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.89	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.19	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.83	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.92	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.99	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.88	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.88	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.73	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.02	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.62	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.88	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.87	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.73	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.79	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.95	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.29	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.92	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.09	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.21	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.15	PASS

Band38	20MHz	16QAM	37850	100RB#0	21.08	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.93	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.17	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.78	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.97	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.09	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.95	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.95	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.30	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.96	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.24	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.82	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.87	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.81	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.87	PASS

LTE Band 40(2305-2315MHz)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
40(2305-2315)	5MHz	QPSK	38725	1RB#0	22.76	PASS
40(2305-2315)	5MHz	QPSK	38725	1RB#12	23.17	PASS
40(2305-2315)	5MHz	QPSK	38725	1RB#24	22.76	PASS
40(2305-2315)	5MHz	QPSK	38725	12RB#0	21.78	PASS
40(2305-2315)	5MHz	QPSK	38725	12RB#6	21.87	PASS
40(2305-2315)	5MHz	QPSK	38725	12RB#13	21.80	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	21.80	PASS
40(2305-2315)	5MHz	QPSK	38750	1RB#0	22.74	PASS
40(2305-2315)	5MHz	QPSK	38750	1RB#12	23.11	PASS
40(2305-2315)	5MHz	QPSK	38750	1RB#24	22.76	PASS
40(2305-2315)	5MHz	QPSK	38750	12RB#0	21.80	PASS
40(2305-2315)	5MHz	QPSK	38750	12RB#6	21.90	PASS
40(2305-2315)	5MHz	QPSK	38750	12RB#13	21.78	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	21.78	PASS
40(2305-2315)	5MHz	QPSK	38775	1RB#0	22.87	PASS
40(2305-2315)	5MHz	QPSK	38775	1RB#12	23.22	PASS
40(2305-2315)	5MHz	QPSK	38775	1RB#24	22.84	PASS
40(2305-2315)	5MHz	QPSK	38775	12RB#0	21.80	PASS
40(2305-2315)	5MHz	QPSK	38775	12RB#6	21.93	PASS
40(2305-2315)	5MHz	QPSK	38775	12RB#13	21.83	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	21.81	PASS
40(2305-2315)	5MHz	16QAM	38725	1RB#0	22.10	PASS
40(2305-2315)	5MHz	16QAM	38725	1RB#12	22.48	PASS

40(2305-2315)	5MHz	16QAM	38725	1RB#24	22.07	PASS
40(2305-2315)	5MHz	16QAM	38725	12RB#0	20.71	PASS
40(2305-2315)	5MHz	16QAM	38725	12RB#6	20.78	PASS
40(2305-2315)	5MHz	16QAM	38725	12RB#13	20.75	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	20.75	PASS
40(2305-2315)	5MHz	16QAM	38750	1RB#0	21.85	PASS
40(2305-2315)	5MHz	16QAM	38750	1RB#12	22.17	PASS
40(2305-2315)	5MHz	16QAM	38750	1RB#24	21.83	PASS
40(2305-2315)	5MHz	16QAM	38750	12RB#0	20.75	PASS
40(2305-2315)	5MHz	16QAM	38750	12RB#6	20.78	PASS
40(2305-2315)	5MHz	16QAM	38750	12RB#13	20.81	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	20.78	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#0	21.86	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#12	22.18	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#24	21.79	PASS
40(2305-2315)	5MHz	16QAM	38775	12RB#0	20.70	PASS
40(2305-2315)	5MHz	16QAM	38775	12RB#6	20.79	PASS
40(2305-2315)	5MHz	16QAM	38775	12RB#13	20.74	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	20.73	PASS
40(2305-2315)	10MHz	QPSK	38750	1RB#0	22.84	PASS
40(2305-2315)	10MHz	QPSK	38750	1RB#24	23.03	PASS
40(2305-2315)	10MHz	QPSK	38750	1RB#49	22.90	PASS
40(2305-2315)	10MHz	QPSK	38750	25RB#0	21.84	PASS
40(2305-2315)	10MHz	QPSK	38750	25RB#12	21.86	PASS
40(2305-2315)	10MHz	QPSK	38750	25RB#25	21.84	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	21.89	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#0	21.52	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#24	21.61	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#49	21.54	PASS
40(2305-2315)	10MHz	16QAM	38750	25RB#0	20.80	PASS
40(2305-2315)	10MHz	16QAM	38750	25RB#12	20.82	PASS
40(2305-2315)	10MHz	16QAM	38750	25RB#25	20.87	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	20.82	PASS

LTE Band 41(2555-2655MHz)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
41(2555-2655)	5MHz	QPSK	40265	1RB#0	23.09	PASS
41(2555-2655)	5MHz	QPSK	40265	1RB#12	23.36	PASS
41(2555-2655)	5MHz	QPSK	40265	1RB#24	23.01	PASS
41(2555-2655)	5MHz	QPSK	40265	12RB#0	22.07	PASS
41(2555-2655)	5MHz	QPSK	40265	12RB#6	22.11	PASS

41(2555-2655)	5MHz	QPSK	40265	12RB#13	22.03	PASS
41(2555-2655)	5MHz	QPSK	40265	25RB#0	22.04	PASS
41(2555-2655)	5MHz	QPSK	40690	1RB#0	22.86	PASS
41(2555-2655)	5MHz	QPSK	40690	1RB#12	23.21	PASS
41(2555-2655)	5MHz	QPSK	40690	1RB#24	22.80	PASS
41(2555-2655)	5MHz	QPSK	40690	12RB#0	21.89	PASS
41(2555-2655)	5MHz	QPSK	40690	12RB#6	21.98	PASS
41(2555-2655)	5MHz	QPSK	40690	12RB#13	21.88	PASS
41(2555-2655)	5MHz	QPSK	40690	25RB#0	21.89	PASS
41(2555-2655)	5MHz	QPSK	41215	1RB#0	22.77	PASS
41(2555-2655)	5MHz	QPSK	41215	1RB#12	23.12	PASS
41(2555-2655)	5MHz	QPSK	41215	1RB#24	22.78	PASS
41(2555-2655)	5MHz	QPSK	41215	12RB#0	21.85	PASS
41(2555-2655)	5MHz	QPSK	41215	12RB#6	21.90	PASS
41(2555-2655)	5MHz	QPSK	41215	12RB#13	21.85	PASS
41(2555-2655)	5MHz	QPSK	41215	25RB#0	21.88	PASS
41(2555-2655)	5MHz	16QAM	40265	1RB#0	22.06	PASS
41(2555-2655)	5MHz	16QAM	40265	1RB#12	22.35	PASS
41(2555-2655)	5MHz	16QAM	40265	1RB#24	22.00	PASS
41(2555-2655)	5MHz	16QAM	40265	12RB#0	21.01	PASS
41(2555-2655)	5MHz	16QAM	40265	12RB#6	21.04	PASS
41(2555-2655)	5MHz	16QAM	40265	12RB#13	21.00	PASS
41(2555-2655)	5MHz	16QAM	40265	25RB#0	21.02	PASS
41(2555-2655)	5MHz	16QAM	40690	1RB#0	22.10	PASS
41(2555-2655)	5MHz	16QAM	40690	1RB#12	22.47	PASS
41(2555-2655)	5MHz	16QAM	40690	1RB#24	22.09	PASS
41(2555-2655)	5MHz	16QAM	40690	12RB#0	20.83	PASS
41(2555-2655)	5MHz	16QAM	40690	12RB#6	20.90	PASS
41(2555-2655)	5MHz	16QAM	40690	12RB#13	20.82	PASS
41(2555-2655)	5MHz	16QAM	40690	25RB#0	20.88	PASS
41(2555-2655)	5MHz	16QAM	41215	1RB#0	22.04	PASS
41(2555-2655)	5MHz	16QAM	41215	1RB#12	22.44	PASS
41(2555-2655)	5MHz	16QAM	41215	1RB#24	22.10	PASS
41(2555-2655)	5MHz	16QAM	41215	12RB#0	20.80	PASS
41(2555-2655)	5MHz	16QAM	41215	12RB#6	20.86	PASS
41(2555-2655)	5MHz	16QAM	41215	12RB#13	20.80	PASS
41(2555-2655)	5MHz	16QAM	41215	25RB#0	20.85	PASS
41(2555-2655)	10MHz	QPSK	40290	1RB#0	23.13	PASS
41(2555-2655)	10MHz	QPSK	40290	1RB#24	23.21	PASS
41(2555-2655)	10MHz	QPSK	40290	1RB#49	22.98	PASS
41(2555-2655)	10MHz	QPSK	40290	25RB#0	22.11	PASS
41(2555-2655)	10MHz	QPSK	40290	25RB#12	22.07	PASS

41(2555-2655)	10MHz	QPSK	40290	25RB#25	22.03	PASS
41(2555-2655)	10MHz	QPSK	40290	50RB#0	22.04	PASS
41(2555-2655)	10MHz	QPSK	40690	1RB#0	22.95	PASS
41(2555-2655)	10MHz	QPSK	40690	1RB#24	23.12	PASS
41(2555-2655)	10MHz	QPSK	40690	1RB#49	22.95	PASS
41(2555-2655)	10MHz	QPSK	40690	25RB#0	21.89	PASS
41(2555-2655)	10MHz	QPSK	40690	25RB#12	21.90	PASS
41(2555-2655)	10MHz	QPSK	40690	25RB#25	21.87	PASS
41(2555-2655)	10MHz	QPSK	40690	50RB#0	21.88	PASS
41(2555-2655)	10MHz	QPSK	41190	1RB#0	22.87	PASS
41(2555-2655)	10MHz	QPSK	41190	1RB#24	23.05	PASS
41(2555-2655)	10MHz	QPSK	41190	1RB#49	22.91	PASS
41(2555-2655)	10MHz	QPSK	41190	25RB#0	21.91	PASS
41(2555-2655)	10MHz	QPSK	41190	25RB#12	21.86	PASS
41(2555-2655)	10MHz	QPSK	41190	25RB#25	21.86	PASS
41(2555-2655)	10MHz	QPSK	41190	50RB#0	21.85	PASS
41(2555-2655)	10MHz	16QAM	40290	1RB#0	22.27	PASS
41(2555-2655)	10MHz	16QAM	40290	1RB#24	22.32	PASS
41(2555-2655)	10MHz	16QAM	40290	1RB#49	22.23	PASS
41(2555-2655)	10MHz	16QAM	40290	25RB#0	21.19	PASS
41(2555-2655)	10MHz	16QAM	40290	25RB#12	21.10	PASS
41(2555-2655)	10MHz	16QAM	40290	25RB#25	21.12	PASS
41(2555-2655)	10MHz	16QAM	40290	50RB#0	21.10	PASS
41(2555-2655)	10MHz	16QAM	40690	1RB#0	22.10	PASS
41(2555-2655)	10MHz	16QAM	40690	1RB#24	22.15	PASS
41(2555-2655)	10MHz	16QAM	40690	1RB#49	22.03	PASS
41(2555-2655)	10MHz	16QAM	40690	25RB#0	20.98	PASS
41(2555-2655)	10MHz	16QAM	40690	25RB#12	20.95	PASS
41(2555-2655)	10MHz	16QAM	40690	25RB#25	20.92	PASS
41(2555-2655)	10MHz	16QAM	40690	50RB#0	20.88	PASS
41(2555-2655)	10MHz	16QAM	41190	1RB#0	22.04	PASS
41(2555-2655)	10MHz	16QAM	41190	1RB#24	22.09	PASS
41(2555-2655)	10MHz	16QAM	41190	1RB#49	22.03	PASS
41(2555-2655)	10MHz	16QAM	41190	25RB#0	20.95	PASS
41(2555-2655)	10MHz	16QAM	41190	25RB#12	20.90	PASS
41(2555-2655)	10MHz	16QAM	41190	25RB#25	20.88	PASS
41(2555-2655)	10MHz	16QAM	41190	50RB#0	20.83	PASS
41(2555-2655)	15MHz	QPSK	40315	1RB#0	23.04	PASS
41(2555-2655)	15MHz	QPSK	40315	1RB#38	23.05	PASS
41(2555-2655)	15MHz	QPSK	40315	1RB#74	22.91	PASS
41(2555-2655)	15MHz	QPSK	40315	38RB#0	22.07	PASS
41(2555-2655)	15MHz	QPSK	40315	38RB#18	22.05	PASS

41(2555-2655)	15MHz	QPSK	40315	38RB#37	22.05	PASS
41(2555-2655)	15MHz	QPSK	40315	75RB#0	22.03	PASS
41(2555-2655)	15MHz	QPSK	40690	1RB#0	22.90	PASS
41(2555-2655)	15MHz	QPSK	40690	1RB#38	22.97	PASS
41(2555-2655)	15MHz	QPSK	40690	1RB#74	22.84	PASS
41(2555-2655)	15MHz	QPSK	40690	38RB#0	21.91	PASS
41(2555-2655)	15MHz	QPSK	40690	38RB#18	22.04	PASS
41(2555-2655)	15MHz	QPSK	40690	38RB#37	21.91	PASS
41(2555-2655)	15MHz	QPSK	40690	75RB#0	21.93	PASS
41(2555-2655)	15MHz	QPSK	41165	1RB#0	22.80	PASS
41(2555-2655)	15MHz	QPSK	41165	1RB#38	22.92	PASS
41(2555-2655)	15MHz	QPSK	41165	1RB#74	22.86	PASS
41(2555-2655)	15MHz	QPSK	41165	38RB#0	21.90	PASS
41(2555-2655)	15MHz	QPSK	41165	38RB#18	21.93	PASS
41(2555-2655)	15MHz	QPSK	41165	38RB#37	21.91	PASS
41(2555-2655)	15MHz	QPSK	41165	75RB#0	21.91	PASS
41(2555-2655)	15MHz	16QAM	40315	1RB#0	22.16	PASS
41(2555-2655)	15MHz	16QAM	40315	1RB#38	22.12	PASS
41(2555-2655)	15MHz	16QAM	40315	1RB#74	22.12	PASS
41(2555-2655)	15MHz	16QAM	40315	38RB#0	22.06	PASS
41(2555-2655)	15MHz	16QAM	40315	38RB#18	21.02	PASS
41(2555-2655)	15MHz	16QAM	40315	38RB#37	22.06	PASS
41(2555-2655)	15MHz	16QAM	40315	75RB#0	21.03	PASS
41(2555-2655)	15MHz	16QAM	40690	1RB#0	22.05	PASS
41(2555-2655)	15MHz	16QAM	40690	1RB#38	22.00	PASS
41(2555-2655)	15MHz	16QAM	40690	1RB#74	21.99	PASS
41(2555-2655)	15MHz	16QAM	40690	38RB#0	21.95	PASS
41(2555-2655)	15MHz	16QAM	40690	38RB#18	20.89	PASS
41(2555-2655)	15MHz	16QAM	40690	38RB#37	21.93	PASS
41(2555-2655)	15MHz	16QAM	40690	75RB#0	20.91	PASS
41(2555-2655)	15MHz	16QAM	41165	1RB#0	22.03	PASS
41(2555-2655)	15MHz	16QAM	41165	1RB#38	22.05	PASS
41(2555-2655)	15MHz	16QAM	41165	1RB#74	21.97	PASS
41(2555-2655)	15MHz	16QAM	41165	38RB#0	21.93	PASS
41(2555-2655)	15MHz	16QAM	41165	38RB#18	20.91	PASS
41(2555-2655)	15MHz	16QAM	41165	38RB#37	21.89	PASS
41(2555-2655)	15MHz	16QAM	41165	75RB#0	20.90	PASS
41(2555-2655)	20MHz	QPSK	40340	1RB#0	23.00	PASS
41(2555-2655)	20MHz	QPSK	40340	1RB#49	23.21	PASS
41(2555-2655)	20MHz	QPSK	40340	1RB#99	22.89	PASS
41(2555-2655)	20MHz	QPSK	40340	50RB#0	22.02	PASS
41(2555-2655)	20MHz	QPSK	40340	50RB#25	21.97	PASS

41(2555-2655)	20MHz	QPSK	40340	50RB#50	21.99	PASS
41(2555-2655)	20MHz	QPSK	40340	100RB#0	22.03	PASS
41(2555-2655)	20MHz	QPSK	40690	1RB#0	22.88	PASS
41(2555-2655)	20MHz	QPSK	40690	1RB#49	23.10	PASS
41(2555-2655)	20MHz	QPSK	40690	1RB#99	22.70	PASS
41(2555-2655)	20MHz	QPSK	40690	50RB#0	21.88	PASS
41(2555-2655)	20MHz	QPSK	40690	50RB#25	21.88	PASS
41(2555-2655)	20MHz	QPSK	40690	50RB#50	21.79	PASS
41(2555-2655)	20MHz	QPSK	40690	100RB#0	21.76	PASS
41(2555-2655)	20MHz	QPSK	41140	1RB#0	22.74	PASS
41(2555-2655)	20MHz	QPSK	41140	1RB#49	23.11	PASS
41(2555-2655)	20MHz	QPSK	41140	1RB#99	22.80	PASS
41(2555-2655)	20MHz	QPSK	41140	50RB#0	21.87	PASS
41(2555-2655)	20MHz	QPSK	41140	50RB#25	21.88	PASS
41(2555-2655)	20MHz	QPSK	41140	50RB#50	21.85	PASS
41(2555-2655)	20MHz	QPSK	41140	100RB#0	21.85	PASS
41(2555-2655)	20MHz	16QAM	40340	1RB#0	21.99	PASS
41(2555-2655)	20MHz	16QAM	40340	1RB#49	22.19	PASS
41(2555-2655)	20MHz	16QAM	40340	1RB#99	21.96	PASS
41(2555-2655)	20MHz	16QAM	40340	50RB#0	21.05	PASS
41(2555-2655)	20MHz	16QAM	40340	50RB#25	21.07	PASS
41(2555-2655)	20MHz	16QAM	40340	50RB#50	21.06	PASS
41(2555-2655)	20MHz	16QAM	40340	100RB#0	21.05	PASS
41(2555-2655)	20MHz	16QAM	40690	1RB#0	21.84	PASS
41(2555-2655)	20MHz	16QAM	40690	1RB#49	22.04	PASS
41(2555-2655)	20MHz	16QAM	40690	1RB#99	21.72	PASS
41(2555-2655)	20MHz	16QAM	40690	50RB#0	20.85	PASS
41(2555-2655)	20MHz	16QAM	40690	50RB#25	20.90	PASS
41(2555-2655)	20MHz	16QAM	40690	50RB#50	20.82	PASS
41(2555-2655)	20MHz	16QAM	40690	100RB#0	20.77	PASS
41(2555-2655)	20MHz	16QAM	41140	1RB#0	21.83	PASS
41(2555-2655)	20MHz	16QAM	41140	1RB#49	22.06	PASS
41(2555-2655)	20MHz	16QAM	41140	1RB#99	21.80	PASS
41(2555-2655)	20MHz	16QAM	41140	50RB#0	20.95	PASS
41(2555-2655)	20MHz	16QAM	41140	50RB#25	20.97	PASS
41(2555-2655)	20MHz	16QAM	41140	50RB#50	20.83	PASS
41(2555-2655)	20MHz	16QAM	41140	100RB#0	20.89	PASS

Remark:

1. Per KDB941225 D05 v02r05, Start with the largest channel bandwidth then measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle, and lower edge of each required test channel. When the Waltek Testing Group (Shenzhen) Co., Ltd.

reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. 6 When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

2. Per KDB941225 D05 v02r05, the procedures required for 1 RB allocation in 5.2.1 are applied to measure the SAR for QPSK with 50% RB allocation.

3. Per KDB941225 D05 v02r05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations, and the highest reported SAR for 1 RB and 50% RB allocation in 5.2.1 and 5.2.2 are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

4. Per KDB941225 D05 v02r05, For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in 5.2.1, 5.2.2, and 5.2.3 to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> \frac{1}{2}$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

WLAN(2.4GHz)					
Test Mode	Data Rate	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11b	1Mbps	CH 01	2412	15.70	16.0
		CH 06	2437	15.56	16.0
		CH 11	2462	15.74	16.0
802.11g	6Mbps	CH 01	2412	11.53	12.0
		CH 06	2437	11.05	12.0
		CH 11	2462	11.86	12.0
802.11n-HT20	MCS0	CH 01	2412	11.52	12.0
		CH 06	2437	10.98	12.0
		CH 11	2462	11.82	12.0
802.11n-HT40	MCS0	CH 03	2422	10.27	11.0
		CH 06	2437	10.48	11.0
		CH 09	2452	9.72	11.0

WLAN(5.2GHz)				
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11a	CH 36	5180	13.85	17.0
	CH 40	5200	16.13	17.0
	CH 48	5240	16.55	17.0
802.11n-HT20	CH 36	5180	13.63	14.0
	CH 40	5200	13.49	14.0
	CH 48	5240	13.68	14.0
802.11n-HT40	CH 38	5190	12.33	13.5
	CH 46	5230	12.28	13.5
802.11ac-VHT20	CH 36	5180	13.45	14.0
	CH 40	5200	13.66	14.0
	CH 48	5240	13.54	14.0
802.11ac-VHT40	CH 38	5190	12.34	13.5
	CH 46	5230	13.36	13.5
802.11ac-VHT80	CH 42	5210	8.94	9.5

WLAN(5.8GHz)				
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11a	CH 149	5745	17.70	18.0
	CH 157	5785	17.36	18.0
	CH 165	5825	17.04	18.0
802.11n-HT20	CH 149	5745	17.43	17.5
	CH 157	5785	17.22	17.5
	CH 165	5825	16.87	17.5
802.11n-HT40	CH 151	5755	16.55	17.0
	CH 159	5795	16.43	17.0
802.11ac-VHT20	CH 149	5745	17.29	17.5
	CH 157	5785	17.11	17.5
	CH 165	5825	16.71	17.5
802.11ac-VHT40	CH 151	5755	17.00	17.5
	CH 159	5795	16.26	17.5
802.11ac-VHT80	CH 155	5775	16.81	17.5

Remark:

1. Per KDB 248227 D01 v02r02, for 802.11b DSSS SAR measurements, DSSS SAR procedure applies to fixed exposure test position and initial test position procedure applies to multiple exposure test positions.
2. Per KDB 248227 D01 v02r02, for 802.11b DSSS SAR measurements ,when the reported SAR of the highest measured maximum output power channel (see 3.1) for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration. When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.
- 3 .For OFDM modes (802.11g/n), SAR is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and it is ≤ 1.2 W/kg.

Bluetooth					
Test Mode	Data Rate	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
GFSK	1Mbps	CH 00	2402	2.605	4.0
		CH 39	2441	3.896	4.0
		CH 78	2480	3.268	4.0
π/4 DQPSK	2Mbps	CH 00	2402	1.743	4.0
		CH 39	2441	3.094	4.0
		CH 78	2480	2.567	4.0
8DPSK	3Mbps	CH 00	2402	1.867	4.0
		CH 39	2441	3.156	4.0
		CH 78	2480	2.711	4.0

Bluetooth				
Test Mode	Data Rate	Channel	Frequency (MHz)	Conducted Power (dBm)
BLE	1Mbps	CH 00	2402	0.423
		CH 19	2440	1.560
		CH 39	2480	1.031
	2Mbps	CH 00	2402	0.476
		CH 19	2440	1.468
		CH 39	2480	1.036

Remark:

Bluetooth maximum output power is 3.896dBm, Maximum Tune-Up output power is 4.0Bm. Per KDB 447498 D01 V06, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

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

- 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

Tune-Up Power (dBm)	Max. Power (mW)	Distance (mm)	Frequency (GHz)	Result	Limit
4.0	2.51	5	2.480	0.791	3

The exclusion thresholds is 0.791, therefore, the RF exposure evaluation is not required.

