

TEST REPORT

Reference No...... : WTF24X12284669W009
FCC ID..... : 2BH83-VISION
Applicant..... : FULL TECHNOLOGY TRADE LIMITED
Address..... : RM 13, UNIT A1, 2/F., PHASE 1, KAISER ESTATE, NO.41 MAN YUE STREET, HUNGHOM, KLN HONG KONG
Manufacturer..... : FULL TECHNOLOGY TRADE LIMITED
Address..... : RM 13, UNIT A1, 2/F., PHASE 1, KAISER ESTATE, NO.41 MAN YUE STREET, HUNGHOM, KLN HONG KONG
Product Name..... : Mobile Phone
Model No...... : VISION
Standards..... : FCC Part 2.1093
IEEE Std C95.1: 2019
IEEE Std C95.3: 2002 + Rev. 2008
IEC/IEEE 62209-1528:2021
Date of Receipt sample..... : 2024-12-03
Date of Test..... : 2024-12-12 to 2024-12-25
Date of Issue..... : 2024-12-25
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.

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Report version

Version No.	Date of issue	Description
Rev.00	2024-12-25	Original
/	/	/

1. General Information

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT:	
Product Name:	Mobile Phone
Brand Name:	Lifephone
Model No.:	VISION
Adding Model(s):	/
Rated Voltage:	DC3.85V
Battery Capacity:	4900mAh
Power Adapter:	552A-033F-1C Input:AC100-240V 50/60Hz 1.0A Output:DC5V3A/9V3A/12V2.75A/15V2.2A/20V1.65A
<i>Note: The test data is gathered from a production sample provided 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
RF Output Power:	GSM850:32.77dBm, GSM1900:29.73dBm EDGE850: 27.46dBm, EDGE1900: 27.51dBm
Type of Modulation:	GMSK, 8PSK
Type of Antenna:	Integral Antenna
Antenna Gain:	GSM850: -2.66dBi; GSM1900: 0.21dBi
GPRS/EDGE Class:	Class 12
3G	
Support Networks:	WCDMA, HSDPA, HSUPA
Support Band:	WCDMA Band 2, WCDMA Band 4, WCDMA Band 5
Uplink Frequency:	WCDMA Band 2: 1850~1910MHz WCDMA Band 4: 1710~1755MHz WCDMA Band 5: 824~849MHz
Downlink Frequency:	WCDMA Band 2: 1930~1990MHz WCDMA Band 4: 2110~2155MHz WCDMA Band 5: 869~894MHz
RF Output Power:	WCDMA Band 2: 21.32dBm, WCDMA Band 4: 22.39dBm, WCDMA Band 5: 23.25dBm
Type of Modulation:	BPSK, QPSK, 16QAM
Antenna Type:	Integral Antenna
Antenna Gain:	WCDMA Band 2: 0.21dBi, WCDMA Band 4: -0.47dBi, WCDMA Band 5: -2.69dBi
4G	
Support Networks:	FDD-LTE, TDD-LTE
Support Band:	FDD-LTE Band 2, 4, 5, 7, 12, 13, 17, 66, TDD-LTE 38, 40
Uplink Frequency:	FDD-LTE Band 2: Tx: 1850~1910MHz, FDD-LTE Band 4: Tx: 1710~1755MHz, FDD-LTE Band 5: Tx: 824~849MHz, FDD-LTE Band 7: Tx: 2500~2570MHz, FDD-LTE Band 12: Tx: 699~716MHz, FDD-LTE Band 13: Tx: 777~787MHz, FDD-LTE Band 17: Tx: 704~716MHz,

	TDD-LTE Band 38: Tx: 2570~2620MHz, TDD-LTE Band 40-1: Tx: 2305~2315MHz, TDD-LTE Band 40-2: Tx: 2350~2360MHz FDD-LTE Band 66: Tx: 1710~1780MHz,
Downlink Frequency:	FDD-LTE Band 2: Rx: 1930~1990MHz, FDD-LTE Band 4: Rx: 2110~2155MHz, FDD-LTE Band 5: Rx: 869~894MHz, FDD-LTE Band 7: Rx: 2620~2690MHz, FDD-LTE Band 12: Rx: 729~746MHz, FDD-LTE Band 13: Rx: 746~756MHz, FDD-LTE Band 17: Rx: 734~746MHz, TDD-LTE Band 38: Rx: 2570~2620MHz, TDD-LTE Band 40-1: Rx: 2305~2315MHz, TDD-LTE Band 40-2: Rx: 2350~2360MHz FDD-LTE Band 66: Rx: 2110~2200MHz
RF Output Power:	FDD-LTE Band 2: 22.25dBm, FDD-LTE Band 4: 22.89dBm, FDD-LTE Band 5: 22.76dBm, FDD-LTE Band 7: 22.83dBm, FDD-LTE Band 12: 27.19dBm, FDD-LTE Band 13: 23.51dBm, FDD-LTE Band 17: 25.54dBm, TDD-LTE Band 38: 23.13dBm, TDD-LTE Band 40(2305-2315MHz): 22.86dBm, TDD-LTE Band 40(2350-2360MHz): 22.05dBm, FDD-LTE Band 66: 23.25dBm
Type of Modulation:	QPSK, 16QAM
Antenna Type:	Integral Antenna
Antenna Gain:	FDD-LTE Band 2: 0.21dBi, FDD-LTE Band 4: -1.0dBi, FDD-LTE Band 5: -2.69dBi, FDD-LTE Band 7: 1.62dBi, FDD-LTE Band 12: -0.26dBi, FDD-LTE Band 13: -1.73dBi, FDD-LTE Band 17: -0.26dBi, TDD-LTE Band 38: 2.65dBi, TDD-LTE Band 40-1: 0.94dBi, TDD-LTE Band 40-2: 0.94dBi, FDD-LTE Band 66: -0.47dBi
WIFI(2.4GHz)	
Support Standards:	802.11b, 802.11g, 802.11n-HT20, 802.11n-HT40
Frequency Range:	2412-2462MHz for 802.11b/g/n(HT20) 2422-2452MHz for 802.11n(HT40)
Max. RF Output Power:	15.41dBm (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:	2.22dBi
Bluetooth	
Bluetooth Version:	Bluetooth V5.0

Frequency Range:	2402~2480MHz
Max. RF Output Power:	1.690dBm(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:	2.22dBi
WIFI(5GHz)	
Support Standards:	802.11a, 802.11n(HT20) , 802.11n-HT40, 802.11ac-VHT20/40/80
Frequency Range:	5180-5240MHz, 5260-5320MHz, 5745-5825MHz
Max. RF Output Power:	15.97dBm (Conducted)
Type of Modulation:	QPSK, 16QAM, 64QAM
Type of Antenna:	Integral Antenna
Antenna Gain:	2.14dBi
<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 Std C95.3: 2002 + Rev. 2008, IEC/IEEE 62209-1528:2021, KDB 447498 D01 v06, KDB 648474 D04 v01r03, KDB 248227 D01 v02r02, KDB 941225 D01 v03r01, KDB 941225 D05 v02r05 , 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.: 11464 A 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	Head SAR	Body-worn (10mm Gap)	Hotspot (10mm Gap)	SAR _{1g} Limit (W/kg)
	Maximum SAR _{1g} (W/kg)	Maximum SAR _{1g} (W/kg)	Maximum SAR _{1g} (W/kg)	
GSM	0.251	0.333	0.733	1.6
WCDMA	0.335	1.046	1.238	1.6
LTE	0.213	0.690	1.004	1.6
WLAN 2.4GHz	0.322	0.081	0.081	1.6
WLAN 5GHz	0.679	0.215	0.215	1.6
Simultaneous Transmission	0.961	1.261	1.261	1.6

Remark:

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 IEC/IEEE 62209-1528:2021 and 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.

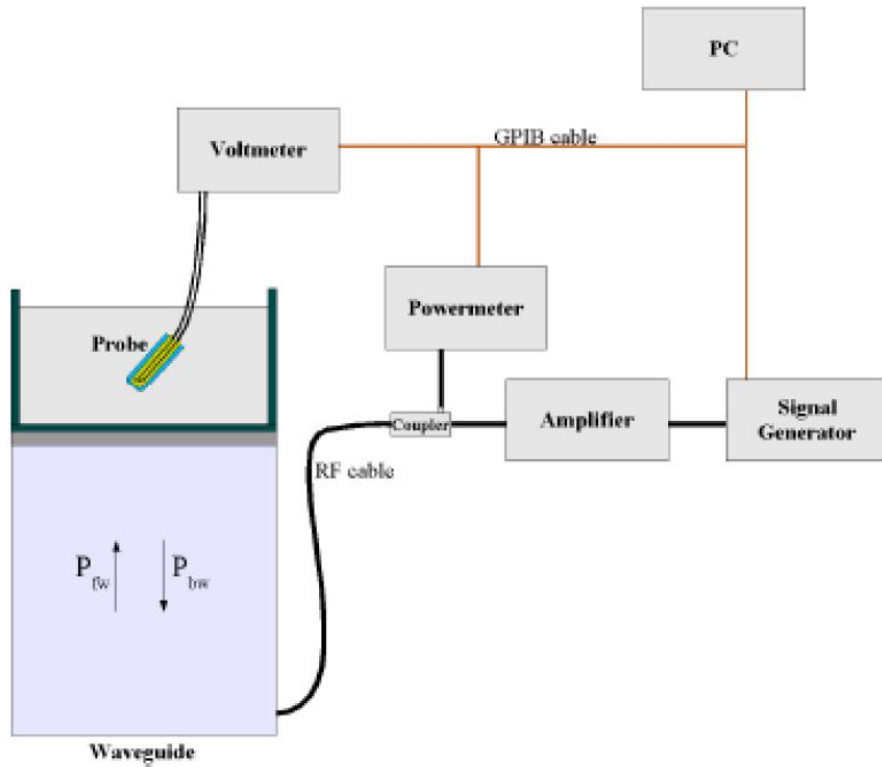


The EUT under test operating at the maximum power level is placed in the phone holder, under the phantom, which is filled with head simulating liquid. The E-Field probe measures the electric field inside the phantom. The OpenSAR software computes the results to give a SAR value in a 1g or 10g mass.

4.2 Probe

For the measurements the Specific Dosimetric E-Field Probe SSE2 3823-EPGO-435, and refer to the calibration report for probe parameters.

Probe calibration is realized, in compliance with IEC/IEEE 62209-1528:2021 STD, with CALISAR, Antenna proprietary calibration system. The calibration is performed with the IEC/IEEE 62209-1528:2021 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

l = 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,

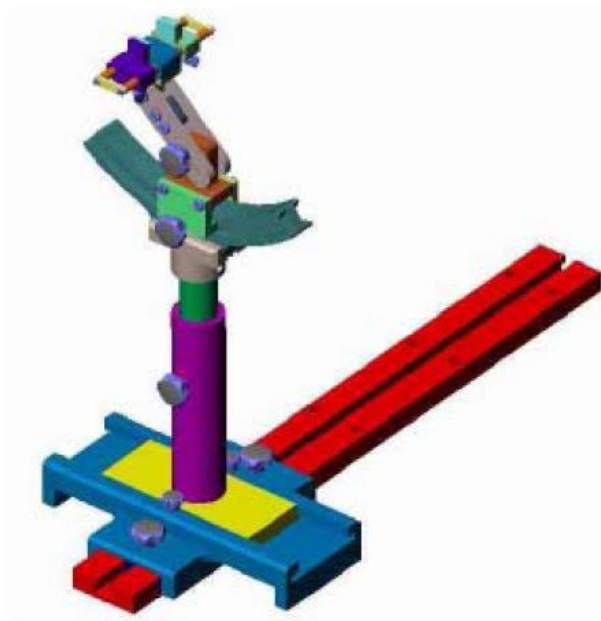
ρ = Tissue density (1.25 g/cm³ for brain tissue)

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

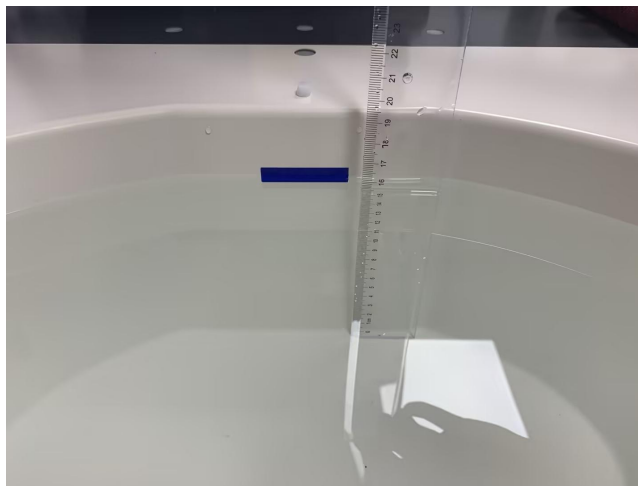
4.6 Test Equipment List

Fixed asset Number	Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
WTXE1105A1002	E-Field Probe	MVG	SSE2	3823-EPGO-435	2024-07-11	2025-07-10
WTXE1053A1001-001	750MHz Dipole	MVG	SID750	SN 47/12 DIP 0G750-203	2023-08-20	2026-08-19
WTXE1053A1001-002	835MHz Dipole	MVG	SID835	SN 47/12 DIP 0G835-204	2023-08-20	2026-08-19
WTXE1053A1001-004	1800MHz Dipole	MVG	SID1800	SN 47/12 DIP 1G800-206	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	2024-02-24	2025-02-23
WTXE1075A1003	Power meter	Keithley	3500	1232959	2024-02-24	2025-02-23
WTXE1075A1002	Power meter	Keithley	3500	1162591	2024-02-24	2025-02-23
WTXE1104A1003	EXG Analog Signal Generator	KEYSIGHT	N5173B	MY61252892	2024-02-24	2025-02-23
WTXE1022A1002	GSM Tester	Rohde & Schwarz	CMU200	114403	2024-02-27	2025-02-26
WTXE1041A1002	Communications Tester	Rohde & Schwarz	CMW500	148650	2024-03-19	2025-03-18
WTXE1036A1001	Network Analyzer	Rohde & Schwarz	ZVB 8	101353	2024-10-15	2025-10-14

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

Frequency (MHz)	Water (%)	Hexyl Carbitol (%)	Triton X-100 (%)
Head/Body			
5200-5800	65.52	17.24	17.24

5.2 Tissue Dielectric Parameters for Head and Body Phantoms

According to FCC KDBs, IEC/IEEE 62209-1528:2021 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 (%)		
750	22.2	0.87	0.89	-2.25	41.14	41.90	-1.81	±5	2024-12-19
835	22.2	0.89	0.90	-1.11	40.83	41.50	-1.61	±5	2024-12-20
1800	22.5	1.39	1.40	-0.71	39.51	40.00	-1.23	±5	2024-12-18
1900	22.5	1.41	1.40	0.71	39.11	40.00	-2.23	±5	2024-12-17
2300	22.5	1.69	1.67	1.20	40.12	39.50	1.57	±5	2024-12-21
2450	22.5	1.78	1.80	-1.11	38.52	39.20	-1.73	±5	2024-12-25
2600	22.5	1.93	1.96	-1.53	39.64	39.00	1.64	±5	2024-12-23
5200	22.6	4.64	4.66	-0.43	36.22	36.00	0.61	±5	2024-12-25
5600	22.6	5.11	5.07	0.79	36.63	35.50	3.18	±5	2024-12-24
5800	22.6	5.28	5.27	0.19	36.74	35.30	4.08	±5	2024-12-24

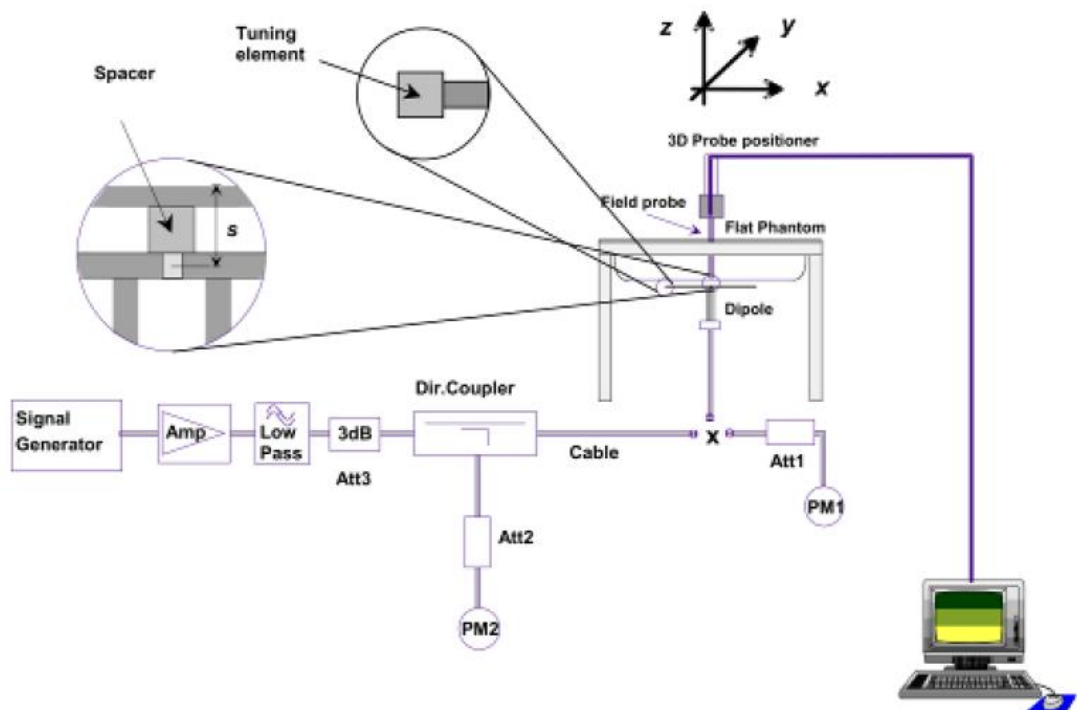
6. SAR Measurement Evaluation

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 835MHz, 1800MHz, 1900MHz, 2450MHz, 2600MHz and 5GHz. 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 24dBm (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)	(%)	
750	250	8.78	2.051	8.204	-6.56	2024-12-19
835	250	9.65	2.210	8.84	-8.39	2024-12-20
1800	250	38.49	9.624	38.496	0.02	2024-12-18
1900	250	39.59	10.223	40.892	3.29	2024-12-17
2300	250	49.27	12.023	48.092	-2.39	2024-12-21
2450	250	53.76	13.747	54.988	2.28	2024-12-25
2600	250	56.81	14.815	59.26	4.31	2024-12-23
5200	250	75.31	18.567	74.268	-1.38	2024-12-25
5400	250	79.56	18.979	75.916	-4.58	2024-12-24
5800	250	78.05	18.087	72.348	-7.31	2024-12-24

Remark: Referring to IEC/IEEE 62209-1528:2021, the system check shall be performed at a test frequency that is within $\pm 10\%$ 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 Define Two Imaginary Lines on The Handset

- (a) The vertical centerline passes through two points on the front side of the handset - the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the bottom of the handset.
- (b) The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.
- (c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centerline is not necessarily parallel to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.

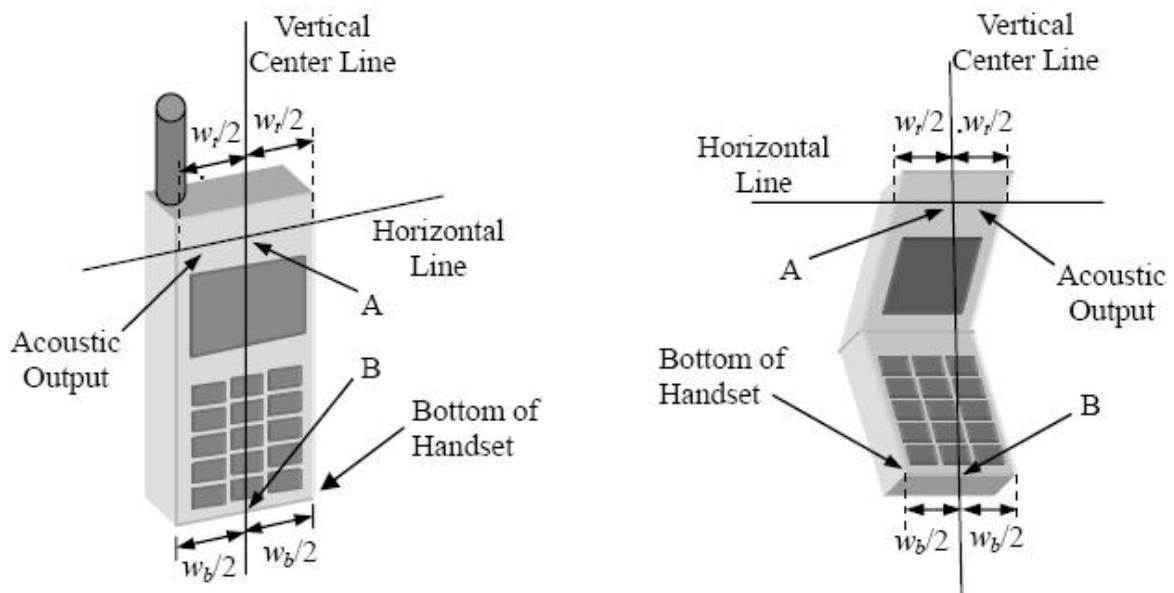


Illustration for Handset Vertical and Horizontal Reference Lines

7.2 Cheek Position

(a) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.

(b) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost (see Fig. 7.2).

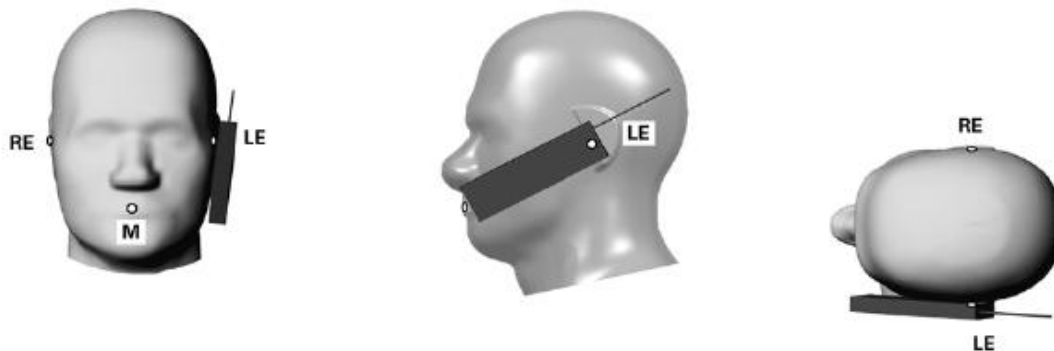


Illustration for Cheek Position

7.3 Tilted Position

(a) To position the device in the “cheek” position described above.

(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost (see Fig. 7.3).



Illustration for Tilted Position

7.4 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 10mm.

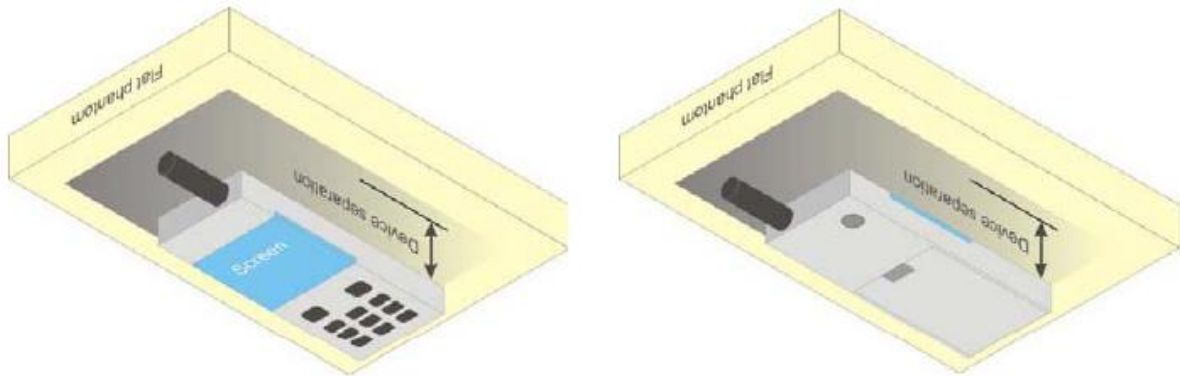
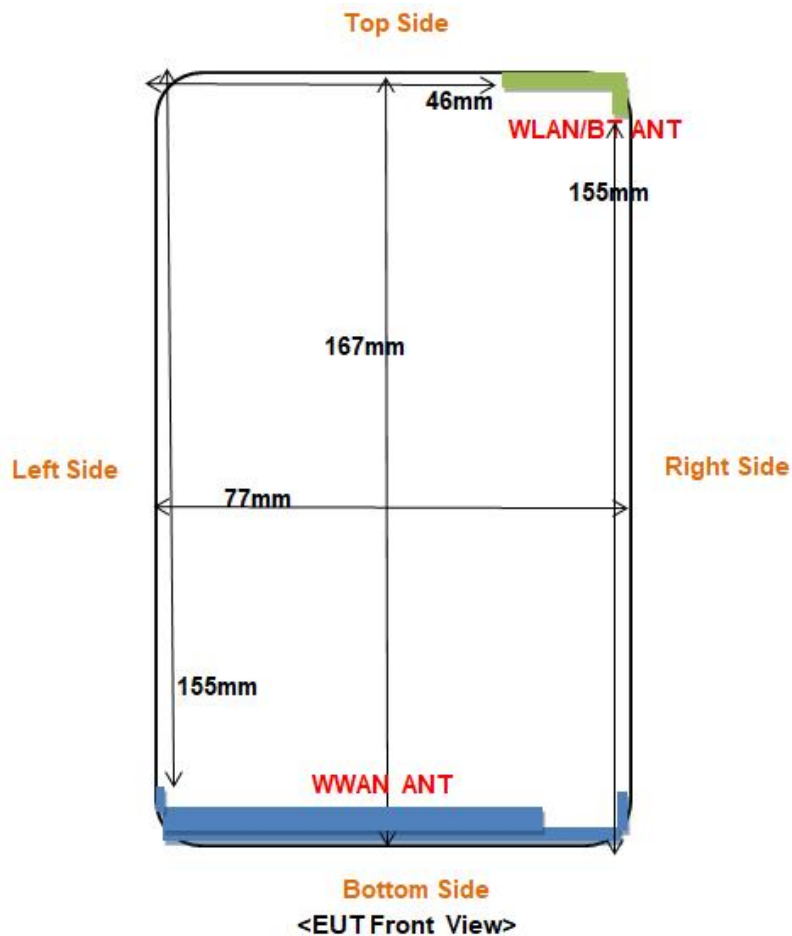


Illustration for Body Position

7.5 EUT Antenna Position



Block Diagram for EUT Antenna Position

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	<25	155	<25
WLAN/BT	<25	<25	46	<25	<25	155

7.6 EUT Testing Position

Head/Body mode SAR assessments are required for this device. This EUT was tested in different positions for different SAR test modes, more information as below:

Head SAR tests				
Antennas	Right Cheek	Left Cheek	Right Tilted	Left Tilted
WWAN	Yes	Yes	Yes	Yes
WLAN/BT	Yes	Yes	Yes	Yes

Body SAR tests, Test distance: 10mm						
Antennas	Back side	Front side	Left Edge	Right Edge	Top Edge	Bottom Edge
WWAN	Yes	Yes	Yes	Yes	No	Yes
WLAN/BT	Yes	Yes	No	Yes	Yes	No

Remark:

- Referring to KDB 941225 D06, when the overall device length and width are $\geq 9\text{cm} \times 5\text{cm}$, the test separation distances is 10 mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge. When the form factor of a handset is smaller than $9\text{ cm} \times 5\text{ cm}$, a test separation distance of 5 mm (instead of 10 mm) is required for testing hotspot mode.
- Referring to KDB 648474 D04 Handset SAR v01r03, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR $> 1.2\text{ W/kg}$.

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	32.77	32.44	32.35	33.0	29.73	29.27	28.61	30.0
GPRS (1 slot)	32.76	32.28	32.28	33.0	29.63	29.15	28.51	30.0
GPRS (2 slots)	32.13	31.82	31.72	32.0	28.62	28.25	27.64	29.0
GPRS (3 slots)	30.48	30.22	30.15	31.0	26.88	26.61	26.11	27.0
GPRS (4 slots)	29.33	29.12	29.06	29.5	26.33	26.08	25.61	26.5
EGPRS (1 slot)	27.46	27.10	26.58	28.0	27.51	26.86	26.95	28.0
EGPRS (2 slots)	26.17	26.13	25.58	27.0	26.62	26.18	26.28	27.0
EGPRS (3 slots)	23.91	23.85	23.33	24.0	24.79	24.38	24.47	25.0
EGPRS (4 slots)	22.69	22.63	22.10	23.0	23.75	23.38	23.38	24.0

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	23.77	23.44	23.35	24.0	20.73	20.27	19.61	21.0
GPRS (1 slot)	23.76	23.28	23.28	24.0	20.63	20.15	19.51	21.0
GPRS (2 slots)	26.13	25.82	25.72	26.5	22.62	22.25	21.64	23.0
GPRS (3 slots)	26.23	25.97	25.90	26.5	22.63	22.36	21.86	23.0
GPRS (4 slots)	26.33	26.12	26.06	26.5	23.33	23.08	22.61	23.5
EGPRS (1 slot)	18.46	18.10	17.58	19.0	18.51	17.86	17.95	19.0
EGPRS (2 slots)	20.17	20.13	19.58	21.0	20.62	20.18	20.28	21.0
EGPRS (3 slots)	19.66	19.60	19.08	20.0	20.54	20.13	20.22	21.0
EGPRS (4 slots)	19.69	19.63	19.10	20.0	20.75	20.38	20.38	21.0

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 Head SAR testing, GSM should be evaluated; therefore the EUT was set in GSM for GSM850 and GSM1900 due to its highest source-based time-average power.
2. 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.

3. Per KDB 447498 D01 v06, the maximum output power channel is used for SAR testing and for further SAR test reduction.

4. The DUT do not support DTM function.

WCDMA - Average Power (dBm)								
Band	WCDMA Band II				WCDMA Band IV			
Channel	9262	9400	9538	Tune-up power (dBm)	1312	1413	1513	Tune-up power (dBm)
Frequency (MHz)	1852.4	1880.0	1907.6		1712.4	1732.6	1752.6	
RMC 12.2k	21.28	21.03	21.32	21.5	22.28	21.87	22.39	22.5
HSDPA Subtest-1	21.20	20.72	21.07	21.5	22.09	21.69	22.23	22.5
HSDPA Subtest-2	21.09	20.51	20.82	21.5	22.19	21.84	22.37	22.5
HSDPA Subtest-3	20.88	20.36	20.6	21.5	22.21	21.68	22.34	22.5
HSDPA Subtest-4	20.91	20.36	20.65	21.5	22.22	21.81	22.38	22.5
HSUPA Subtest-1	19.1	18.81	19.23	21.5	21.96	21.61	22.17	22.5
HSUPA Subtest-2	19.32	18.81	19.13	21.5	21.54	21.25	21.74	22.5
HSUPA Subtest-3	19.79	19.25	19.59	21.5	22.01	21.72	22.21	22.5
HSUPA Subtest-4	19.91	19.39	19.71	21.5	22.10	21.86	22.30	22.5
HSUPA Subtest-5	21.12	20.66	21.10	21.5	22.04	21.68	22.05	22.5

WCDMA - Average Power (dBm)								
Band	WCDMA Band V							
Channel	4132	4182	4233	Tune-up power (dBm)				
Frequency (MHz)	826.4	836.4	846.6					
RMC 12.2k	23.25	22.82	23.08	23.5				
HSDPA Subtest-1	20.84	21.26	21.31	23.5				
HSDPA Subtest-2	20.78	21.03	21.01	23.5				
HSDPA Subtest-3	20.35	20.39	20.55	23.5				
HSDPA Subtest-4	20.4	20.41	20.57	23.5				
HSUPA Subtest-1	19.37	19.51	19.3	23.5				
HSUPA Subtest-2	19.8	19.88	19.99	23.5				
HSUPA Subtest-3	19.4	19.59	19.38	23.5				
HSUPA Subtest-4	18.96	19.36	18.96	23.5				
HSUPA Subtest-5	21.66	21.51	21.57	23.5				

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.

FDD-LTE Band 2:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	21.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	20.89	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	21.67	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	21.72	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	21.64	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.01	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	21.54	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	20.73	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	21.52	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	20.77	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	21.50	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	20.71	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.15	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	21.45	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.50	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	21.61	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.71	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	21.56	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.53	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	21.63	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	20.93	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	21.63	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	20.93	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	21.65	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	20.95	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.12	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.47	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	21.70	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	20.49	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	21.66	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	21.10	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	21.64	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	20.54	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	21.69	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.25	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	21.68	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	21.24	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	21.72	PASS

Band2	1.4MHz	16QAM	19193	3RB#3	21.17	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.16	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.42	PASS
Band2	3MHz	QPSK	18615	1RB#0	21.51	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.12	PASS
Band2	3MHz	QPSK	18615	1RB#8	21.53	PASS
Band2	3MHz	16QAM	18615	1RB#8	21.09	PASS
Band2	3MHz	QPSK	18615	1RB#14	21.50	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.10	PASS
Band2	3MHz	QPSK	18615	8RB#0	21.10	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.33	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.11	PASS
Band2	3MHz	16QAM	18615	8RB#4	20.36	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.05	PASS
Band2	3MHz	16QAM	18615	8RB#7	20.29	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.06	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.19	PASS
Band2	3MHz	QPSK	18900	1RB#0	21.40	PASS
Band2	3MHz	16QAM	18900	1RB#0	21.29	PASS
Band2	3MHz	QPSK	18900	1RB#8	21.43	PASS
Band2	3MHz	16QAM	18900	1RB#8	21.18	PASS
Band2	3MHz	QPSK	18900	1RB#14	21.49	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.23	PASS
Band2	3MHz	QPSK	18900	8RB#0	21.06	PASS
Band2	3MHz	16QAM	18900	8RB#0	20.42	PASS
Band2	3MHz	QPSK	18900	8RB#4	21.07	PASS
Band2	3MHz	16QAM	18900	8RB#4	20.32	PASS
Band2	3MHz	QPSK	18900	8RB#7	21.16	PASS
Band2	3MHz	16QAM	18900	8RB#7	20.47	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.12	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.09	PASS
Band2	3MHz	QPSK	19185	1RB#0	21.82	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.14	PASS
Band2	3MHz	QPSK	19185	1RB#8	21.83	PASS
Band2	3MHz	16QAM	19185	1RB#8	21.23	PASS
Band2	3MHz	QPSK	19185	1RB#14	21.83	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.22	PASS
Band2	3MHz	QPSK	19185	8RB#0	21.07	PASS
Band2	3MHz	16QAM	19185	8RB#0	20.31	PASS
Band2	3MHz	QPSK	19185	8RB#4	21.07	PASS
Band2	3MHz	16QAM	19185	8RB#4	20.29	PASS
Band2	3MHz	QPSK	19185	8RB#7	21.17	PASS

Band2	3MHz	16QAM	19185	8RB#7	20.47	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.12	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.24	PASS
Band2	5MHz	QPSK	18625	1RB#0	21.58	PASS
Band2	5MHz	16QAM	18625	1RB#0	20.54	PASS
Band2	5MHz	QPSK	18625	1RB#12	21.48	PASS
Band2	5MHz	16QAM	18625	1RB#12	20.62	PASS
Band2	5MHz	QPSK	18625	1RB#24	21.58	PASS
Band2	5MHz	16QAM	18625	1RB#24	20.52	PASS
Band2	5MHz	QPSK	18625	12RB#0	21.04	PASS
Band2	5MHz	16QAM	18625	12RB#0	21.09	PASS
Band2	5MHz	QPSK	18625	12RB#6	21.04	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.12	PASS
Band2	5MHz	QPSK	18625	12RB#13	20.98	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.13	PASS
Band2	5MHz	QPSK	18625	25RB#0	20.96	PASS
Band2	5MHz	16QAM	18625	25RB#0	20.29	PASS
Band2	5MHz	QPSK	18900	1RB#0	21.57	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.30	PASS
Band2	5MHz	QPSK	18900	1RB#12	21.60	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.38	PASS
Band2	5MHz	QPSK	18900	1RB#24	21.83	PASS
Band2	5MHz	16QAM	18900	1RB#24	20.99	PASS
Band2	5MHz	QPSK	18900	12RB#0	21.02	PASS
Band2	5MHz	16QAM	18900	12RB#0	20.44	PASS
Band2	5MHz	QPSK	18900	12RB#6	21.03	PASS
Band2	5MHz	16QAM	18900	12RB#6	20.30	PASS
Band2	5MHz	QPSK	18900	12RB#13	21.17	PASS
Band2	5MHz	16QAM	18900	12RB#13	20.44	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.10	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.29	PASS
Band2	5MHz	QPSK	19175	1RB#0	21.52	PASS
Band2	5MHz	16QAM	19175	1RB#0	20.80	PASS
Band2	5MHz	QPSK	19175	1RB#12	21.94	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.02	PASS
Band2	5MHz	QPSK	19175	1RB#24	21.55	PASS
Band2	5MHz	16QAM	19175	1RB#24	20.78	PASS
Band2	5MHz	QPSK	19175	12RB#0	21.20	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.32	PASS
Band2	5MHz	QPSK	19175	12RB#6	21.09	PASS
Band2	5MHz	16QAM	19175	12RB#6	20.31	PASS
Band2	5MHz	QPSK	19175	12RB#13	21.17	PASS

Band2	5MHz	16QAM	19175	12RB#13	20.38	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.06	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.33	PASS
Band2	10MHz	QPSK	18650	1RB#0	21.59	PASS
Band2	10MHz	16QAM	18650	1RB#0	20.93	PASS
Band2	10MHz	QPSK	18650	1RB#24	21.57	PASS
Band2	10MHz	16QAM	18650	1RB#24	21.17	PASS
Band2	10MHz	QPSK	18650	1RB#49	21.50	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.16	PASS
Band2	10MHz	QPSK	18650	25RB#0	21.10	PASS
Band2	10MHz	16QAM	18650	25RB#0	20.23	PASS
Band2	10MHz	QPSK	18650	25RB#12	21.10	PASS
Band2	10MHz	16QAM	18650	25RB#12	20.15	PASS
Band2	10MHz	QPSK	18650	25RB#25	21.03	PASS
Band2	10MHz	16QAM	18650	25RB#25	20.18	PASS
Band2	10MHz	QPSK	18650	50RB#0	21.10	PASS
Band2	10MHz	16QAM	18650	50RB#0	20.21	PASS
Band2	10MHz	QPSK	18900	1RB#0	21.59	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	21.54	PASS
Band2	10MHz	16QAM	18900	1RB#24	20.49	PASS
Band2	10MHz	QPSK	18900	1RB#49	21.63	PASS
Band2	10MHz	16QAM	18900	1RB#49	20.42	PASS
Band2	10MHz	QPSK	18900	25RB#0	21.21	PASS
Band2	10MHz	16QAM	18900	25RB#0	20.36	PASS
Band2	10MHz	QPSK	18900	25RB#12	21.22	PASS
Band2	10MHz	16QAM	18900	25RB#12	20.36	PASS
Band2	10MHz	QPSK	18900	25RB#25	21.08	PASS
Band2	10MHz	16QAM	18900	25RB#25	20.38	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.23	PASS
Band2	10MHz	16QAM	18900	50RB#0	20.22	PASS
Band2	10MHz	QPSK	19150	1RB#0	21.56	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.21	PASS
Band2	10MHz	QPSK	19150	1RB#24	21.57	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.28	PASS
Band2	10MHz	QPSK	19150	1RB#49	21.65	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.28	PASS
Band2	10MHz	QPSK	19150	25RB#0	21.03	PASS
Band2	10MHz	16QAM	19150	25RB#0	20.20	PASS
Band2	10MHz	QPSK	19150	25RB#12	21.14	PASS
Band2	10MHz	16QAM	19150	25RB#12	20.19	PASS
Band2	10MHz	QPSK	19150	25RB#25	21.25	PASS

Band2	10MHz	16QAM	19150	25RB#25	20.18	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.12	PASS
Band2	10MHz	16QAM	19150	50RB#0	20.24	PASS
Band2	15MHz	QPSK	18675	1RB#0	21.62	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.13	PASS
Band2	15MHz	QPSK	18675	1RB#38	21.44	PASS
Band2	15MHz	16QAM	18675	1RB#38	21.07	PASS
Band2	15MHz	QPSK	18675	1RB#74	21.51	PASS
Band2	15MHz	16QAM	18675	1RB#74	20.90	PASS
Band2	15MHz	QPSK	18675	38RB#0	21.11	PASS
Band2	15MHz	16QAM	18675	38RB#0	21.17	PASS
Band2	15MHz	QPSK	18675	38RB#18	21.03	PASS
Band2	15MHz	16QAM	18675	38RB#18	21.04	PASS
Band2	15MHz	QPSK	18675	38RB#37	21.04	PASS
Band2	15MHz	16QAM	18675	38RB#37	21.04	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.04	PASS
Band2	15MHz	16QAM	18675	75RB#0	20.23	PASS
Band2	15MHz	QPSK	18900	1RB#0	21.21	PASS
Band2	15MHz	16QAM	18900	1RB#0	20.97	PASS
Band2	15MHz	QPSK	18900	1RB#38	21.20	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.02	PASS
Band2	15MHz	QPSK	18900	1RB#74	21.18	PASS
Band2	15MHz	16QAM	18900	1RB#74	20.98	PASS
Band2	15MHz	QPSK	18900	38RB#0	21.05	PASS
Band2	15MHz	16QAM	18900	38RB#0	21.12	PASS
Band2	15MHz	QPSK	18900	38RB#18	21.16	PASS
Band2	15MHz	16QAM	18900	38RB#18	21.06	PASS
Band2	15MHz	QPSK	18900	38RB#37	21.10	PASS
Band2	15MHz	16QAM	18900	38RB#37	21.07	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.08	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.23	PASS
Band2	15MHz	QPSK	19125	1RB#0	21.58	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.26	PASS
Band2	15MHz	QPSK	19125	1RB#38	21.59	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.09	PASS
Band2	15MHz	QPSK	19125	1RB#74	21.60	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.30	PASS
Band2	15MHz	QPSK	19125	38RB#0	21.17	PASS
Band2	15MHz	16QAM	19125	38RB#0	21.16	PASS
Band2	15MHz	QPSK	19125	38RB#18	21.16	PASS
Band2	15MHz	16QAM	19125	38RB#18	21.16	PASS
Band2	15MHz	QPSK	19125	38RB#37	21.16	PASS

Band2	15MHz	16QAM	19125	38RB#37	21.15	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.15	PASS
Band2	15MHz	16QAM	19125	75RB#0	20.35	PASS
Band2	20MHz	QPSK	18700	1RB#0	21.81	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	21.51	PASS
Band2	20MHz	16QAM	18700	1RB#49	20.77	PASS
Band2	20MHz	QPSK	18700	1RB#99	21.79	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.01	PASS
Band2	20MHz	QPSK	18700	50RB#0	21.21	PASS
Band2	20MHz	16QAM	18700	50RB#0	20.33	PASS
Band2	20MHz	QPSK	18700	50RB#25	21.01	PASS
Band2	20MHz	16QAM	18700	50RB#25	20.34	PASS
Band2	20MHz	QPSK	18700	50RB#50	21.03	PASS
Band2	20MHz	16QAM	18700	50RB#50	20.27	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.12	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.22	PASS
Band2	20MHz	QPSK	18900	1RB#0	21.73	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.96	PASS
Band2	20MHz	QPSK	18900	1RB#49	21.64	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.24	PASS
Band2	20MHz	QPSK	18900	1RB#99	21.70	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.25	PASS
Band2	20MHz	QPSK	18900	50RB#0	21.09	PASS
Band2	20MHz	16QAM	18900	50RB#0	20.22	PASS
Band2	20MHz	QPSK	18900	50RB#25	21.14	PASS
Band2	20MHz	16QAM	18900	50RB#25	20.25	PASS
Band2	20MHz	QPSK	18900	50RB#50	21.09	PASS
Band2	20MHz	16QAM	18900	50RB#50	20.28	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.14	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.30	PASS
Band2	20MHz	QPSK	19100	1RB#0	21.79	PASS
Band2	20MHz	16QAM	19100	1RB#0	20.94	PASS
Band2	20MHz	QPSK	19100	1RB#49	21.45	PASS
Band2	20MHz	16QAM	19100	1RB#49	20.81	PASS
Band2	20MHz	QPSK	19100	1RB#99	21.67	PASS
Band2	20MHz	16QAM	19100	1RB#99	20.96	PASS
Band2	20MHz	QPSK	19100	50RB#0	21.24	PASS
Band2	20MHz	16QAM	19100	50RB#0	20.44	PASS
Band2	20MHz	QPSK	19100	50RB#25	21.13	PASS
Band2	20MHz	16QAM	19100	50RB#25	20.42	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.14	PASS

Band2	20MHz	16QAM	19100	50RB#50	20.37	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.14	PASS
Band2	20MHz	16QAM	19100	100RB#0	20.32	PASS

FDD-LTE Band 4:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	21.89	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.64	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	21.90	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.73	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	21.91	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.65	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	21.98	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.33	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	21.99	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.12	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.02	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.31	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.53	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.68	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	21.45	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.75	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	21.47	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.75	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	21.45	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.80	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	21.59	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	20.90	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	21.60	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	20.69	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	21.59	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	20.88	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.09	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.27	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.33	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.81	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.29	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.74	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.75	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.34	PASS

Band4	1.4MHz	16QAM	20393	3RB#0	21.91	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.35	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.30	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.20	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.89	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.87	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.17	PASS
Band4	3MHz	QPSK	19965	1RB#0	21.97	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.08	PASS
Band4	3MHz	QPSK	19965	1RB#8	21.93	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.89	PASS
Band4	3MHz	QPSK	19965	1RB#14	21.84	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.56	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.84	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.57	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.77	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.44	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.72	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.49	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.64	PASS
Band4	3MHz	QPSK	20175	1RB#0	21.62	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.43	PASS
Band4	3MHz	QPSK	20175	1RB#8	21.56	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.69	PASS
Band4	3MHz	QPSK	20175	1RB#14	21.58	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.40	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.11	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.44	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.14	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.31	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.14	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.33	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.14	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.31	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.16	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.11	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.35	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.27	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.17	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.16	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.81	PASS

Band4	3MHz	16QAM	20385	8RB#0	21.14	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.84	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.04	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.82	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.10	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.88	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.03	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.06	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.46	PASS
Band4	5MHz	QPSK	19975	1RB#12	21.99	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.45	PASS
Band4	5MHz	QPSK	19975	1RB#24	21.89	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.53	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.53	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.60	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.54	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.71	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.44	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.56	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.48	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.64	PASS
Band4	5MHz	QPSK	20175	1RB#0	21.63	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.21	PASS
Band4	5MHz	QPSK	20175	1RB#12	21.71	PASS
Band4	5MHz	16QAM	20175	1RB#12	20.97	PASS
Band4	5MHz	QPSK	20175	1RB#24	21.77	PASS
Band4	5MHz	16QAM	20175	1RB#24	20.93	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.21	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.33	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.05	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.20	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.20	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.21	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.05	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.37	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.33	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.04	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.32	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.90	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.39	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.85	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.87	PASS

Band4	5MHz	16QAM	20375	12RB#0	20.93	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.89	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.94	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.88	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.92	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.76	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.12	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.05	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.15	PASS
Band4	10MHz	QPSK	20000	1RB#24	21.90	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	21.86	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.69	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.52	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.51	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.53	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.52	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.49	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.46	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.49	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.64	PASS
Band4	10MHz	QPSK	20175	1RB#0	21.64	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.78	PASS
Band4	10MHz	QPSK	20175	1RB#24	21.57	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.41	PASS
Band4	10MHz	QPSK	20175	1RB#49	21.63	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.72	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.11	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.29	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.14	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.35	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.12	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.26	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.12	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.24	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.14	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.24	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.36	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.25	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.32	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.20	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.00	PASS

Band4	10MHz	16QAM	20350	25RB#0	20.97	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.89	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.98	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.82	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.93	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.95	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.97	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.03	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.96	PASS
Band4	15MHz	QPSK	20025	1RB#38	21.91	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.02	PASS
Band4	15MHz	QPSK	20025	1RB#74	21.70	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.88	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.46	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.46	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.47	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.47	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.47	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.47	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.47	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.58	PASS
Band4	15MHz	QPSK	20175	1RB#0	21.69	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.86	PASS
Band4	15MHz	QPSK	20175	1RB#38	21.56	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.66	PASS
Band4	15MHz	QPSK	20175	1RB#74	21.65	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.73	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.09	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.10	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.10	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.21	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.21	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.21	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.21	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.21	PASS
Band4	15MHz	QPSK	20325	1RB#0	21.92	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.28	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.34	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.17	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.38	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.91	PASS

Band4	15MHz	16QAM	20325	38RB#0	21.90	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.91	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.90	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.90	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.90	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.90	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.01	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.35	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.06	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.10	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.85	PASS
Band4	20MHz	QPSK	20050	1RB#99	21.84	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.39	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.53	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.69	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.46	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.70	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.19	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.46	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.43	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.55	PASS
Band4	20MHz	QPSK	20175	1RB#0	21.98	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.62	PASS
Band4	20MHz	QPSK	20175	1RB#49	21.46	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.31	PASS
Band4	20MHz	QPSK	20175	1RB#99	21.88	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.68	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.22	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.40	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.25	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.41	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.14	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.31	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.08	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.27	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.10	PASS
Band4	20MHz	16QAM	20300	1RB#0	20.97	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.89	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.56	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.61	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.75	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.41	PASS

Band4	20MHz	16QAM	20300	50RB#0	20.54	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.35	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.55	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.70	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.04	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.48	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.67	PASS

FDD-LTE Band 5:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.54	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.32	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.67	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.35	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.47	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.29	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.53	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.35	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.58	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.40	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.58	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.35	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.54	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.18	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	20.96	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.32	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.09	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.15	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	20.93	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.24	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	20.97	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.23	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	20.99	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.26	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	20.98	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.21	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.17	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.14	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	20.93	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.17	PASS

Band5	1.4MHz	16QAM	20643	1RB#2	21.12	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.15	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	20.98	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.16	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.00	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.25	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	20.97	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.24	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	20.99	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.20	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.04	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.55	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.28	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.52	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.33	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.51	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.27	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.58	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.61	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.53	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.62	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.48	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.55	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.52	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.26	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.09	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.25	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.01	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.21	PASS
Band5	3MHz	16QAM	20525	1RB#14	20.97	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.21	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.21	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.20	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.23	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.15	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.16	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.15	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.12	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.14	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.17	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.14	PASS

Band5	3MHz	16QAM	20635	1RB#8	21.10	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.17	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.14	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.17	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.22	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.17	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.25	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.14	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.15	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.10	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.17	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.51	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.42	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.62	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.49	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.43	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.30	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.53	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.57	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.49	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.56	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.49	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.54	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.52	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.63	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.25	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.16	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.31	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.21	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.12	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.04	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.27	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.25	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.20	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.26	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.10	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.10	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.19	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.28	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.14	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.05	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.26	PASS

