

TEST REPORT

Reference No..... : WTX23X02023511W
FCC ID : 2AAH8-OSIDDV2
Applicant : Orpyx Medical Technologies Inc.
Address..... : Suite 205, 1240 - 20th Avenue S.E. Calgary, AB T2G 1M8 Canada
Manufacturer The same as Applicant
Address..... The same as Applicant
Product Name : Mobile Phone
Model No..... : OSIDDV2
FCC Part 2.1093
Standards : IEEE Std C95.1: 2019
IEEE Std C95.3: 2002 + Rev. 2008
IEEE 1528:2013
Date of Receipt sample : 2023-03-01
Date of Test..... : 2023-03-01 to 2023-03-10
Date of Issue : 2023-03-15
Test Report Form No. : WTX_IEEE_1528_2013W
Test Result..... : **Pass**

Remarks:

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

Prepared By:

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TABLE OF CONTENTS

1. General Information	4
1.1 Product Description for Equipment Under Test (EUT)	4
1.2 Test Standards	8
1.3 Test Methodology	8
1.4 Test Facility	8
2. Summary of Test Results	9
3. Specific Absorption Rate (SAR).....	10
3.1 Introduction.....	10
3.2 SAR Definition	10
4. SAR Measurement System	11
4.1 The Measurement System	11
4.2 Probe.....	11
4.3 Probe Calibration Process	13
4.4 Phantom	14
4.5 Device Holder.....	14
4.6 Test Equipment List.....	15
5. Tissue Simulating Liquids.....	16
5.1 Composition of Tissue Simulating Liquid	16
5.2 Tissue Dielectric Parameters for Head and Body Phantoms	17
5.3 Tissue Calibration Result.....	18
6. SAR Measurement Evaluation	20
6.1 Purpose of System Performance Check.....	20
6.2 System Setup	20
6.3 Validation Results.....	21
7. EUT Testing Position	23
7.1 Define Two Imaginary Lines on The Handset.....	23
7.2 Cheek Position	24
7.3 Tilted Position	24
7.4 Body Position	25
7.5 EUT Antenna Position	25
7.6 EUT Testing Position.....	26
8. SAR Measurement Procedures	28
8.1 Measurement Procedures	28
8.2 Spatial Peak SAR Evaluation	28
8.3 Area & Zoom Scan Procedures.....	29
8.4 Volume Scan Procedures	29
8.5 SAR Averaged Methods	29
8.6 Power Drift Monitoring.....	29
9. SAR Test Result	30
9.1 Conducted RF Output Power	30
9.2 Test Results for Standalone SAR Test.....	98
9.3 Simultaneous Multi-band Transmission SAR Analysis	125
10. Measurement Uncertainty	130
10.1 Uncertainty for SAR Test.....	130
Annex A. Plots of System Performance Check	132
Annex B. Plots of SAR Measurement	150
Annex C. EUT Photos	242
Annex D. Test Setup Photos	244
Annex E. Calibration Certificate.....	249

Report version

Version No.	Date of issue	Description
Rev.00	2023-03-15	Original
/	/	/

1. General Information

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT:	
Product Name:	Mobile Phone
Brand Name:	Orpyx
Model No.:	OSIDDV2
Adding Model(s):	/
Rated Voltage:	DC3.85V
Battery capacity:	4000mAh (15.4Wh)
Adapter Model:	TPA-46050200UU INPUT:AC100-240V 50/60Hz 0.3A OUTPUT:DC5V 2.0A
Test Sample No.:	WTX23X02023511W002#
Software Version:	/
Hardware Version:	/
<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
Support Band:	GSM850/PCS1900
Uplink Frequency:	GSM/GPRS 850: 824~849MHz GSM/GPRS 1900: 1850~1910MHz
Downlink Frequency:	GSM/GPRS 850: 869~894MHz GSM/GPRS 1900: 1930~1990MHz
RF Output Power:	GSM850: 32.82dBm, GSM1900: 30.26dBm
Type of Modulation:	GMSK
Type of Antenna:	PIFA Antenna
Antenna Gain:	GSM850: -1.4dBi; GSM1900: -1.9dBi
GPRS Class:	Class 12
3G	
Support Networks:	WCDMA, HSDPA, HSUPA
Support Band:	WCDMA Band 2, WCDMA Band 5, WCDMA Band 4
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: 23.61dBm, WCDMA Band 4: 21.78dBm WCDMA Band 5: 23.52dBm
Type of Modulation:	BPSK, QPSK
Antenna Type:	PIFA Antenna
Antenna Gain:	WCDMA Band 2: -1.9dBi, WCDMA Band 4: -1.6dBi, WCDMA Band 5: -1.4dBi
4G	
Support Networks:	FDD-LTE, TDD-LTE
Support Band:	FDD-LTE Band 2, 4, 5, 12,13, 17, 25, 26, 66, 71, TDD-LTE Band 41
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 12: Tx: 699-716MHz, FDD-LTE Band 13: Tx: 777-787MHz, FDD-LTE Band 17: Tx: 704-716MHz, FDD-LTE Band 25: Tx: 1850-1915MHz,

	FDD-LTE Band 26: Tx: 814-824MHz, FDD-LTE Band 26: Tx: 824-849MHz, FDD-LTE Band 66: Tx: 1710-1780MHz, FDD-LTE Band 71: Tx: 663-698MHz, TDD-LTE Band 41: Tx: 2535-2655MHz
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 12: Rx: 729-746MHz, FDD-LTE Band 13: Rx: 746-756MHz, FDD-LTE Band 17: Rx: 734-746MHz, FDD-LTE Band 25: Rx: 1930-1995MHz, FDD-LTE Band 26: Rx: 859-869MHz, FDD-LTE Band 26: Rx: 869-894MHz, FDD-LTE Band 66: Rx: 2110-2200MHz, FDD-LTE Band 71: Rx: 617-652MHz, TDD-LTE Band 41: Rx: 2535-2655MHz
RF Output Power:	FDD-LTE Band 2: 23.75dBm, FDD-LTE Band 4: 22.10dBm, FDD-LTE Band 5: 23.31dBm, FDD-LTE Band 12: 22.70dBm, FDD-LTE Band 13: 22.99dBm, FDD-LTE Band 17: 22.66dBm FDD-LTE Band 25: 23.34dBm, FDD-LTE Band 26(814-824MHz):23.15dBm, FDD-LTE Band 26(824-849MHz):23.44dBm, TDD-LTE Band 41(2535-2655MHz): 22.97dBm, FDD-LTE Band 66: 22.93dBm, FDD-LTE Band 71: 22.44dBm,
Type of Modulation:	QPSK, 16QAM
Antenna Type:	PIFA Antenna
Antenna Gain:	FDD-LTE Band 2: -1.9dBi, FDD-LTE Band 4: -1.6dBi, FDD-LTE Band 5: -1.4dBi, FDD-LTE Band 12: -1.8dBi , FDD-LTE Band 13: -1.7dBi ,FDD-LTE Band 17: -1.8dBi, FDD-LTE Band 25: -1.9dBi , FDD-LTE Band 26: -1.4dBi , TDD-LTE Band 41(2535-2655MHz): -1.2dBi , FDD-LTE Band 66: -1.6dBi , FDD-LTE Band 71: -2.2dBi ,
WIFI(2.4GHz)	
Support Standards:	802.11b, 802.11g, 802.11n-HT20/40
Frequency Range:	2412-2462MHz for 802.11b/g/n(HT20) 2422-2452MHz for 802.11n(HT40)
RF Output Power:	12.70dBm (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:	PIFA Antenna
Antenna Gain:	-0.31dBi
Bluetooth	
Bluetooth Version:	V5.0
Frequency Range:	2402-2480MHz
RF Output Power:	2.06dBm (Conducted)
Data Rate:	1Mbps, 2Mbps, 3Mbps
Modulation:	GFSK, $\pi/4$ DQPSK, 8DPSK
Quantity of Channels:	79/40
Channel Separation:	1MHz/2MHz
Antenna Type:	PIFA Antenna
Antenna Gain:	-0.31dBi
WIFI(5GHz)	
Support Standards:	802.11a, 802.11n(HT20), 802.11n(HT40), 802.11ac(VHT20), 802.11ac(VHT40), 802.11ac(VHT80)
Frequency Range:	5150-5250MHz, 5250-5350MHz, 5725-5850MHz
RF Output Power:	11.94dBm (Conducted)
Type of Modulation:	BPSK, QPSK, 16QAM, 64QAM, 256QAM
Type of Antenna:	PIFA Antenna
Antenna Gain:	-2.2dBi
<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, IEEE 1528:2013, 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.: 11464A.

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	0.779	0.425	0.887	1.6
WCDMA	0.846	0.886	0.886	1.6
LTE	0.883	0.898	0.898	1.6
WLAN 2.4GHz	0.105	0.070	0.070	1.6
WLAN 5GHz	0.690	0.655	0.655	1.6
Simultaneous Transmission	1.469	1.553	1.553	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 IEEE 1528:2013 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:

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

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

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

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

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

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

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.

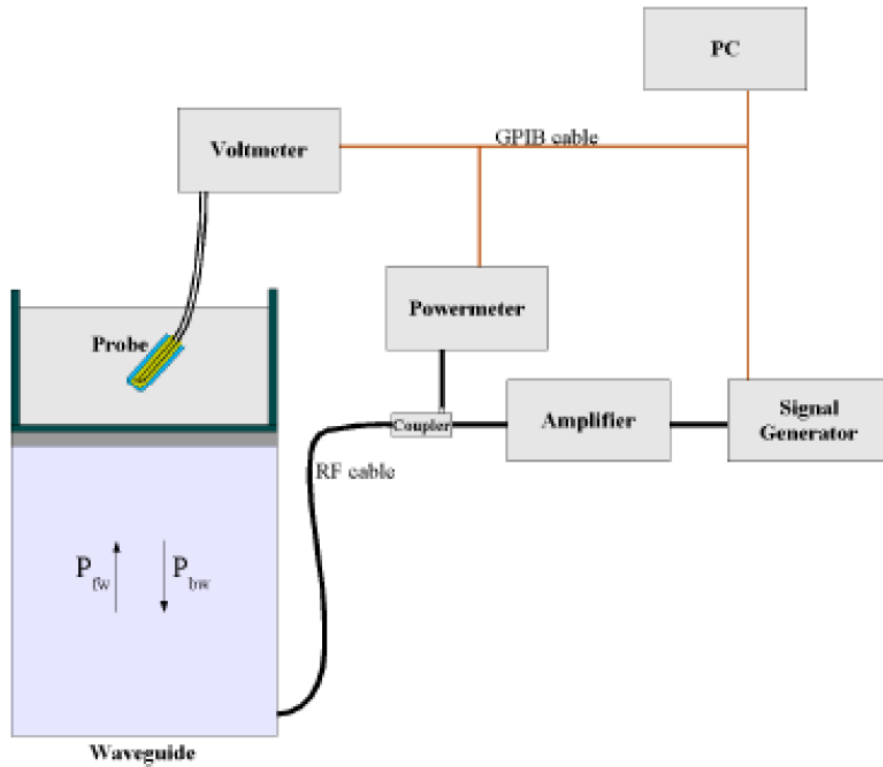


The EUT under test operating at the maximum power level is placed in the phone holder, under the phantom, which is filled with head simulating liquid. The E-Field probe measures the electric field inside the phantom. The OpenSAR software computes the results to give a SAR value in a 1g or 10g mass.

4.2 Probe

For the measurements the Specific Dosimetric E-Field Probe SSE2 SN 18/21 EPGO356, and refer to the calibration report for probe parameters.

Probe calibration is realized, in compliance with EN 62209-1 and IEEE 1528:2013 STD, with CALISAR, Antenna proprietary calibration system. The calibration is performed with the EN 62209-1 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,

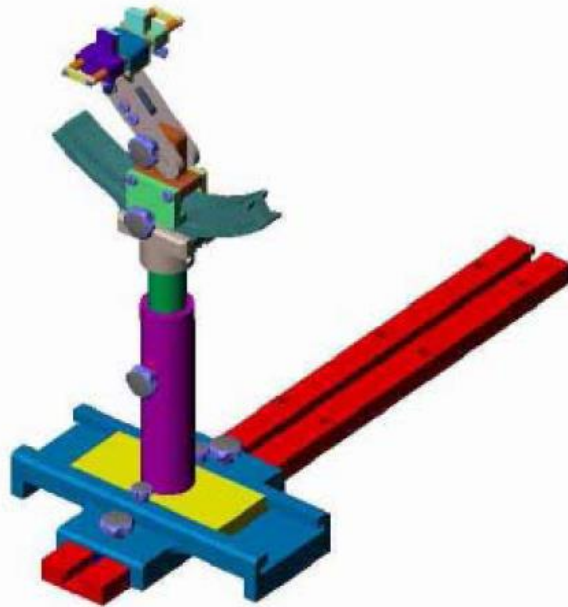
ρ = Tissue density (1.25 g/cm³ for brain tissue)

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

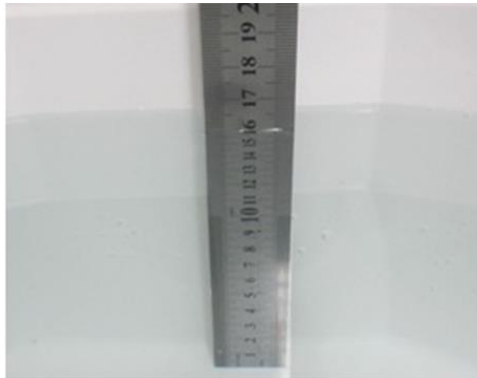
4.6 Test Equipment List

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
E-Field Probe	MVG	SSE2	SN 18/21 EPGO356	2022-07-08	2023-07-07
750MHz Dipole	MVG	SID750	SN 47/12 DIP	2020-03-11	2023-03-10
835MHz Dipole	MVG	SID835	SN 47/12 DIP	2020-03-11	2023-03-10
900MHz Dipole	MVG	SID900	SN 47/12 DIP	2020-03-11	2023-03-10
1800MHz Dipole	MVG	SID1800	SN 47/12 DIP	2020-03-11	2023-03-10
1900MHz Dipole	MVG	SID1900	SN 47/12 DIP	2020-03-11	2023-03-10
2000MHz Dipole	MVG	SID2000	SN 47/12 DIP	2020-03-11	2023-03-10
2450MHz Dipole	MVG	SID2450	SN 13/15 DIP	2020-03-11	2023-03-10
2600MHz Dipole	MVG	SID2600	SN 28/21 DIP	2021-07-16	2024-07-15
5 GHz Dipole	MVG	SWG5500	SN 49/16 WGA45	2020-07-03	2023-07-02
Dielectric Probe	SATIMO	SCLMP	SN 47/12 OCPG49	2022-03-22	2023-03-21
SAM Phantom	SATIMO	SAM	SN/ 47/12 SAM95	N/A	N/A
Multi Meter	Keithley	Keithley 2000	4006367	2022-03-22	2023-03-21
Power meter	Keithley	3500	JC-2017-09-001	2022-03-22	2023-03-21
Power meter	Keithley	3500	JC-2017-09-001	2022-03-22	2023-03-21
Power Sensor	HP	11636B	JC-2017-10-002	2022-03-22	2023-03-21
MXG X-Series RF Vector Signal Generato	KEYSIGHT	N5182B	MY57300664	2022-03-22	2023-03-21
Universal Tester	Rohde & Schwarz	CMU200	112315	2022-03-22	2023-03-21
Universal Radio Communication Tester	Rohde & Schwarz	CMW500	148650	2022-03-22	2023-03-21
Network Analyzer	HP	8753C	2901A00831	2022-03-22	2023-03-21

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	78.6	10.7	10.7

5.2 Tissue Dielectric Parameters for Head and Body Phantoms

According to FCC KDBs, IEEE 1528:2013 and CEI/IEC 62209 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
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	23.2	0.87	0.89	-2.25	42.31	41.90	0.98	±5	2023-03-06
835	23.2	0.88	0.90	-2.22	42.06	41.50	1.35	±5	2023-03-06
1800	23.5	1.38	1.40	-1.43	39.60	40.00	-1.00	±5	2023-03-08
1900	23.5	1.38	1.40	-1.43	39.58	40.00	-1.05	±5	2023-03-08
2450	23.6	1.76	1.80	-2.22	39.09	39.20	-0.28	±5	2023-03-09
2600	23.6	1.94	1.96	-1.02	38.95	39.0	-0.13	±5	2023-03-09
5200	23.8	4.71	4.66	1.07	36.64	36.0	1.78	±5	2023-03-07
5400	23.8	4.83	4.86	-0.62	36.60	35.8	2.23	±5	2023-03-07
5800	23.8	5.19	5.27	-1.52	35.92	35.3	1.76	±5	2023-03-07
673	23.2	0.87	0.89	-2.25	42.32	41.90	1.00	±5	2023-03-06
680.5	23.2	0.87	0.89	-2.25	42.32	41.90	1.00	±5	2023-03-06
688	23.2	0.87	0.89	-2.25	42.32	41.90	1.00	±5	2023-03-06
704	23.2	0.87	0.89	-2.25	42.32	41.90	1.00	±5	2023-03-06
707.5	23.2	0.87	0.89	-2.25	42.32	41.90	1.00	±5	2023-03-06
709	23.2	0.87	0.89	-2.25	42.32	41.90	1.00	±5	2023-03-06
710	23.2	0.87	0.89	-2.25	42.32	41.90	1.00	±5	2023-03-06
711	23.2	0.87	0.89	-2.25	42.32	41.90	1.00	±5	2023-03-06
782	23.2	0.87	0.89	-2.25	42.31	41.90	0.98	±5	2023-03-06
819	23.2	0.88	0.90	-2.22	42.06	41.50	1.35	±5	2023-03-06
821.5	23.2	0.88	0.90	-2.22	42.06	41.50	1.35	±5	2023-03-06
824.2	23.2	0.88	0.90	-2.22	42.06	41.50	1.35	±5	2023-03-06
826.4	23.2	0.88	0.90	-2.22	42.06	41.50	1.35	±5	2023-03-06
829	23.2	0.88	0.90	-2.22	42.06	41.50	1.35	±5	2023-03-06
831.5	23.2	0.88	0.90	-2.22	42.06	41.50	1.35	±5	2023-03-06
836.5	23.2	0.88	0.90	-2.22	42.06	41.50	1.35	±5	2023-03-06
836.4	23.2	0.88	0.90	-2.22	42.06	41.50	1.35	±5	2023-03-06
836.5	23.2	0.88	0.90	-2.22	42.06	41.50	1.35	±5	2023-03-06
836.6	23.2	0.88	0.90	-2.22	42.06	41.50	1.35	±5	2023-03-06
841.5	23.2	0.88	0.90	-2.22	42.06	41.50	1.35	±5	2023-03-06
844	23.2	0.88	0.90	-2.22	42.06	41.50	1.35	±5	2023-03-06
846.6	23.2	0.88	0.90	-2.22	42.06	41.50	1.35	±5	2023-03-06

848.8	23.2	0.88	0.90	-2.22	42.06	41.50	1.35	±5	2023-03-06
1712.4	23.5	1.38	1.40	-1.43	39.62	40.00	-0.95	±5	2023-03-08
1720	23.5	1.38	1.40	-1.43	39.62	40.00	-0.95	±5	2023-03-08
1732.4	23.5	1.38	1.40	-1.43	39.62	40.00	-0.95	±5	2023-03-08
1732.5	23.5	1.38	1.40	-1.43	39.62	40.00	-0.95	±5	2023-03-08
1745	23.5	1.38	1.40	-1.43	39.62	40.00	-0.95	±5	2023-03-08
1752.6	23.5	1.38	1.40	-1.43	39.62	40.00	-0.95	±5	2023-03-08
1770	23.5	1.38	1.40	-1.43	39.62	40.00	-0.95	±5	2023-03-08
1882.5	23.5	1.38	1.40	-1.43	39.61	40.00	-0.98	±5	2023-03-08
1860	23.5	1.38	1.40	-1.43	39.61	40.00	-0.98	±5	2023-03-08
1880	23.5	1.38	1.40	-1.43	39.61	40.00	-0.98	±5	2023-03-08
1850.2	23.5	1.38	1.40	-1.43	39.61	40.00	-0.98	±5	2023-03-08
1852.4	23.5	1.38	1.40	-1.43	39.61	40.00	-0.98	±5	2023-03-08
1905	23.5	1.38	1.40	-1.43	39.58	40.00	-1.05	±5	2023-03-08
1909.8	23.5	1.38	1.40	-1.43	39.58	40.00	-1.05	±5	2023-03-08
1907.6	23.5	1.38	1.40	-1.43	39.58	40.00	-1.05	±5	2023-03-08
2412	23.6	1.76	1.80	-2.22	39.09	39.20	-0.28	±5	2023-03-09
2437	23.6	1.76	1.80	-2.22	39.09	39.20	-0.28	±5	2023-03-09
2462	23.6	1.76	1.80	-2.22	39.09	39.20	-0.28	±5	2023-03-09
2545	23.6	1.94	1.96	-1.02	38.96	39.0	-0.10	±5	2023-03-09
2595	23.6	1.94	1.96	-1.02	38.96	39.0	-0.10	±5	2023-03-09
2645	23.6	1.94	1.96	-1.02	38.95	39.0	-0.13	±5	2023-03-09
5180	23.8	4.71	4.66	1.07	36.64	36.0	1.78	±5	2023-03-07
5240	23.8	4.71	4.66	1.07	36.64	36.0	1.78	±5	2023-03-07
5260	23.8	4.83	4.86	-0.62	36.61	35.8	2.26	±5	2023-03-07
5280	23.8	4.83	4.86	-0.62	36.61	35.8	2.26	±5	2023-03-07
5320	23.8	4.83	4.86	-0.62	36.61	35.8	2.26	±5	2023-03-07
5745	23.8	5.19	5.27	-1.52	35.91	35.3	1.73	±5	2023-03-07
5785	23.8	5.19	5.27	-1.52	35.91	35.3	1.73	±5	2023-03-07
5825	23.8	5.19	5.27	-1.52	35.92	35.3	1.76	±5	2023-03-07