9.2 Test Results for Standalone SAR Test

Body SAR

GSM850 – Body SAR Test (Gap: 5mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
1.	GSM	Back Face	190	836.6	33.73	34.0	1.064	0.332	0.353
	GSM	Front Face	190	836.6	33.73	34.0	1.064	0.087	0.093
	GSM	Left Side	190	836.6	33.73	34.0	1.064	0.043	0.046
	GSM	Bottom Side	190	836.6	33.73	34.0	1.064	0.089	0.095
2.	GPRS_4TX	Back Face	128	824.2	29.77	30.0	1.054	0.281	0.296
	GPRS_4TX	Front Face	128	824.2	29.77	30.0	1.054	0.085	0.090
	GPRS_4TX	Left Side	128	824.2	29.77	30.0	1.054	0.048	0.051
	GPRS_4TX	Bottom Side	128	824.2	29.77	30.0	1.054	0.099	0.104

GSM1900 – Body SAR Test (Gap: 5mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
3.	GSM	Back Face	810	1909.8	29.70	30.0	1.072	0.425	0.455
	GSM	Front Face	810	1909.8	29.70	30.0	1.072	0.277	0.297
	GSM	Left Side	810	1909.8	29.70	30.0	1.072	0.103	0.110
	GSM	Bottom Side	810	1909.8	29.70	30.0	1.072	0.168	0.180
4.	GPRS_4TX	Back Face	810	1909.8	25.72	26.0	1.067	0.652	0.695
	GPRS_4TX	Front Face	810	1909.8	25.72	26.0	1.067	0.227	0.242
	GPRS_4TX	Left Side	810	1909.8	25.72	26.0	1.067	0.141	0.150
	GPRS_4TX	Bottom Side	810	1909.8	25.72	26.0	1.067	0.215	0.229

WCDMA Band 2 – Body SAR Test (Gap: 5mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
5.	RMC 12.2k	Back Face	9538	1907.6	23.86	24.0	1.033	0.509	0.526
	RMC 12.2k	Front Face	9538	1907.6	23.86	24.0	1.033	0.353	0.365
	RMC 12.2k	Left Side	9538	1907.6	23.86	24.0	1.033	0.213	0.220
	RMC 12.2k	Bottom Side	9538	1907.6	23.86	24.0	1.033	0.188	0.194

WCDMA Band 5 – Body SAR Test (Gap: 5mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
6.	RMC 12.2k	Back Face	4233	846.6	24.00	24.5	1.122	0.344	0.386
	RMC 12.2k	Front Face	4233	846.6	24.00	24.5	1.122	0.113	0.127
	RMC 12.2k	Left Side	4233	846.6	24.00	24.5	1.122	0.060	0.067
	RMC 12.2k	Bottom Side	4233	846.6	24.00	24.5	1.122	0.103	0.116

LTE Band 2–Body SAR Test (Gap: 5mm)								
Plot No.	Mode	Test Position Body	Frequ ency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR 1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 1.4MHz 1RB	Back Face	1909.3	24.68	25.0	1.076	0.353	0.380
	QPSK 1.4MHz 1RB	Front Face	1909.3	24.68	25.0	1.076	0.248	0.267
	QPSK 1.4MHz 1RB	Left Side	1909.3	24.68	25.0	1.076	0.165	0.178
	QPSK 1.4MHz 1RB	Bottom Side	1909.3	24.68	25.0	1.076	0.172	0.185
	QPSK 1.4MHz 50%RB	Back Face	1909.3	24.68	25.0	1.076	0.350	0.377
	QPSK 1.4MHz 50%RB	Front Face	1909.3	24.68	25.0	1.076	0.312	0.336
	QPSK 1.4MHz 50%RB	Left Side	1909.3	24.68	25.0	1.076	0.149	0.160
	QPSK 1.4MHz 50%RB	Bottom Side	1909.3	24.68	25.0	1.076	0.165	0.178
7.	QPSK 20MHz 1RB	Back Face	1900	24.56	25.0	1.107	0.365	0.404
	QPSK 20MHz 1RB	Front Face	1900	24.56	25.0	1.107	0.235	0.260
	QPSK 20MHz 1RB	Left Side	1900	24.56	25.0	1.107	0.197	0.218
	QPSK 20MHz 1RB	Bottom Side	1900	24.56	25.0	1.107	0.201	0.222
	QPSK 20MHz 50%RB	Back Face	1900	24.56	25.0	1.107	0.354	0.392
	QPSK 20MHz 50%RB	Front Face	1900	24.56	25.0	1.107	0.342	0.378
	QPSK 20MHz 50%RB	Left Side	1900	24.56	25.0	1.107	0.179	0.198
	QPSK 20MHz 50%RB	Bottom Side	1900	24.56	25.0	1.107	0.186	0.206

LTE Band 5–Body SAR Test (Gap: 5mm)								
Plot No.	Mode	Test Position Body	Frequ ency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR 1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
8.	QPSK 5MHz 1RB	Back Face	846.5	24.79	25.0	1.050	0.356	0.374
	QPSK 5MHz 1RB	Front Face	846.5	24.79	25.0	1.050	0.123	0.129
	QPSK 5MHz 1RB	Left Side	846.5	24.79	25.0	1.050	0.040	0.042
	QPSK 5MHz 1RB	Bottom Side	846.5	24.79	25.0	1.050	0.075	0.079

	QPSK 5MHz 50%RB	Back Face	846.5	24.79	25.0	1.050	0.343	0.360
	QPSK 5MHz 50%RB	Front Face	846.5	24.79	25.0	1.050	0.120	0.126
	QPSK 5MHz 50%RB	Left Side	846.5	24.79	25.0	1.050	0.035	0.037
	QPSK 5MHz 50%RB	Bottom Side	846.5	24.79	25.0	1.050	0.069	0.072
	QPSK 10MHz 1RB	Back Face	836.5	24.71	25.0	1.069	0.339	0.362
	QPSK 10MHz 1RB	Front Face	836.5	24.71	25.0	1.069	0.110	0.118
	QPSK 10MHz 1RB	Left Side	836.5	24.71	25.0	1.069	0.054	0.058
	QPSK 10MHz 1RB	Bottom Side	836.5	24.71	25.0	1.069	0.092	0.098
	QPSK 10MHz 50%RB	Back Face	836.5	24.71	25.0	1.069	0.316	0.338
	QPSK 10MHz 50%RB	Front Face	836.5	24.71	25.0	1.069	0.103	0.110
	QPSK 10MHz 50%RB	Left Side	836.5	24.71	25.0	1.069	0.046	0.049
	QPSK 10MHz 50%RB	Bottom Side	836.5	24.71	25.0	1.069	0.082	0.088

LTE Band 7–Body SAR Test (Gap: 5mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR 1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 5MHz 1RB	Back Face	2535	23.92	24.0	1.019	0.649	0.661
	QPSK 5MHz 1RB	Front Face	2535	23.92	24.0	1.019	0.323	0.329
	QPSK 5MHz 1RB	Left Side	2535	23.92	24.0	1.019	0.231	0.235
	QPSK 5MHz 1RB	Bottom Side	2535	23.92	24.0	1.019	0.219	0.223
	QPSK 5MHz 50%RB	Back Face	2535	23.92	24.0	1.019	0.632	0.644
	QPSK 5MHz 50%RB	Front Face	2535	23.92	24.0	1.019	0.312	0.318
	QPSK 5MHz 50%RB	Left Side	2535	23.92	24.0	1.019	0.227	0.231
	QPSK 5MHz 50%RB	Bottom Side	2535	23.92	24.0	1.019	0.215	0.219
9.	QPSK 20MHz 1RB	Back Face	2510	23.59	24.0	1.099	0.751	0.825
	QPSK 20MHz 1RB	Front Face	2510	23.59	24.0	1.099	0.335	0.368
	QPSK 20MHz 1RB	Left Side	2510	23.59	24.0	1.099	0.252	0.277
	QPSK 20MHz 1RB	Bottom Side	2510	23.59	24.0	1.099	0.245	0.269
	QPSK 20MHz 1RB	Back Face	2535	23.51	24.0	1.119	0.728	0.815
	QPSK 20MHz 1RB	Back Face	2560	23.46	24.0	1.132	0.714	0.809
	QPSK 20MHz 50%RB	Back Face	2510	23.59	24.0	1.099	0.743	0.817
	QPSK 20MHz 50%RB	Front Face	2510	23.59	24.0	1.099	0.321	0.353
	QPSK 20MHz 50%RB	Left Side	2510	23.59	24.0	1.099	0.245	0.269
	QPSK 20MHz 50%RB	Bottom Side	2510	23.59	24.0	1.099	0.233	0.256
	QPSK 20MHz 1RB	Back Face	2535	23.51	24.0	1.119	0.715	0.800
	QPSK 20MHz 1RB	Back Face	2560	23.46	24.0	1.132	0.703	0.796

LTE Band 38–Body SAR Test (Gap: 5mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR 1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 5MHz 1RB	Back Face	2572.5	23.30	24.0	1.175	0.514	0.604
	QPSK 5MHz 1RB	Front Face	2572.5	23.30	24.0	1.175	0.259	0.304
	QPSK 5MHz 1RB	Left Side	2572.5	23.30	24.0	1.175	0.254	0.298
	QPSK 5MHz 1RB	Bottom Side	2572.5	23.30	24.0	1.175	0.135	0.159
	QPSK 5MHz 50%RB	Back Face	2572.5	23.30	24.0	1.175	0.499	0.586
	QPSK 5MHz 50%RB	Front Face	2572.5	23.30	24.0	1.175	0.251	0.295
	QPSK 5MHz 50%RB	Left Side	2572.5	23.30	24.0	1.175	0.243	0.286
	QPSK 5MHz 50%RB	Bottom Side	2572.5	23.30	24.0	1.175	0.127	0.149
10.	QPSK 20MHz 1RB	Back Face	2580	23.24	24.0	1.191	0.612	0.729
	QPSK 20MHz 1RB	Front Face	2580	23.24	24.0	1.191	0.291	0.347
	QPSK 20MHz 1RB	Left Side	2580	23.24	24.0	1.191	0.273	0.325
	QPSK 20MHz 1RB	Bottom Side	2580	23.24	24.0	1.191	0.165	0.197
	QPSK 20MHz 50%RB	Back Face	2580	23.24	24.0	1.191	0.603	0.718
	QPSK 20MHz 50%RB	Front Face	2580	23.24	24.0	1.191	0.282	0.336
	QPSK 20MHz 50%RB	Left Side	2580	23.24	24.0	1.191	0.267	0.318
	QPSK 20MHz 50%RB	Bottom Side	2580	23.24	24.0	1.191	0.154	0.183

LTE Band 40(2305-2315MHz)–Body SAR Test (Gap: 5mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR 1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 5MHz 1RB	Back Face	2312.5	23.22	24.0	1.197	0.436	0.522
	QPSK 5MHz 1RB	Front Face	2312.5	23.22	24.0	1.197	0.196	0.235
	QPSK 5MHz 1RB	Left Side	2312.5	23.22	24.0	1.197	0.146	0.175
	QPSK 5MHz 1RB	Bottom Side	2312.5	23.22	24.0	1.197	0.089	0.107
	QPSK 5MHz 50%RB	Back Face	2312.5	23.22	24.0	1.197	0.421	0.504
	QPSK 5MHz 50%RB	Front Face	2312.5	23.22	24.0	1.197	0.185	0.221
	QPSK 5MHz 50%RB	Left Side	2312.5	23.22	24.0	1.197	0.129	0.154
	QPSK 5MHz 50%RB	Bottom Side	2312.5	23.22	24.0	1.197	0.082	0.098
11.	QPSK 10MHz 1RB	Back Face	2310	23.03	24.0	1.250	0.541	0.676
	QPSK 10MHz 1RB	Front Face	2310	23.03	24.0	1.250	0.320	0.400
	QPSK 10MHz 1RB	Left Side	2310	23.03	24.0	1.250	0.240	0.300
	QPSK 10MHz 1RB	Bottom Side	2310	23.03	24.0	1.250	0.113	0.141
	QPSK 10MHz 50%RB	Back Face	2310	23.03	24.0	1.250	0.523	0.654
	QPSK 10MHz 50%RB	Front Face	2310	23.03	24.0	1.250	0.312	0.390

	QPSK 10MHz 50%RB	Left Side	2310	23.03	24.0	1.250	0.228	0.285
	QPSK 10MHz 50%RB	Bottom Side	2310	23.03	24.0	1.250	0.108	0.135

LTE Band 41(2555-2655MHz)–Body SAR Test (Gap: 5mm)								
Plot No.	Mode	Test Position	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR 1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 5MHz 1RB	Back Face	2557.5	23.36	24.0	1.159	0.529	0.613
	QPSK 5MHz 1RB	Front Face	2557.5	23.36	24.0	1.159	0.335	0.388
	QPSK 5MHz 1RB	Left Side	2557.5	23.36	24.0	1.159	0.231	0.268
	QPSK 5MHz 1RB	Bottom Side	2557.5	23.36	24.0	1.159	0.138	0.160
	QPSK 5MHz 50%RB	Back Face	2557.5	23.36	24.0	1.159	0.512	0.593
	QPSK 5MHz 50%RB	Front Face	2557.5	23.36	24.0	1.159	0.321	0.372
	QPSK 5MHz 50%RB	Left Side	2557.5	23.36	24.0	1.159	0.219	0.254
	QPSK 5MHz 50%RB	Bottom Side	2557.5	23.36	24.0	1.159	0.127	0.147
12.	QPSK 20MHz 1RB	Back Face	2565	23.21	24.0	1.199	0.648	0.777
	QPSK 20MHz 1RB	Front Face	2565	23.21	24.0	1.199	0.385	0.462
	QPSK 20MHz 1RB	Left Side	2565	23.21	24.0	1.199	0.272	0.326
	QPSK 20MHz 1RB	Bottom Side	2565	23.21	24.0	1.199	0.174	0.209
	QPSK 20MHz 50%RB	Back Face	2565	23.21	24.0	1.199	0.635	0.762
	QPSK 20MHz 50%RB	Front Face	2565	23.21	24.0	1.199	0.376	0.451
	QPSK 20MHz 50%RB	Left Side	2565	23.21	24.0	1.199	0.264	0.317
	QPSK 20MHz 50%RB	Bottom Side	2565	23.21	24.0	1.199	0.163	0.196

WLAN 2.4GHz –Body SAR Test(Gap: 5mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
13.	802.11b	Back Face	CH 11	2462	15.74	16.0	1.062	0.634	0.673
	802.11b	Front Face	CH 11	2462	15.74	16.0	1.062	0.326	0.346
	802.11b	Left Side	CH 11	2462	15.74	16.0	1.062	0.169	0.179
	802.11b	Top Side	CH 11	2462	15.74	16.0	1.062	0.084	0.089

WLAN 5.2GHz –Body SAR Test(Gap: 5mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
14.	802.11b	Back Face	CH 48	5240	16.55	17.0	1.109	0.636	0.705
	802.11b	Front Face	CH 48	5240	16.55	17.0	1.109	0.461	0.511
	802.11b	Left Side	CH 48	5240	16.55	17.0	1.109	0.217	0.241
	802.11b	Top Side	CH 48	5240	16.55	17.0	1.109	0.195	0.216

WLAN 5.8GHz –Body SAR Test(Gap: 5mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
15.	802.11b	Back Face	149	5745	17.70	18.0	1.072	0.370	0.396
	802.11b	Front Face	149	5745	17.70	18.0	1.072	0.345	0.370
	802.11b	Left Side	149	5745	17.70	18.0	1.072	0.238	0.255
	802.11b	Top Side	149	5745	17.70	18.0	1.072	0.212	0.227

Remark:

- 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.

Repeated SAR

LTE Band 7–Body SAR Test (Gap: 0mm)							
Mode	Test Position	Frequency	SAR1g (W/kg)	Repeated SAR		Ratio	
		MHz		1	2	1	2
QPSK 20MHz 1RB	Back Face	2510	0.751	0.738	/	1.018	/
QPSK 20MHz 1RB	Back Face	2535	0.728	0.705	/	1.033	/
QPSK 20MHz 1RB	Back Face	2560	0.714	0.702	/	1.017	/
QPSK 20MHz 50%RB	Back Face	2510	0.743	0.723	/	1.028	/
QPSK 20MHz 1RB	Back Face	2535	0.715	0.699	/	1.023	/

Remark:

- 1) Per KDB 447498 D01 v06, if the highest output channel SAR for each exposure position ≤ 0.8 W/kg other channels SAR tests are not necessary.
- 2) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.
- 3) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 4) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).
- 5) 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 .

9.3 Simultaneous Multi-band Transmission SAR Analysis

List of Mode for Simultaneous Multi-band Transmission

No.	Configurations	Body SAR
1	GSM(Voice/Data) + WLAN(2.4GHz)(Data)	Yes
2	WCDMA (Data)+ WLAN (2.4GHz)(Data)	Yes
3	LTE(Data) + WLAN (2.4GHz)(Data)	Yes
4	GSM(Voice/Data) + Bluetooth(Data)	Yes
5	WCDMA (Data) + Bluetooth(Data)	Yes
6	LTE(Data) + Bluetooth(Data)	Yes

Remark:

1. GSM, WCDMA and LTE share the same antenna, and cannot transmit simultaneously.
2. WLAN and Bluetooth share the same antenna, and cannot transmit simultaneously.
3. According to the KDB 447498 D01 v06, when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

$(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm}) \cdot [\sqrt{f(\text{GHz})}/x]$
W/kg for test separation distances ≤ 50 mm;

where $x = 7.5$ for 1-g SAR, and $x = 18.75$ for 10-g SAR.

For simultaneous transmission analysis, Bluetooth SAR is estimated per KDB 447498 D01 v06 as below:

Bluetooth:

Tune-Up Power (dBm)	Max. Power (mW)	Distance (mm)	Frequency (GHz)	X	SAR(1g) 5mm
4.0	2.51	5/10	2.480	7.5	0.043

4. The maximum SAR summation is calculated based on the same configuration and test position.

Body SAR**WWAN and WLAN**

	WWAN		WLAN(2.4GHz)	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	GSM	0.695	0.673	1.368
Front	GSM	0.297	0.346	0.643
Right side	GSM	--	--	--
Left side	GSM	0.150	0.179	0.329
Top side	GSM	--	0.089	0.089
Bottom side	GSM	0.229	--	0.229
Back	WCDMA	0.526	0.673	1.199
Front	WCDMA	0.365	0.346	0.711
Right side	WCDMA	--	--	--
Left side	WCDMA	0.220	0.179	0.399
Top side	WCDMA	--	0.089	0.089
Bottom side	WCDMA	0.194	--	0.194
Back	LTE	0.825	0.673	1.498
Front	LTE	0.462	0.346	0.808
Right side	LTE	--	--	--
Left side	LTE	0.326	0.179	0.505
Top side	LTE	--	0.089	0.089
Bottom side	LTE	0.269	--	0.269

	WWAN		WLAN(5GHz)	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	GSM	0.695	0.705	1.400
Front	GSM	0.297	0.511	0.808
Right side	GSM	--	--	--
Left side	GSM	0.150	0.241	0.391
Top side	GSM	--	0.216	0.216
Bottom side	GSM	0.229	--	0.229
Back	WCDMA	0.526	0.705	1.231
Front	WCDMA	0.365	0.511	0.876
Right side	WCDMA	--	--	--
Left side	WCDMA	0.220	0.241	0.461
Top side	WCDMA	--	0.216	0.216
Bottom side	WCDMA	0.194	--	0.194
Back	LTE	0.825	0.705	1.530
Front	LTE	0.462	0.511	0.973

Right side	LTE	--	--	--
Left side	LTE	0.326	0.241	0.567
Top side	LTE	--	0.216	0.216
Bottom side	LTE	0.269	--	0.269

Note:

WWAN + Bluetooth test result less than the WWAN + WLAN (2.4GHz) test result, so the WWAN + Bluetooth test result is not show in the test report.

10. Measurement Uncertainty

10.1 Uncertainty for SAR Test

Input quantity X_i (source of uncertainty)	Ref.	Prob. Dist PDF_i	Unc. $a(x_i)$	Div. q_i	$u(x_i) =$ $a(x_i)/q_i$	c_i (1 g; 10 g)	$u(y) = c_i \cdot u(x_i)$	v_i or v_{eff}
Measurement System errors								
Probe calibration	8.4.1.1	N	7.00	2	3.5	1	3.5	∞
Probe calibration drift	8.4.1.2	R	0	$\sqrt{3}$	0	1	0	∞
Probe linearity and detection limit	8.4.1.3	R	5.00	$\sqrt{3}$	2.89	1	2.89	∞
Broadband signal	8.4.1.4	R	0	$\sqrt{3}$	0	1	0	∞
Probe isotropy	8.4.1.5	R	2.50	$\sqrt{3}$	1.44	1	1.44	∞
Other probe and data acquisition errors	8.4.1.6	N	0.02	1	0.02	1	0.02	∞
RF ambient and noise	8.4.1.7	N	0	1	0	1	0	∞
Probe positioning errors	8.4.1.8	N	1.40	1	1.40	2/TM	0.70	
Data processing errors	8.4.1.9	N	0.05	1	0.05	1	0.05	∞
Phantom and device (DUT or validation antenna) errors								
Measurement of phantom conductivity(σ)	8.4.2.1	N	4.00	1	4.00	c_{σ} , c_{σ}	4.00	∞
Temperature effects (medium)	8.4.2.2	R	2.50	$\sqrt{3}$	1.44	c_{σ} , c_{σ}	1.44	∞
Shell permittivity	8.4.2.3	R	5.00	$\sqrt{3}$	2.88	See 8.4.2.3	2.88	∞
Distance between the radiating element of the DUT and the phantom medium	8.4.2.4	N	0.03	1	0.03	2	0.02	∞
Repeatability of positioning the DUT or source against the phantom	8.4.2.5	N	0.05	1	0.05	1	0.05	5
Device holder effects	8.4.2.6	N	5.00	1	5.00	1	5.00	
Effect of operating mode on probe sensitivity	8.4.2.7	R	0	$\sqrt{3}$	0	1	0	∞
Time-average SAR	8.4.2.8	R	0	$\sqrt{3}$	0	1	0	∞
Variation in SAR due to drift in output of DUT	8.4.2.9	N	5.00	1	5.00	1	5.00	
Validation antenna uncertainty (validation measurement only)	8.4.2.10	N	0	1	0	1	0	

Uncertainty in accepted power (validation measurement only)	8.4.2.11	N	0	1	0	1	0	
Corrections to the SAR result								
Phantom deviation from target (ϵ', σ)	8.4.3.1	N	0.05	1	0.05	1	0.05	
SAR scaling	8.4.3.2	R	2.00	$\sqrt{3}$	1.15	1	1.15	
Combined Standard Uncertainty		RSS			10.11		10.11	$\nu_{\text{eff}} =$
Expanded uncertainty, U		K=2			20.23		20.23	

Annex A. Plots of System Performance Check

MEASUREMENT 1

Type: Validation measurement (Fast, 75.00 %)
Date of measurement: 2025-05-20
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 0.99; Calibrated: 2025-02-12