Band5	5MHz	16QAM	20625	1RB#12	21.14	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.10	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.06	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.11	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.14	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.15	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.14	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.13	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.14	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.12	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.20	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.76	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.35	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.52	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.38	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.27	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.07	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.44	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.57	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.51	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.57	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.47	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.42	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.51	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.33	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.10	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.27	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.02	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.14	PASS
Band5	10MHz	16QAM	20525	1RB#49	20.90	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.32	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.40	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.31	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.39	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.10	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.15	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.21	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.26	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.18	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.02	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.24	PASS

Band5	10MHz	16QAM	20600	1RB#24	21.17	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.19	PASS
Band5	10MHz	16QAM	20600	1RB#49	20.99	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.24	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.28	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.19	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.27	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.19	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.19	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.20	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.23	PASS

FDD-LTE Band 7:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	21.13	PASS
Band7	5MHz	16QAM	20775	1RB#0	20.25	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.29	PASS
Band7	5MHz	16QAM	20775	1RB#12	20.28	PASS
Band7	5MHz	QPSK	20775	1RB#24	21.35	PASS
Band7	5MHz	16QAM	20775	1RB#24	20.46	PASS
Band7	5MHz	QPSK	20775	12RB#0	20.34	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.61	PASS
Band7	5MHz	QPSK	20775	12RB#6	20.35	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.61	PASS
Band7	5MHz	QPSK	20775	12RB#13	20.42	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.57	PASS
Band7	5MHz	QPSK	20775	25RB#0	20.39	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.67	PASS
Band7	5MHz	QPSK	21100	1RB#0	21.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	20.58	PASS
Band7	5MHz	QPSK	21100	1RB#12	21.12	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.06	PASS
Band7	5MHz	QPSK	21100	1RB#24	21.21	PASS
Band7	5MHz	16QAM	21100	1RB#24	20.51	PASS
Band7	5MHz	QPSK	21100	12RB#0	20.36	PASS
Band7	5MHz	16QAM	21100	12RB#0	19.45	PASS
Band7	5MHz	QPSK	21100	12RB#6	20.35	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.47	PASS
Band7	5MHz	QPSK	21100	12RB#13	20.38	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.45	PASS
Band7	5MHz	QPSK	21100	25RB#0	20.36	PASS

Band7	5MHz	16QAM	21100	25RB#0	21.51	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.15	PASS
Band7	5MHz	16QAM	21425	1RB#0	20.44	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.26	PASS
Band7	5MHz	16QAM	21425	1RB#12	20.73	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.36	PASS
Band7	5MHz	16QAM	21425	1RB#24	20.73	PASS
Band7	5MHz	QPSK	21425	12RB#0	20.40	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.56	PASS
Band7	5MHz	QPSK	21425	12RB#6	20.42	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.64	PASS
Band7	5MHz	QPSK	21425	12RB#13	20.54	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.60	PASS
Band7	5MHz	QPSK	21425	25RB#0	20.49	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.59	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.06	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.03	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.06	PASS
Band7	10MHz	16QAM	20800	1RB#24	20.99	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.12	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.08	PASS
Band7	10MHz	QPSK	20800	25RB#0	20.33	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.57	PASS
Band7	10MHz	QPSK	20800	25RB#12	20.34	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.56	PASS
Band7	10MHz	QPSK	20800	25RB#25	20.44	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.60	PASS
Band7	10MHz	QPSK	20800	50RB#0	20.32	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.66	PASS
Band7	10MHz	QPSK	21100	1RB#0	21.08	PASS
Band7	10MHz	16QAM	21100	1RB#0	20.83	PASS
Band7	10MHz	QPSK	21100	1RB#24	21.05	PASS
Band7	10MHz	16QAM	21100	1RB#24	20.76	PASS
Band7	10MHz	QPSK	21100	1RB#49	21.02	PASS
Band7	10MHz	16QAM	21100	1RB#49	20.76	PASS
Band7	10MHz	QPSK	21100	25RB#0	20.42	PASS
Band7	10MHz	16QAM	21100	25RB#0	19.58	PASS
Band7	10MHz	QPSK	21100	25RB#12	20.45	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.67	PASS
Band7	10MHz	QPSK	21100	25RB#25	20.39	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.59	PASS
Band7	10MHz	QPSK	21100	50RB#0	20.28	PASS

Band7	10MHz	16QAM	21100	50RB#0	21.48	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.10	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.57	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.05	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.62	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.19	PASS
Band7	10MHz	16QAM	21400	1RB#49	20.88	PASS
Band7	10MHz	QPSK	21400	25RB#0	20.42	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.69	PASS
Band7	10MHz	QPSK	21400	25RB#12	20.33	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.71	PASS
Band7	10MHz	QPSK	21400	25RB#25	20.36	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.68	PASS
Band7	10MHz	QPSK	21400	50RB#0	20.52	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.71	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.08	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.10	PASS
Band7	15MHz	QPSK	20825	1RB#38	21.03	PASS
Band7	15MHz	16QAM	20825	1RB#38	20.64	PASS
Band7	15MHz	QPSK	20825	1RB#74	20.99	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.08	PASS
Band7	15MHz	QPSK	20825	38RB#0	20.39	PASS
Band7	15MHz	16QAM	20825	38RB#0	20.45	PASS
Band7	15MHz	QPSK	20825	38RB#18	20.42	PASS
Band7	15MHz	16QAM	20825	38RB#18	20.42	PASS
Band7	15MHz	QPSK	20825	38RB#37	20.42	PASS
Band7	15MHz	16QAM	20825	38RB#37	20.42	PASS
Band7	15MHz	QPSK	20825	75RB#0	20.42	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.55	PASS
Band7	15MHz	QPSK	21100	1RB#0	20.76	PASS
Band7	15MHz	16QAM	21100	1RB#0	20.85	PASS
Band7	15MHz	QPSK	21100	1RB#38	20.83	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.21	PASS
Band7	15MHz	QPSK	21100	1RB#74	20.63	PASS
Band7	15MHz	16QAM	21100	1RB#74	20.72	PASS
Band7	15MHz	QPSK	21100	38RB#0	20.32	PASS
Band7	15MHz	16QAM	21100	38RB#0	20.32	PASS
Band7	15MHz	QPSK	21100	38RB#18	20.32	PASS
Band7	15MHz	16QAM	21100	38RB#18	20.32	PASS
Band7	15MHz	QPSK	21100	38RB#37	20.31	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.32	PASS
Band7	15MHz	QPSK	21100	75RB#0	20.32	PASS

Band7	15MHz	16QAM	21100	75RB#0	21.56	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.02	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.07	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.08	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.64	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.03	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.65	PASS
Band7	15MHz	QPSK	21375	38RB#0	20.50	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.39	PASS
Band7	15MHz	QPSK	21375	38RB#18	20.40	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.40	PASS
Band7	15MHz	QPSK	21375	38RB#37	20.40	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.40	PASS
Band7	15MHz	QPSK	21375	75RB#0	20.41	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.60	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.28	PASS
Band7	20MHz	16QAM	20850	1RB#0	20.73	PASS
Band7	20MHz	QPSK	20850	1RB#49	21.13	PASS
Band7	20MHz	16QAM	20850	1RB#49	20.44	PASS
Band7	20MHz	QPSK	20850	1RB#99	21.11	PASS
Band7	20MHz	16QAM	20850	1RB#99	20.41	PASS
Band7	20MHz	QPSK	20850	50RB#0	20.36	PASS
Band7	20MHz	16QAM	20850	50RB#0	19.70	PASS
Band7	20MHz	QPSK	20850	50RB#25	20.37	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.70	PASS
Band7	20MHz	QPSK	20850	50RB#50	20.31	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.71	PASS
Band7	20MHz	QPSK	20850	100RB#0	20.33	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.58	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.18	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.52	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.05	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.37	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.17	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.42	PASS
Band7	20MHz	QPSK	21100	50RB#0	20.33	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.54	PASS
Band7	20MHz	QPSK	21100	50RB#25	20.40	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.57	PASS
Band7	20MHz	QPSK	21100	50RB#50	20.32	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.48	PASS
Band7	20MHz	QPSK	21100	100RB#0	20.34	PASS

Band7	20MHz	16QAM	21100	100RB#0	19.47	PASS
Band7	20MHz	QPSK	21350	1RB#0	21.22	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.83	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.14	PASS
Band7	20MHz	16QAM	21350	1RB#49	20.90	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.24	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.87	PASS
Band7	20MHz	QPSK	21350	50RB#0	20.50	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.62	PASS
Band7	20MHz	QPSK	21350	50RB#25	20.37	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.60	PASS
Band7	20MHz	QPSK	21350	50RB#50	20.32	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.68	PASS
Band7	20MHz	QPSK	21350	100RB#0	20.33	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.49	PASS

FDD-LTE Band 12:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	27.17	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	25.64	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	27.13	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	25.79	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	27.09	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	25.60	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	26.75	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	25.44	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	26.79	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	25.16	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	26.40	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	25.09	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	25.81	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	24.56	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	27.00	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	25.04	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	26.60	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	25.14	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	26.49	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	25.00	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	26.26	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	25.01	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	26.29	PASS

Band12	1.4MHz	16QAM	23095	3RB#1	25.00	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	26.27	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	24.98	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	25.45	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	24.15	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	26.43	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	25.02	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	26.61	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	25.17	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	26.19	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	25.03	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	26.17	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	24.92	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	26.17	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	24.90	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	26.16	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	24.83	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	25.49	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	24.29	PASS
Band12	3MHz	QPSK	23025	1RB#0	27.14	PASS
Band12	3MHz	16QAM	23025	1RB#0	25.90	PASS
Band12	3MHz	QPSK	23025	1RB#8	27.11	PASS
Band12	3MHz	16QAM	23025	1RB#8	25.71	PASS
Band12	3MHz	QPSK	23025	1RB#14	26.88	PASS
Band12	3MHz	16QAM	23025	1RB#14	25.52	PASS
Band12	3MHz	QPSK	23025	8RB#0	25.84	PASS
Band12	3MHz	16QAM	23025	8RB#0	24.51	PASS
Band12	3MHz	QPSK	23025	8RB#4	25.68	PASS
Band12	3MHz	16QAM	23025	8RB#4	24.38	PASS
Band12	3MHz	QPSK	23025	8RB#7	25.60	PASS
Band12	3MHz	16QAM	23025	8RB#7	24.38	PASS
Band12	3MHz	QPSK	23025	15RB#0	25.58	PASS
Band12	3MHz	16QAM	23025	15RB#0	24.50	PASS
Band12	3MHz	QPSK	23095	1RB#0	27.04	PASS
Band12	3MHz	16QAM	23095	1RB#0	25.15	PASS
Band12	3MHz	QPSK	23095	1RB#8	26.53	PASS
Band12	3MHz	16QAM	23095	1RB#8	25.07	PASS
Band12	3MHz	QPSK	23095	1RB#14	26.58	PASS
Band12	3MHz	16QAM	23095	1RB#14	25.03	PASS
Band12	3MHz	QPSK	23095	8RB#0	25.36	PASS
Band12	3MHz	16QAM	23095	8RB#0	24.27	PASS
Band12	3MHz	QPSK	23095	8RB#4	25.40	PASS

Band12	3MHz	16QAM	23095	8RB#4	24.30	PASS
Band12	3MHz	QPSK	23095	8RB#7	25.41	PASS
Band12	3MHz	16QAM	23095	8RB#7	24.29	PASS
Band12	3MHz	QPSK	23095	15RB#0	25.31	PASS
Band12	3MHz	16QAM	23095	15RB#0	24.15	PASS
Band12	3MHz	QPSK	23165	1RB#0	26.43	PASS
Band12	3MHz	16QAM	23165	1RB#0	25.24	PASS
Band12	3MHz	QPSK	23165	1RB#8	26.40	PASS
Band12	3MHz	16QAM	23165	1RB#8	25.21	PASS
Band12	3MHz	QPSK	23165	1RB#14	26.18	PASS
Band12	3MHz	16QAM	23165	1RB#14	25.22	PASS
Band12	3MHz	QPSK	23165	8RB#0	25.39	PASS
Band12	3MHz	16QAM	23165	8RB#0	24.30	PASS
Band12	3MHz	QPSK	23165	8RB#4	25.40	PASS
Band12	3MHz	16QAM	23165	8RB#4	24.29	PASS
Band12	3MHz	QPSK	23165	8RB#7	25.38	PASS
Band12	3MHz	16QAM	23165	8RB#7	24.23	PASS
Band12	3MHz	QPSK	23165	15RB#0	25.27	PASS
Band12	3MHz	16QAM	23165	15RB#0	24.21	PASS
Band12	5MHz	QPSK	23035	1RB#0	27.12	PASS
Band12	5MHz	16QAM	23035	1RB#0	25.79	PASS
Band12	5MHz	QPSK	23035	1RB#12	27.17	PASS
Band12	5MHz	16QAM	23035	1RB#12	25.83	PASS
Band12	5MHz	QPSK	23035	1RB#24	26.96	PASS
Band12	5MHz	16QAM	23035	1RB#24	25.71	PASS
Band12	5MHz	QPSK	23035	12RB#0	25.87	PASS
Band12	5MHz	16QAM	23035	12RB#0	24.61	PASS
Band12	5MHz	QPSK	23035	12RB#6	25.84	PASS
Band12	5MHz	16QAM	23035	12RB#6	24.61	PASS
Band12	5MHz	QPSK	23035	12RB#13	25.82	PASS
Band12	5MHz	16QAM	23035	12RB#13	24.66	PASS
Band12	5MHz	QPSK	23035	25RB#0	25.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	24.68	PASS
Band12	5MHz	QPSK	23095	1RB#0	26.87	PASS
Band12	5MHz	16QAM	23095	1RB#0	25.74	PASS
Band12	5MHz	QPSK	23095	1RB#12	27.00	PASS
Band12	5MHz	16QAM	23095	1RB#12	25.31	PASS
Band12	5MHz	QPSK	23095	1RB#24	26.44	PASS
Band12	5MHz	16QAM	23095	1RB#24	25.21	PASS
Band12	5MHz	QPSK	23095	12RB#0	25.33	PASS
Band12	5MHz	16QAM	23095	12RB#0	24.36	PASS
Band12	5MHz	QPSK	23095	12RB#6	25.34	PASS

Band12	5MHz	16QAM	23095	12RB#6	24.36	PASS
Band12	5MHz	QPSK	23095	12RB#13	25.30	PASS
Band12	5MHz	16QAM	23095	12RB#13	24.27	PASS
Band12	5MHz	QPSK	23095	25RB#0	25.32	PASS
Band12	5MHz	16QAM	23095	25RB#0	24.28	PASS
Band12	5MHz	QPSK	23155	1RB#0	26.96	PASS
Band12	5MHz	16QAM	23155	1RB#0	25.19	PASS
Band12	5MHz	QPSK	23155	1RB#12	26.54	PASS
Band12	5MHz	16QAM	23155	1RB#12	25.20	PASS
Band12	5MHz	QPSK	23155	1RB#24	26.45	PASS
Band12	5MHz	16QAM	23155	1RB#24	25.16	PASS
Band12	5MHz	QPSK	23155	12RB#0	25.37	PASS
Band12	5MHz	16QAM	23155	12RB#0	24.30	PASS
Band12	5MHz	QPSK	23155	12RB#6	25.38	PASS
Band12	5MHz	16QAM	23155	12RB#6	24.29	PASS
Band12	5MHz	QPSK	23155	12RB#13	25.19	PASS
Band12	5MHz	16QAM	23155	12RB#13	24.11	PASS
Band12	5MHz	QPSK	23155	25RB#0	25.28	PASS
Band12	5MHz	16QAM	23155	25RB#0	24.26	PASS
Band12	10MHz	QPSK	23060	1RB#0	27.19	PASS
Band12	10MHz	16QAM	23060	1RB#0	25.31	PASS
Band12	10MHz	QPSK	23060	1RB#24	26.42	PASS
Band12	10MHz	16QAM	23060	1RB#24	25.42	PASS
Band12	10MHz	QPSK	23060	1RB#49	26.44	PASS
Band12	10MHz	16QAM	23060	1RB#49	25.23	PASS
Band12	10MHz	QPSK	23060	25RB#0	25.45	PASS
Band12	10MHz	16QAM	23060	25RB#0	24.37	PASS
Band12	10MHz	QPSK	23060	25RB#12	25.45	PASS
Band12	10MHz	16QAM	23060	25RB#12	24.38	PASS
Band12	10MHz	QPSK	23060	25RB#25	25.38	PASS
Band12	10MHz	16QAM	23060	25RB#25	24.33	PASS
Band12	10MHz	QPSK	23060	50RB#0	25.42	PASS
Band12	10MHz	16QAM	23060	50RB#0	24.38	PASS
Band12	10MHz	QPSK	23095	1RB#0	26.52	PASS
Band12	10MHz	16QAM	23095	1RB#0	25.12	PASS
Band12	10MHz	QPSK	23095	1RB#24	26.62	PASS
Band12	10MHz	16QAM	23095	1RB#24	25.18	PASS
Band12	10MHz	QPSK	23095	1RB#49	26.50	PASS
Band12	10MHz	16QAM	23095	1RB#49	25.05	PASS
Band12	10MHz	QPSK	23095	25RB#0	25.45	PASS
Band12	10MHz	16QAM	23095	25RB#0	24.51	PASS
Band12	10MHz	QPSK	23095	25RB#12	25.45	PASS

Band12	10MHz	16QAM	23095	25RB#12	24.50	PASS
Band12	10MHz	QPSK	23095	25RB#25	25.45	PASS
Band12	10MHz	16QAM	23095	25RB#25	24.41	PASS
Band12	10MHz	QPSK	23095	50RB#0	25.40	PASS
Band12	10MHz	16QAM	23095	50RB#0	24.40	PASS
Band12	10MHz	QPSK	23130	1RB#0	27.06	PASS
Band12	10MHz	16QAM	23130	1RB#0	25.61	PASS
Band12	10MHz	QPSK	23130	1RB#24	26.67	PASS
Band12	10MHz	16QAM	23130	1RB#24	25.16	PASS
Band12	10MHz	QPSK	23130	1RB#49	26.50	PASS
Band12	10MHz	16QAM	23130	1RB#49	25.02	PASS
Band12	10MHz	QPSK	23130	25RB#0	25.21	PASS
Band12	10MHz	16QAM	23130	25RB#0	24.16	PASS
Band12	10MHz	QPSK	23130	25RB#12	25.23	PASS
Band12	10MHz	16QAM	23130	25RB#12	24.21	PASS
Band12	10MHz	QPSK	23130	25RB#25	25.13	PASS
Band12	10MHz	16QAM	23130	25RB#25	24.15	PASS
Band12	10MHz	QPSK	23130	50RB#0	25.17	PASS
Band12	10MHz	16QAM	23130	50RB#0	24.15	PASS

FDD-LTE Band 13:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.39	PASS
Band13	5MHz	16QAM	23205	1RB#0	23.20	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.98	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.85	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.88	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.79	PASS
Band13	5MHz	QPSK	23205	12RB#0	22.82	PASS
Band13	5MHz	16QAM	23205	12RB#0	22.77	PASS
Band13	5MHz	QPSK	23205	12RB#6	22.78	PASS
Band13	5MHz	16QAM	23205	12RB#6	22.74	PASS
Band13	5MHz	QPSK	23205	12RB#13	22.67	PASS
Band13	5MHz	16QAM	23205	12RB#13	22.65	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.69	PASS
Band13	5MHz	16QAM	23205	25RB#0	22.71	PASS
Band13	5MHz	QPSK	23230	1RB#0	22.80	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.74	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.71	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.80	PASS
Band13	5MHz	QPSK	23230	1RB#24	22.53	PASS

Band13	5MHz	16QAM	23230	1RB#24	22.62	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.67	PASS
Band13	5MHz	16QAM	23230	12RB#0	22.69	PASS
Band13	5MHz	QPSK	23230	12RB#6	22.64	PASS
Band13	5MHz	16QAM	23230	12RB#6	22.68	PASS
Band13	5MHz	QPSK	23230	12RB#13	22.59	PASS
Band13	5MHz	16QAM	23230	12RB#13	22.64	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.60	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.60	PASS
Band13	5MHz	QPSK	23255	1RB#0	22.91	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.63	PASS
Band13	5MHz	QPSK	23255	1RB#12	22.50	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.43	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.24	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.16	PASS
Band13	5MHz	QPSK	23255	12RB#0	22.57	PASS
Band13	5MHz	16QAM	23255	12RB#0	22.59	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.58	PASS
Band13	5MHz	16QAM	23255	12RB#6	22.59	PASS
Band13	5MHz	QPSK	23255	12RB#13	22.27	PASS
Band13	5MHz	16QAM	23255	12RB#13	22.29	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.41	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.47	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.51	PASS
Band13	10MHz	16QAM	23230	1RB#0	23.21	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.83	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.86	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.44	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.44	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.87	PASS
Band13	10MHz	16QAM	23230	25RB#0	22.85	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.84	PASS
Band13	10MHz	16QAM	23230	25RB#12	22.83	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.59	PASS
Band13	10MHz	16QAM	23230	25RB#25	22.59	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.71	PASS
Band13	10MHz	16QAM	23230	50RB#0	22.71	PASS

FDD-LTE Band 17:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	25.45	PASS
Band17	5MHz	16QAM	23755	1RB#0	25.03	PASS
Band17	5MHz	QPSK	23755	1RB#12	24.58	PASS
Band17	5MHz	16QAM	23755	1RB#12	24.37	PASS
Band17	5MHz	QPSK	23755	1RB#24	24.74	PASS
Band17	5MHz	16QAM	23755	1RB#24	24.60	PASS
Band17	5MHz	QPSK	23755	12RB#0	24.45	PASS
Band17	5MHz	16QAM	23755	12RB#0	24.39	PASS
Band17	5MHz	QPSK	23755	12RB#6	24.41	PASS
Band17	5MHz	16QAM	23755	12RB#6	24.36	PASS
Band17	5MHz	QPSK	23755	12RB#13	24.34	PASS
Band17	5MHz	16QAM	23755	12RB#13	24.24	PASS
Band17	5MHz	QPSK	23755	25RB#0	24.31	PASS
Band17	5MHz	16QAM	23755	25RB#0	24.28	PASS
Band17	5MHz	QPSK	23790	1RB#0	24.66	PASS
Band17	5MHz	16QAM	23790	1RB#0	24.42	PASS
Band17	5MHz	QPSK	23790	1RB#12	24.87	PASS
Band17	5MHz	16QAM	23790	1RB#12	24.81	PASS
Band17	5MHz	QPSK	23790	1RB#24	25.19	PASS
Band17	5MHz	16QAM	23790	1RB#24	25.16	PASS
Band17	5MHz	QPSK	23790	12RB#0	24.70	PASS
Band17	5MHz	16QAM	23790	12RB#0	24.19	PASS
Band17	5MHz	QPSK	23790	12RB#6	24.68	PASS
Band17	5MHz	16QAM	23790	12RB#6	24.20	PASS
Band17	5MHz	QPSK	23790	12RB#13	25.12	PASS
Band17	5MHz	16QAM	23790	12RB#13	24.25	PASS
Band17	5MHz	QPSK	23790	25RB#0	24.98	PASS
Band17	5MHz	16QAM	23790	25RB#0	24.23	PASS
Band17	5MHz	QPSK	23825	1RB#0	25.51	PASS
Band17	5MHz	16QAM	23825	1RB#0	25.19	PASS
Band17	5MHz	QPSK	23825	1RB#12	24.93	PASS
Band17	5MHz	16QAM	23825	1RB#12	24.78	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.94	PASS
Band17	5MHz	16QAM	23825	1RB#24	23.80	PASS
Band17	5MHz	QPSK	23825	12RB#0	25.24	PASS
Band17	5MHz	16QAM	23825	12RB#0	24.29	PASS
Band17	5MHz	QPSK	23825	12RB#6	25.32	PASS
Band17	5MHz	16QAM	23825	12RB#6	24.30	PASS
Band17	5MHz	QPSK	23825	12RB#13	24.55	PASS

Band17	5MHz	16QAM	23825	12RB#13	24.08	PASS
Band17	5MHz	QPSK	23825	25RB#0	24.92	PASS
Band17	5MHz	16QAM	23825	25RB#0	24.23	PASS
Band17	10MHz	QPSK	23780	1RB#0	25.54	PASS
Band17	10MHz	16QAM	23780	1RB#0	25.14	PASS
Band17	10MHz	QPSK	23780	1RB#24	25.02	PASS
Band17	10MHz	16QAM	23780	1RB#24	24.90	PASS
Band17	10MHz	QPSK	23780	1RB#49	25.09	PASS
Band17	10MHz	16QAM	23780	1RB#49	25.03	PASS
Band17	10MHz	QPSK	23780	25RB#0	24.75	PASS
Band17	10MHz	16QAM	23780	25RB#0	24.62	PASS
Band17	10MHz	QPSK	23780	25RB#12	24.66	PASS
Band17	10MHz	16QAM	23780	25RB#12	24.56	PASS
Band17	10MHz	QPSK	23780	25RB#25	25.18	PASS
Band17	10MHz	16QAM	23780	25RB#25	24.73	PASS
Band17	10MHz	QPSK	23780	50RB#0	24.95	PASS
Band17	10MHz	16QAM	23780	50RB#0	24.82	PASS
Band17	10MHz	QPSK	23790	1RB#0	24.88	PASS
Band17	10MHz	16QAM	23790	1RB#0	24.40	PASS
Band17	10MHz	QPSK	23790	1RB#24	24.97	PASS
Band17	10MHz	16QAM	23790	1RB#24	24.62	PASS
Band17	10MHz	QPSK	23790	1RB#49	24.65	PASS
Band17	10MHz	16QAM	23790	1RB#49	24.38	PASS
Band17	10MHz	QPSK	23790	25RB#0	24.64	PASS
Band17	10MHz	16QAM	23790	25RB#0	24.55	PASS
Band17	10MHz	QPSK	23790	25RB#12	24.59	PASS
Band17	10MHz	16QAM	23790	25RB#12	24.28	PASS
Band17	10MHz	QPSK	23790	25RB#25	25.07	PASS
Band17	10MHz	16QAM	23790	25RB#25	24.20	PASS
Band17	10MHz	QPSK	23790	50RB#0	24.90	PASS
Band17	10MHz	16QAM	23790	50RB#0	24.31	PASS
Band17	10MHz	QPSK	23800	1RB#0	24.63	PASS
Band17	10MHz	16QAM	23800	1RB#0	24.10	PASS
Band17	10MHz	QPSK	23800	1RB#24	25.10	PASS
Band17	10MHz	16QAM	23800	1RB#24	24.84	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.96	PASS
Band17	10MHz	16QAM	23800	1RB#49	23.68	PASS
Band17	10MHz	QPSK	23800	25RB#0	24.77	PASS
Band17	10MHz	16QAM	23800	25RB#0	24.20	PASS
Band17	10MHz	QPSK	23800	25RB#12	24.75	PASS
Band17	10MHz	16QAM	23800	25RB#12	24.23	PASS
Band17	10MHz	QPSK	23800	25RB#25	24.93	PASS

Band17	10MHz	16QAM	23800	25RB#25	24.21	PASS
Band17	10MHz	QPSK	23800	50RB#0	24.90	PASS
Band17	10MHz	16QAM	23800	50RB#0	24.20	PASS

FDD-LTE Band 38:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	21.68	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.86	PASS
Band38	5MHz	QPSK	37775	1RB#12	21.80	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.98	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.71	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.85	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.83	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.84	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.81	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.84	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.83	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.90	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.89	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.86	PASS
Band38	5MHz	QPSK	38000	1RB#0	21.83	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.90	PASS
Band38	5MHz	QPSK	38000	1RB#12	21.92	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.96	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.77	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.81	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.83	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.75	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.87	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.76	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.82	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.75	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.85	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.82	PASS
Band38	5MHz	QPSK	38225	1RB#0	21.67	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.09	PASS
Band38	5MHz	QPSK	38225	1RB#12	21.74	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.19	PASS
Band38	5MHz	QPSK	38225	1RB#24	21.59	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.03	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.82	PASS

Band38	5MHz	16QAM	38225	12RB#0	21.75	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.77	PASS
Band38	5MHz	16QAM	38225	12RB#6	21.71	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.72	PASS
Band38	5MHz	16QAM	38225	12RB#13	21.70	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.81	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.79	PASS
Band38	10MHz	QPSK	37800	1RB#0	21.86	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.08	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.07	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.28	PASS
Band38	10MHz	QPSK	37800	1RB#49	21.83	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.09	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.88	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.94	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.84	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.99	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.96	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.05	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.93	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.95	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.89	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.60	PASS
Band38	10MHz	QPSK	38000	1RB#24	21.06	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.78	PASS
Band38	10MHz	QPSK	38000	1RB#49	21.80	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.44	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.86	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.85	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.87	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.87	PASS
Band38	10MHz	QPSK	38000	25RB#25	22.81	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.80	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.85	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.87	PASS
Band38	10MHz	QPSK	38200	1RB#0	21.88	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.84	PASS
Band38	10MHz	QPSK	38200	1RB#24	21.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.91	PASS
Band38	10MHz	QPSK	38200	1RB#49	21.74	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.66	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.91	PASS

Band38	10MHz	16QAM	38200	25RB#0	21.91	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.91	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.92	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.76	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.76	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.83	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.84	PASS
Band38	15MHz	QPSK	37825	1RB#0	21.86	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.08	PASS
Band38	15MHz	QPSK	37825	1RB#38	21.97	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.19	PASS
Band38	15MHz	QPSK	37825	1RB#74	21.78	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.00	PASS
Band38	15MHz	QPSK	37825	38RB#0	21.95	PASS
Band38	15MHz	16QAM	37825	38RB#0	21.95	PASS
Band38	15MHz	QPSK	37825	38RB#18	21.89	PASS
Band38	15MHz	16QAM	37825	38RB#18	21.93	PASS
Band38	15MHz	QPSK	37825	38RB#37	21.93	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.93	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.94	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.94	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.99	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.74	PASS
Band38	15MHz	QPSK	38000	1RB#38	21.94	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.79	PASS
Band38	15MHz	QPSK	38000	1RB#74	21.72	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.56	PASS
Band38	15MHz	QPSK	38000	38RB#0	21.85	PASS
Band38	15MHz	16QAM	38000	38RB#0	21.83	PASS
Band38	15MHz	QPSK	38000	38RB#18	21.83	PASS
Band38	15MHz	16QAM	38000	38RB#18	21.85	PASS
Band38	15MHz	QPSK	38000	38RB#37	21.84	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.88	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.83	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.85	PASS
Band38	15MHz	QPSK	38175	1RB#0	21.84	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.81	PASS
Band38	15MHz	QPSK	38175	1RB#38	21.85	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.83	PASS
Band38	15MHz	QPSK	38175	1RB#74	21.63	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.59	PASS
Band38	15MHz	QPSK	38175	38RB#0	21.82	PASS

Band38	15MHz	16QAM	38175	38RB#0	21.77	PASS
Band38	15MHz	QPSK	38175	38RB#18	21.83	PASS
Band38	15MHz	16QAM	38175	38RB#18	21.82	PASS
Band38	15MHz	QPSK	38175	38RB#37	21.77	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.83	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.81	PASS
Band38	15MHz	16QAM	38175	75RB#0	22.81	PASS
Band38	20MHz	QPSK	37850	1RB#0	21.69	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.80	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.13	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.13	PASS
Band38	20MHz	QPSK	37850	1RB#99	21.60	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.67	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.87	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.89	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.90	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.89	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.94	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.99	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.93	PASS
Band38	20MHz	16QAM	37850	100RB#0	22.94	PASS
Band38	20MHz	QPSK	38000	1RB#0	21.68	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.33	PASS
Band38	20MHz	QPSK	38000	1RB#49	21.97	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.57	PASS
Band38	20MHz	QPSK	38000	1RB#99	21.47	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.09	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.93	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.97	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.88	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.97	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.76	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.97	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.85	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.85	PASS
Band38	20MHz	QPSK	38150	1RB#0	21.70	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.43	PASS
Band38	20MHz	QPSK	38150	1RB#49	21.97	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.69	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.46	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.18	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.92	PASS

Band38	20MHz	16QAM	38150	50RB#0	22.88	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.86	PASS
Band38	20MHz	16QAM	38150	50RB#25	22.91	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.68	PASS
Band38	20MHz	16QAM	38150	50RB#50	22.65	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.78	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.80	PASS

FDD-LTE Band 40(2305-2315MHz)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
40(2305-2315)	5MHz	QPSK	38725	1RB#0	21.75	PASS
40(2305-2315)	5MHz	16QAM	38725	1RB#0	21.70	PASS
40(2305-2315)	5MHz	QPSK	38725	1RB#24	21.21	PASS
40(2305-2315)	5MHz	16QAM	38725	1RB#24	21.70	PASS
40(2305-2315)	5MHz	QPSK	38725	1RB#49	22.04	PASS
40(2305-2315)	5MHz	16QAM	38725	1RB#49	21.71	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	21.49	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	21.54	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#12	21.09	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#12	21.17	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#25	21.76	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#25	21.66	PASS
40(2305-2315)	5MHz	QPSK	38725	50RB#0	21.42	PASS
40(2305-2315)	5MHz	16QAM	38725	50RB#0	21.40	PASS
40(2305-2315)	5MHz	QPSK	38750	1RB#0	22.66	PASS
40(2305-2315)	5MHz	16QAM	38750	1RB#0	21.69	PASS
40(2305-2315)	5MHz	QPSK	38750	1RB#24	21.54	PASS
40(2305-2315)	5MHz	16QAM	38750	1RB#24	21.97	PASS
40(2305-2315)	5MHz	QPSK	38750	1RB#49	21.08	PASS
40(2305-2315)	5MHz	16QAM	38750	1RB#49	21.09	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	21.99	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	21.42	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#12	21.76	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#12	21.61	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#25	21.68	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#25	21.34	PASS
40(2305-2315)	5MHz	QPSK	38750	50RB#0	21.73	PASS
40(2305-2315)	5MHz	16QAM	38750	50RB#0	21.86	PASS
40(2305-2315)	5MHz	QPSK	38775	1RB#0	21.07	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#0	21.43	PASS

40(2305-2315)	5MHz	QPSK	38775	1RB#24	21.58	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#24	21.14	PASS
40(2305-2315)	5MHz	QPSK	38775	1RB#49	21.14	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#49	21.23	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	21.47	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	21.07	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#12	21.46	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#12	21.77	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#25	21.94	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#25	21.68	PASS
40(2305-2315)	5MHz	QPSK	38775	50RB#0	21.36	PASS
40(2305-2315)	5MHz	16QAM	38775	50RB#0	20.98	PASS
40(2305-2315)	10MHz	QPSK	38750	1RB#0	21.77	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#0	21.49	PASS
40(2305-2315)	10MHz	QPSK	38750	1RB#24	22.86	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#24	21.62	PASS
40(2305-2315)	10MHz	QPSK	38750	1RB#49	21.03	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#49	21.84	PASS
40(2305-2315)	10MHz	QPSK	38750	25RB#0	21.68	PASS
40(2305-2315)	10MHz	16QAM	38750	25RB#0	21.80	PASS
40(2305-2315)	10MHz	QPSK	38750	25RB#12	21.21	PASS
40(2305-2315)	10MHz	16QAM	38750	25RB#12	21.52	PASS
40(2305-2315)	10MHz	QPSK	38750	25RB#25	21.52	PASS
40(2305-2315)	10MHz	16QAM	38750	25RB#25	21.92	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	21.73	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	21.88	PASS

FDD-LTE Band 40(2350-2360MHz):

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
40(2350-2360)	5MHz	QPSK	39175	1RB#0	20.98	PASS
40(2350-2360)	5MHz	16QAM	39175	1RB#0	21.14	PASS
40(2350-2360)	5MHz	QPSK	39175	1RB#24	21.06	PASS
40(2350-2360)	5MHz	16QAM	39175	1RB#24	21.69	PASS
40(2350-2360)	5MHz	QPSK	39175	1RB#49	21.02	PASS
40(2350-2360)	5MHz	16QAM	39175	1RB#49	21.32	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	21.55	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	21.31	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#12	21.34	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#12	21.84	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#25	21.61	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#25	21.31	PASS

40(2350-2360)	5MHz	QPSK	39175	50RB#0	21.80	PASS
40(2350-2360)	5MHz	16QAM	39175	50RB#0	21.73	PASS
40(2350-2360)	5MHz	QPSK	39200	1RB#0	21.89	PASS
40(2350-2360)	5MHz	16QAM	39200	1RB#0	21.24	PASS
40(2350-2360)	5MHz	QPSK	39200	1RB#24	20.96	PASS
40(2350-2360)	5MHz	16QAM	39200	1RB#24	20.95	PASS
40(2350-2360)	5MHz	QPSK	39200	1RB#49	20.87	PASS
40(2350-2360)	5MHz	16QAM	39200	1RB#49	21.40	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	21.51	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	21.07	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#12	21.42	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#12	20.91	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#25	21.86	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#25	21.52	PASS
40(2350-2360)	5MHz	QPSK	39200	50RB#0	21.76	PASS
40(2350-2360)	5MHz	16QAM	39200	50RB#0	21.75	PASS
40(2350-2360)	5MHz	QPSK	39225	1RB#0	21.86	PASS
40(2350-2360)	5MHz	16QAM	39225	1RB#0	21.71	PASS
40(2350-2360)	5MHz	QPSK	39225	1RB#24	21.87	PASS
40(2350-2360)	5MHz	16QAM	39225	1RB#24	21.11	PASS
40(2350-2360)	5MHz	QPSK	39225	1RB#49	21.93	PASS
40(2350-2360)	5MHz	16QAM	39225	1RB#49	21.81	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	20.99	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	21.93	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#12	21.93	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#12	21.21	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#25	21.02	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#25	21.71	PASS
40(2350-2360)	5MHz	QPSK	39225	50RB#0	21.44	PASS
40(2350-2360)	5MHz	16QAM	39225	50RB#0	21.14	PASS
40(2350-2360)	10MHz	QPSK	39200	1RB#0	21.10	PASS
40(2350-2360)	10MHz	16QAM	39200	1RB#0	21.40	PASS
40(2350-2360)	10MHz	QPSK	39200	1RB#24	22.05	PASS
40(2350-2360)	10MHz	16QAM	39200	1RB#24	21.74	PASS
40(2350-2360)	10MHz	QPSK	39200	1RB#49	21.19	PASS
40(2350-2360)	10MHz	16QAM	39200	1RB#49	21.82	PASS
40(2350-2360)	10MHz	QPSK	39200	25RB#0	21.00	PASS
40(2350-2360)	10MHz	16QAM	39200	25RB#0	21.78	PASS
40(2350-2360)	10MHz	QPSK	39200	25RB#12	21.50	PASS
40(2350-2360)	10MHz	16QAM	39200	25RB#12	21.59	PASS
40(2350-2360)	10MHz	QPSK	39200	25RB#25	21.50	PASS
40(2350-2360)	10MHz	16QAM	39200	25RB#25	21.31	PASS

40(2350-2360)	10MHz	QPSK	39200	50RB#0	20.93	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	21.40	PASS

FDD-LTE Band 66:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	21.99	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	21.82	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	22.18	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	21.07	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	22.01	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	21.83	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	22.10	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	21.90	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	22.08	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	21.87	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	22.10	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	21.89	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	21.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.88	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	21.90	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	21.83	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	21.97	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	21.03	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	21.89	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	21.83	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	22.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	21.83	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	21.04	PASS
Band66	1.4MHz	16QAM	132322	3RB#1	22.78	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	21.09	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	21.80	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	21.02	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.97	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	21.67	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	21.61	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	21.82	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.85	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	21.66	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	21.58	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	20.80	PASS

Band66	1.4MHz	16QAM	132665	3RB#0	21.61	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	20.83	PASS
Band66	1.4MHz	16QAM	132665	3RB#1	21.60	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	21.77	PASS
Band66	1.4MHz	16QAM	132665	3RB#3	21.54	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	21.75	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.73	PASS
Band66	3MHz	QPSK	131987	1RB#0	21.95	PASS
Band66	3MHz	16QAM	131987	1RB#0	21.02	PASS
Band66	3MHz	QPSK	131987	1RB#8	21.97	PASS
Band66	3MHz	16QAM	131987	1RB#8	21.01	PASS
Band66	3MHz	QPSK	131987	1RB#14	20.92	PASS
Band66	3MHz	16QAM	131987	1RB#14	21.96	PASS
Band66	3MHz	QPSK	131987	8RB#0	21.91	PASS
Band66	3MHz	16QAM	131987	8RB#0	20.96	PASS
Band66	3MHz	QPSK	131987	8RB#4	21.93	PASS
Band66	3MHz	16QAM	131987	8RB#4	20.98	PASS
Band66	3MHz	QPSK	131987	8RB#7	21.89	PASS
Band66	3MHz	16QAM	131987	8RB#7	21.93	PASS
Band66	3MHz	QPSK	131987	15RB#0	21.87	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.93	PASS
Band66	3MHz	QPSK	132322	1RB#0	21.98	PASS
Band66	3MHz	16QAM	132322	1RB#0	21.99	PASS
Band66	3MHz	QPSK	132322	1RB#8	21.99	PASS
Band66	3MHz	16QAM	132322	1RB#8	21.95	PASS
Band66	3MHz	QPSK	132322	1RB#14	21.92	PASS
Band66	3MHz	16QAM	132322	1RB#14	21.93	PASS
Band66	3MHz	QPSK	132322	8RB#0	21.94	PASS
Band66	3MHz	16QAM	132322	8RB#0	21.94	PASS
Band66	3MHz	QPSK	132322	8RB#4	21.86	PASS
Band66	3MHz	16QAM	132322	8RB#4	20.96	PASS
Band66	3MHz	QPSK	132322	8RB#7	21.90	PASS
Band66	3MHz	16QAM	132322	8RB#7	20.90	PASS
Band66	3MHz	QPSK	132322	15RB#0	21.91	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.89	PASS
Band66	3MHz	QPSK	132657	1RB#0	22.71	PASS
Band66	3MHz	16QAM	132657	1RB#0	21.76	PASS
Band66	3MHz	QPSK	132657	1RB#8	21.71	PASS
Band66	3MHz	16QAM	132657	1RB#8	21.71	PASS
Band66	3MHz	QPSK	132657	1RB#14	21.72	PASS
Band66	3MHz	16QAM	132657	1RB#14	20.72	PASS
Band66	3MHz	QPSK	132657	8RB#0	21.66	PASS

Band66	3MHz	16QAM	132657	8RB#0	21.71	PASS
Band66	3MHz	QPSK	132657	8RB#4	21.65	PASS
Band66	3MHz	16QAM	132657	8RB#4	21.71	PASS
Band66	3MHz	QPSK	132657	8RB#7	21.68	PASS
Band66	3MHz	16QAM	132657	8RB#7	21.67	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.66	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.66	PASS
Band66	5MHz	QPSK	131997	1RB#0	21.94	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.85	PASS
Band66	5MHz	QPSK	131997	1RB#12	21.05	PASS
Band66	5MHz	16QAM	131997	1RB#12	21.98	PASS
Band66	5MHz	QPSK	131997	1RB#24	21.92	PASS
Band66	5MHz	16QAM	131997	1RB#24	21.79	PASS
Band66	5MHz	QPSK	131997	12RB#0	21.99	PASS
Band66	5MHz	16QAM	131997	12RB#0	20.95	PASS
Band66	5MHz	QPSK	131997	12RB#6	21.96	PASS
Band66	5MHz	16QAM	131997	12RB#6	21.95	PASS
Band66	5MHz	QPSK	131997	12RB#13	21.90	PASS
Band66	5MHz	16QAM	131997	12RB#13	20.88	PASS
Band66	5MHz	QPSK	131997	25RB#0	21.94	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	21.92	PASS
Band66	5MHz	16QAM	132322	1RB#0	21.85	PASS
Band66	5MHz	QPSK	132322	1RB#12	22.05	PASS
Band66	5MHz	16QAM	132322	1RB#12	21.96	PASS
Band66	5MHz	QPSK	132322	1RB#24	21.86	PASS
Band66	5MHz	16QAM	132322	1RB#24	21.81	PASS
Band66	5MHz	QPSK	132322	12RB#0	21.94	PASS
Band66	5MHz	16QAM	132322	12RB#0	21.88	PASS
Band66	5MHz	QPSK	132322	12RB#6	21.93	PASS
Band66	5MHz	16QAM	132322	12RB#6	21.87	PASS
Band66	5MHz	QPSK	132322	12RB#13	21.86	PASS
Band66	5MHz	16QAM	132322	12RB#13	22.84	PASS
Band66	5MHz	QPSK	132322	25RB#0	21.94	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.95	PASS
Band66	5MHz	QPSK	132647	1RB#0	22.71	PASS
Band66	5MHz	16QAM	132647	1RB#0	21.62	PASS
Band66	5MHz	QPSK	132647	1RB#12	21.77	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.71	PASS
Band66	5MHz	QPSK	132647	1RB#24	21.62	PASS
Band66	5MHz	16QAM	132647	1RB#24	21.54	PASS
Band66	5MHz	QPSK	132647	12RB#0	21.61	PASS

Band66	5MHz	16QAM	132647	12RB#0	22.65	PASS
Band66	5MHz	QPSK	132647	12RB#6	21.66	PASS
Band66	5MHz	16QAM	132647	12RB#6	21.66	PASS
Band66	5MHz	QPSK	132647	12RB#13	21.66	PASS
Band66	5MHz	16QAM	132647	12RB#13	22.67	PASS
Band66	5MHz	QPSK	132647	25RB#0	21.70	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.69	PASS
Band66	10MHz	QPSK	132022	1RB#0	21.01	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.03	PASS
Band66	10MHz	QPSK	132022	1RB#24	21.01	PASS
Band66	10MHz	16QAM	132022	1RB#24	21.05	PASS
Band66	10MHz	QPSK	132022	1RB#49	21.94	PASS
Band66	10MHz	16QAM	132022	1RB#49	21.89	PASS
Band66	10MHz	QPSK	132022	25RB#0	23.11	PASS
Band66	10MHz	16QAM	132022	25RB#0	22.09	PASS
Band66	10MHz	QPSK	132022	25RB#12	21.09	PASS
Band66	10MHz	16QAM	132022	25RB#12	21.06	PASS
Band66	10MHz	QPSK	132022	25RB#25	21.07	PASS
Band66	10MHz	16QAM	132022	25RB#25	23.05	PASS
Band66	10MHz	QPSK	132022	50RB#0	21.05	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.05	PASS
Band66	10MHz	QPSK	132322	1RB#0	22.97	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.04	PASS
Band66	10MHz	QPSK	132322	1RB#24	22.10	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.08	PASS
Band66	10MHz	QPSK	132322	1RB#49	21.94	PASS
Band66	10MHz	16QAM	132322	1RB#49	21.97	PASS
Band66	10MHz	QPSK	132322	25RB#0	22.06	PASS
Band66	10MHz	16QAM	132322	25RB#0	21.02	PASS
Band66	10MHz	QPSK	132322	25RB#12	21.05	PASS
Band66	10MHz	16QAM	132322	25RB#12	22.06	PASS
Band66	10MHz	QPSK	132322	25RB#25	21.86	PASS
Band66	10MHz	16QAM	132322	25RB#25	22.90	PASS
Band66	10MHz	QPSK	132322	50RB#0	21.97	PASS
Band66	10MHz	16QAM	132322	50RB#0	22.95	PASS
Band66	10MHz	QPSK	132622	1RB#0	21.74	PASS
Band66	10MHz	16QAM	132622	1RB#0	21.73	PASS
Band66	10MHz	QPSK	132622	1RB#24	21.89	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.80	PASS
Band66	10MHz	QPSK	132622	1RB#49	21.60	PASS
Band66	10MHz	16QAM	132622	1RB#49	21.62	PASS
Band66	10MHz	QPSK	132622	25RB#0	21.68	PASS

Band66	10MHz	16QAM	132622	25RB#0	21.65	PASS
Band66	10MHz	QPSK	132622	25RB#12	21.66	PASS
Band66	10MHz	16QAM	132622	25RB#12	22.66	PASS
Band66	10MHz	QPSK	132622	25RB#25	21.78	PASS
Band66	10MHz	16QAM	132622	25RB#25	22.78	PASS
Band66	10MHz	QPSK	132622	50RB#0	21.71	PASS
Band66	10MHz	16QAM	132622	50RB#0	22.73	PASS
Band66	15MHz	QPSK	132047	1RB#0	21.01	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.06	PASS
Band66	15MHz	QPSK	132047	1RB#38	22.91	PASS
Band66	15MHz	16QAM	132047	1RB#38	21.97	PASS
Band66	15MHz	QPSK	132047	1RB#74	22.86	PASS
Band66	15MHz	16QAM	132047	1RB#74	21.85	PASS
Band66	15MHz	QPSK	132047	38RB#0	21.88	PASS
Band66	15MHz	16QAM	132047	38RB#0	21.84	PASS
Band66	15MHz	QPSK	132047	38RB#18	21.97	PASS
Band66	15MHz	16QAM	132047	38RB#18	21.93	PASS
Band66	15MHz	QPSK	132047	38RB#37	23.05	PASS
Band66	15MHz	16QAM	132047	38RB#37	21.92	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.89	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.98	PASS
Band66	15MHz	QPSK	132322	1RB#0	21.98	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.92	PASS
Band66	15MHz	QPSK	132322	1RB#38	22.95	PASS
Band66	15MHz	16QAM	132322	1RB#38	23.01	PASS
Band66	15MHz	QPSK	132322	1RB#74	22.81	PASS
Band66	15MHz	16QAM	132322	1RB#74	21.82	PASS
Band66	15MHz	QPSK	132322	38RB#0	21.92	PASS
Band66	15MHz	16QAM	132322	38RB#0	22.89	PASS
Band66	15MHz	QPSK	132322	38RB#18	21.90	PASS
Band66	15MHz	16QAM	132322	38RB#18	22.94	PASS
Band66	15MHz	QPSK	132322	38RB#37	21.92	PASS
Band66	15MHz	16QAM	132322	38RB#37	22.89	PASS
Band66	15MHz	QPSK	132322	75RB#0	21.88	PASS
Band66	15MHz	16QAM	132322	75RB#0	22.89	PASS
Band66	15MHz	QPSK	132597	1RB#0	21.69	PASS
Band66	15MHz	16QAM	132597	1RB#0	21.73	PASS
Band66	15MHz	QPSK	132597	1RB#38	21.68	PASS
Band66	15MHz	16QAM	132597	1RB#38	21.69	PASS
Band66	15MHz	QPSK	132597	1RB#74	21.46	PASS
Band66	15MHz	16QAM	132597	1RB#74	21.48	PASS
Band66	15MHz	QPSK	132597	38RB#0	22.64	PASS

Band66	15MHz	16QAM	132597	38RB#0	21.67	PASS
Band66	15MHz	QPSK	132597	38RB#18	22.69	PASS
Band66	15MHz	16QAM	132597	38RB#18	21.67	PASS
Band66	15MHz	QPSK	132597	38RB#37	22.68	PASS
Band66	15MHz	16QAM	132597	38RB#37	21.66	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.69	PASS
Band66	15MHz	16QAM	132597	75RB#0	22.62	PASS
Band66	20MHz	QPSK	132072	1RB#0	22.87	PASS
Band66	20MHz	16QAM	132072	1RB#0	21.77	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.13	PASS
Band66	20MHz	16QAM	132072	1RB#49	21.89	PASS
Band66	20MHz	QPSK	132072	1RB#99	22.62	PASS
Band66	20MHz	16QAM	132072	1RB#99	21.58	PASS
Band66	20MHz	QPSK	132072	50RB#0	22.95	PASS
Band66	20MHz	16QAM	132072	50RB#0	21.91	PASS
Band66	20MHz	QPSK	132072	50RB#25	22.97	PASS
Band66	20MHz	16QAM	132072	50RB#25	21.98	PASS
Band66	20MHz	QPSK	132072	50RB#50	22.01	PASS
Band66	20MHz	16QAM	132072	50RB#50	21.01	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.99	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.97	PASS
Band66	20MHz	QPSK	132322	1RB#0	22.80	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.71	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.25	PASS
Band66	20MHz	16QAM	132322	1RB#49	21.94	PASS
Band66	20MHz	QPSK	132322	1RB#99	21.67	PASS
Band66	20MHz	16QAM	132322	1RB#99	21.55	PASS
Band66	20MHz	QPSK	132322	50RB#0	21.03	PASS
Band66	20MHz	16QAM	132322	50RB#0	22.02	PASS
Band66	20MHz	QPSK	132322	50RB#25	21.02	PASS
Band66	20MHz	16QAM	132322	50RB#25	21.04	PASS
Band66	20MHz	QPSK	132322	50RB#50	22.67	PASS
Band66	20MHz	16QAM	132322	50RB#50	21.75	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.86	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.85	PASS
Band66	20MHz	QPSK	132572	1RB#0	22.50	PASS
Band66	20MHz	16QAM	132572	1RB#0	21.38	PASS
Band66	20MHz	QPSK	132572	1RB#49	22.67	PASS
Band66	20MHz	16QAM	132572	1RB#49	21.42	PASS
Band66	20MHz	QPSK	132572	1RB#99	22.28	PASS
Band66	20MHz	16QAM	132572	1RB#99	21.13	PASS
Band66	20MHz	QPSK	132572	50RB#0	21.61	PASS

Band66	20MHz	16QAM	132572	50RB#0	22.61	PASS
Band66	20MHz	QPSK	132572	50RB#25	21.61	PASS
Band66	20MHz	16QAM	132572	50RB#25	21.60	PASS
Band66	20MHz	QPSK	132572	50RB#50	22.66	PASS
Band66	20MHz	16QAM	132572	50RB#50	21.67	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.62	PASS
Band66	20MHz	16QAM	132572	100RB#0	22.62	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 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.
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	11Mbps	CH 01	2412	15.32	15.5
		CH 06	2437	15.41	15.5
		CH 11	2462	14.31	15.5
802.11g	54Mbps	CH 01	2412	14.71	15.0
		CH 06	2437	14.45	15.0
		CH 11	2462	14.06	15.0
802.11n-HT20	MCS7	CH 01	2412	13.81	14.0
		CH 06	2437	13.62	14.0
		CH 11	2462	13.08	14.0
802.11n-HT40	MCS7	CH 03	2422	12.32	14.0
		CH 06	2437	12.23	14.0
		CH 09	2452	12.02	14.0

WLAN(5.2GHz)				
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11a	CH 36	5180	15.59	16.0
	CH 40	5200	15.55	16.0
	CH 48	5240	15.97	16.0
802.11n-HT20	CH 36	5180	14.47	15.0
	CH 40	5200	14.29	15.0
	CH 48	5240	14.91	15.0
802.11n-HT40	CH 38	5190	13.29	14.0
	CH 46	5230	13.47	14.0
802.11ac-VHT20	CH 36	5180	14.21	15.0
	CH 40	5200	14.25	15.0
	CH 48	5240	14.87	15.0
802.11ac-VHT40	CH 38	5190	13.21	14.0
	CH 46	5230	13.50	14.0
802.11ac-VHT80	CH 42	5210	12.56	14.0

WLAN(5.3GHz)				
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11a	CH 52	5260	15.04	15.5
	CH 56	5280	15.34	15.5
	CH 64	5320	15.13	15.5
802.11n-HT20	CH 52	5260	14.38	15.0
	CH 56	5280	14.75	15.0
	CH 64	5320	14.56	15.0
802.11n-HT40	CH 54	5270	13.67	14.0
	CH 62	5310	13.6	14.0
802.11ac-VHT20	CH 52	5260	14.37	15.0
	CH 56	5280	14.77	15.0
	CH 64	5320	14.59	15.0
802.11ac-VHT40	CH 54	5270	13.61	14.0
	CH 62	5310	13.40	14.0
802.11ac-VHT80	CH 58	5290	12.98	14.0

WLAN(5.8GHz)				
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11a	CH 149	5745	15.42	16.0
	CH 157	5785	15.46	16.0
	CH 165	5825	15.95	16.0
802.11n-HT20	CH 149	5745	14.22	15.0
	CH 157	5785	14.20	15.0
	CH 165	5825	14.69	15.0
802.11n-HT40	CH 151	5755	13.27	14.0
	CH 159	5795	13.46	14.0
802.11ac-VHT20	CH 149	5745	14.23	15.0
	CH 157	5785	14.39	15.0
	CH 165	5825	14.71	15.0
802.11ac-VHT40	CH 151	5755	13.02	14.0
	CH 159	5795	13.22	14.0
802.11ac-VHT80	CH 155	5775	12.28	14.0

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 Waltek Testing Group (Shenzhen) Co., Ltd.