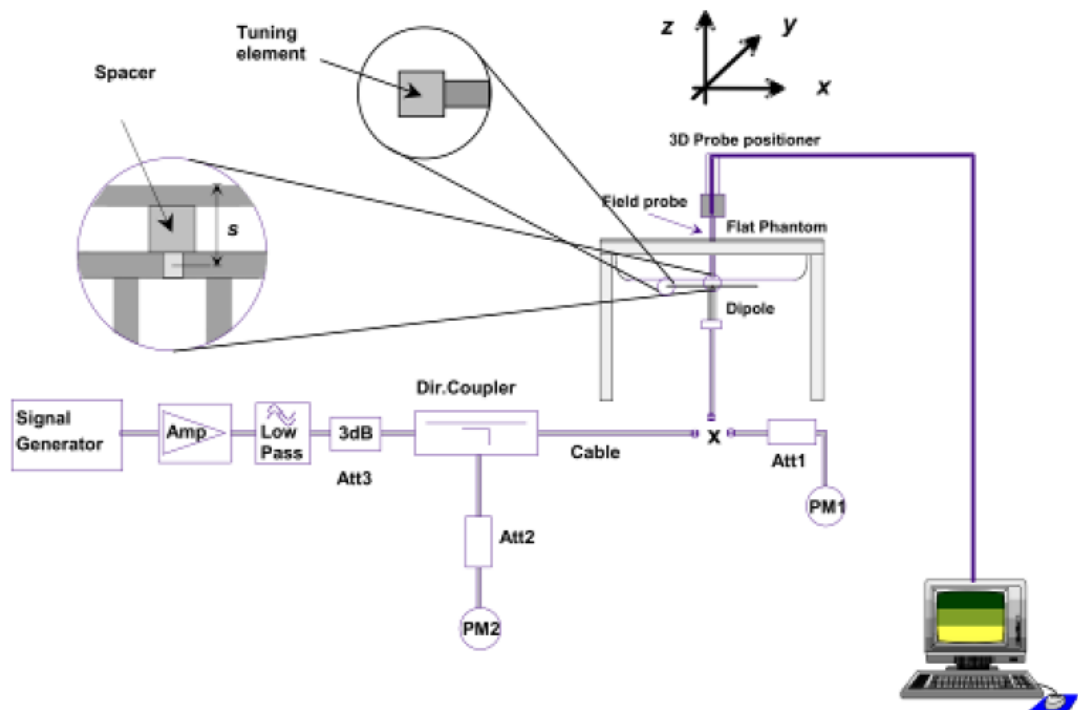
6. SAR Measurement Evaluation

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 24 dBm(250 mW) before dipole is connected.
 The output power on 5 GHz Waveguide must be calibrated to 20dBm (100mW) before 5 GHz Waveguide 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	Targeted SAR _{1g}	Measured SAR _{1g}	Normalized SAR _{1g}	Tolerance	Date
MHz	(W/kg)	(W/kg)	(W/kg)	(%)	
Head					
750	8.40	2.16	8.64	2.86	2023-03-06
835	9.65	2.41	9.64	-0.10	2023-03-06
1800	38.49	9.61	38.44	-0.13	2023-03-08
1900	39.59	9.91	39.64	0.13	2023-03-08
2450	53.76	13.45	53.8	0.07	2023-03-09
2600	56.81	13.67	54.68	-3.75	2023-03-09
5200	161.23	16.946	169.46	5.10	2023-03-07
5400	165.58	17.111	171.11	3.34	2023-03-07
5800	179.32	18.604	186.04	3.75	2023-03-07

Reference No.: WTX23X02023511W

Remark: Referring to IEEE 1528:2013, Section 8.2, 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.

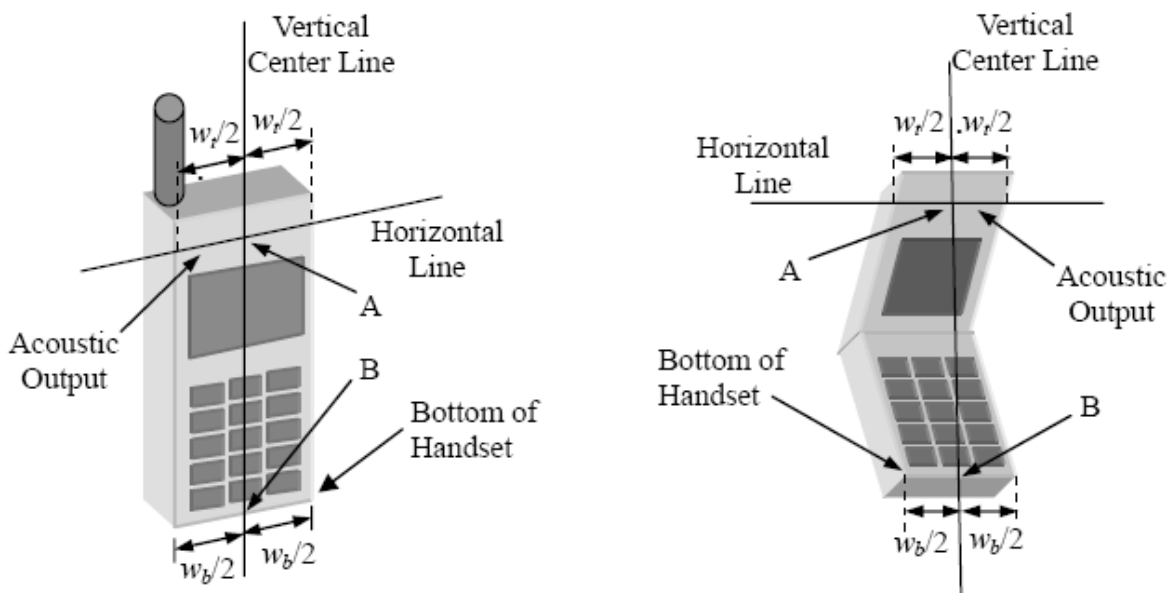


Illustration for Handset Vertical and Horizontal Reference Lines

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).

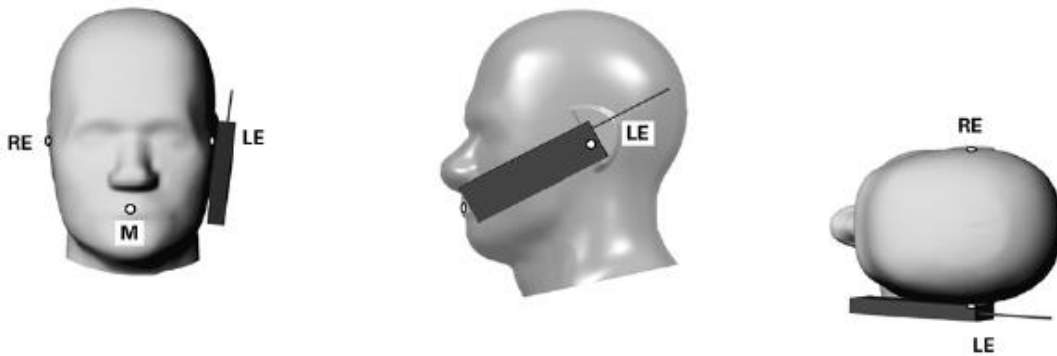


Illustration for Cheek Position

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.

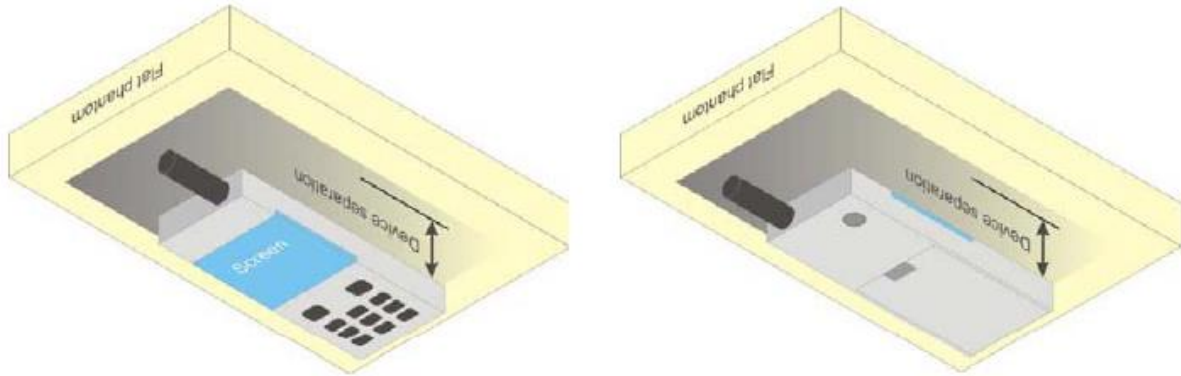
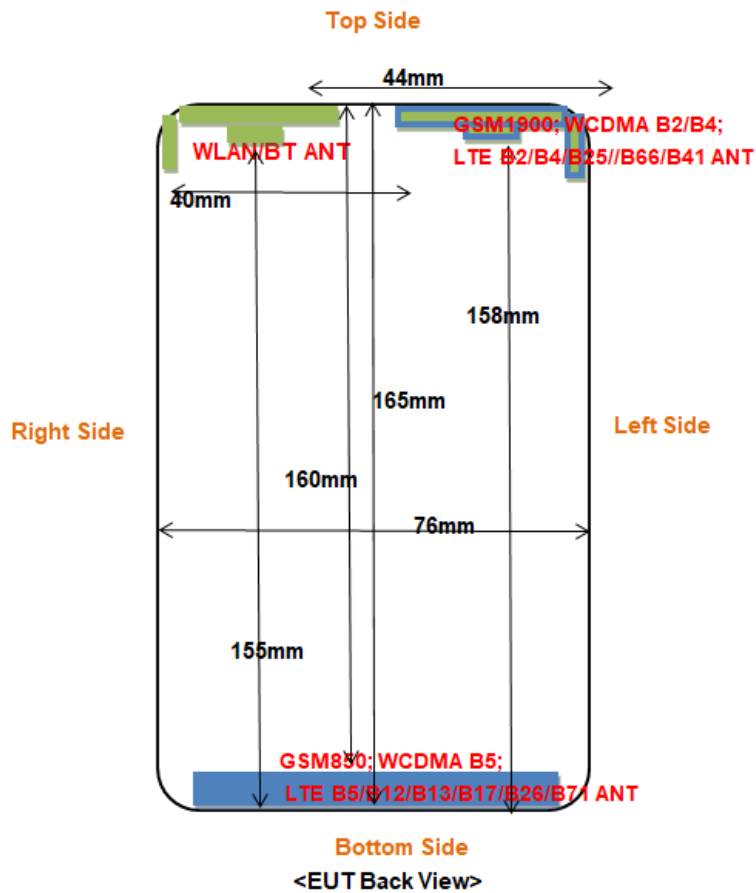


Illustration for Body Position

7.5 EUT Antenna Position



Block Diagram for EUT Antenna Position

Distance of EUT antenna-to-edge/surface(mm), Test distance:10mm						
Antennas	Back side	Front side	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM1900; WCDMA B2/B4; LTE B2/B4/B25/B66/B41 ANT	<25	<25	<25	40	<25	158
GSM850; WCDMA B5; LTE B5/B12/B13/ B17/B26/B71 ANT	<25	<25	<25	<25	160	<25
WLAN/BT	<25	<25	44	<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
GSM1900; WCDMA B2/B4; LTE B2/B4/B25/B66/B41ANT	Yes	Yes	Yes	Yes
GSM850; WCDMA B5; LTE B5/B12/B13/ B17/B26/B71 ANT	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
GSM1900; WCDMA B2/B4; LTE B2/B4/B25/B66/B41 ANT	Yes	Yes	Yes	No	No	Yes
GSM850; WCDMA B5; LTE B5/B12/B13/ B17/B26/B71 ANT	Yes	Yes	Yes	Yes	Yes	No
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 Hotspot mode 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.

Reference No.: WTX23X02023511W

2. Referring to KDB 447498 D01v06, a conservative minimum test separation distance for supporting off-the-shelf body-worn accessories that may be acquired by users of consumer handsets should be used to test for body-worn accessory SAR compliance. This distance is determined by the handset manufacturer according to the typical body-worn accessories users may acquire at the time of equipment certification, but not more than 2.5 cm, to enable users to purchase aftermarket body-worn accessories with the required minimum separation.
3. 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 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	32.74	32.74	32.82	33.0	29.31	30.02	30.26	30.5
GPRS (1 slot)	32.59	32.61	32.68	33.0	29.32	29.97	30.11	30.5
GPRS (2 slots)	32.11	32.11	32.14	32.5	28.56	29.37	29.52	30.0
GPRS (3 slots)	30.66	31.27	31.21	31.5	26.59	27.52	27.90	28.0
GPRS (4 slots)	29.53	29.41	29.44	30.0	25.36	26.33	26.77	27.0

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	23.74	23.74	23.82	24.0	20.31	21.02	21.26	21.5
GPRS (1 slot)	23.59	23.61	23.68	24.0	20.32	20.97	21.11	21.5
GPRS (2 slots)	26.11	26.11	26.14	26.5	22.56	23.37	23.52	24.0
GPRS (3 slots)	26.41	27.02	26.96	27.5	22.34	23.27	23.65	24.0
GPRS (4 slots)	26.53	26.41	26.44	27.0	22.36	23.33	23.77	24.0

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 (3TX 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.
5. The DUT do not support Hotspot function.

WCDMA - Average Power (dBm)								
Band	WCDMA Band II				WCDMA Band V			
Channel	9262	9400	9538	Tune-up power (dBm)	4132	4183	4233	Tune-up power (dBm)
Frequency (MHz)	1852.4	1880.0	1907.6		826.4	836.4	846.6	
RMC 12.2k	23.44	23.61	23.60	24.0	23.52	23.39	23.44	24.0
HSDPA Subtest-1	22.42	22.47	22.51	23.0	22.47	22.87	22.55	23.0
HSDPA Subtest-2	22.35	22.32	22.35	22.5	22.43	22.85	22.50	23.0
HSDPA Subtest-3	22.12	22.15	22.22	22.5	22.35	22.55	22.45	23.0
HSDPA Subtest-4	22.18	22.12	22.12	22.5	22.28	22.38	22.15	23.0
HSUPA Subtest-1	22.41	22.46	22.50	22.5	22.47	22.45	22.44	23.0
HSUPA Subtest-2	22.38	22.42	22.45	22.5	22.35	22.4	22.42	23.0
HSUPA Subtest-3	22.35	22.40	22.41	22.5	22.32	22.35	22.4	23.0
HSUPA Subtest-4	22.32	22.40	22.38	22.5	22.28	22.34	22.4	23.0
HSUPA Subtest-5	22.30	22.38	22.30	22.5	22.25	22.32	22.38	23.0

WCDMA - Average Power (dBm)								
Band	WCDMA Band							
Channel	1312	1412	1513	Tune-up power (dBm)				
Frequency (MHz)	1712.4	1732.4	1752.6					
RMC 12.2k	21.78	21.63	21.76	22.0				
HSDPA Subtest-1	21.61	21.5	21.51	22.0				
HSDPA Subtest-2	21.60	21.48	21.50	22.0				
HSDPA Subtest-3	21.58	21.45	21.45	22.0				
HSDPA Subtest-4	21.5	21.43	21.42	22.0				
HSUPA Subtest-1	21.45	21.38	21.40	22.0				
HSUPA Subtest-2	21.42	21.35	21.39	22.0				
HSUPA Subtest-3	21.40	21.32	21.37	22.0				
HSUPA Subtest-4	21.40	21.30	21.35	22.0				
HSUPA Subtest-5	21.38	21.28	21.30	22.0				

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)	Tune-up power (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	23.34	24.0	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.55	24.0	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.41	24.0	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.53	24.0	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.49	24.0	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.53	24.0	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.46	24.0	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.62	24.0	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.70	24.0	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.62	24.0	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.71	24.0	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.71	24.0	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.50	24.0	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.16	24.0	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.97	24.0	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.87	24.0	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.76	24.0	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	22.88	24.0	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	22.87	24.0	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	22.88	24.0	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.86	24.0	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.54	24.0	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.66	24.0	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.59	24.0	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.41	24.0	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	22.45	24.0	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	22.39	24.0	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.52	24.0	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.72	24.0	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.90	24.0	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.75	24.0	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.59	24.0	PASS

Band2	1.4MHz	16QAM	18900	3RB#1	22.42	24.0	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	22.11	24.0	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.25	24.0	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.90	24.0	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.05	24.0	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.90	24.0	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.74	24.0	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	21.76	24.0	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	21.74	24.0	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.88	24.0	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.94	24.0	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.00	24.0	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.03	24.0	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.01	24.0	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.99	24.0	PASS
Band2	3MHz	QPSK	18615	8RB#7	22.05	24.0	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.05	24.0	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.18	24.0	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.16	24.0	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.16	24.0	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.19	24.0	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.25	24.0	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.22	24.0	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.22	24.0	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.80	24.0	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.87	24.0	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.83	24.0	PASS
Band2	3MHz	QPSK	19185	8RB#0	21.85	24.0	PASS
Band2	3MHz	QPSK	19185	8RB#4	21.89	24.0	PASS
Band2	3MHz	QPSK	19185	8RB#7	21.88	24.0	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.90	24.0	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.18	24.0	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.21	24.0	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.29	24.0	PASS
Band2	3MHz	16QAM	18615	8RB#0	21.10	24.0	PASS
Band2	3MHz	16QAM	18615	8RB#4	21.08	24.0	PASS
Band2	3MHz	16QAM	18615	8RB#7	21.12	24.0	PASS

Band2	3MHz	16QAM	18615	15RB#0	21.07	24.0	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.34	24.0	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.38	24.0	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.32	24.0	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.31	24.0	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.29	24.0	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.28	24.0	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.22	24.0	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.07	24.0	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.02	24.0	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.02	24.0	PASS
Band2	3MHz	16QAM	19185	8RB#0	20.92	24.0	PASS
Band2	3MHz	16QAM	19185	8RB#4	20.93	24.0	PASS
Band2	3MHz	16QAM	19185	8RB#7	20.93	24.0	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.90	24.0	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.04	24.0	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.24	24.0	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.14	24.0	PASS
Band2	5MHz	QPSK	18625	12RB#0	22.15	24.0	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.16	24.0	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.20	24.0	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.13	24.0	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.27	24.0	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.37	24.0	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.26	24.0	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.36	24.0	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.32	24.0	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.35	24.0	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.38	24.0	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.90	24.0	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.05	24.0	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.93	24.0	PASS
Band2	5MHz	QPSK	19175	12RB#0	21.98	24.0	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.02	24.0	PASS
Band2	5MHz	QPSK	19175	12RB#13	21.93	24.0	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.95	24.0	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.08	24.0	PASS

Band2	5MHz	16QAM	18625	1RB#12	22.29	24.0	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.20	24.0	PASS
Band2	5MHz	16QAM	18625	12RB#0	21.13	24.0	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.15	24.0	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.11	24.0	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.17	24.0	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.24	24.0	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.36	24.0	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.29	24.0	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.36	24.0	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.35	24.0	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.30	24.0	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.45	24.0	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.91	24.0	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.04	24.0	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.85	24.0	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.94	24.0	PASS
Band2	5MHz	16QAM	19175	12RB#6	20.95	24.0	PASS
Band2	5MHz	16QAM	19175	12RB#13	20.91	24.0	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.04	24.0	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.10	24.0	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.41	24.0	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.29	24.0	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.30	24.0	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.31	24.0	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.44	24.0	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.33	24.0	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.35	24.0	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.39	24.0	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.33	24.0	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.39	24.0	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.40	24.0	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.33	24.0	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.41	24.0	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.00	24.0	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.09	24.0	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.94	24.0	PASS

Band2	10MHz	QPSK	19150	25RB#0	22.05	24.0	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.06	24.0	PASS
Band2	10MHz	QPSK	19150	25RB#25	21.97	24.0	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.99	24.0	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.30	24.0	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.56	24.0	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.51	24.0	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.32	24.0	PASS
Band2	10MHz	16QAM	18650	25RB#12	21.27	24.0	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.49	24.0	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.33	24.0	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.51	24.0	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.59	24.0	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.47	24.0	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.35	24.0	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.42	24.0	PASS
Band2	10MHz	16QAM	18900	25RB#25	21.38	24.0	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.40	24.0	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.16	24.0	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.23	24.0	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.15	24.0	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.04	24.0	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.07	24.0	PASS
Band2	10MHz	16QAM	19150	25RB#25	20.98	24.0	PASS
Band2	10MHz	16QAM	19150	50RB#0	20.96	24.0	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.07	24.0	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.30	24.0	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.21	24.0	PASS
Band2	15MHz	QPSK	18675	38RB#0	22.36	24.0	PASS
Band2	15MHz	QPSK	18675	38RB#18	22.35	24.0	PASS
Band2	15MHz	QPSK	18675	38RB#37	22.44	24.0	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.33	24.0	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.24	24.0	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.26	24.0	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.16	24.0	PASS
Band2	15MHz	QPSK	18900	38RB#0	22.41	24.0	PASS
Band2	15MHz	QPSK	18900	38RB#18	22.40	24.0	PASS