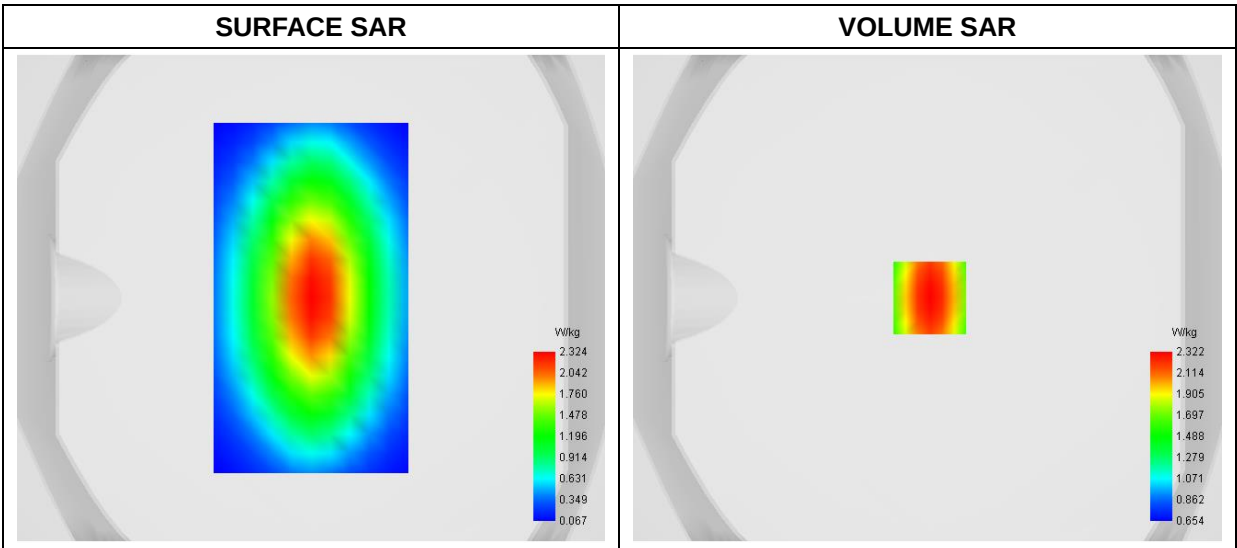
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW835
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	835.000000
Relative Permittivity (real part)	41.962489
Conductivity (S/m)	0.911417
Power Variation (%)	-1.884700
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume

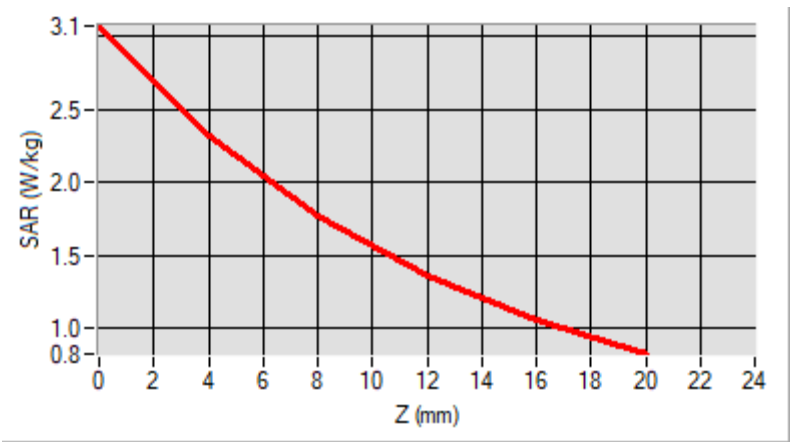


Maximum location: X=1.00, Y=0.00
D. SAR 1g & 10g

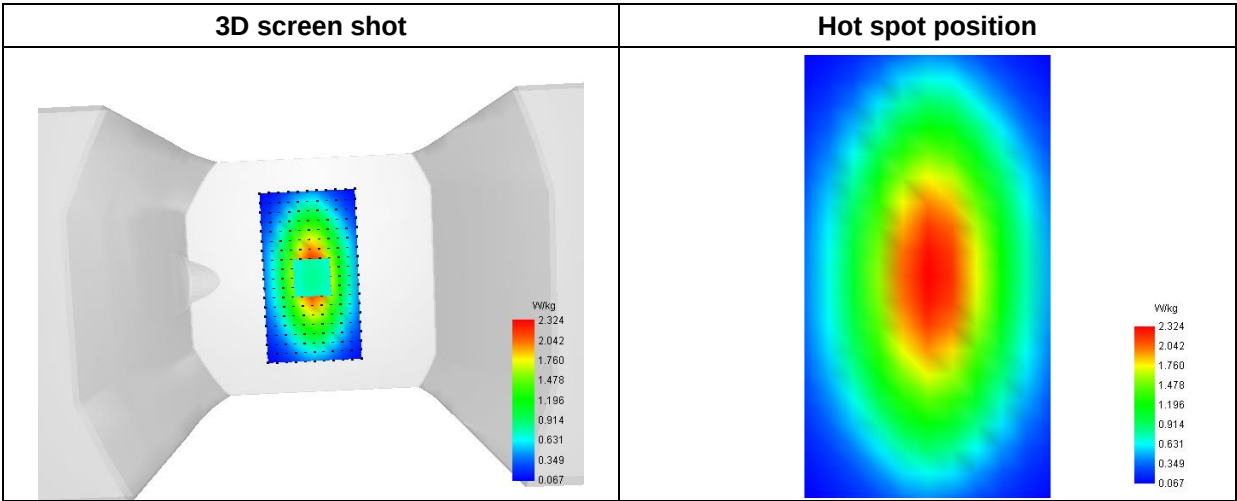
SAR 10g (W/Kg)	1.527360
SAR 1g (W/Kg)	2.210386

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	3.0677	2.3224	1.7644	1.3585	1.0631



F. 3D Image



MEASUREMENT 2

Type: Validation measurement (Fast, 75.00 %)
Date of measurement: 2025-06-05
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.39; Calibrated: 2025-02-12

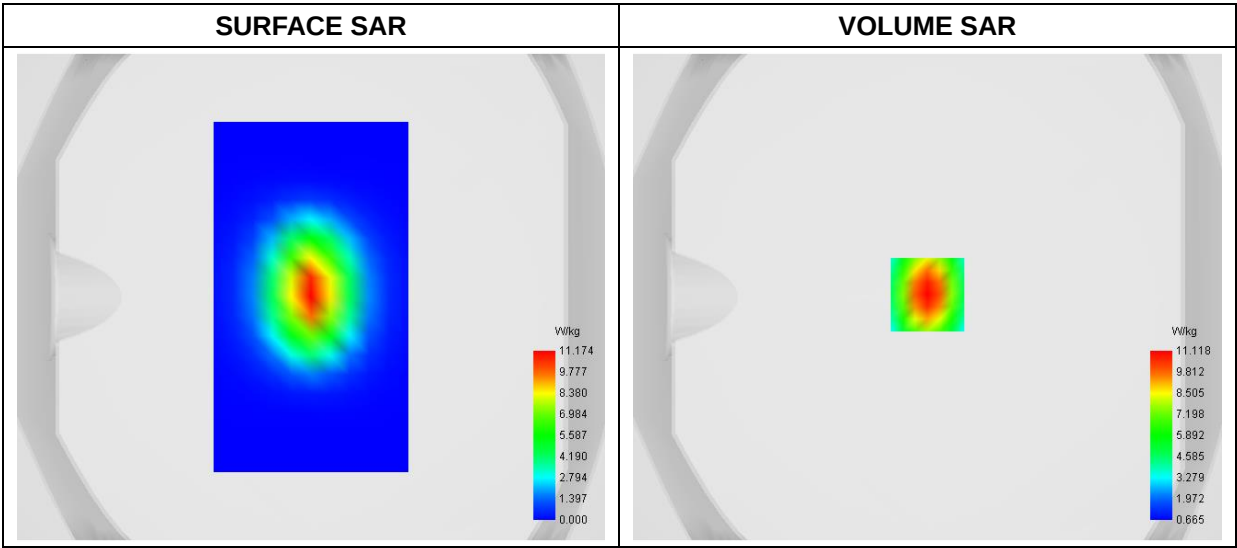
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	1900.000000
Relative Permittivity (real part)	39.114574
Conductivity (S/m)	1.413135
Power Variation (%)	-1.224700
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume

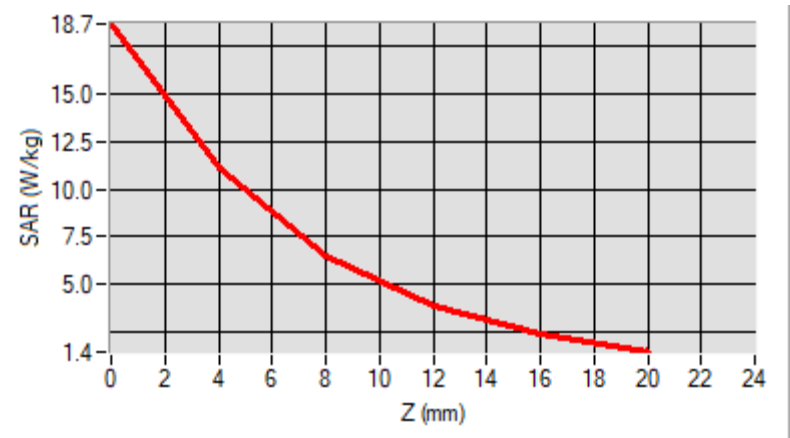


Maximum location: X=0.00, Y=1.00
D. SAR 1g & 10g

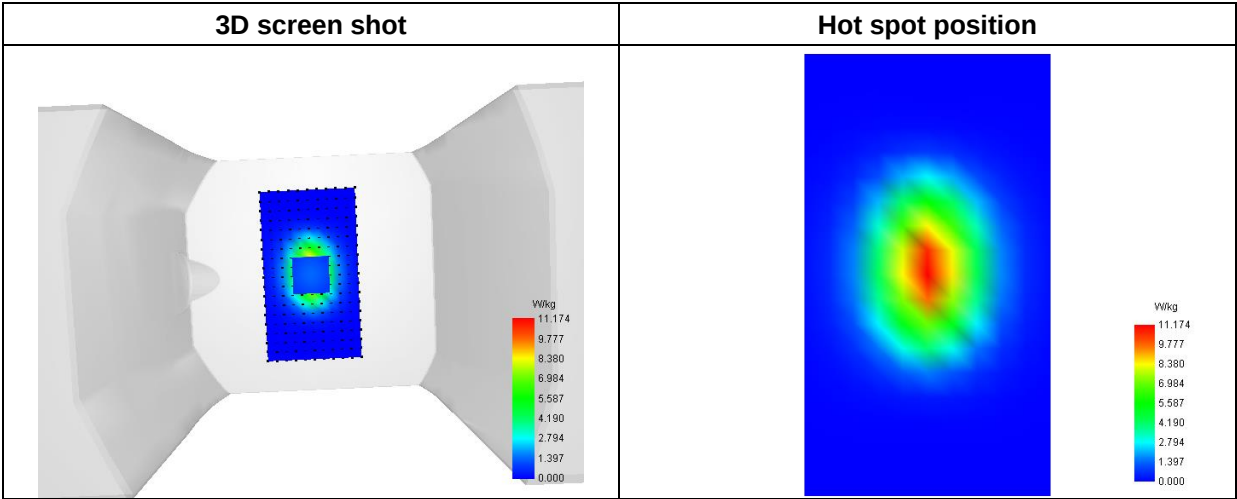
SAR 10g (W/Kg)	5.260825
SAR 1g (W/Kg)	10.222516

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	18.6940	11.1182	6.4717	3.8103	2.3414



F. 3D Image



MEASUREMENT 3

Type: Validation measurement (Fast, 75.00 %)
Date of measurement: 2025-05-22
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.44; Calibrated: 2025-02-12

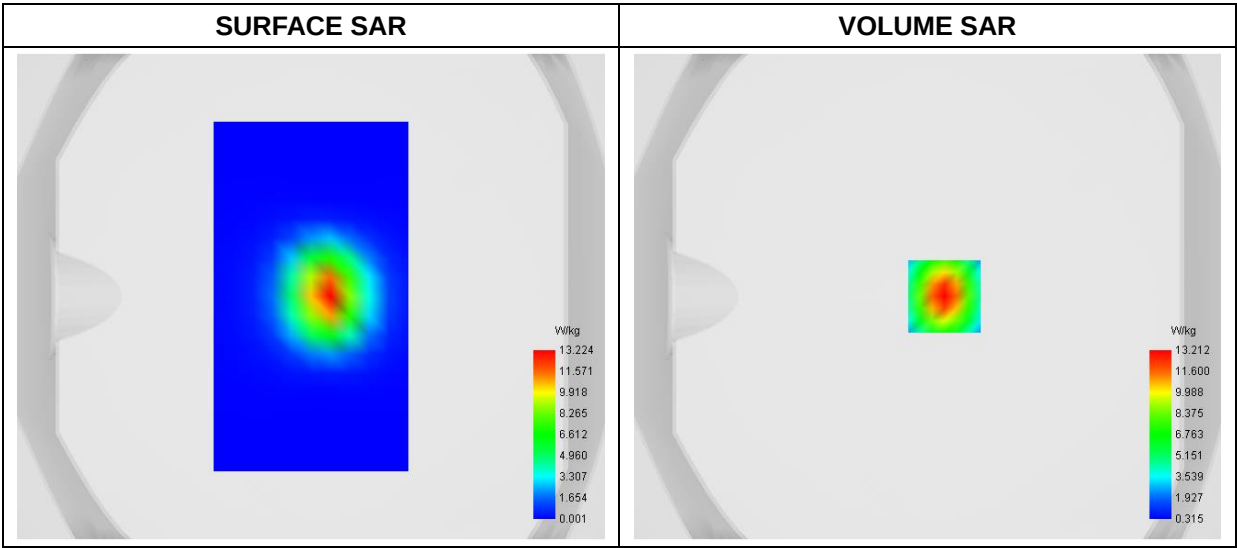
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW2300
Signal	CW (Crest factor: 1.0)

B. SAR Measurement Results

Frequency (MHz)	2300.000000
Relative Permittivity (real part)	41.033829
Conductivity (S/m)	1.714785
Power Variation (%)	-1.128500
Ambient Temperature	22.4
Liquid Temperature	22.4

C. SAR Surface and Volume

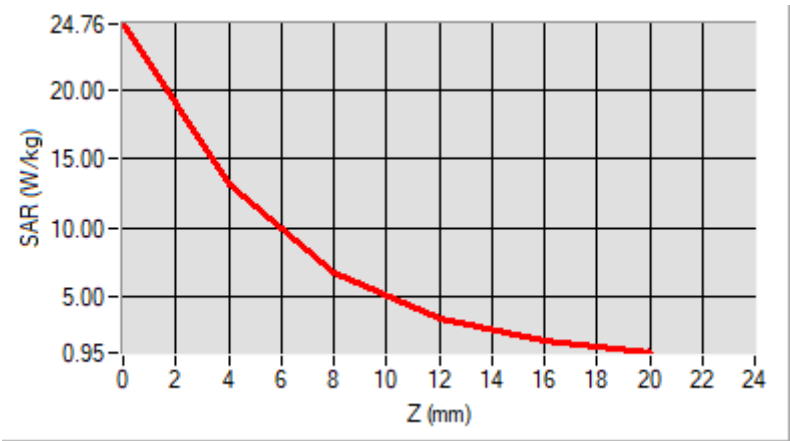


Maximum location: X=7.00, Y=0.00
D. SAR 1g & 10g

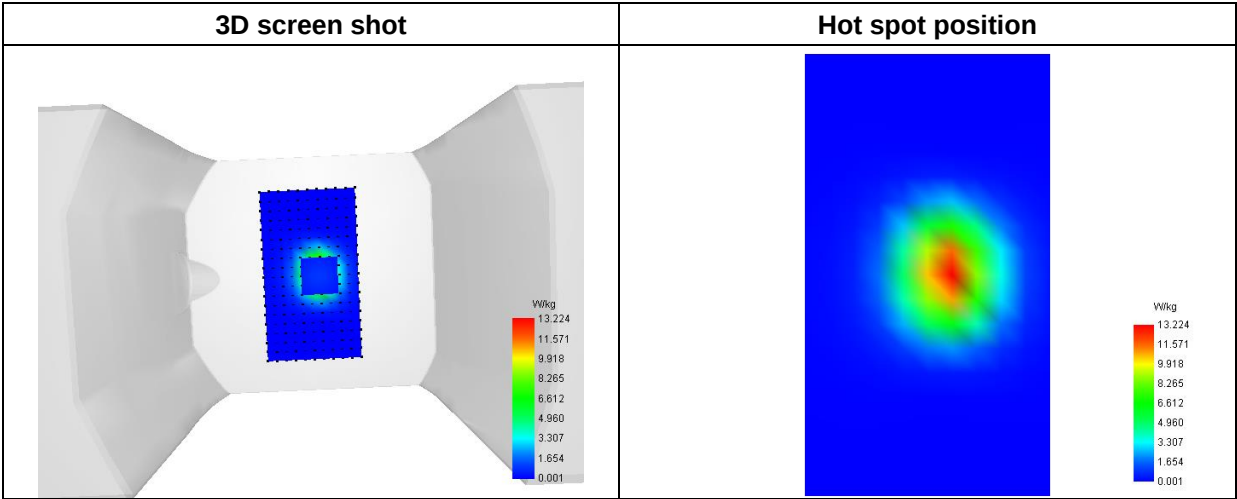
SAR 10g (W/Kg)	5.460417
SAR 1g (W/Kg)	12.023105

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	24.7611	13.2116	6.7110	3.3913	1.8106



F. 3D Image



MEASUREMENT 4

Type: Validation measurement (Fast, 75.00 %)
Date of measurement: 2025-06-12
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.45; Calibrated: 2025-02-12

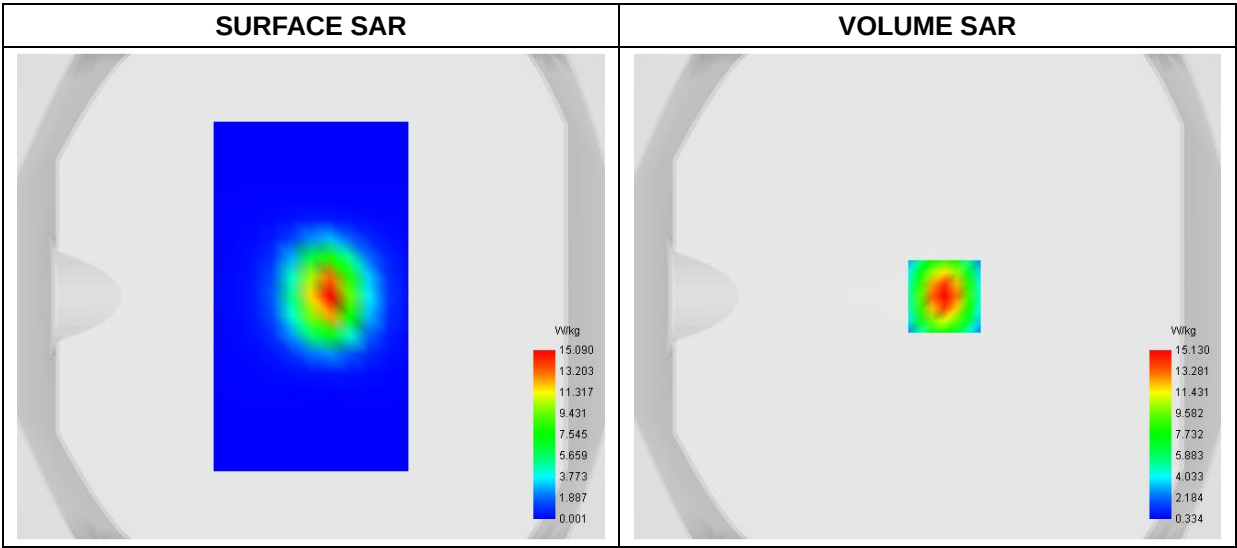
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Signal	CW (Crest factor: 1.0)

B. SAR Measurement Results

Frequency (MHz)	2450.000000
Relative Permittivity (real part)	38.682289
Conductivity (S/m)	1.821828
Power Variation (%)	1.475200
Ambient Temperature	22.4
Liquid Temperature	22.4

C. SAR Surface and Volume

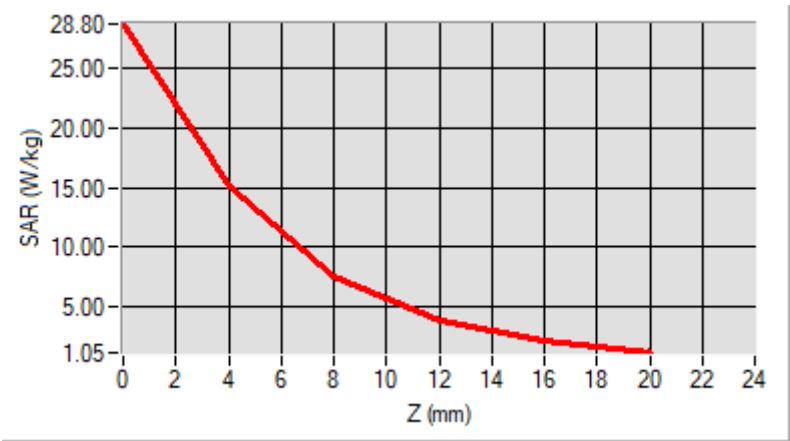


Maximum location: X=7.00, Y=0.00
D. SAR 1g & 10g

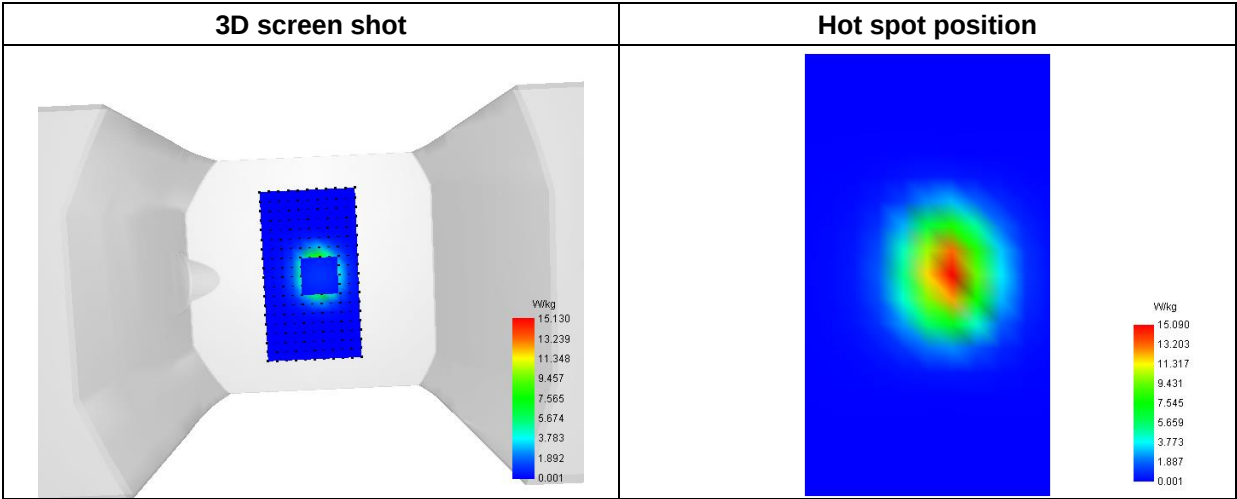
SAR 10g (W/Kg)	6.149024
SAR 1g (W/Kg)	13.746586

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	28.7959	15.1301	7.5430	3.7436	1.9810



F. 3D Image



MEASUREMENT 5

Type: Validation measurement (Fast, 75.00 %)
Date of measurement: 2025-06-06
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.36; Calibrated: 2025-02-12