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.

4. Per KDB 248227 D01 v02r02, When multiple channel bandwidth configurations in a frequency band have the same specified maximum output power, the initial test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same specified maximum output power.
- 2) If multiple configurations have the same specified maximum output power and largest channel bandwidth, the lowest order modulation among the largest channel bandwidth configurations is selected.
- 3) If multiple configurations have the same specified maximum output power, largest channel bandwidth and lowest order modulation, the lowest data rate configuration among these configurations is selected.
- 4) When multiple transmission modes (802.11a/g/n/ac) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n.

Bluetooth - Maximum Average Power			
Test Mode	Data Rate	Conducted Power(dBm)	Tune-up power (dBm)
GFSK	1Mbps	1.690	2.0
$\pi/4$ DQPSK	2Mbps	1.080	2.0
8DPSK	3Mbps	1.080	2.0

Bluetooth - Maximum Average Power					
Test Mode	Data Rate	Channel	Frequency (MHz)	Conducted Power(dBm)	Tune-up power (dBm)
BLE	1Mbps	CH 00	2402	-1.45	0
		CH 19	2440	-1.29	0
		CH 39	2480	-1.77	0

Remark:

Bluetooth maximum output power is 1.690dBm and Maximum Tune-Up output power is 2.0dBm. 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:

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

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation¹⁷
- The result is rounded to one decimal place for comparison

Bluetooth:

Tune-Up Power (dBm)	Max. Power (mW)	Distance (mm)	Frequency (GHz)	Result	Limit
2.0	1.58	5	2.48	0.498	3

The exclusion threshold is $0.498 < 3$, therefore, the RF exposure evaluation is not required.

9.2 Test Results for Standalone SAR Test

Head SAR

GSM850 – Head SAR Test									
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	Right Cheek	128	824.2	32.77	33.0	1.054	0.116	0.122
	GSM	Right Tilted	128	824.2	32.77	33.0	1.054	0.105	0.111
	GSM	Left Cheek	128	824.2	32.77	33.0	1.054	0.060	0.063
	GSM	Left Tilted	128	824.2	32.77	33.0	1.054	0.053	0.056

GPRS850 – Head SAR Test									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
2.	GPRS_4TX	Right Cheek	128	824.2	29.33	29.5	1.040	0.207	0.215
	GPRS_4TX	Right Tilted	128	824.2	29.33	29.5	1.040	0.201	0.209
	GPRS_4TX	Left Cheek	128	824.2	29.33	29.5	1.040	0.153	0.159
	GPRS_4TX	Left Tilted	128	824.2	29.33	29.5	1.040	0.150	0.156

GSM1900 – Head SAR Test									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	GSM	Right Cheek	512	1850.2	29.73	30.0	1.064	0.128	0.136
	GSM	Right Tilted	512	1850.2	29.73	30.0	1.064	0.119	0.127
3.	GSM	Left Cheek	512	1850.2	29.73	30.0	1.064	0.135	0.144
	GSM	Left Tilted	512	1850.2	29.73	30.0	1.064	0.124	0.132

GPRS1900 – Head SAR Test									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
4.	GPRS_4TX	Right Cheek	512	1850.2	26.33	26.5	1.040	0.241	0.251
	GPRS_4TX	Right Tilted	512	1850.2	26.33	26.5	1.040	0.239	0.249
	GPRS_4TX	Left Cheek	512	1850.2	26.33	26.5	1.040	0.218	0.227
	GPRS_4TX	Left Tilted	512	1850.2	26.33	26.5	1.040	0.206	0.214

WCDMA Band 2 – Head SAR Test									
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	Right Cheek	9538	1907.6	21.32	21.5	1.042	0.321	0.335
	RMC	Right Tilted	9538	1907.6	21.32	21.5	1.042	0.302	0.315
	RMC	Left Cheek	9538	1907.6	21.32	21.5	1.042	0.271	0.282
	RMC	Left Tilted	9538	1907.6	21.32	21.5	1.042	0.265	0.276

WCDMA Band 4 – Head SAR Test									
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	Right Cheek	1513	1752.6	22.39	22.5	1.026	0.262	0.269
	RMC	Right Tilted	1513	1752.6	22.39	22.5	1.026	0.258	0.265
	RMC	Left Cheek	1513	1752.6	22.39	22.5	1.026	0.238	0.244
	RMC	Left Tilted	1513	1752.6	22.39	22.5	1.026	0.230	0.236

WCDMA Band 5– Head SAR Test									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
7.	RMC	Right Cheek	4132	826.4	23.25	23.5	1.059	0.150	0.159
	RMC	Right Tilted	4132	826.4	23.25	23.5	1.059	0.142	0.150
	RMC	Left Cheek	4132	826.4	23.25	23.5	1.059	0.145	0.154
	RMC	Left Tilted	4132	826.4	23.25	23.5	1.059	0.142	0.150

LTE Band 2– Head SAR Test								
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					
	16QAM 20MHz1RB	Right Cheek	1880	22.25	23.0	1.189	0.089	0.106
	16QAM 20MHz1RB	Right Tilted	1880	22.25	23.0	1.189	0.081	0.096
8.	16QAM 20MHz1RB	Left Cheek	1880	22.25	23.0	1.189	0.137	0.163
	16QAM 20MHz1RB	Left Tilted	1880	22.25	23.0	1.189	0.121	0.144
	16QAM 20MHz50%RB	Right Cheek	1880	22.25	23.0	1.189	0.085	0.101
	16QAM 20MHz50%RB	Right Tilted	1880	22.25	23.0	1.189	0.076	0.090
	16QAM 20MHz50%RB	Left Cheek	1880	22.25	23.0	1.189	0.125	0.149
	16QAM 20MHz50%RB	Left Tilted	1880	22.25	23.0	1.189	0.113	0.134

LTE Band 4– Head SAR Test								
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					
9.	QPSK 20MHz 1RB	Right Cheek	1745	22.89	23.0	1.026	0.107	0.110
	QPSK 20MHz 1RB	Right Tilted	1745	22.89	23.0	1.026	0.102	0.105
	QPSK 20MHz 1RB	Left Cheek	1745	22.89	23.0	1.026	0.069	0.071
	QPSK 20MHz 1RB	Left Tilted	1745	22.89	23.0	1.026	0.065	0.067
	QPSK 20MHz 50%RB	Right Cheek	1745	22.89	23.0	1.026	0.101	0.104
	QPSK 20MHz 50%RB	Right Tilted	1745	22.89	23.0	1.026	0.096	0.098
	QPSK 20MHz 50%RB	Left Cheek	1745	22.89	23.0	1.026	0.062	0.064
	QPSK 20MHz 50%RB	Left Tilted	1745	22.89	23.0	1.026	0.059	0.061

LTE Band 5– Head SAR Test								
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 10MHz 1RB	Right Cheek	829	22.76	23.0	1.057	0.068	0.072
	QPSK 10MHz 1RB	Right Tilted	829	22.76	23.0	1.057	0.059	0.062
10.	QPSK 10MHz 1RB	Left Cheek	829	22.76	23.0	1.057	0.093	0.098
	QPSK 10MHz 1RB	Left Tilted	829	22.76	23.0	1.057	0.088	0.093
	QPSK 10MHz 50%RB	Right Cheek	829	22.76	23.0	1.057	0.061	0.064
	QPSK 10MHz 50%RB	Right Tilted	829	22.76	23.0	1.057	0.055	0.058
	QPSK 10MHz 50%RB	Left Cheek	829	22.76	23.0	1.057	0.089	0.094
	QPSK 10MHz 50%RB	Left Tilted	829	22.76	23.0	1.057	0.084	0.089

LTE Band 7– Head SAR Test								
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					
	16QAM 20MHz 1RB	Right Cheek	2560	22.83	23.0	1.040	0.081	0.084
	16QAM 20MHz 1RB	Right Tilted	2560	22.83	23.0	1.040	0.078	0.081
11.	16QAM 20MHz 1RB	Left Cheek	2560	22.83	23.0	1.040	0.205	0.213
	16QAM 20MHz 1RB	Left Tilted	2560	22.83	23.0	1.040	0.192	0.200
	16QAM20MHz 50%RB	Right Cheek	2560	22.83	23.0	1.040	0.079	0.082
	16QAM20MHz 50%RB	Right Tilted	2560	22.83	23.0	1.040	0.075	0.078
	16QAM20MHz 50%RB	Left Cheek	2560	22.83	23.0	1.040	0.201	0.209
	16QAM20MHz 50%RB	Left Tilted	2560	22.83	23.0	1.040	0.185	0.192

LTE Band 12– Head SAR Test								
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 10MHz 1RB	Right Cheek	704	27.19	28.0	1.205	0.074	0.089
	QPSK 10MHz 1RB	Right Tilted	704	27.19	28.0	1.205	0.069	0.083
12.	QPSK 10MHz 1RB	Left Cheek	704	27.19	28.0	1.205	0.103	0.124
	QPSK 10MHz 1RB	Left Tilted	704	27.19	28.0	1.205	0.092	0.111
	QPSK 10MHz 50%RB	Right Cheek	704	27.19	28.0	1.205	0.071	0.086
	QPSK 10MHz 50%RB	Right Tilted	704	27.19	28.0	1.205	0.065	0.078
	QPSK 10MHz 50%RB	Left Cheek	704	27.19	28.0	1.205	0.099	0.119
	QPSK 10MHz 50%RB	Left Tilted	704	27.19	28.0	1.205	0.091	0.110

LTE Band 13– Head SAR Test								
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 10MHz 1RB	Right Cheek	782	23.51	24.0	1.119	0.039	0.044
	QPSK 10MHz 1RB	Right Tilted	782	23.51	24.0	1.119	0.032	0.036
13.	QPSK 10MHz 1RB	Left Cheek	782	23.51	24.0	1.119	0.043	0.048
	QPSK 10MHz 1RB	Left Tilted	782	23.51	24.0	1.119	0.038	0.043
	QPSK 10MHz 50%RB	Right Cheek	782	23.51	24.0	1.119	0.037	0.041
	QPSK 10MHz 50%RB	Right Tilted	782	23.51	24.0	1.119	0.031	0.035
	QPSK 10MHz 50%RB	Left Cheek	782	23.51	24.0	1.119	0.040	0.045
	QPSK 10MHz 50%RB	Left Tilted	782	23.51	24.0	1.119	0.034	0.038

LTE Band 17– Head SAR Test								
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					
14.	QPSK 10MHz 1RB	Right Cheek	709	25.54	26.0	1.112	0.073	0.081
	QPSK 10MHz 1RB	Right Tilted	709	25.54	26.0	1.112	0.066	0.073
	QPSK 10MHz 1RB	Left Cheek	709	25.54	26.0	1.112	0.062	0.069
	QPSK 10MHz 1RB	Left Tilted	709	25.54	26.0	1.112	0.058	0.064
	QPSK 10MHz 50%RB	Right Cheek	709	25.54	26.0	1.112	0.068	0.076
	QPSK 10MHz 50%RB	Right Tilted	709	25.54	26.0	1.112	0.062	0.069
	QPSK 10MHz 50%RB	Left Cheek	709	25.54	26.0	1.112	0.061	0.068
	QPSK 10MHz 50%RB	Left Tilted	709	25.54	26.0	1.112	0.055	0.061

LTE Band 38–Head SAR Test								
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 20MHz 1RB	Right Cheek	2580	23.13	23.5	1.089	0.090	0.098
	QPSK 20MHz 1RB	Right Tilted	2580	23.13	23.5	1.089	0.085	0.093
15.	QPSK 20MHz 1RB	Left Cheek	2580	23.13	23.5	1.089	0.172	0.187
	QPSK 20MHz 1RB	Left Tilted	2580	23.13	23.5	1.089	0.165	0.180
	QPSK 20MHz 50%RB	Right Cheek	2580	23.13	23.5	1.089	0.087	0.095
	QPSK 20MHz 50%RB	Right Tilted	2580	23.13	23.5	1.089	0.074	0.081
	QPSK 20MHz 50%RB	Left Cheek	2580	23.13	23.5	1.089	0.168	0.183
	QPSK 20MHz 50%RB	Left Tilted	2580	23.13	23.5	1.089	0.157	0.171

LTE Band 40(2305-2315MHz)–Head SAR Test								
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 10MHz 1RB	Right Cheek	2310	22.86	23.0	1.033	0.074	0.076
	QPSK 10MHz 1RB	Right Tilted	2310	22.86	23.0	1.033	0.065	0.067
16.	QPSK 10MHz 1RB	Left Cheek	2310	22.86	23.0	1.033	0.097	0.100
	QPSK 10MHz 1RB	Left Tilted	2310	22.86	23.0	1.033	0.086	0.089
	QPSK 10MHz 50%RB	Right Cheek	2310	22.86	23.0	1.033	0.063	0.065
	QPSK 10MHz 50%RB	Right Tilted	2310	22.86	23.0	1.033	0.056	0.058
	QPSK 10MHz 50%RB	Left Cheek	2310	22.86	23.0	1.033	0.084	0.087
	QPSK 10MHz 50%RB	Left Tilted	2310	22.86	23.0	1.033	0.072	0.074

LTE Band 40(2350-2360MHz)–Head SAR Test								
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 10MHz 1RB	Right Cheek	2355	22.05	23.0	1.245	0.084	0.105
	QPSK 10MHz 1RB	Right Tilted	2355	22.05	23.0	1.245	0.072	0.090
17.	QPSK 10MHz 1RB	Left Cheek	2355	22.05	23.0	1.245	0.133	0.166
	QPSK 10MHz 1RB	Left Tilted	2355	22.05	23.0	1.245	0.129	0.161
	QPSK 10MHz 50%RB	Right Cheek	2355	22.05	23.0	1.245	0.076	0.095
	QPSK 10MHz 50%RB	Right Tilted	2355	22.05	23.0	1.245	0.068	0.085
	QPSK 10MHz 50%RB	Left Cheek	2355	22.05	23.0	1.245	0.128	0.159
	QPSK 10MHz 50%RB	Left Tilted	2355	22.05	23.0	1.245	0.120	0.149

LTE Band 66– Head SAR Test								
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					
18.	QPSK 20MHz 1RB	Right Cheek	1745	23.25	23.5	1.059	0.149	0.158
	QPSK 20MHz 1RB	Right Tilted	1745	23.25	23.5	1.059	0.135	0.143
	QPSK 20MHz 1RB	Left Cheek	1745	23.25	23.5	1.059	0.070	0.074
	QPSK 20MHz 1RB	Left Tilted	1745	23.25	23.5	1.059	0.065	0.069
	QPSK 20MHz 50%RB	Right Cheek	1745	23.25	23.5	1.059	0.141	0.149
	QPSK 20MHz 50%RB	Right Tilted	1745	23.25	23.5	1.059	0.132	0.140
	QPSK 20MHz 50%RB	Left Cheek	1745	23.25	23.5	1.059	0.067	0.071
	QPSK 20MHz 50%RB	Left Tilted	1745	23.25	23.5	1.059	0.061	0.065

WLAN 2.4GHz – Head SAR Test									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11b	Right Cheek	06	2437	15.41	15.5	1.021	0.115	0.117
	802.11b	Right Tilted	06	2437	15.41	15.5	1.021	0.103	0.105
19.	802.11b	Left Cheek	06	2437	15.41	15.5	1.021	0.315	0.322
	802.11b	Left Tilted	06	2437	15.41	15.5	1.021	0.304	0.310

WLAN 5.2GHz – Head SAR Test									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Right Cheek	48	5240	15.97	16.0	1.007	0.222	0.224
	802.11a	Right Tilted	48	5240	15.97	16.0	1.007	0.213	0.214
20.	802.11a	Left Cheek	48	5240	15.97	16.0	1.007	0.674	0.679
	802.11a	Left Tilted	48	5240	15.97	16.0	1.007	0.665	0.670

WLAN 5.3GHz – Head SAR Test									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Right Cheek	56	5280	15.34	15.5	1.038	0.219	0.227
	802.11a	Right Tilted	56	5280	15.34	15.5	1.038	0.210	0.218
21.	802.11a	Left Cheek	56	5280	15.34	15.5	1.038	0.560	0.581
	802.11a	Left Tilted	56	5280	15.34	15.5	1.038	0.543	0.563

WLAN 5.8GHz– Head SAR Test									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Right Cheek	165	5825	15.95	16.0	1.012	0.206	0.208
	802.11a	Right Tilted	165	5825	15.95	16.0	1.012	0.198	0.200
22.	802.11a	Left Cheek	165	5825	15.95	16.0	1.012	0.415	0.420
	802.11a	Left Tilted	165	5825	15.95	16.0	1.012	0.389	0.394

Remark: 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.

Body-worn SAR

GSM850 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
23.	GSM	Back	128	824.2	32.77	33.0	1.054	0.167	0.176
	GSM	Front	128	824.2	32.77	33.0	1.054	0.096	0.101

GSM1900 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
24.	GSM	Back	512	1850.2	29.73	30.0	1.064	0.313	0.333
	GSM	Front	512	1850.2	29.73	30.0	1.064	0.234	0.249

WCDMA Band 2 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
25.	RMC 12.2k	Back Side	9538	1907.6	21.32	21.5	1.042	0.903	0.941
	RMC 12.2k	Front Face	9538	1907.6	21.32	21.5	1.042	0.524	0.546
	RMC 12.2k	Back Side	9262	1852.4	21.28	21.5	1.052	0.881	0.927
	RMC 12.2k	Back Side	9400	1880.0	21.03	21.5	1.114	0.826	0.920

WCDMA Band 4– Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
26.	RMC 12.2k	Back Side	1513	1752.6	22.39	22.5	1.026	1.020	1.046
	RMC 12.2k	Front Face	1513	1752.6	22.39	22.5	1.026	0.593	0.608
	RMC 12.2k	Back Side	1312	1712.4	22.28	22.5	1.052	0.991	1.042
	RMC 12.2k	Back Side	1413	1732.6	21.87	22.5	1.156	0.903	1.044

WCDMA Band 5 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
27.	RMC 12.2k	Back Side	4132	826.4	23.25	23.5	1.059	0.236	0.250
	RMC 12.2k	Front Side	4132	826.4	23.25	23.5	1.059	0.142	0.150

LTE Band 2–Body SAR Test (Gap: 10mm)								
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					
28.	16QAM 20MHz 1RB	Back Side	1880	22.25	23.0	1.189	0.511	0.607
	16QAM 20MHz 1RB	Front Side	1880	22.25	23.0	1.189	0.425	0.505
	16QAM 20MHz 50%RB	Back Side	1880	22.25	23.0	1.189	0.495	0.588
	16QAM 20MHz 50%RB	Front Side	1880	22.25	23.0	1.189	0.412	0.490

LTE Band 4–Body SAR Test (Gap: 10mm)								
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					
29.	QPSK 20MHz 1RB	Back Side	1745	22.89	23.0	1.026	0.638	0.654
	QPSK 20MHz 1RB	Front Side	1745	22.89	23.0	1.026	0.446	0.457
	QPSK 20MHz 50%RB	Back Side	1745	22.89	23.0	1.026	0.621	0.637
	QPSK 20MHz 50%RB	Front Side	1745	22.89	23.0	1.026	0.424	0.435

LTE Band 5–Body SAR Test (Gap: 10mm)								
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					
30.	QPSK 10MHz 1RB	Back Side	829	22.76	23.0	1.057	0.165	0.174
	QPSK 10MHz 1RB	Front Side	829	22.76	23.0	1.057	0.078	0.082
	QPSK 10MHz 50%RB	Back Side	829	22.76	23.0	1.057	0.158	0.167
	QPSK 10MHz 50%RB	Front Side	829	22.76	23.0	1.057	0.075	0.079

LTE Band 7–Body SAR Test (Gap: 10mm)								
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					
31.	16QAM 20MHz 1RB	Back Side	2560	22.83	23.0	1.040	0.432	0.449
	16QAM 20MHz 1RB	Front Side	2560	22.83	23.0	1.040	0.388	0.403
	16QAM 20MHz 50%RB	Back Side	2560	22.83	23.0	1.040	0.416	0.433
	16QAM 20MHz 50%RB	Front Side	2560	22.83	23.0	1.040	0.364	0.379

LTE Band 12–Body SAR Test (Gap: 10mm)								
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					
32.	QPSK 10MHz 1RB	Back Side	704	27.19	28.0	1.205	0.098	0.118
	QPSK 10MHz 1RB	Front Side	704	27.19	28.0	1.205	0.046	0.055
	QPSK 10MHz 50%RB	Back Side	704	27.19	28.0	1.205	0.095	0.114
	QPSK 10MHz 50%RB	Front Side	704	27.19	28.0	1.205	0.043	0.052

LTE Band 13–Body SAR Test (Gap: 10mm)								
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					
33.	QPSK 10MHz 1RB	Back Side	782	23.51	24.0	1.119	0.096	0.107
	QPSK 10MHz 1RB	Front Side	782	23.51	24.0	1.119	0.035	0.039
	QPSK 10MHz 50%RB	Back Side	782	23.51	24.0	1.119	0.093	0.104
	QPSK 10MHz 50%RB	Front Side	782	23.51	24.0	1.119	0.031	0.035

LTE Band 17–Body SAR Test (Gap: 10mm)								
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					
34.	QPSK 10MHz 1RB	Back Side	709	25.54	26.0	1.112	0.097	0.108
	QPSK 10MHz 1RB	Front Side	709	25.54	26.0	1.112	0.070	0.078
	QPSK 10MHz 50%RB	Back Side	709	25.54	26.0	1.112	0.094	0.105
	QPSK 10MHz 50%RB	Front Side	709	25.54	26.0	1.112	0.067	0.074

LTE Band 38–Body SAR Test (Gap: 10mm)								
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					
35.	QPSK 20MHz 1RB	Back Side	2580	23.13	23.5	1.089	0.252	0.274
	QPSK 20MHz 1RB	Front Side	2580	23.13	23.5	1.089	0.175	0.191
	QPSK 20MHz 50%RB	Back Side	2580	23.13	23.5	1.089	0.241	0.262
	QPSK 20MHz 50%RB	Front Side	2580	23.13	23.5	1.089	0.167	0.182

LTE Band 40(2305-2315MHz)–Body SAR Test (Gap: 10mm)								
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					
36.	QPSK 10MHz 1RB	Back Side	2310	22.86	23.0	1.033	0.308	0.318
	QPSK 10MHz 1RB	Front Side	2310	22.86	23.0	1.033	0.140	0.145
	QPSK 10MHz 50%RB	Back Side	2310	22.86	23.0	1.033	0.289	0.298
	QPSK 10MHz 50%RB	Front Side	2310	22.86	23.0	1.033	0.132	0.136

LTE Band 40(2350-2360MHz)–Body SAR Test (Gap: 10mm)								
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					
37.	QPSK 10MHz 1RB	Back Side	2355	22.05	23.0	1.245	0.250	0.311
	QPSK 10MHz 1RB	Front Side	2355	22.05	23.0	1.245	0.172	0.214
	QPSK 10MHz 50%RB	Back Side	2355	22.05	23.0	1.245	0.241	0.300
	QPSK 10MHz 50%RB	Front Side	2355	22.05	23.0	1.245	0.165	0.205

LTE Band 66–Body SAR Test (Gap: 10mm)								
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					
38.	QPSK 20MHz 1RB	Back Side	1745	23.25	23.5	1.059	0.651	0.690
	QPSK 20MHz 1RB	Front Side	1745	23.25	23.5	1.059	0.455	0.482
	QPSK 20MHz 50%RB	Back Side	1745	23.25	23.5	1.059	0.634	0.672
	QPSK 20MHz 50%RB	Front Side	1745	23.25	23.5	1.059	0.423	0.448

WLAN 2.4GHz –Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
39.	802.11b	Back Side	06	2437	15.41	15.5	1.021	0.079	0.081
	802.11b	Front Side	06	2437	15.41	15.5	1.021	0.065	0.066

WLAN 5.2GHz –Body SAR Test(Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
40.	802.11a	Back Face	48	5240	15.97	16.0	1.007	0.214	0.215
	802.11a	Front Face	48	5240	15.97	16.0	1.007	0.153	0.154

WLAN 5.3GHz –Body SAR Test(Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
41.	802.11a	Back Face	56	5280	15.34	15.5	1.038	0.164	0.170
	802.11a	Front Face	56	5280	15.34	15.5	1.038	0.142	0.147

WLAN 5.8GHz –Body SAR Test(Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
42.	802.11a	Back Face	165	5825	15.95	16.0	1.012	0.203	0.205
	802.11a	Front Face	165	5825	15.95	16.0	1.012	0.073	0.074

Hotspot SAR

GSM850 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
43.	GPRS_4TX	Back Face	128	824.2	29.33	29.5	1.040	0.302	0.314
	GPRS_4TX	Front Face	128	824.2	29.33	29.5	1.040	0.210	0.218
	GPRS_4TX	Right Side	128	824.2	29.33	29.5	1.040	0.109	0.113
	GPRS_4TX	Left Side	128	824.2	29.33	29.5	1.040	0.015	0.016
	GPRS_4TX	Bottom Side	128	824.2	29.33	29.5	1.040	0.139	0.145

GSM1900 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	GPRS_4TX	Back Face	512	1850.2	26.33	26.5	1.040	0.514	0.535
	GPRS_4TX	Front Face	512	1850.2	26.33	26.5	1.040	0.243	0.253
	GPRS_4TX	Right Side	512	1850.2	26.33	26.5	1.040	0.089	0.093
	GPRS_4TX	Left Side	512	1850.2	26.33	26.5	1.040	0.162	0.168
44.	GPRS_4TX	Bottom Side	512	1850.2	26.33	26.5	1.040	0.705	0.733

WCDMA Band 2 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC 12.2k	Back Face	9538	1907.6	21.32	21.5	1.042	0.903	0.941
	RMC 12.2k	Front Face	9538	1907.6	21.32	21.5	1.042	0.524	0.546
	RMC 12.2k	Right Side	9538	1907.6	21.32	21.5	1.042	0.119	0.124
	RMC 12.2k	Left Side	9538	1907.6	21.32	21.5	1.042	0.282	0.294
45.	RMC 12.2k	Bottom Side	9538	1907.6	21.32	21.5	1.042	1.138	1.186
	RMC 12.2k	Back Face	9262	1852.4	21.28	21.5	1.052	0.881	0.927
	RMC 12.2k	Back Face	9400	1880.0	21.03	21.5	1.114	0.826	0.920
	RMC 12.2k	Bottom Side	9262	1852.4	21.28	21.5	1.052	1.108	1.166
	RMC 12.2k	Bottom Side	9400	1880.0	21.03	21.5	1.114	1.055	1.176

WCDMA Band 4 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC 12.2k	Back Face	1513	1752.6	22.39	22.5	1.026	1.020	1.046
	RMC 12.2k	Front Face	1513	1752.6	22.39	22.5	1.026	0.593	0.608
	RMC 12.2k	Right Side	1513	1752.6	22.39	22.5	1.026	0.103	0.106
	RMC 12.2k	Left Side	1513	1752.6	22.39	22.5	1.026	0.211	0.216
46.	RMC 12.2k	Bottom Side	1513	1752.6	22.39	22.5	1.026	1.207	1.238
	RMC 12.2k	Back Face	1312	1712.4	22.28	22.5	1.052	0.991	1.042
	RMC 12.2k	Back Face	1413	1732.6	21.87	22.5	1.156	0.903	1.044
	RMC 12.2k	Bottom Side	1312	1712.4	22.28	22.5	1.052	1.176	1.237
	RMC 12.2k	Bottom Side	1413	1732.6	21.87	22.5	1.156	1.062	1.228

WCDMA Band 5 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
47.	RMC 12.2k	Back Face	4132	826.4	23.25	23.5	1.059	0.236	0.250
	RMC 12.2k	Front Face	4132	826.4	23.25	23.5	1.059	0.142	0.150
	RMC 12.2k	Right Side	4132	826.4	23.25	23.5	1.059	0.057	0.060
	RMC 12.2k	Left Side	4132	826.4	23.25	23.5	1.059	0.006	0.006
	RMC 12.2k	Bottom Side	4132	826.4	23.25	23.5	1.059	0.144	0.153

LTE Band 2–Body SAR Test (Gap: 10mm)								
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					
	16QAM 20MHz 1RB	Back Face	1880	22.25	23.0	1.189	0.511	0.607
	16QAM 20MHz 1RB	Front Face	1880	22.25	23.0	1.189	0.425	0.505
	16QAM 20MHz 1RB	Right Side	1880	22.25	23.0	1.189	0.092	0.109
	16QAM 20MHz 1RB	Left Side	1880	22.25	23.0	1.189	0.217	0.258
48.	16QAM 20MHz 1RB	Bottom Side	1880	22.25	23.0	1.189	0.773	0.919
	16QAM 20MHz 1RB	Bottom Side	1860	21.81	23.0	1.315	0.693	0.911
	16QAM 20MHz 1RB	Bottom Side	1900	21.79	23.0	1.321	0.682	0.901
	16QAM20MHz 50%RB	Back Face	1880	22.25	23.0	1.189	0.495	0.588
	16QAM20MHz 50%RB	Front Face	1880	22.25	23.0	1.189	0.412	0.490
	16QAM20MHz 50%RB	Right Side	1880	22.25	23.0	1.189	0.086	0.102
	16QAM20MHz 50%RB	Left Side	1880	22.25	23.0	1.189	0.203	0.241
	16QAM20MHz 50%RB	Bottom Side	1880	22.25	23.0	1.189	0.751	0.893

	16QAM20MHz 50%RB	Bottom Side	1860	21.81	23.0	1.315	0.681	0.896
	16QAM20MHz 50%RB	Bottom Side	1900	21.79	23.0	1.321	0.670	0.885

LTE Band 4–Body SAR Test (Gap: 10mm)								
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 20MHz 1RB	Back Face	1745	22.89	23.0	1.026	0.638	0.654
	QPSK 20MHz 1RB	Front Face	1745	22.89	23.0	1.026	0.446	0.457
	QPSK 20MHz 1RB	Right Side	1745	22.89	23.0	1.026	0.066	0.068
	QPSK 20MHz 1RB	Left Side	1745	22.89	23.0	1.026	0.148	0.152
49.	QPSK 20MHz 1RB	Bottom Side	1745	22.89	23.0	1.026	0.928	0.952
	QPSK 20MHz 1RB	Bottom Side	1720	22.35	23.0	1.161	0.814	0.945
	QPSK 20MHz 1RB	Bottom Side	1732.5	21.98	23.0	1.265	0.751	0.950
	QPSK 20MHz 50%RB	Back Face	1745	22.89	23.0	1.026	0.621	0.637
	QPSK 20MHz 50%RB	Front Face	1745	22.89	23.0	1.026	0.424	0.435
	QPSK 20MHz 50%RB	Right Side	1745	22.89	23.0	1.026	0.063	0.065
	QPSK 20MHz 50%RB	Left Side	1745	22.89	23.0	1.026	0.134	0.137
	QPSK 20MHz 50%RB	Bottom Side	1745	22.89	23.0	1.026	0.905	0.928
	QPSK 20MHz 50%RB	Bottom Side	1720	22.35	23.0	1.161	0.802	0.931
	QPSK 20MHz 50%RB	Bottom Side	1732.5	21.98	23.0	1.265	0.739	0.935

LTE Band 5–Body SAR Test (Gap: 10mm)								
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					
50.	QPSK 10MHz 1RB	Back Face	829	22.76	23.0	1.057	0.165	0.174
	QPSK 10MHz 1RB	Front Face	829	22.76	23.0	1.057	0.078	0.082
	QPSK 10MHz 1RB	Right Side	829	22.76	23.0	1.057	0.082	0.087
	QPSK 10MHz 1RB	Left Side	829	22.76	23.0	1.057	0.046	0.049
	QPSK 10MHz 1RB	Bottom Side	829	22.76	23.0	1.057	0.132	0.139
	QPSK 10MHz 50%RB	Back Face	829	22.76	23.0	1.057	0.158	0.167
	QPSK 10MHz 50%RB	Front Face	829	22.76	23.0	1.057	0.075	0.079
	QPSK 10MHz 50%RB	Right Side	829	22.76	23.0	1.057	0.079	0.083
	QPSK 10MHz 50%RB	Left Side	829	22.76	23.0	1.057	0.045	0.048
	QPSK 10MHz 50%RB	Bottom Side	829	22.76	23.0	1.057	0.126	0.133

LTE Band 7–Body SAR Test (Gap: 10mm)								
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					
	16QAM 20MHz 1RB	Back Face	2560	22.83	23.0	1.040	0.432	0.449
	16QAM 20MHz 1RB	Front Face	2560	22.83	23.0	1.040	0.388	0.403
	16QAM 20MHz 1RB	Right Side	2560	22.83	23.0	1.040	0.098	0.102
	16QAM 20MHz 1RB	Left Side	2560	22.83	23.0	1.040	0.122	0.127
51.	16QAM 20MHz 1RB	Bottom Side	2560	22.83	23.0	1.040	0.442	0.460
	16QAM20MHz 50%RB	Back Face	2560	22.83	23.0	1.040	0.416	0.433
	16QAM20MHz 50%RB	Front Face	2560	22.83	23.0	1.040	0.364	0.379
	16QAM20MHz 50%RB	Right Side	2560	22.83	23.0	1.040	0.091	0.095
	16QAM20MHz 50%RB	Left Side	2560	22.83	23.0	1.040	0.106	0.110
	16QAM20MHz 50%RB	Bottom Side	2560	22.83	23.0	1.040	0.427	0.444

LTE Band 12–Body SAR Test (Gap: 10mm)								
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					
52.	QPSK 10MHz 1RB	Back Face	704	27.19	28.0	1.205	0.098	0.118
	QPSK 10MHz 1RB	Front Face	704	27.19	28.0	1.205	0.046	0.055
	QPSK 10MHz 1RB	Right Side	704	27.19	28.0	1.205	0.055	0.066
	QPSK 10MHz 1RB	Left Side	704	27.19	28.0	1.205	0.066	0.080
	QPSK 10MHz 1RB	Bottom Side	704	27.19	28.0	1.205	0.053	0.064
	QPSK 10MHz 50%RB	Back Face	704	27.19	28.0	1.205	0.095	0.114
	QPSK 10MHz 50%RB	Front Face	704	27.19	28.0	1.205	0.043	0.052
	QPSK 10MHz 50%RB	Right Side	704	27.19	28.0	1.205	0.054	0.065
	QPSK 10MHz 50%RB	Left Side	704	27.19	28.0	1.205	0.061	0.074
	QPSK 10MHz 50%RB	Bottom Side	704	27.19	28.0	1.205	0.052	0.063

LTE Band 13–Body SAR Test (Gap: 10mm)								
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					
53.	QPSK 10MHz 1RB	Back Face	782	23.51	24.0	1.119	0.096	0.107
	QPSK 10MHz 1RB	Front Face	782	23.51	24.0	1.119	0.035	0.039
	QPSK 10MHz 1RB	Right Side	782	23.51	24.0	1.119	0.046	0.051
	QPSK 10MHz 1RB	Left Side	782	23.51	24.0	1.119	0.031	0.035
	QPSK 10MHz 1RB	Bottom Side	782	23.51	24.0	1.119	0.053	0.059
	QPSK 10MHz 50%RB	Back Face	782	23.51	24.0	1.119	0.093	0.104
	QPSK 10MHz 50%RB	Front Face	782	23.51	24.0	1.119	0.031	0.035
	QPSK 10MHz 50%RB	Right Side	782	23.51	24.0	1.119	0.042	0.047
	QPSK 10MHz 50%RB	Left Side	782	23.51	24.0	1.119	0.028	0.031
	QPSK 10MHz 50%RB	Bottom Side	782	23.51	24.0	1.119	0.049	0.055

LTE Band 17–Body SAR Test (Gap: 10mm)								
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					
54.	QPSK 10MHz 1RB	Back Face	709	25.54	26.0	1.112	0.097	0.108
	QPSK 10MHz 1RB	Front Face	709	25.54	26.0	1.112	0.070	0.078
	QPSK 10MHz 1RB	Right Side	709	25.54	26.0	1.112	0.063	0.070
	QPSK 10MHz 1RB	Left Side	709	25.54	26.0	1.112	0.041	0.046
	QPSK 10MHz 1RB	Bottom Side	709	25.54	26.0	1.112	0.072	0.080
	QPSK 10MHz 50%RB	Back Face	709	25.54	26.0	1.112	0.094	0.105
	QPSK 10MHz 50%RB	Front Face	709	25.54	26.0	1.112	0.067	0.074
	QPSK 10MHz 50%RB	Right Side	709	25.54	26.0	1.112	0.058	0.064
	QPSK 10MHz 50%RB	Left Side	709	25.54	26.0	1.112	0.049	0.054
	QPSK 10MHz 50%RB	Bottom Side	709	25.54	26.0	1.112	0.075	0.083

LTE Band 38–Body SAR Test (Gap: 10mm)								
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					
55.	QPSK 20MHz 1RB	Back Face	2580	23.13	23.5	1.089	0.252	0.274
	QPSK 20MHz 1RB	Front Face	2580	23.13	23.5	1.089	0.175	0.191
	QPSK 20MHz 1RB	Right Side	2580	23.13	23.5	1.089	0.085	0.093
	QPSK 20MHz 1RB	Left Side	2580	23.13	23.5	1.089	0.109	0.119
	QPSK 20MHz 1RB	Bottom Side	2580	23.13	23.5	1.089	0.235	0.256
	QPSK 20MHz 50%RB	Back Face	2580	23.13	23.5	1.089	0.241	0.262
	QPSK 20MHz 50%RB	Front Face	2580	23.13	23.5	1.089	0.167	0.182
	QPSK 20MHz 50%RB	Right Side	2580	23.13	23.5	1.089	0.076	0.083
	QPSK 20MHz 50%RB	Left Side	2580	23.13	23.5	1.089	0.101	0.110
	QPSK 20MHz 50%RB	Bottom Side	2580	23.13	23.5	1.089	0.228	0.248

LTE Band 40(2305-2315MHz)–Body SAR Test (Gap: 10mm)								
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					
56.	QPSK 10MHz 1RB	Back Face	2310	22.86	23.0	1.033	0.308	0.318
	QPSK 10MHz 1RB	Front Face	2310	22.86	23.0	1.033	0.140	0.145
	QPSK 10MHz 1RB	Right Side	2310	22.86	23.0	1.033	0.091	0.094
	QPSK 10MHz 1RB	Left Side	2310	22.86	23.0	1.033	0.118	0.122
	QPSK 10MHz 1RB	Bottom Side	2310	22.86	23.0	1.033	0.283	0.292
	QPSK 10MHz 50%RB	Back Face	2310	22.86	23.0	1.033	0.289	0.298
	QPSK 10MHz 50%RB	Front Face	2310	22.86	23.0	1.033	0.132	0.136
	QPSK 10MHz 50%RB	Right Side	2310	22.86	23.0	1.033	0.085	0.088
	QPSK 10MHz 50%RB	Left Side	2310	22.86	23.0	1.033	0.108	0.112
	QPSK 10MHz 50%RB	Bottom Side	2310	22.86	23.0	1.033	0.271	0.280

LTE Band 40(2350-2360MHz)–Body SAR Test (Gap: 10mm)								
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					
57.	QPSK 10MHz 1RB	Back Face	2355	22.05	23.0	1.245	0.250	0.311
	QPSK 10MHz 1RB	Front Face	2355	22.05	23.0	1.245	0.172	0.214
	QPSK 10MHz 1RB	Right Side	2355	22.05	23.0	1.245	0.105	0.131
	QPSK 10MHz 1RB	Left Side	2355	22.05	23.0	1.245	0.131	0.163
	QPSK 10MHz 1RB	Bottom Side	2355	22.05	23.0	1.245	0.223	0.278
	QPSK 10MHz 50%RB	Back Face	2355	22.05	23.0	1.245	0.241	0.300
	QPSK 10MHz 50%RB	Front Face	2355	22.05	23.0	1.245	0.165	0.205
	QPSK 10MHz 50%RB	Right Side	2355	22.05	23.0	1.245	0.165	0.205
	QPSK 10MHz 50%RB	Left Side	2355	22.05	23.0	1.245	0.097	0.121
	QPSK 10MHz 50%RB	Bottom Side	2355	22.05	23.0	1.245	0.219	0.273

LTE Band 66–Body SAR Test (Gap: 10mm)								
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 20MHz 1RB	Back Face	1745	23.25	23.5	1.059	0.651	0.690
	QPSK 20MHz 1RB	Front Face	1745	23.25	23.5	1.059	0.455	0.482
	QPSK 20MHz 1RB	Right Side	1745	23.25	23.5	1.059	0.067	0.071
	QPSK 20MHz 1RB	Left Side	1745	23.25	23.5	1.059	0.142	0.150
58.	QPSK 20MHz 1RB	Bottom Side	1745	23.25	23.5	1.059	0.948	1.004
	QPSK 20MHz 1RB	Bottom Side	1720	23.13	23.5	1.089	0.921	1.003
	QPSK 20MHz 1RB	Bottom Side	1770	22.67	23.5	1.211	0.824	0.998
	QPSK 20MHz 50%RB	Back Face	1745	23.25	23.5	1.059	0.634	0.672
	QPSK 20MHz 50%RB	Front Face	1745	23.25	23.5	1.059	0.423	0.448
	QPSK 20MHz 50%RB	Right Side	1745	23.25	23.5	1.059	0.062	0.066
	QPSK 20MHz 50%RB	Left Side	1745	23.25	23.5	1.059	0.134	0.142
	QPSK 20MHz 50%RB	Bottom Side	1745	23.25	23.5	1.059	0.924	0.979
	QPSK 20MHz 1RB	Bottom Side	1720	23.13	23.5	1.089	0.905	0.985
	QPSK 20MHz 1RB	Bottom Side	1770	22.67	23.5	1.211	0.811	0.982

WLAN 2.4GHz –Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
59.	802.11b	Back Face	06	2437	15.41	15.5	1.021	0.079	0.081
	802.11b	Front Face	06	2437	15.41	15.5	1.021	0.065	0.066
	802.11b	Right Side	06	2437	15.41	15.5	1.021	0.059	0.060
	802.11b	Top Side	06	2437	15.41	15.5	1.021	0.052	0.053

WLAN 5.2GHz –Body SAR Test(Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
60.	802.11a	Back Face	48	5240	15.97	16.0	1.007	0.214	0.215
	802.11a	Front Face	48	5240	15.97	16.0	1.007	0.153	0.154
	802.11a	Right Side	48	5240	15.97	16.0	1.007	0.210	0.211
	802.11a	Top Side	48	5240	15.97	16.0	1.007	0.199	0.200

WLAN 5.3GHz –Body SAR Test(Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
61.	802.11a	Back Face	56	5280	15.34	15.5	1.038	0.164	0.170
	802.11a	Front Face	56	5280	15.34	15.5	1.038	0.142	0.147
	802.11a	Right Side	56	5280	15.34	15.5	1.038	0.160	0.166
	802.11a	Top Side	56	5280	15.34	15.5	1.038	0.155	0.161

WLAN 5.8GHz –Body SAR Test(Gap: 10mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
62.	802.11a	Back Face	165	5825	15.95	16.0	1.012	0.203	0.205
	802.11a	Front Face	165	5825	15.95	16.0	1.012	0.073	0.074
	802.11a	Right Side	165	5825	15.95	16.0	1.012	0.199	0.201
	802.11a	Top Side	165	5825	15.95	16.0	1.012	0.185	0.187

Remark: 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.

Repeated SAR**Body-worn SAR & Hotspot SAR**

WCDMA Band 2 – Body SAR Test (Gap: 10mm)								
Mode	Test Position	Frequency		SAR1g (W/kg)	Repeated SAR		Ratio	
		CH.	MHz		1	2	1	2
RMC 12.2k	Back Side	9538	1907.6	0.903	0.887	/	1.018	/
RMC 12.2k	Bottom Side	9538	1907.6	1.138	1.102	/	1.033	/
RMC 12.2k	Back Side	9262	1852.4	0.881	0.852	/	1.034	/
RMC 12.2k	Back Side	9400	1880.0	0.826	0.811	/	1.018	/
RMC 12.2k	Bottom Side	9262	1852.4	1.108	1.095	/	1.012	/
RMC 12.2k	Bottom Side	9400	1880.0	1.055	1.023	/	1.031	/

WCDMA Band 4 – Body SAR Test (Gap: 10mm)								
Mode	Test Position	Frequency		SAR1g (W/kg)	Repeated SAR		Ratio	
		CH.	MHz		1	2	1	2
RMC 12.2k	Back Side	1513	1752.6	1.020	1.008	/	1.012	/
RMC 12.2k	Bottom Side	1513	1752.6	1.207	1.185	1.192	1.019	1.013
RMC 12.2k	Back Face	1312	1712.4	0.991	0.972	/	1.020	/
RMC 12.2k	Back Face	1413	1732.6	0.903	0.890	/	1.015	/
RMC 12.2k	Bottom Side	1312	1712.4	1.176	1.152	/	1.021	/
RMC 12.2k	Bottom Side	1413	1732.6	1.062	1.029	/	1.032	/

LTE Band 4–Body SAR Test (Gap: 10mm)							
Mode	Test Position	Frequency	SAR1g (W/kg)	Repeated SAR		Ratio	
		MHz		1	2	1	2
QPSK 20MHz 1RB	Bottom Side	1745	0.928	0.912	/	1.018	/
QPSK 20MHz 1RB	Bottom Side	1720	0.814	0.805	/	1.011	/
QPSK 20MHz 50%RB	Bottom Side	1745	0.905	0.887	/	1.020	/
QPSK 20MHz 50%RB	Bottom Side	1720	0.802	0.783	/	1.024	/

LTE Band 66–Body SAR Test (Gap: 0mm)							
Mode	Test Position	Frequency	SAR1g (W/kg)	Repeated SAR		Ratio	
		MHz		1	2	1	2
QPSK 20MHz 1RB	Bottom Side	1745	0.948	0.926	/	1.024	/
QPSK 20MHz 1RB	Bottom Side	1720	0.921	0.904	/	1.019	/
QPSK 20MHz 1RB	Bottom Side	1770	0.824	0.811	/	1.016	/
QPSK 20MHz 50%RB	Bottom Side	1745	0.924	0.907	/	1.019	/
QPSK 20MHz 1RB	Bottom Side	1720	0.905	0.893	/	1.013	/
QPSK 20MHz 1RB	Bottom Side	1770	0.811	0.784	/	1.034	/

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	Head SAR	Body SAR
1	GSM(Voice/Data) + WLAN(2.4GHz)(Data)	Yes	Yes
2	WCDMA (Voice/Data)+ WLAN(2.4GHz)(Data)	Yes	Yes
3	LTE(Data) + WLAN(2.4GHz)(Data)	Yes	Yes
4	GSM(Voice/Data) + WLAN(5GHz)(Data)	Yes	Yes
5	WCDMA (Voice/Data)+ WLAN(5GHz)(Data)	Yes	Yes
6	LTE(Data) + WLAN(5GHz)(Data)	Yes	Yes
7	GSM(Voice/Data) + Bluetooth(Data)	Yes	Yes
8	WCDMA (Voice/Data) + Bluetooth(Data)	Yes	Yes
9	LTE(Data) + Bluetooth(Data)	Yes	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	SAR(1g) 10mm
2.0	1.58	5/10	2.480	7.5	0.066	0.033

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

Head SAR**WWAN and WLAN**

	WWAN		WLAN(2.4GHz)	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Right Cheek	GSM	0.251	0.117	0.368
Right Tilted	GSM	0.249	0.105	0.354
Left Cheek	GSM	0.227	0.322	0.549
Left Tilted	GSM	0.214	0.310	0.524
Right Cheek	WCDMA	0.335	0.117	0.452
Right Tilted	WCDMA	0.315	0.105	0.420
Left Cheek	WCDMA	0.282	0.322	0.604
Left Tilted	WCDMA	0.276	0.310	0.586
Right Cheek	LTE	0.158	0.117	0.275
Right Tilted	LTE	0.143	0.105	0.248
Left Cheek	LTE	0.213	0.322	0.535
Left Tilted	LTE	0.200	0.310	0.510

WWAN and WLAN

	WWAN		WLAN(5GHz)	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Right Cheek	GSM	0.251	0.227	0.478
Right Tilted	GSM	0.249	0.218	0.467
Left Cheek	GSM	0.227	0.679	0.906
Left Tilted	GSM	0.214	0.670	0.884
Right Cheek	WCDMA	0.335	0.227	0.562
Right Tilted	WCDMA	0.315	0.218	0.533
Left Cheek	WCDMA	0.282	0.679	0.961
Left Tilted	WCDMA	0.276	0.670	0.946
Right Cheek	LTE	0.158	0.227	0.385
Right Tilted	LTE	0.143	0.218	0.361
Left Cheek	LTE	0.213	0.679	0.892
Left Tilted	LTE	0.200	0.670	0.870

Note:

1. WWAN + Bluetooth test result less than the WWAN + WLAN (2.4GHz/5GHz) test result, so the WWAN + Bluetooth test result is not show in the test report.