Band2	15MHz	QPSK	18900	38RB#37	22.39	24.0	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.42	24.0	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.06	24.0	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.98	24.0	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.78	24.0	PASS
Band2	15MHz	QPSK	19125	38RB#0	22.09	24.0	PASS
Band2	15MHz	QPSK	19125	38RB#18	22.12	24.0	PASS
Band2	15MHz	QPSK	19125	38RB#37	22.08	24.0	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.05	24.0	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.29	24.0	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.48	24.0	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.35	24.0	PASS
Band2	15MHz	16QAM	18675	38RB#0	22.38	24.0	PASS
Band2	15MHz	16QAM	18675	38RB#18	22.38	24.0	PASS
Band2	15MHz	16QAM	18675	38RB#37	22.37	24.0	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.28	24.0	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.41	24.0	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.48	24.0	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.34	24.0	PASS
Band2	15MHz	16QAM	18900	38RB#0	22.40	24.0	PASS
Band2	15MHz	16QAM	18900	38RB#18	22.36	24.0	PASS
Band2	15MHz	16QAM	18900	38RB#37	22.38	24.0	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.35	24.0	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.25	24.0	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.20	24.0	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.93	24.0	PASS
Band2	15MHz	16QAM	19125	38RB#0	22.08	24.0	PASS
Band2	15MHz	16QAM	19125	38RB#18	22.11	24.0	PASS
Band2	15MHz	16QAM	19125	38RB#37	22.10	24.0	PASS
Band2	15MHz	16QAM	19125	75RB#0	20.98	24.0	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.06	24.0	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.75	24.0	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.14	24.0	PASS
Band2	20MHz	QPSK	18700	50RB#0	22.32	24.0	PASS
Band2	20MHz	QPSK	18700	50RB#25	22.31	24.0	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.46	24.0	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.38	24.0	PASS

Band2	20MHz	QPSK	18900	1RB#0	23.20	24.0	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.48	24.0	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.04	24.0	PASS
Band2	20MHz	QPSK	18900	50RB#0	22.41	24.0	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.47	24.0	PASS
Band2	20MHz	QPSK	18900	50RB#50	22.32	24.0	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.39	24.0	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.00	24.0	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.19	24.0	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.72	24.0	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.25	24.0	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.25	24.0	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.91	24.0	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.07	24.0	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.09	24.0	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.58	24.0	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.12	24.0	PASS
Band2	20MHz	16QAM	18700	50RB#0	21.36	24.0	PASS
Band2	20MHz	16QAM	18700	50RB#25	21.32	24.0	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.45	24.0	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.37	24.0	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.34	24.0	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.64	24.0	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.25	24.0	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.46	24.0	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.46	24.0	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.38	24.0	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.38	24.0	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.09	24.0	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.28	24.0	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.73	24.0	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.30	24.0	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.30	24.0	PASS
Band2	20MHz	16QAM	19100	50RB#50	20.99	24.0	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.16	24.0	PASS

FDD-LTE Band 4:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune-up power (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	21.76	22.5	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	21.83	22.5	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	21.84	22.5	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	21.91	22.5	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	21.88	22.5	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	21.94	22.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	20.83	22.5	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	21.64	22.5	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	21.64	22.5	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	21.45	22.5	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	21.57	22.5	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	21.68	22.5	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	21.65	22.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	20.62	22.5	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	21.74	22.5	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	21.83	22.5	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	21.72	22.5	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	21.71	22.5	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	21.75	22.5	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	21.82	22.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	20.76	22.5	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	20.99	22.5	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.20	22.5	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	20.95	22.5	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	20.84	22.5	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	20.83	22.5	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	20.85	22.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	19.80	22.5	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	20.72	22.5	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	20.82	22.5	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	20.72	22.5	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	20.53	22.5	PASS

Band4	1.4MHz	16QAM	20175	3RB#1	20.54	22.5	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	20.51	22.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	19.67	22.5	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	20.82	22.5	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.05	22.5	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	20.87	22.5	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	20.69	22.5	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	20.72	22.5	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	20.79	22.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	19.68	22.5	PASS
Band4	3MHz	QPSK	19965	1RB#0	21.84	22.5	PASS
Band4	3MHz	QPSK	19965	1RB#8	21.90	22.5	PASS
Band4	3MHz	QPSK	19965	1RB#14	21.87	22.5	PASS
Band4	3MHz	QPSK	19965	8RB#0	20.87	22.5	PASS
Band4	3MHz	QPSK	19965	8RB#4	20.86	22.5	PASS
Band4	3MHz	QPSK	19965	8RB#7	20.89	22.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	20.87	22.5	PASS
Band4	3MHz	QPSK	20175	1RB#0	21.61	22.5	PASS
Band4	3MHz	QPSK	20175	1RB#8	21.58	22.5	PASS
Band4	3MHz	QPSK	20175	1RB#14	21.57	22.5	PASS
Band4	3MHz	QPSK	20175	8RB#0	20.66	22.5	PASS
Band4	3MHz	QPSK	20175	8RB#4	20.64	22.5	PASS
Band4	3MHz	QPSK	20175	8RB#7	20.61	22.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	20.62	22.5	PASS
Band4	3MHz	QPSK	20385	1RB#0	21.67	22.5	PASS
Band4	3MHz	QPSK	20385	1RB#8	21.71	22.5	PASS
Band4	3MHz	QPSK	20385	1RB#14	21.74	22.5	PASS
Band4	3MHz	QPSK	20385	8RB#0	20.71	22.5	PASS
Band4	3MHz	QPSK	20385	8RB#4	20.71	22.5	PASS
Band4	3MHz	QPSK	20385	8RB#7	20.72	22.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	20.72	22.5	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.13	22.5	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.10	22.5	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.10	22.5	PASS
Band4	3MHz	16QAM	19965	8RB#0	19.97	22.5	PASS
Band4	3MHz	16QAM	19965	8RB#4	19.96	22.5	PASS
Band4	3MHz	16QAM	19965	8RB#7	19.94	22.5	PASS

Band4	3MHz	16QAM	19965	15RB#0	19.97	22.5	PASS
Band4	3MHz	16QAM	20175	1RB#0	20.90	22.5	PASS
Band4	3MHz	16QAM	20175	1RB#8	20.77	22.5	PASS
Band4	3MHz	16QAM	20175	1RB#14	20.78	22.5	PASS
Band4	3MHz	16QAM	20175	8RB#0	19.73	22.5	PASS
Band4	3MHz	16QAM	20175	8RB#4	19.71	22.5	PASS
Band4	3MHz	16QAM	20175	8RB#7	19.68	22.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	19.61	22.5	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.96	22.5	PASS
Band4	3MHz	16QAM	20385	1RB#8	20.89	22.5	PASS
Band4	3MHz	16QAM	20385	1RB#14	20.93	22.5	PASS
Band4	3MHz	16QAM	20385	8RB#0	19.70	22.5	PASS
Band4	3MHz	16QAM	20385	8RB#4	19.77	22.5	PASS
Band4	3MHz	16QAM	20385	8RB#7	19.75	22.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	19.65	22.5	PASS
Band4	5MHz	QPSK	19975	1RB#0	21.84	22.5	PASS
Band4	5MHz	QPSK	19975	1RB#12	21.96	22.5	PASS
Band4	5MHz	QPSK	19975	1RB#24	21.88	22.5	PASS
Band4	5MHz	QPSK	19975	12RB#0	20.90	22.5	PASS
Band4	5MHz	QPSK	19975	12RB#6	20.89	22.5	PASS
Band4	5MHz	QPSK	19975	12RB#13	20.95	22.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	20.95	22.5	PASS
Band4	5MHz	QPSK	20175	1RB#0	21.68	22.5	PASS
Band4	5MHz	QPSK	20175	1RB#12	21.70	22.5	PASS
Band4	5MHz	QPSK	20175	1RB#24	21.48	22.5	PASS
Band4	5MHz	QPSK	20175	12RB#0	20.68	22.5	PASS
Band4	5MHz	QPSK	20175	12RB#6	20.69	22.5	PASS
Band4	5MHz	QPSK	20175	12RB#13	20.55	22.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	20.64	22.5	PASS
Band4	5MHz	QPSK	20375	1RB#0	21.54	22.5	PASS
Band4	5MHz	QPSK	20375	1RB#12	21.80	22.5	PASS
Band4	5MHz	QPSK	20375	1RB#24	21.75	22.5	PASS
Band4	5MHz	QPSK	20375	12RB#0	20.71	22.5	PASS
Band4	5MHz	QPSK	20375	12RB#6	20.67	22.5	PASS
Band4	5MHz	QPSK	20375	12RB#13	20.78	22.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	20.75	22.5	PASS
Band4	5MHz	16QAM	19975	1RB#0	20.88	22.5	PASS

Band4	5MHz	16QAM	19975	1RB#12	21.04	22.5	PASS
Band4	5MHz	16QAM	19975	1RB#24	20.95	22.5	PASS
Band4	5MHz	16QAM	19975	12RB#0	19.89	22.5	PASS
Band4	5MHz	16QAM	19975	12RB#6	19.90	22.5	PASS
Band4	5MHz	16QAM	19975	12RB#13	19.95	22.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.00	22.5	PASS
Band4	5MHz	16QAM	20175	1RB#0	20.73	22.5	PASS
Band4	5MHz	16QAM	20175	1RB#12	20.72	22.5	PASS
Band4	5MHz	16QAM	20175	1RB#24	20.51	22.5	PASS
Band4	5MHz	16QAM	20175	12RB#0	19.68	22.5	PASS
Band4	5MHz	16QAM	20175	12RB#6	19.68	22.5	PASS
Band4	5MHz	16QAM	20175	12RB#13	19.57	22.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	19.69	22.5	PASS
Band4	5MHz	16QAM	20375	1RB#0	20.79	22.5	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.03	22.5	PASS
Band4	5MHz	16QAM	20375	1RB#24	20.96	22.5	PASS
Band4	5MHz	16QAM	20375	12RB#0	19.72	22.5	PASS
Band4	5MHz	16QAM	20375	12RB#6	19.71	22.5	PASS
Band4	5MHz	16QAM	20375	12RB#13	19.83	22.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	19.77	22.5	PASS
Band4	10MHz	QPSK	20000	1RB#0	21.81	22.5	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.04	22.5	PASS
Band4	10MHz	QPSK	20000	1RB#49	21.98	22.5	PASS
Band4	10MHz	QPSK	20000	25RB#0	20.98	22.5	PASS
Band4	10MHz	QPSK	20000	25RB#12	20.93	22.5	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.13	22.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.05	22.5	PASS
Band4	10MHz	QPSK	20175	1RB#0	21.76	22.5	PASS
Band4	10MHz	QPSK	20175	1RB#24	21.65	22.5	PASS
Band4	10MHz	QPSK	20175	1RB#49	21.37	22.5	PASS
Band4	10MHz	QPSK	20175	25RB#0	20.78	22.5	PASS
Band4	10MHz	QPSK	20175	25RB#12	20.74	22.5	PASS
Band4	10MHz	QPSK	20175	25RB#25	20.53	22.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	20.65	22.5	PASS
Band4	10MHz	QPSK	20350	1RB#0	21.41	22.5	PASS
Band4	10MHz	QPSK	20350	1RB#24	21.59	22.5	PASS
Band4	10MHz	QPSK	20350	1RB#49	21.69	22.5	PASS

Band4	10MHz	QPSK	20350	25RB#0	20.52	22.5	PASS
Band4	10MHz	QPSK	20350	25RB#12	20.55	22.5	PASS
Band4	10MHz	QPSK	20350	25RB#25	20.70	22.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	20.65	22.5	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.10	22.5	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.27	22.5	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.24	22.5	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.03	22.5	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.02	22.5	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.13	22.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.07	22.5	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.02	22.5	PASS
Band4	10MHz	16QAM	20175	1RB#24	20.97	22.5	PASS
Band4	10MHz	16QAM	20175	1RB#49	20.57	22.5	PASS
Band4	10MHz	16QAM	20175	25RB#0	19.77	22.5	PASS
Band4	10MHz	16QAM	20175	25RB#12	19.77	22.5	PASS
Band4	10MHz	16QAM	20175	25RB#25	19.55	22.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	19.64	22.5	PASS
Band4	10MHz	16QAM	20350	1RB#0	20.63	22.5	PASS
Band4	10MHz	16QAM	20350	1RB#24	20.85	22.5	PASS
Band4	10MHz	16QAM	20350	1RB#49	20.93	22.5	PASS
Band4	10MHz	16QAM	20350	25RB#0	19.56	22.5	PASS
Band4	10MHz	16QAM	20350	25RB#12	19.60	22.5	PASS
Band4	10MHz	16QAM	20350	25RB#25	19.80	22.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	19.72	22.5	PASS
Band4	15MHz	QPSK	20025	1RB#0	21.80	22.5	PASS
Band4	15MHz	QPSK	20025	1RB#38	21.99	22.5	PASS
Band4	15MHz	QPSK	20025	1RB#74	21.84	22.5	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.08	22.5	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.04	22.5	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.06	22.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.09	22.5	PASS
Band4	15MHz	QPSK	20175	1RB#0	21.82	22.5	PASS
Band4	15MHz	QPSK	20175	1RB#38	21.63	22.5	PASS
Band4	15MHz	QPSK	20175	1RB#74	21.26	22.5	PASS
Band4	15MHz	QPSK	20175	38RB#0	20.72	22.5	PASS
Band4	15MHz	QPSK	20175	38RB#18	20.73	22.5	PASS

Band4	15MHz	QPSK	20175	38RB#37	20.69	22.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	20.72	22.5	PASS
Band4	15MHz	QPSK	20325	1RB#0	21.55	22.5	PASS
Band4	15MHz	QPSK	20325	1RB#38	21.66	22.5	PASS
Band4	15MHz	QPSK	20325	1RB#74	21.76	22.5	PASS
Band4	15MHz	QPSK	20325	38RB#0	20.82	22.5	PASS
Band4	15MHz	QPSK	20325	38RB#18	20.79	22.5	PASS
Band4	15MHz	QPSK	20325	38RB#37	20.74	22.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	20.75	22.5	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.05	22.5	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.22	22.5	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.12	22.5	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.08	22.5	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.09	22.5	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.04	22.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.04	22.5	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.05	22.5	PASS
Band4	15MHz	16QAM	20175	1RB#38	20.86	22.5	PASS
Band4	15MHz	16QAM	20175	1RB#74	20.47	22.5	PASS
Band4	15MHz	16QAM	20175	38RB#0	20.66	22.5	PASS
Band4	15MHz	16QAM	20175	38RB#18	20.72	22.5	PASS
Band4	15MHz	16QAM	20175	38RB#37	20.70	22.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	19.66	22.5	PASS
Band4	15MHz	16QAM	20325	1RB#0	20.74	22.5	PASS
Band4	15MHz	16QAM	20325	1RB#38	20.91	22.5	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.04	22.5	PASS
Band4	15MHz	16QAM	20325	38RB#0	20.76	22.5	PASS
Band4	15MHz	16QAM	20325	38RB#18	20.76	22.5	PASS
Band4	15MHz	16QAM	20325	38RB#37	20.75	22.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	19.69	22.5	PASS
Band4	20MHz	QPSK	20050	1RB#0	21.61	22.5	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.10	22.5	PASS
Band4	20MHz	QPSK	20050	1RB#99	21.52	22.5	PASS
Band4	20MHz	QPSK	20050	50RB#0	20.82	22.5	PASS
Band4	20MHz	QPSK	20050	50RB#25	20.82	22.5	PASS
Band4	20MHz	QPSK	20050	50RB#50	20.96	22.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	20.93	22.5	PASS

Band4	20MHz	QPSK	20175	1RB#0	21.78	22.5	PASS
Band4	20MHz	QPSK	20175	1RB#49	21.78	22.5	PASS
Band4	20MHz	QPSK	20175	1RB#99	21.20	22.5	PASS
Band4	20MHz	QPSK	20175	50RB#0	20.86	22.5	PASS
Band4	20MHz	QPSK	20175	50RB#25	20.84	22.5	PASS
Band4	20MHz	QPSK	20175	50RB#50	20.48	22.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	20.67	22.5	PASS
Band4	20MHz	QPSK	20300	1RB#0	21.51	22.5	PASS
Band4	20MHz	QPSK	20300	1RB#49	21.74	22.5	PASS
Band4	20MHz	QPSK	20300	1RB#99	21.70	22.5	PASS
Band4	20MHz	QPSK	20300	50RB#0	20.73	22.5	PASS
Band4	20MHz	QPSK	20300	50RB#25	20.76	22.5	PASS
Band4	20MHz	QPSK	20300	50RB#50	20.76	22.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	20.78	22.5	PASS
Band4	20MHz	16QAM	20050	1RB#0	20.66	22.5	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.18	22.5	PASS
Band4	20MHz	16QAM	20050	1RB#99	20.59	22.5	PASS
Band4	20MHz	16QAM	20050	50RB#0	19.89	22.5	PASS
Band4	20MHz	16QAM	20050	50RB#25	19.83	22.5	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.04	22.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	19.95	22.5	PASS
Band4	20MHz	16QAM	20175	1RB#0	20.87	22.5	PASS
Band4	20MHz	16QAM	20175	1RB#49	20.93	22.5	PASS
Band4	20MHz	16QAM	20175	1RB#99	20.19	22.5	PASS
Band4	20MHz	16QAM	20175	50RB#0	19.81	22.5	PASS
Band4	20MHz	16QAM	20175	50RB#25	19.89	22.5	PASS
Band4	20MHz	16QAM	20175	50RB#50	19.49	22.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	19.69	22.5	PASS
Band4	20MHz	16QAM	20300	1RB#0	20.55	22.5	PASS
Band4	20MHz	16QAM	20300	1RB#49	20.85	22.5	PASS
Band4	20MHz	16QAM	20300	1RB#99	20.75	22.5	PASS
Band4	20MHz	16QAM	20300	50RB#0	19.76	22.5	PASS
Band4	20MHz	16QAM	20300	50RB#25	19.80	22.5	PASS
Band4	20MHz	16QAM	20300	50RB#50	19.82	22.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	19.76	22.5	PASS

FDD-LTE Band 5:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune-up power (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.67	23.5	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.82	23.5	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.67	23.5	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.82	23.5	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.76	23.5	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.79	23.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.75	23.5	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.92	23.5	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.95	23.5	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.87	23.5	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.99	23.5	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.98	23.5	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.98	23.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.94	23.5	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.10	23.5	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.19	23.5	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.10	23.5	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.25	23.5	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.21	23.5	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.28	23.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.17	23.5	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.89	23.5	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.00	23.5	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.95	23.5	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.72	23.5	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.72	23.5	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.70	23.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.81	23.5	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.10	23.5	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.21	23.5	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.09	23.5	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.88	23.5	PASS

Band5	1.4MHz	16QAM	20525	3RB#1	21.90	23.5	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.92	23.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.02	23.5	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.30	23.5	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.41	23.5	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.34	23.5	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.16	23.5	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.14	23.5	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.15	23.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.13	23.5	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.69	23.5	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.72	23.5	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.75	23.5	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.74	23.5	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.74	23.5	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.78	23.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.72	23.5	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.90	23.5	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.91	23.5	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.00	23.5	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.97	23.5	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.97	23.5	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.97	23.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.93	23.5	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.19	23.5	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.12	23.5	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.14	23.5	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.21	23.5	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.20	23.5	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.17	23.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.21	23.5	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.00	23.5	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.99	23.5	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.92	23.5	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.85	23.5	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.83	23.5	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.81	23.5	PASS

Band5	3MHz	16QAM	20415	15RB#0	20.73	23.5	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.17	23.5	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.12	23.5	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.15	23.5	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.05	23.5	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.04	23.5	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.02	23.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.01	23.5	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.35	23.5	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.33	23.5	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.32	23.5	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.25	23.5	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.25	23.5	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.20	23.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.14	23.5	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.73	23.5	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.87	23.5	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.74	23.5	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.78	23.5	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.79	23.5	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.74	23.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.79	23.5	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.93	23.5	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.00	23.5	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.95	23.5	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.00	23.5	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.01	23.5	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.01	23.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.98	23.5	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.12	23.5	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.26	23.5	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.14	23.5	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.19	23.5	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.19	23.5	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.18	23.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.17	23.5	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.80	23.5	PASS

Band5	5MHz	16QAM	20425	1RB#12	21.97	23.5	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.81	23.5	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.74	23.5	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.82	23.5	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.79	23.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.86	23.5	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.90	23.5	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.09	23.5	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.01	23.5	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.99	23.5	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.98	23.5	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.99	23.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.00	23.5	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.33	23.5	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.50	23.5	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.35	23.5	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.20	23.5	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.22	23.5	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.20	23.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.16	23.5	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.75	23.5	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.90	23.5	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.86	23.5	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.89	23.5	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.90	23.5	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.01	23.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.91	23.5	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.87	23.5	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.04	23.5	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.01	23.5	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.00	23.5	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.00	23.5	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.01	23.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.02	23.5	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.04	23.5	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.12	23.5	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.31	23.5	PASS

Band5	10MHz	QPSK	20600	25RB#0	22.15	23.5	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.15	23.5	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.13	23.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.13	23.5	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.98	23.5	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.12	23.5	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.02	23.5	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.88	23.5	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.85	23.5	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.99	23.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.88	23.5	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.04	23.5	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.31	23.5	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.27	23.5	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.04	23.5	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.01	23.5	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.08	23.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.04	23.5	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.22	23.5	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.45	23.5	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.39	23.5	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.21	23.5	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.26	23.5	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.17	23.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.20	23.5	PASS