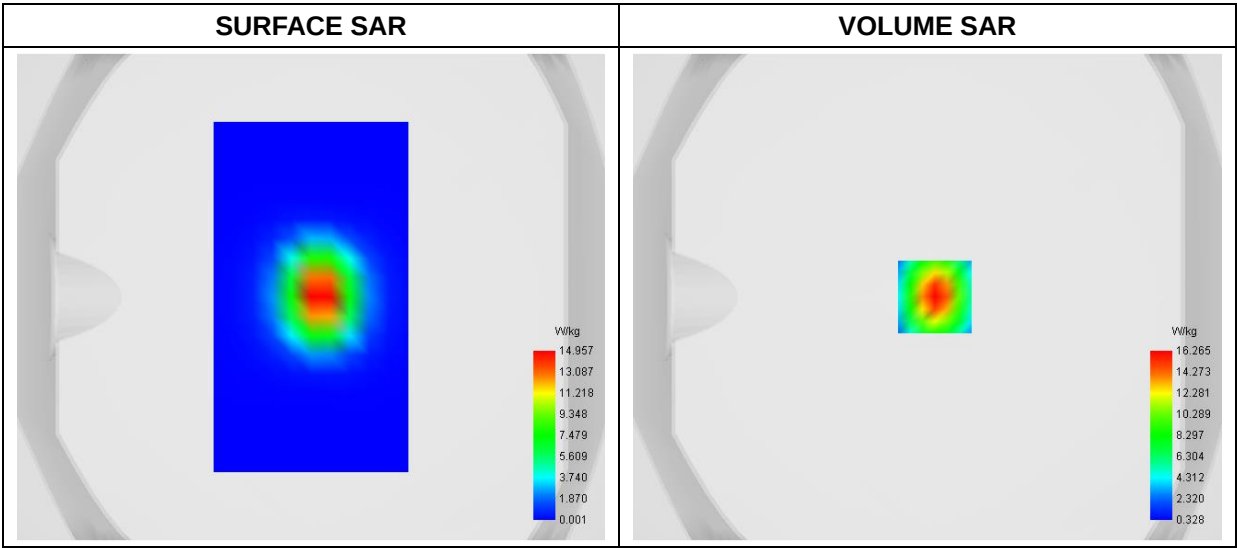
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Signal	CW (Crest factor: 1.0)

B. SAR Measurement Results

Frequency (MHz)	2600.000000
Relative Permittivity (real part)	39.844541
Conductivity (S/m)	1.934247
Power Variation (%)	1.344700
Ambient Temperature	22.4
Liquid Temperature	22.4

C. SAR Surface and Volume



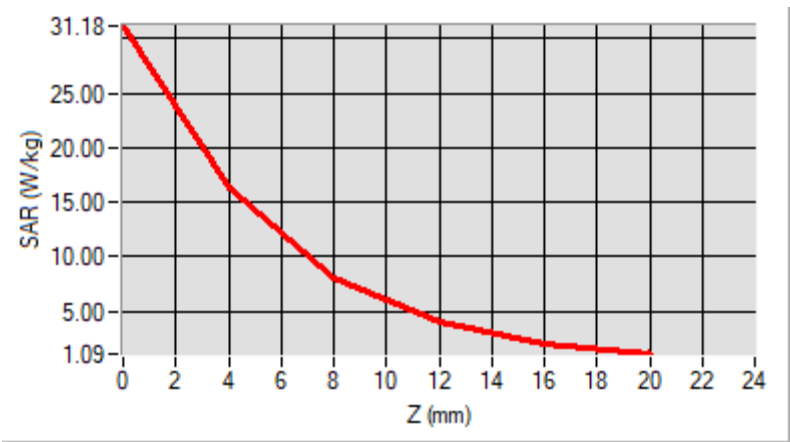
Maximum location: X=3.00, Y=0.00

D. SAR 1g & 10g

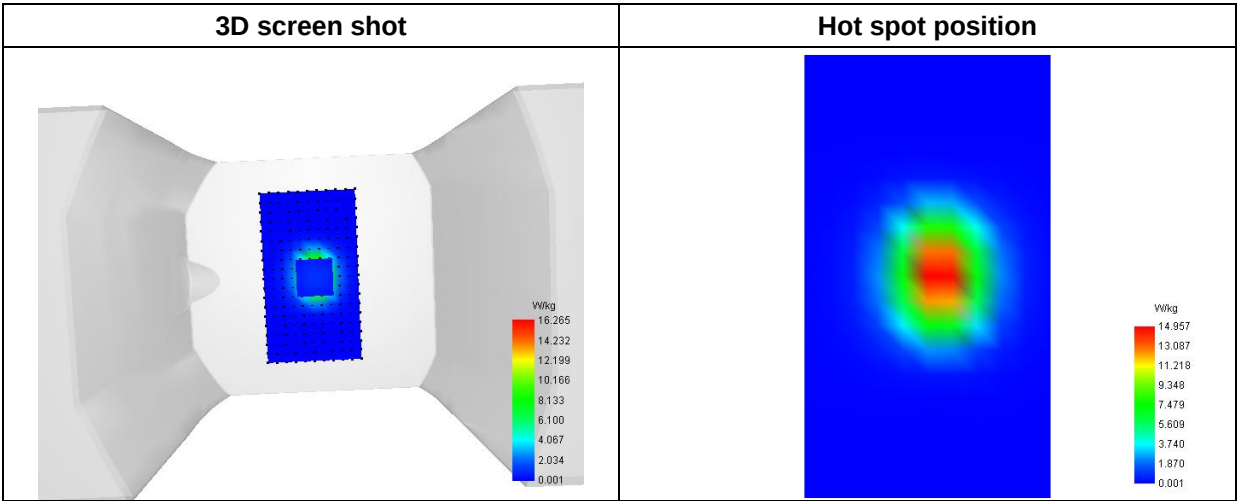
SAR 10g (W/Kg)	6.553727
SAR 1g (W/Kg)	14.814545

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	31.1802	16.2650	8.0339	3.9472	2.0732



F. 3D Image



MEASUREMENT 6

Type: Validation measurement (Fast, 75.00 %)
Date of measurement: 2025-05-28
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.56; Calibrated: 2025-02-12

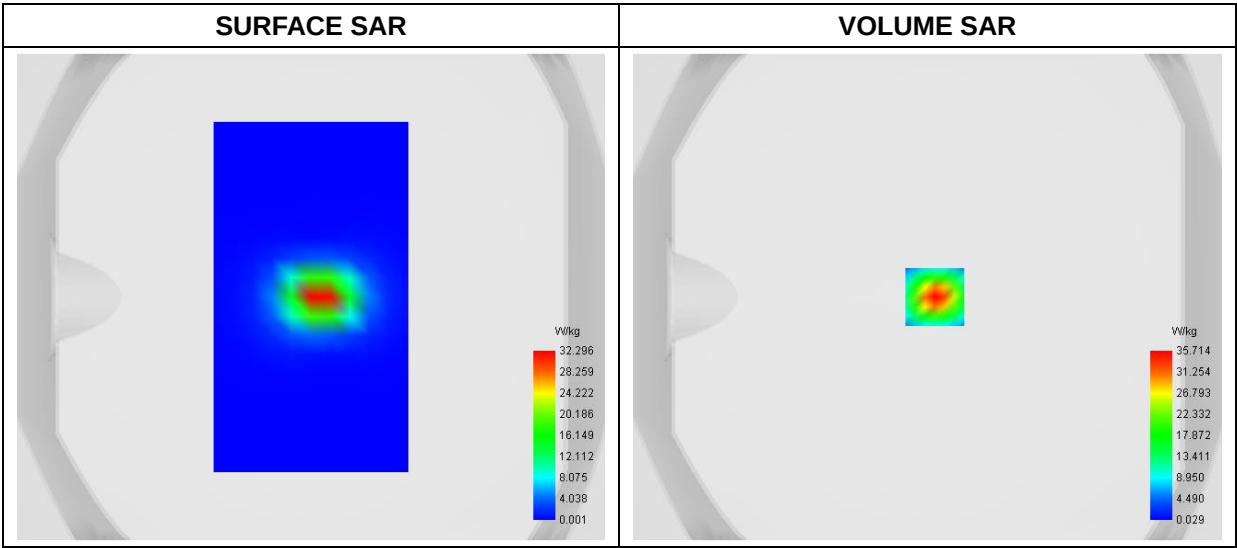
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Signal	CW (Crest factor: 1.0)

B. SAR Measurement Results

Frequency (MHz)	5200.000000
Relative Permittivity (real part)	37.153547
Conductivity (S/m)	4.624614
Power Variation (%)	2.348100
Ambient Temperature	22.3
Liquid Temperature	22.3

C. SAR Surface and Volume

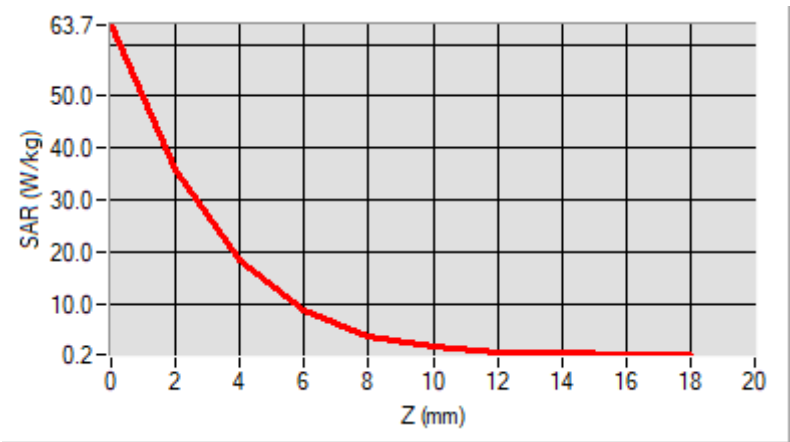


Maximum location: X=3.00, Y=0.00
D. SAR 1g & 10g

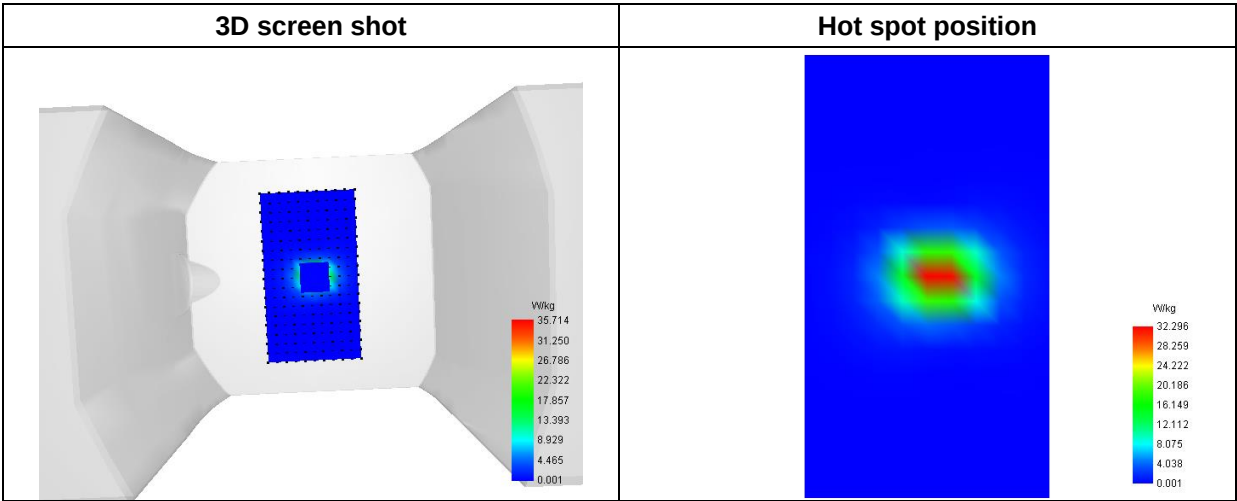
SAR 10g (W/Kg)	5.214336
SAR 1g (W/Kg)	18.566732

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	63.694	35.714	18.361	8.6368	3.8326	1.6405	0.7180	0.3557	0.2183
	0	3	9						



F. 3D Image



MEASUREMENT 7

Type: Validation measurement (Fast, 75.00 %)
Date of measurement: 2025-05-28
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.58; Calibrated: 2025-02-12

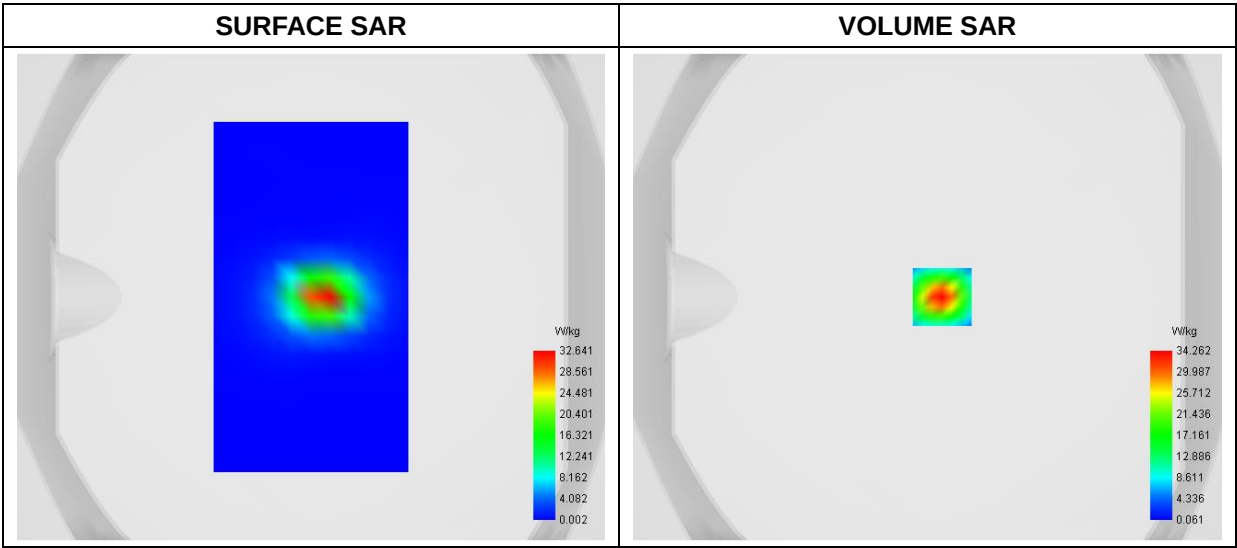
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Signal	CW (Crest factor: 1.0)

B. SAR Measurement Results

Frequency (MHz)	5800.000000
Relative Permittivity (real part)	36.213471
Conductivity (S/m)	5.244958
Power Variation (%)	-1.437500
Ambient Temperature	22.3
Liquid Temperature	22.3

C. SAR Surface and Volume

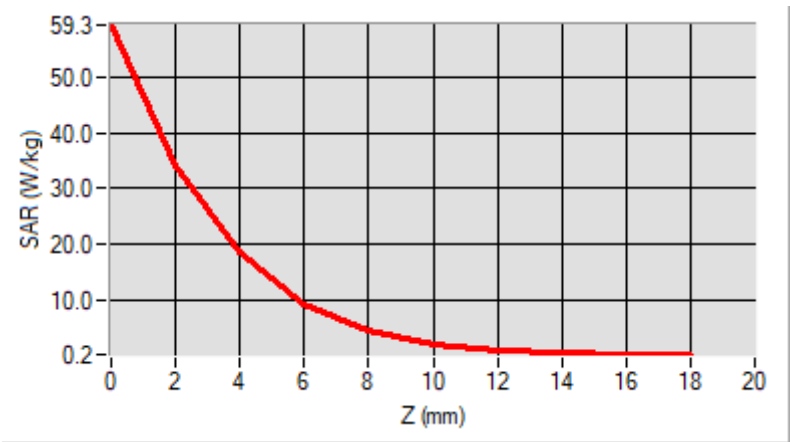


Maximum location: X=6.00, Y=0.00
D. SAR 1g & 10g

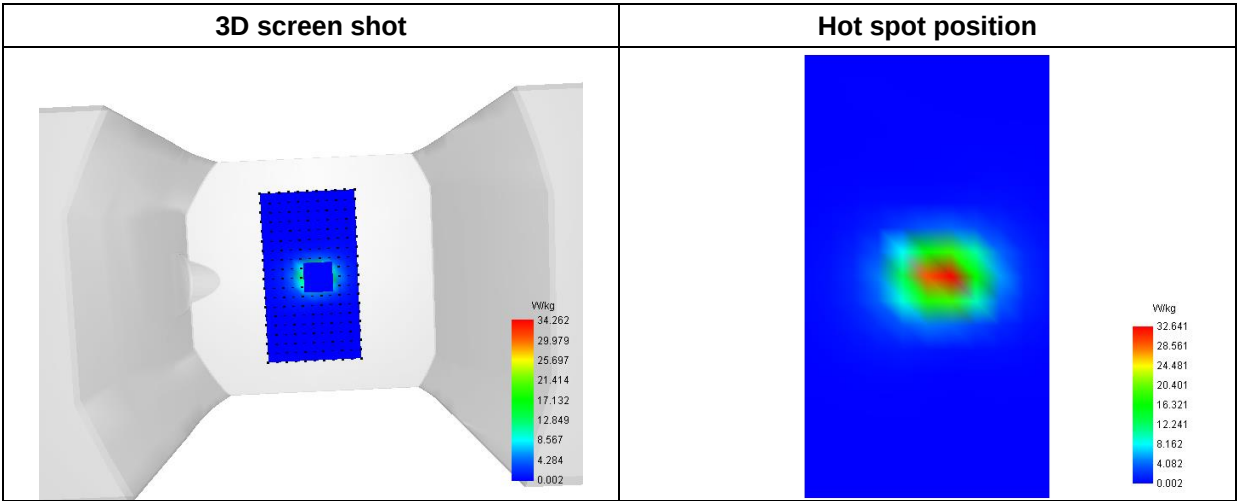
SAR 10g (W/Kg)	5.385932
SAR 1g (W/Kg)	18.087402

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	59.320	34.261	18.434	9.2545	4.4822	2.1439	1.0586	0.5728	0.3524
	3	7	7						



F. 3D Image



Annex B. Plots of SAR Measurement

MEASUREMENT 1

Type: Measurement (Complete)
Date of measurement: 2025-05-20
Measurement duration: 11 minutes 48 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 0.99; Calibrated: 2025-02-12

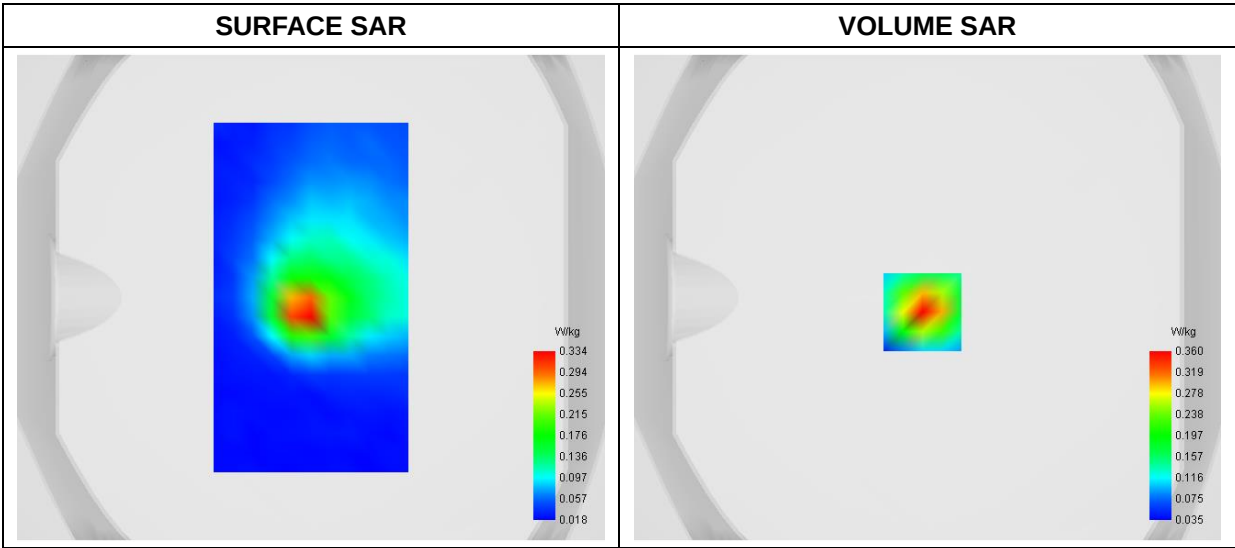
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat Plane
Device Position	Back
Band	GSM850
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

B. SAR Measurement Results

Frequency (MHz)	836.600000
Relative Permittivity (real part)	41.962458
Conductivity (S/m)	0.911245
Power Variation (%)	1.074536
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



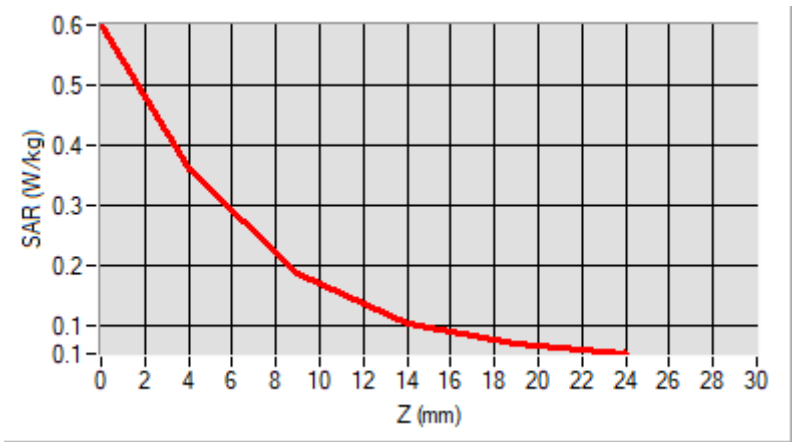
Maximum location: X=-2.00, Y=-6.00

D. SAR 1g & 10g

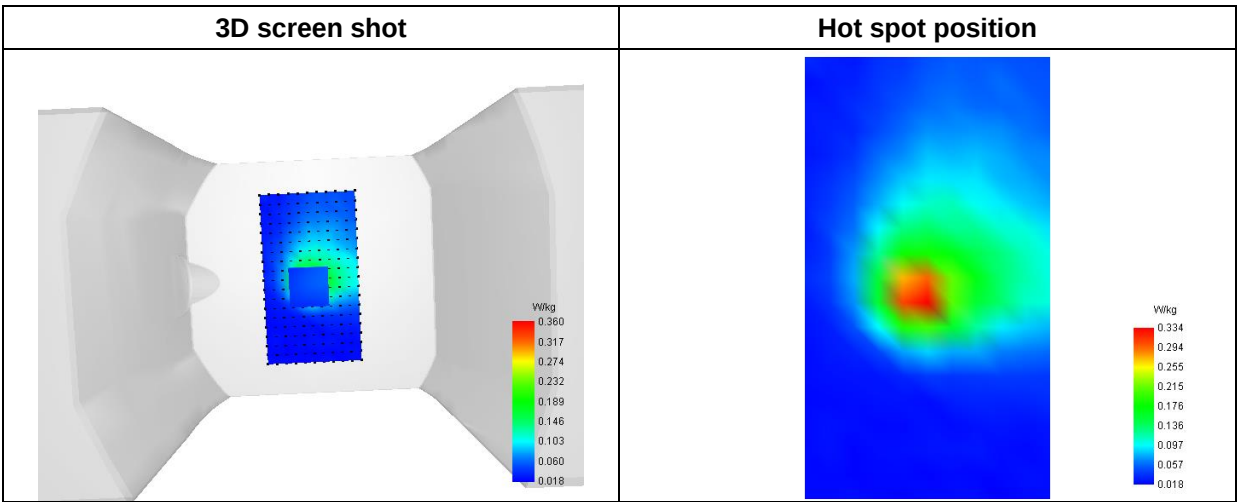
SAR 10g (W/Kg)	0.175870
SAR 1g (W/Kg)	0.332445