Body-worn SAR**WWAN and WLAN**

	WWAN		WLAN(2.4GHz)	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	GSM	0.333	0.081	0.414
Front	GSM	0.249	0.066	0.315
Back	WCDMA	1.046	0.081	1.127
Front	WCDMA	0.608	0.066	0.674
Back	LTE	0.690	0.081	0.771
Front	LTE	0.505	0.066	0.571

WWAN and WLAN

	WWAN		WLAN(5GHz)	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	GSM	0.333	0.215	0.548
Front	GSM	0.249	0.154	0.403
Back	WCDMA	1.046	0.215	1.261
Front	WCDMA	0.608	0.154	0.762
Back	LTE	0.690	0.215	0.905
Front	LTE	0.505	0.154	0.659

Note:

1. WWAN + Bluetooth test result less than the WWAN + WLAN (2.4GHz/5GHz) test result, so the WWAN + Bluetooth test result is not show in the test report.

Hotspot SAR**WWAN and WLAN**

	WWAN		WLAN(2.4GHz)	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	GSM	0.535	0.081	0.616
Front	GSM	0.253	0.066	0.319
Right side	GSM	0.113	0.060	0.173
Left side	GSM	0.168	--	0.168
Top side	GSM	--	0.053	0.053
Bottom side	GSM	0.733	--	0.733
Back	WCDMA	1.046	0.081	1.127
Front	WCDMA	0.608	0.066	0.674
Right side	WCDMA	0.124	0.060	0.184
Left side	WCDMA	0.294	--	0.294
Top side	WCDMA	--	0.053	0.053
Bottom side	WCDMA	1.238	--	1.238
Back	LTE	0.690	0.081	0.771
Front	LTE	0.505	0.066	0.571
Right side	LTE	0.205	0.060	0.265
Left side	LTE	0.258	--	0.258
Top side	LTE	--	0.053	0.053
Bottom side	LTE	1.004	--	1.004

WWAN and WLAN

	WWAN		WLAN(5GHz)	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	GSM	0.535	0.215	0.750
Front	GSM	0.253	0.154	0.407
Right side	GSM	0.113	0.211	0.324
Left side	GSM	0.168	--	0.168
Top side	GSM	--	0.200	0.200
Bottom side	GSM	0.733	--	0.733
Back	WCDMA	1.046	0.215	1.261
Front	WCDMA	0.608	0.154	0.762
Right side	WCDMA	0.124	0.211	0.335
Left side	WCDMA	0.294	--	0.294
Top side	WCDMA	--	0.200	0.200
Bottom side	WCDMA	1.238	--	1.238
Back	LTE	0.690	0.215	0.905
Front	LTE	0.505	0.154	0.659
Right side	LTE	0.205	0.211	0.416
Left side	LTE	0.258	--	0.258
Top side	LTE	--	0.200	0.200
Bottom side	LTE	1.004	--	1.004

Note:

1. WWAN + Bluetooth test result less than the WWAN + WLAN (2.4GHz/5GHz) 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	$c_{\epsilon_s}, c_{\sigma}$	4.00	∞
Temperature effects (medium)	8.4.2.2	R	2.50	$\sqrt{3}$	1.44	$c_{\epsilon_s}, c_{\sigma}$	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	8.4.2.11	N	0	1	0	1	0	

(validation measurement only)								
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	$v_{\text{eff}}^{\text{C}}$
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: 2024-12-19
Measurement duration: 7 minutes 21 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.27; Calibrated: 2024-07-11

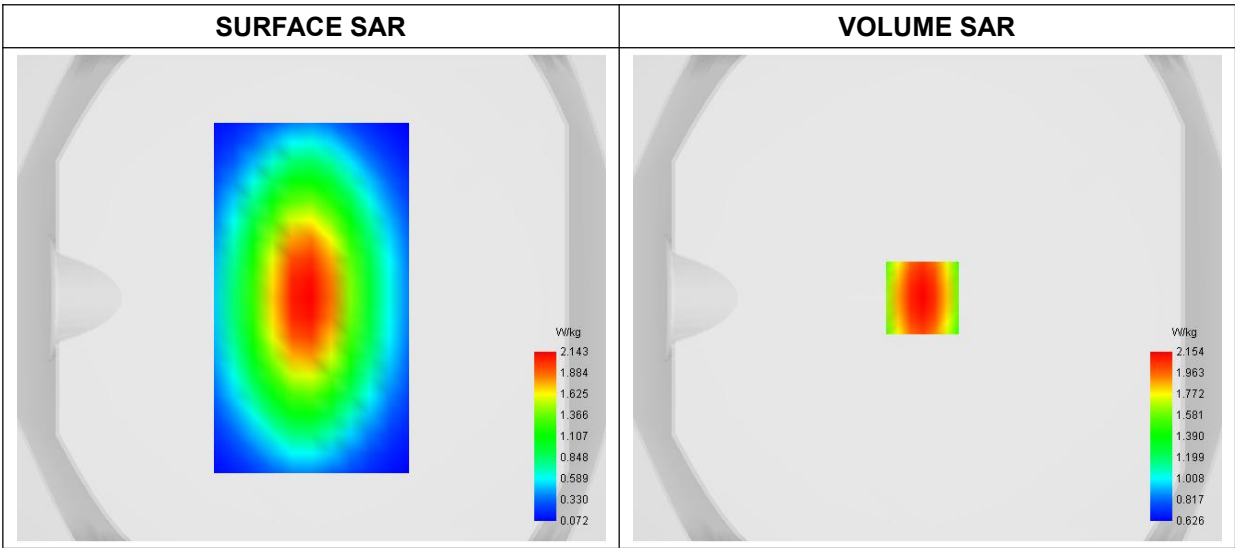
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW750
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	750.000000
Relative Permittivity (real part)	41.142457
Conductivity (S/m)	0.872347
Power Variation (%)	1.178100
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



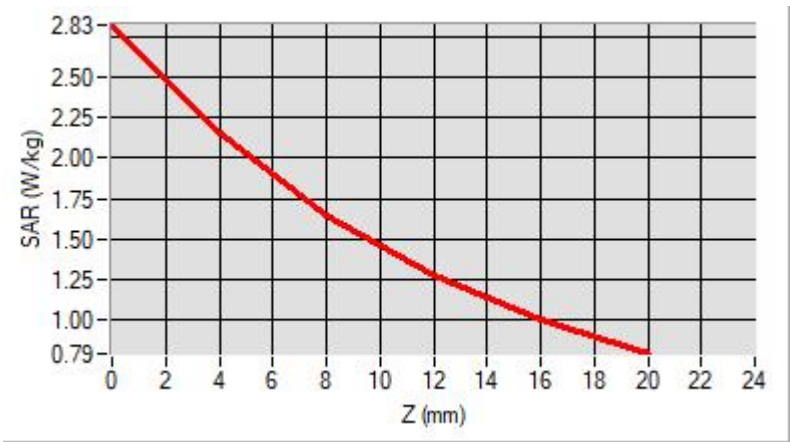
Maximum location: X=-2.00, Y=0.00

D. SAR 1g & 10g

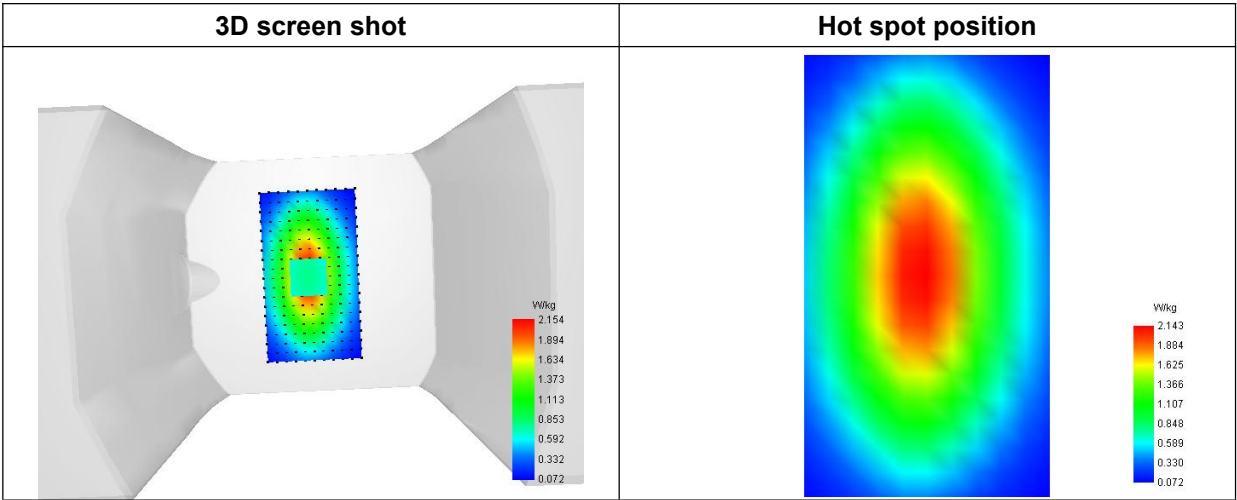
SAR 10g (W/Kg)	1.430855
SAR 1g (W/Kg)	2.051374

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	2.8268	2.1542	1.6473	1.2759	1.0033



F. 3D Image



MEASUREMENT 2

Type: Validation measurement (Fast, 75.00 %)
Date of measurement: 2024-12-20
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.28; Calibrated: 2024-07-11

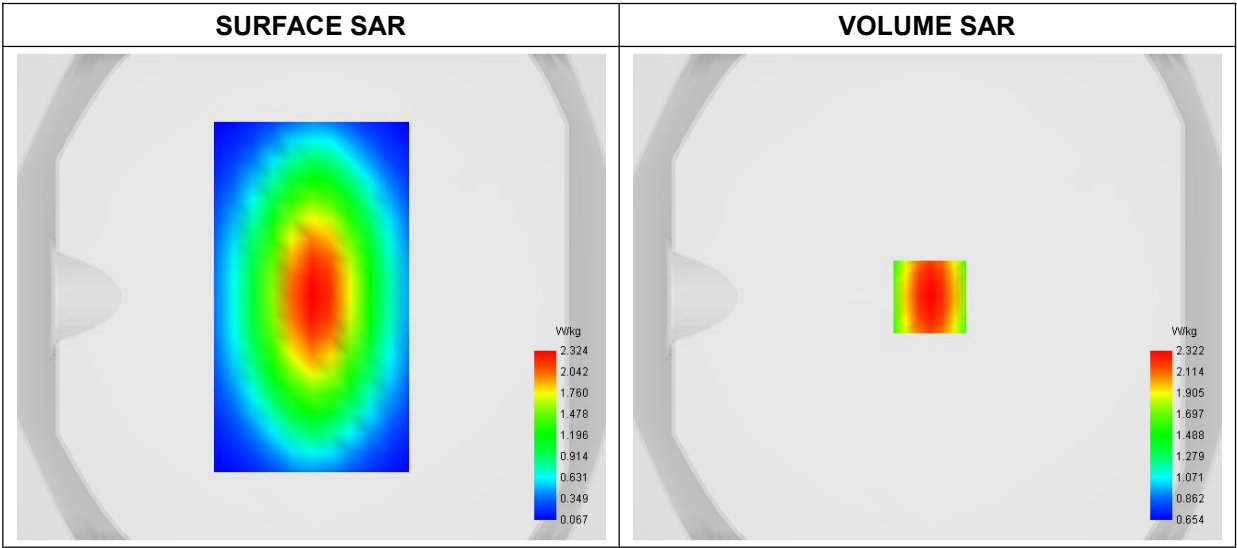
A. Experimental conditions

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)	40.832489
Conductivity (S/m)	0.891417
Power Variation (%)	-1.884700
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume

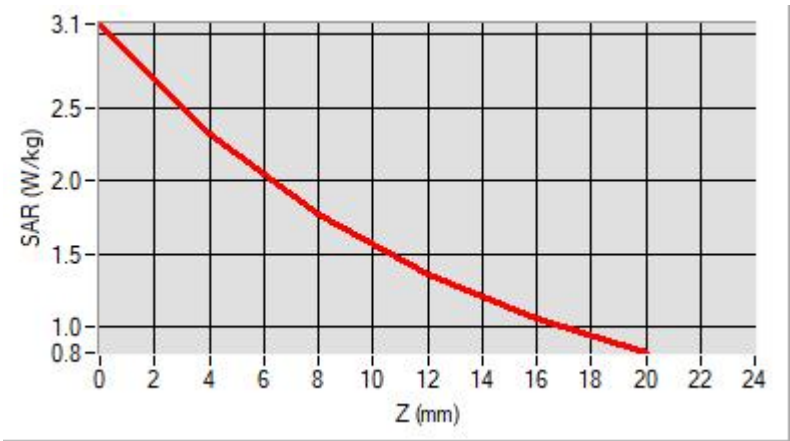


Maximum location: X=1.00, Y=0.00
D. SAR 1g & 10g

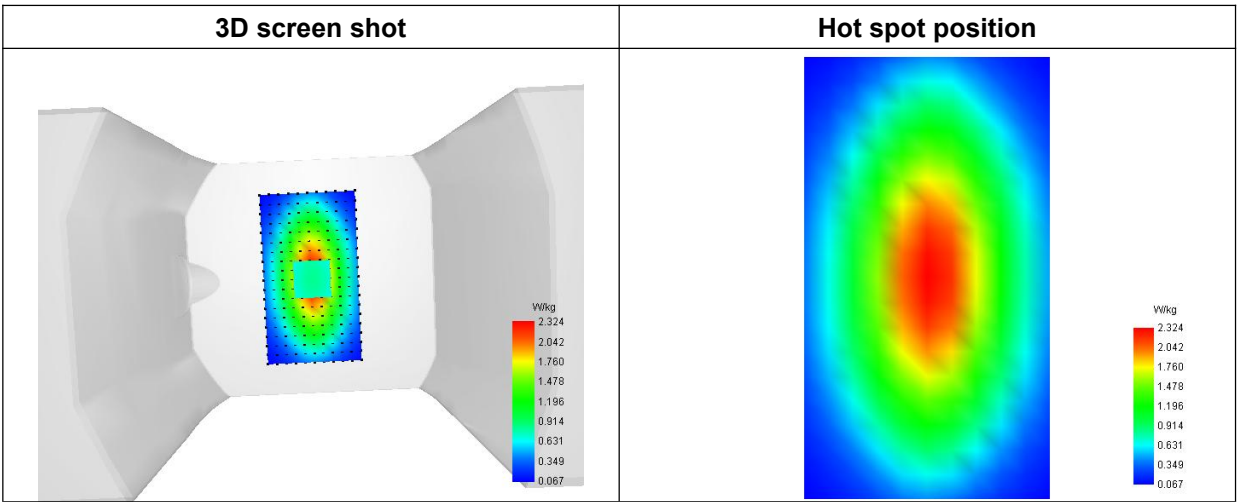
SAR 10g (W/Kg)	1.527360
SAR 1g (W/Kg)	2.210386

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 3

Type: Validation measurement (Fast, 75.00 %)
Date of measurement: 2024-12-18
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.37; Calibrated: 2024-07-11

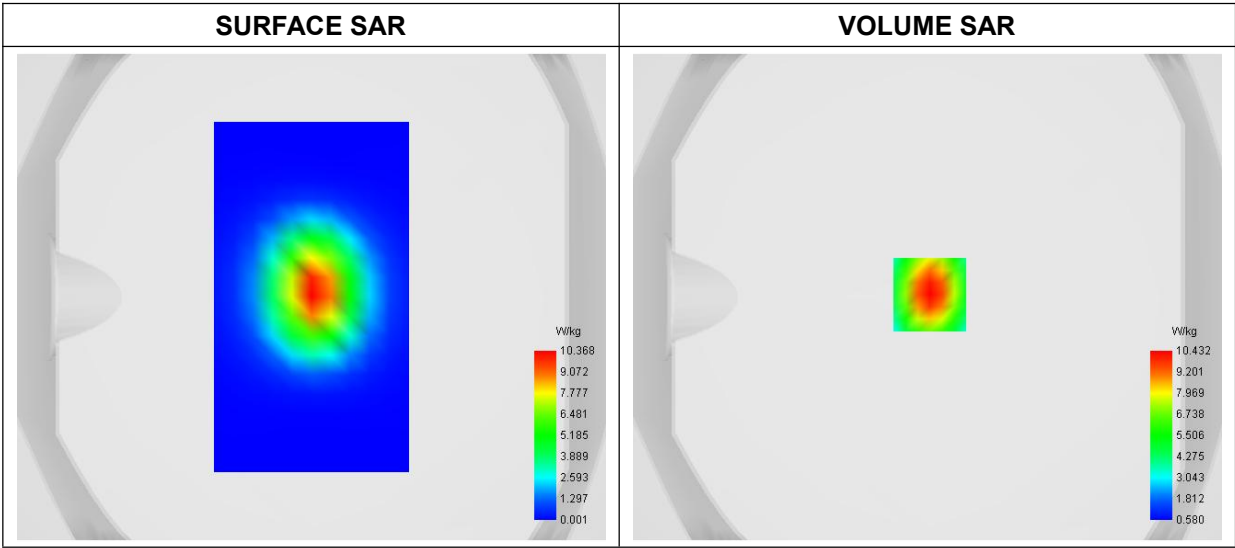
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Signal	CW (Crest factor: 1.0)

B. SAR Measurement Results

Frequency (MHz)	1800.000000
Relative Permittivity (real part)	39.510447
Conductivity (S/m)	1.391485
Power Variation (%)	1.425800
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume

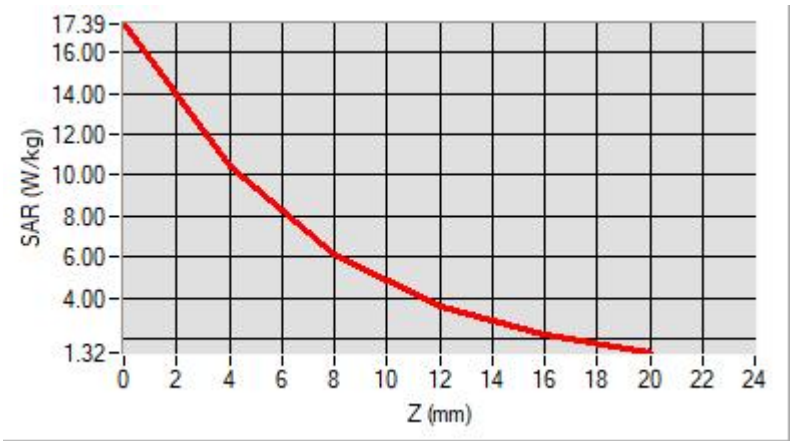


Maximum location: X=1.00, Y=1.00
D. SAR 1g & 10g

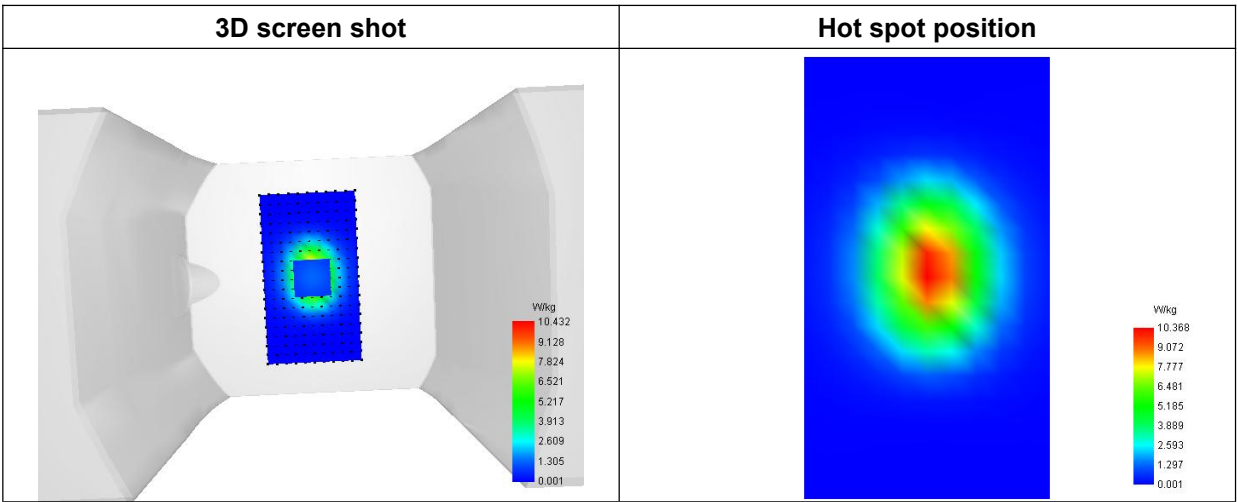
SAR 10g (W/Kg)	4.968858
SAR 1g (W/Kg)	9.623880

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	17.3936	10.4322	6.1187	3.6132	2.2066



F. 3D Image



MEASUREMENT 4

Type: Validation measurement (Fast, 75.00 %)
Date of measurement: 2024-12-17
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.37; Calibrated: 2024-07-11

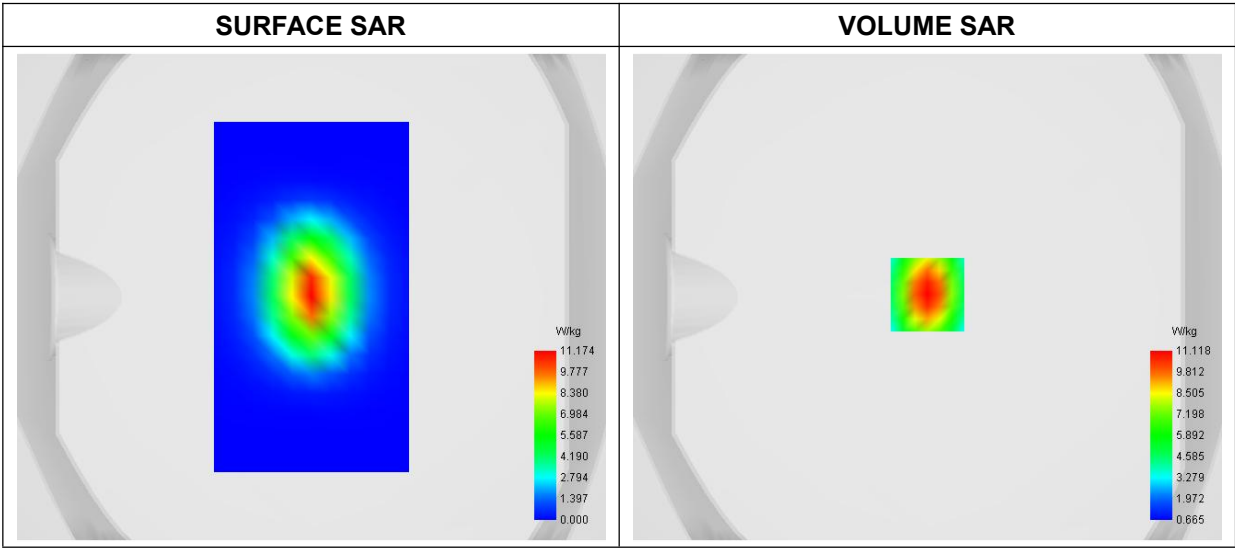
A. Experimental conditions

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)	39.112574
Conductivity (S/m)	1.413135
Power Variation (%)	-1.224700
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume

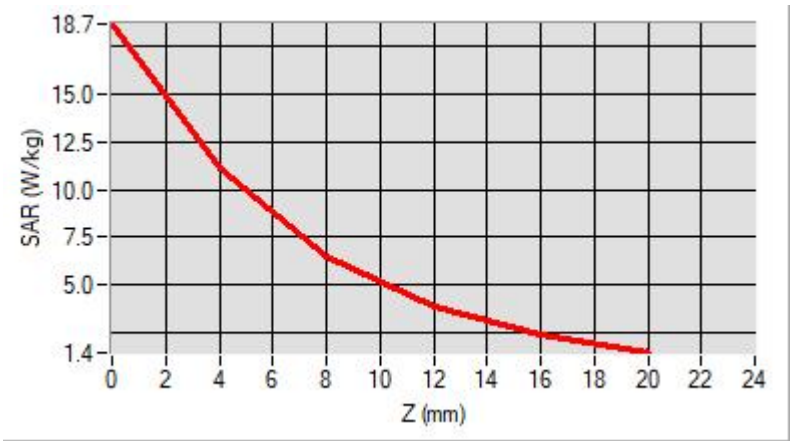


Maximum location: X=0.00, Y=1.00
D. SAR 1g & 10g

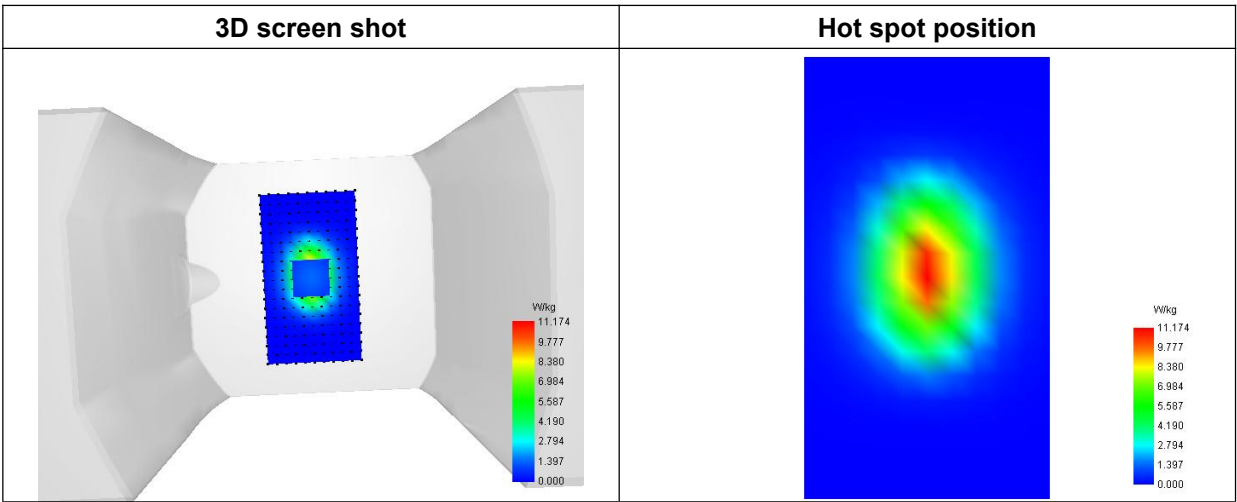
SAR 10g (W/Kg)	5.260825
SAR 1g (W/Kg)	10.222516

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 5

Type: Validation measurement (Fast, 75.00 %)
Date of measurement: 2024-12-21
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.54; Calibrated: 2024-07-11

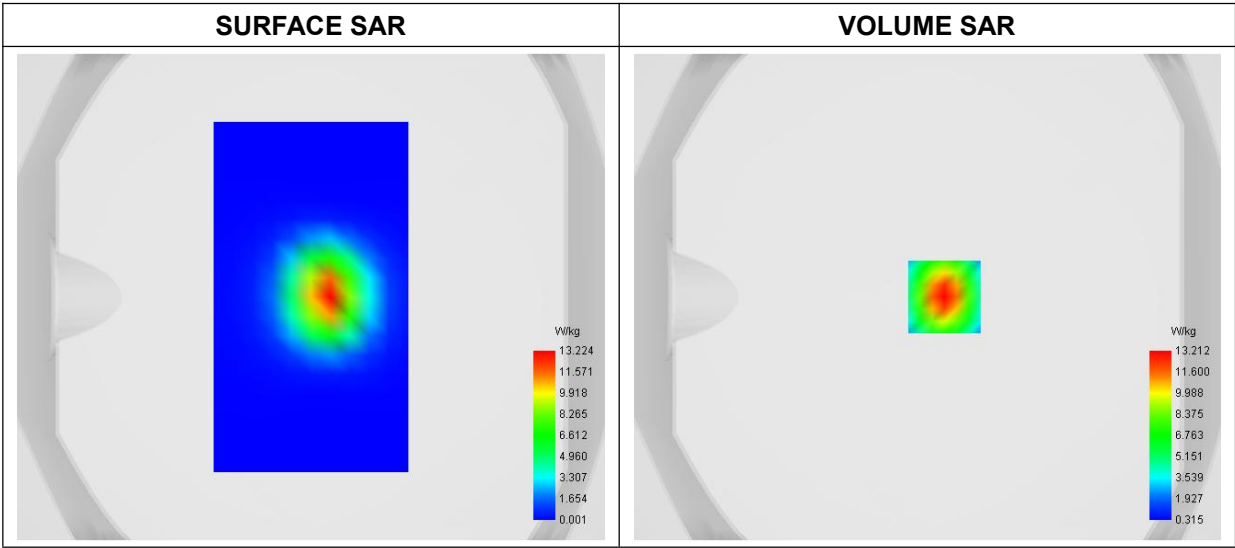
A. Experimental conditions

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)	40.123829
Conductivity (S/m)	1.691278
Power Variation (%)	-1.128500
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



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

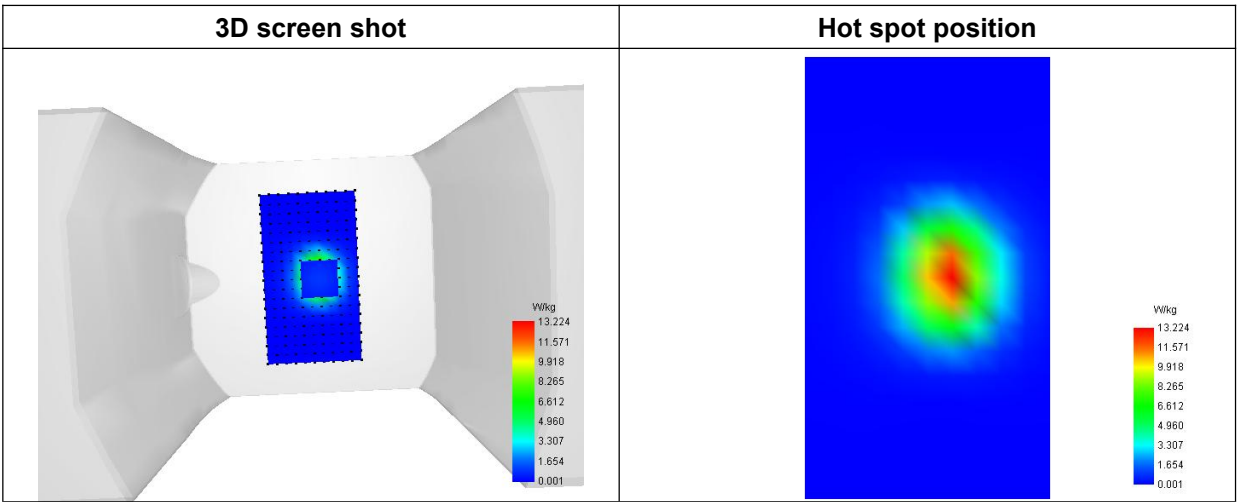
SAR 10g (W/Kg)	5.460417
SAR 1g (W/Kg)	12.023105

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 6

Type: Validation measurement (Fast, 75.00 %)
Date of measurement: 2024-12-25
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.62; Calibrated: 2024-07-11

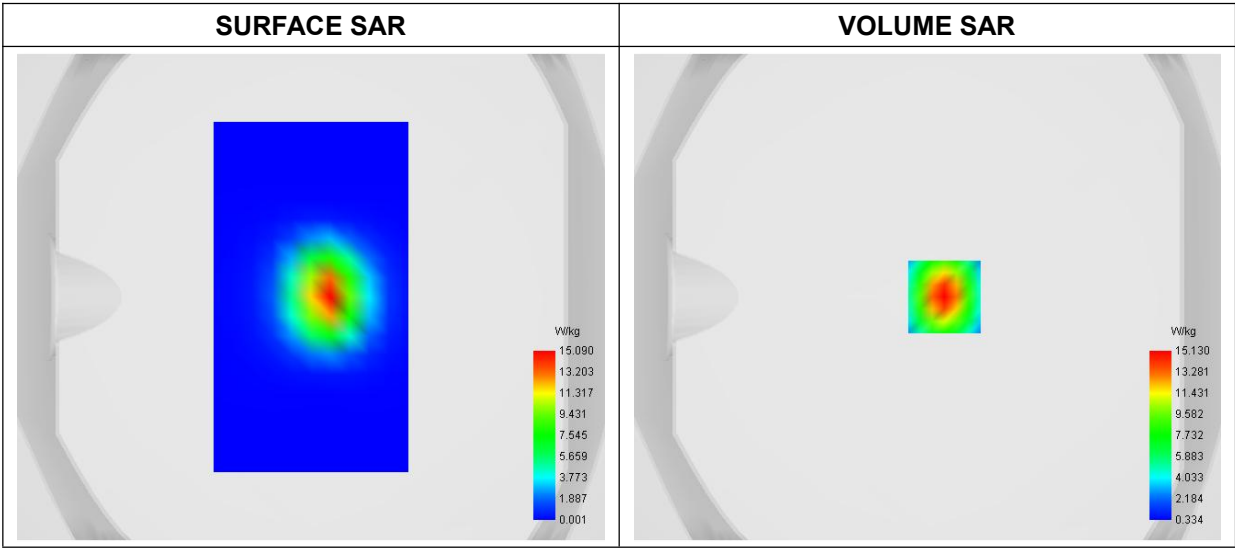
A. Experimental conditions

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)	38.522289
Conductivity (S/m)	1.781828
Power Variation (%)	1.475200
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



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

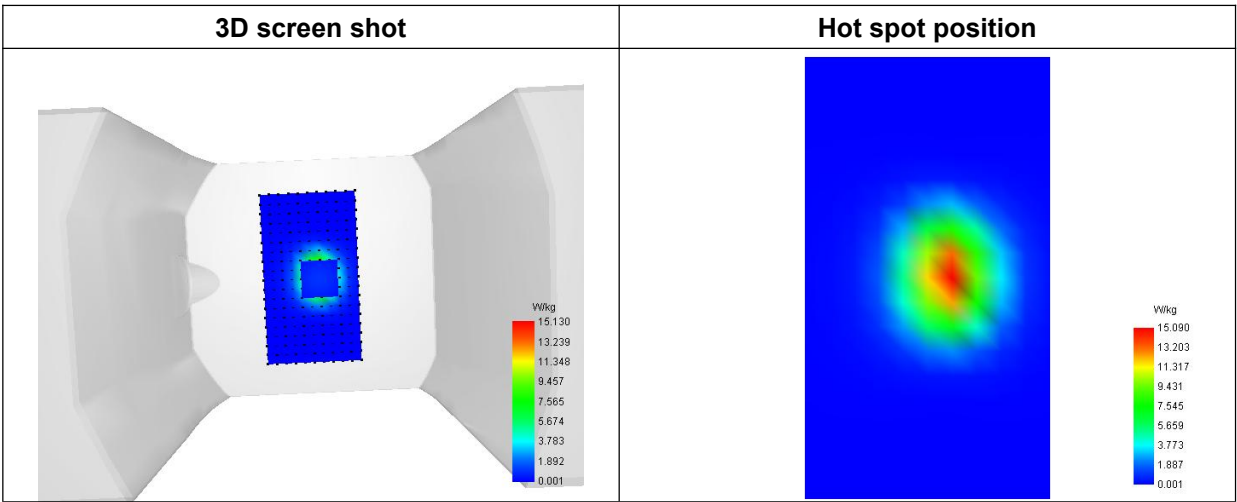
SAR 10g (W/Kg)	6.149024
SAR 1g (W/Kg)	13.746586

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 7

Type: Validation measurement (Fast, 75.00 %)
Date of measurement: 2024-12-23
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.50; Calibrated: 2024-07-11

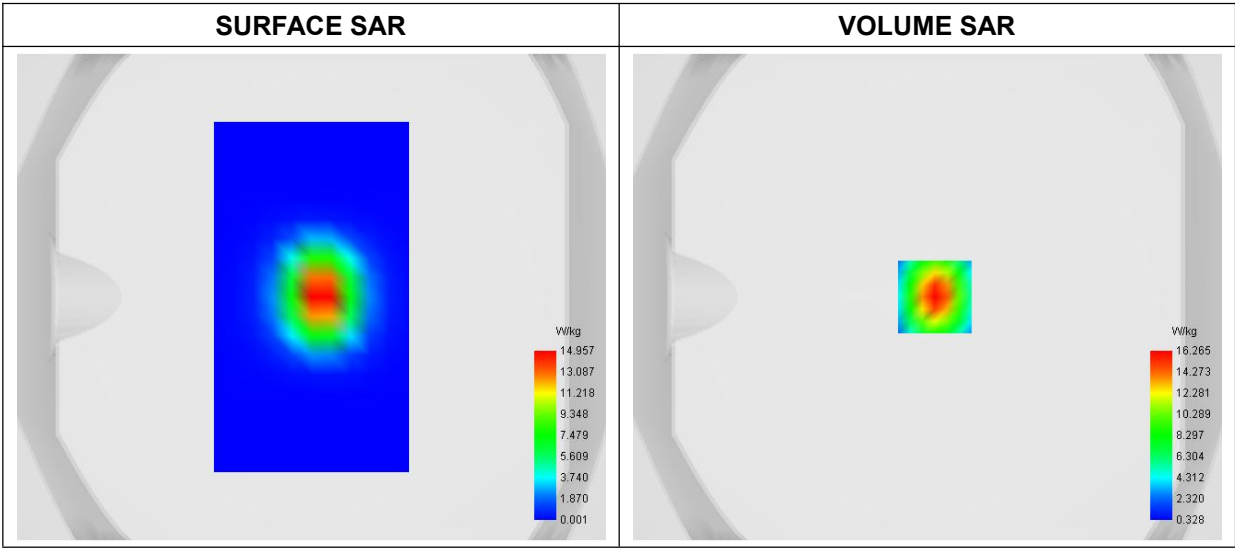
A. Experimental conditions

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)	39.644541
Conductivity (S/m)	1.9342789
Power Variation (%)	1.347100
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



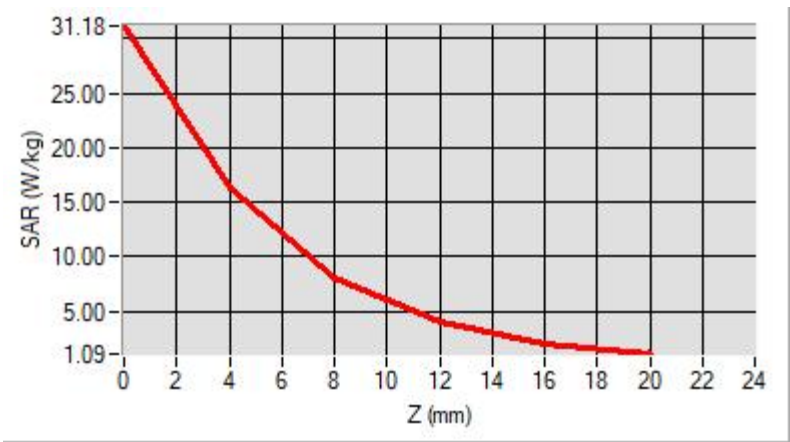
Maximum location: X=3.00, Y=0.00

D. SAR 1g & 10g

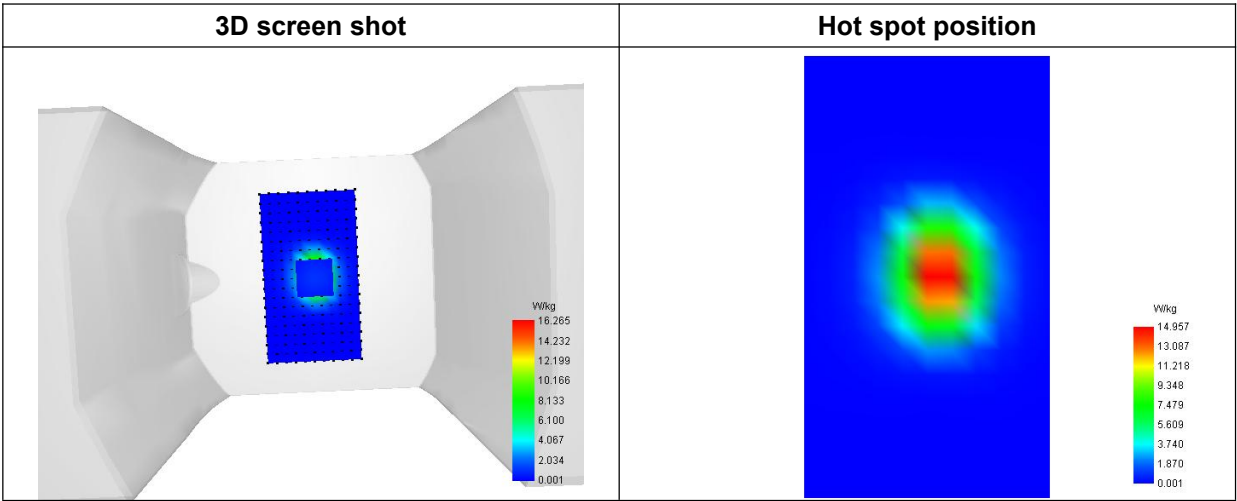
SAR 10g (W/Kg)	6.553727
SAR 1g (W/Kg)	14.814545

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 8

Type: Validation measurement (Fast, 75.00 %)
Date of measurement: 2024-12-25
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.05; Calibrated: 2024-07-11

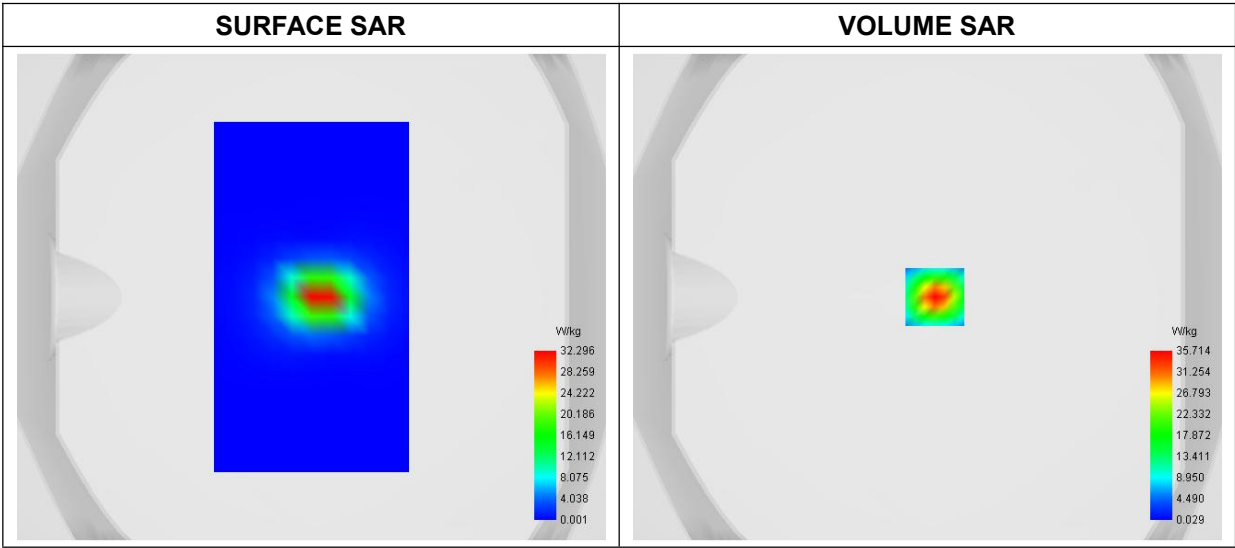
A. Experimental conditions

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)	36.221835
Conductivity (S/m)	4.644561
Power Variation (%)	2.345100
Ambient Temperature	22.6
Liquid Temperature	22.6

C. SAR Surface and Volume

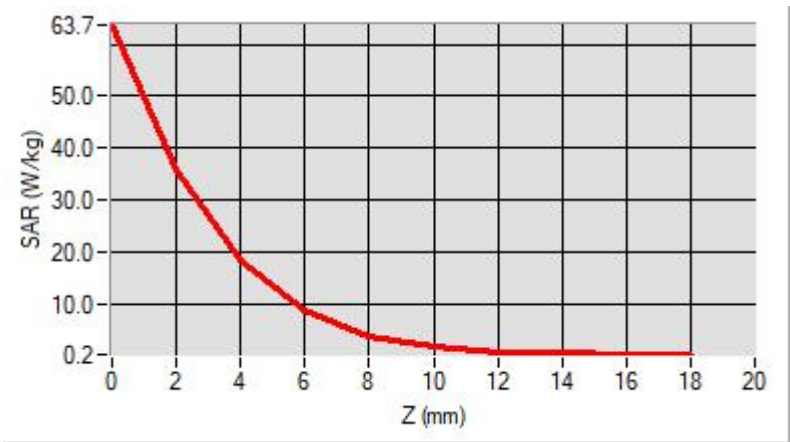


Maximum location: X=3.00, Y=0.00
D. SAR 1g & 10g

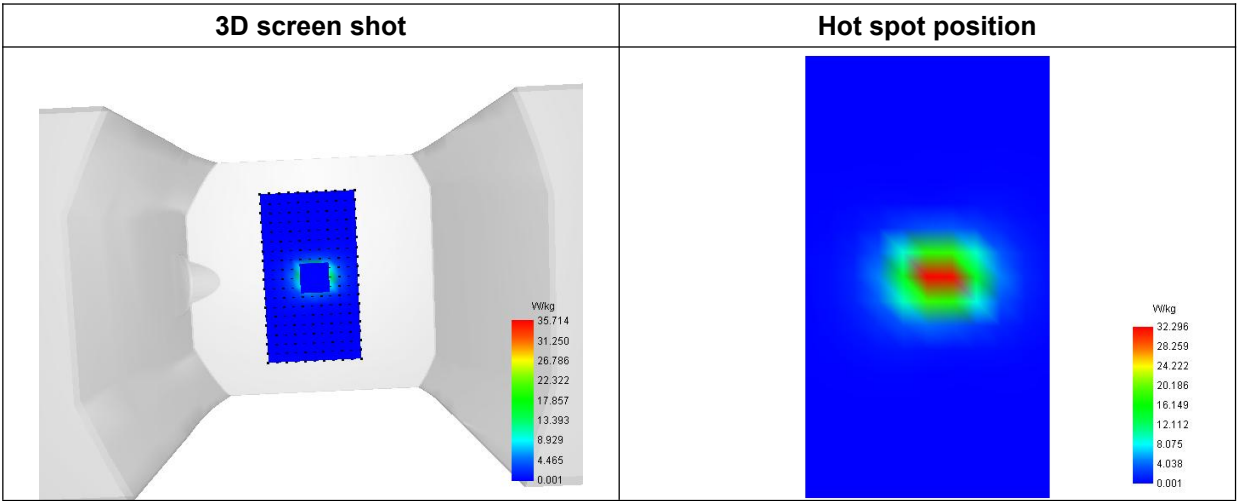
SAR 10g (W/Kg)	5.214336
SAR 1g (W/Kg)	18.566732

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)	63.6940	35.7143	18.3619	8.6368	3.8326	1.6405	0.7180	0.3557	0.2183



F. 3D Image



MEASUREMENT 9

Type: Validation measurement (Fast, 75.00 %)
Date of measurement: 2024-12-24
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 0.99; Calibrated: 2024-07-11

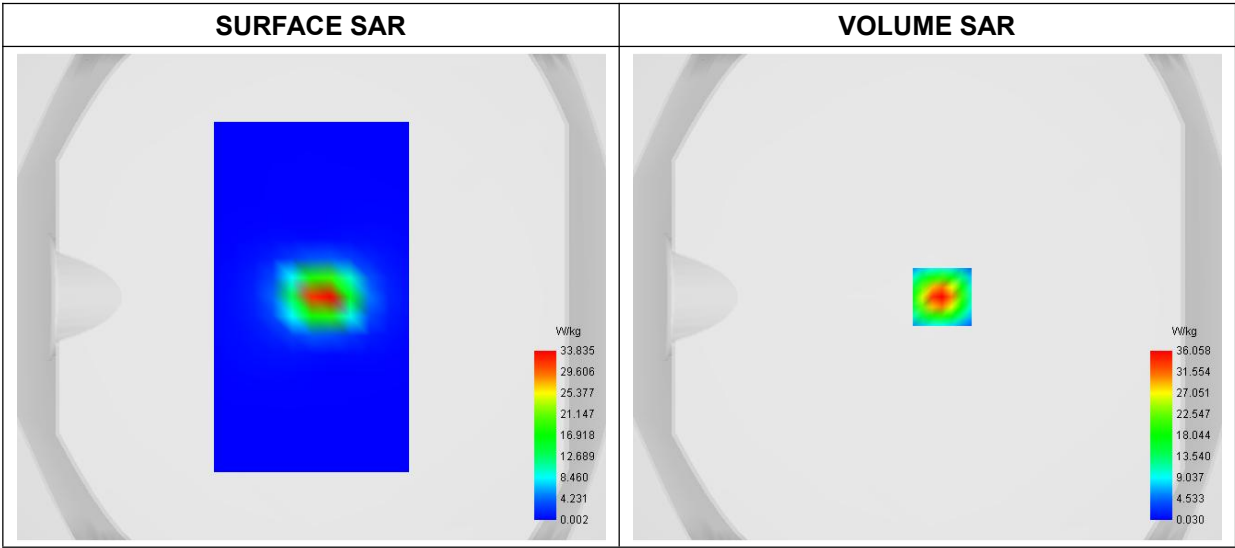
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Signal	CW (Crest factor: 1.0)