FDD-LTE Band 12:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune-up power (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.30	23.0	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.38	23.0	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.42	23.0	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.34	23.0	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.35	23.0	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.43	23.0	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.33	23.0	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.49	23.0	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.56	23.0	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.50	23.0	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.61	23.0	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.59	23.0	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.60	23.0	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.57	23.0	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.45	23.0	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.56	23.0	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.44	23.0	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.52	23.0	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.53	23.0	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.55	23.0	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.49	23.0	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.42	23.0	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	21.64	23.0	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	21.50	23.0	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.29	23.0	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.29	23.0	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.32	23.0	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.30	23.0	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.68	23.0	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	21.90	23.0	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	21.64	23.0	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.49	23.0	PASS

Band12	1.4MHz	16QAM	23095	3RB#1	21.53	23.0	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.46	23.0	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.63	23.0	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.58	23.0	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	21.77	23.0	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.54	23.0	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.43	23.0	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.45	23.0	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.38	23.0	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.46	23.0	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.23	23.0	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.39	23.0	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.50	23.0	PASS
Band12	3MHz	QPSK	23025	8RB#0	21.26	23.0	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.30	23.0	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.46	23.0	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.35	23.0	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.57	23.0	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.58	23.0	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.55	23.0	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.56	23.0	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.57	23.0	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.50	23.0	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.52	23.0	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.60	23.0	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.47	23.0	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.47	23.0	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.48	23.0	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.53	23.0	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.48	23.0	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.42	23.0	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.44	23.0	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.53	23.0	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.60	23.0	PASS
Band12	3MHz	16QAM	23025	8RB#0	20.40	23.0	PASS
Band12	3MHz	16QAM	23025	8RB#4	20.40	23.0	PASS
Band12	3MHz	16QAM	23025	8RB#7	20.51	23.0	PASS

Band12	3MHz	16QAM	23025	15RB#0	20.44	23.0	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.77	23.0	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.68	23.0	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.73	23.0	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.62	23.0	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.64	23.0	PASS
Band12	3MHz	16QAM	23095	8RB#7	20.59	23.0	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.50	23.0	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.48	23.0	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.36	23.0	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.40	23.0	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.55	23.0	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.54	23.0	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.52	23.0	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.45	23.0	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.38	23.0	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.55	23.0	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.52	23.0	PASS
Band12	5MHz	QPSK	23035	12RB#0	21.34	23.0	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.31	23.0	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.53	23.0	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.44	23.0	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.58	23.0	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.68	23.0	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.52	23.0	PASS
Band12	5MHz	QPSK	23095	12RB#0	21.57	23.0	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.58	23.0	PASS
Band12	5MHz	QPSK	23095	12RB#13	21.52	23.0	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.58	23.0	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.58	23.0	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.65	23.0	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.47	23.0	PASS
Band12	5MHz	QPSK	23155	12RB#0	21.57	23.0	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.52	23.0	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.50	23.0	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.51	23.0	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.32	23.0	PASS

Band12	5MHz	16QAM	23035	1RB#12	21.55	23.0	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.50	23.0	PASS
Band12	5MHz	16QAM	23035	12RB#0	20.37	23.0	PASS
Band12	5MHz	16QAM	23035	12RB#6	20.34	23.0	PASS
Band12	5MHz	16QAM	23035	12RB#13	20.54	23.0	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.52	23.0	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.73	23.0	PASS
Band12	5MHz	16QAM	23095	1RB#12	21.82	23.0	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.75	23.0	PASS
Band12	5MHz	16QAM	23095	12RB#0	20.66	23.0	PASS
Band12	5MHz	16QAM	23095	12RB#6	20.66	23.0	PASS
Band12	5MHz	16QAM	23095	12RB#13	20.62	23.0	PASS
Band12	5MHz	16QAM	23095	25RB#0	20.60	23.0	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.58	23.0	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.66	23.0	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.53	23.0	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.59	23.0	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.62	23.0	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.55	23.0	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.62	23.0	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.34	23.0	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.55	23.0	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.50	23.0	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.34	23.0	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.39	23.0	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.49	23.0	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.47	23.0	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.51	23.0	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.59	23.0	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.58	23.0	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.63	23.0	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.65	23.0	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.61	23.0	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.60	23.0	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.66	23.0	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.70	23.0	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.52	23.0	PASS

Band12	10MHz	QPSK	23130	25RB#0	21.78	23.0	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.80	23.0	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.64	23.0	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.66	23.0	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.47	23.0	PASS
Band12	10MHz	16QAM	23060	1RB#24	21.78	23.0	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.70	23.0	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.41	23.0	PASS
Band12	10MHz	16QAM	23060	25RB#12	20.41	23.0	PASS
Band12	10MHz	16QAM	23060	25RB#25	20.50	23.0	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.44	23.0	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.68	23.0	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.72	23.0	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.78	23.0	PASS
Band12	10MHz	16QAM	23095	25RB#0	20.71	23.0	PASS
Band12	10MHz	16QAM	23095	25RB#12	20.72	23.0	PASS
Band12	10MHz	16QAM	23095	25RB#25	20.67	23.0	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.71	23.0	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.55	23.0	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.61	23.0	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.48	23.0	PASS
Band12	10MHz	16QAM	23130	25RB#0	20.87	23.0	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.91	23.0	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.73	23.0	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.73	23.0	PASS

FDD-LTE Band 13:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune-up power (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	22.90	23.0	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.93	23.0	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.83	23.0	PASS
Band13	5MHz	QPSK	23205	12RB#0	21.86	23.0	PASS
Band13	5MHz	QPSK	23205	12RB#6	21.90	23.0	PASS
Band13	5MHz	QPSK	23205	12RB#13	21.87	23.0	PASS
Band13	5MHz	QPSK	23205	25RB#0	21.87	23.0	PASS
Band13	5MHz	QPSK	23230	1RB#0	22.86	23.0	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.88	23.0	PASS
Band13	5MHz	QPSK	23230	1RB#24	22.77	23.0	PASS
Band13	5MHz	QPSK	23230	12RB#0	21.89	23.0	PASS
Band13	5MHz	QPSK	23230	12RB#6	21.87	23.0	PASS
Band13	5MHz	QPSK	23230	12RB#13	21.81	23.0	PASS
Band13	5MHz	QPSK	23230	25RB#0	21.90	23.0	PASS
Band13	5MHz	QPSK	23255	1RB#0	22.82	23.0	PASS
Band13	5MHz	QPSK	23255	1RB#12	22.89	23.0	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.79	23.0	PASS
Band13	5MHz	QPSK	23255	12RB#0	21.79	23.0	PASS
Band13	5MHz	QPSK	23255	12RB#6	21.83	23.0	PASS
Band13	5MHz	QPSK	23255	12RB#13	21.78	23.0	PASS
Band13	5MHz	QPSK	23255	25RB#0	21.87	23.0	PASS
Band13	5MHz	16QAM	23205	1RB#0	21.91	23.0	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.01	23.0	PASS
Band13	5MHz	16QAM	23205	1RB#24	21.84	23.0	PASS
Band13	5MHz	16QAM	23205	12RB#0	20.85	23.0	PASS
Band13	5MHz	16QAM	23205	12RB#6	20.88	23.0	PASS
Band13	5MHz	16QAM	23205	12RB#13	20.85	23.0	PASS
Band13	5MHz	16QAM	23205	25RB#0	20.93	23.0	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.01	23.0	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.14	23.0	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.03	23.0	PASS
Band13	5MHz	16QAM	23230	12RB#0	20.89	23.0	PASS

Band13	5MHz	16QAM	23230	12RB#6	20.90	23.0	PASS
Band13	5MHz	16QAM	23230	12RB#13	20.87	23.0	PASS
Band13	5MHz	16QAM	23230	25RB#0	20.87	23.0	PASS
Band13	5MHz	16QAM	23255	1RB#0	21.88	23.0	PASS
Band13	5MHz	16QAM	23255	1RB#12	21.89	23.0	PASS
Band13	5MHz	16QAM	23255	1RB#24	21.78	23.0	PASS
Band13	5MHz	16QAM	23255	12RB#0	20.87	23.0	PASS
Band13	5MHz	16QAM	23255	12RB#6	20.87	23.0	PASS
Band13	5MHz	16QAM	23255	12RB#13	20.79	23.0	PASS
Band13	5MHz	16QAM	23255	25RB#0	20.93	23.0	PASS
Band13	10MHz	QPSK	23230	1RB#0	22.89	23.0	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.99	23.0	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.69	23.0	PASS
Band13	10MHz	QPSK	23230	25RB#0	21.91	23.0	PASS
Band13	10MHz	QPSK	23230	25RB#12	21.96	23.0	PASS
Band13	10MHz	QPSK	23230	25RB#25	21.83	23.0	PASS
Band13	10MHz	QPSK	23230	50RB#0	21.91	23.0	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.11	23.0	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.18	23.0	PASS
Band13	10MHz	16QAM	23230	1RB#49	21.88	23.0	PASS
Band13	10MHz	16QAM	23230	25RB#0	20.91	23.0	PASS
Band13	10MHz	16QAM	23230	25RB#12	20.97	23.0	PASS
Band13	10MHz	16QAM	23230	25RB#25	20.85	23.0	PASS
Band13	10MHz	16QAM	23230	50RB#0	20.90	23.0	PASS

FDD-LTE Band 17:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune-up power (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	22.41	23.0	PASS
Band17	5MHz	QPSK	23755	1RB#12	22.56	23.0	PASS
Band17	5MHz	QPSK	23755	1RB#24	22.47	23.0	PASS
Band17	5MHz	QPSK	23755	12RB#0	21.43	23.0	PASS
Band17	5MHz	QPSK	23755	12RB#6	21.49	23.0	PASS
Band17	5MHz	QPSK	23755	12RB#13	21.38	23.0	PASS
Band17	5MHz	QPSK	23755	25RB#0	21.44	23.0	PASS
Band17	5MHz	QPSK	23790	1RB#0	22.55	23.0	PASS
Band17	5MHz	QPSK	23790	1RB#12	22.62	23.0	PASS
Band17	5MHz	QPSK	23790	1RB#24	22.44	23.0	PASS
Band17	5MHz	QPSK	23790	12RB#0	21.59	23.0	PASS
Band17	5MHz	QPSK	23790	12RB#6	21.61	23.0	PASS
Band17	5MHz	QPSK	23790	12RB#13	21.60	23.0	PASS
Band17	5MHz	QPSK	23790	25RB#0	21.57	23.0	PASS
Band17	5MHz	QPSK	23825	1RB#0	22.53	23.0	PASS
Band17	5MHz	QPSK	23825	1RB#12	22.59	23.0	PASS
Band17	5MHz	QPSK	23825	1RB#24	22.35	23.0	PASS
Band17	5MHz	QPSK	23825	12RB#0	21.44	23.0	PASS
Band17	5MHz	QPSK	23825	12RB#6	21.46	23.0	PASS
Band17	5MHz	QPSK	23825	12RB#13	21.42	23.0	PASS
Band17	5MHz	QPSK	23825	25RB#0	21.44	23.0	PASS
Band17	5MHz	16QAM	23755	1RB#0	21.39	23.0	PASS
Band17	5MHz	16QAM	23755	1RB#12	21.51	23.0	PASS
Band17	5MHz	16QAM	23755	1RB#24	21.45	23.0	PASS
Band17	5MHz	16QAM	23755	12RB#0	20.47	23.0	PASS
Band17	5MHz	16QAM	23755	12RB#6	20.46	23.0	PASS
Band17	5MHz	16QAM	23755	12RB#13	20.42	23.0	PASS
Band17	5MHz	16QAM	23755	25RB#0	20.54	23.0	PASS
Band17	5MHz	16QAM	23790	1RB#0	21.72	23.0	PASS
Band17	5MHz	16QAM	23790	1RB#12	21.81	23.0	PASS
Band17	5MHz	16QAM	23790	1RB#24	21.66	23.0	PASS
Band17	5MHz	16QAM	23790	12RB#0	20.63	23.0	PASS

Band17	5MHz	16QAM	23790	12RB#6	20.65	23.0	PASS
Band17	5MHz	16QAM	23790	12RB#13	20.67	23.0	PASS
Band17	5MHz	16QAM	23790	25RB#0	20.63	23.0	PASS
Band17	5MHz	16QAM	23825	1RB#0	21.54	23.0	PASS
Band17	5MHz	16QAM	23825	1RB#12	21.62	23.0	PASS
Band17	5MHz	16QAM	23825	1RB#24	21.34	23.0	PASS
Band17	5MHz	16QAM	23825	12RB#0	20.47	23.0	PASS
Band17	5MHz	16QAM	23825	12RB#6	20.51	23.0	PASS
Band17	5MHz	16QAM	23825	12RB#13	20.45	23.0	PASS
Band17	5MHz	16QAM	23825	25RB#0	20.55	23.0	PASS
Band17	10MHz	QPSK	23780	1RB#0	22.40	23.0	PASS
Band17	10MHz	QPSK	23780	1RB#24	22.65	23.0	PASS
Band17	10MHz	QPSK	23780	1RB#49	22.37	23.0	PASS
Band17	10MHz	QPSK	23780	25RB#0	21.61	23.0	PASS
Band17	10MHz	QPSK	23780	25RB#12	21.65	23.0	PASS
Band17	10MHz	QPSK	23780	25RB#25	21.53	23.0	PASS
Band17	10MHz	QPSK	23780	50RB#0	21.58	23.0	PASS
Band17	10MHz	QPSK	23790	1RB#0	22.42	23.0	PASS
Band17	10MHz	QPSK	23790	1RB#24	22.60	23.0	PASS
Band17	10MHz	QPSK	23790	1RB#49	22.40	23.0	PASS
Band17	10MHz	QPSK	23790	25RB#0	21.62	23.0	PASS
Band17	10MHz	QPSK	23790	25RB#12	21.64	23.0	PASS
Band17	10MHz	QPSK	23790	25RB#25	21.60	23.0	PASS
Band17	10MHz	QPSK	23790	50RB#0	21.64	23.0	PASS
Band17	10MHz	QPSK	23800	1RB#0	22.53	23.0	PASS
Band17	10MHz	QPSK	23800	1RB#24	22.66	23.0	PASS
Band17	10MHz	QPSK	23800	1RB#49	22.42	23.0	PASS
Band17	10MHz	QPSK	23800	25RB#0	21.71	23.0	PASS
Band17	10MHz	QPSK	23800	25RB#12	21.66	23.0	PASS
Band17	10MHz	QPSK	23800	25RB#25	21.55	23.0	PASS
Band17	10MHz	QPSK	23800	50RB#0	21.59	23.0	PASS
Band17	10MHz	16QAM	23780	1RB#0	21.60	23.0	PASS
Band17	10MHz	16QAM	23780	1RB#24	21.80	23.0	PASS
Band17	10MHz	16QAM	23780	1RB#49	21.53	23.0	PASS
Band17	10MHz	16QAM	23780	25RB#0	20.67	23.0	PASS
Band17	10MHz	16QAM	23780	25RB#12	20.63	23.0	PASS
Band17	10MHz	16QAM	23780	25RB#25	20.60	23.0	PASS

Band17	10MHz	16QAM	23780	50RB#0	20.64	23.0	PASS
Band17	10MHz	16QAM	23790	1RB#0	21.61	23.0	PASS
Band17	10MHz	16QAM	23790	1RB#24	21.77	23.0	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.58	23.0	PASS
Band17	10MHz	16QAM	23790	25RB#0	20.74	23.0	PASS
Band17	10MHz	16QAM	23790	25RB#12	20.74	23.0	PASS
Band17	10MHz	16QAM	23790	25RB#25	20.69	23.0	PASS
Band17	10MHz	16QAM	23790	50RB#0	20.69	23.0	PASS
Band17	10MHz	16QAM	23800	1RB#0	21.43	23.0	PASS
Band17	10MHz	16QAM	23800	1RB#24	21.50	23.0	PASS
Band17	10MHz	16QAM	23800	1RB#49	21.34	23.0	PASS
Band17	10MHz	16QAM	23800	25RB#0	20.79	23.0	PASS
Band17	10MHz	16QAM	23800	25RB#12	20.79	23.0	PASS
Band17	10MHz	16QAM	23800	25RB#25	20.64	23.0	PASS
Band17	10MHz	16QAM	23800	50RB#0	20.68	23.0	PASS

FDD-LTE Band 25:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune-up power (dBm)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	22.85	23.5	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	22.93	23.5	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	22.85	23.5	PASS
Band25	1.4MHz	QPSK	26047	3RB#0	22.95	23.5	PASS
Band25	1.4MHz	QPSK	26047	3RB#1	22.92	23.5	PASS
Band25	1.4MHz	QPSK	26047	3RB#3	23.08	23.5	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	21.92	23.5	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	23.14	23.5	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	23.10	23.5	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	23.08	23.5	PASS
Band25	1.4MHz	QPSK	26365	3RB#0	23.21	23.5	PASS
Band25	1.4MHz	QPSK	26365	3RB#1	23.21	23.5	PASS
Band25	1.4MHz	QPSK	26365	3RB#3	23.22	23.5	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.17	23.5	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	22.84	23.5	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	22.97	23.5	PASS

Band25	1.4MHz	QPSK	26683	1RB#5	22.85	23.5	PASS
Band25	1.4MHz	QPSK	26683	3RB#0	22.92	23.5	PASS
Band25	1.4MHz	QPSK	26683	3RB#1	22.90	23.5	PASS
Band25	1.4MHz	QPSK	26683	3RB#3	22.96	23.5	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	21.92	23.5	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	22.03	23.5	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	22.22	23.5	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	22.09	23.5	PASS
Band25	1.4MHz	16QAM	26047	3RB#0	21.89	23.5	PASS
Band25	1.4MHz	16QAM	26047	3RB#1	21.91	23.5	PASS
Band25	1.4MHz	16QAM	26047	3RB#3	21.96	23.5	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	20.86	23.5	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	22.22	23.5	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	22.39	23.5	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	22.17	23.5	PASS
Band25	1.4MHz	16QAM	26365	3RB#0	22.10	23.5	PASS
Band25	1.4MHz	16QAM	26365	3RB#1	22.11	23.5	PASS
Band25	1.4MHz	16QAM	26365	3RB#3	22.08	23.5	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	21.22	23.5	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	21.97	23.5	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	22.10	23.5	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	21.99	23.5	PASS
Band25	1.4MHz	16QAM	26683	3RB#0	21.89	23.5	PASS
Band25	1.4MHz	16QAM	26683	3RB#1	21.85	23.5	PASS
Band25	1.4MHz	16QAM	26683	3RB#3	21.81	23.5	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	20.81	23.5	PASS
Band25	3MHz	QPSK	26055	1RB#0	22.86	23.5	PASS
Band25	3MHz	QPSK	26055	1RB#8	22.92	23.5	PASS
Band25	3MHz	QPSK	26055	1RB#14	22.99	23.5	PASS
Band25	3MHz	QPSK	26055	8RB#0	21.92	23.5	PASS
Band25	3MHz	QPSK	26055	8RB#4	21.91	23.5	PASS
Band25	3MHz	QPSK	26055	8RB#7	21.97	23.5	PASS
Band25	3MHz	QPSK	26055	15RB#0	21.87	23.5	PASS
Band25	3MHz	QPSK	26365	1RB#0	23.04	23.5	PASS
Band25	3MHz	QPSK	26365	1RB#8	23.11	23.5	PASS
Band25	3MHz	QPSK	26365	1RB#14	23.08	23.5	PASS
Band25	3MHz	QPSK	26365	8RB#0	22.16	23.5	PASS

Band25	3MHz	QPSK	26365	8RB#4	22.17	23.5	PASS
Band25	3MHz	QPSK	26365	8RB#7	22.17	23.5	PASS
Band25	3MHz	QPSK	26365	15RB#0	22.15	23.5	PASS
Band25	3MHz	QPSK	26675	1RB#0	22.85	23.5	PASS
Band25	3MHz	QPSK	26675	1RB#8	22.90	23.5	PASS
Band25	3MHz	QPSK	26675	1RB#14	22.82	23.5	PASS
Band25	3MHz	QPSK	26675	8RB#0	21.93	23.5	PASS
Band25	3MHz	QPSK	26675	8RB#4	21.90	23.5	PASS
Band25	3MHz	QPSK	26675	8RB#7	21.87	23.5	PASS
Band25	3MHz	QPSK	26675	15RB#0	21.84	23.5	PASS
Band25	3MHz	16QAM	26055	1RB#0	22.12	23.5	PASS
Band25	3MHz	16QAM	26055	1RB#8	22.15	23.5	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.16	23.5	PASS
Band25	3MHz	16QAM	26055	8RB#0	20.99	23.5	PASS
Band25	3MHz	16QAM	26055	8RB#4	20.96	23.5	PASS
Band25	3MHz	16QAM	26055	8RB#7	21.01	23.5	PASS
Band25	3MHz	16QAM	26055	15RB#0	20.94	23.5	PASS
Band25	3MHz	16QAM	26365	1RB#0	22.35	23.5	PASS
Band25	3MHz	16QAM	26365	1RB#8	22.31	23.5	PASS
Band25	3MHz	16QAM	26365	1RB#14	22.30	23.5	PASS
Band25	3MHz	16QAM	26365	8RB#0	21.24	23.5	PASS
Band25	3MHz	16QAM	26365	8RB#4	21.24	23.5	PASS
Band25	3MHz	16QAM	26365	8RB#7	21.20	23.5	PASS
Band25	3MHz	16QAM	26365	15RB#0	21.16	23.5	PASS
Band25	3MHz	16QAM	26675	1RB#0	22.04	23.5	PASS
Band25	3MHz	16QAM	26675	1RB#8	22.01	23.5	PASS
Band25	3MHz	16QAM	26675	1RB#14	21.97	23.5	PASS
Band25	3MHz	16QAM	26675	8RB#0	20.91	23.5	PASS
Band25	3MHz	16QAM	26675	8RB#4	20.93	23.5	PASS
Band25	3MHz	16QAM	26675	8RB#7	20.88	23.5	PASS
Band25	3MHz	16QAM	26675	15RB#0	20.83	23.5	PASS
Band25	5MHz	QPSK	26065	1RB#0	22.88	23.5	PASS
Band25	5MHz	QPSK	26065	1RB#12	23.06	23.5	PASS
Band25	5MHz	QPSK	26065	1RB#24	22.99	23.5	PASS
Band25	5MHz	QPSK	26065	12RB#0	21.93	23.5	PASS
Band25	5MHz	QPSK	26065	12RB#6	21.93	23.5	PASS
Band25	5MHz	QPSK	26065	12RB#13	22.02	23.5	PASS