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5981	0.3598	0.1881	0.1061	0.0717



F. 3D Image



MEASUREMENT 2

Type: Measurement (Complete)
Date of measurement: 2025-05-20
Measurement duration: 11 minutes 48 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 0.99; Calibrated: 2025-02-12

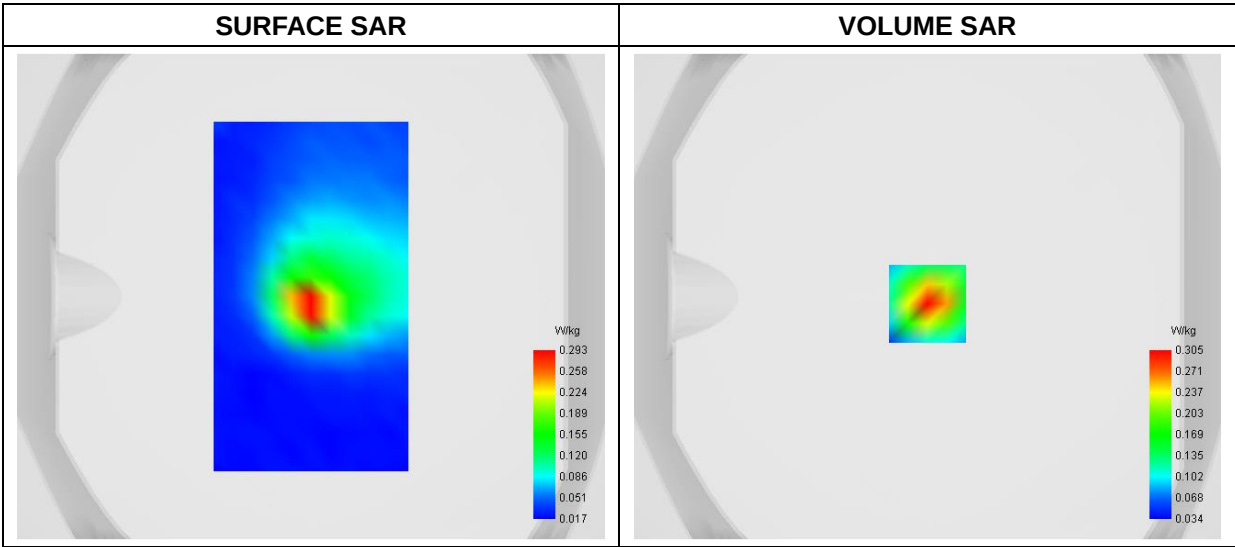
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	GPRS850_4TX
Channels	Low
Signal	Duty Cycle: 1:2

B. SAR Measurement Results

Frequency (MHz)	824.200000
Relative Permittivity (real part)	41.962468
Conductivity (S/m)	0.911369
Power Variation (%)	-0.152700
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



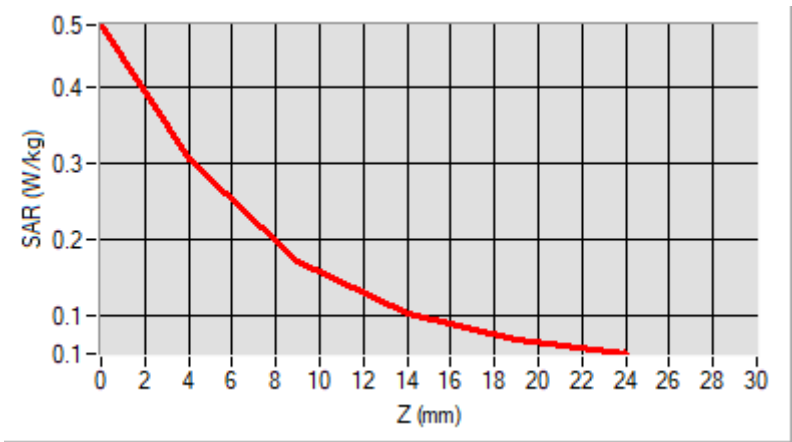
Maximum location: X=0.00, Y=-3.00

D. SAR 1g & 10g

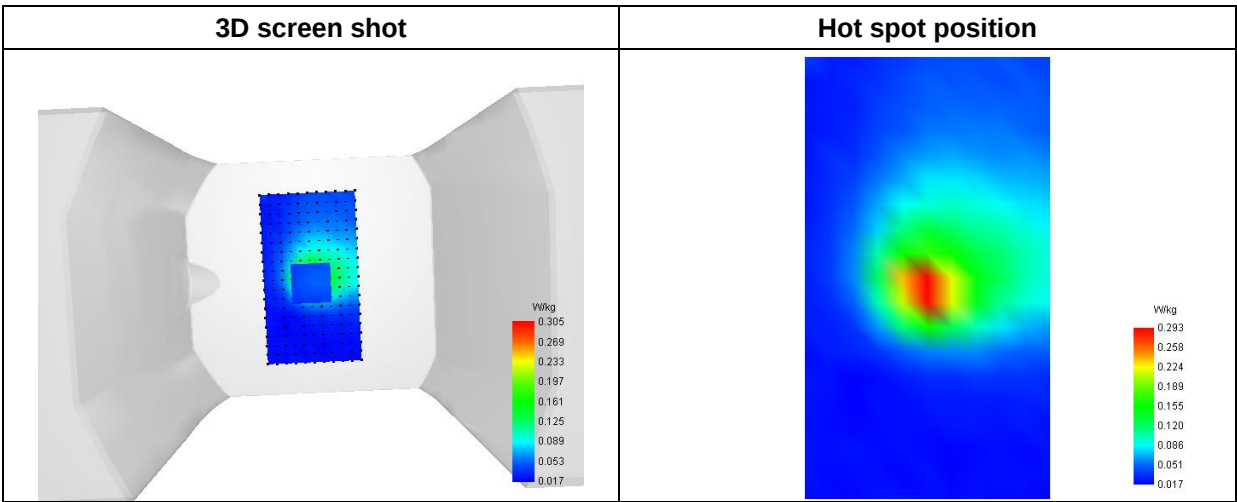
SAR 10g (W/Kg)	0.152333
SAR 1g (W/Kg)	0.281235

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4809	0.3050	0.1716	0.1023	0.0693



F. 3D Image



MEASUREMENT 3

Type: Measurement (Complete)
Date of measurement: 2025-06-05
Measurement duration: 11 minutes 48 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.23; Calibrated: 2025-02-12

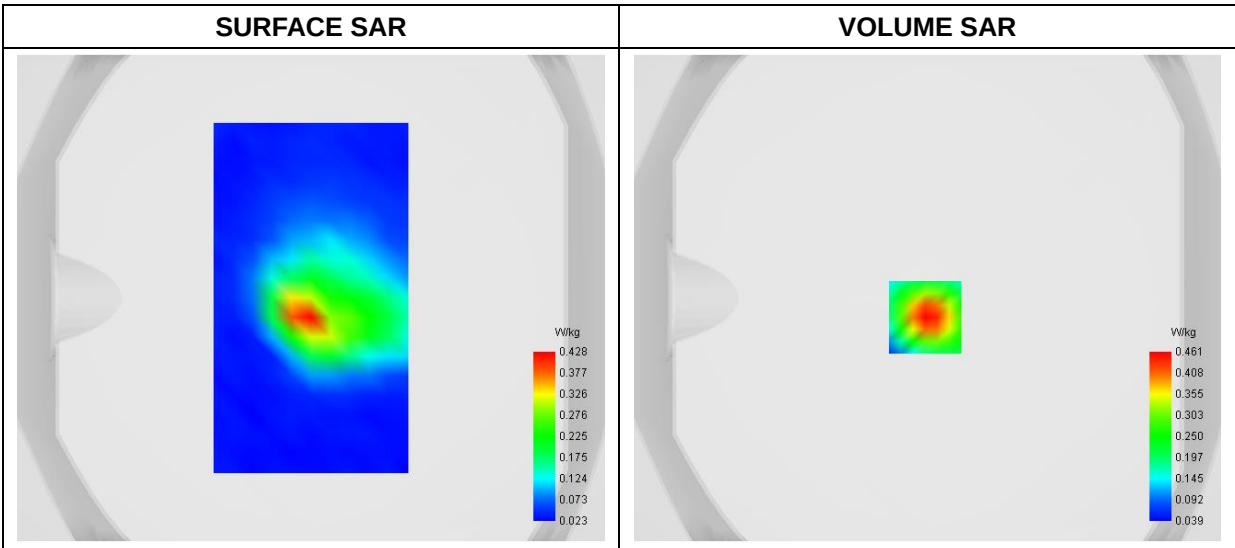
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat Plane
Device Position	Back
Band	GSM1900
Channels	High
Signal	TDMA (Crest factor: 8.0)

B. SAR Measurement Results

Frequency (MHz)	1909.800000
Relative Permittivity (real part)	39.112457
Conductivity (S/m)	1.412124
Power Variation (%)	1.075300
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



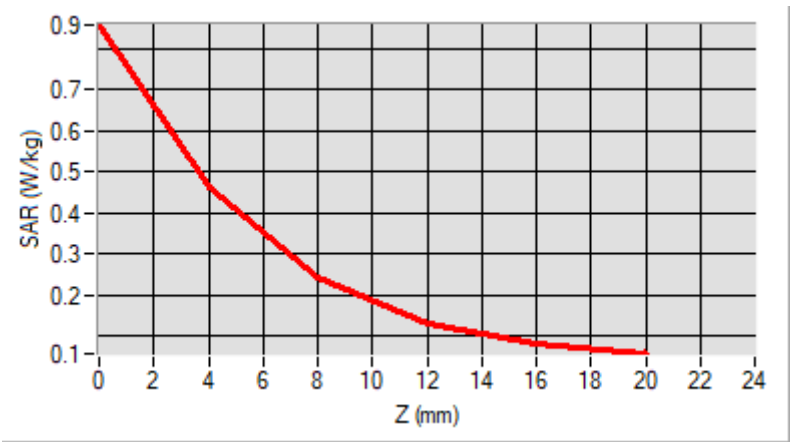
Maximum location: X=-1.00, Y=-8.00

D. SAR 1g & 10g

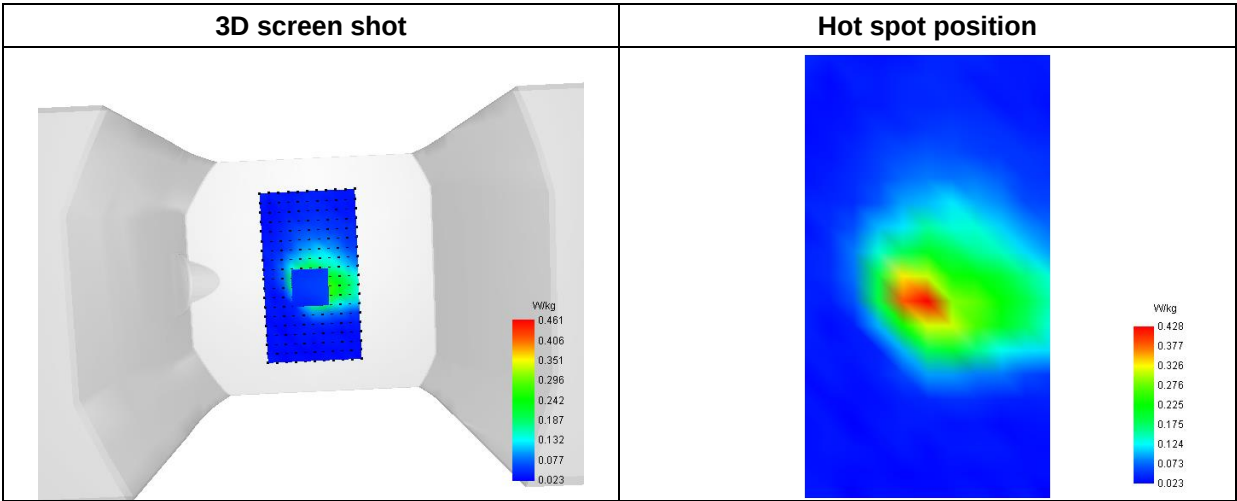
SAR 10g (W/Kg)	0.210092
SAR 1g (W/Kg)	0.424929

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.8573	0.4605	0.2409	0.1323	0.0833



F. 3D Image



MEASUREMENT 4

Type: Measurement (Complete)
Date of measurement: 2025-06-05
Measurement duration: 11 minutes 48 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.23; Calibrated: 2025-02-12

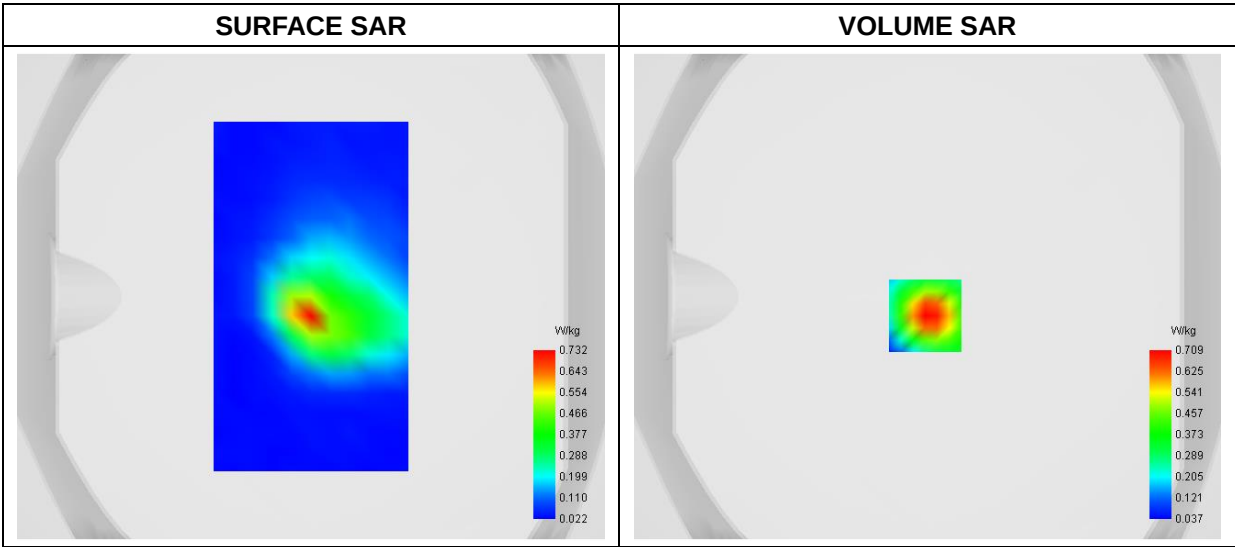
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	GPRS1900_4TX
Channels	High
Signal	Duty Cycle: 1:2

B. SAR Measurement Results

Frequency (MHz)	1909.800000
Relative Permittivity (real part)	39.112457
Conductivity (S/m)	1.412124
Power Variation (%)	-0.152700
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume

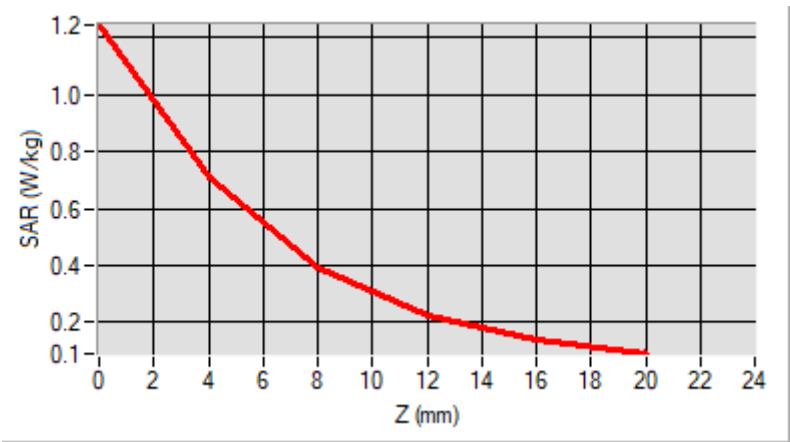


Maximum location: X=-1.00, Y=-8.00
D. SAR 1g & 10g

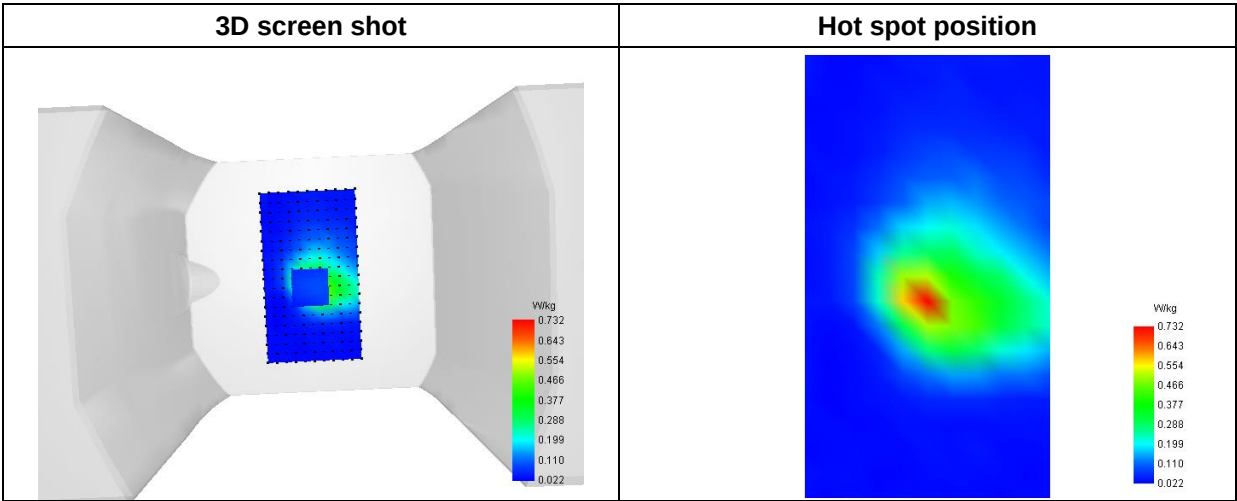
SAR 10g (W/Kg)	0.321741
SAR 1g (W/Kg)	0.652005

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.2454	0.7087	0.3947	0.2262	0.1408



F. 3D Image



MEASUREMENT 5

Type: Measurement (Complete)
Date of measurement: 2025-06-05
Measurement duration: 11 minutes 48 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.23; Calibrated: 2025-02-12

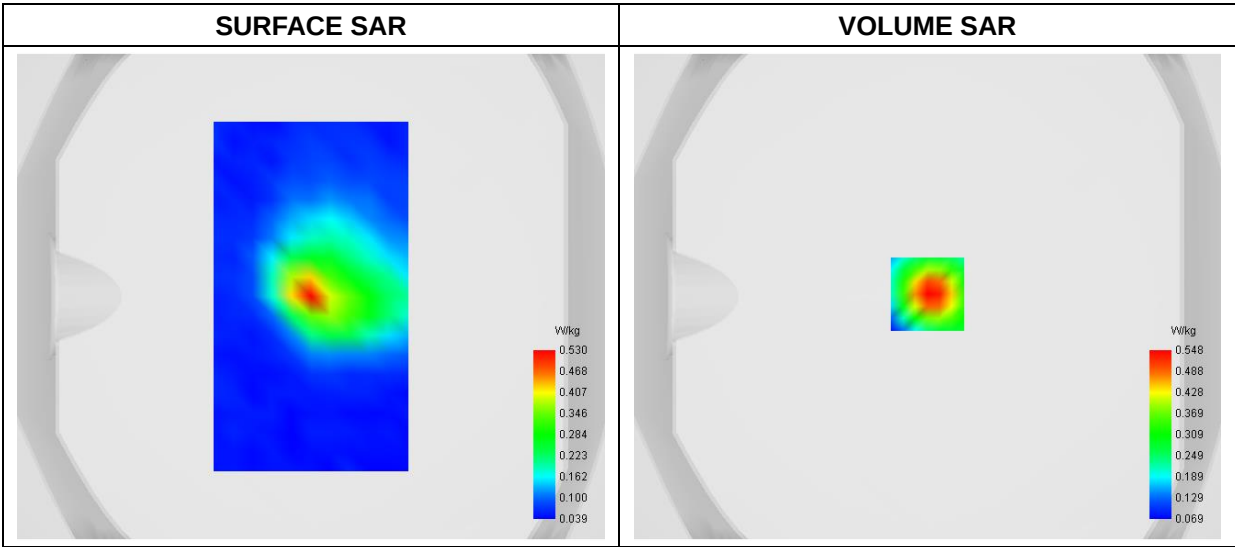
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	WCDMA1900_RMC
Channels	High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	1907.600000
Relative Permittivity (real part)	39.112451
Conductivity (S/m)	1.412121
Power Variation (%)	0.823700
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



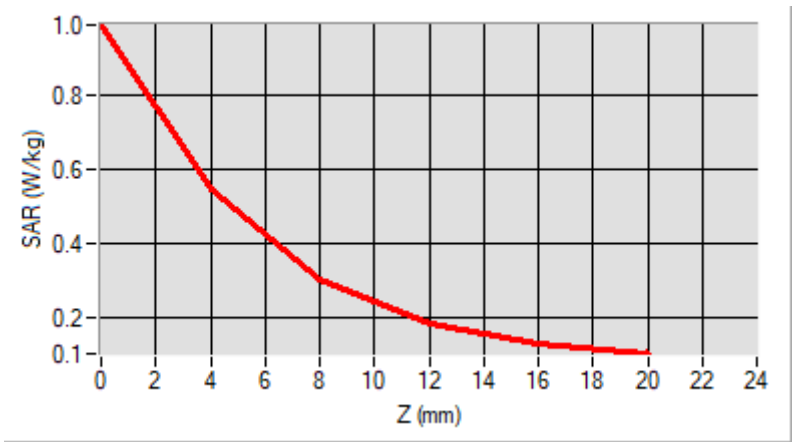
Maximum location: X=0.00, Y=1.00

D. SAR 1g & 10g

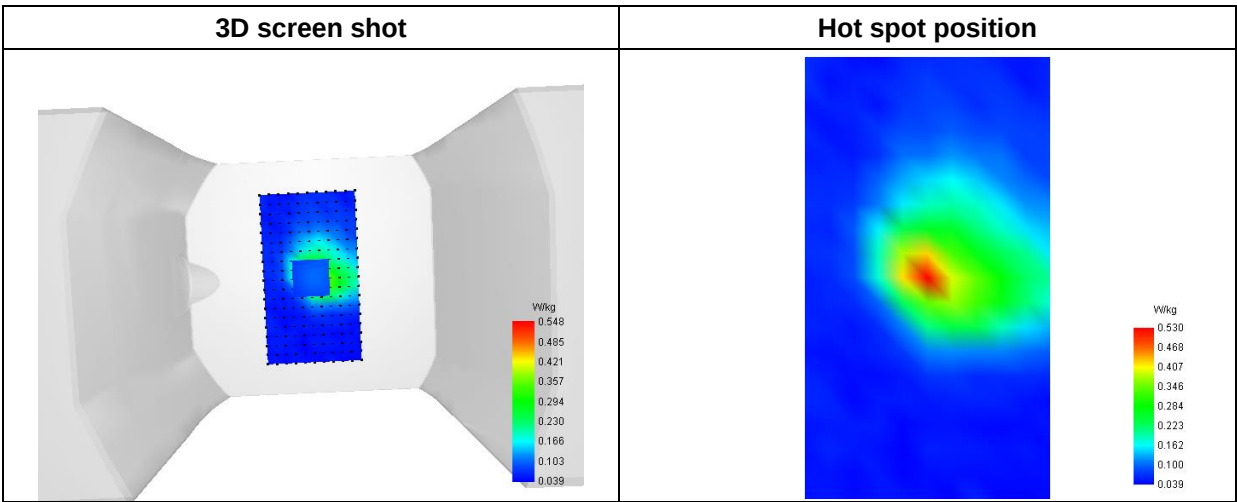
SAR 10g (W/Kg)	0.268136
SAR 1g (W/Kg)	0.509363