B. SAR Measurement Results

Frequency (MHz)	5400.000000
Relative Permittivity (real part)	36.223765
Conductivity (S/m)	4.642471
Power Variation (%)	1.374510
Ambient Temperature	22.6
Liquid Temperature	22.6

C. SAR Surface and Volume

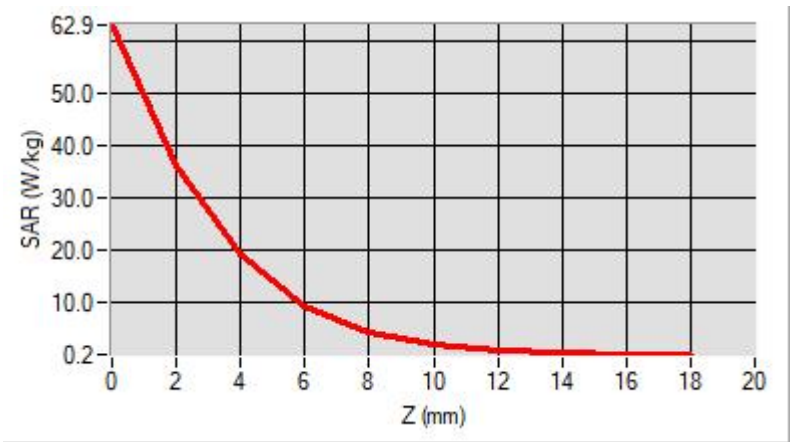


Maximum location: X=6.00, Y=0.00
D. SAR 1g & 10g

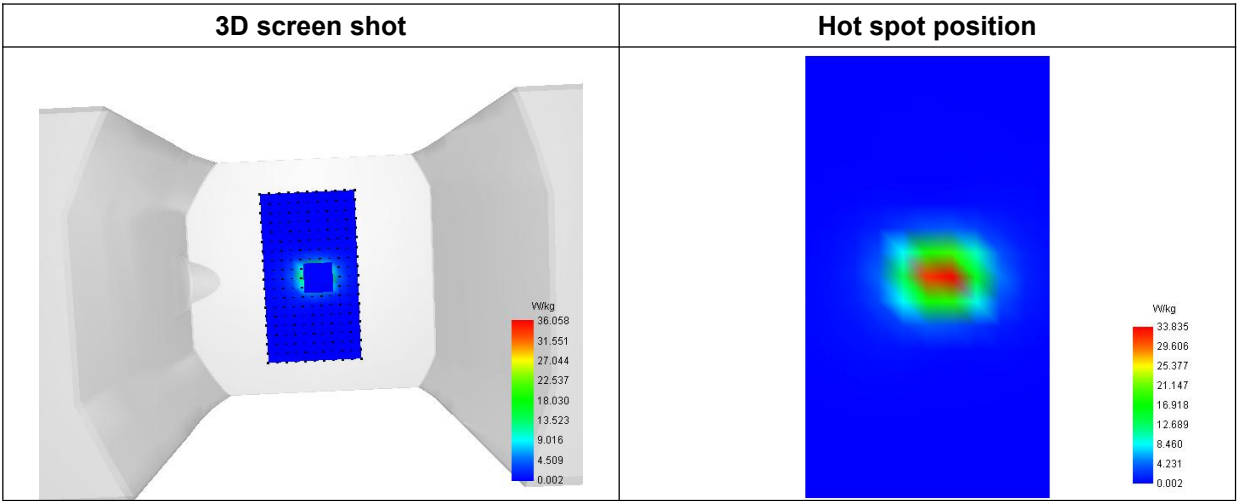
SAR 10g (W/Kg)	5.463589
SAR 1g (W/Kg)	18.979345

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)	62.945	36.057	19.161	9.4529	4.4747	2.0809	0.9976	0.5283	0.3243
	6	9	7						



F. 3D Image



MEASUREMENT 10

Type: Validation measurement (Fast, 75.00 %)
Date of measurement: 2024-12-24
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 0.97; Calibrated: 2024-07-11

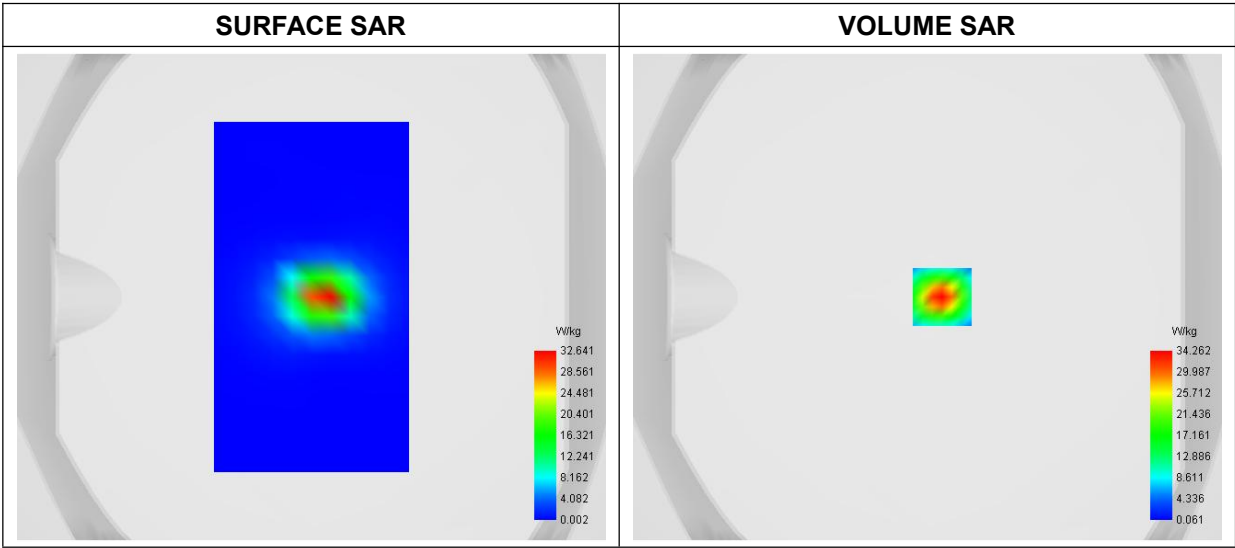
A. Experimental conditions

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)	36.743471
Conductivity (S/m)	5.282958
Power Variation (%)	-1.437500
Ambient Temperature	22.6
Liquid Temperature	22.6

C. SAR Surface and Volume

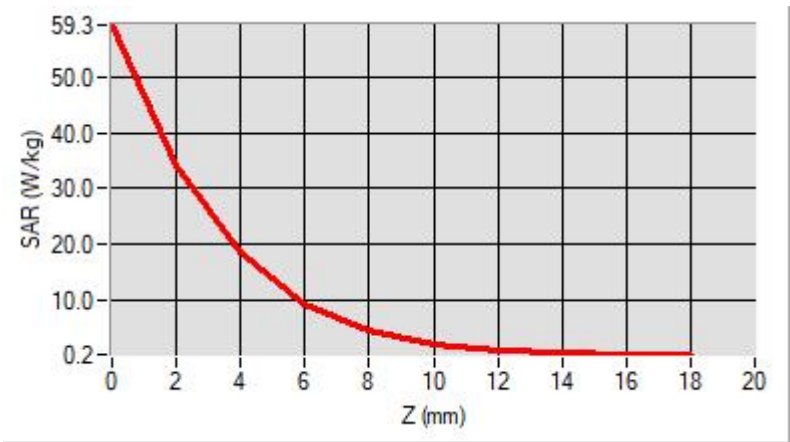


Maximum location: X=6.00, Y=0.00
D. SAR 1g & 10g

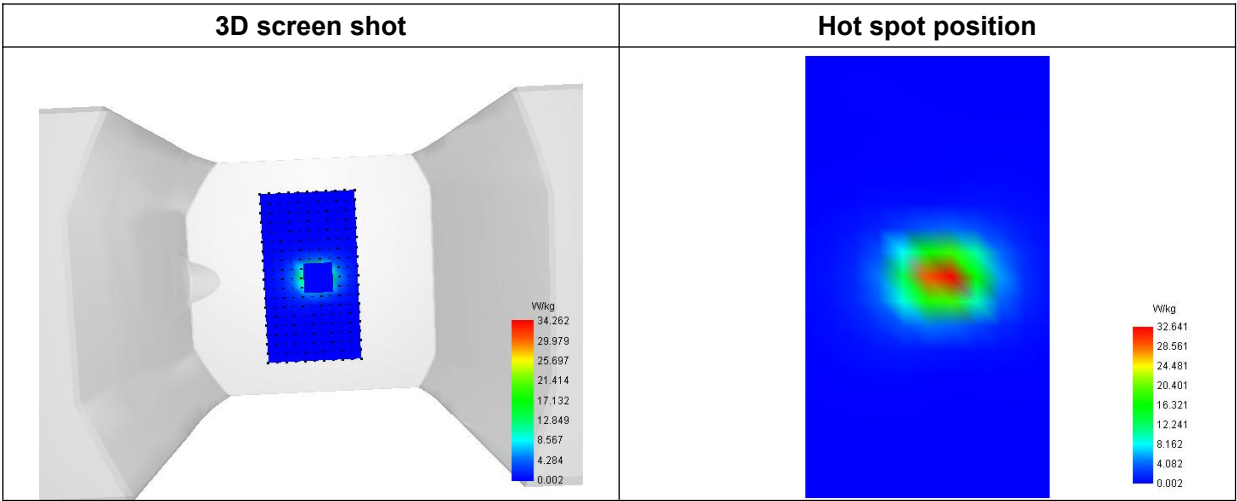
SAR 10g (W/Kg)	5.385932
SAR 1g (W/Kg)	18.087402

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: 2024-12-20
Measurement duration: 11 minutes 48 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.28; Calibrated: 2024-07-11

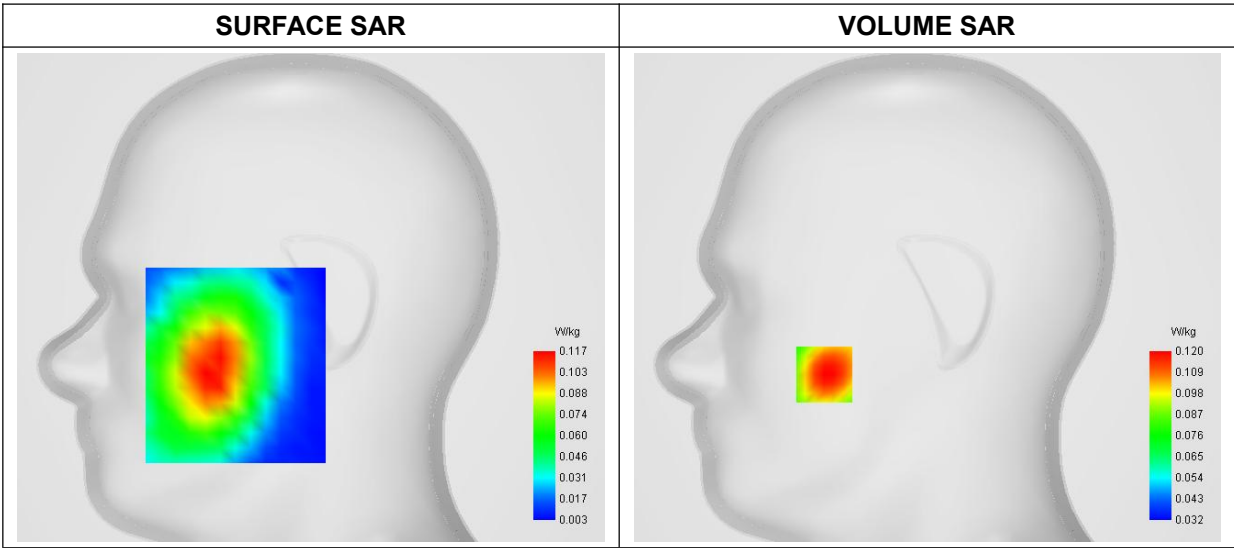
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Right head
Device Position	Cheek
Band	GSM850
Channels	Low
Signal	TDMA (Crest factor: 8.0)

B. SAR Measurement Results

Frequency (MHz)	824.200000
Relative Permittivity (real part)	40.832245
Conductivity (S/m)	0.891245
Power Variation (%)	1.453600
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



Maximum location: X=-55.00, Y=-41.00

D. SAR 1g & 10g

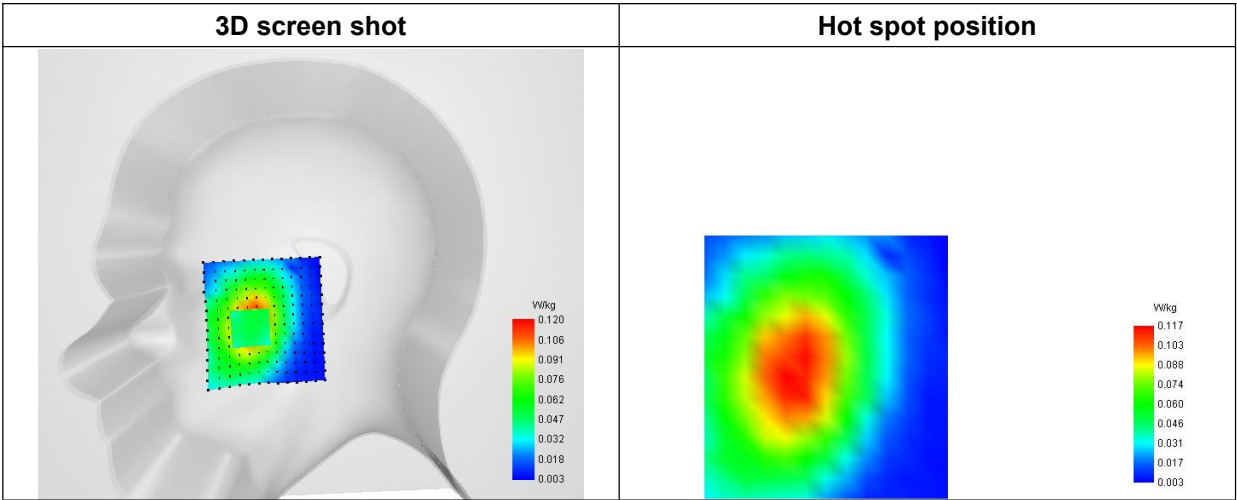
SAR 10g (W/Kg)	0.084592
SAR 1g (W/Kg)	0.115623

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.1526	0.1204	0.0957	0.0774	0.0638



F. 3D Image



MEASUREMENT 2

Type: Measurement (Complete)
Date of measurement: 2024-12-20
Measurement duration: 11 minutes 48 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.28; Calibrated: 2024-07-11

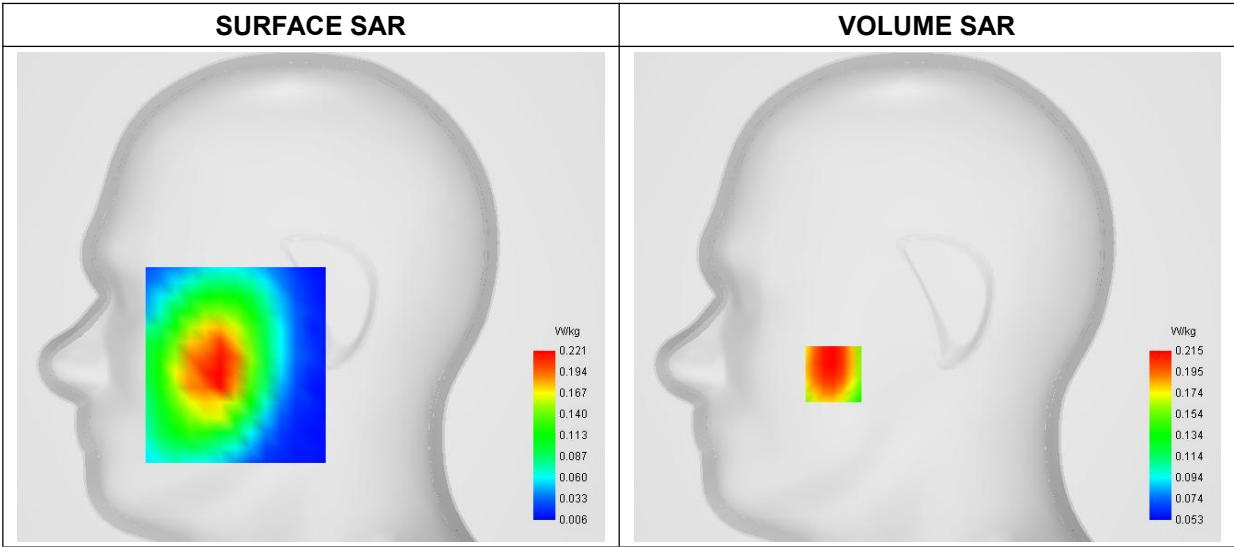
A. Experimental conditions

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

B. SAR Measurement Results

Frequency (MHz)	824.200000
Relative Permittivity (real part)	40.832245
Conductivity (S/m)	0.891245
Power Variation (%)	0.128940
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



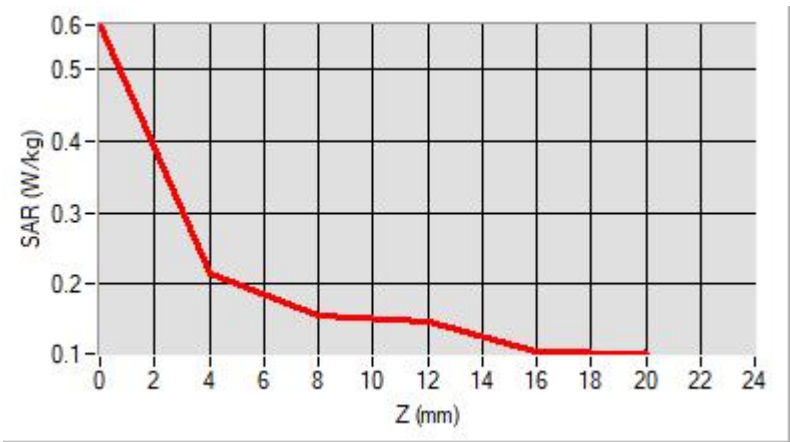
Maximum location: X=-50.00, Y=-41.00

D. SAR 1g & 10g

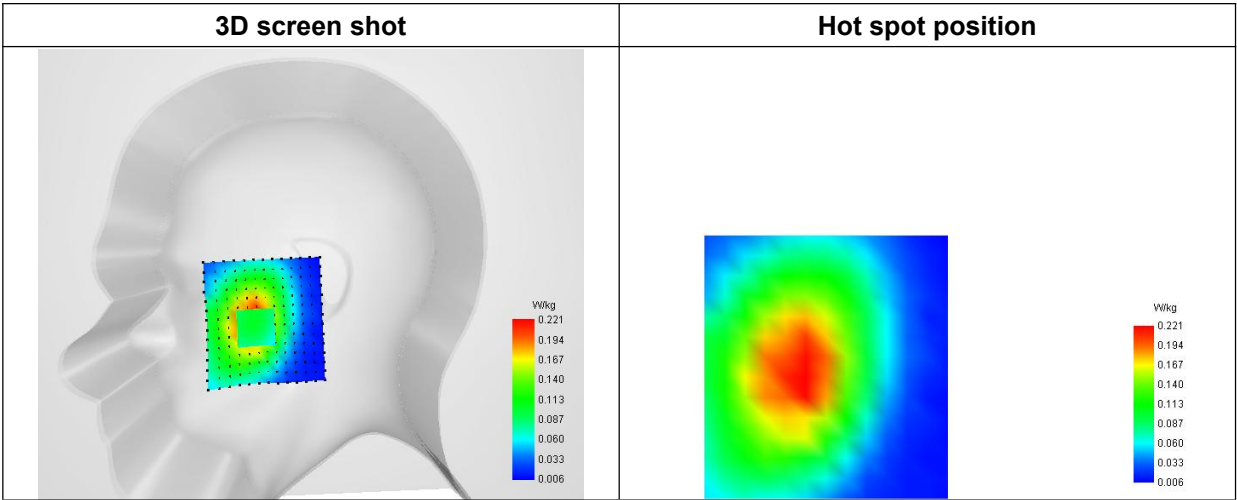
SAR 10g (W/Kg)	0.155943
SAR 1g (W/Kg)	0.206936

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.5632	0.2147	0.1567	0.1484	0.1058



F. 3D Image



MEASUREMENT 3

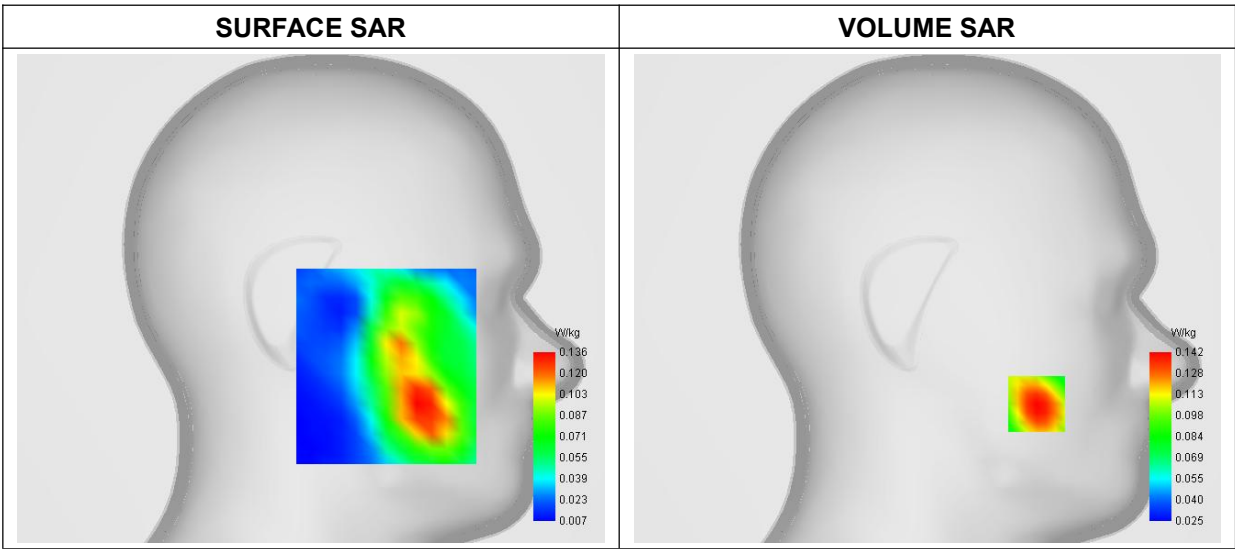
Type: Measurement (Complete)
Date of measurement: 2024-12-18
Measurement duration: 11 minutes 48 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.37; Calibrated: 2024-07-11
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Left head
Device Position	Cheek
Band	GSM1900
Channels	Low
Signal	TDMA (Crest factor: 8.0)

B. SAR Measurement Results

Frequency (MHz)	1850.200000
Relative Permittivity (real part)	39.512245
Conductivity (S/m)	1.392815
Power Variation (%)	0.154800
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



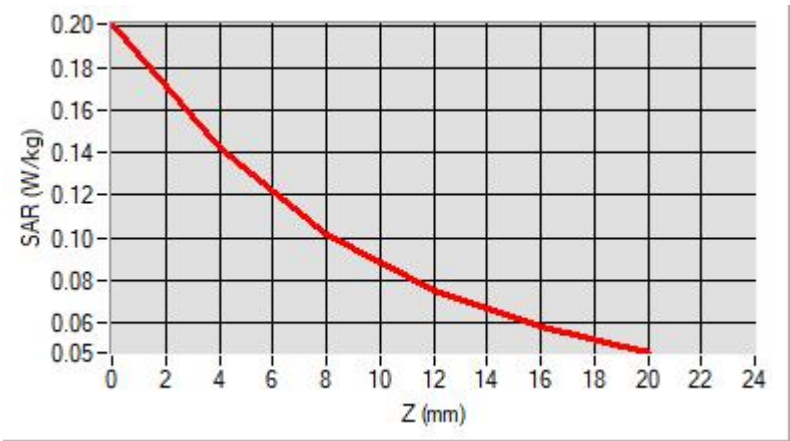
Maximum location: X=-58.00, Y=-56.00

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.088309
SAR 1g (W/Kg)	0.135060

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.2005	0.1422	0.1019	0.0755	0.0584



F. 3D Image

3D screen shot	Hot spot position
A 3D rendering of a human head model in profile, facing right. A rectangular region on the ear/temple area is highlighted with a color-coded SAR distribution. A color scale on the right indicates SAR values from 0.007 (blue) to 0.142 (red) W/kg.	A 2D color-coded image showing the hot spot position. The color scale on the right indicates SAR values from 0.007 (blue) to 0.136 (red) W/kg. The highest SAR values (red/orange) are concentrated in the center of the hot spot.

MEASUREMENT 4

Type: Measurement (Complete)
Date of measurement: 2024-12-18
Measurement duration: 11 minutes 48 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.37; Calibrated: 2024-07-11

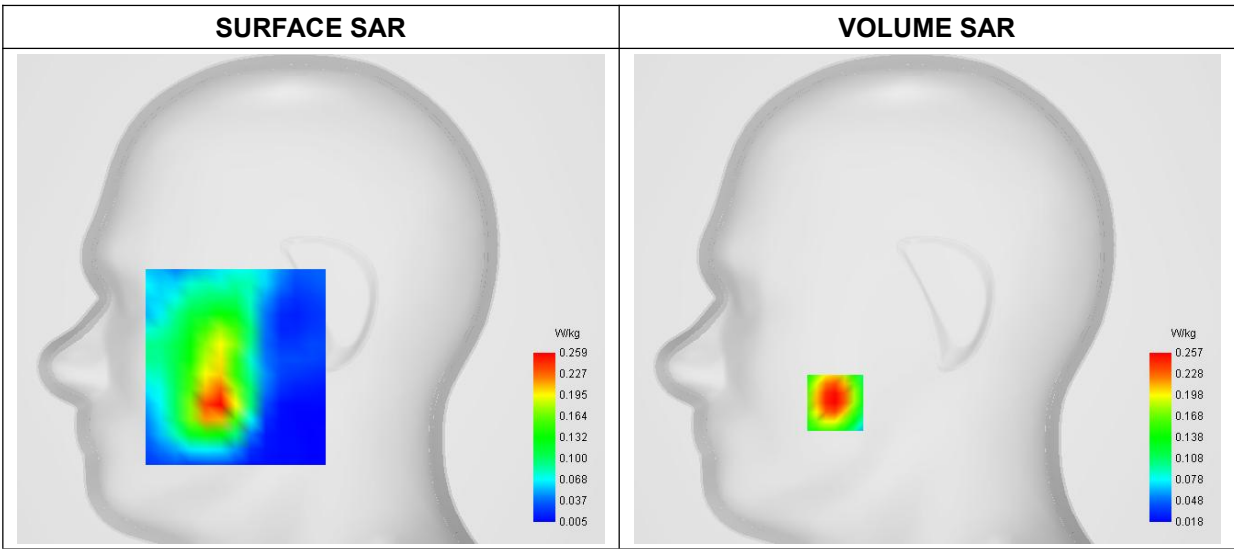
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Left head
Device Position	Cheek
Band	GPRS1900_4TX
Channels	Low
Signal	Duty Cycle: 1:2

B. SAR Measurement Results

Frequency (MHz)	1850.200000
Relative Permittivity (real part)	39.512245
Conductivity (S/m)	1.392815
Power Variation (%)	-0.154700
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



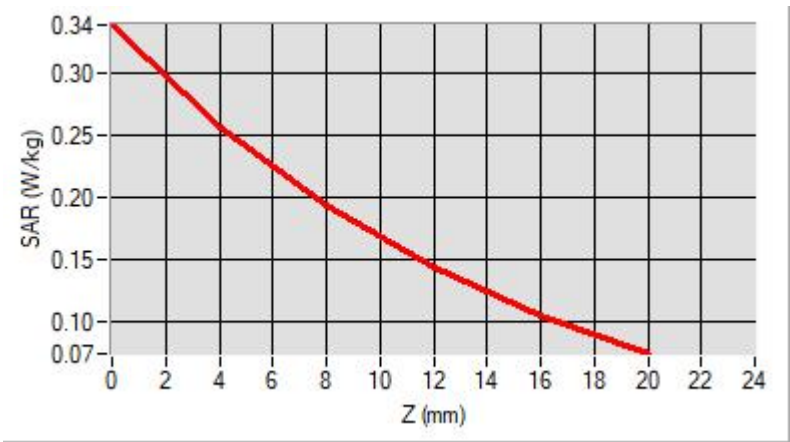
Maximum location: X=-49.00, Y=-55.00

D. SAR 1g & 10g

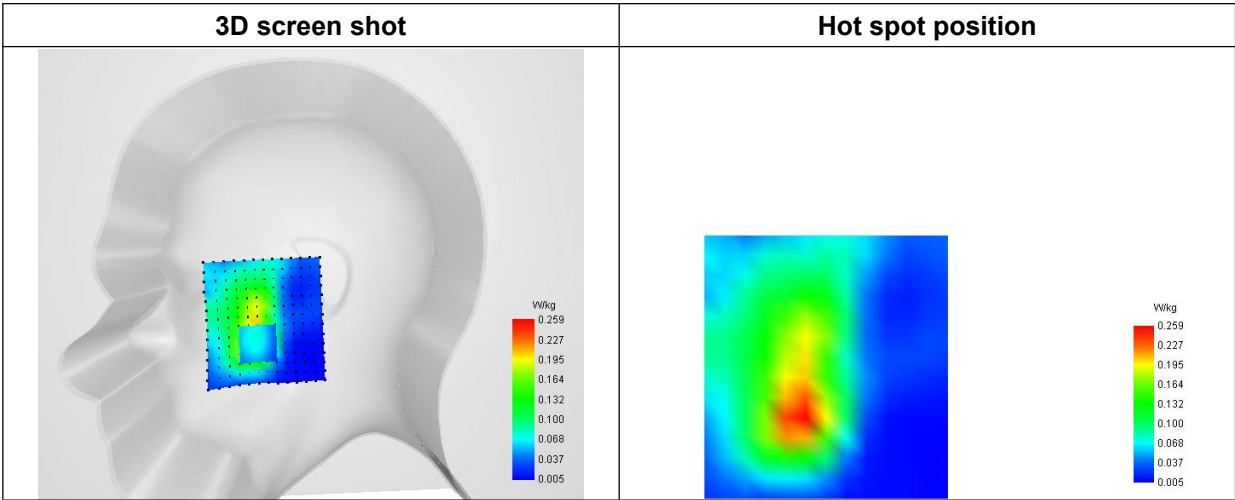
SAR 10g (W/Kg)	0.150206
SAR 1g (W/Kg)	0.240861

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.3391	0.2574	0.1931	0.1433	0.1048



F. 3D Image



MEASUREMENT 5

Type: Measurement (Complete)
Date of measurement: 2024-12-17
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.50; Calibrated: 2024-07-11

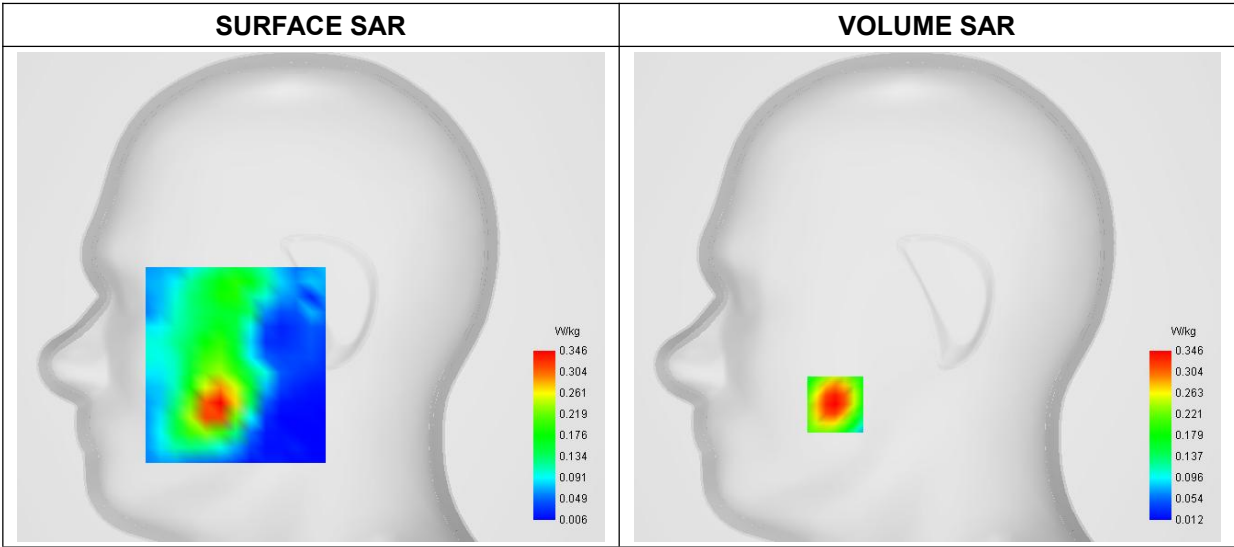
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Right head
Device Position	Cheek
Band	WCDMA1900_RMC
Channels	High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	1907.600000
Relative Permittivity (real part)	39.111248
Conductivity (S/m)	1.413607
Power Variation (%)	0.822400
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



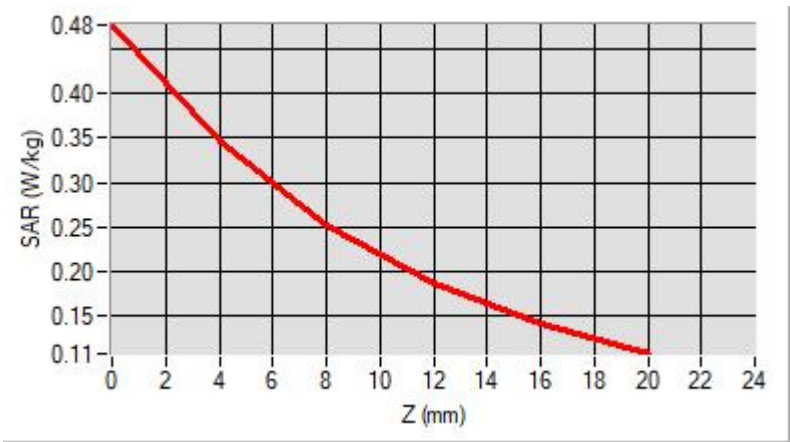
Maximum location: X=-49.00, Y=-57.00

D. SAR 1g & 10g

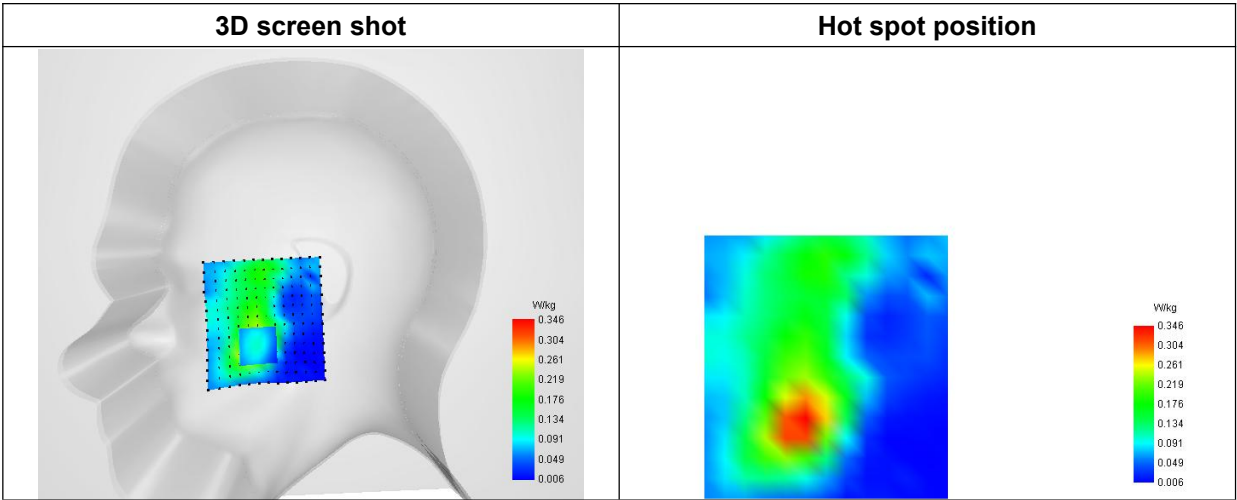
SAR 10g (W/Kg)	0.198045
SAR 1g (W/Kg)	0.321158

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.4782	0.3461	0.2513	0.1856	0.1403



F. 3D Image



MEASUREMENT 6

Type: Measurement (Complete)
Date of measurement: 2024-12-18
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.37; Calibrated: 2024-07-11

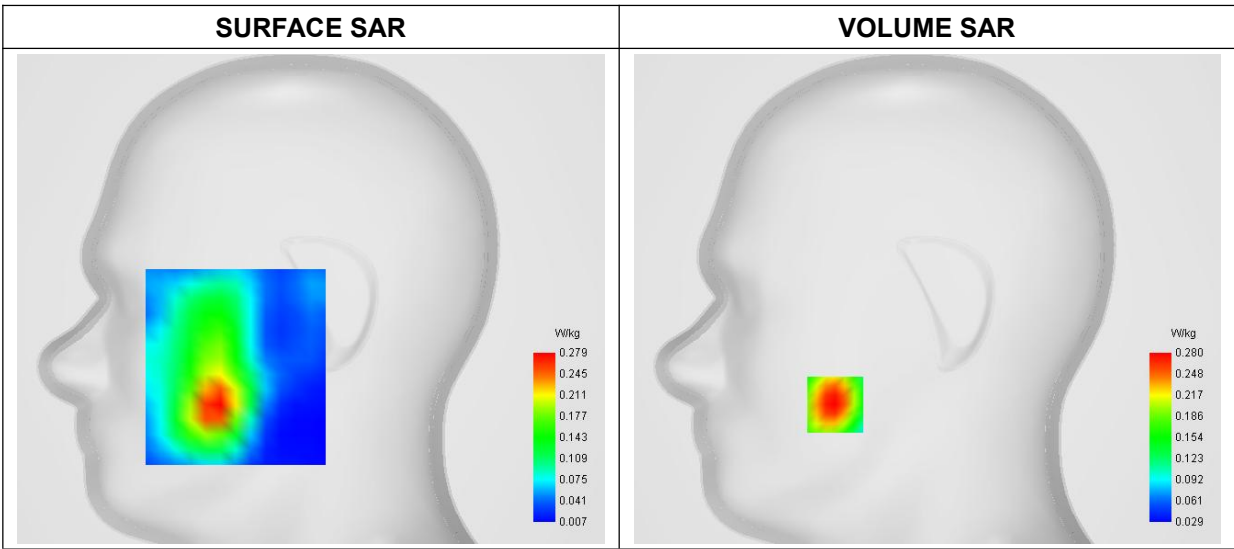
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Right head
Device Position	Cheek
Band	WCDMA1700_RMC
Channels	High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	1752.600000
Relative Permittivity (real part)	39.514751
Conductivity (S/m)	1.393671
Power Variation (%)	0.864500
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



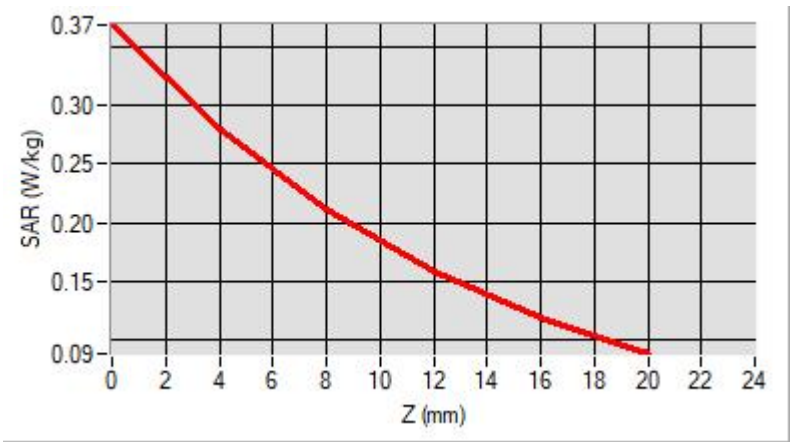
Maximum location: X=-49.00, Y=-56.00

D. SAR 1g & 10g

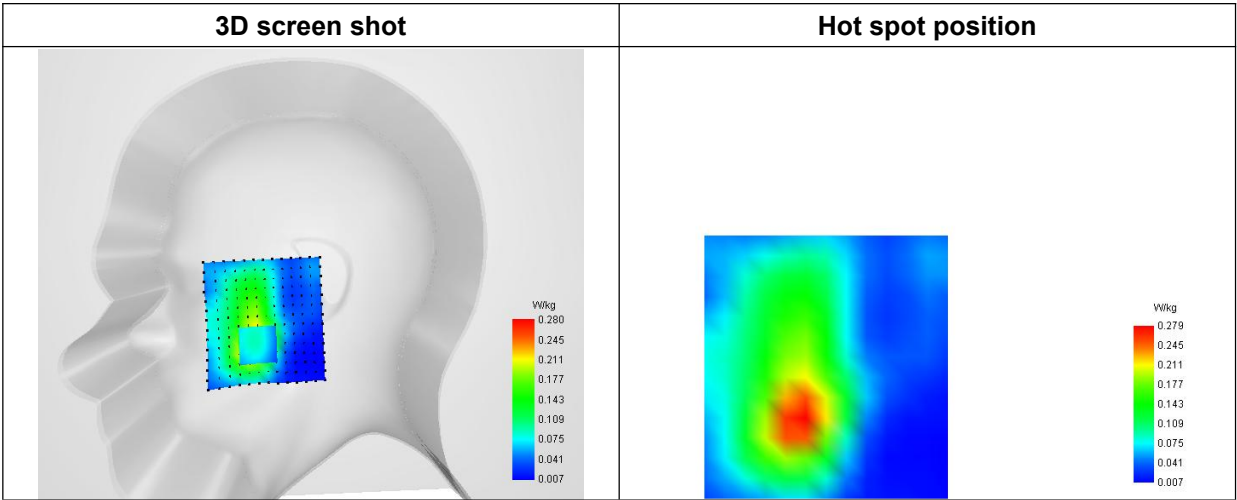
SAR 10g (W/Kg)	0.169292
SAR 1g (W/Kg)	0.261783

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.3681	0.2796	0.2112	0.1595	0.1202



F. 3D Image



MEASUREMENT 7

Type: Measurement (Complete)
Date of measurement: 2024-12-20
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.28; Calibrated: 2024-07-11

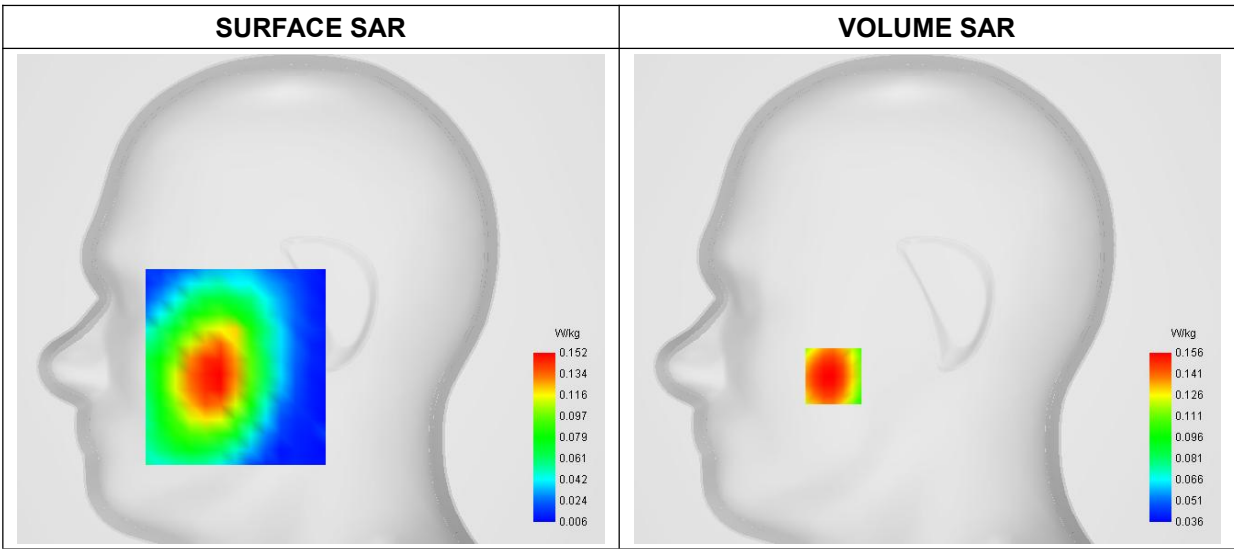
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Right head
Device Position	Cheek
Band	WCDMA850_RMC
Channels	Low
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	826.400000
Relative Permittivity (real part)	40.832458
Conductivity (S/m)	0.891459
Power Variation (%)	-1.363800
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



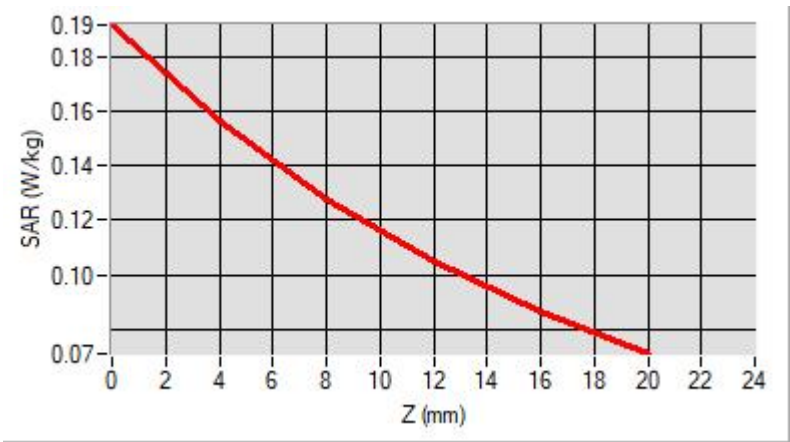
Maximum location: X=-50.00, Y=-41.00

D. SAR 1g & 10g

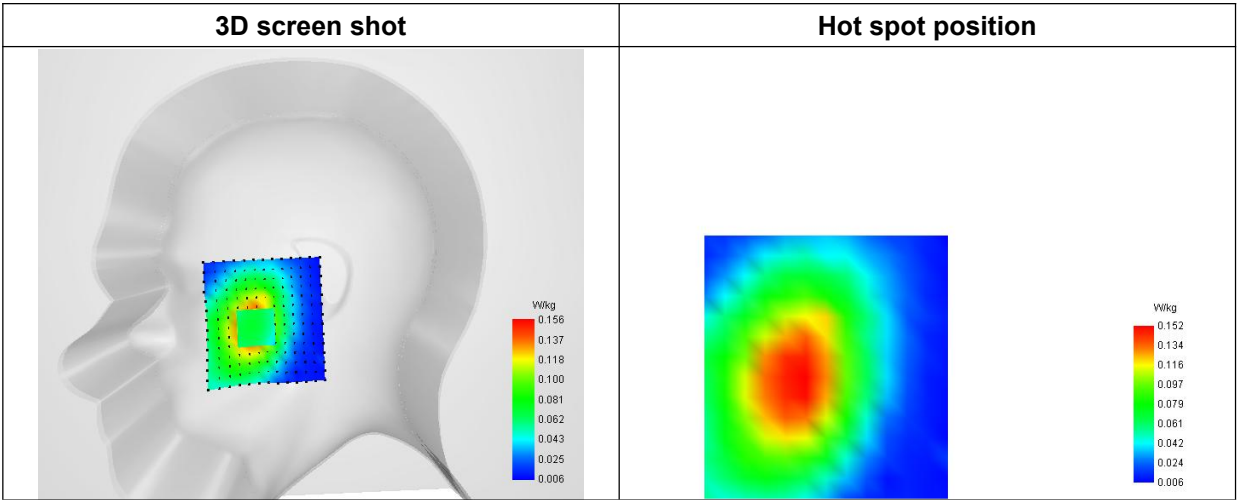
SAR 10g (W/Kg)	0.111594
SAR 1g (W/Kg)	0.150469

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.1914	0.1561	0.1274	0.1047	0.0864



F. 3D Image



MEASUREMENT 8

Type: Measurement (Complete)
Date of measurement: 2024-12-17
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.37; Calibrated: 2024-07-11

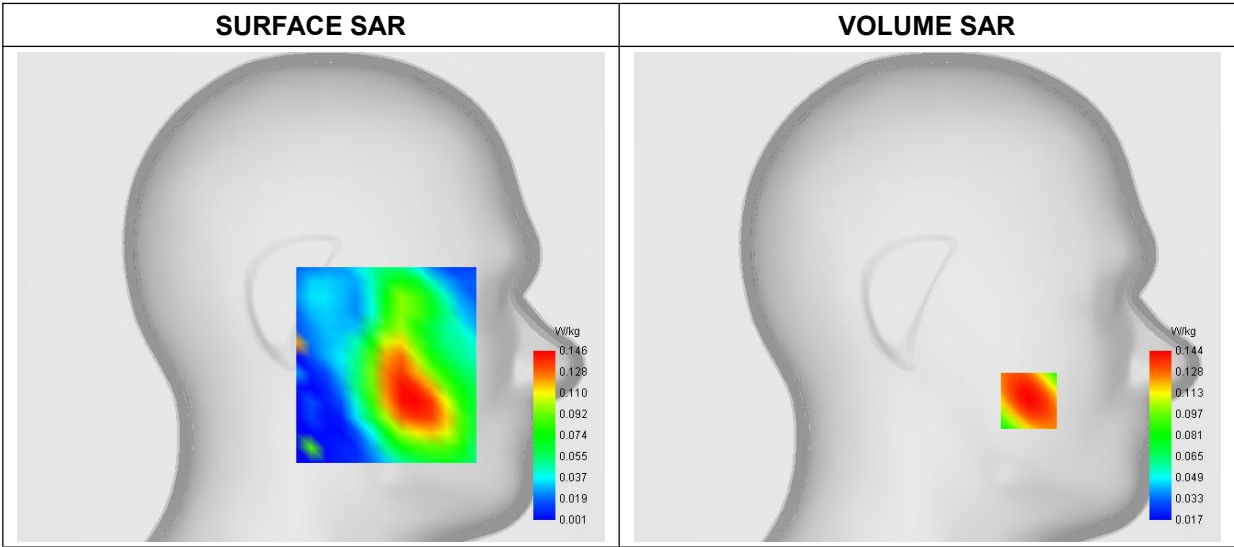
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 2
Channels	16QAM, 20MHz, 1RB, Middle
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative Permittivity (real part)	39.111146
Conductivity (S/m)	1.413923
Power Variation (%)	-1.348500
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