Band25	5MHz	QPSK	26065	25RB#0	22.02	23.5	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.10	23.5	PASS
Band25	5MHz	QPSK	26365	1RB#12	23.18	23.5	PASS
Band25	5MHz	QPSK	26365	1RB#24	23.12	23.5	PASS
Band25	5MHz	QPSK	26365	12RB#0	22.17	23.5	PASS
Band25	5MHz	QPSK	26365	12RB#6	22.19	23.5	PASS
Band25	5MHz	QPSK	26365	12RB#13	22.15	23.5	PASS
Band25	5MHz	QPSK	26365	25RB#0	22.18	23.5	PASS
Band25	5MHz	QPSK	26665	1RB#0	22.84	23.5	PASS
Band25	5MHz	QPSK	26665	1RB#12	22.98	23.5	PASS
Band25	5MHz	QPSK	26665	1RB#24	22.84	23.5	PASS
Band25	5MHz	QPSK	26665	12RB#0	21.94	23.5	PASS
Band25	5MHz	QPSK	26665	12RB#6	21.92	23.5	PASS
Band25	5MHz	QPSK	26665	12RB#13	21.86	23.5	PASS
Band25	5MHz	QPSK	26665	25RB#0	21.95	23.5	PASS
Band25	5MHz	16QAM	26065	1RB#0	21.94	23.5	PASS
Band25	5MHz	16QAM	26065	1RB#12	22.08	23.5	PASS
Band25	5MHz	16QAM	26065	1RB#24	22.10	23.5	PASS
Band25	5MHz	16QAM	26065	12RB#0	20.94	23.5	PASS
Band25	5MHz	16QAM	26065	12RB#6	20.95	23.5	PASS
Band25	5MHz	16QAM	26065	12RB#13	21.01	23.5	PASS
Band25	5MHz	16QAM	26065	25RB#0	21.06	23.5	PASS
Band25	5MHz	16QAM	26365	1RB#0	22.10	23.5	PASS
Band25	5MHz	16QAM	26365	1RB#12	22.24	23.5	PASS
Band25	5MHz	16QAM	26365	1RB#24	22.21	23.5	PASS
Band25	5MHz	16QAM	26365	12RB#0	21.17	23.5	PASS
Band25	5MHz	16QAM	26365	12RB#6	21.22	23.5	PASS
Band25	5MHz	16QAM	26365	12RB#13	21.13	23.5	PASS
Band25	5MHz	16QAM	26365	25RB#0	21.23	23.5	PASS
Band25	5MHz	16QAM	26665	1RB#0	22.04	23.5	PASS
Band25	5MHz	16QAM	26665	1RB#12	22.15	23.5	PASS
Band25	5MHz	16QAM	26665	1RB#24	22.05	23.5	PASS
Band25	5MHz	16QAM	26665	12RB#0	20.98	23.5	PASS
Band25	5MHz	16QAM	26665	12RB#6	20.91	23.5	PASS
Band25	5MHz	16QAM	26665	12RB#13	20.94	23.5	PASS
Band25	5MHz	16QAM	26665	25RB#0	20.89	23.5	PASS
Band25	10MHz	QPSK	26090	1RB#0	22.95	23.5	PASS

Band25	10MHz	QPSK	26090	1RB#24	23.24	23.5	PASS
Band25	10MHz	QPSK	26090	1RB#49	23.07	23.5	PASS
Band25	10MHz	QPSK	26090	25RB#0	22.05	23.5	PASS
Band25	10MHz	QPSK	26090	25RB#12	22.07	23.5	PASS
Band25	10MHz	QPSK	26090	25RB#25	22.17	23.5	PASS
Band25	10MHz	QPSK	26090	50RB#0	22.12	23.5	PASS
Band25	10MHz	QPSK	26365	1RB#0	23.16	23.5	PASS
Band25	10MHz	QPSK	26365	1RB#24	23.21	23.5	PASS
Band25	10MHz	QPSK	26365	1RB#49	23.15	23.5	PASS
Band25	10MHz	QPSK	26365	25RB#0	22.24	23.5	PASS
Band25	10MHz	QPSK	26365	25RB#12	22.22	23.5	PASS
Band25	10MHz	QPSK	26365	25RB#25	22.16	23.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	22.21	23.5	PASS
Band25	10MHz	QPSK	26640	1RB#0	22.83	23.5	PASS
Band25	10MHz	QPSK	26640	1RB#24	22.96	23.5	PASS
Band25	10MHz	QPSK	26640	1RB#49	22.83	23.5	PASS
Band25	10MHz	QPSK	26640	25RB#0	21.97	23.5	PASS
Band25	10MHz	QPSK	26640	25RB#12	21.97	23.5	PASS
Band25	10MHz	QPSK	26640	25RB#25	21.83	23.5	PASS
Band25	10MHz	QPSK	26640	50RB#0	21.86	23.5	PASS
Band25	10MHz	16QAM	26090	1RB#0	22.15	23.5	PASS
Band25	10MHz	16QAM	26090	1RB#24	22.41	23.5	PASS
Band25	10MHz	16QAM	26090	1RB#49	22.32	23.5	PASS
Band25	10MHz	16QAM	26090	25RB#0	21.12	23.5	PASS
Band25	10MHz	16QAM	26090	25RB#12	21.10	23.5	PASS
Band25	10MHz	16QAM	26090	25RB#25	21.27	23.5	PASS
Band25	10MHz	16QAM	26090	50RB#0	21.10	23.5	PASS
Band25	10MHz	16QAM	26365	1RB#0	22.31	23.5	PASS
Band25	10MHz	16QAM	26365	1RB#24	22.33	23.5	PASS
Band25	10MHz	16QAM	26365	1RB#49	22.37	23.5	PASS
Band25	10MHz	16QAM	26365	25RB#0	21.28	23.5	PASS
Band25	10MHz	16QAM	26365	25RB#12	21.30	23.5	PASS
Band25	10MHz	16QAM	26365	25RB#25	21.20	23.5	PASS
Band25	10MHz	16QAM	26365	50RB#0	21.26	23.5	PASS
Band25	10MHz	16QAM	26640	1RB#0	22.00	23.5	PASS
Band25	10MHz	16QAM	26640	1RB#24	22.12	23.5	PASS
Band25	10MHz	16QAM	26640	1RB#49	22.01	23.5	PASS

Band25	10MHz	16QAM	26640	25RB#0	20.98	23.5	PASS
Band25	10MHz	16QAM	26640	25RB#12	20.96	23.5	PASS
Band25	10MHz	16QAM	26640	25RB#25	20.86	23.5	PASS
Band25	10MHz	16QAM	26640	50RB#0	20.90	23.5	PASS
Band25	15MHz	QPSK	26115	1RB#0	22.89	23.5	PASS
Band25	15MHz	QPSK	26115	1RB#38	23.10	23.5	PASS
Band25	15MHz	QPSK	26115	1RB#74	22.99	23.5	PASS
Band25	15MHz	QPSK	26115	38RB#0	22.14	23.5	PASS
Band25	15MHz	QPSK	26115	38RB#18	22.16	23.5	PASS
Band25	15MHz	QPSK	26115	38RB#37	22.16	23.5	PASS
Band25	15MHz	QPSK	26115	75RB#0	22.10	23.5	PASS
Band25	15MHz	QPSK	26365	1RB#0	23.11	23.5	PASS
Band25	15MHz	QPSK	26365	1RB#38	23.12	23.5	PASS
Band25	15MHz	QPSK	26365	1RB#74	23.00	23.5	PASS
Band25	15MHz	QPSK	26365	38RB#0	22.27	23.5	PASS
Band25	15MHz	QPSK	26365	38RB#18	22.23	23.5	PASS
Band25	15MHz	QPSK	26365	38RB#37	22.29	23.5	PASS
Band25	15MHz	QPSK	26365	75RB#0	22.27	23.5	PASS
Band25	15MHz	QPSK	26615	1RB#0	22.82	23.5	PASS
Band25	15MHz	QPSK	26615	1RB#38	22.75	23.5	PASS
Band25	15MHz	QPSK	26615	1RB#74	22.69	23.5	PASS
Band25	15MHz	QPSK	26615	38RB#0	21.92	23.5	PASS
Band25	15MHz	QPSK	26615	38RB#18	21.91	23.5	PASS
Band25	15MHz	QPSK	26615	38RB#37	21.86	23.5	PASS
Band25	15MHz	QPSK	26615	75RB#0	21.90	23.5	PASS
Band25	15MHz	16QAM	26115	1RB#0	22.13	23.5	PASS
Band25	15MHz	16QAM	26115	1RB#38	22.29	23.5	PASS
Band25	15MHz	16QAM	26115	1RB#74	22.10	23.5	PASS
Band25	15MHz	16QAM	26115	38RB#0	22.12	23.5	PASS
Band25	15MHz	16QAM	26115	38RB#18	22.16	23.5	PASS
Band25	15MHz	16QAM	26115	38RB#37	22.14	23.5	PASS
Band25	15MHz	16QAM	26115	75RB#0	21.13	23.5	PASS
Band25	15MHz	16QAM	26365	1RB#0	22.26	23.5	PASS
Band25	15MHz	16QAM	26365	1RB#38	22.34	23.5	PASS
Band25	15MHz	16QAM	26365	1RB#74	22.25	23.5	PASS
Band25	15MHz	16QAM	26365	38RB#0	22.26	23.5	PASS
Band25	15MHz	16QAM	26365	38RB#18	22.27	23.5	PASS

Band25	15MHz	16QAM	26365	38RB#37	22.26	23.5	PASS
Band25	15MHz	16QAM	26365	75RB#0	21.18	23.5	PASS
Band25	15MHz	16QAM	26615	1RB#0	21.96	23.5	PASS
Band25	15MHz	16QAM	26615	1RB#38	21.96	23.5	PASS
Band25	15MHz	16QAM	26615	1RB#74	21.88	23.5	PASS
Band25	15MHz	16QAM	26615	38RB#0	21.87	23.5	PASS
Band25	15MHz	16QAM	26615	38RB#18	21.89	23.5	PASS
Band25	15MHz	16QAM	26615	38RB#37	21.89	23.5	PASS
Band25	15MHz	16QAM	26615	75RB#0	20.79	23.5	PASS
Band25	20MHz	QPSK	26140	1RB#0	22.83	23.5	PASS
Band25	20MHz	QPSK	26140	1RB#49	23.31	23.5	PASS
Band25	20MHz	QPSK	26140	1RB#99	22.92	23.5	PASS
Band25	20MHz	QPSK	26140	50RB#0	22.16	23.5	PASS
Band25	20MHz	QPSK	26140	50RB#25	22.19	23.5	PASS
Band25	20MHz	QPSK	26140	50RB#50	22.26	23.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	22.24	23.5	PASS
Band25	20MHz	QPSK	26365	1RB#0	23.01	23.5	PASS
Band25	20MHz	QPSK	26365	1RB#49	23.34	23.5	PASS
Band25	20MHz	QPSK	26365	1RB#99	22.90	23.5	PASS
Band25	20MHz	QPSK	26365	50RB#0	22.29	23.5	PASS
Band25	20MHz	QPSK	26365	50RB#25	22.30	23.5	PASS
Band25	20MHz	QPSK	26365	50RB#50	22.18	23.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	22.22	23.5	PASS
Band25	20MHz	QPSK	26590	1RB#0	22.83	23.5	PASS
Band25	20MHz	QPSK	26590	1RB#49	23.02	23.5	PASS
Band25	20MHz	QPSK	26590	1RB#99	22.63	23.5	PASS
Band25	20MHz	QPSK	26590	50RB#0	22.00	23.5	PASS
Band25	20MHz	QPSK	26590	50RB#25	21.97	23.5	PASS
Band25	20MHz	QPSK	26590	50RB#50	21.67	23.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	21.86	23.5	PASS
Band25	20MHz	16QAM	26140	1RB#0	21.93	23.5	PASS
Band25	20MHz	16QAM	26140	1RB#49	22.35	23.5	PASS
Band25	20MHz	16QAM	26140	1RB#99	21.97	23.5	PASS
Band25	20MHz	16QAM	26140	50RB#0	21.18	23.5	PASS
Band25	20MHz	16QAM	26140	50RB#25	21.17	23.5	PASS
Band25	20MHz	16QAM	26140	50RB#50	21.26	23.5	PASS
Band25	20MHz	16QAM	26140	100RB#0	21.18	23.5	PASS

Band25	20MHz	16QAM	26365	1RB#0	22.16	23.5	PASS
Band25	20MHz	16QAM	26365	1RB#49	22.56	23.5	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.09	23.5	PASS
Band25	20MHz	16QAM	26365	50RB#0	21.33	23.5	PASS
Band25	20MHz	16QAM	26365	50RB#25	21.31	23.5	PASS
Band25	20MHz	16QAM	26365	50RB#50	21.23	23.5	PASS
Band25	20MHz	16QAM	26365	100RB#0	21.29	23.5	PASS
Band25	20MHz	16QAM	26590	1RB#0	21.90	23.5	PASS
Band25	20MHz	16QAM	26590	1RB#49	22.03	23.5	PASS
Band25	20MHz	16QAM	26590	1RB#99	21.65	23.5	PASS
Band25	20MHz	16QAM	26590	50RB#0	20.96	23.5	PASS
Band25	20MHz	16QAM	26590	50RB#25	20.97	23.5	PASS
Band25	20MHz	16QAM	26590	50RB#50	20.70	23.5	PASS
Band25	20MHz	16QAM	26590	100RB#0	20.84	23.5	PASS

FDD-LTE Band 26 (814-824MHz):

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune-up power (dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	22.85	23.5	PASS
Band26	1.4MHz	QPSK	26697	1RB#2	23.12	23.5	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	22.93	23.5	PASS
Band26	1.4MHz	QPSK	26697	3RB#0	22.99	23.5	PASS
Band26	1.4MHz	QPSK	26697	3RB#1	23.01	23.5	PASS
Band26	1.4MHz	QPSK	26697	3RB#3	23.01	23.5	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	21.96	23.5	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	22.90	23.5	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	23.01	23.5	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	22.91	23.5	PASS
Band26	1.4MHz	QPSK	26740	3RB#0	22.98	23.5	PASS
Band26	1.4MHz	QPSK	26740	3RB#1	22.96	23.5	PASS
Band26	1.4MHz	QPSK	26740	3RB#3	22.95	23.5	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	21.95	23.5	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	22.72	23.5	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	22.75	23.5	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	22.75	23.5	PASS

Band26	1.4MHz	QPSK	26783	3RB#0	22.87	23.5	PASS
Band26	1.4MHz	QPSK	26783	3RB#1	22.84	23.5	PASS
Band26	1.4MHz	QPSK	26783	3RB#3	22.84	23.5	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	21.78	23.5	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	22.08	23.5	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	22.08	23.5	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	22.02	23.5	PASS
Band26	1.4MHz	16QAM	26697	3RB#0	21.92	23.5	PASS
Band26	1.4MHz	16QAM	26697	3RB#1	21.88	23.5	PASS
Band26	1.4MHz	16QAM	26697	3RB#3	21.94	23.5	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	21.03	23.5	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	22.11	23.5	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	22.24	23.5	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	22.04	23.5	PASS
Band26	1.4MHz	16QAM	26740	3RB#0	21.90	23.5	PASS
Band26	1.4MHz	16QAM	26740	3RB#1	21.93	23.5	PASS
Band26	1.4MHz	16QAM	26740	3RB#3	21.92	23.5	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	20.86	23.5	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	21.91	23.5	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	22.19	23.5	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	21.95	23.5	PASS
Band26	1.4MHz	16QAM	26783	3RB#0	21.79	23.5	PASS
Band26	1.4MHz	16QAM	26783	3RB#1	21.77	23.5	PASS
Band26	1.4MHz	16QAM	26783	3RB#3	21.75	23.5	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	20.85	23.5	PASS
Band26	3MHz	QPSK	26705	1RB#0	22.87	23.5	PASS
Band26	3MHz	QPSK	26705	1RB#8	22.86	23.5	PASS
Band26	3MHz	QPSK	26705	1RB#14	22.89	23.5	PASS
Band26	3MHz	QPSK	26705	8RB#0	21.92	23.5	PASS
Band26	3MHz	QPSK	26705	8RB#4	21.89	23.5	PASS
Band26	3MHz	QPSK	26705	8RB#7	21.97	23.5	PASS
Band26	3MHz	QPSK	26705	15RB#0	21.94	23.5	PASS
Band26	3MHz	QPSK	26740	1RB#0	22.92	23.5	PASS
Band26	3MHz	QPSK	26740	1RB#8	22.88	23.5	PASS
Band26	3MHz	QPSK	26740	1RB#14	22.80	23.5	PASS
Band26	3MHz	QPSK	26740	8RB#0	21.96	23.5	PASS
Band26	3MHz	QPSK	26740	8RB#4	21.93	23.5	PASS

Band26	3MHz	QPSK	26740	8RB#7	21.88	23.5	PASS
Band26	3MHz	QPSK	26740	15RB#0	21.90	23.5	PASS
Band26	3MHz	QPSK	26775	1RB#0	22.80	23.5	PASS
Band26	3MHz	QPSK	26775	1RB#8	22.76	23.5	PASS
Band26	3MHz	QPSK	26775	1RB#14	22.71	23.5	PASS
Band26	3MHz	QPSK	26775	8RB#0	21.78	23.5	PASS
Band26	3MHz	QPSK	26775	8RB#4	21.78	23.5	PASS
Band26	3MHz	QPSK	26775	8RB#7	21.74	23.5	PASS
Band26	3MHz	QPSK	26775	15RB#0	21.79	23.5	PASS
Band26	3MHz	16QAM	26705	1RB#0	22.13	23.5	PASS
Band26	3MHz	16QAM	26705	1RB#8	22.15	23.5	PASS
Band26	3MHz	16QAM	26705	1RB#14	22.07	23.5	PASS
Band26	3MHz	16QAM	26705	8RB#0	21.01	23.5	PASS
Band26	3MHz	16QAM	26705	8RB#4	20.96	23.5	PASS
Band26	3MHz	16QAM	26705	8RB#7	21.04	23.5	PASS
Band26	3MHz	16QAM	26705	15RB#0	20.97	23.5	PASS
Band26	3MHz	16QAM	26740	1RB#0	22.15	23.5	PASS
Band26	3MHz	16QAM	26740	1RB#8	22.06	23.5	PASS
Band26	3MHz	16QAM	26740	1RB#14	22.07	23.5	PASS
Band26	3MHz	16QAM	26740	8RB#0	20.97	23.5	PASS
Band26	3MHz	16QAM	26740	8RB#4	20.92	23.5	PASS
Band26	3MHz	16QAM	26740	8RB#7	20.93	23.5	PASS
Band26	3MHz	16QAM	26740	15RB#0	20.84	23.5	PASS
Band26	3MHz	16QAM	26775	1RB#0	21.98	23.5	PASS
Band26	3MHz	16QAM	26775	1RB#8	21.96	23.5	PASS
Band26	3MHz	16QAM	26775	1RB#14	21.99	23.5	PASS
Band26	3MHz	16QAM	26775	8RB#0	20.89	23.5	PASS
Band26	3MHz	16QAM	26775	8RB#4	20.90	23.5	PASS
Band26	3MHz	16QAM	26775	8RB#7	20.79	23.5	PASS
Band26	3MHz	16QAM	26775	15RB#0	20.82	23.5	PASS
Band26	5MHz	QPSK	26715	1RB#0	22.86	23.5	PASS
Band26	5MHz	QPSK	26715	1RB#12	23.02	23.5	PASS
Band26	5MHz	QPSK	26715	1RB#24	22.86	23.5	PASS
Band26	5MHz	QPSK	26715	12RB#0	21.90	23.5	PASS
Band26	5MHz	QPSK	26715	12RB#6	21.93	23.5	PASS
Band26	5MHz	QPSK	26715	12RB#13	21.89	23.5	PASS
Band26	5MHz	QPSK	26715	25RB#0	22.00	23.5	PASS