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.9862	0.5483	0.3040	0.1835	0.1311



F. 3D Image



MEASUREMENT 6

Type: Measurement (Complete)
Date of measurement: 2025-05-20
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 0.99; Calibrated: 2025-02-12

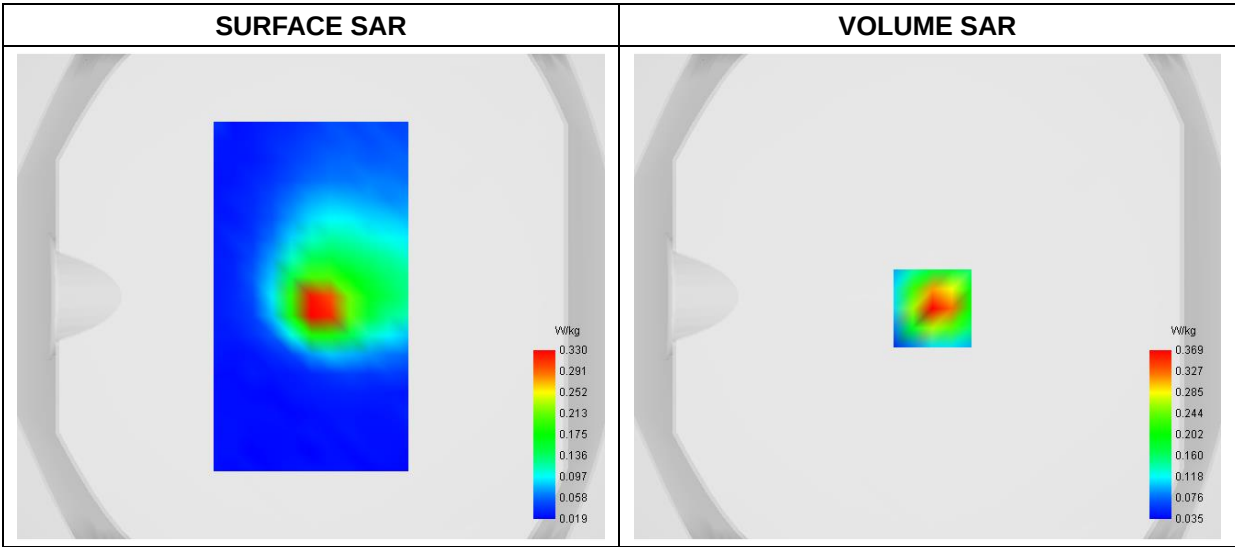
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat Plane
Device Position	Back
Band	WCDMA850_RMC
Channels	High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	846.600000
Relative Permittivity (real part)	41.962759
Conductivity (S/m)	0.911409
Power Variation (%)	-1.201700
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



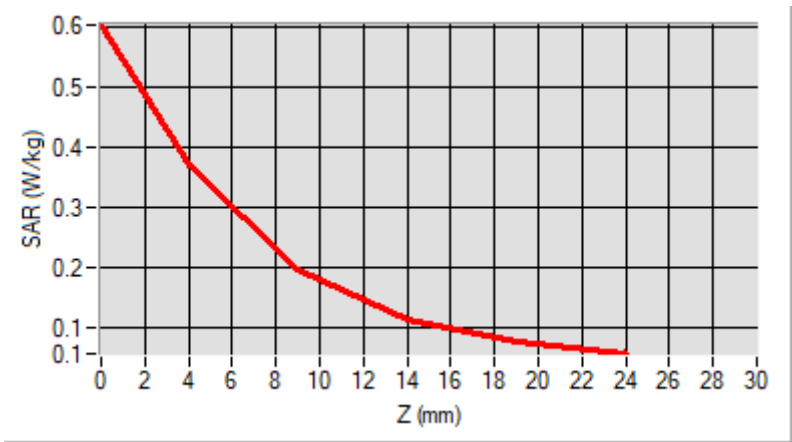
Maximum location: X=2.00, Y=-5.00

D. SAR 1g & 10g

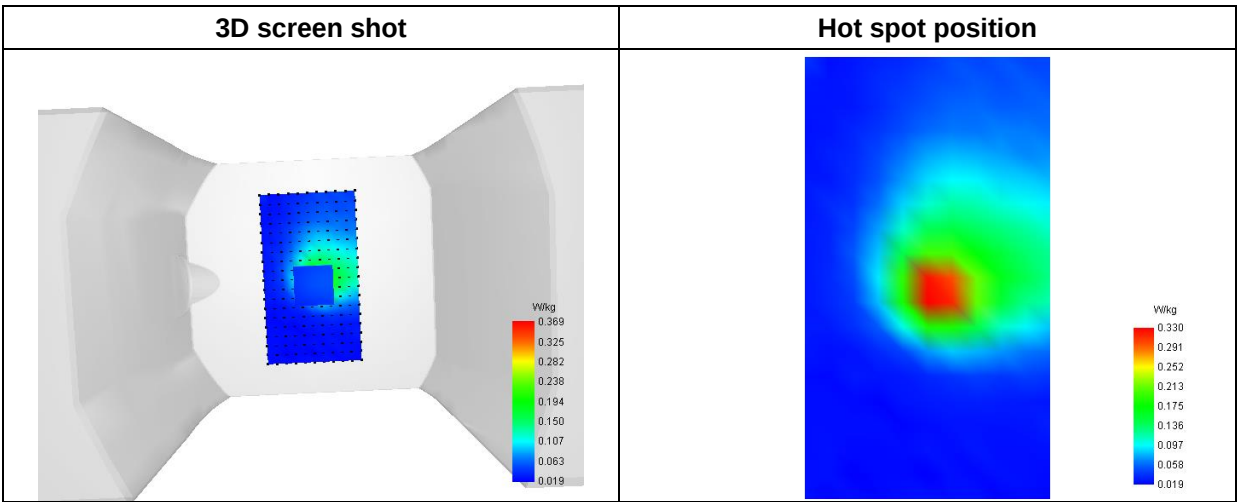
SAR 10g (W/Kg)	0.181741
SAR 1g (W/Kg)	0.344416

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6037	0.3690	0.1969	0.1122	0.0747



F. 3D Image



MEASUREMENT 7

Type: Measurement (Complete)
Date of measurement: 2025-06-05
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.23; Calibrated: 2025-02-12

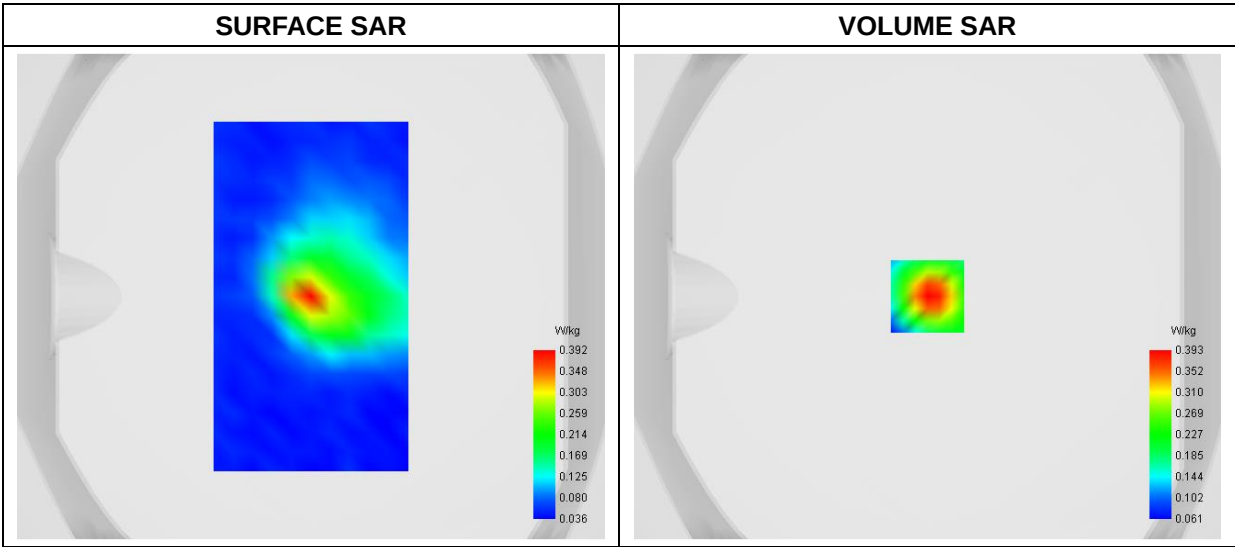
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 2
Channels	QPSK, 20MHz, 1RB, High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	1900.000000
Relative Permittivity (real part)	39.111712
Conductivity (S/m)	1.411369
Power Variation (%)	-1.342700
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



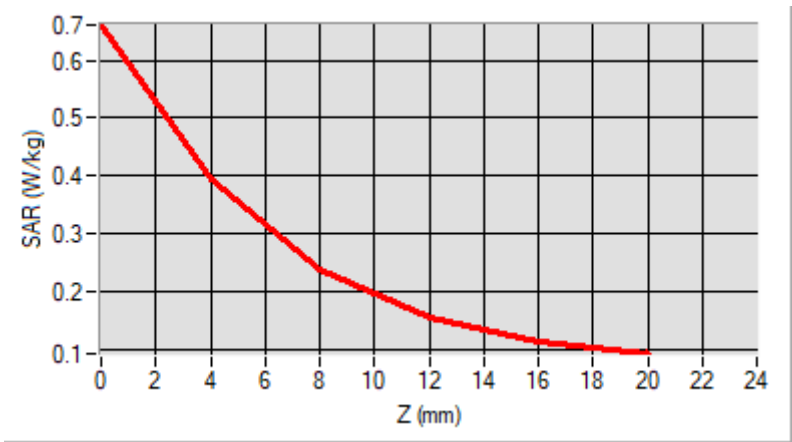
Maximum location: X=0.00, Y=0.00

D. SAR 1g & 10g

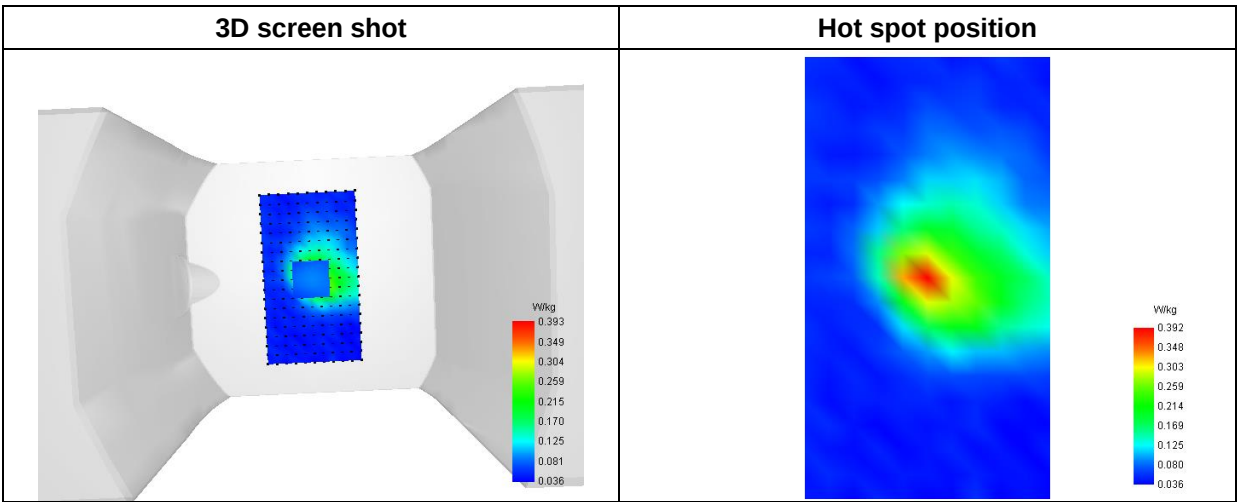
SAR 10g (W/Kg)	0.203468
SAR 1g (W/Kg)	0.364595

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.6613	0.3933	0.2362	0.1535	0.1140



F. 3D Image



MEASUREMENT 8

Type: Measurement (Complete)
Date of measurement: 2025-05-20
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 0.99; Calibrated: 2025-02-12

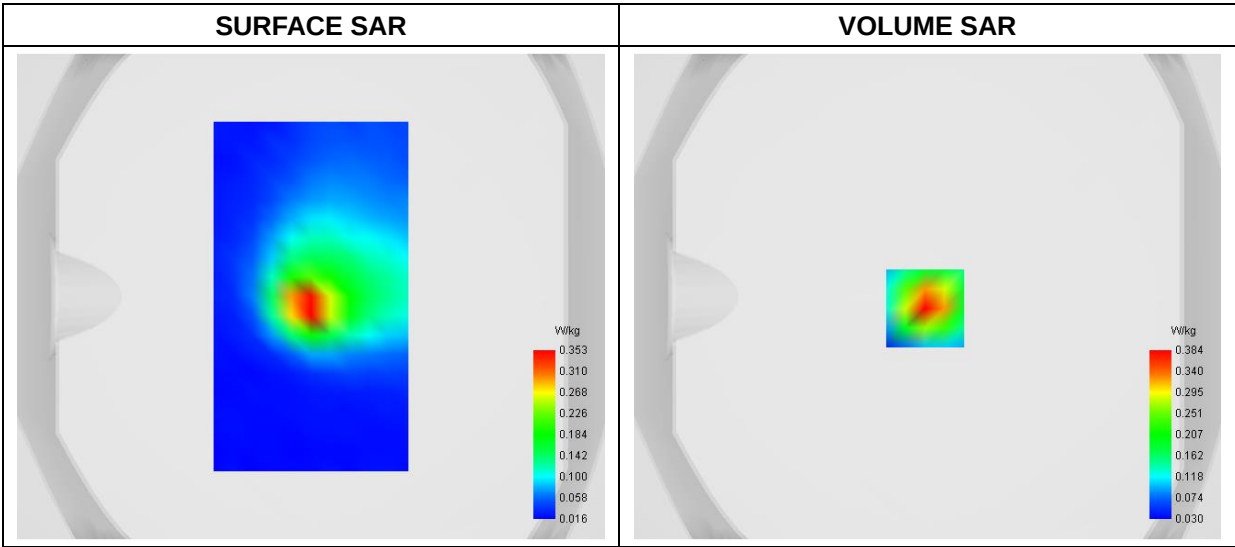
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 5
Channels	QPSK, 5MHz, 1RB, High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	846.500000
Relative Permittivity (real part)	41.962459
Conductivity (S/m)	0.911245
Power Variation (%)	-2.731700
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



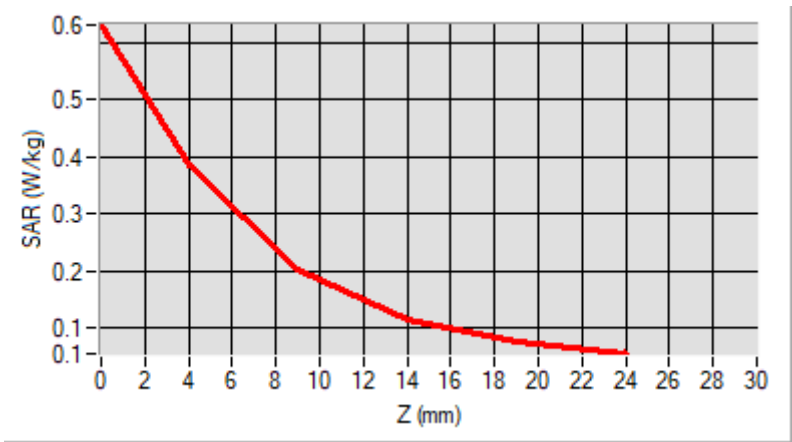
Maximum location: X=-1.00, Y=-5.00

D. SAR 1g & 10g

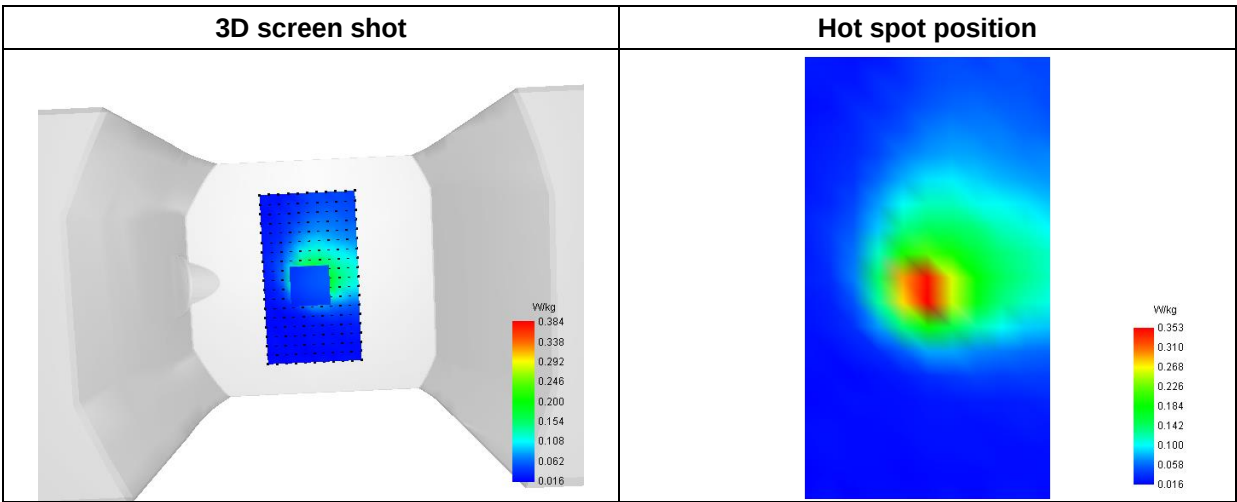
SAR 10g (W/Kg)	0.185772
SAR 1g (W/Kg)	0.355691

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6318	0.3838	0.2026	0.1137	0.0744



F. 3D Image



MEASUREMENT 9

Type: Measurement (Complete)
Date of measurement: 2025-06-06
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.36; Calibrated: 2025-02-12

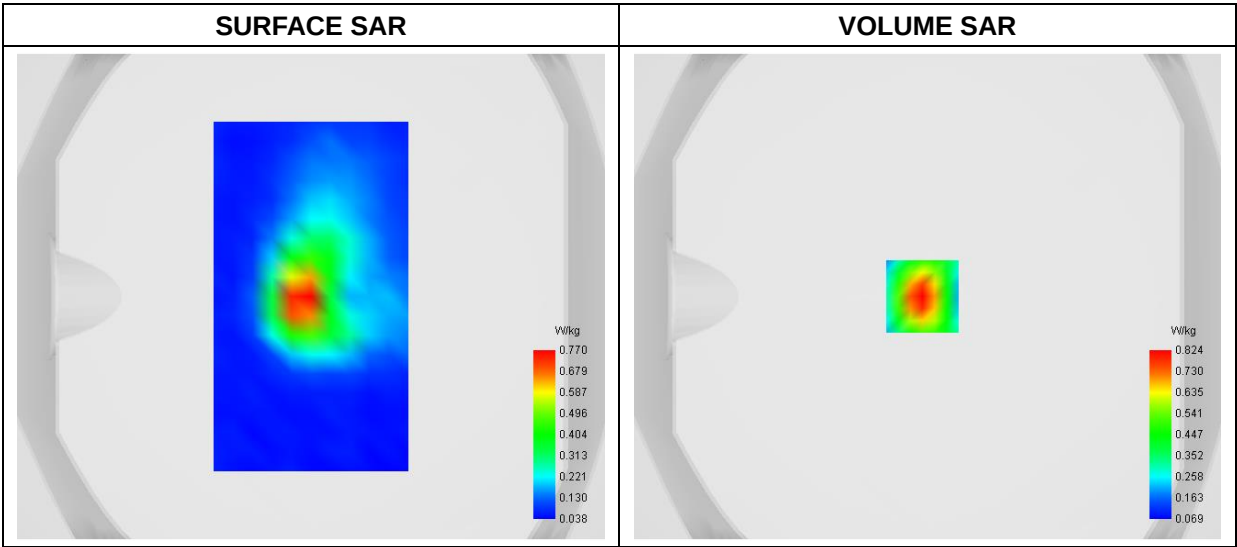
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 7
Channels	QPSK, 20MHz, 1RB, Low
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2510.000000
Relative Permittivity (real part)	39.842416
Conductivity (S/m)	1.931718
Power Variation (%)	-0.717800
Ambient Temperature	22.4
Liquid Temperature	22.4

C. SAR Surface and Volume



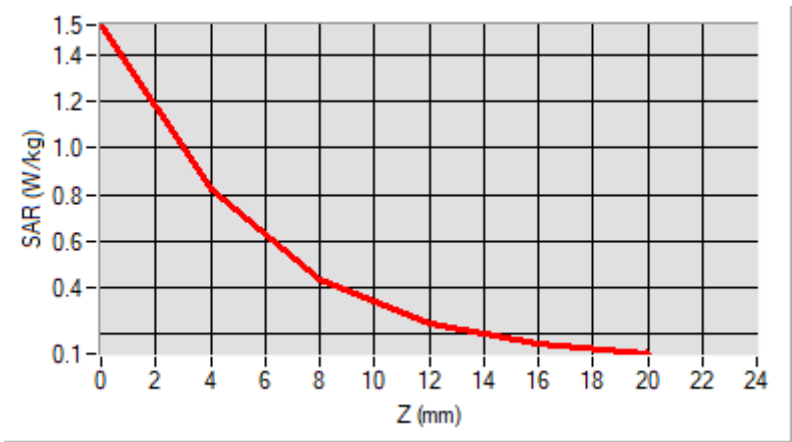
Maximum location: X=-2.00, Y=0.00

D. SAR 1g & 10g

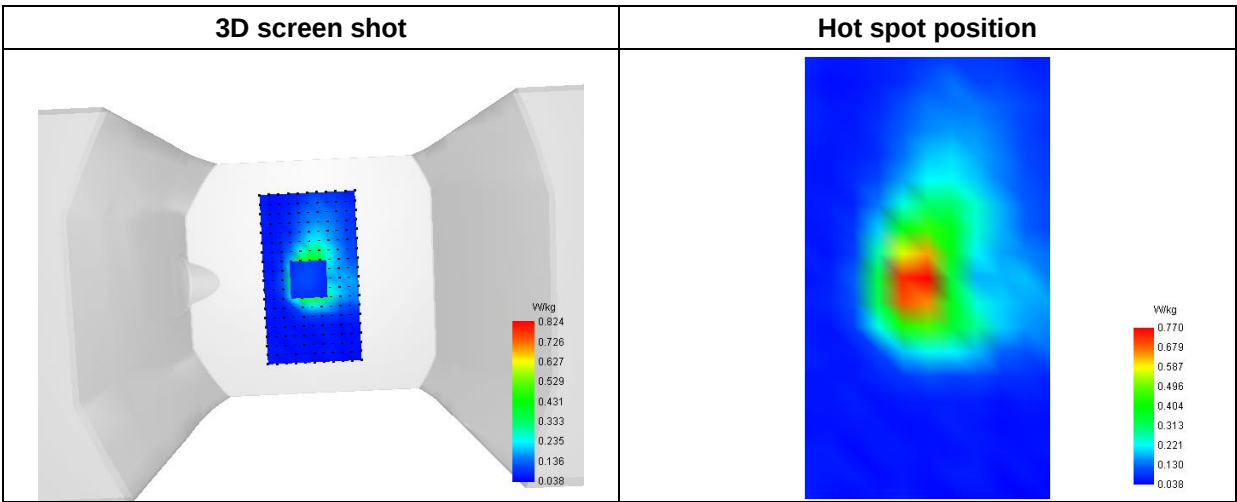
SAR 10g (W/Kg)	0.369210
SAR 1g (W/Kg)	0.751347