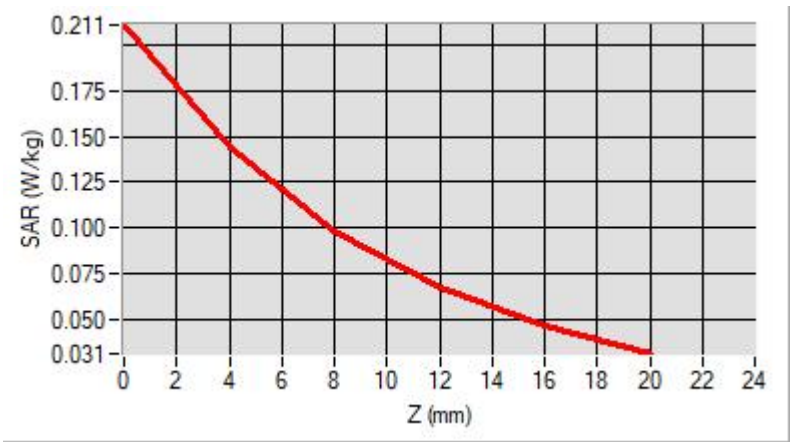
Maximum location: X=-54.00, Y=-55.00

D. SAR 1g & 10g

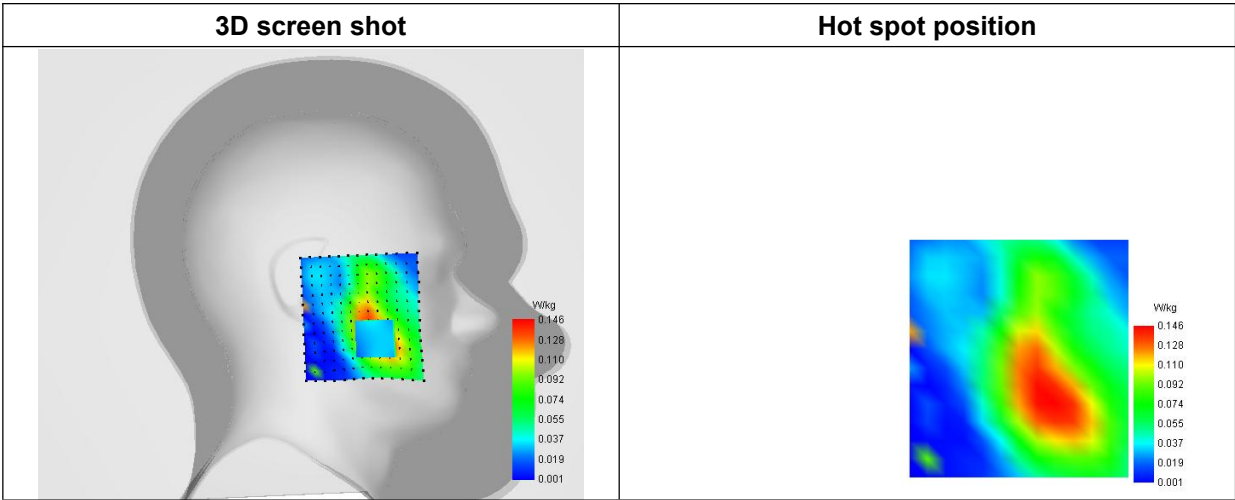
SAR 10g (W/Kg)	0.086282
SAR 1g (W/Kg)	0.137458

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.2112	0.1444	0.0980	0.0668	0.0460



F. 3D Image



MEASUREMENT 9

Type: Measurement (Complete)
Date of measurement: 2024-12-18
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.37; Calibrated: 2024-07-11

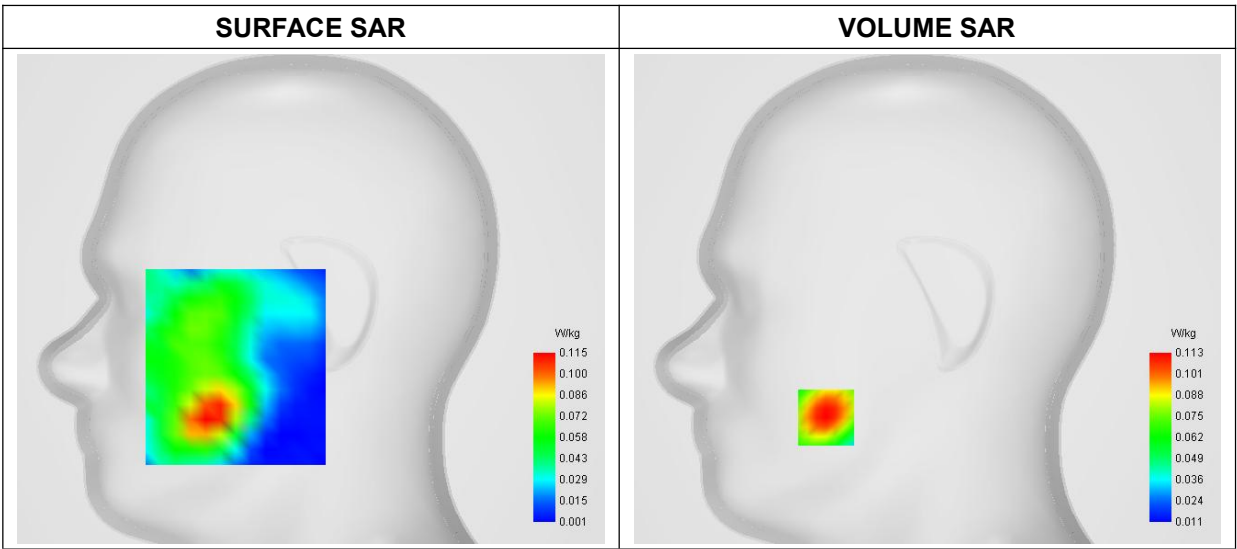
A. Experimental conditions

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

B. SAR Measurement Results

Frequency (MHz)	1745.000000
Relative Permittivity (real part)	39.511327
Conductivity (S/m)	1.392872
Power Variation (%)	1.085600
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



Maximum location: X=-54.00, Y=-63.00

D. SAR 1g & 10g

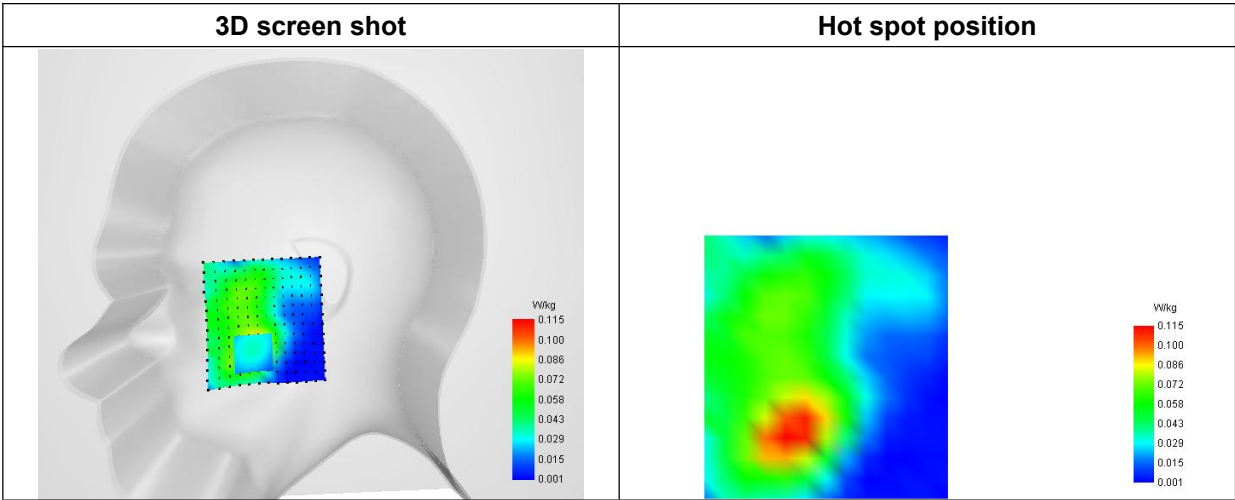
SAR 10g (W/Kg)	0.068471
SAR 1g (W/Kg)	0.106639

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.1496	0.1133	0.0852	0.0639	0.0478



F. 3D Image



MEASUREMENT 10

Type: Measurement (Complete)
Date of measurement: 2024-12-20
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.28; Calibrated: 2024-07-11

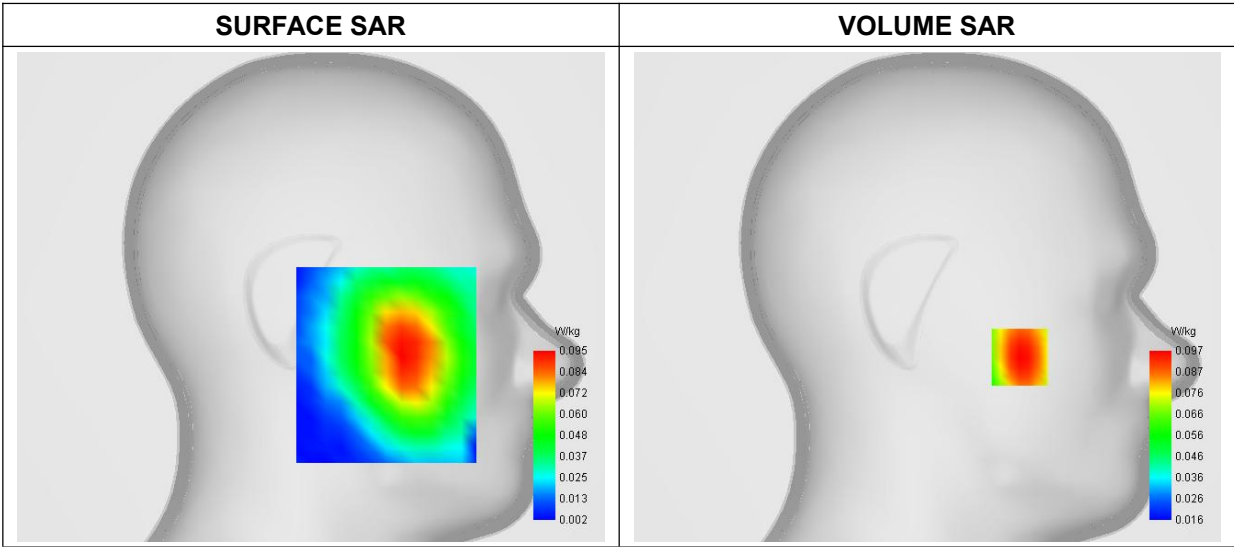
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 5
Channels	QPSK, 10MHz, 1RB, Low
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	829.000000
Relative Permittivity (real part)	40.833245
Conductivity (S/m)	0.892458
Power Variation (%)	-0.878500
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



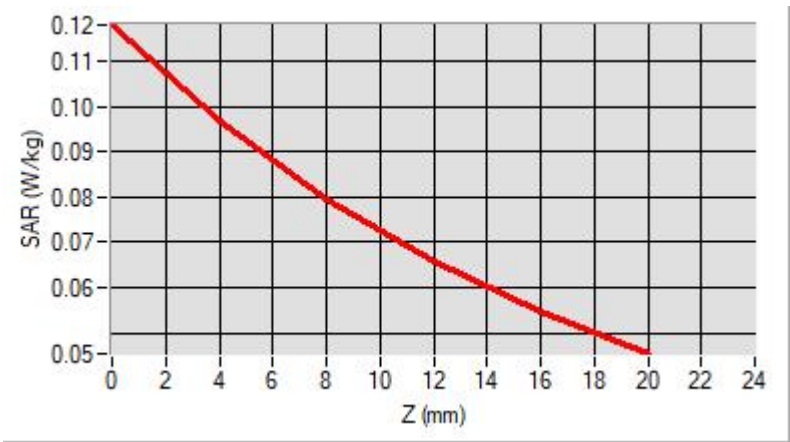
Maximum location: X=-49.00, Y=-32.00

D. SAR 1g & 10g

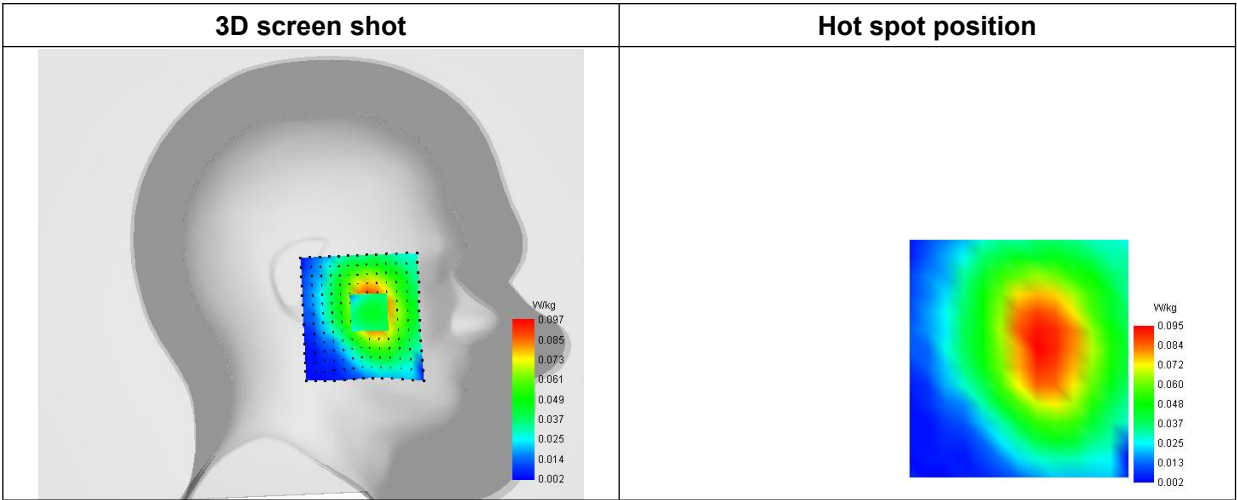
SAR 10g (W/Kg)	0.068440
SAR 1g (W/Kg)	0.092585

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.1180	0.0967	0.0795	0.0658	0.0548



F. 3D Image



MEASUREMENT 11

Type: Measurement (Complete)
Date of measurement: 2024-12-23
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.50; Calibrated: 2024-07-11

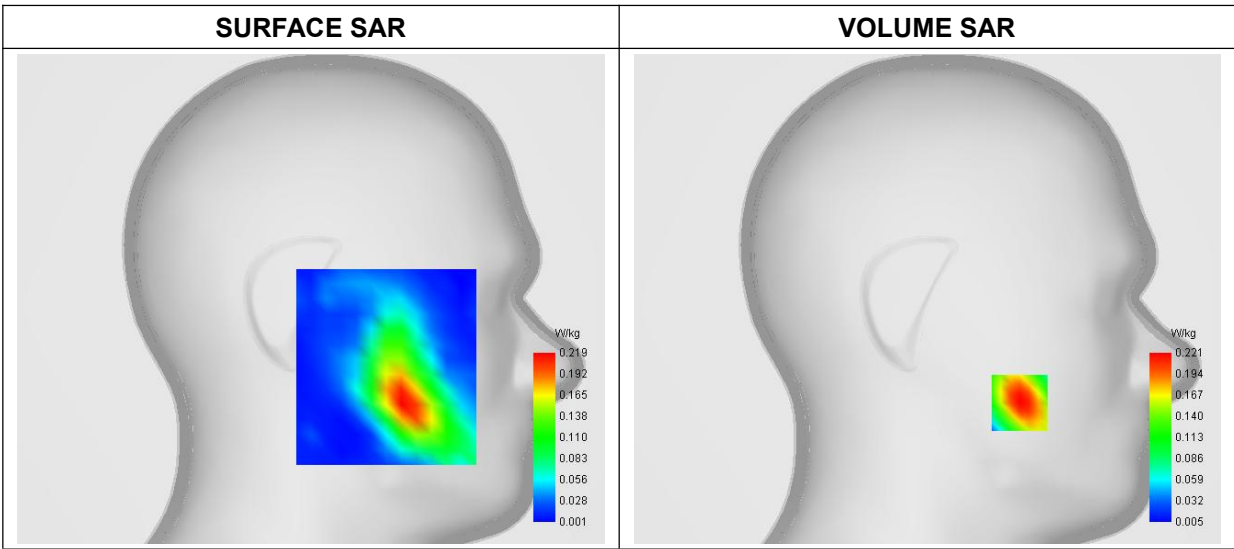
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 7
Channels	16QAM, 20MHz, 1RB, High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2560.000000
Relative Permittivity (real part)	39.641327
Conductivity (S/m)	1.932987
Power Variation (%)	1.085600
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



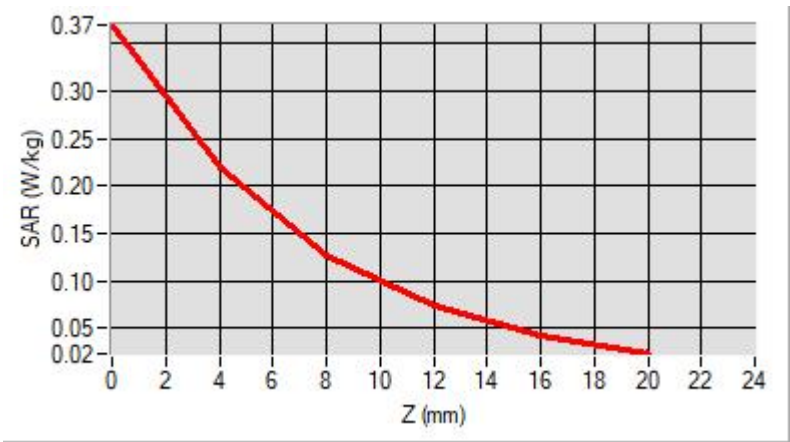
Maximum location: X=-49.00, Y=-55.00

D. SAR 1g & 10g

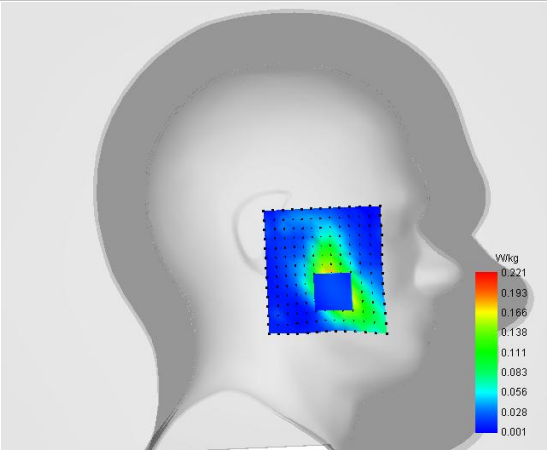
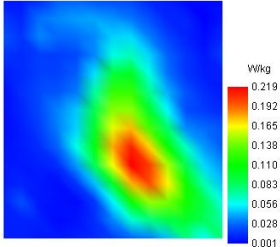
SAR 10g (W/Kg)	0.106635
SAR 1g (W/Kg)	0.205157

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.3693	0.2205	0.1278	0.0735	0.0427



F. 3D Image

3D screen shot	Hot spot position
	

MEASUREMENT 12

Type: Measurement (Complete)
Date of measurement: 2024-12-19
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.27; Calibrated: 2024-07-11

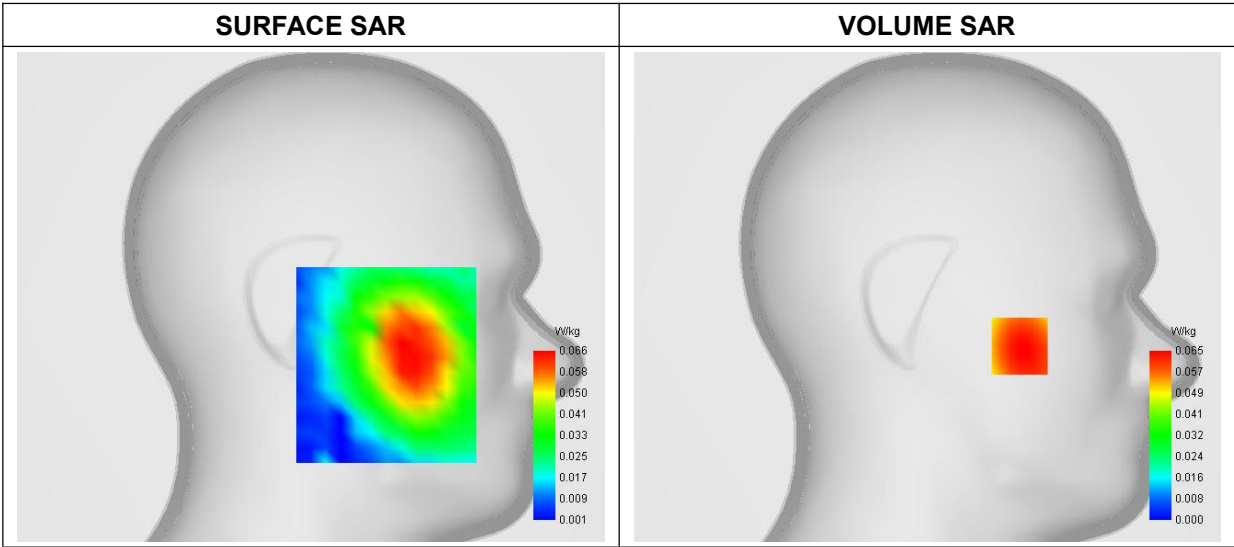
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 12
Channels	QPSK, 10MHz, 1RB, Low
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	704.000000
Relative Permittivity (real part)	41.144156
Conductivity (S/m)	0.871822
Power Variation (%)	-1.785400
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



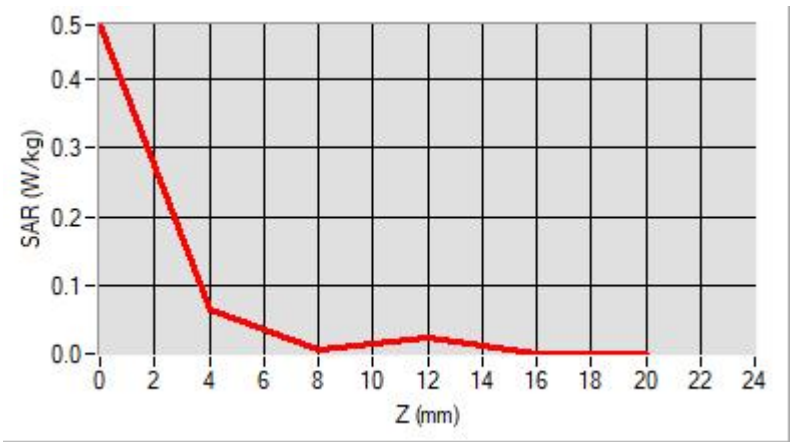
Maximum location: X=-49.00, Y=-26.00

D. SAR 1g & 10g

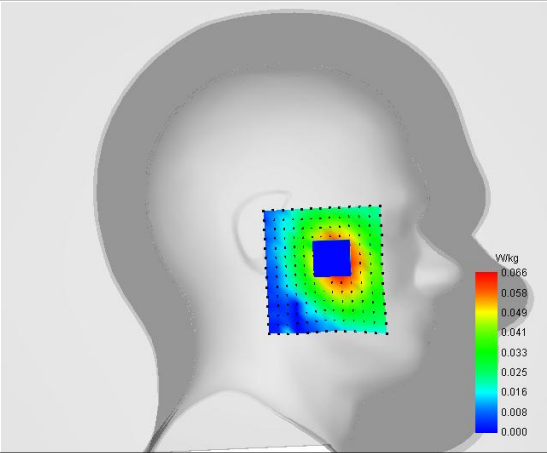
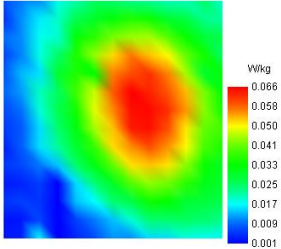
SAR 10g (W/Kg)	0.044619
SAR 1g (W/Kg)	0.103293

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.4796	0.0649	0.0070	0.0228	0.0005



F. 3D Image

3D screen shot	Hot spot position
	

MEASUREMENT 13

Type: Measurement (Complete)
Date of measurement: 2024-12-19
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.27; Calibrated: 2024-07-11

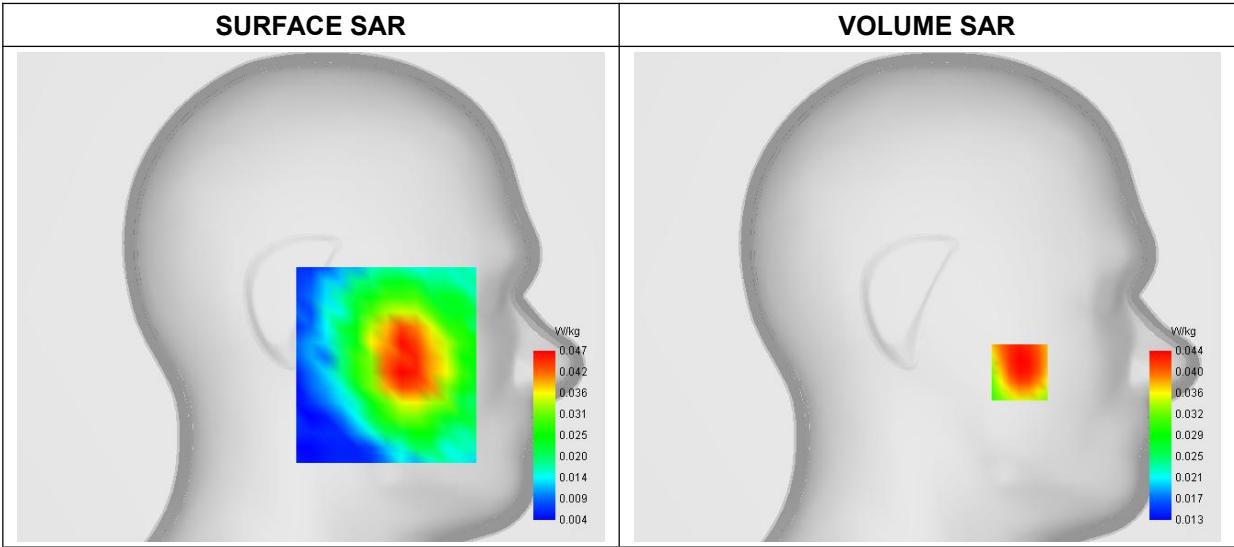
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 13
Channels	QPSK, 10MHz, 1RB, Middle
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	782.000000
Relative Permittivity (real part)	41.144262
Conductivity (S/m)	0.871925
Power Variation (%)	0.186991
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



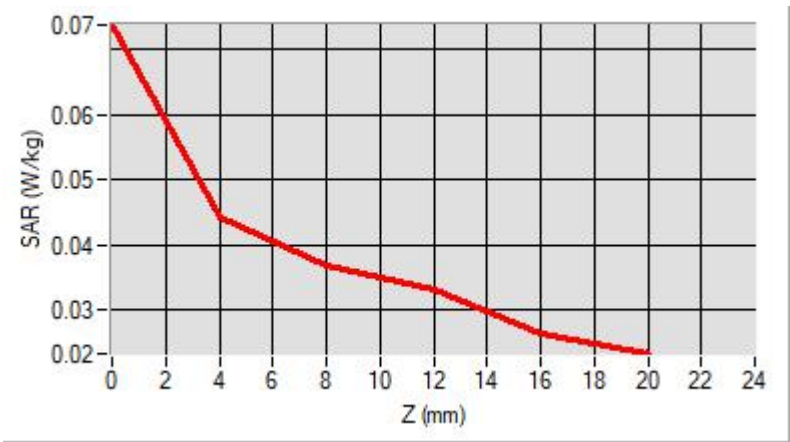
Maximum location: X=-49.00, Y=-40.00

D. SAR 1g & 10g

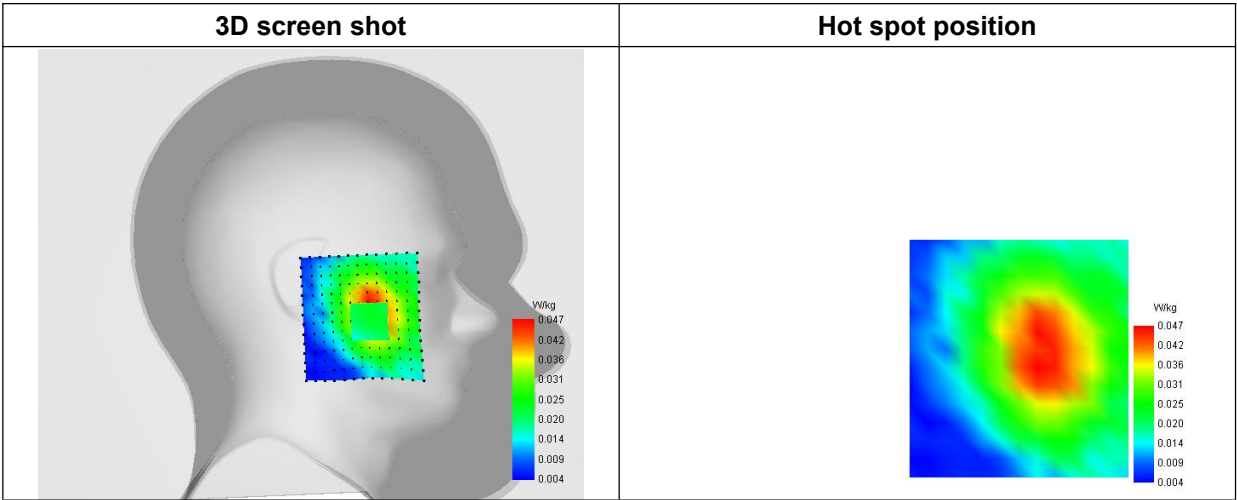
SAR 10g (W/Kg)	0.033661
SAR 1g (W/Kg)	0.042984

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.0738	0.0440	0.0368	0.0330	0.0264



F. 3D Image



MEASUREMENT 14

Type: Measurement (Complete)
Date of measurement: 2024-12-19
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.27; Calibrated: 2024-07-11

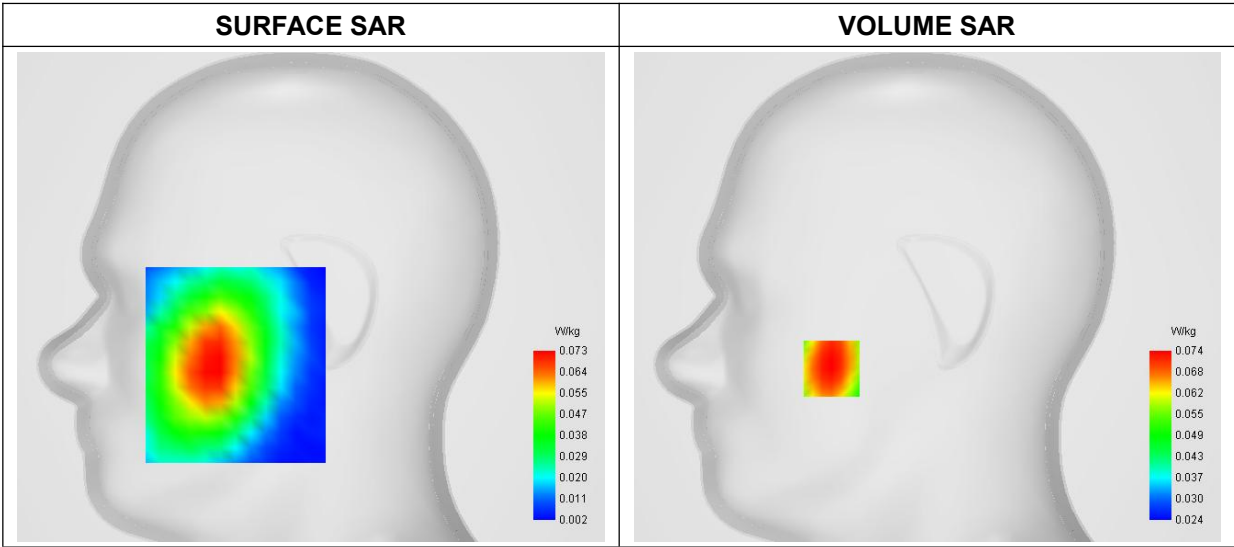
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 17
Channels	QPSK, 10MHz, 1RB, Low
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	709.000000
Relative Permittivity (real part)	41.144366
Conductivity (S/m)	0.872696
Power Variation (%)	-1.055800
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



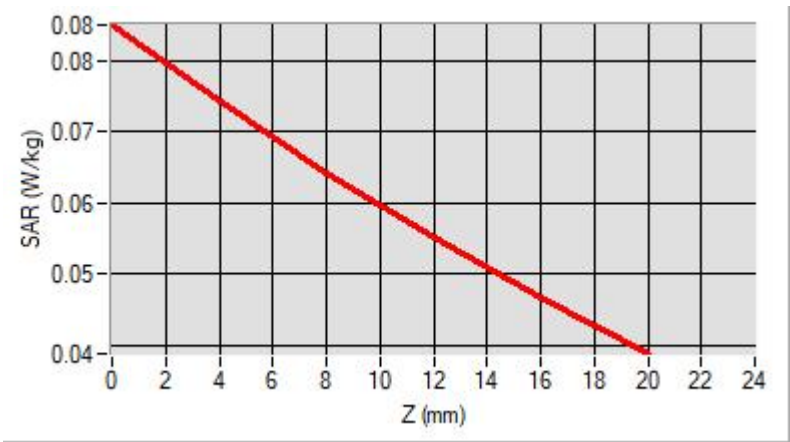
Maximum location: X=-51.00, Y=-38.00

D. SAR 1g & 10g

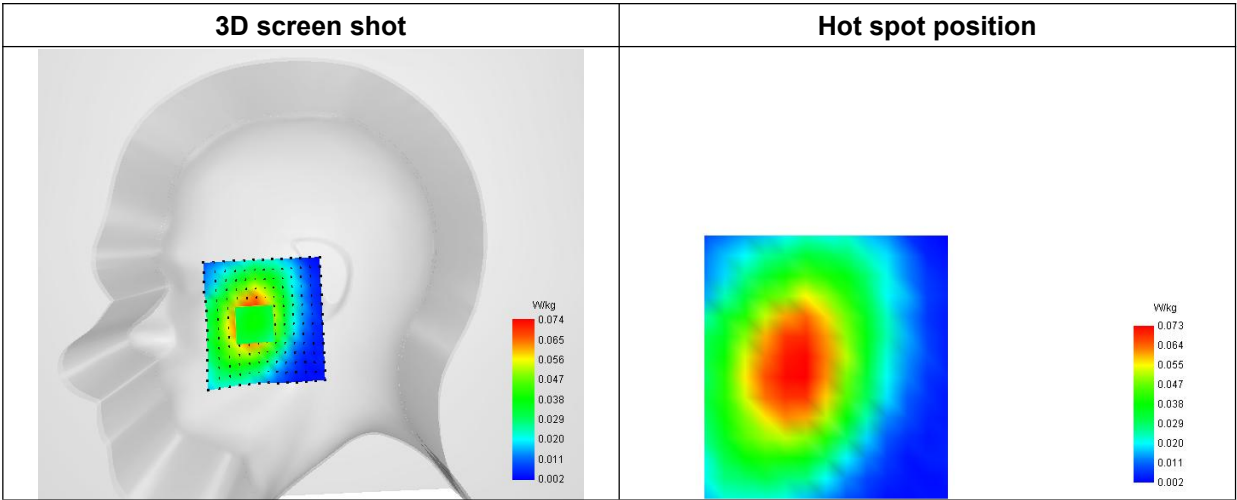
SAR 10g (W/Kg)	0.056725
SAR 1g (W/Kg)	0.073143

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.0850	0.0742	0.0643	0.0551	0.0466



F. 3D Image



MEASUREMENT 15

Type: Measurement (Complete)
Date of measurement: 2024-12-23
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.50; Calibrated: 2024-07-11

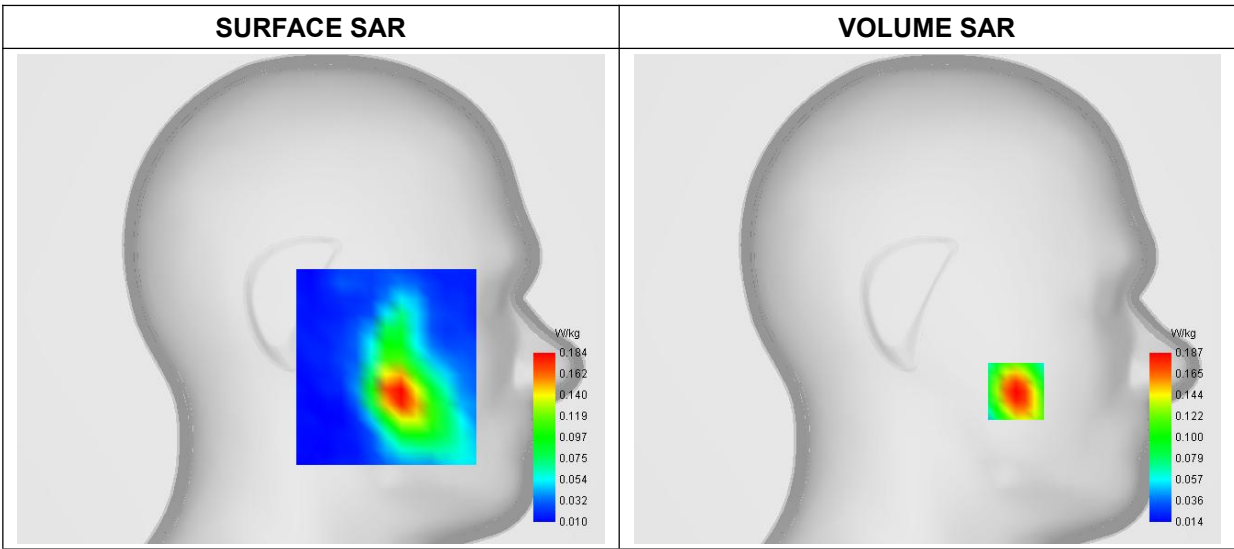
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Left head
Device Position	Cheek
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)	39.642666
Conductivity (S/m)	1.931828
Power Variation (%)	0.116200
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



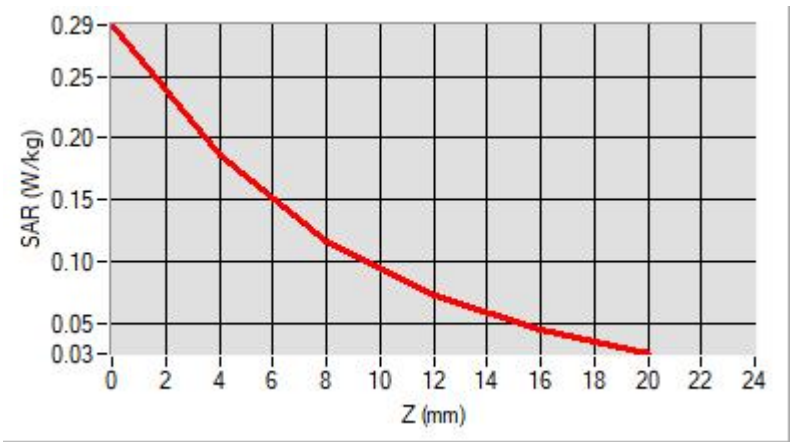
Maximum location: X=-47.00, Y=-49.00

D. SAR 1g & 10g

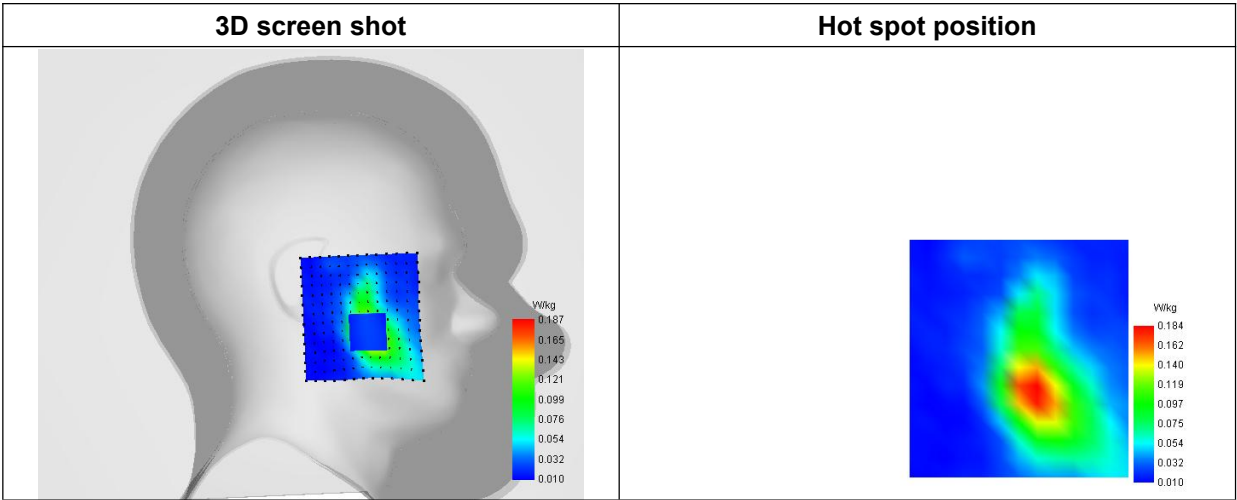
SAR 10g (W/Kg)	0.092470
SAR 1g (W/Kg)	0.171913

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.2913	0.1868	0.1171	0.0726	0.0447



F. 3D Image



MEASUREMENT 16

Type: Measurement (Complete)
Date of measurement: 2024-12-21
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.54; Calibrated: 2024-07-11

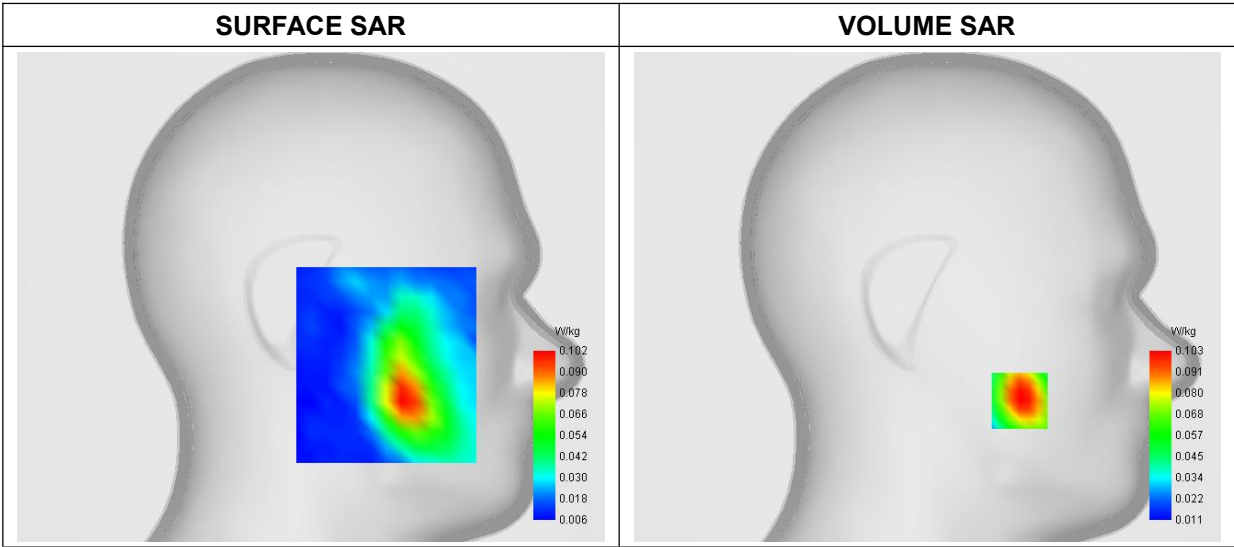
A. Experimental conditions

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

B. SAR Measurement Results

Frequency (MHz)	2310.000000
Relative Permittivity (real part)	40.121327
Conductivity (S/m)	1.693929
Power Variation (%)	0.189900
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



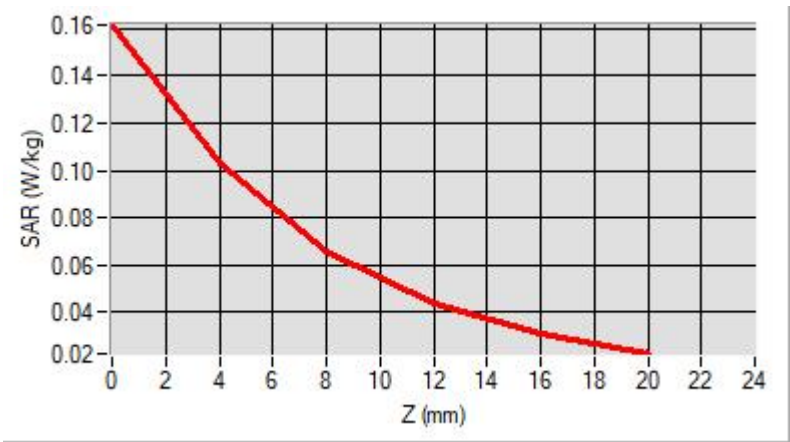
Maximum location: X=-49.00, Y=-55.00

D. SAR 1g & 10g

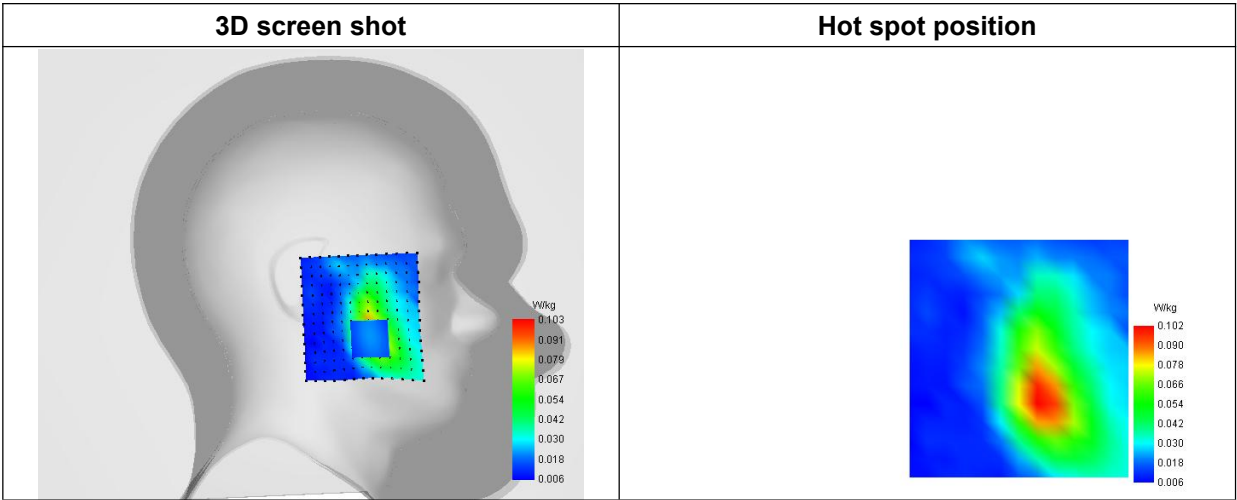
SAR 10g (W/Kg)	0.055879
SAR 1g (W/Kg)	0.097084

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.1616	0.1028	0.0655	0.0434	0.0307



F. 3D Image



MEASUREMENT 17

Type: Measurement (Complete)
Date of measurement: 2024-12-18
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.37; Calibrated: 2024-07-11

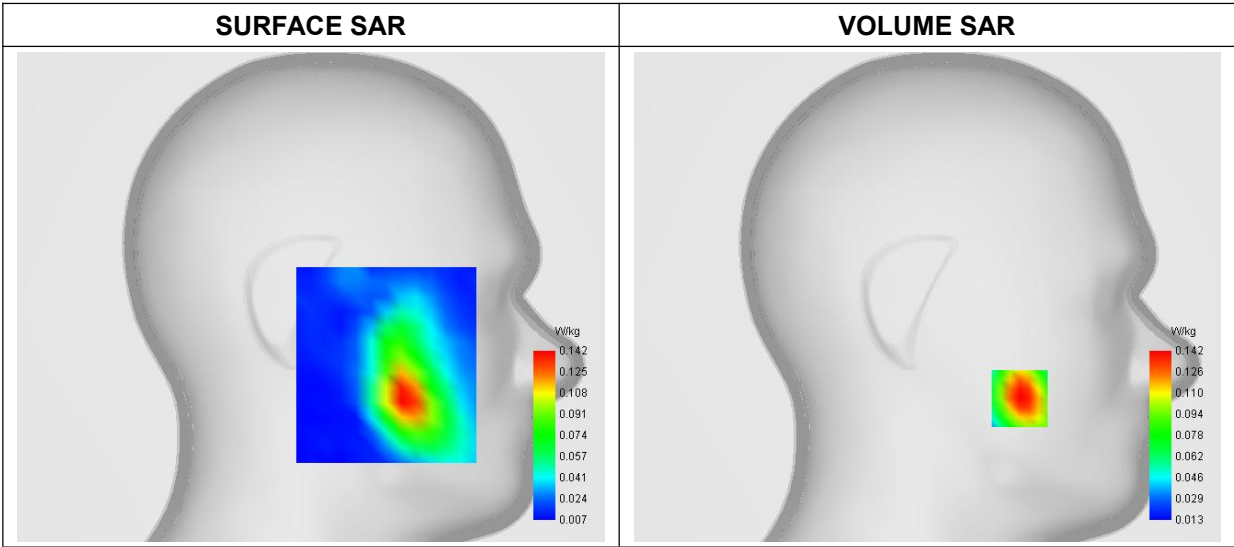
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 40(2350-2360MHz)
Channels	QPSK, 10MHz, 1RB, Middle
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2355.000000
Relative Permittivity (real part)	39.511327
Conductivity (S/m)	1.392872
Power Variation (%)	0.944700
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



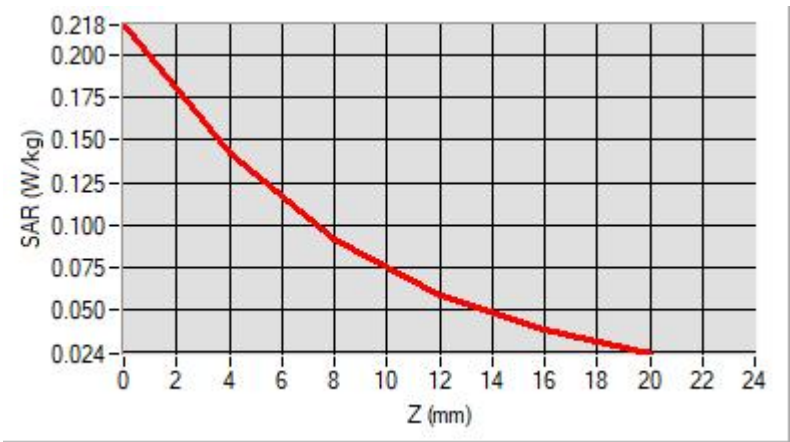
Maximum location: X=-49.00, Y=-54.00

D. SAR 1g & 10g

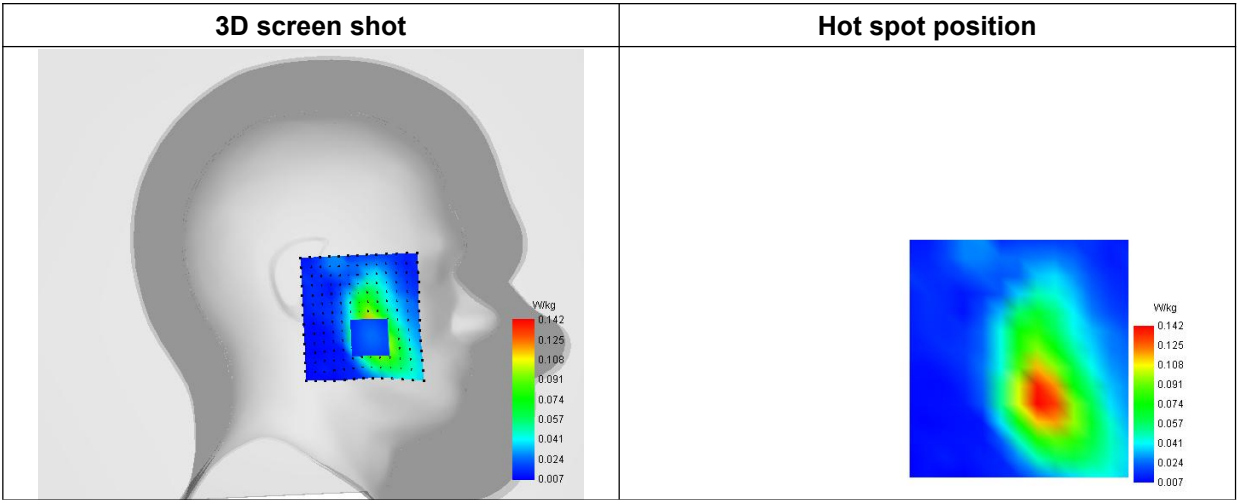
SAR 10g (W/Kg)	0.074081
SAR 1g (W/Kg)	0.132653