Band26	5MHz	QPSK	26740	1RB#0	22.85	23.5	PASS
Band26	5MHz	QPSK	26740	1RB#12	22.99	23.5	PASS
Band26	5MHz	QPSK	26740	1RB#24	22.89	23.5	PASS
Band26	5MHz	QPSK	26740	12RB#0	21.91	23.5	PASS
Band26	5MHz	QPSK	26740	12RB#6	21.93	23.5	PASS
Band26	5MHz	QPSK	26740	12RB#13	21.88	23.5	PASS
Band26	5MHz	QPSK	26740	25RB#0	21.90	23.5	PASS
Band26	5MHz	QPSK	26765	1RB#0	22.75	23.5	PASS
Band26	5MHz	QPSK	26765	1RB#12	22.92	23.5	PASS
Band26	5MHz	QPSK	26765	1RB#24	22.72	23.5	PASS
Band26	5MHz	QPSK	26765	12RB#0	21.83	23.5	PASS
Band26	5MHz	QPSK	26765	12RB#6	21.91	23.5	PASS
Band26	5MHz	QPSK	26765	12RB#13	21.72	23.5	PASS
Band26	5MHz	QPSK	26765	25RB#0	21.82	23.5	PASS
Band26	5MHz	16QAM	26715	1RB#0	21.94	23.5	PASS
Band26	5MHz	16QAM	26715	1RB#12	22.04	23.5	PASS
Band26	5MHz	16QAM	26715	1RB#24	21.89	23.5	PASS
Band26	5MHz	16QAM	26715	12RB#0	20.90	23.5	PASS
Band26	5MHz	16QAM	26715	12RB#6	20.87	23.5	PASS
Band26	5MHz	16QAM	26715	12RB#13	20.98	23.5	PASS
Band26	5MHz	16QAM	26715	25RB#0	20.98	23.5	PASS
Band26	5MHz	16QAM	26740	1RB#0	22.10	23.5	PASS
Band26	5MHz	16QAM	26740	1RB#12	22.20	23.5	PASS
Band26	5MHz	16QAM	26740	1RB#24	22.06	23.5	PASS
Band26	5MHz	16QAM	26740	12RB#0	20.98	23.5	PASS
Band26	5MHz	16QAM	26740	12RB#6	20.95	23.5	PASS
Band26	5MHz	16QAM	26740	12RB#13	20.96	23.5	PASS
Band26	5MHz	16QAM	26740	25RB#0	20.97	23.5	PASS
Band26	5MHz	16QAM	26765	1RB#0	21.82	23.5	PASS
Band26	5MHz	16QAM	26765	1RB#12	21.93	23.5	PASS
Band26	5MHz	16QAM	26765	1RB#24	21.82	23.5	PASS
Band26	5MHz	16QAM	26765	12RB#0	20.83	23.5	PASS
Band26	5MHz	16QAM	26765	12RB#6	20.84	23.5	PASS
Band26	5MHz	16QAM	26765	12RB#13	20.71	23.5	PASS
Band26	5MHz	16QAM	26765	25RB#0	20.85	23.5	PASS
Band26	10MHz	QPSK	26740	1RB#0	22.83	23.5	PASS
Band26	10MHz	QPSK	26740	1RB#24	23.15	23.5	PASS

Band26	10MHz	QPSK	26740	1RB#49	22.83	23.5	PASS
Band26	10MHz	QPSK	26740	25RB#0	21.97	23.5	PASS
Band26	10MHz	QPSK	26740	25RB#12	21.98	23.5	PASS
Band26	10MHz	QPSK	26740	25RB#25	21.91	23.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	21.90	23.5	PASS
Band26	10MHz	16QAM	26740	1RB#0	22.07	23.5	PASS
Band26	10MHz	16QAM	26740	1RB#24	22.22	23.5	PASS
Band26	10MHz	16QAM	26740	1RB#49	22.05	23.5	PASS
Band26	10MHz	16QAM	26740	25RB#0	21.00	23.5	PASS
Band26	10MHz	16QAM	26740	25RB#12	20.97	23.5	PASS
Band26	10MHz	16QAM	26740	25RB#25	20.91	23.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	20.86	23.5	PASS

FDD-LTE Band 26 (824-849MHz):

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune-up power (dBm)	Verdict
Band26	1.4MHz	QPSK	26797	1RB#0	23.10	23.5	PASS
Band26	1.4MHz	QPSK	26797	1RB#2	23.25	23.5	PASS
Band26	1.4MHz	QPSK	26797	1RB#5	23.06	23.5	PASS
Band26	1.4MHz	QPSK	26797	3RB#0	22.79	23.5	PASS
Band26	1.4MHz	QPSK	26797	3RB#1	22.68	23.5	PASS
Band26	1.4MHz	QPSK	26797	3RB#3	22.72	23.5	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	21.61	23.5	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	22.24	23.5	PASS
Band26	1.4MHz	QPSK	26915	1RB#2	22.29	23.5	PASS
Band26	1.4MHz	QPSK	26915	1RB#5	22.25	23.5	PASS
Band26	1.4MHz	QPSK	26915	3RB#0	22.32	23.5	PASS
Band26	1.4MHz	QPSK	26915	3RB#1	22.33	23.5	PASS
Band26	1.4MHz	QPSK	26915	3RB#3	22.38	23.5	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	21.30	23.5	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	22.23	23.5	PASS
Band26	1.4MHz	QPSK	27033	1RB#2	22.21	23.5	PASS
Band26	1.4MHz	QPSK	27033	1RB#5	22.13	23.5	PASS
Band26	1.4MHz	QPSK	27033	3RB#0	22.28	23.5	PASS
Band26	1.4MHz	QPSK	27033	3RB#1	22.26	23.5	PASS

Band26	1.4MHz	QPSK	27033	3RB#3	22.32	23.5	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	21.21	23.5	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	22.30	23.5	PASS
Band26	1.4MHz	16QAM	26797	1RB#2	22.44	23.5	PASS
Band26	1.4MHz	16QAM	26797	1RB#5	22.24	23.5	PASS
Band26	1.4MHz	16QAM	26797	3RB#0	21.62	23.5	PASS
Band26	1.4MHz	16QAM	26797	3RB#1	21.61	23.5	PASS
Band26	1.4MHz	16QAM	26797	3RB#3	21.62	23.5	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	20.49	23.5	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	21.41	23.5	PASS
Band26	1.4MHz	16QAM	26915	1RB#2	21.66	23.5	PASS
Band26	1.4MHz	16QAM	26915	1RB#5	21.37	23.5	PASS
Band26	1.4MHz	16QAM	26915	3RB#0	21.26	23.5	PASS
Band26	1.4MHz	16QAM	26915	3RB#1	21.25	23.5	PASS
Band26	1.4MHz	16QAM	26915	3RB#3	21.26	23.5	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	20.38	23.5	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	21.40	23.5	PASS
Band26	1.4MHz	16QAM	27033	1RB#2	21.47	23.5	PASS
Band26	1.4MHz	16QAM	27033	1RB#5	21.32	23.5	PASS
Band26	1.4MHz	16QAM	27033	3RB#0	21.25	23.5	PASS
Band26	1.4MHz	16QAM	27033	3RB#1	21.19	23.5	PASS
Band26	1.4MHz	16QAM	27033	3RB#3	21.13	23.5	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	20.14	23.5	PASS
Band26	3MHz	QPSK	26805	1RB#0	22.67	23.5	PASS
Band26	3MHz	QPSK	26805	1RB#8	22.61	23.5	PASS
Band26	3MHz	QPSK	26805	1RB#14	22.57	23.5	PASS
Band26	3MHz	QPSK	26805	8RB#0	21.66	23.5	PASS
Band26	3MHz	QPSK	26805	8RB#4	21.63	23.5	PASS
Band26	3MHz	QPSK	26805	8RB#7	21.67	23.5	PASS
Band26	3MHz	QPSK	26805	15RB#0	21.64	23.5	PASS
Band26	3MHz	QPSK	26915	1RB#0	22.33	23.5	PASS
Band26	3MHz	QPSK	26915	1RB#8	22.22	23.5	PASS
Band26	3MHz	QPSK	26915	1RB#14	22.27	23.5	PASS
Band26	3MHz	QPSK	26915	8RB#0	21.30	23.5	PASS
Band26	3MHz	QPSK	26915	8RB#4	21.31	23.5	PASS
Band26	3MHz	QPSK	26915	8RB#7	21.33	23.5	PASS
Band26	3MHz	QPSK	26915	15RB#0	21.34	23.5	PASS

Band26	3MHz	QPSK	27025	1RB#0	22.30	23.5	PASS
Band26	3MHz	QPSK	27025	1RB#8	22.24	23.5	PASS
Band26	3MHz	QPSK	27025	1RB#14	22.23	23.5	PASS
Band26	3MHz	QPSK	27025	8RB#0	21.24	23.5	PASS
Band26	3MHz	QPSK	27025	8RB#4	21.25	23.5	PASS
Band26	3MHz	QPSK	27025	8RB#7	21.24	23.5	PASS
Band26	3MHz	QPSK	27025	15RB#0	21.25	23.5	PASS
Band26	3MHz	16QAM	26805	1RB#0	21.89	23.5	PASS
Band26	3MHz	16QAM	26805	1RB#8	21.82	23.5	PASS
Band26	3MHz	16QAM	26805	1RB#14	21.73	23.5	PASS
Band26	3MHz	16QAM	26805	8RB#0	20.75	23.5	PASS
Band26	3MHz	16QAM	26805	8RB#4	20.77	23.5	PASS
Band26	3MHz	16QAM	26805	8RB#7	20.69	23.5	PASS
Band26	3MHz	16QAM	26805	15RB#0	20.70	23.5	PASS
Band26	3MHz	16QAM	26915	1RB#0	21.54	23.5	PASS
Band26	3MHz	16QAM	26915	1RB#8	21.49	23.5	PASS
Band26	3MHz	16QAM	26915	1RB#14	21.45	23.5	PASS
Band26	3MHz	16QAM	26915	8RB#0	20.41	23.5	PASS
Band26	3MHz	16QAM	26915	8RB#4	20.41	23.5	PASS
Band26	3MHz	16QAM	26915	8RB#7	20.43	23.5	PASS
Band26	3MHz	16QAM	26915	15RB#0	20.41	23.5	PASS
Band26	3MHz	16QAM	27025	1RB#0	21.49	23.5	PASS
Band26	3MHz	16QAM	27025	1RB#8	21.47	23.5	PASS
Band26	3MHz	16QAM	27025	1RB#14	21.38	23.5	PASS
Band26	3MHz	16QAM	27025	8RB#0	20.27	23.5	PASS
Band26	3MHz	16QAM	27025	8RB#4	20.29	23.5	PASS
Band26	3MHz	16QAM	27025	8RB#7	20.26	23.5	PASS
Band26	3MHz	16QAM	27025	15RB#0	20.20	23.5	PASS
Band26	5MHz	QPSK	26815	1RB#0	21.79	23.5	PASS
Band26	5MHz	QPSK	26815	1RB#12	21.90	23.5	PASS
Band26	5MHz	QPSK	26815	1RB#24	21.70	23.5	PASS
Band26	5MHz	QPSK	26815	12RB#0	20.85	23.5	PASS
Band26	5MHz	QPSK	26815	12RB#6	20.89	23.5	PASS
Band26	5MHz	QPSK	26815	12RB#13	20.71	23.5	PASS
Band26	5MHz	QPSK	26815	25RB#0	20.81	23.5	PASS
Band26	5MHz	QPSK	26915	1RB#0	21.56	23.5	PASS
Band26	5MHz	QPSK	26915	1RB#12	21.68	23.5	PASS

Band26	5MHz	QPSK	26915	1RB#24	21.55	23.5	PASS
Band26	5MHz	QPSK	26915	12RB#0	20.61	23.5	PASS
Band26	5MHz	QPSK	26915	12RB#6	20.59	23.5	PASS
Band26	5MHz	QPSK	26915	12RB#13	20.56	23.5	PASS
Band26	5MHz	QPSK	26915	25RB#0	20.65	23.5	PASS
Band26	5MHz	QPSK	27015	1RB#0	21.52	23.5	PASS
Band26	5MHz	QPSK	27015	1RB#12	21.71	23.5	PASS
Band26	5MHz	QPSK	27015	1RB#24	21.54	23.5	PASS
Band26	5MHz	QPSK	27015	12RB#0	20.63	23.5	PASS
Band26	5MHz	QPSK	27015	12RB#6	20.59	23.5	PASS
Band26	5MHz	QPSK	27015	12RB#13	20.60	23.5	PASS
Band26	5MHz	QPSK	27015	25RB#0	20.68	23.5	PASS
Band26	5MHz	16QAM	26815	1RB#0	20.88	23.5	PASS
Band26	5MHz	16QAM	26815	1RB#12	20.94	23.5	PASS
Band26	5MHz	16QAM	26815	1RB#24	20.75	23.5	PASS
Band26	5MHz	16QAM	26815	12RB#0	19.87	23.5	PASS
Band26	5MHz	16QAM	26815	12RB#6	19.92	23.5	PASS
Band26	5MHz	16QAM	26815	12RB#13	19.76	23.5	PASS
Band26	5MHz	16QAM	26815	25RB#0	19.90	23.5	PASS
Band26	5MHz	16QAM	26915	1RB#0	20.63	23.5	PASS
Band26	5MHz	16QAM	26915	1RB#12	20.71	23.5	PASS
Band26	5MHz	16QAM	26915	1RB#24	20.57	23.5	PASS
Band26	5MHz	16QAM	26915	12RB#0	19.60	23.5	PASS
Band26	5MHz	16QAM	26915	12RB#6	19.59	23.5	PASS
Band26	5MHz	16QAM	26915	12RB#13	19.63	23.5	PASS
Band26	5MHz	16QAM	26915	25RB#0	19.74	23.5	PASS
Band26	5MHz	16QAM	27015	1RB#0	20.74	23.5	PASS
Band26	5MHz	16QAM	27015	1RB#12	20.92	23.5	PASS
Band26	5MHz	16QAM	27015	1RB#24	20.74	23.5	PASS
Band26	5MHz	16QAM	27015	12RB#0	19.72	23.5	PASS
Band26	5MHz	16QAM	27015	12RB#6	19.72	23.5	PASS
Band26	5MHz	16QAM	27015	12RB#13	19.62	23.5	PASS
Band26	5MHz	16QAM	27015	25RB#0	19.67	23.5	PASS
Band26	10MHz	QPSK	26840	1RB#0	21.84	23.5	PASS
Band26	10MHz	QPSK	26840	1RB#24	21.86	23.5	PASS
Band26	10MHz	QPSK	26840	1RB#49	21.60	23.5	PASS
Band26	10MHz	QPSK	26840	25RB#0	20.95	23.5	PASS

Band26	10MHz	QPSK	26840	25RB#12	20.92	23.5	PASS
Band26	10MHz	QPSK	26840	25RB#25	20.82	23.5	PASS
Band26	10MHz	QPSK	26840	50RB#0	20.90	23.5	PASS
Band26	10MHz	QPSK	26915	1RB#0	21.70	23.5	PASS
Band26	10MHz	QPSK	26915	1RB#24	21.64	23.5	PASS
Band26	10MHz	QPSK	26915	1RB#49	21.56	23.5	PASS
Band26	10MHz	QPSK	26915	25RB#0	20.68	23.5	PASS
Band26	10MHz	QPSK	26915	25RB#12	20.68	23.5	PASS
Band26	10MHz	QPSK	26915	25RB#25	20.71	23.5	PASS
Band26	10MHz	QPSK	26915	50RB#0	20.69	23.5	PASS
Band26	10MHz	QPSK	26990	1RB#0	21.64	23.5	PASS
Band26	10MHz	QPSK	26990	1RB#24	21.71	23.5	PASS
Band26	10MHz	QPSK	26990	1RB#49	21.60	23.5	PASS
Band26	10MHz	QPSK	26990	25RB#0	20.79	23.5	PASS
Band26	10MHz	QPSK	26990	25RB#12	20.79	23.5	PASS
Band26	10MHz	QPSK	26990	25RB#25	20.63	23.5	PASS
Band26	10MHz	QPSK	26990	50RB#0	20.75	23.5	PASS
Band26	10MHz	16QAM	26840	1RB#0	21.07	23.5	PASS
Band26	10MHz	16QAM	26840	1RB#24	21.13	23.5	PASS
Band26	10MHz	16QAM	26840	1RB#49	20.87	23.5	PASS
Band26	10MHz	16QAM	26840	25RB#0	19.96	23.5	PASS
Band26	10MHz	16QAM	26840	25RB#12	19.94	23.5	PASS
Band26	10MHz	16QAM	26840	25RB#25	19.85	23.5	PASS
Band26	10MHz	16QAM	26840	50RB#0	19.92	23.5	PASS
Band26	10MHz	16QAM	26915	1RB#0	20.99	23.5	PASS
Band26	10MHz	16QAM	26915	1RB#24	20.82	23.5	PASS
Band26	10MHz	16QAM	26915	1RB#49	20.78	23.5	PASS
Band26	10MHz	16QAM	26915	25RB#0	19.75	23.5	PASS
Band26	10MHz	16QAM	26915	25RB#12	19.71	23.5	PASS
Band26	10MHz	16QAM	26915	25RB#25	19.70	23.5	PASS
Band26	10MHz	16QAM	26915	50RB#0	19.74	23.5	PASS
Band26	10MHz	16QAM	26990	1RB#0	20.84	23.5	PASS
Band26	10MHz	16QAM	26990	1RB#24	21.02	23.5	PASS
Band26	10MHz	16QAM	26990	1RB#49	20.82	23.5	PASS
Band26	10MHz	16QAM	26990	25RB#0	19.86	23.5	PASS
Band26	10MHz	16QAM	26990	25RB#12	19.82	23.5	PASS
Band26	10MHz	16QAM	26990	25RB#25	19.71	23.5	PASS

Band26	10MHz	16QAM	26990	50RB#0	19.75	23.5	PASS
Band26	15MHz	QPSK	26865	1RB#0	23.24	23.5	PASS
Band26	15MHz	QPSK	26865	1RB#38	23.24	23.5	PASS
Band26	15MHz	QPSK	26865	1RB#74	23.44	23.5	PASS
Band26	15MHz	QPSK	26865	38RB#0	22.39	23.5	PASS
Band26	15MHz	QPSK	26865	38RB#18	22.38	23.5	PASS
Band26	15MHz	QPSK	26865	38RB#37	22.37	23.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	22.39	23.5	PASS
Band26	15MHz	QPSK	26915	1RB#0	23.20	23.5	PASS
Band26	15MHz	QPSK	26915	1RB#38	23.35	23.5	PASS
Band26	15MHz	QPSK	26915	1RB#74	23.41	23.5	PASS
Band26	15MHz	QPSK	26915	38RB#0	22.45	23.5	PASS
Band26	15MHz	QPSK	26915	38RB#18	22.13	23.5	PASS
Band26	15MHz	QPSK	26915	38RB#37	22.07	23.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	21.93	23.5	PASS
Band26	15MHz	QPSK	26965	1RB#0	22.82	23.5	PASS
Band26	15MHz	QPSK	26965	1RB#38	23.03	23.5	PASS
Band26	15MHz	QPSK	26965	1RB#74	22.93	23.5	PASS
Band26	15MHz	QPSK	26965	38RB#0	22.07	23.5	PASS
Band26	15MHz	QPSK	26965	38RB#18	22.09	23.5	PASS
Band26	15MHz	QPSK	26965	38RB#37	22.08	23.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	22.06	23.5	PASS
Band26	15MHz	16QAM	26865	1RB#0	22.46	23.5	PASS
Band26	15MHz	16QAM	26865	1RB#38	22.44	23.5	PASS
Band26	15MHz	16QAM	26865	1RB#74	22.63	23.5	PASS
Band26	15MHz	16QAM	26865	38RB#0	22.36	23.5	PASS
Band26	15MHz	16QAM	26865	38RB#18	22.40	23.5	PASS
Band26	15MHz	16QAM	26865	38RB#37	22.39	23.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	21.27	23.5	PASS
Band26	15MHz	16QAM	26915	1RB#0	22.46	23.5	PASS
Band26	15MHz	16QAM	26915	1RB#38	22.56	23.5	PASS
Band26	15MHz	16QAM	26915	1RB#74	22.28	23.5	PASS
Band26	15MHz	16QAM	26915	38RB#0	22.45	23.5	PASS
Band26	15MHz	16QAM	26915	38RB#18	22.23	23.5	PASS
Band26	15MHz	16QAM	26915	38RB#37	21.89	23.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	20.90	23.5	PASS
Band26	15MHz	16QAM	26965	1RB#0	22.19	23.5	PASS

Band26	15MHz	16QAM	26965	1RB#38	22.29	23.5	PASS
Band26	15MHz	16QAM	26965	1RB#74	22.28	23.5	PASS
Band26	15MHz	16QAM	26965	38RB#0	22.01	23.5	PASS
Band26	15MHz	16QAM	26965	38RB#18	22.09	23.5	PASS
Band26	15MHz	16QAM	26965	38RB#37	22.07	23.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	21.04	23.5	PASS

FDD-LTE Band 66:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune-up power (dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	22.37	23.0	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	22.47	23.0	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	22.42	23.0	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	22.50	23.0	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	22.54	23.0	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	22.55	23.0	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	21.47	23.0	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	22.04	23.0	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	22.19	23.0	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	22.04	23.0	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	22.21	23.0	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	22.25	23.0	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	22.25	23.0	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	21.16	23.0	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	22.76	23.0	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	22.86	23.0	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	22.75	23.0	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	22.86	23.0	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	22.88	23.0	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	22.85	23.0	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	21.81	23.0	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	21.57	23.0	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	21.82	23.0	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	21.56	23.0	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	21.41	23.0	PASS