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.5290	0.8239	0.4348	0.2438	0.1592



F. 3D Image



MEASUREMENT 10

Type: Measurement (Complete)
Date of measurement: 2025-06-06
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.36; Calibrated: 2025-02-12

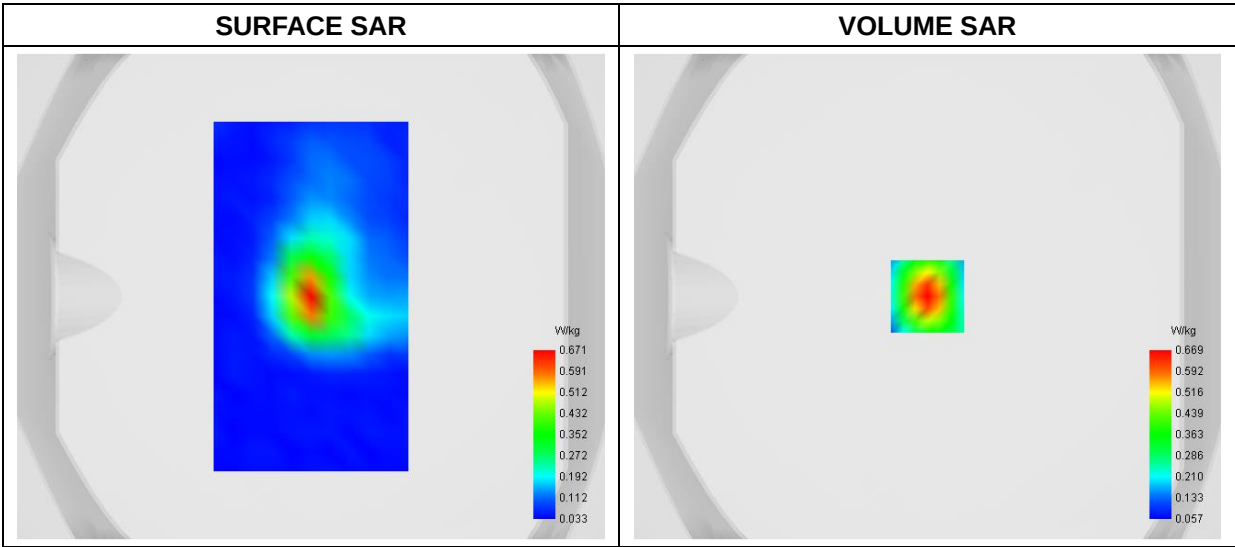
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 38
Channels	QPSK, 20MHz, 1RB, Low
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2580.000000
Relative Permittivity (real part)	39.844246
Conductivity (S/m)	1.933696
Power Variation (%)	-1.053700
Ambient Temperature	22.4
Liquid Temperature	22.4

C. SAR Surface and Volume



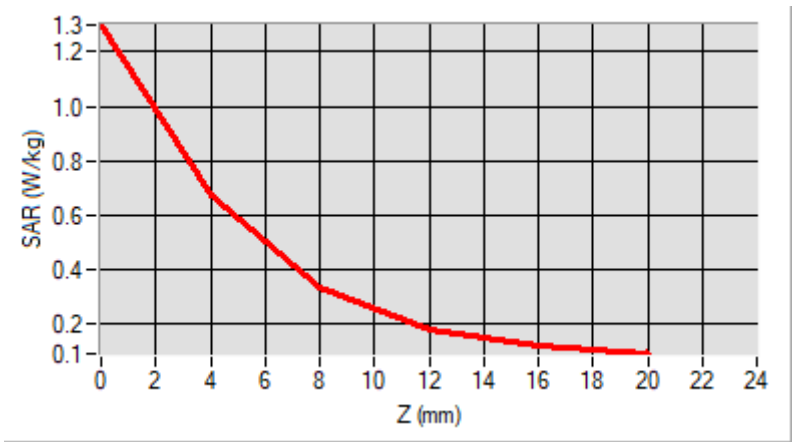
Maximum location: X=0.00, Y=0.00

D. SAR 1g & 10g

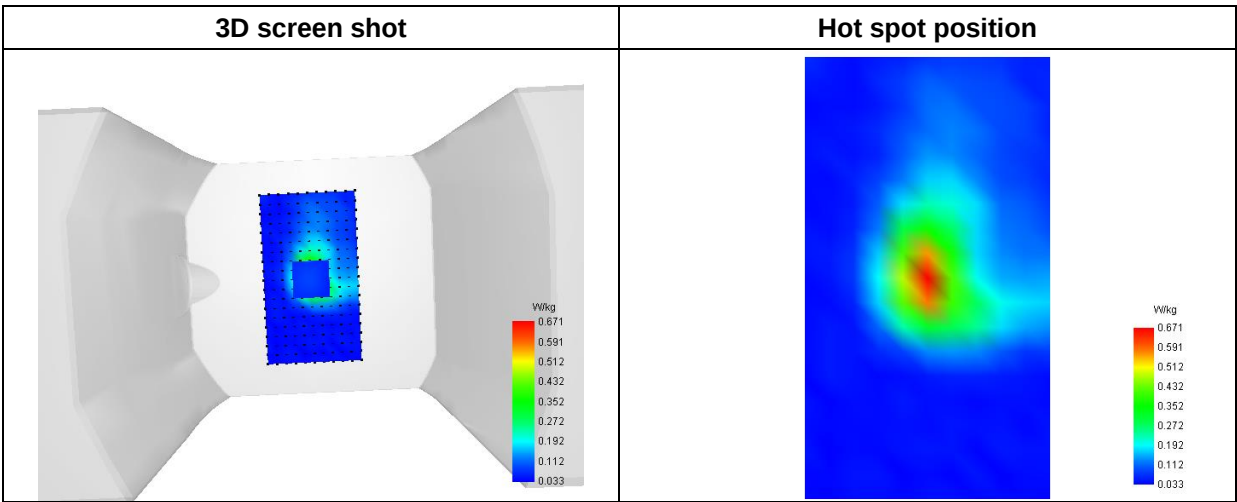
SAR 10g (W/Kg)	0.293912
SAR 1g (W/Kg)	0.612474

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.2986	0.6687	0.3346	0.1803	0.1184



F. 3D Image



MEASUREMENT 11

Type: Measurement (Complete)
Date of measurement: 2025-05-22
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.44; Calibrated: 2025-02-12

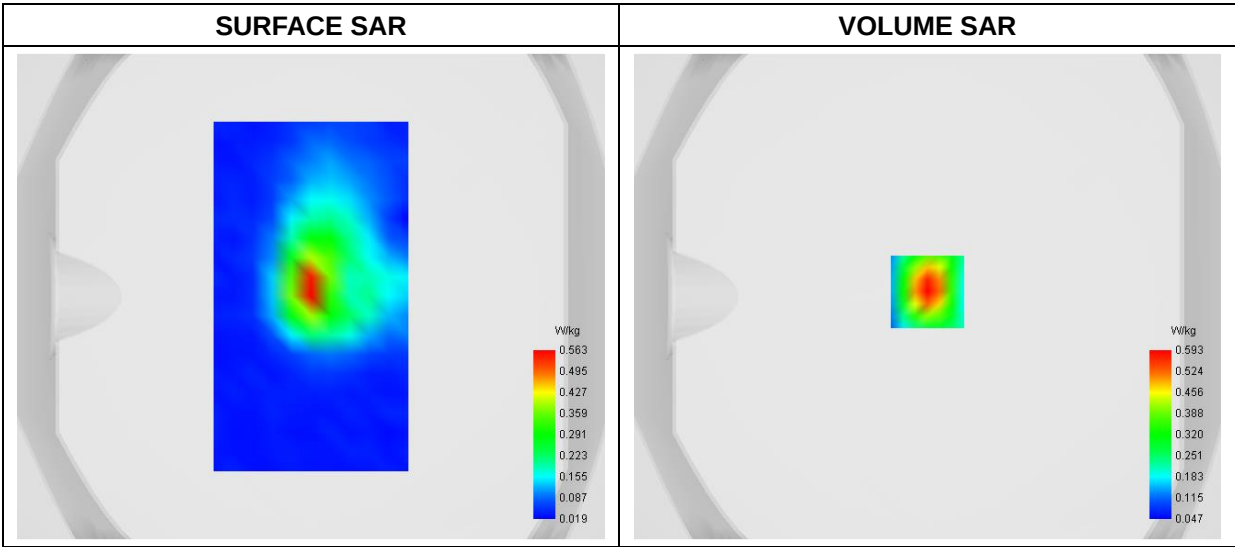
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 40(2305-2315MHz)
Channels	QPSK, 10MHz, 1RB, Low
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2310.000000
Relative Permittivity (real part)	41.033768
Conductivity (S/m)	1.713696
Power Variation (%)	-1.053700
Ambient Temperature	22.4
Liquid Temperature	22.4

C. SAR Surface and Volume



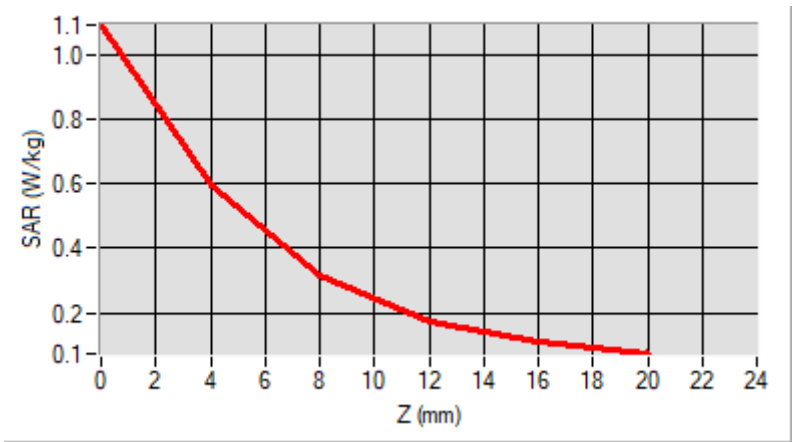
Maximum location: X=0.00, Y=2.00

D. SAR 1g & 10g

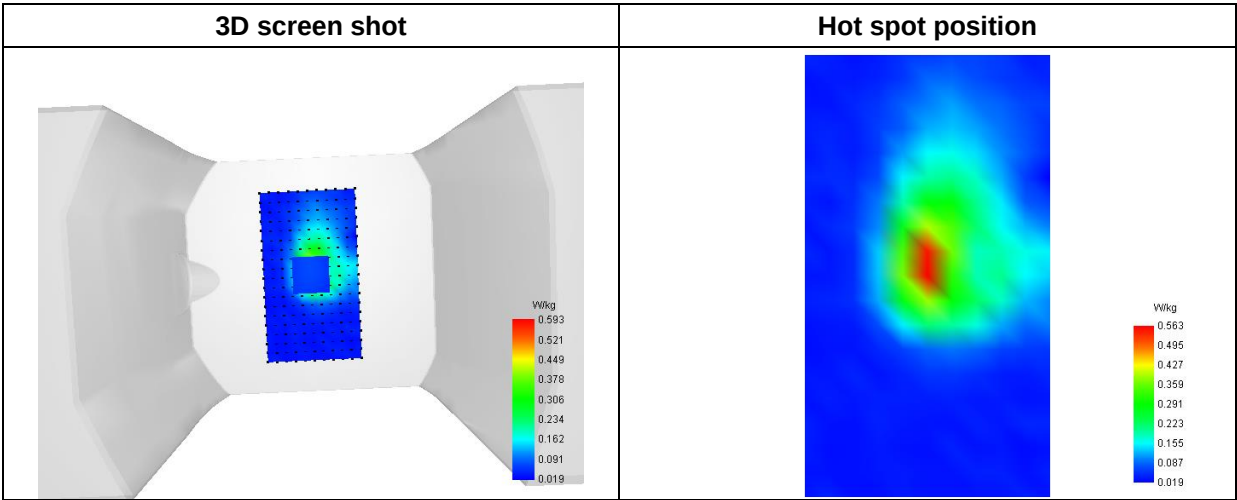
SAR 10g (W/Kg)	0.261470
SAR 1g (W/Kg)	0.540845

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.0904	0.5928	0.3142	0.1742	0.1094



F. 3D Image



MEASUREMENT 12

Type: Measurement (Complete)
Date of measurement: 2025-06-06
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.36; Calibrated: 2025-02-12

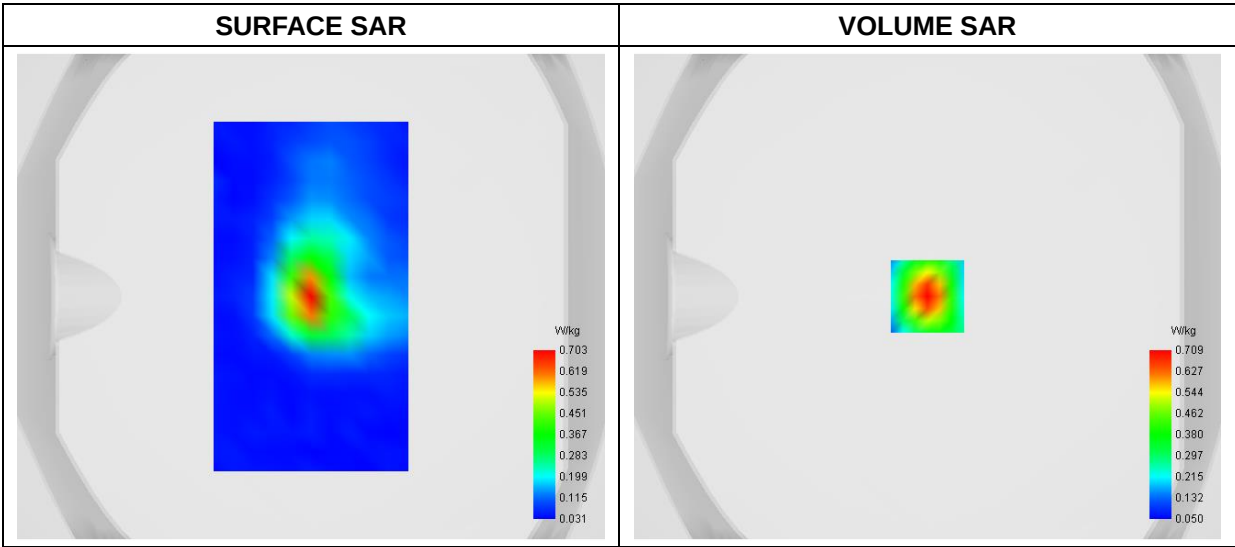
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 41(2555-2655MHz)
Channels	QPSK, 20MHz, 1RB, Middle
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2565.000000
Relative Permittivity (real part)	39.842416
Conductivity (S/m)	1.932369
Power Variation (%)	-2.053800
Ambient Temperature	22.4
Liquid Temperature	22.4

C. SAR Surface and Volume



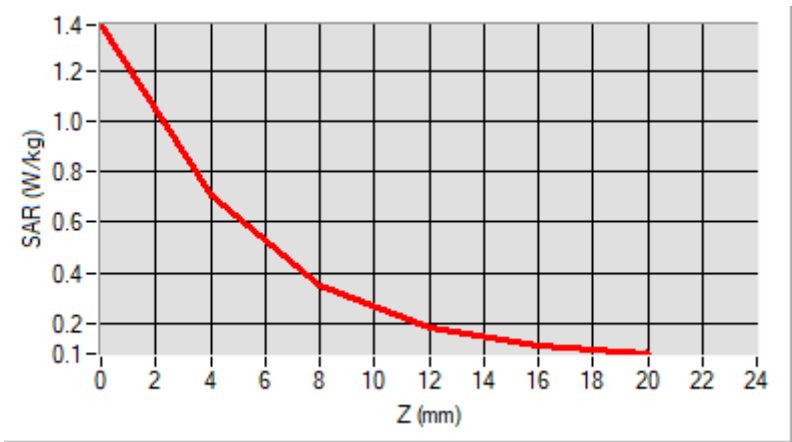
Maximum location: X=0.00, Y=0.00

D. SAR 1g & 10g

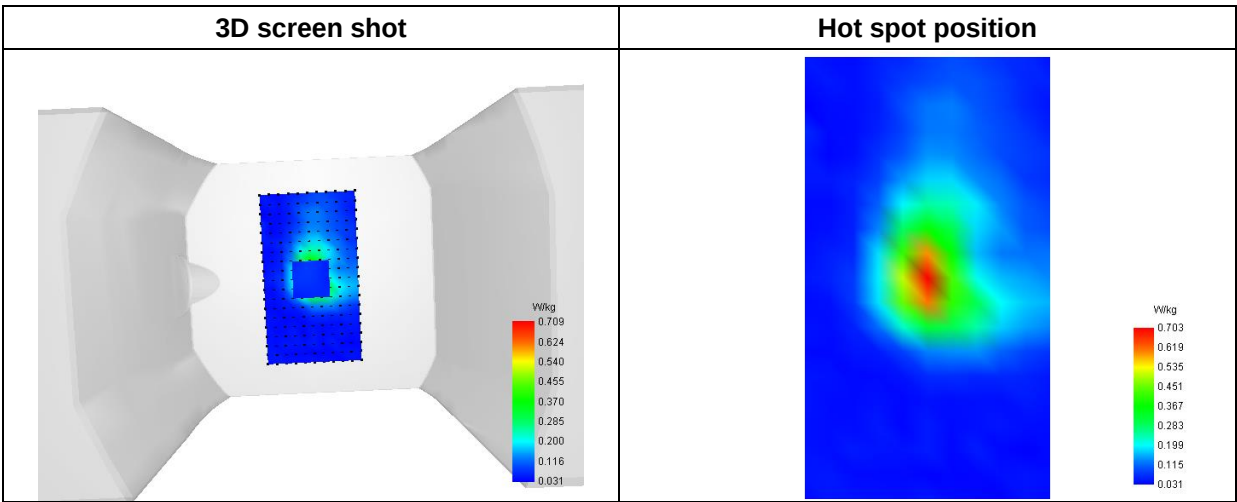
SAR 10g (W/Kg)	0.303551
SAR 1g (W/Kg)	0.647986

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.3835	0.7092	0.3498	0.1816	0.1115



F. 3D Image



MEASUREMENT 13

Type: Measurement (Complete)
Date of measurement: 2025-06-12
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.45; Calibrated: 2025-02-12

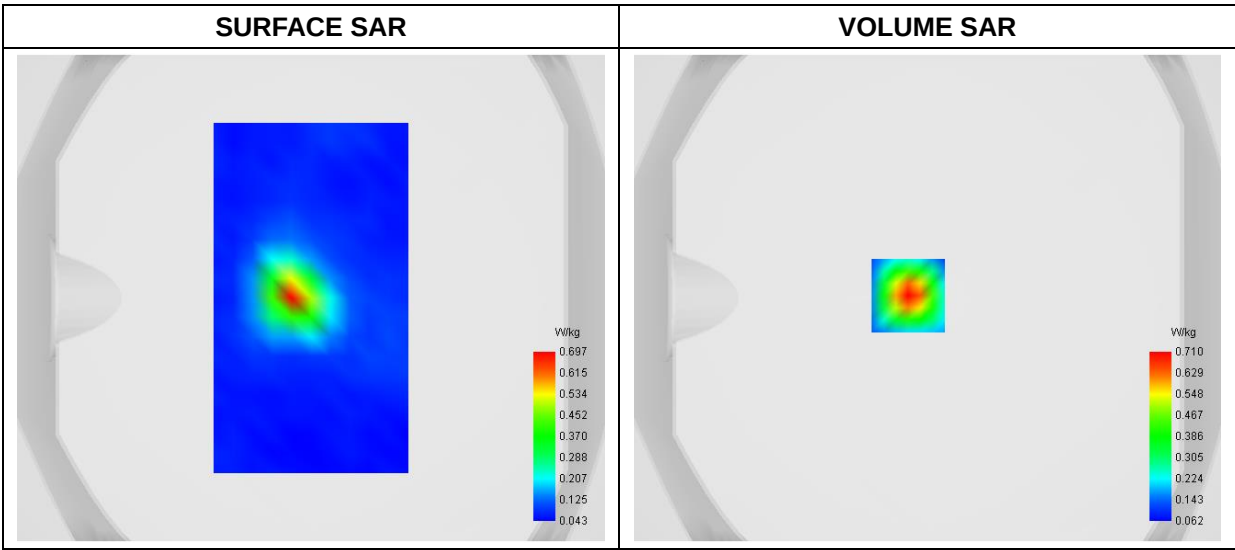
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	WiFi_802.11b
Channels	High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2462.000000
Relative Permittivity (real part)	38.682285
Conductivity (S/m)	1.824285
Power Variation (%)	-2.407100
Ambient Temperature	22.4
Liquid Temperature	22.4

C. SAR Surface and Volume



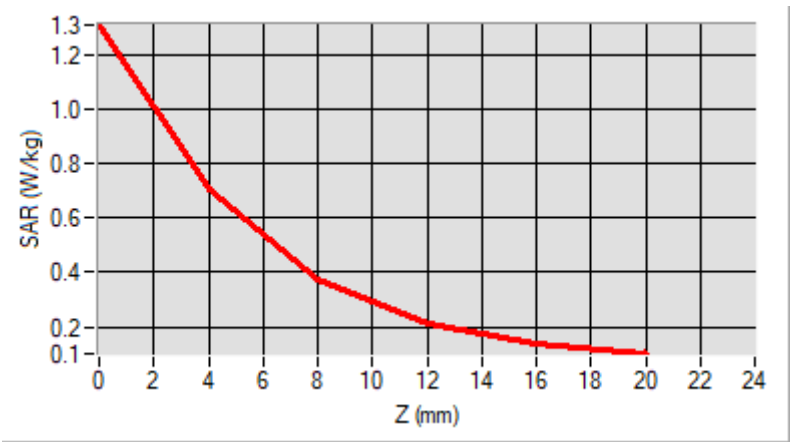
Maximum location: X=-8.00, Y=1.00

D. SAR 1g & 10g

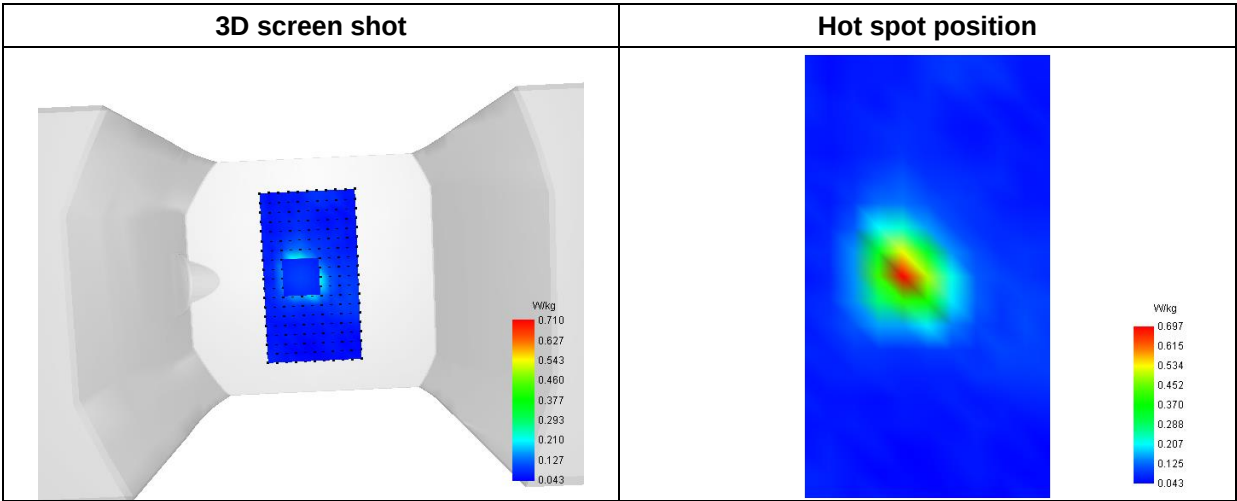
SAR 10g (W/Kg)	0.295233
SAR 1g (W/Kg)	0.634492