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.2177	0.1421	0.0915	0.0590	0.0385



F. 3D Image



MEASUREMENT 18

Type: Measurement (Complete)
Date of measurement: 2024-12-18
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.37; Calibrated: 2024-07-11

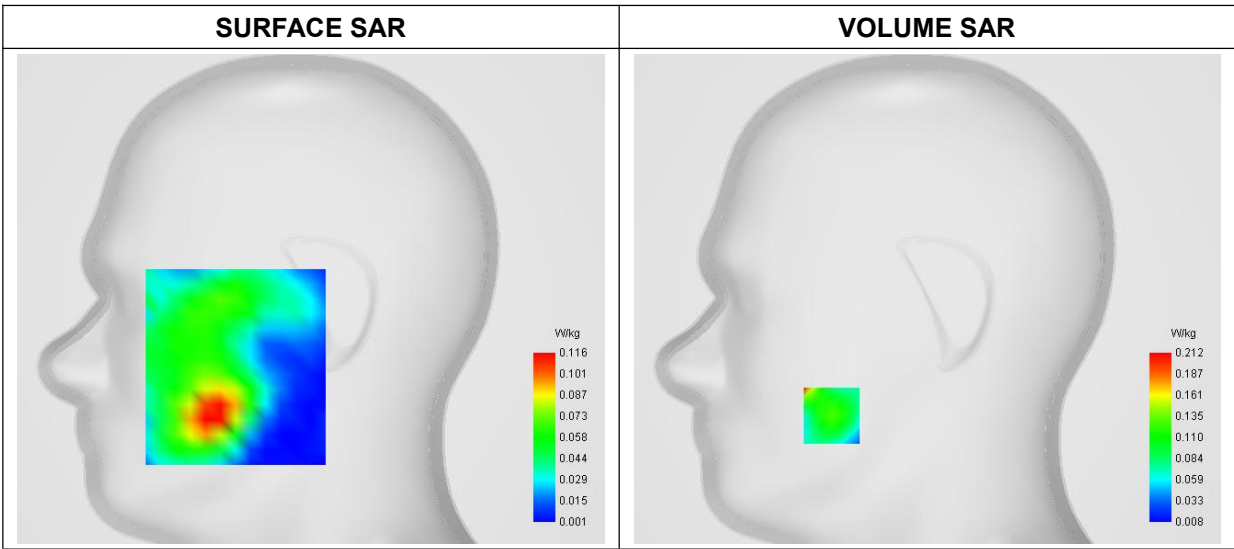
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 66
Channels	QPSK, 20MHz, 1RB, Middle
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	1745.000000
Relative Permittivity (real part)	39.511327
Conductivity (S/m)	1.392872
Power Variation (%)	-1.192800
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



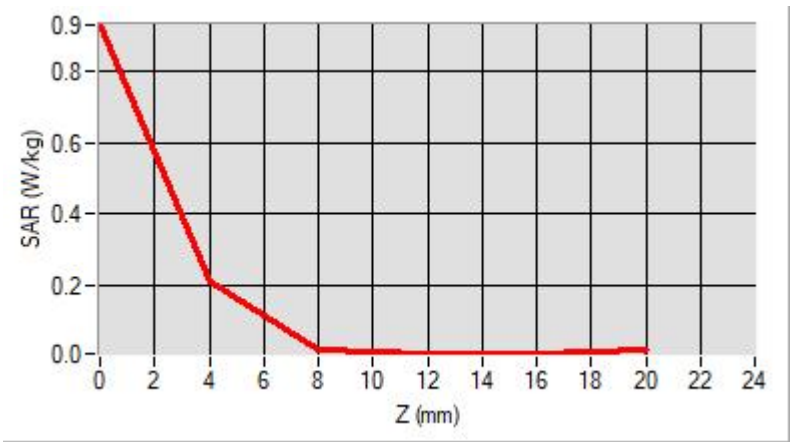
Maximum location: X=-51.00, Y=-62.00

D. SAR 1g & 10g

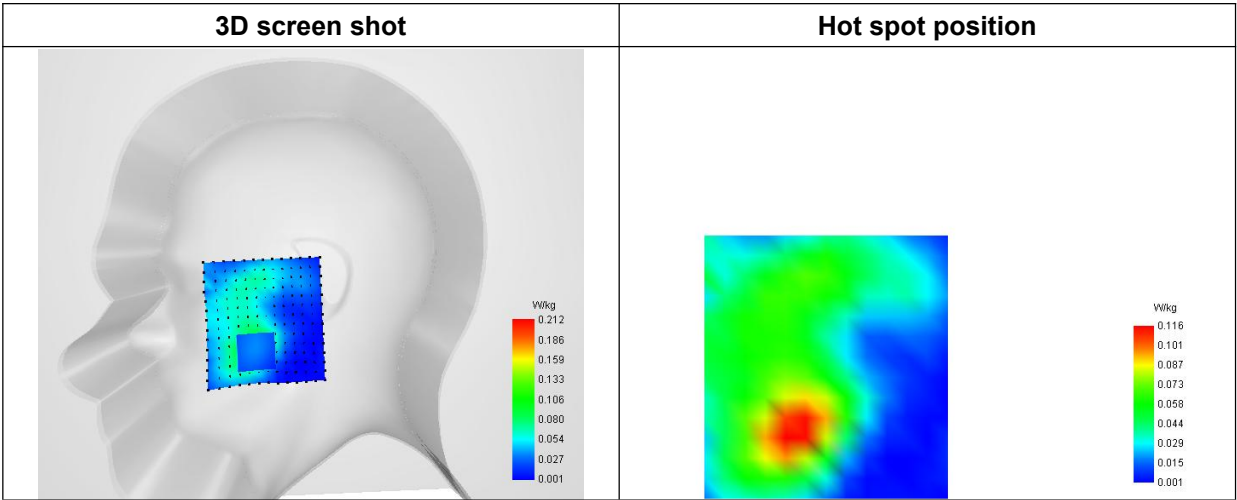
SAR 10g (W/Kg)	0.075208
SAR 1g (W/Kg)	0.149073

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.9283	0.2121	0.0209	0.0107	0.0109



F. 3D Image



MEASUREMENT 19

Type: Measurement (Complete)
Date of measurement: 2024-12-25
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.62; Calibrated: 2024-07-11

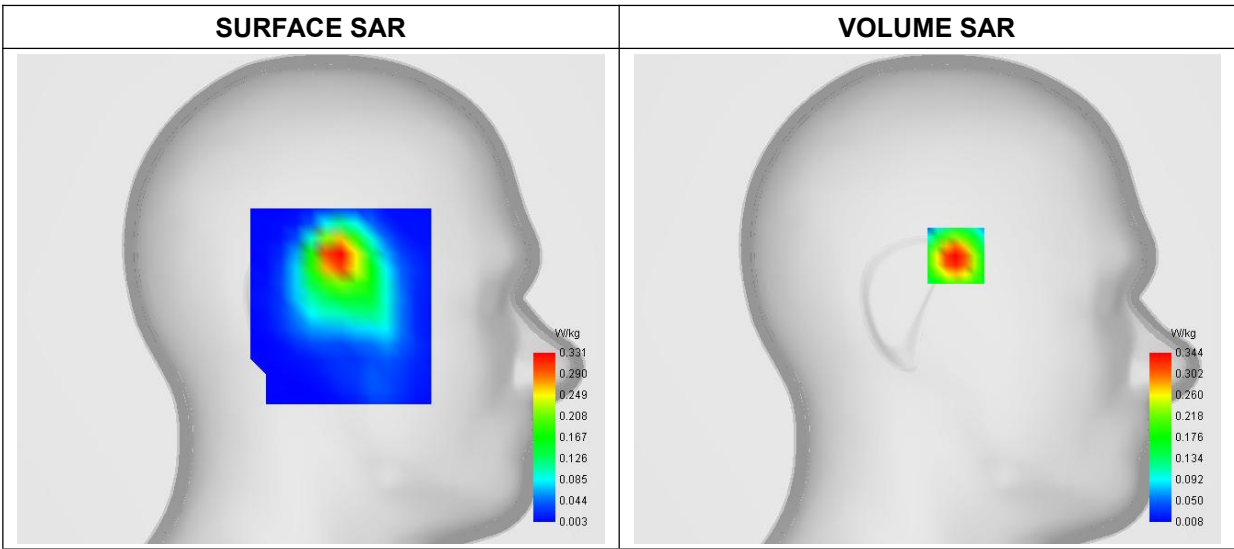
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Left head
Device Position	Cheek
Band	WiFi_802.11b
Channels	Middle
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2437.000000
Relative Permittivity (real part)	38.524231
Conductivity (S/m)	1.783163
Power Variation (%)	-1.963800
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



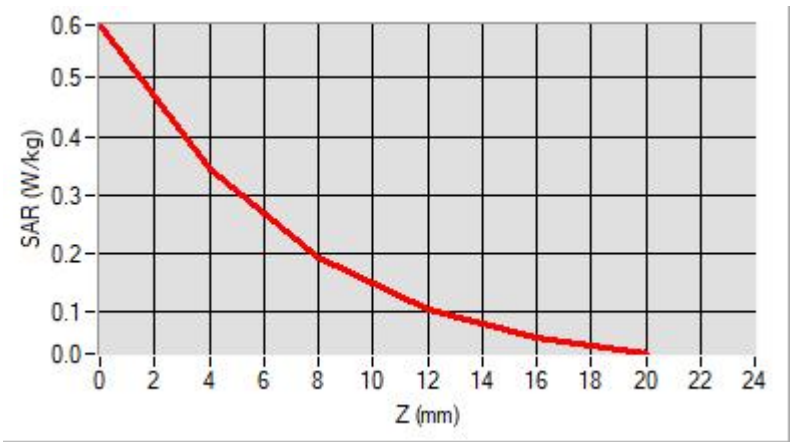
Maximum location: X=-15.00, Y=23.00

D. SAR 1g & 10g

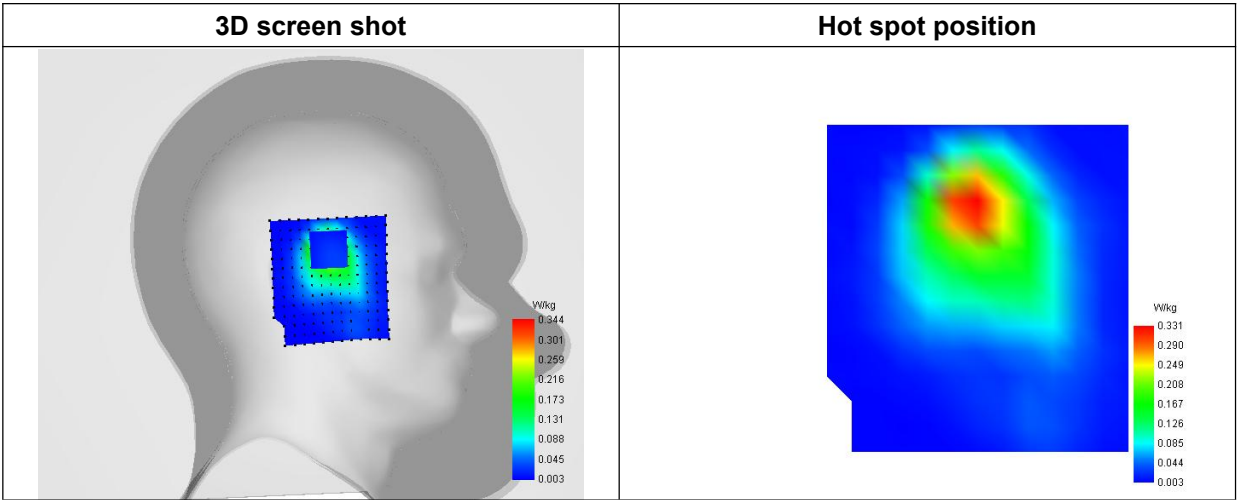
SAR 10g (W/Kg)	0.154429
SAR 1g (W/Kg)	0.315325

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.5904	0.3441	0.1928	0.1058	0.0577



F. 3D Image



MEASUREMENT 20

Type: Measurement (Complete)
Date of measurement: 2024-12-25
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.05; Calibrated: 2024-07-11

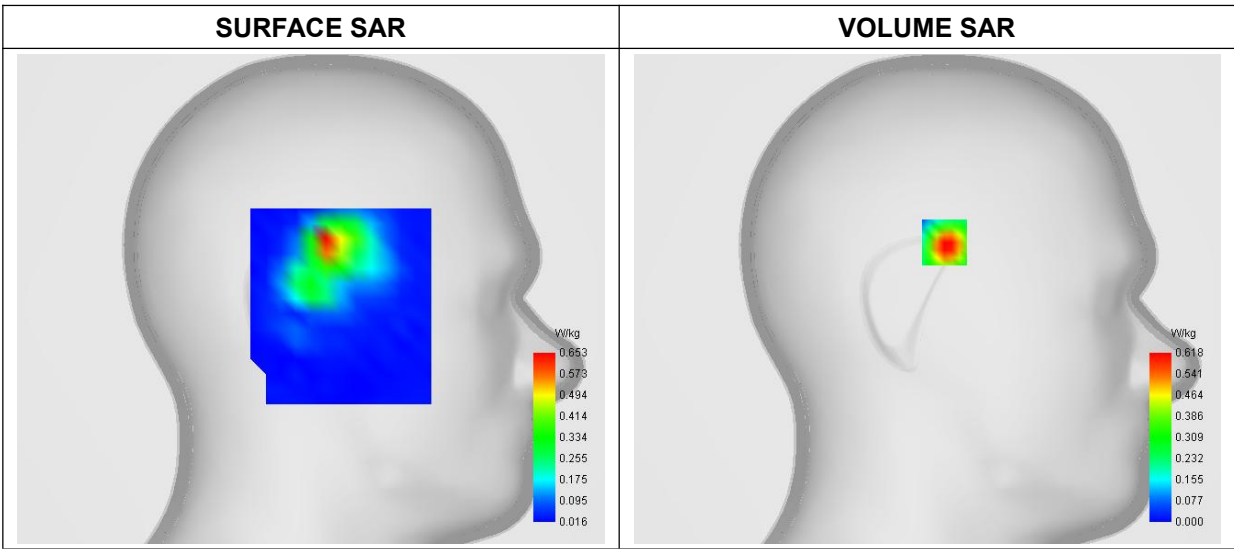
A. Experimental conditions

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

B. SAR Measurement Results

Frequency (MHz)	5240.000000
Relative Permittivity (real part)	36.222386
Conductivity (S/m)	4.646118
Power Variation (%)	-1.156800
Ambient Temperature	22.6
Liquid Temperature	22.6

C. SAR Surface and Volume



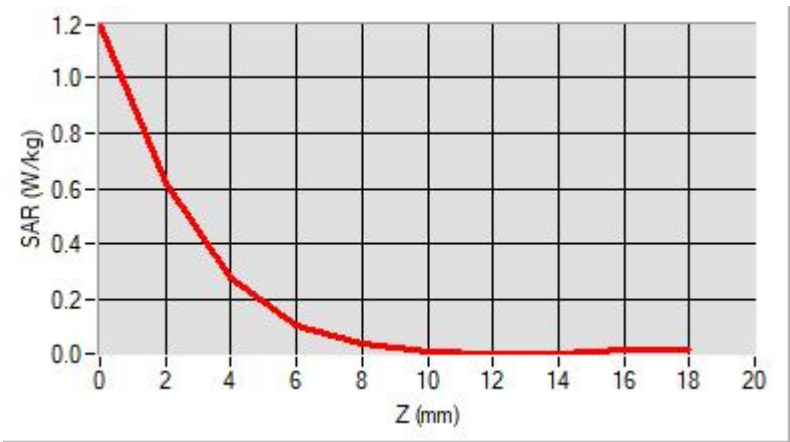
Maximum location: X=-9.00, Y=30.00

D. SAR 1g & 10g

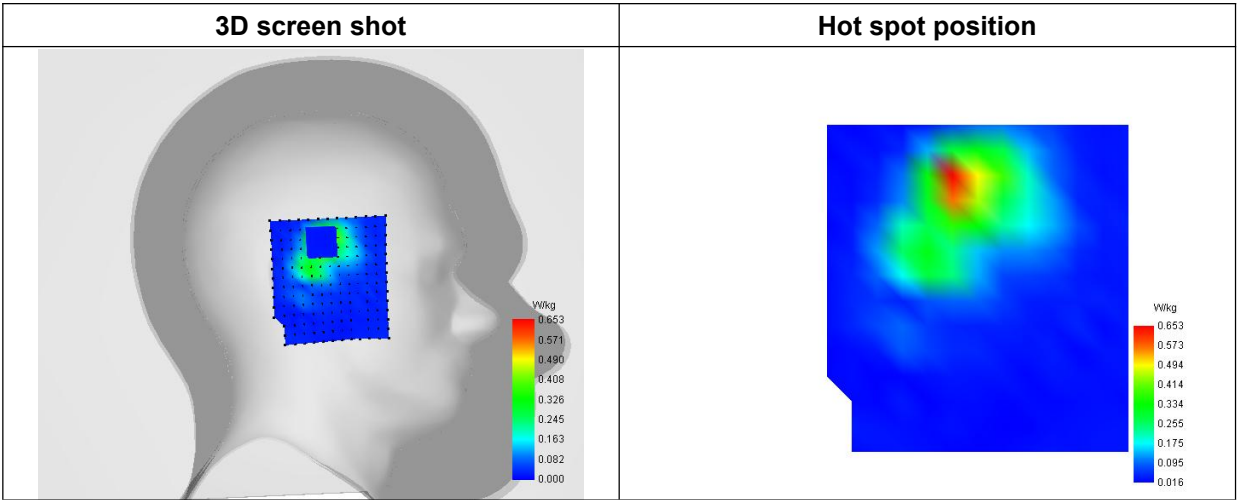
SAR 10g (W/Kg)	0.242821
SAR 1g (W/Kg)	0.673701

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)	1.1887	0.6183	0.2788	0.1093	0.0390	0.0140	0.0068	0.0061	0.0179



F. 3D Image



MEASUREMENT 21

Type: Measurement (Complete)
Date of measurement: 2024-12-25
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.05; Calibrated: 2024-07-11

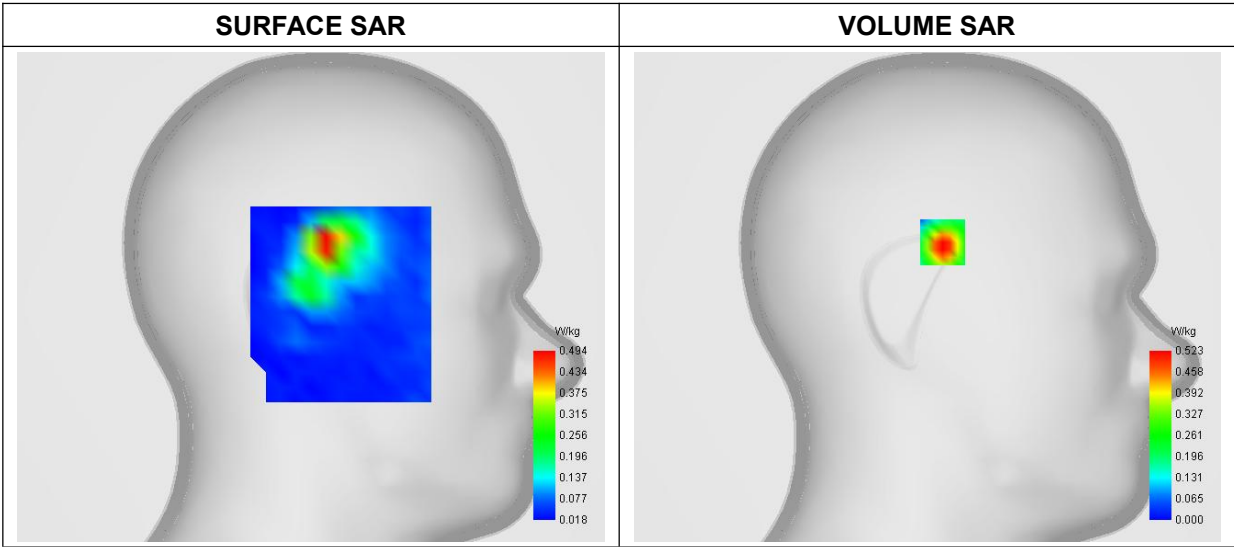
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Left Head
Device Position	Cheek
Band	WiFi(5.3GHz)_802.11a
Channels	Middle
Signal	Duty Cycle: 1:1

B. SAR Measurement Results

Frequency (MHz)	5280.000000
Relative Permittivity (real part)	36.222839
Conductivity (S/m)	4.644192
Power Variation (%)	0.466800
Ambient Temperature	22.6
Liquid Temperature	22.6

C. SAR Surface and Volume



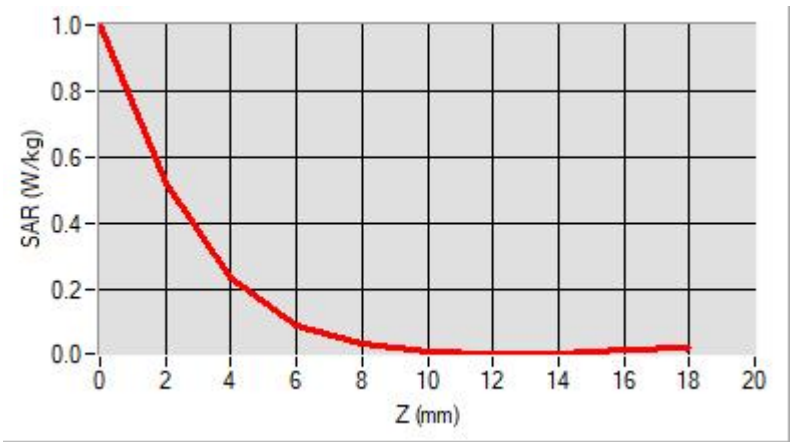
Maximum location: X=-8.00, Y=29.00

D. SAR 1g & 10g

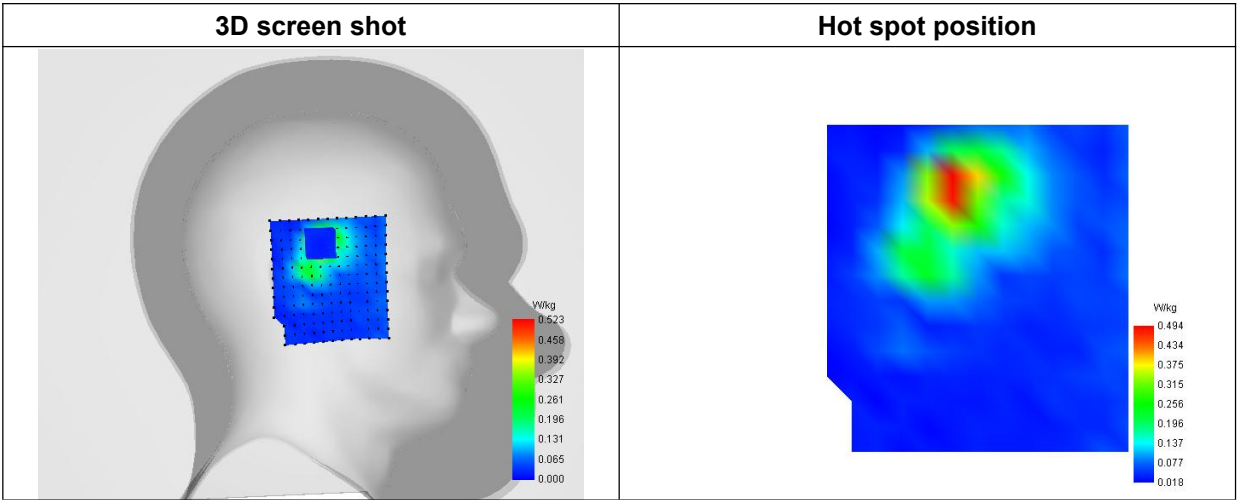
SAR 10g (W/Kg)	0.202777
SAR 1g (W/Kg)	0.559627

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)	1.0025	0.5229	0.2378	0.0950	0.0354	0.0139	0.0075	0.0073	0.0176



F. 3D Image



MEASUREMENT 22

Type: Measurement (Complete)
Date of measurement: 2024-12-24
Measurement duration: 12 minutes 21 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 0.97; Calibrated: 2024-07-11

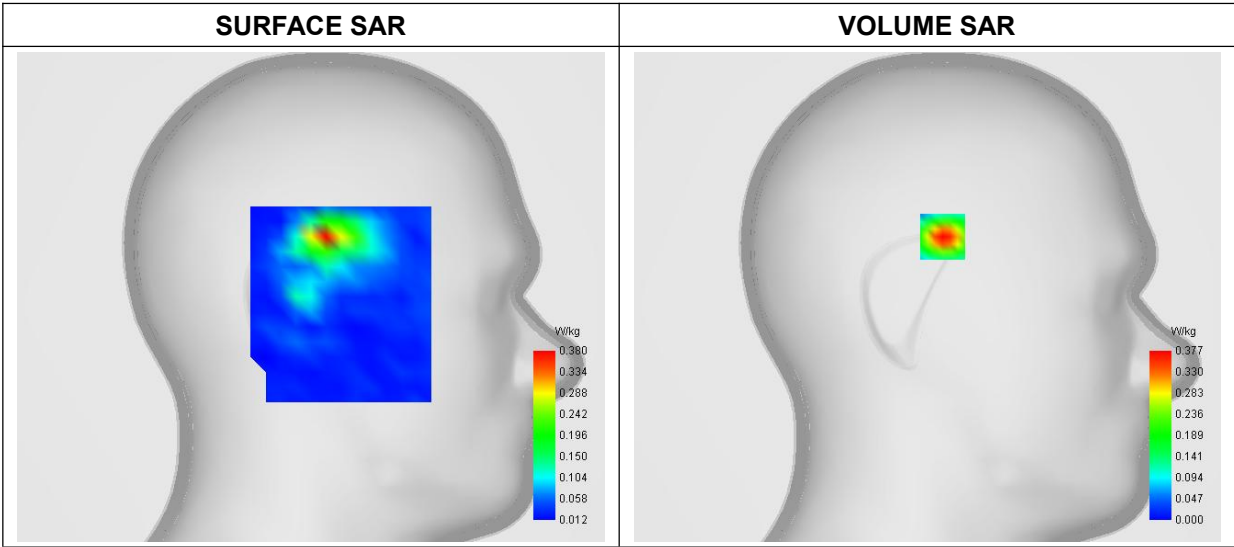
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Left Head
Device Position	Cheek
Band	WiFi(5.8GHz)_ 802.11a
Channels	High
Signal	Duty Cycle: 1:1

B. SAR Measurement Results

Frequency (MHz)	5825.000000
Relative Permittivity (real part)	36.744227
Conductivity (S/m)	5.283836
Power Variation (%)	-1.296800
Ambient Temperature	22.6
Liquid Temperature	22.6

C. SAR Surface and Volume



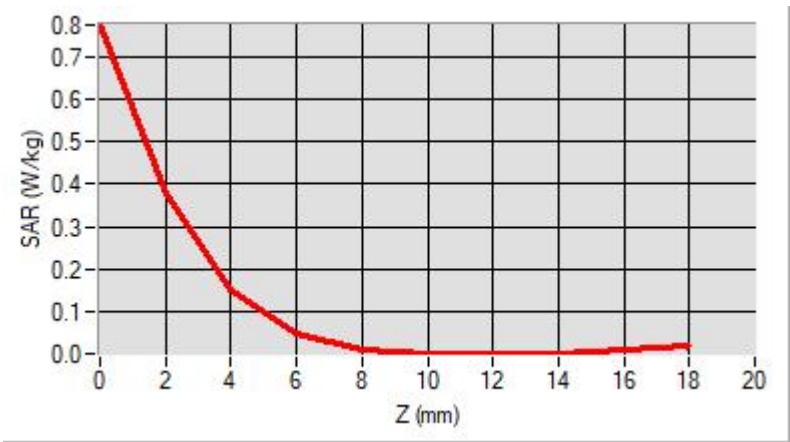
Maximum location: X=-8.00, Y=32.00

D. SAR 1g & 10g

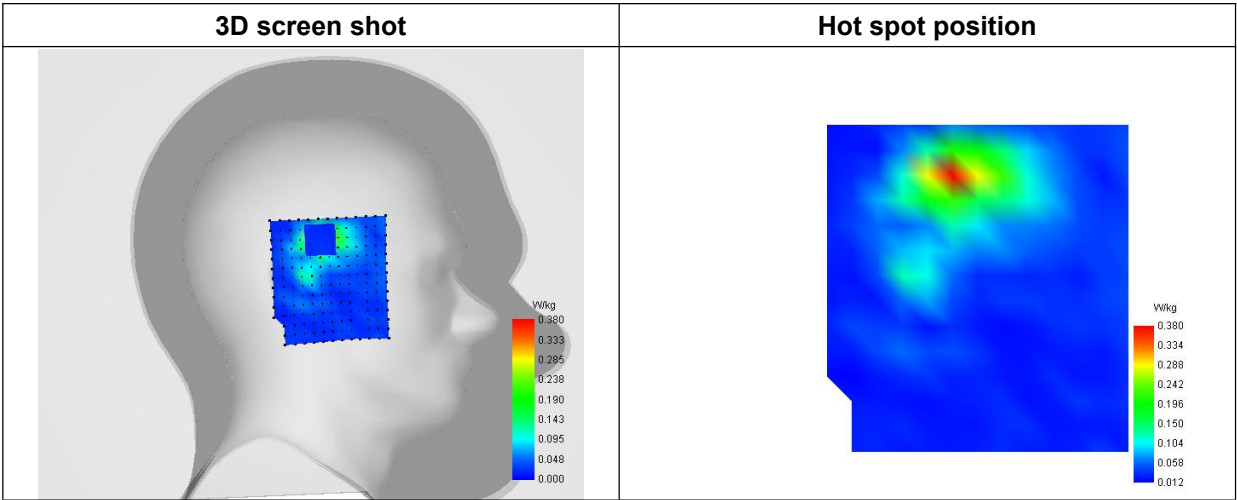
SAR 10g (W/Kg)	0.143921
SAR 1g (W/Kg)	0.414998

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)	0.7733	0.3770	0.1510	0.0491	0.0135	0.0039	0.0025	0.0046	0.0102



F. 3D Image



MEASUREMENT 23

Type: Measurement (Complete)
Date of measurement: 2024-12-20
Measurement duration: 11 minutes 48 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.28; Calibrated: 2024-07-11

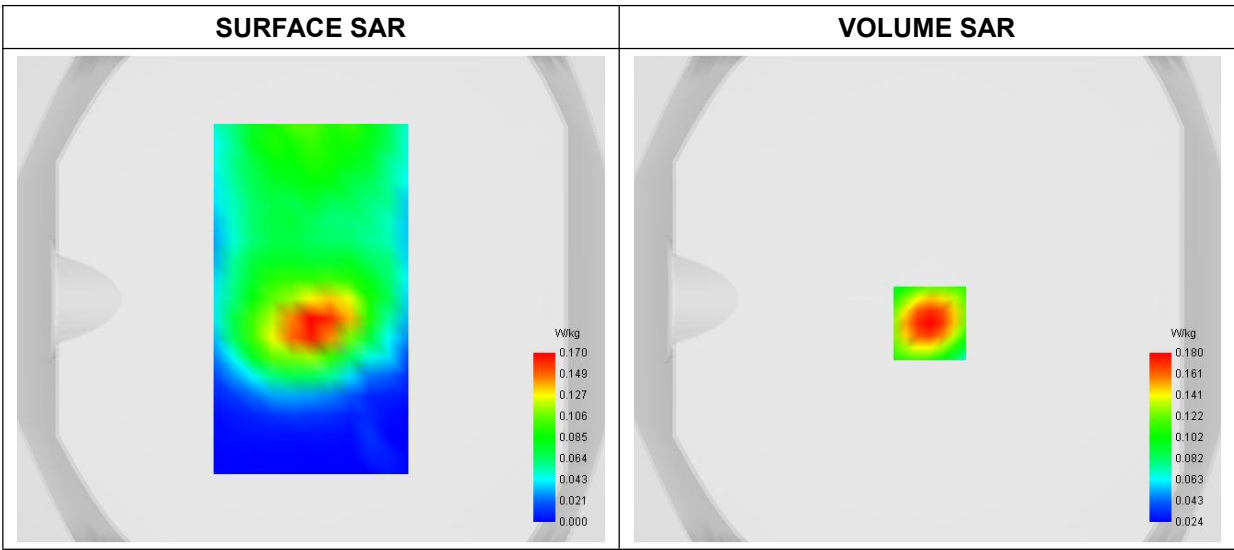
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	GSM850
Channels	Low
Signal	TDMA (Crest factor: 8.0)

B. SAR Measurement Results

Frequency (MHz)	824.200000
Relative Permittivity (real part)	40.832245
Conductivity (S/m)	0.891245
Power Variation (%)	0.721472
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



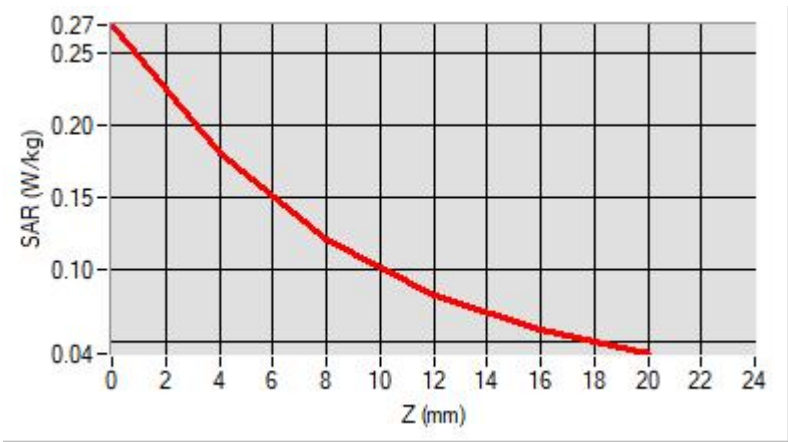
Maximum location: X=1.00, Y=-10.00

D. SAR 1g & 10g

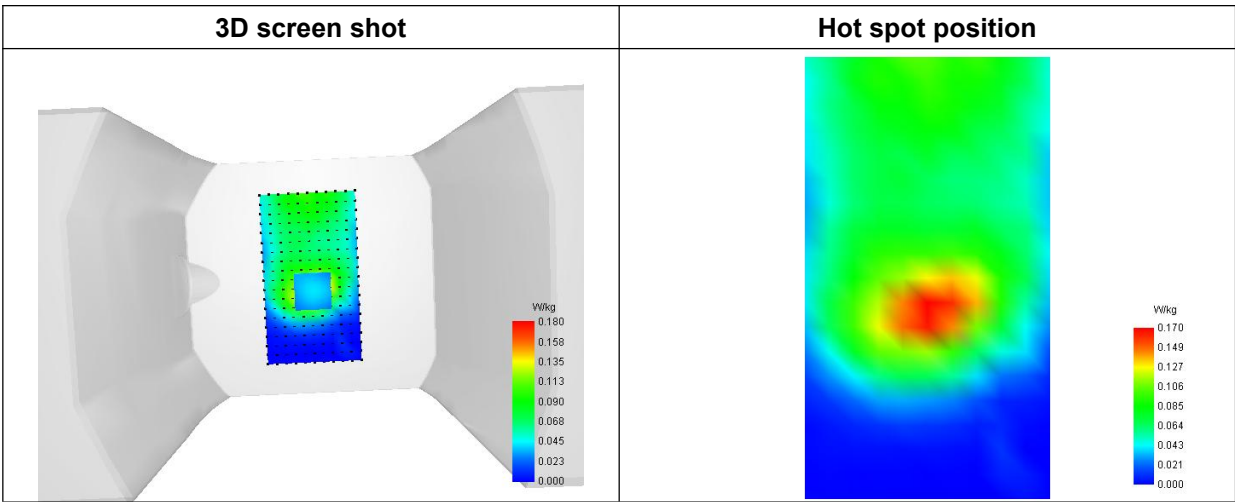
SAR 10g (W/Kg)	0.100258
SAR 1g (W/Kg)	0.166910

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.2693	0.1805	0.1209	0.0830	0.0591



F. 3D Image



MEASUREMENT 24

Type: Measurement (Complete)
Date of measurement: 2024-12-18
Measurement duration: 11 minutes 48 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.37; Calibrated: 2024-07-11

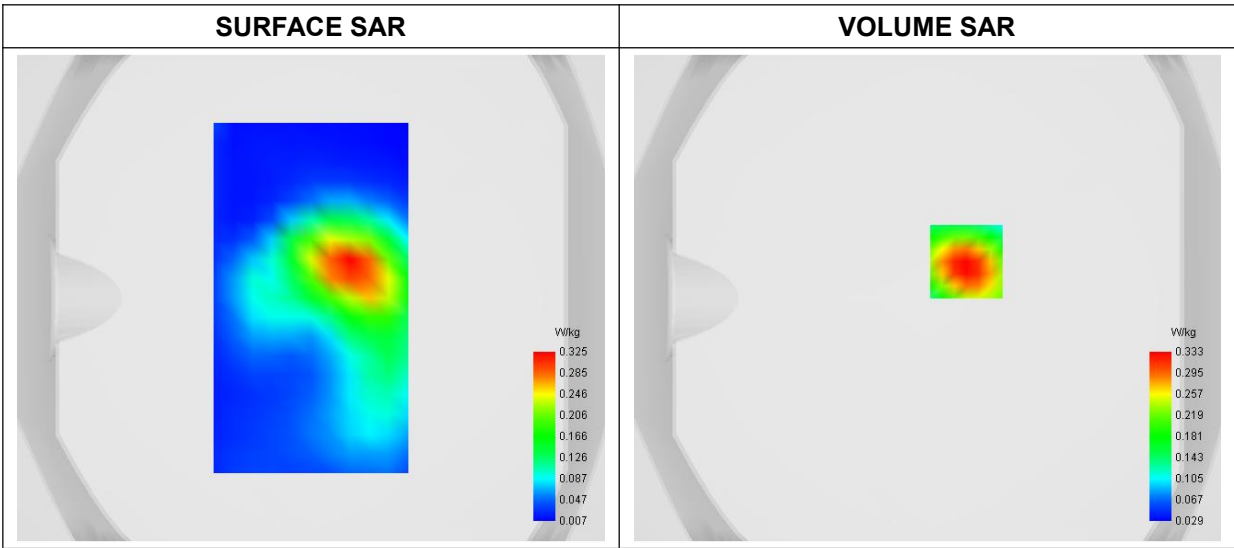
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	GSM1900
Channels	Low
Signal	TDMA (Crest factor: 8.0)

B. SAR Measurement Results

Frequency (MHz)	1850.200000
Relative Permittivity (real part)	39.512245
Conductivity (S/m)	1.392815
Power Variation (%)	-1.174100
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



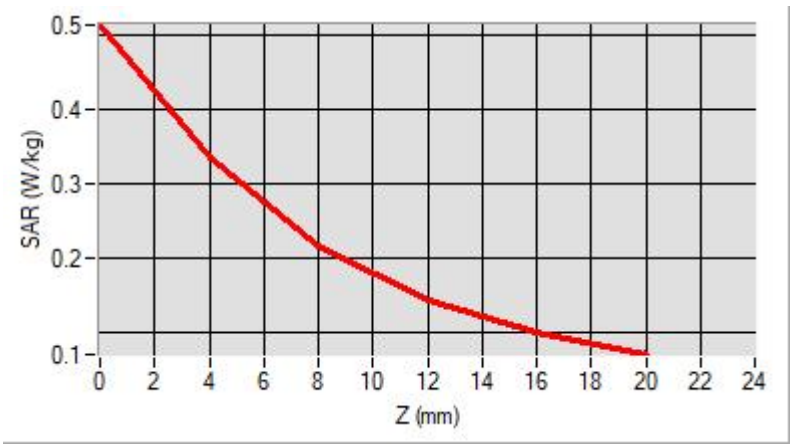
Maximum location: X=16.00, Y=15.00

D. SAR 1g & 10g

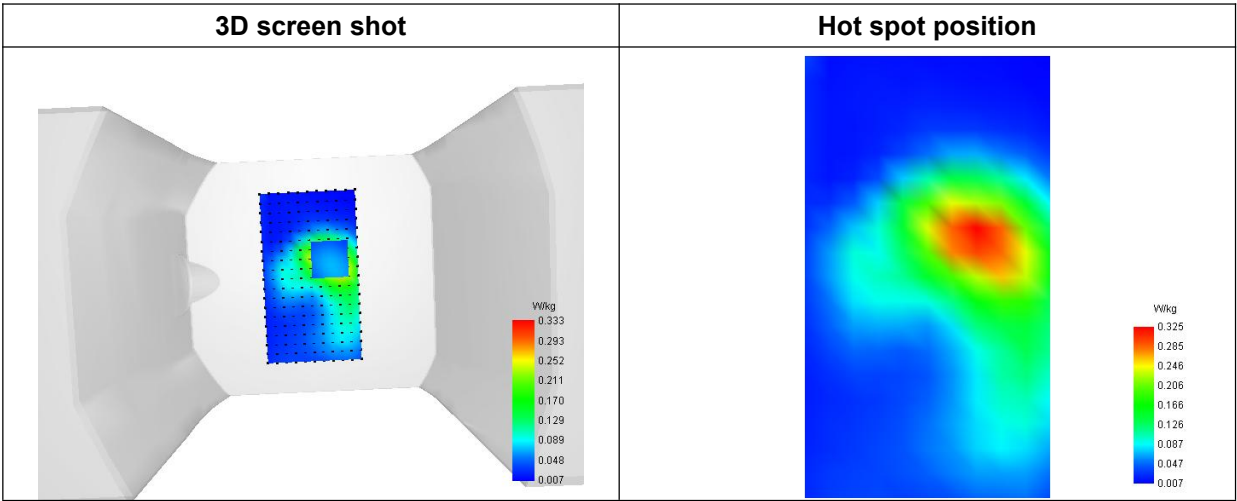
SAR 10g (W/Kg)	0.182086
SAR 1g (W/Kg)	0.312613

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.5123	0.3333	0.2161	0.1435	0.0994



F. 3D Image



MEASUREMENT 25

Type: Measurement (Complete)
Date of measurement: 2024-12-17
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.50; Calibrated: 2024-07-11

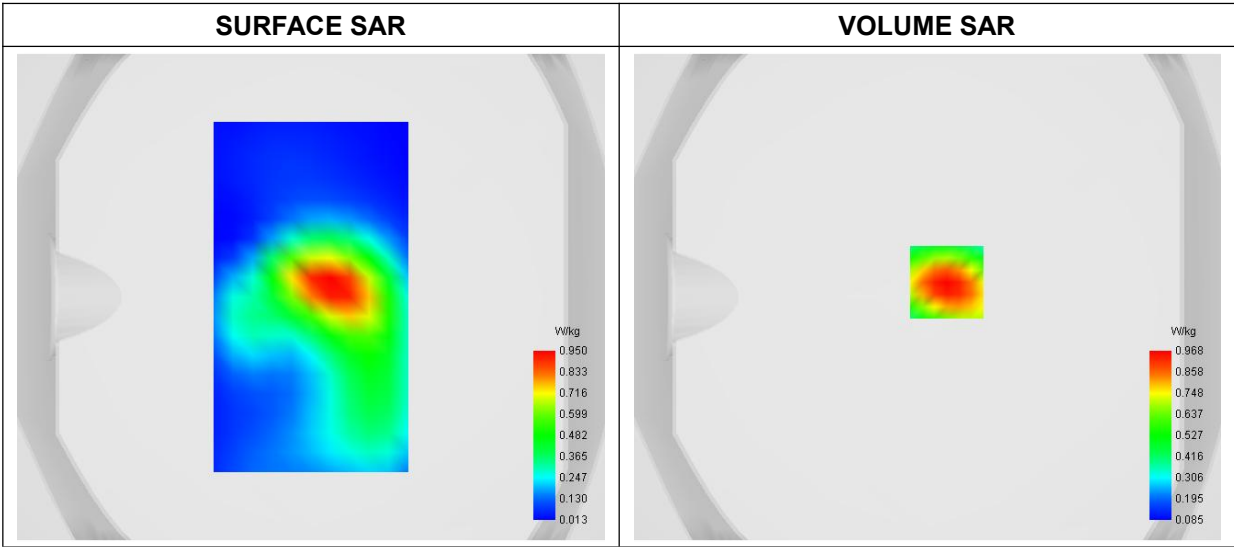
A. Experimental conditions

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)	39.111248
Conductivity (S/m)	1.413607
Power Variation (%)	-0.477500
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



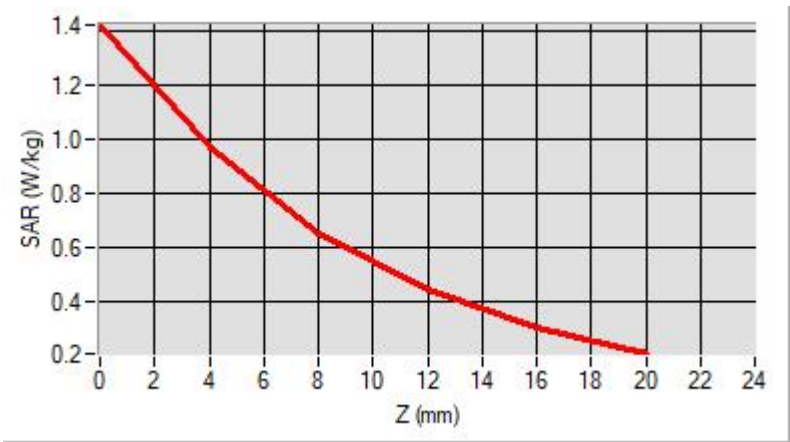
Maximum location: X=8.00, Y=6.00

D. SAR 1g & 10g

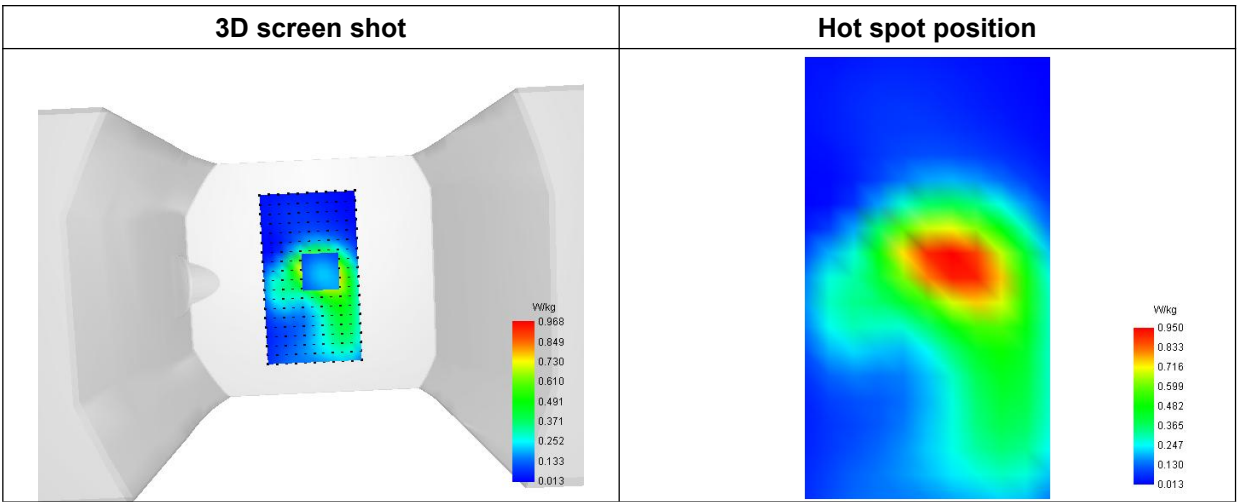
SAR 10g (W/Kg)	0.532650
SAR 1g (W/Kg)	0.903042

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.4236	0.9685	0.6542	0.4454	0.3081



F. 3D Image



MEASUREMENT 26

Type: Measurement (Complete)
Date of measurement: 2024-12-18
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.37; Calibrated: 2024-07-11

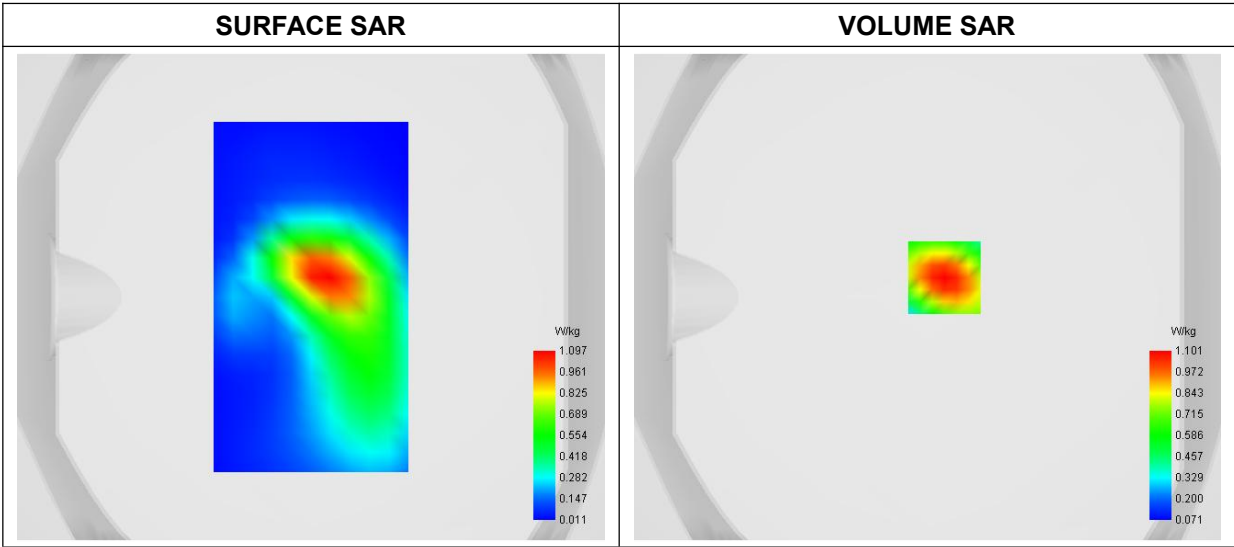
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	WCDMA1700_RMC
Channels	High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	1752.600000
Relative Permittivity (real part)	39.514751
Conductivity (S/m)	1.393671
Power Variation (%)	0.542300
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