Band66	1.4MHz	16QAM	131979	3RB#1	21.43	23.0	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	21.46	23.0	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	20.36	23.0	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	21.30	23.0	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	21.54	23.0	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	21.32	23.0	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	21.16	23.0	PASS
Band66	1.4MHz	16QAM	132322	3RB#1	21.17	23.0	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	21.16	23.0	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	20.24	23.0	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	21.85	23.0	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.07	23.0	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	21.92	23.0	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	21.78	23.0	PASS
Band66	1.4MHz	16QAM	132665	3RB#1	21.80	23.0	PASS
Band66	1.4MHz	16QAM	132665	3RB#3	21.78	23.0	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	20.89	23.0	PASS
Band66	3MHz	QPSK	131987	1RB#0	22.44	23.0	PASS
Band66	3MHz	QPSK	131987	1RB#8	22.43	23.0	PASS
Band66	3MHz	QPSK	131987	1RB#14	22.44	23.0	PASS
Band66	3MHz	QPSK	131987	8RB#0	21.43	23.0	PASS
Band66	3MHz	QPSK	131987	8RB#4	21.43	23.0	PASS
Band66	3MHz	QPSK	131987	8RB#7	21.49	23.0	PASS
Band66	3MHz	QPSK	131987	15RB#0	21.43	23.0	PASS
Band66	3MHz	QPSK	132322	1RB#0	22.12	23.0	PASS
Band66	3MHz	QPSK	132322	1RB#8	22.16	23.0	PASS
Band66	3MHz	QPSK	132322	1RB#14	22.20	23.0	PASS
Band66	3MHz	QPSK	132322	8RB#0	21.17	23.0	PASS
Band66	3MHz	QPSK	132322	8RB#4	21.15	23.0	PASS
Band66	3MHz	QPSK	132322	8RB#7	21.18	23.0	PASS
Band66	3MHz	QPSK	132322	15RB#0	21.16	23.0	PASS
Band66	3MHz	QPSK	132657	1RB#0	22.76	23.0	PASS
Band66	3MHz	QPSK	132657	1RB#8	22.77	23.0	PASS
Band66	3MHz	QPSK	132657	1RB#14	22.77	23.0	PASS
Band66	3MHz	QPSK	132657	8RB#0	21.86	23.0	PASS
Band66	3MHz	QPSK	132657	8RB#4	21.85	23.0	PASS
Band66	3MHz	QPSK	132657	8RB#7	21.80	23.0	PASS

Band66	3MHz	QPSK	132657	15RB#0	21.81	23.0	PASS
Band66	3MHz	16QAM	131987	1RB#0	21.71	23.0	PASS
Band66	3MHz	16QAM	131987	1RB#8	21.64	23.0	PASS
Band66	3MHz	16QAM	131987	1RB#14	21.70	23.0	PASS
Band66	3MHz	16QAM	131987	8RB#0	20.54	23.0	PASS
Band66	3MHz	16QAM	131987	8RB#4	20.53	23.0	PASS
Band66	3MHz	16QAM	131987	8RB#7	20.53	23.0	PASS
Band66	3MHz	16QAM	131987	15RB#0	20.48	23.0	PASS
Band66	3MHz	16QAM	132322	1RB#0	21.39	23.0	PASS
Band66	3MHz	16QAM	132322	1RB#8	21.40	23.0	PASS
Band66	3MHz	16QAM	132322	1RB#14	21.41	23.0	PASS
Band66	3MHz	16QAM	132322	8RB#0	20.27	23.0	PASS
Band66	3MHz	16QAM	132322	8RB#4	20.33	23.0	PASS
Band66	3MHz	16QAM	132322	8RB#7	20.31	23.0	PASS
Band66	3MHz	16QAM	132322	15RB#0	20.22	23.0	PASS
Band66	3MHz	16QAM	132657	1RB#0	21.96	23.0	PASS
Band66	3MHz	16QAM	132657	1RB#8	21.96	23.0	PASS
Band66	3MHz	16QAM	132657	1RB#14	21.97	23.0	PASS
Band66	3MHz	16QAM	132657	8RB#0	20.92	23.0	PASS
Band66	3MHz	16QAM	132657	8RB#4	20.93	23.0	PASS
Band66	3MHz	16QAM	132657	8RB#7	20.92	23.0	PASS
Band66	3MHz	16QAM	132657	15RB#0	20.85	23.0	PASS
Band66	5MHz	QPSK	131997	1RB#0	22.35	23.0	PASS
Band66	5MHz	QPSK	131997	1RB#12	22.51	23.0	PASS
Band66	5MHz	QPSK	131997	1RB#24	22.38	23.0	PASS
Band66	5MHz	QPSK	131997	12RB#0	21.43	23.0	PASS
Band66	5MHz	QPSK	131997	12RB#6	21.46	23.0	PASS
Band66	5MHz	QPSK	131997	12RB#13	21.49	23.0	PASS
Band66	5MHz	QPSK	131997	25RB#0	21.46	23.0	PASS
Band66	5MHz	QPSK	132322	1RB#0	22.08	23.0	PASS
Band66	5MHz	QPSK	132322	1RB#12	22.15	23.0	PASS
Band66	5MHz	QPSK	132322	1RB#24	22.10	23.0	PASS
Band66	5MHz	QPSK	132322	12RB#0	21.17	23.0	PASS
Band66	5MHz	QPSK	132322	12RB#6	21.12	23.0	PASS
Band66	5MHz	QPSK	132322	12RB#13	21.11	23.0	PASS
Band66	5MHz	QPSK	132322	25RB#0	21.16	23.0	PASS
Band66	5MHz	QPSK	132647	1RB#0	22.67	23.0	PASS

Band66	5MHz	QPSK	132647	1RB#12	22.79	23.0	PASS
Band66	5MHz	QPSK	132647	1RB#24	22.74	23.0	PASS
Band66	5MHz	QPSK	132647	12RB#0	21.82	23.0	PASS
Band66	5MHz	QPSK	132647	12RB#6	21.80	23.0	PASS
Band66	5MHz	QPSK	132647	12RB#13	21.73	23.0	PASS
Band66	5MHz	QPSK	132647	25RB#0	21.77	23.0	PASS
Band66	5MHz	16QAM	131997	1RB#0	21.37	23.0	PASS
Band66	5MHz	16QAM	131997	1RB#12	21.58	23.0	PASS
Band66	5MHz	16QAM	131997	1RB#24	21.47	23.0	PASS
Band66	5MHz	16QAM	131997	12RB#0	20.42	23.0	PASS
Band66	5MHz	16QAM	131997	12RB#6	20.41	23.0	PASS
Band66	5MHz	16QAM	131997	12RB#13	20.51	23.0	PASS
Band66	5MHz	16QAM	131997	25RB#0	20.51	23.0	PASS
Band66	5MHz	16QAM	132322	1RB#0	21.08	23.0	PASS
Band66	5MHz	16QAM	132322	1RB#12	21.27	23.0	PASS
Band66	5MHz	16QAM	132322	1RB#24	21.16	23.0	PASS
Band66	5MHz	16QAM	132322	12RB#0	20.15	23.0	PASS
Band66	5MHz	16QAM	132322	12RB#6	20.14	23.0	PASS
Band66	5MHz	16QAM	132322	12RB#13	20.17	23.0	PASS
Band66	5MHz	16QAM	132322	25RB#0	20.19	23.0	PASS
Band66	5MHz	16QAM	132647	1RB#0	21.63	23.0	PASS
Band66	5MHz	16QAM	132647	1RB#12	21.82	23.0	PASS
Band66	5MHz	16QAM	132647	1RB#24	21.79	23.0	PASS
Band66	5MHz	16QAM	132647	12RB#0	20.77	23.0	PASS
Band66	5MHz	16QAM	132647	12RB#6	20.76	23.0	PASS
Band66	5MHz	16QAM	132647	12RB#13	20.74	23.0	PASS
Band66	5MHz	16QAM	132647	25RB#0	20.81	23.0	PASS
Band66	10MHz	QPSK	132022	1RB#0	22.39	23.0	PASS
Band66	10MHz	QPSK	132022	1RB#24	22.41	23.0	PASS
Band66	10MHz	QPSK	132022	1RB#49	22.58	23.0	PASS
Band66	10MHz	QPSK	132022	25RB#0	21.49	23.0	PASS
Band66	10MHz	QPSK	132022	25RB#12	21.48	23.0	PASS
Band66	10MHz	QPSK	132022	25RB#25	21.70	23.0	PASS
Band66	10MHz	QPSK	132022	50RB#0	21.56	23.0	PASS
Band66	10MHz	QPSK	132322	1RB#0	22.18	23.0	PASS
Band66	10MHz	QPSK	132322	1RB#24	22.21	23.0	PASS
Band66	10MHz	QPSK	132322	1RB#49	22.21	23.0	PASS

Band66	10MHz	QPSK	132322	25RB#0	21.29	23.0	PASS
Band66	10MHz	QPSK	132322	25RB#12	21.27	23.0	PASS
Band66	10MHz	QPSK	132322	25RB#25	21.30	23.0	PASS
Band66	10MHz	QPSK	132322	50RB#0	21.22	23.0	PASS
Band66	10MHz	QPSK	132622	1RB#0	22.65	23.0	PASS
Band66	10MHz	QPSK	132622	1RB#24	22.74	23.0	PASS
Band66	10MHz	QPSK	132622	1RB#49	22.73	23.0	PASS
Band66	10MHz	QPSK	132622	25RB#0	21.83	23.0	PASS
Band66	10MHz	QPSK	132622	25RB#12	21.76	23.0	PASS
Band66	10MHz	QPSK	132622	25RB#25	21.73	23.0	PASS
Band66	10MHz	QPSK	132622	50RB#0	21.77	23.0	PASS
Band66	10MHz	16QAM	132022	1RB#0	21.67	23.0	PASS
Band66	10MHz	16QAM	132022	1RB#24	21.80	23.0	PASS
Band66	10MHz	16QAM	132022	1RB#49	21.79	23.0	PASS
Band66	10MHz	16QAM	132022	25RB#0	20.52	23.0	PASS
Band66	10MHz	16QAM	132022	25RB#12	20.55	23.0	PASS
Band66	10MHz	16QAM	132022	25RB#25	20.73	23.0	PASS
Band66	10MHz	16QAM	132022	50RB#0	20.60	23.0	PASS
Band66	10MHz	16QAM	132322	1RB#0	21.40	23.0	PASS
Band66	10MHz	16QAM	132322	1RB#24	21.45	23.0	PASS
Band66	10MHz	16QAM	132322	1RB#49	21.47	23.0	PASS
Band66	10MHz	16QAM	132322	25RB#0	20.32	23.0	PASS
Band66	10MHz	16QAM	132322	25RB#12	20.32	23.0	PASS
Band66	10MHz	16QAM	132322	25RB#25	20.32	23.0	PASS
Band66	10MHz	16QAM	132322	50RB#0	20.29	23.0	PASS
Band66	10MHz	16QAM	132622	1RB#0	21.82	23.0	PASS
Band66	10MHz	16QAM	132622	1RB#24	21.91	23.0	PASS
Band66	10MHz	16QAM	132622	1RB#49	21.95	23.0	PASS
Band66	10MHz	16QAM	132622	25RB#0	20.79	23.0	PASS
Band66	10MHz	16QAM	132622	25RB#12	20.78	23.0	PASS
Band66	10MHz	16QAM	132622	25RB#25	20.77	23.0	PASS
Band66	10MHz	16QAM	132622	50RB#0	20.75	23.0	PASS
Band66	15MHz	QPSK	132047	1RB#0	22.36	23.0	PASS
Band66	15MHz	QPSK	132047	1RB#38	22.58	23.0	PASS
Band66	15MHz	QPSK	132047	1RB#74	22.42	23.0	PASS
Band66	15MHz	QPSK	132047	38RB#0	21.67	23.0	PASS
Band66	15MHz	QPSK	132047	38RB#18	21.64	23.0	PASS

Band66	15MHz	QPSK	132047	38RB#37	21.64	23.0	PASS
Band66	15MHz	QPSK	132047	75RB#0	21.66	23.0	PASS
Band66	15MHz	QPSK	132322	1RB#0	22.17	23.0	PASS
Band66	15MHz	QPSK	132322	1RB#38	22.19	23.0	PASS
Band66	15MHz	QPSK	132322	1RB#74	22.20	23.0	PASS
Band66	15MHz	QPSK	132322	38RB#0	21.29	23.0	PASS
Band66	15MHz	QPSK	132322	38RB#18	21.26	23.0	PASS
Band66	15MHz	QPSK	132322	38RB#37	21.29	23.0	PASS
Band66	15MHz	QPSK	132322	75RB#0	21.30	23.0	PASS
Band66	15MHz	QPSK	132597	1RB#0	22.61	23.0	PASS
Band66	15MHz	QPSK	132597	1RB#38	22.68	23.0	PASS
Band66	15MHz	QPSK	132597	1RB#74	22.65	23.0	PASS
Band66	15MHz	QPSK	132597	38RB#0	21.83	23.0	PASS
Band66	15MHz	QPSK	132597	38RB#18	21.81	23.0	PASS
Band66	15MHz	QPSK	132597	38RB#37	21.88	23.0	PASS
Band66	15MHz	QPSK	132597	75RB#0	21.85	23.0	PASS
Band66	15MHz	16QAM	132047	1RB#0	21.63	23.0	PASS
Band66	15MHz	16QAM	132047	1RB#38	21.80	23.0	PASS
Band66	15MHz	16QAM	132047	1RB#74	21.66	23.0	PASS
Band66	15MHz	16QAM	132047	38RB#0	21.65	23.0	PASS
Band66	15MHz	16QAM	132047	38RB#18	21.65	23.0	PASS
Band66	15MHz	16QAM	132047	38RB#37	21.63	23.0	PASS
Band66	15MHz	16QAM	132047	75RB#0	20.57	23.0	PASS
Band66	15MHz	16QAM	132322	1RB#0	21.41	23.0	PASS
Band66	15MHz	16QAM	132322	1RB#38	21.41	23.0	PASS
Band66	15MHz	16QAM	132322	1RB#74	21.50	23.0	PASS
Band66	15MHz	16QAM	132322	38RB#0	21.25	23.0	PASS
Band66	15MHz	16QAM	132322	38RB#18	21.24	23.0	PASS
Band66	15MHz	16QAM	132322	38RB#37	21.27	23.0	PASS
Band66	15MHz	16QAM	132322	75RB#0	20.22	23.0	PASS
Band66	15MHz	16QAM	132597	1RB#0	21.79	23.0	PASS
Band66	15MHz	16QAM	132597	1RB#38	21.81	23.0	PASS
Band66	15MHz	16QAM	132597	1RB#74	21.90	23.0	PASS
Band66	15MHz	16QAM	132597	38RB#0	21.84	23.0	PASS
Band66	15MHz	16QAM	132597	38RB#18	21.83	23.0	PASS
Band66	15MHz	16QAM	132597	38RB#37	21.86	23.0	PASS
Band66	15MHz	16QAM	132597	75RB#0	20.75	23.0	PASS

Band66	20MHz	QPSK	132072	1RB#0	22.24	23.0	PASS
Band66	20MHz	QPSK	132072	1RB#49	22.68	23.0	PASS
Band66	20MHz	QPSK	132072	1RB#99	22.17	23.0	PASS
Band66	20MHz	QPSK	132072	50RB#0	21.35	23.0	PASS
Band66	20MHz	QPSK	132072	50RB#25	21.40	23.0	PASS
Band66	20MHz	QPSK	132072	50RB#50	21.51	23.0	PASS
Band66	20MHz	QPSK	132072	100RB#0	21.46	23.0	PASS
Band66	20MHz	QPSK	132322	1RB#0	22.14	23.0	PASS
Band66	20MHz	QPSK	132322	1RB#49	22.37	23.0	PASS
Band66	20MHz	QPSK	132322	1RB#99	22.28	23.0	PASS
Band66	20MHz	QPSK	132322	50RB#0	21.32	23.0	PASS
Band66	20MHz	QPSK	132322	50RB#25	21.35	23.0	PASS
Band66	20MHz	QPSK	132322	50RB#50	21.31	23.0	PASS
Band66	20MHz	QPSK	132322	100RB#0	21.29	23.0	PASS
Band66	20MHz	QPSK	132572	1RB#0	22.48	23.0	PASS
Band66	20MHz	QPSK	132572	1RB#49	22.93	23.0	PASS
Band66	20MHz	QPSK	132572	1RB#99	22.55	23.0	PASS
Band66	20MHz	QPSK	132572	50RB#0	21.69	23.0	PASS
Band66	20MHz	QPSK	132572	50RB#25	21.70	23.0	PASS
Band66	20MHz	QPSK	132572	50RB#50	21.68	23.0	PASS
Band66	20MHz	QPSK	132572	100RB#0	21.72	23.0	PASS
Band66	20MHz	16QAM	132072	1RB#0	21.24	23.0	PASS
Band66	20MHz	16QAM	132072	1RB#49	21.76	23.0	PASS
Band66	20MHz	16QAM	132072	1RB#99	21.21	23.0	PASS
Band66	20MHz	16QAM	132072	50RB#0	20.38	23.0	PASS
Band66	20MHz	16QAM	132072	50RB#25	20.37	23.0	PASS
Band66	20MHz	16QAM	132072	50RB#50	20.57	23.0	PASS
Band66	20MHz	16QAM	132072	100RB#0	20.46	23.0	PASS
Band66	20MHz	16QAM	132322	1RB#0	21.22	23.0	PASS
Band66	20MHz	16QAM	132322	1RB#49	21.40	23.0	PASS
Band66	20MHz	16QAM	132322	1RB#99	21.32	23.0	PASS
Band66	20MHz	16QAM	132322	50RB#0	20.36	23.0	PASS
Band66	20MHz	16QAM	132322	50RB#25	20.32	23.0	PASS
Band66	20MHz	16QAM	132322	50RB#50	20.34	23.0	PASS
Band66	20MHz	16QAM	132322	100RB#0	20.33	23.0	PASS
Band66	20MHz	16QAM	132572	1RB#0	21.51	23.0	PASS
Band66	20MHz	16QAM	132572	1RB#49	21.87	23.0	PASS

Band66	20MHz	16QAM	132572	1RB#99	21.61	23.0	PASS
Band66	20MHz	16QAM	132572	50RB#0	20.70	23.0	PASS
Band66	20MHz	16QAM	132572	50RB#25	20.73	23.0	PASS
Band66	20MHz	16QAM	132572	50RB#50	20.67	23.0	PASS
Band66	20MHz	16QAM	132572	100RB#0	20.67	23.0	PASS

FDD-LTE Band 71:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune-up power (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	22.13	22.5	PASS
Band71	5MHz	QPSK	133147	1RB#12	22.13	22.5	PASS
Band71	5MHz	QPSK	133147	1RB#24	22.09	22.5	PASS
Band71	5MHz	QPSK	133147	12RB#0	20.95	22.5	PASS
Band71	5MHz	QPSK	133147	12RB#6	21.03	22.5	PASS
Band71	5MHz	QPSK	133147	12RB#13	21.16	22.5	PASS
Band71	5MHz	QPSK	133147	25RB#0	21.13	22.5	PASS
Band71	5MHz	QPSK	133297	1RB#0	21.92	22.5	PASS
Band71	5MHz	QPSK	133297	1RB#12	21.98	22.5	PASS
Band71	5MHz	QPSK	133297	1RB#24	21.85	22.5	PASS
Band71	5MHz	QPSK	133297	12RB#0	20.95	22.5	PASS
Band71	5MHz	QPSK	133297	12RB#6	20.94	22.5	PASS
Band71	5MHz	QPSK	133297	12RB#13	20.99	22.5	PASS
Band71	5MHz	QPSK	133297	25RB#0	21.01	22.5	PASS
Band71	5MHz	QPSK	133447	1RB#0	21.84	22.5	PASS
Band71	5MHz	QPSK	133447	1RB#12	22.01	22.5	PASS
Band71	5MHz	QPSK	133447	1RB#24	22.03	22.5	PASS
Band71	5MHz	QPSK	133447	12RB#0	20.90	22.5	PASS
Band71	5MHz	QPSK	133447	12RB#6	20.90	22.5	PASS
Band71	5MHz	QPSK	133447	12RB#13	20.99	22.5	PASS
Band71	5MHz	QPSK	133447	25RB#0	20.93	22.5	PASS
Band71	5MHz	16QAM	133147	1RB#0	21.22	22.5	PASS
Band71	5MHz	16QAM	133147	1RB#12	21.27	22.5	PASS
Band71	5MHz	16QAM	133147	1RB#24	21.24	22.5	PASS
Band71	5MHz	16QAM	133147	12RB#0	20.03	22.5	PASS
Band71	5MHz	16QAM	133147	12RB#6	19.97	22.5	PASS

Band71	5MHz	16QAM	133147	12RB#13	20.11	22.5	PASS
Band71	5MHz	16QAM	133147	25RB#0	20.14	22.5	PASS
Band71	5MHz	16QAM	133297	1RB#0	20.98	22.5	PASS
Band71	5MHz	16QAM	133297	1RB#12	21.03	22.5	PASS
Band71	5MHz	16QAM	133297	1RB#24	20.91	22.5	PASS
Band71	5MHz	16QAM	133297	12RB#0	19.98	22.5	PASS
Band71	5MHz	16QAM	133297	12RB#6	19.93	22.5	PASS
Band71	5MHz	16QAM	133297	12RB#13	19.97	22.5	PASS
Band71	5MHz	16QAM	133297	25RB#0	20.03	22.5	PASS
Band71	5MHz	16QAM	133447	1RB#0	21.00	22.5	PASS
Band71	5MHz	16QAM	133447	1RB#12	21.19	22.5	PASS
Band71	5MHz	16QAM	133447	1RB#24	21.20	22.5	PASS
Band71	5MHz	16QAM	133447	12RB#0	20.01	22.5	PASS
Band71	5MHz	16QAM	133447	12RB#6	19.92	22.5	PASS
Band71	5MHz	16QAM	133447	12RB#13	20.09	22.5	PASS
Band71	5MHz	16QAM	133447	25RB#0	19.97	22.5	PASS
Band71	10MHz	QPSK	133172	1RB#0	22.15	22.5	PASS
Band71	10MHz	QPSK	133172	1RB#24	22.21	22.5	PASS
Band71	10MHz	QPSK	133172	1RB#49	22.19	22.5	PASS
Band71	10MHz	QPSK	133172	25RB#0	21.10	22.5	PASS
Band71	10MHz	QPSK	133172	25RB#12	21.06	22.5	PASS
Band71	10MHz	QPSK	133172	25RB#25	21.20	22.5	PASS
Band71	10MHz	QPSK	133172	50RB#0	21.13	22.5	PASS
Band71	10MHz	QPSK	133297	1RB#0	22.03	22.5	PASS
Band71	10MHz	QPSK	133297	1RB#24	21.96	22.5	PASS
Band71	10MHz	QPSK	133297	1RB#49	21.84	22.5	PASS
Band71	10MHz	QPSK	133297	25RB#0	21.04	22.5	PASS
Band71	10MHz	QPSK	133297	25RB#12	21.00	22.5	PASS
Band71	10MHz	QPSK	133297	25RB#25	21.06	22.5	PASS
Band71	10MHz	QPSK	133297	50RB#0	21.04	22.5	PASS
Band71	10MHz	QPSK	133422	1RB#0	21.81	22.5	PASS
Band71	10MHz	QPSK	133422	1RB#24	21.96	22.5	PASS
Band71	10MHz	QPSK	133422	1RB#49	22.10	22.5	PASS
Band71	10MHz	QPSK	133422	25RB#0	21.05	22.5	PASS
Band71	10MHz	QPSK	133422	25RB#12	20.97	22.5	PASS
Band71	10MHz	QPSK	133422	25RB#25	21.05	22.5	PASS
Band71	10MHz	QPSK	133422	50RB#0	21.05	22.5	PASS