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.3144	0.7102	0.3760	0.2114	0.1382



F. 3D Image



MEASUREMENT 14

Type: Measurement (Complete)
Date of measurement: 2025-05-28
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.56; Calibrated: 2025-02-12

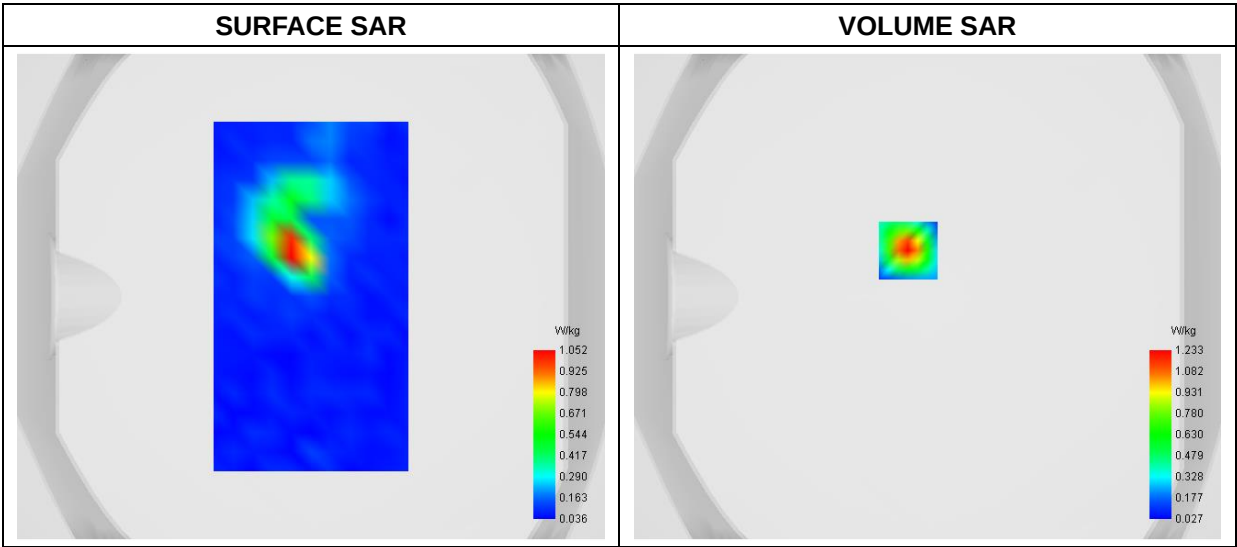
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Flat Plane
Device Position	Back
Band	WiFi(5.2GHz)_802.11 a
Channels	High
Signal	Duty Cycle: 1:1

B. SAR Measurement Results

Frequency (MHz)	5240.000000
Relative Permittivity (real part)	37.153299
Conductivity (S/m)	4.624146
Power Variation (%)	-1.621400
Ambient Temperature	22.3
Liquid Temperature	22.3

C. SAR Surface and Volume



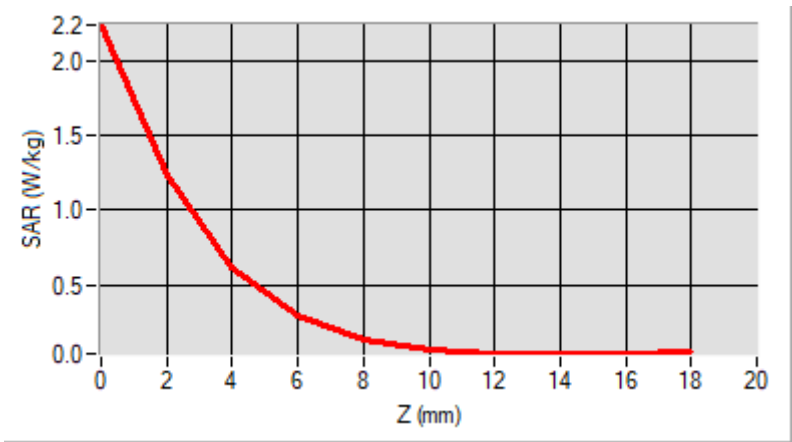
Maximum location: X=-8.00, Y=19.00

D. SAR 1g & 10g

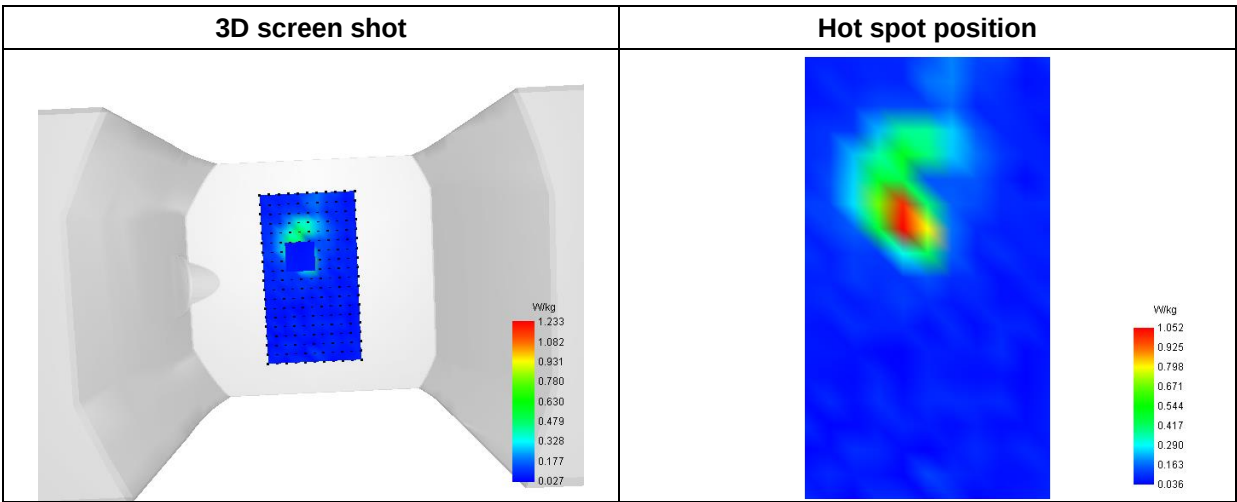
SAR 10g (W/Kg)	0.198861
SAR 1g (W/Kg)	0.635899

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	2.2379	1.2327	0.6198	0.2899	0.1354	0.0692	0.0442	0.0387	0.0439



F. 3D Image



MEASUREMENT 15

Type: Measurement (Complete)
Date of measurement: 2025-05-28
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.58; Calibrated: 2025-02-12

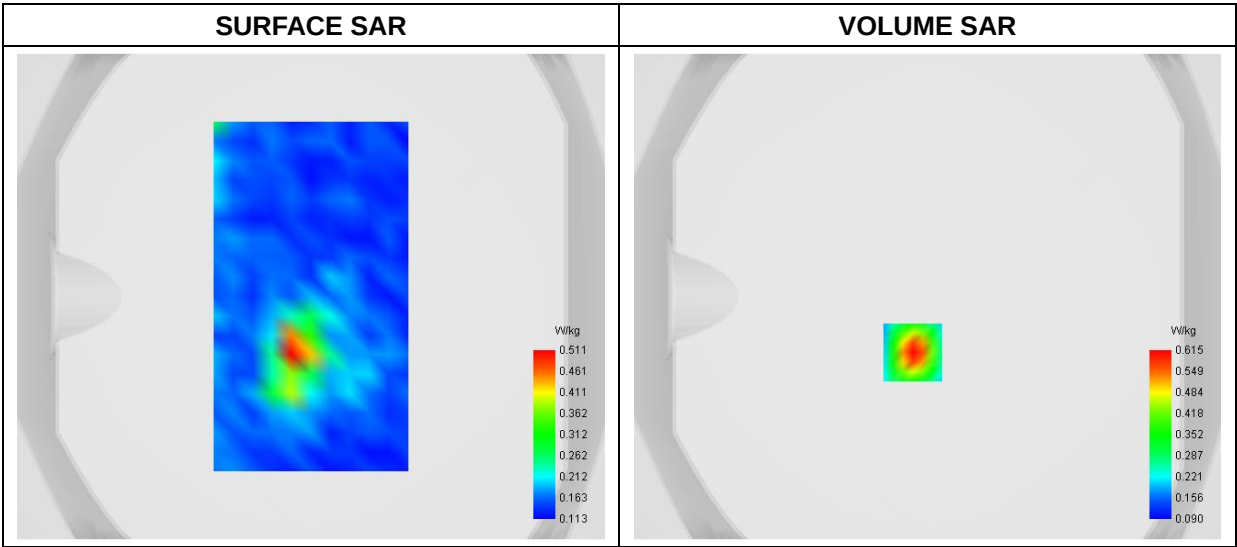
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Flat Plane
Device Position	Back
Band	WiFi(5.8GHz)_802.11a
Channels	Low
Signal	Duty Cycle: 1:1

B. SAR Measurement Results

Frequency (MHz)	5745.000000
Relative Permittivity (real part)	36.210216
Conductivity (S/m)	5.243421
Power Variation (%)	-1.830500
Ambient Temperature	22.3
Liquid Temperature	22.3

C. SAR Surface and Volume



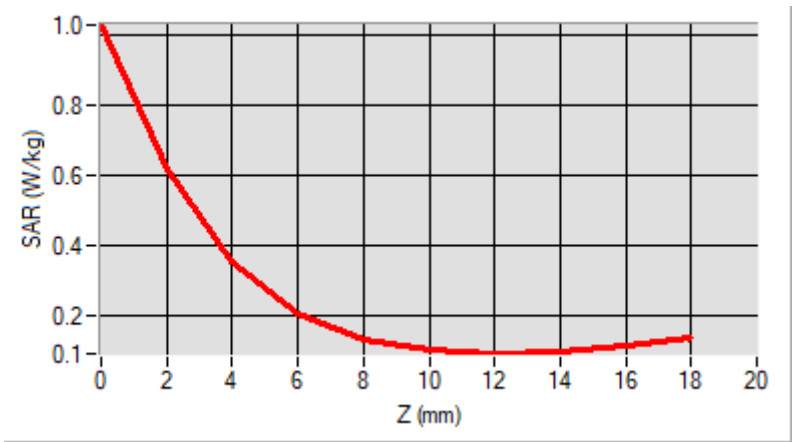
Maximum location: X=-6.00, Y=-23.00

D. SAR 1g & 10g

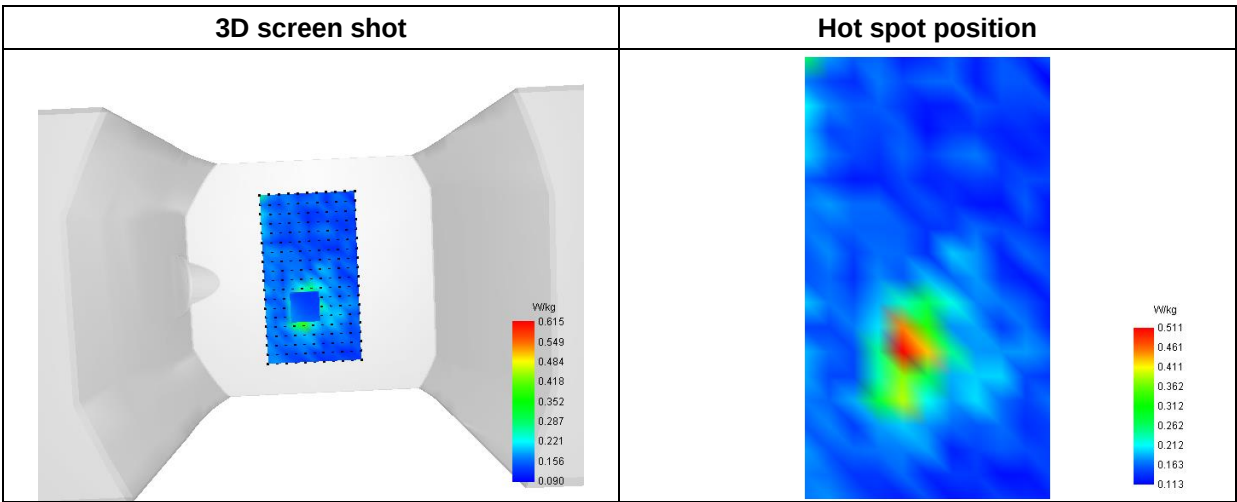
SAR 10g (W/Kg)	0.199613
SAR 1g (W/Kg)	0.369601

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	1.0258	0.6147	0.3549	0.2070	0.1328	0.0996	0.0903	0.0963	0.1135

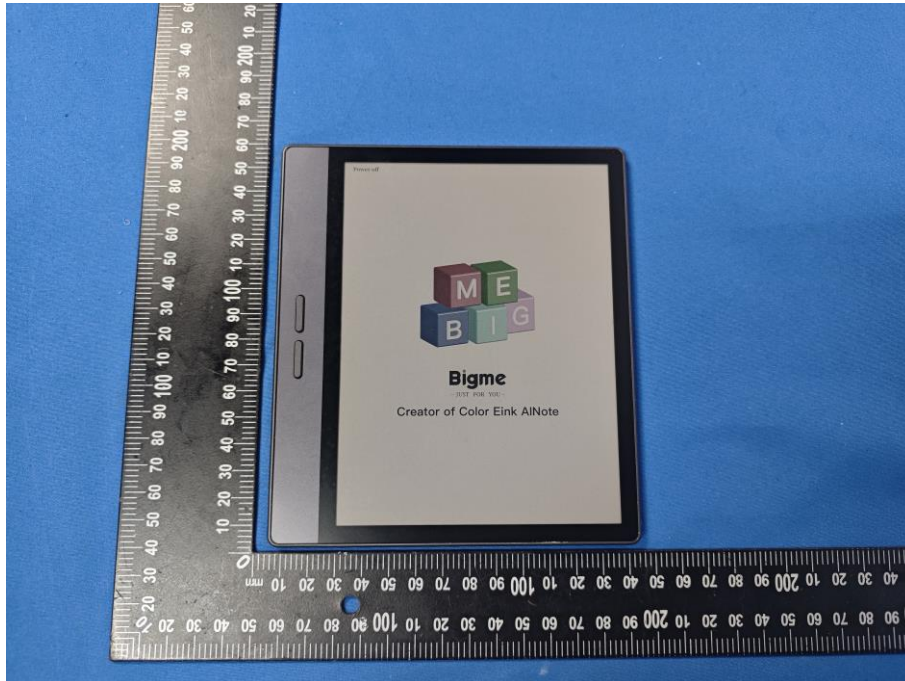


F. 3D Image

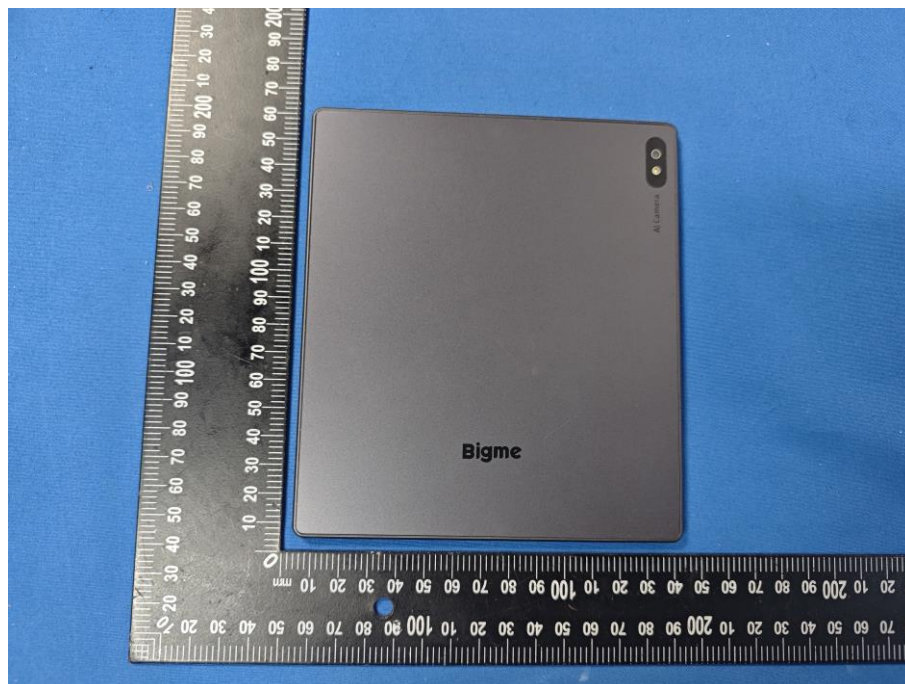


Annex C. EUT Photos

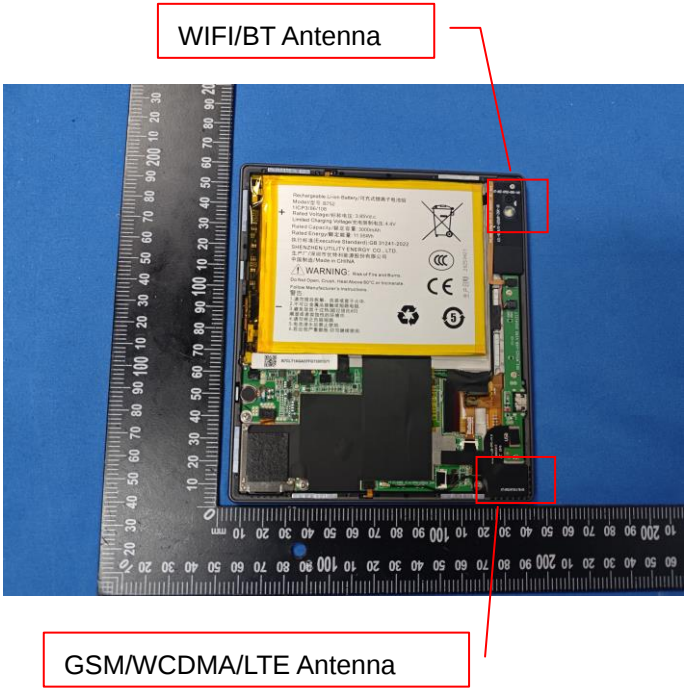
EUT View 1



EUT View 2



Antenna View

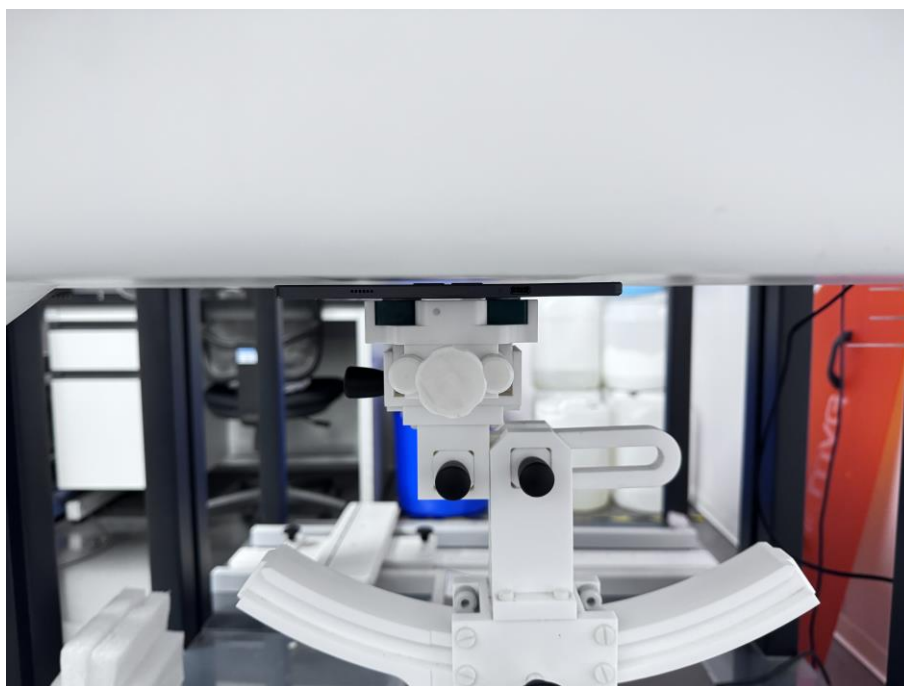


Annex D. Test Setup Photos

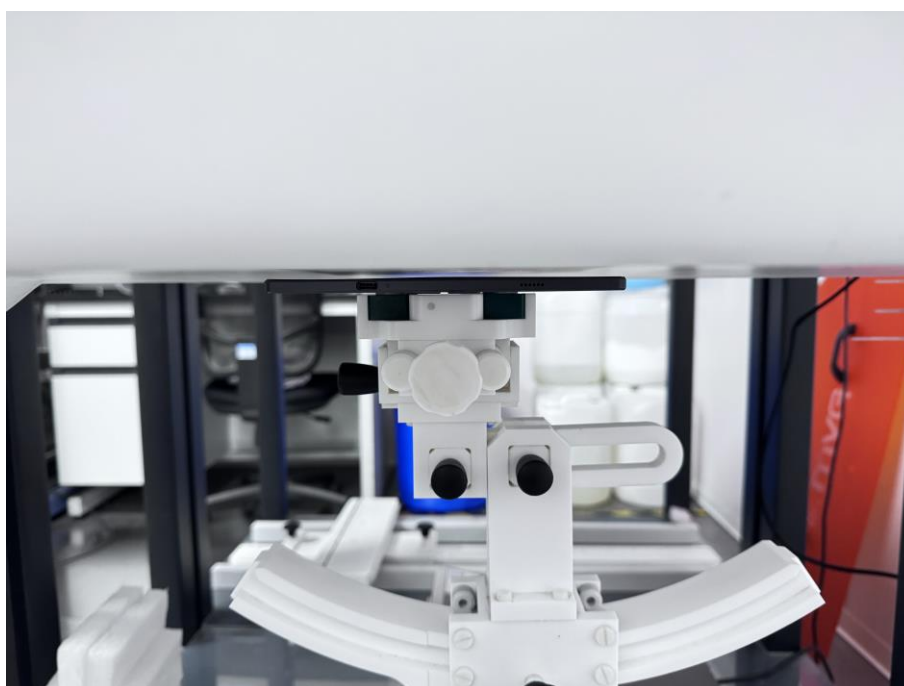
Body mode Exposure Conditions

Test distance: 5mm

Body Front



Body Back



Body Left



Body Top



Body Bottom



Annex E. Calibration Certificate

Please refer to the exhibit for the calibration certificate

******* END OF REPORT *******