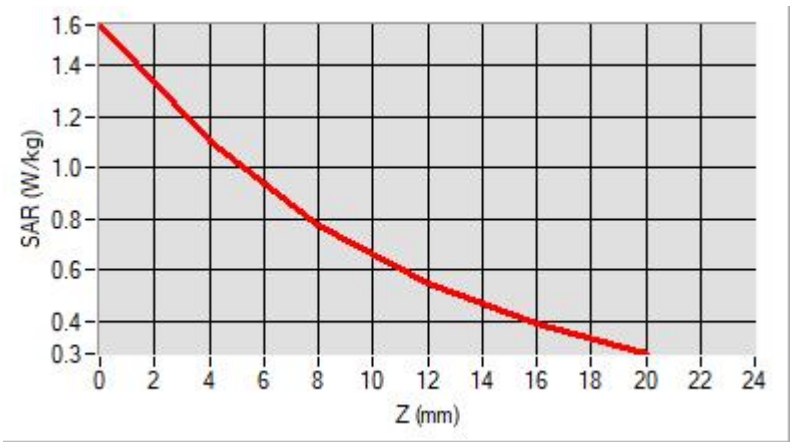
Maximum location: X=7.00, Y=8.00

D. SAR 1g & 10g

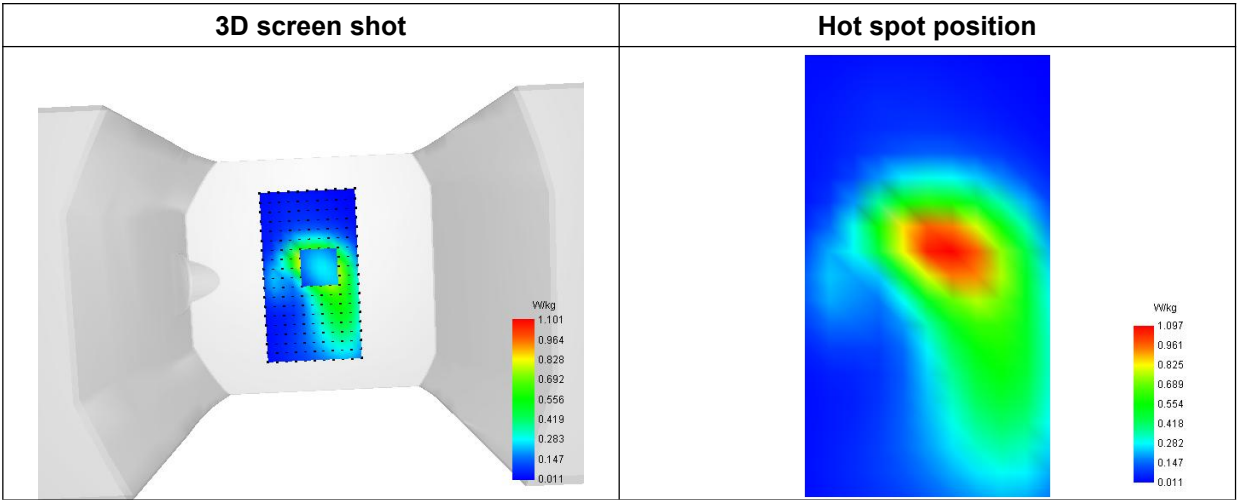
SAR 10g (W/Kg)	0.617201
SAR 1g (W/Kg)	1.020386

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.5571	1.1006	0.7735	0.5465	0.3895



F. 3D Image



MEASUREMENT 27/47

Type: Measurement (Complete)
Date of measurement: 2024-12-20
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.28; Calibrated: 2024-07-11

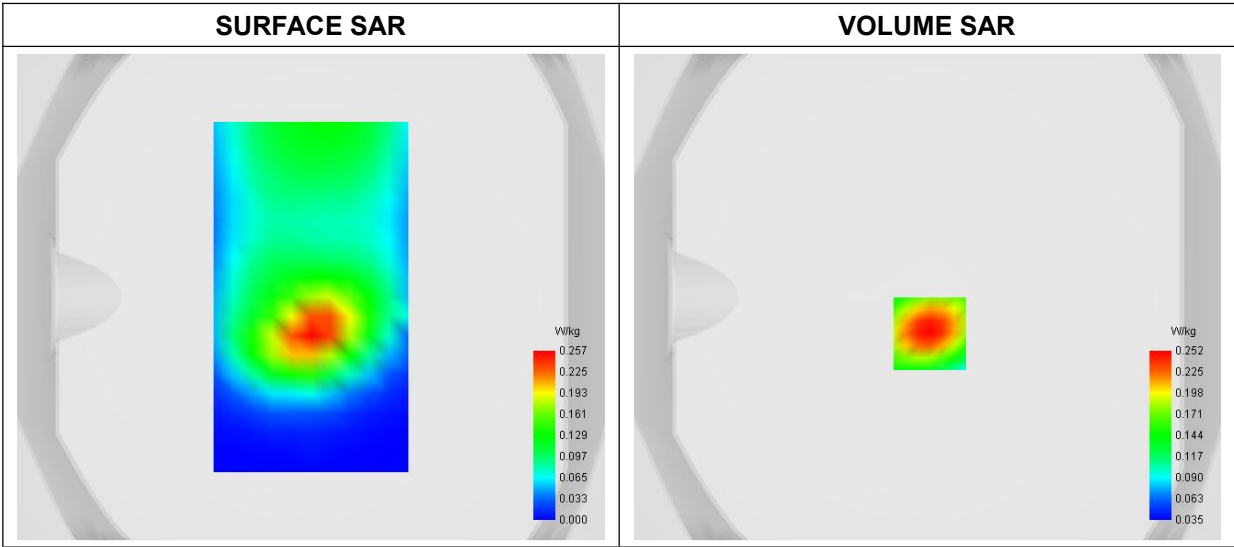
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	WCDMA850_RMC
Channels	Low
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	826.400000
Relative Permittivity (real part)	40.832458
Conductivity (S/m)	0.891459
Power Variation (%)	-1.239800
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



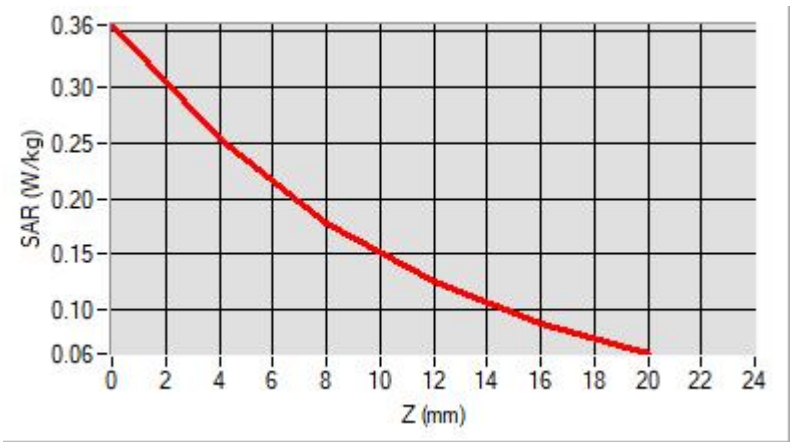
Maximum location: X=1.00, Y=-15.00

D. SAR 1g & 10g

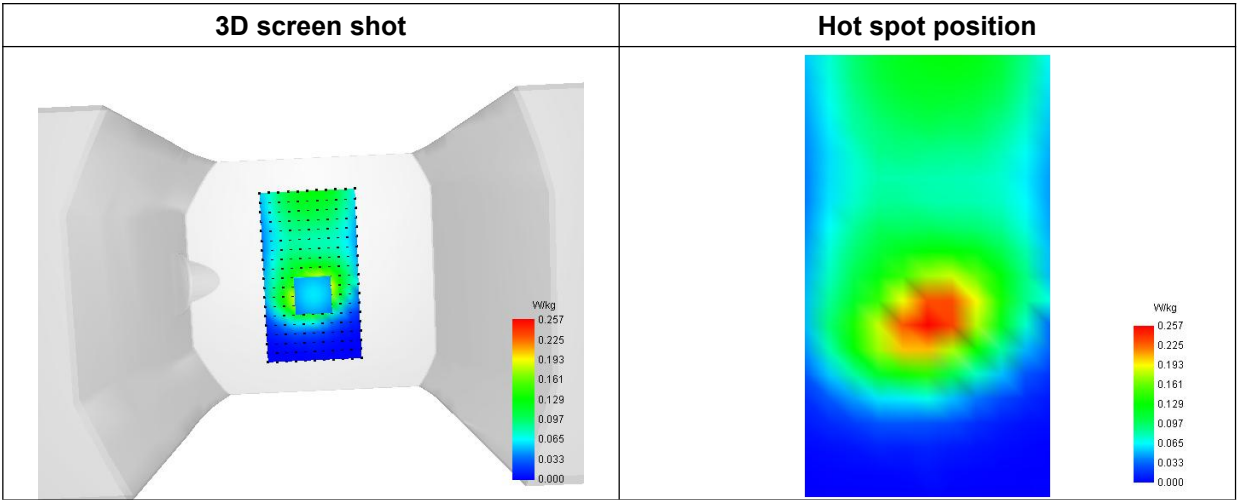
SAR 10g (W/Kg)	0.143095
SAR 1g (W/Kg)	0.235790

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.3552	0.2522	0.1777	0.1253	0.0886



F. 3D Image



MEASUREMENT 28

Type: Measurement (Complete)
Date of measurement: 2024-12-17
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.37; Calibrated: 2024-07-11

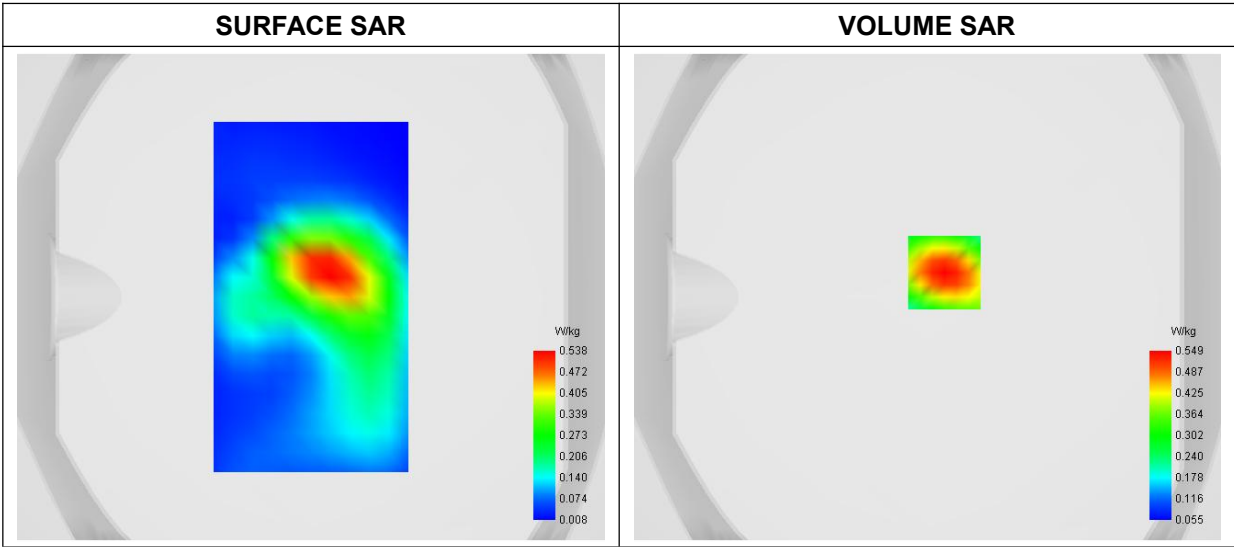
A. Experimental conditions

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	16QAM, 20MHz, 1RB, Middle
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative Permittivity (real part)	39.111146
Conductivity (S/m)	1.413923
Power Variation (%)	-0.194700
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



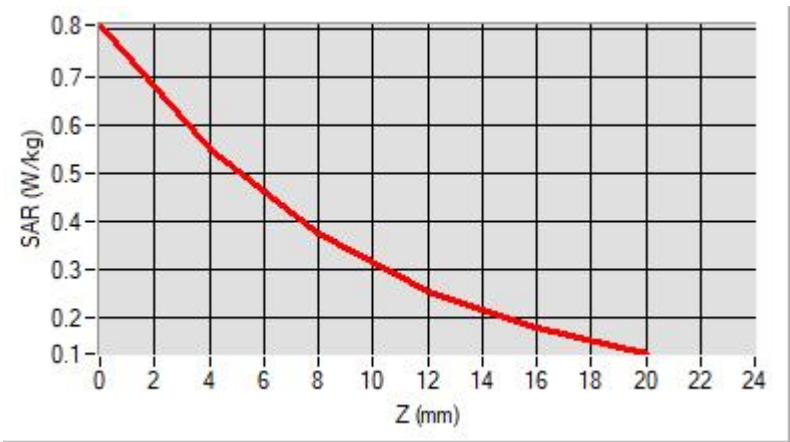
Maximum location: X=7.00, Y=10.00

D. SAR 1g & 10g

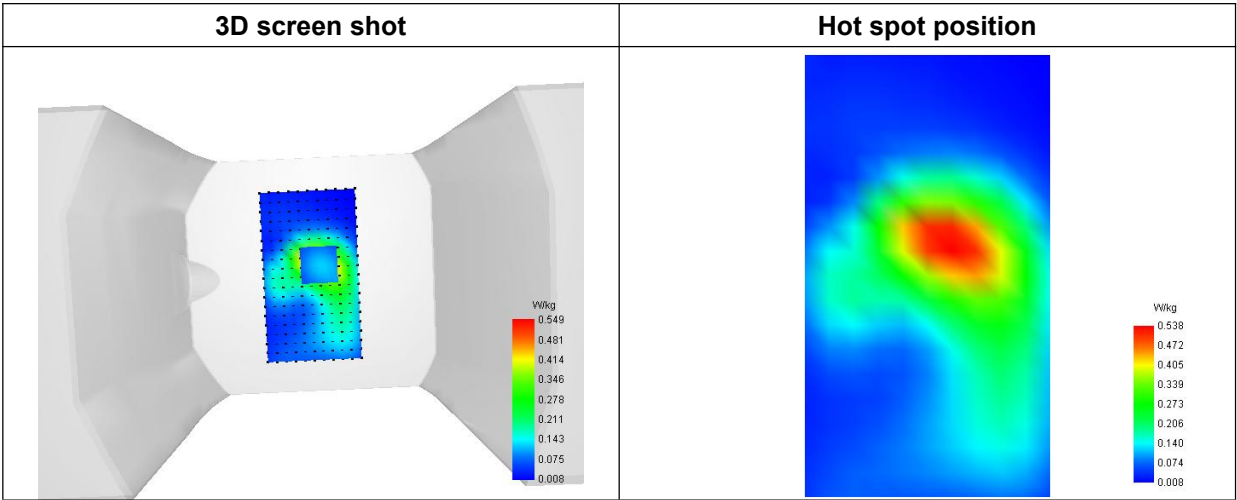
SAR 10g (W/Kg)	0.302902
SAR 1g (W/Kg)	0.510803

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.8069	0.5491	0.3721	0.2554	0.1792



F. 3D Image



MEASUREMENT 29

Type: Measurement (Complete)
Date of measurement: 2024-12-18
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.37; Calibrated: 2024-07-11

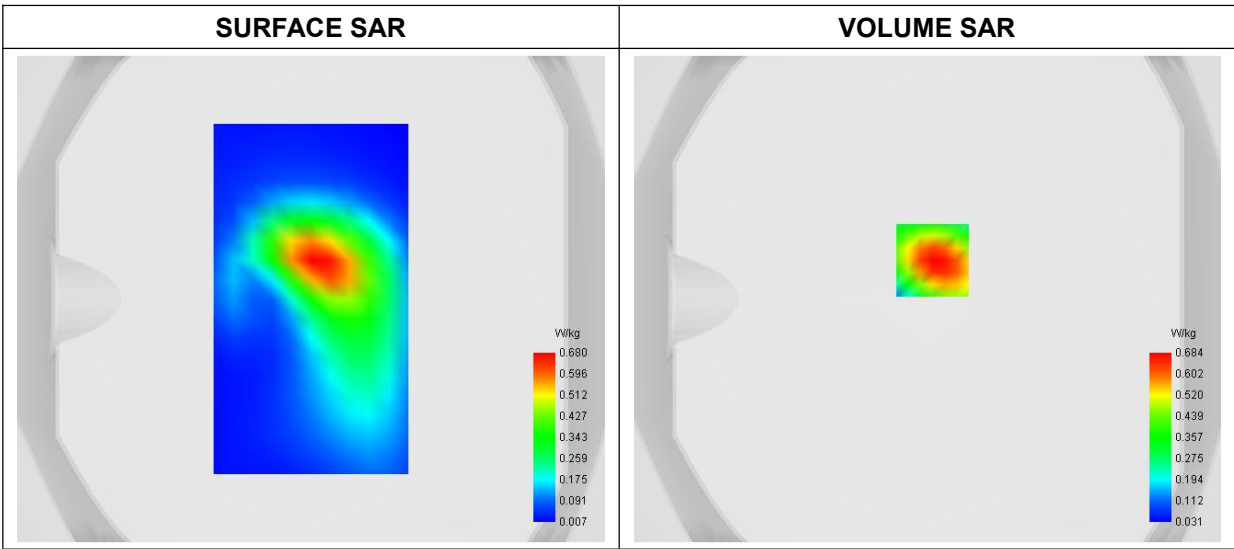
A. Experimental conditions

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

B. SAR Measurement Results

Frequency (MHz)	1745.000000
Relative Permittivity (real part)	39.511327
Conductivity (S/m)	1.392872
Power Variation (%)	-0.866400
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



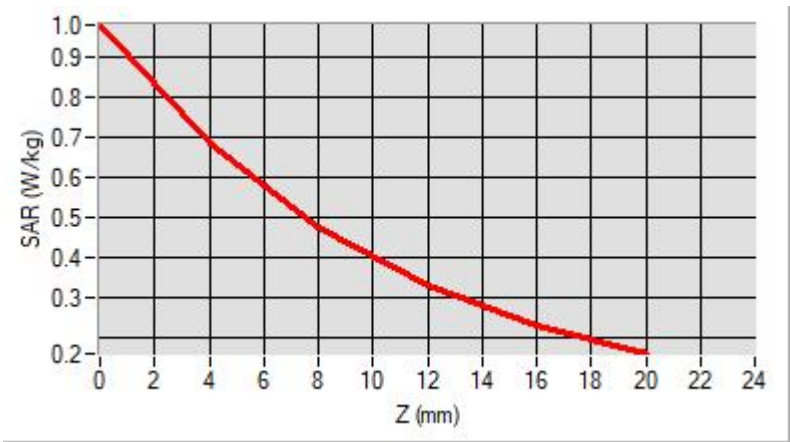
Maximum location: X=2.00, Y=16.00

D. SAR 1g & 10g

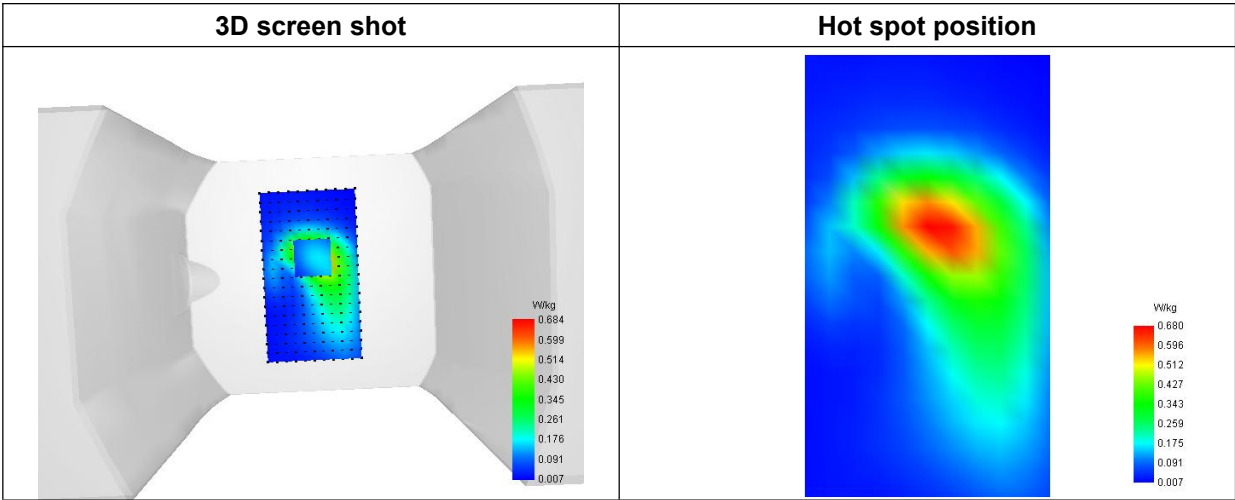
SAR 10g (W/Kg)	0.379772
SAR 1g (W/Kg)	0.637697

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.9795	0.6837	0.4743	0.3312	0.2340



F. 3D Image



MEASUREMENT 30/50

Type: Measurement (Complete)
Date of measurement: 2024-12-20
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.28; Calibrated: 2024-07-11

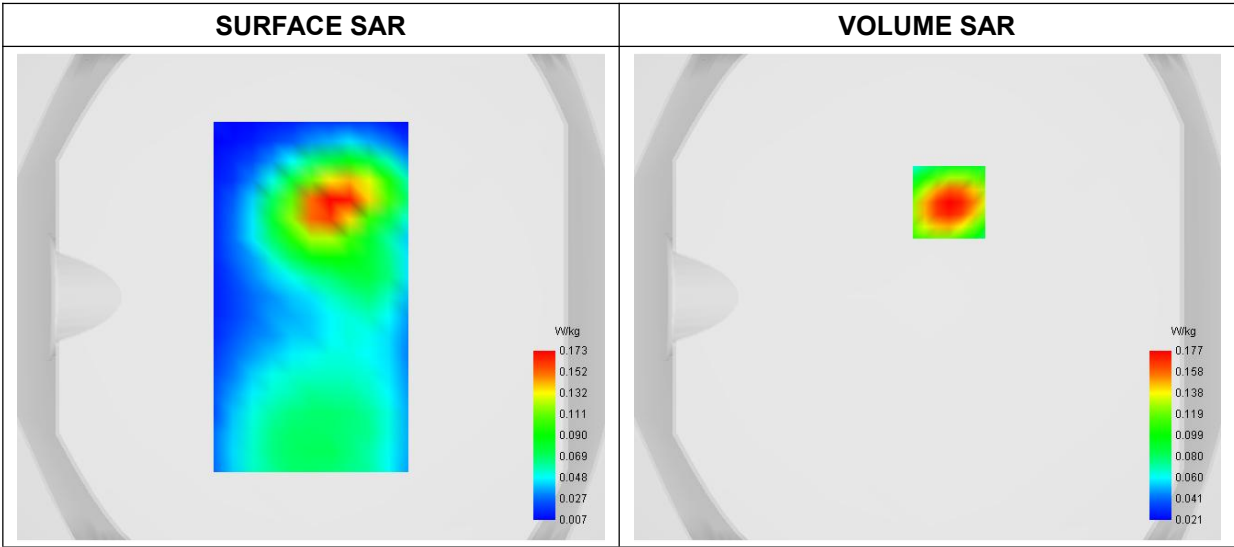
A. Experimental conditions

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

B. SAR Measurement Results

Frequency (MHz)	829.000000
Relative Permittivity (real part)	40.833245
Conductivity (S/m)	0.892458
Power Variation (%)	-0.814700
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



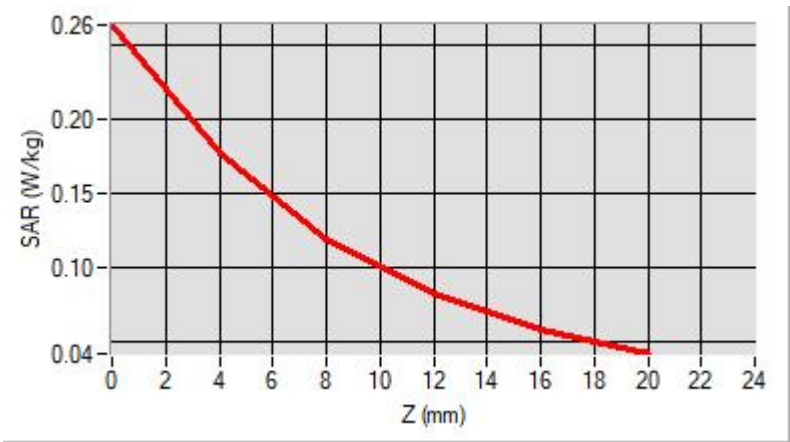
Maximum location: X=9.00, Y=39.00

D. SAR 1g & 10g

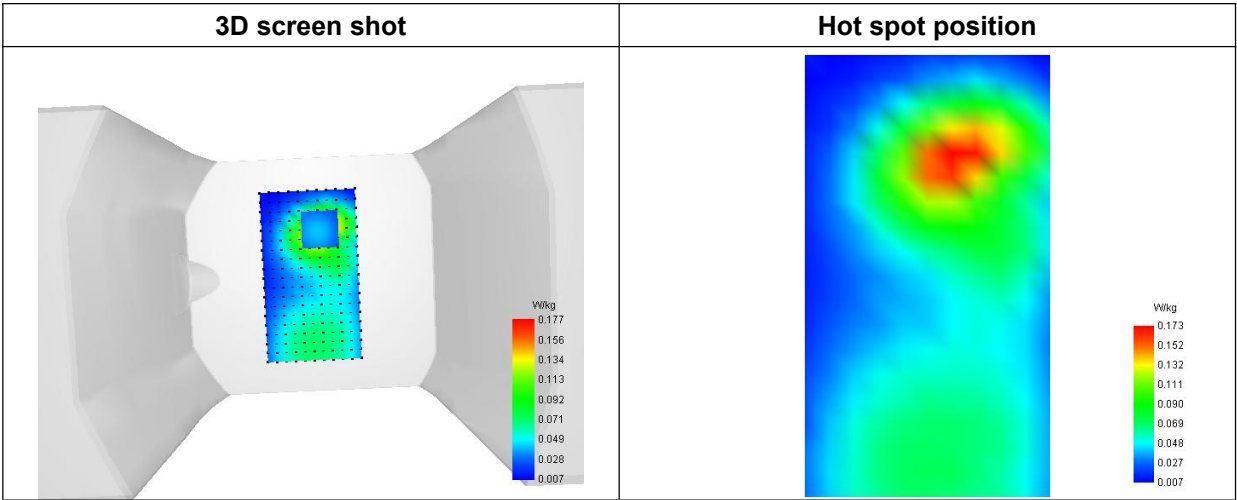
SAR 10g (W/Kg)	0.098259
SAR 1g (W/Kg)	0.165203

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.2629	0.1771	0.1193	0.0822	0.0588



F. 3D Image



MEASUREMENT 31

Type: Measurement (Complete)
Date of measurement: 2024-12-23
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.50; Calibrated: 2024-07-11

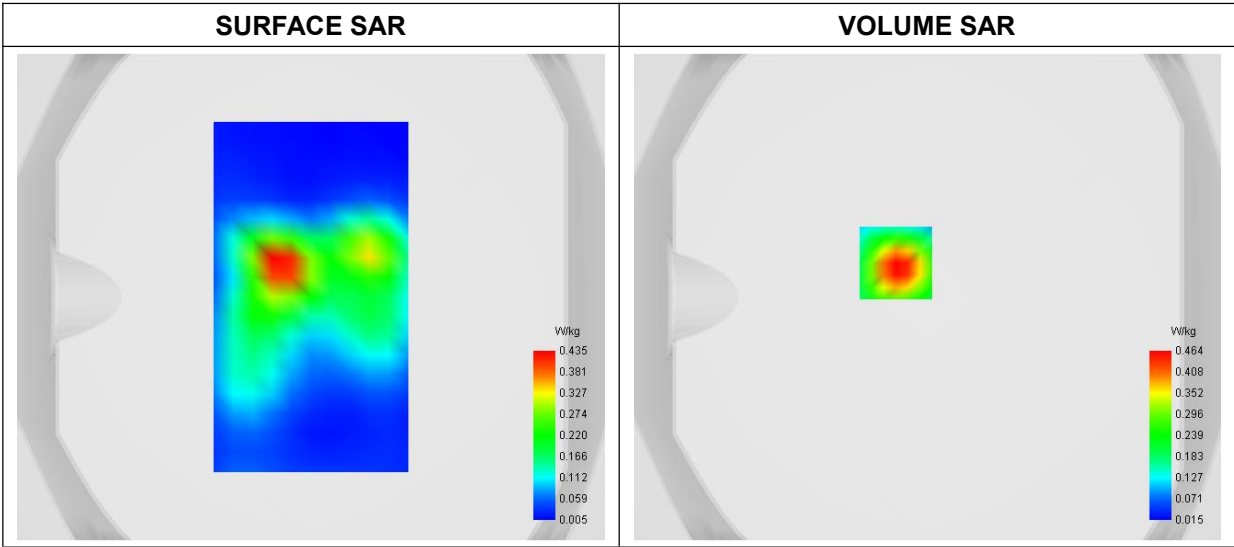
A. Experimental conditions

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	16QAM, 20MHz, 1RB, High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2560.000000
Relative Permittivity (real part)	39.641327
Conductivity (S/m)	1.932987
Power Variation (%)	-0.866400
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



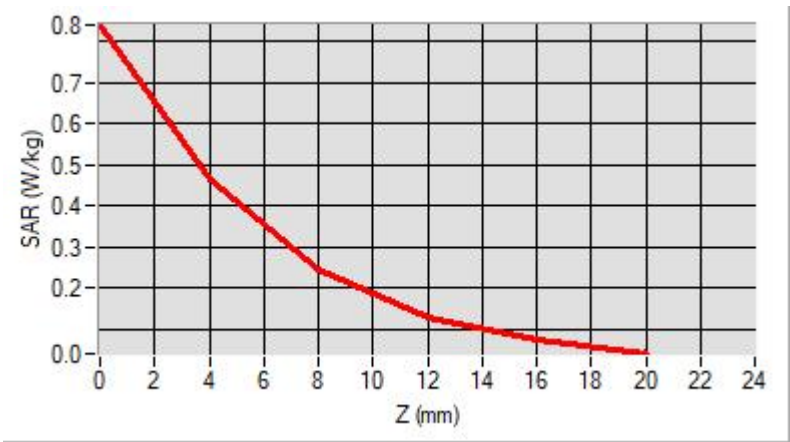
Maximum location: X=-13.00, Y=14.00

D. SAR 1g & 10g

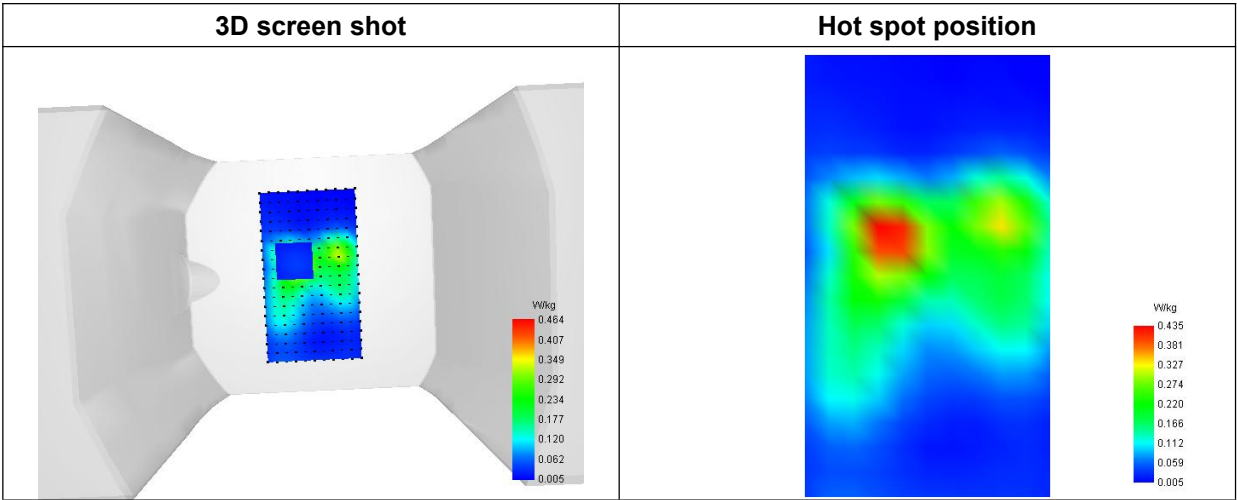
SAR 10g (W/Kg)	0.204573
SAR 1g (W/Kg)	0.432033

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.8403	0.4639	0.2465	0.1315	0.0741



F. 3D Image



MEASUREMENT 32/52

Type: Measurement (Complete)
Date of measurement: 2024-12-19
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.27; Calibrated: 2024-07-11

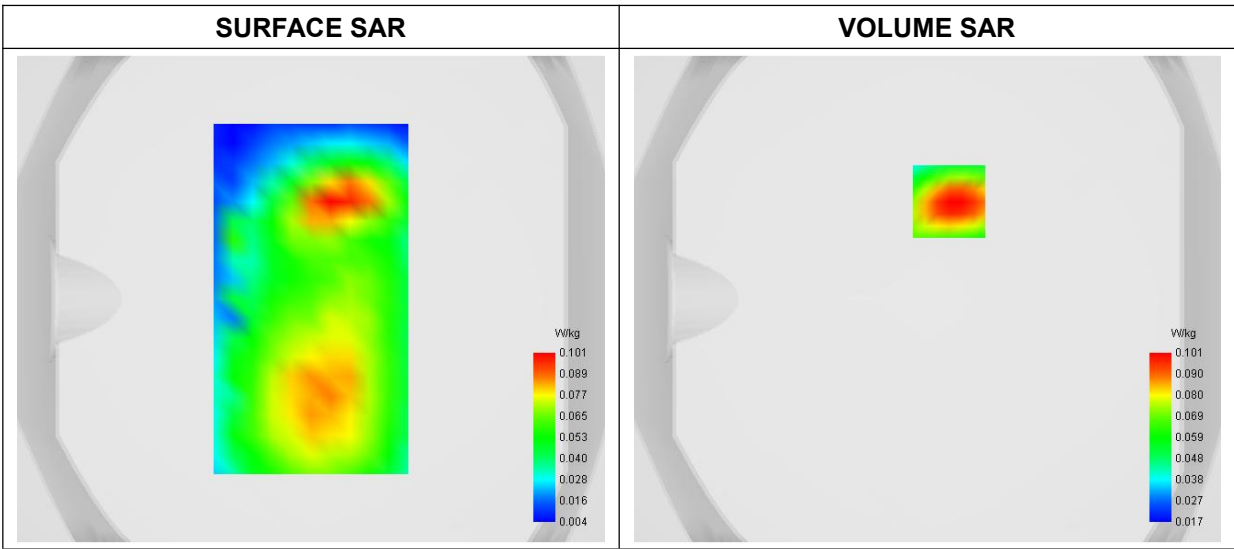
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 12
Channels	QPSK, 10MHz, 1RB, Low
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	704.000000
Relative Permittivity (real part)	41.144156
Conductivity (S/m)	0.871822
Power Variation (%)	0.575100
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



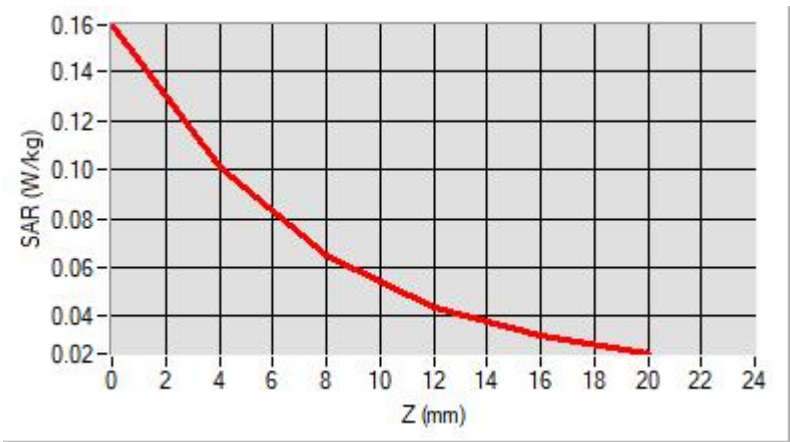
Maximum location: X=9.00, Y=40.00

D. SAR 1g & 10g

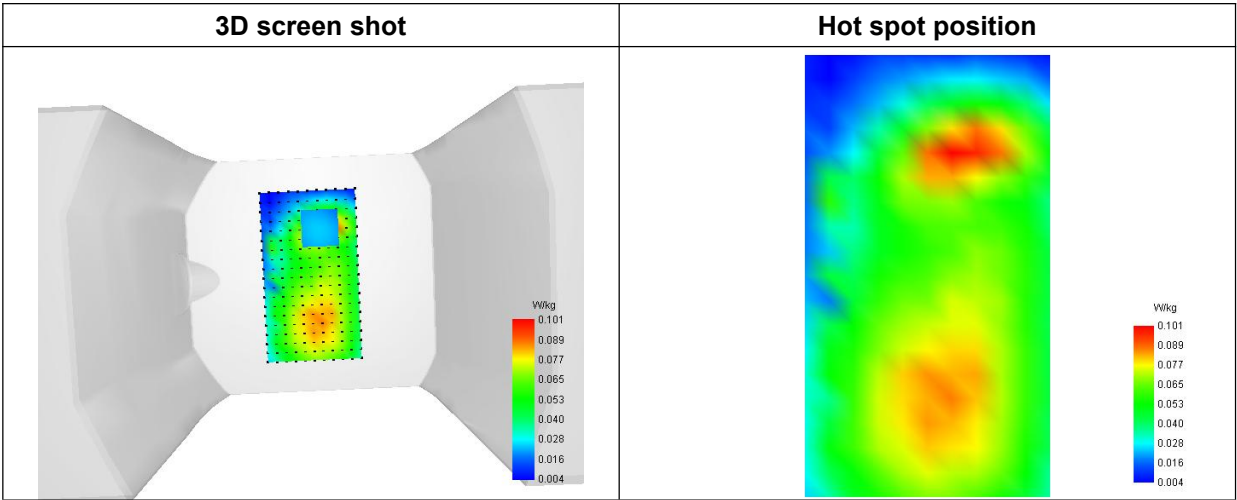
SAR 10g (W/Kg)	0.058209
SAR 1g (W/Kg)	0.097579

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.1589	0.1008	0.0645	0.0436	0.0322



F. 3D Image



MEASUREMENT 33/53

Type: Measurement (Complete)
Date of measurement: 2024-12-19
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.27; Calibrated: 2024-07-11

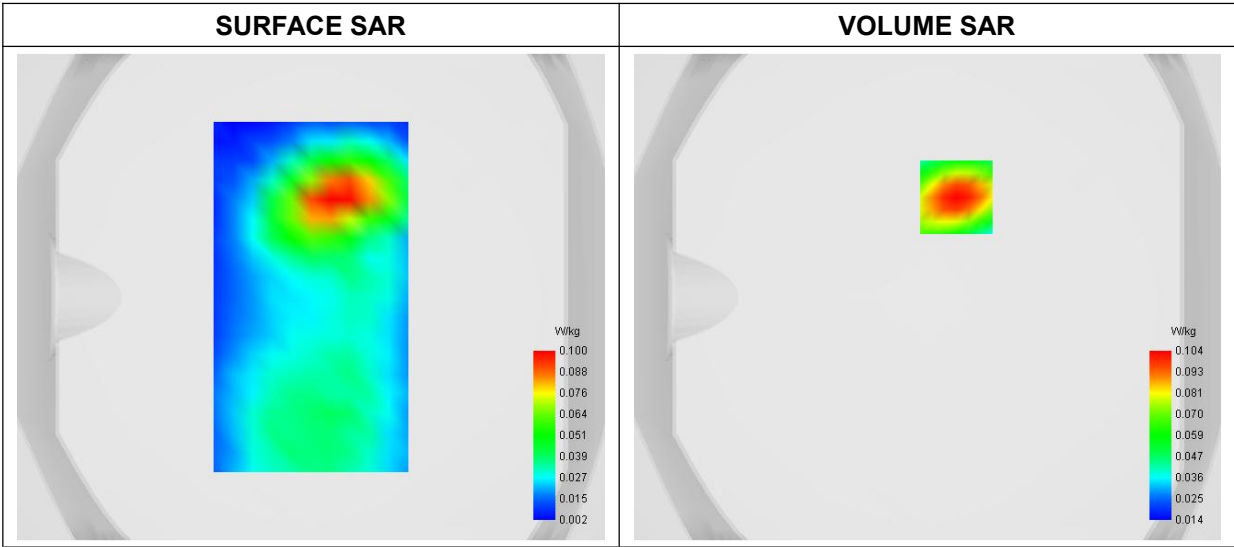
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 13
Channels	QPSK, 10MHz, 1RB, Middle
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	782.000000
Relative Permittivity (real part)	41.144262
Conductivity (S/m)	0.871925
Power Variation (%)	0.361500
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



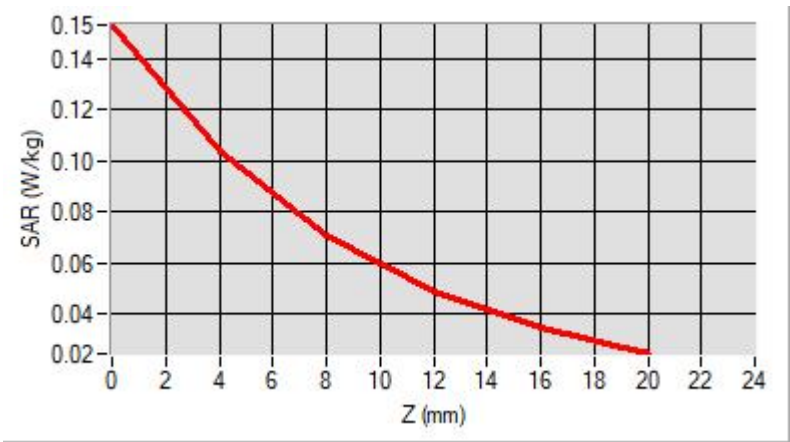
Maximum location: X=12.00, Y=41.00

D. SAR 1g & 10g

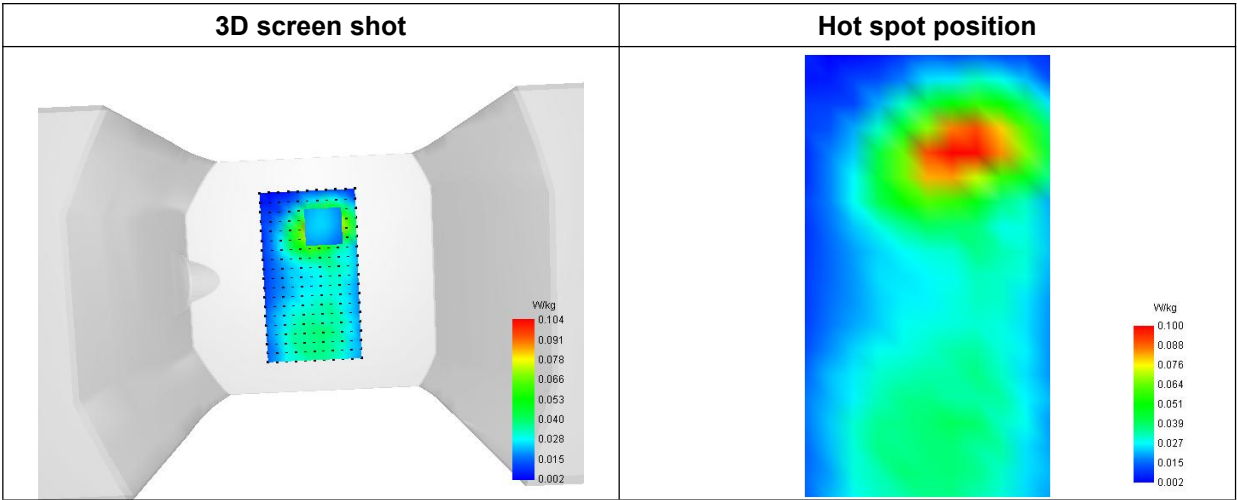
SAR 10g (W/Kg)	0.057589
SAR 1g (W/Kg)	0.096471

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.1531	0.1039	0.0703	0.0485	0.0344



F. 3D Image



MEASUREMENT 34/54

Type: Measurement (Complete)
Date of measurement: 2024-12-19
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.27; Calibrated: 2024-07-11

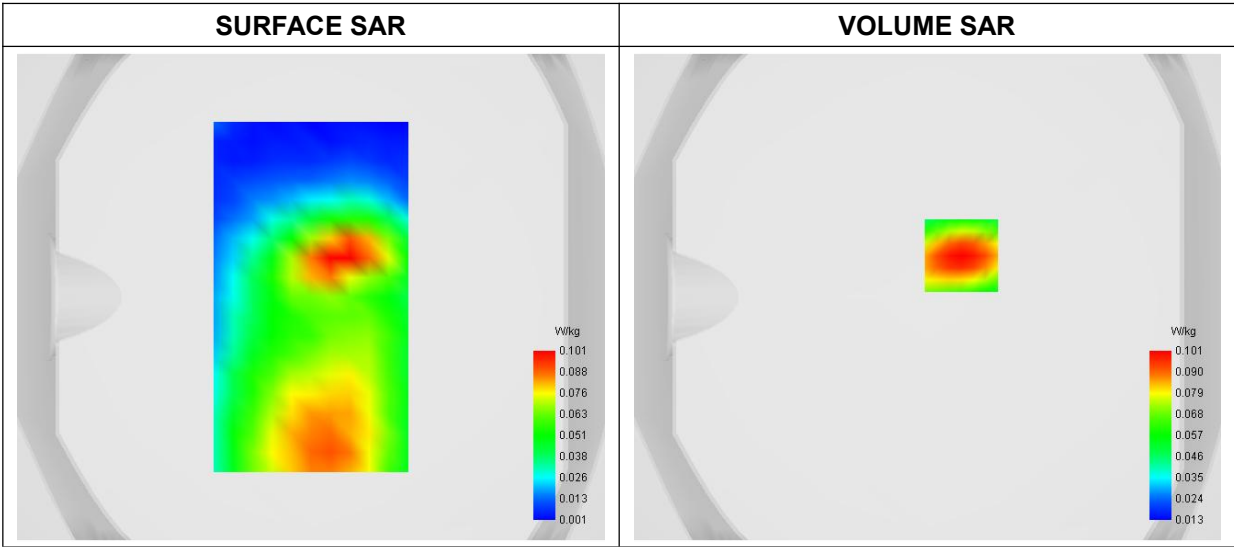
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 17
Channels	QPSK, 10MHz, 1RB, Low
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	709.000000
Relative Permittivity (real part)	41.144366
Conductivity (S/m)	0.872696
Power Variation (%)	0.861700
Ambient Temperature	22.2
Liquid Temperature	22.2

C. SAR Surface and Volume



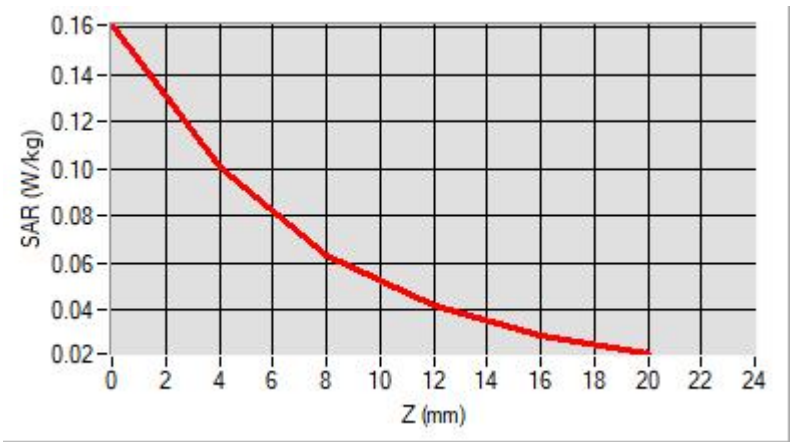
Maximum location: X=14.00, Y=17.00

D. SAR 1g & 10g

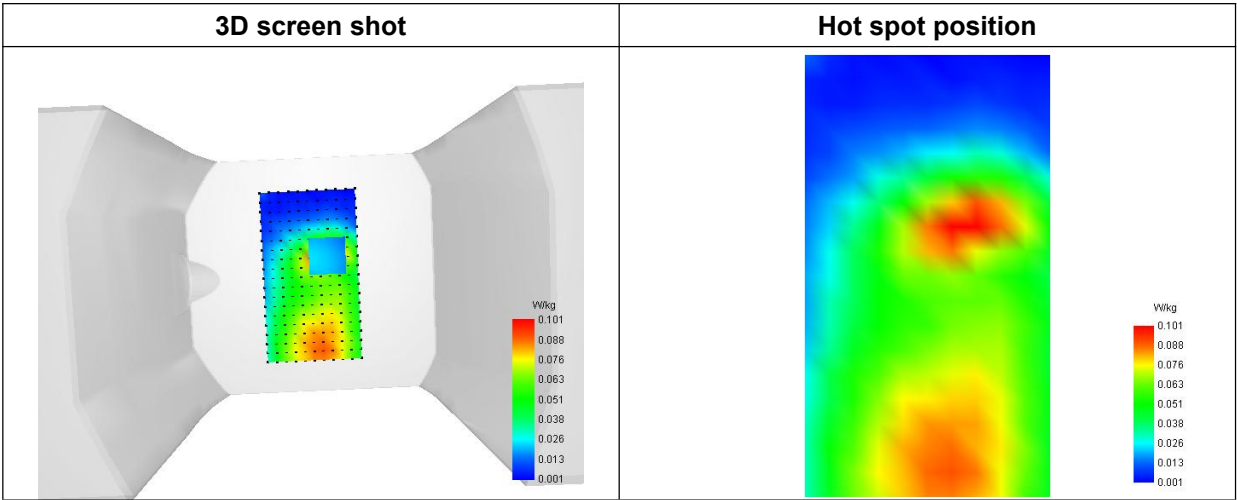
SAR 10g (W/Kg)	0.057744
SAR 1g (W/Kg)	0.096866

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.1611	0.1010	0.0634	0.0416	0.0293



F. 3D Image



MEASUREMENT 35/55

Type: Measurement (Complete)
Date of measurement: 2024-12-23
Measurement duration: 12 minutes 3 seconds
E-field Probe: SSE2 - 3823-EPGO-435; ConvF: 1.50; Calibrated: 2024-07-11

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)	39.642666
Conductivity (S/m)	1.931828
Power Variation (%)	0.354083
Ambient Temperature	22.3
Liquid Temperature	22.3

C. SAR Surface and Volume