Band71	10MHz	16QAM	133172	1RB#0	21.39	22.5	PASS
Band71	10MHz	16QAM	133172	1RB#24	21.52	22.5	PASS
Band71	10MHz	16QAM	133172	1RB#49	21.43	22.5	PASS
Band71	10MHz	16QAM	133172	25RB#0	20.08	22.5	PASS
Band71	10MHz	16QAM	133172	25RB#12	20.11	22.5	PASS
Band71	10MHz	16QAM	133172	25RB#25	20.19	22.5	PASS
Band71	10MHz	16QAM	133172	50RB#0	20.13	22.5	PASS
Band71	10MHz	16QAM	133297	1RB#0	21.29	22.5	PASS
Band71	10MHz	16QAM	133297	1RB#24	21.32	22.5	PASS
Band71	10MHz	16QAM	133297	1RB#49	21.05	22.5	PASS
Band71	10MHz	16QAM	133297	25RB#0	20.05	22.5	PASS
Band71	10MHz	16QAM	133297	25RB#12	20.03	22.5	PASS
Band71	10MHz	16QAM	133297	25RB#25	20.01	22.5	PASS
Band71	10MHz	16QAM	133297	50RB#0	20.00	22.5	PASS
Band71	10MHz	16QAM	133422	1RB#0	21.00	22.5	PASS
Band71	10MHz	16QAM	133422	1RB#24	21.17	22.5	PASS
Band71	10MHz	16QAM	133422	1RB#49	21.19	22.5	PASS
Band71	10MHz	16QAM	133422	25RB#0	20.09	22.5	PASS
Band71	10MHz	16QAM	133422	25RB#12	20.09	22.5	PASS
Band71	10MHz	16QAM	133422	25RB#25	20.12	22.5	PASS
Band71	10MHz	16QAM	133422	50RB#0	20.01	22.5	PASS
Band71	15MHz	QPSK	133197	1RB#0	22.15	22.5	PASS
Band71	15MHz	QPSK	133197	1RB#38	22.21	22.5	PASS
Band71	15MHz	QPSK	133197	1RB#74	21.96	22.5	PASS
Band71	15MHz	QPSK	133197	38RB#0	21.37	22.5	PASS
Band71	15MHz	QPSK	133197	38RB#18	21.48	22.5	PASS
Band71	15MHz	QPSK	133197	38RB#37	21.22	22.5	PASS
Band71	15MHz	QPSK	133197	75RB#0	21.23	22.5	PASS
Band71	15MHz	QPSK	133297	1RB#0	22.08	22.5	PASS
Band71	15MHz	QPSK	133297	1RB#38	21.95	22.5	PASS
Band71	15MHz	QPSK	133297	1RB#74	21.78	22.5	PASS
Band71	15MHz	QPSK	133297	38RB#0	21.28	22.5	PASS
Band71	15MHz	QPSK	133297	38RB#18	21.15	22.5	PASS
Band71	15MHz	QPSK	133297	38RB#37	21.01	22.5	PASS
Band71	15MHz	QPSK	133297	75RB#0	21.03	22.5	PASS
Band71	15MHz	QPSK	133397	1RB#0	21.79	22.5	PASS
Band71	15MHz	QPSK	133397	1RB#38	21.90	22.5	PASS

Band71	15MHz	QPSK	133397	1RB#74	21.93	22.5	PASS
Band71	15MHz	QPSK	133397	38RB#0	21.14	22.5	PASS
Band71	15MHz	QPSK	133397	38RB#18	21.15	22.5	PASS
Band71	15MHz	QPSK	133397	38RB#37	21.21	22.5	PASS
Band71	15MHz	QPSK	133397	75RB#0	21.02	22.5	PASS
Band71	15MHz	16QAM	133197	1RB#0	21.31	22.5	PASS
Band71	15MHz	16QAM	133197	1RB#38	21.42	22.5	PASS
Band71	15MHz	16QAM	133197	1RB#74	21.22	22.5	PASS
Band71	15MHz	16QAM	133197	38RB#0	21.33	22.5	PASS
Band71	15MHz	16QAM	133197	38RB#18	21.47	22.5	PASS
Band71	15MHz	16QAM	133197	38RB#37	21.20	22.5	PASS
Band71	15MHz	16QAM	133197	75RB#0	20.26	22.5	PASS
Band71	15MHz	16QAM	133297	1RB#0	21.30	22.5	PASS
Band71	15MHz	16QAM	133297	1RB#38	21.17	22.5	PASS
Band71	15MHz	16QAM	133297	1RB#74	21.00	22.5	PASS
Band71	15MHz	16QAM	133297	38RB#0	21.31	22.5	PASS
Band71	15MHz	16QAM	133297	38RB#18	21.20	22.5	PASS
Band71	15MHz	16QAM	133297	38RB#37	20.97	22.5	PASS
Band71	15MHz	16QAM	133297	75RB#0	20.01	22.5	PASS
Band71	15MHz	16QAM	133397	1RB#0	21.13	22.5	PASS
Band71	15MHz	16QAM	133397	1RB#38	21.16	22.5	PASS
Band71	15MHz	16QAM	133397	1RB#74	21.23	22.5	PASS
Band71	15MHz	16QAM	133397	38RB#0	21.19	22.5	PASS
Band71	15MHz	16QAM	133397	38RB#18	21.17	22.5	PASS
Band71	15MHz	16QAM	133397	38RB#37	21.22	22.5	PASS
Band71	15MHz	16QAM	133397	75RB#0	20.11	22.5	PASS
Band71	20MHz	QPSK	133222	1RB#0	22.02	22.5	PASS
Band71	20MHz	QPSK	133222	1RB#49	22.44	22.5	PASS
Band71	20MHz	QPSK	133222	1RB#99	21.86	22.5	PASS
Band71	20MHz	QPSK	133222	50RB#0	21.34	22.5	PASS
Band71	20MHz	QPSK	133222	50RB#25	21.29	22.5	PASS
Band71	20MHz	QPSK	133222	50RB#50	21.33	22.5	PASS
Band71	20MHz	QPSK	133222	100RB#0	21.25	22.5	PASS
Band71	20MHz	QPSK	133322	1RB#0	22.00	22.5	PASS
Band71	20MHz	QPSK	133322	1RB#49	22.13	22.5	PASS
Band71	20MHz	QPSK	133322	1RB#99	21.79	22.5	PASS
Band71	20MHz	QPSK	133322	50RB#0	21.00	22.5	PASS

Band71	20MHz	QPSK	133322	50RB#25	20.93	22.5	PASS
Band71	20MHz	QPSK	133322	50RB#50	20.77	22.5	PASS
Band71	20MHz	QPSK	133322	100RB#0	20.85	22.5	PASS
Band71	20MHz	QPSK	133372	1RB#0	21.82	22.5	PASS
Band71	20MHz	QPSK	133372	1RB#49	22.00	22.5	PASS
Band71	20MHz	QPSK	133372	1RB#99	21.82	22.5	PASS
Band71	20MHz	QPSK	133372	50RB#0	21.03	22.5	PASS
Band71	20MHz	QPSK	133372	50RB#25	20.99	22.5	PASS
Band71	20MHz	QPSK	133372	50RB#50	20.96	22.5	PASS
Band71	20MHz	QPSK	133372	100RB#0	20.95	22.5	PASS
Band71	20MHz	16QAM	133222	1RB#0	21.09	22.5	PASS
Band71	20MHz	16QAM	133222	1RB#49	21.49	22.5	PASS
Band71	20MHz	16QAM	133222	1RB#99	20.89	22.5	PASS
Band71	20MHz	16QAM	133222	50RB#0	20.32	22.5	PASS
Band71	20MHz	16QAM	133222	50RB#25	20.31	22.5	PASS
Band71	20MHz	16QAM	133222	50RB#50	20.34	22.5	PASS
Band71	20MHz	16QAM	133222	100RB#0	20.32	22.5	PASS
Band71	20MHz	16QAM	133322	1RB#0	21.10	22.5	PASS
Band71	20MHz	16QAM	133322	1RB#49	21.11	22.5	PASS
Band71	20MHz	16QAM	133322	1RB#99	20.76	22.5	PASS
Band71	20MHz	16QAM	133322	50RB#0	19.97	22.5	PASS
Band71	20MHz	16QAM	133322	50RB#25	19.94	22.5	PASS
Band71	20MHz	16QAM	133322	50RB#50	19.87	22.5	PASS
Band71	20MHz	16QAM	133322	100RB#0	19.90	22.5	PASS
Band71	20MHz	16QAM	133372	1RB#0	21.00	22.5	PASS
Band71	20MHz	16QAM	133372	1RB#49	21.14	22.5	PASS
Band71	20MHz	16QAM	133372	1RB#99	20.91	22.5	PASS
Band71	20MHz	16QAM	133372	50RB#0	20.03	22.5	PASS
Band71	20MHz	16QAM	133372	50RB#25	19.99	22.5	PASS
Band71	20MHz	16QAM	133372	50RB#50	19.99	22.5	PASS
Band71	20MHz	16QAM	133372	100RB#0	19.99	22.5	PASS

TDD-LTE Band 41:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune-up power (dBm)	Verdict
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Band41	5MHz	QPSK	40065	1RB#0	22.63	23.0	PASS
Band41	5MHz	QPSK	40065	1RB#12	22.72	23.0	PASS
Band41	5MHz	QPSK	40065	1RB#24	22.61	23.0	PASS
Band41	5MHz	QPSK	40065	12RB#0	21.68	23.0	PASS
Band41	5MHz	QPSK	40065	12RB#6	21.68	23.0	PASS
Band41	5MHz	QPSK	40065	12RB#13	21.70	23.0	PASS
Band41	5MHz	QPSK	40065	25RB#0	21.76	23.0	PASS
Band41	5MHz	QPSK	40265	1RB#0	22.87	23.0	PASS
Band41	5MHz	QPSK	40265	1RB#12	22.91	23.0	PASS
Band41	5MHz	QPSK	40640	1RB#0	22.34	23.0	PASS
Band41	5MHz	QPSK	40640	1RB#12	22.41	23.0	PASS
Band41	5MHz	QPSK	40640	1RB#24	22.24	23.0	PASS
Band41	5MHz	QPSK	40640	12RB#0	21.41	23.0	PASS
Band41	5MHz	QPSK	40640	12RB#6	21.43	23.0	PASS
Band41	5MHz	QPSK	40640	12RB#13	21.34	23.0	PASS
Band41	5MHz	QPSK	40640	25RB#0	21.38	23.0	PASS
Band41	5MHz	QPSK	41215	1RB#0	21.49	23.0	PASS
Band41	5MHz	QPSK	41215	1RB#12	21.61	23.0	PASS
Band41	5MHz	QPSK	41215	1RB#24	21.53	23.0	PASS
Band41	5MHz	QPSK	41215	12RB#0	20.63	23.0	PASS
Band41	5MHz	QPSK	41215	12RB#6	20.58	23.0	PASS
Band41	5MHz	QPSK	41215	12RB#13	20.57	23.0	PASS
Band41	5MHz	QPSK	41215	25RB#0	20.62	23.0	PASS
Band41	5MHz	16QAM	40065	1RB#0	22.02	23.0	PASS
Band41	5MHz	16QAM	40065	1RB#12	22.09	23.0	PASS
Band41	5MHz	16QAM	40065	1RB#24	21.98	23.0	PASS
Band41	5MHz	16QAM	40065	12RB#0	20.61	23.0	PASS
Band41	5MHz	16QAM	40065	12RB#6	20.62	23.0	PASS
Band41	5MHz	16QAM	40065	12RB#13	20.62	23.0	PASS
Band41	5MHz	16QAM	40065	25RB#0	20.73	23.0	PASS
Band41	5MHz	16QAM	40265	1RB#0	22.19	23.0	PASS
Band41	5MHz	16QAM	40265	1RB#12	22.33	23.0	PASS
Band41	5MHz	16QAM	40640	1RB#0	21.73	23.0	PASS
Band41	5MHz	16QAM	40640	1RB#12	21.78	23.0	PASS
Band41	5MHz	16QAM	40640	1RB#24	21.61	23.0	PASS
Band41	5MHz	16QAM	40640	12RB#0	20.27	23.0	PASS
Band41	5MHz	16QAM	40640	12RB#6	20.34	23.0	PASS

Band41	5MHz	16QAM	40640	12RB#13	20.27	23.0	PASS
Band41	5MHz	16QAM	40640	25RB#0	20.35	23.0	PASS
Band41	5MHz	16QAM	41215	1RB#0	20.87	23.0	PASS
Band41	5MHz	16QAM	41215	1RB#12	21.01	23.0	PASS
Band41	5MHz	16QAM	41215	1RB#24	20.95	23.0	PASS
Band41	5MHz	16QAM	41215	12RB#0	19.52	23.0	PASS
Band41	5MHz	16QAM	41215	12RB#6	19.54	23.0	PASS
Band41	5MHz	16QAM	41215	12RB#13	19.56	23.0	PASS
Band41	5MHz	16QAM	41215	25RB#0	19.54	23.0	PASS
Band41	10MHz	QPSK	40090	1RB#0	22.67	23.0	PASS
Band41	10MHz	QPSK	40090	1RB#24	22.93	23.0	PASS
Band41	10MHz	QPSK	40090	1RB#49	22.68	23.0	PASS
Band41	10MHz	QPSK	40090	25RB#0	21.80	23.0	PASS
Band41	10MHz	QPSK	40090	25RB#12	21.80	23.0	PASS
Band41	10MHz	QPSK	40090	25RB#25	21.81	23.0	PASS
Band41	10MHz	QPSK	40090	50RB#0	21.78	23.0	PASS
Band41	10MHz	QPSK	40640	1RB#0	22.50	23.0	PASS
Band41	10MHz	QPSK	40640	1RB#24	22.64	23.0	PASS
Band41	10MHz	QPSK	40640	1RB#49	22.19	23.0	PASS
Band41	10MHz	QPSK	40640	25RB#0	21.53	23.0	PASS
Band41	10MHz	QPSK	40640	25RB#12	21.54	23.0	PASS
Band41	10MHz	QPSK	40640	25RB#25	21.41	23.0	PASS
Band41	10MHz	QPSK	40640	50RB#0	21.47	23.0	PASS
Band41	10MHz	QPSK	41190	1RB#0	21.46	23.0	PASS
Band41	10MHz	QPSK	41190	1RB#24	21.72	23.0	PASS
Band41	10MHz	QPSK	41190	1RB#49	21.56	23.0	PASS
Band41	10MHz	QPSK	41190	25RB#0	20.65	23.0	PASS
Band41	10MHz	QPSK	41190	25RB#12	20.63	23.0	PASS
Band41	10MHz	QPSK	41190	25RB#25	20.58	23.0	PASS
Band41	10MHz	QPSK	41190	50RB#0	20.62	23.0	PASS
Band41	10MHz	16QAM	40090	1RB#0	22.06	23.0	PASS
Band41	10MHz	16QAM	40090	1RB#24	22.32	23.0	PASS
Band41	10MHz	16QAM	40090	1RB#49	22.01	23.0	PASS
Band41	10MHz	16QAM	40090	25RB#0	20.85	23.0	PASS
Band41	10MHz	16QAM	40090	25RB#12	20.83	23.0	PASS
Band41	10MHz	16QAM	40090	25RB#25	20.80	23.0	PASS
Band41	10MHz	16QAM	40090	50RB#0	20.73	23.0	PASS

Band41	10MHz	16QAM	40640	1RB#0	21.39	23.0	PASS
Band41	10MHz	16QAM	40640	1RB#24	21.56	23.0	PASS
Band41	10MHz	16QAM	40640	1RB#49	21.13	23.0	PASS
Band41	10MHz	16QAM	40640	25RB#0	20.51	23.0	PASS
Band41	10MHz	16QAM	40640	25RB#12	20.49	23.0	PASS
Band41	10MHz	16QAM	40640	25RB#25	20.35	23.0	PASS
Band41	10MHz	16QAM	40640	50RB#0	20.45	23.0	PASS
Band41	10MHz	16QAM	41190	1RB#0	20.81	23.0	PASS
Band41	10MHz	16QAM	41190	1RB#24	21.09	23.0	PASS
Band41	10MHz	16QAM	41190	1RB#49	20.92	23.0	PASS
Band41	10MHz	16QAM	41190	25RB#0	19.67	23.0	PASS
Band41	10MHz	16QAM	41190	25RB#12	19.67	23.0	PASS
Band41	10MHz	16QAM	41190	25RB#25	19.60	23.0	PASS
Band41	10MHz	16QAM	41190	50RB#0	19.61	23.0	PASS
Band41	15MHz	QPSK	40115	1RB#0	22.57	23.0	PASS
Band41	15MHz	QPSK	40115	1RB#38	22.74	23.0	PASS
Band41	15MHz	QPSK	40115	1RB#74	22.45	23.0	PASS
Band41	15MHz	QPSK	40115	38RB#0	21.75	23.0	PASS
Band41	15MHz	QPSK	40115	38RB#18	21.74	23.0	PASS
Band41	15MHz	QPSK	40115	38RB#37	21.74	23.0	PASS
Band41	15MHz	QPSK	40115	75RB#0	21.76	23.0	PASS
Band41	15MHz	QPSK	40640	1RB#0	22.41	23.0	PASS
Band41	15MHz	QPSK	40640	1RB#38	22.45	23.0	PASS
Band41	15MHz	QPSK	40640	1RB#74	22.04	23.0	PASS
Band41	15MHz	QPSK	40640	38RB#0	21.38	23.0	PASS
Band41	15MHz	QPSK	40640	38RB#18	21.39	23.0	PASS
Band41	15MHz	QPSK	40640	38RB#37	21.41	23.0	PASS
Band41	15MHz	QPSK	40640	75RB#0	21.39	23.0	PASS
Band41	15MHz	QPSK	41165	1RB#0	21.38	23.0	PASS
Band41	15MHz	QPSK	41165	1RB#38	21.44	23.0	PASS
Band41	15MHz	QPSK	41165	1RB#74	21.33	23.0	PASS
Band41	15MHz	QPSK	41165	38RB#0	20.56	23.0	PASS
Band41	15MHz	QPSK	41165	38RB#18	20.54	23.0	PASS
Band41	15MHz	QPSK	41165	38RB#37	20.54	23.0	PASS
Band41	15MHz	QPSK	41165	75RB#0	20.54	23.0	PASS
Band41	15MHz	16QAM	40115	1RB#0	21.96	23.0	PASS
Band41	15MHz	16QAM	40115	1RB#38	22.11	23.0	PASS

Band41	15MHz	16QAM	40115	1RB#74	21.91	23.0	PASS
Band41	15MHz	16QAM	40115	38RB#0	21.75	23.0	PASS
Band41	15MHz	16QAM	40115	38RB#18	21.76	23.0	PASS
Band41	15MHz	16QAM	40115	38RB#37	21.74	23.0	PASS
Band41	15MHz	16QAM	40115	75RB#0	20.68	23.0	PASS
Band41	15MHz	16QAM	40640	1RB#0	21.48	23.0	PASS
Band41	15MHz	16QAM	40640	1RB#38	21.48	23.0	PASS
Band41	15MHz	16QAM	40640	1RB#74	21.03	23.0	PASS
Band41	15MHz	16QAM	40640	38RB#0	21.37	23.0	PASS
Band41	15MHz	16QAM	40640	38RB#18	21.38	23.0	PASS
Band41	15MHz	16QAM	40640	38RB#37	21.40	23.0	PASS
Band41	15MHz	16QAM	40640	75RB#0	20.31	23.0	PASS
Band41	15MHz	16QAM	41165	1RB#0	20.71	23.0	PASS
Band41	15MHz	16QAM	41165	1RB#38	20.79	23.0	PASS
Band41	15MHz	16QAM	41165	1RB#74	20.71	23.0	PASS
Band41	15MHz	16QAM	41165	38RB#0	20.53	23.0	PASS
Band41	15MHz	16QAM	41165	38RB#18	20.54	23.0	PASS
Band41	15MHz	16QAM	41165	38RB#37	20.54	23.0	PASS
Band41	15MHz	16QAM	41165	75RB#0	19.50	23.0	PASS
Band41	20MHz	QPSK	40140	1RB#0	22.47	23.0	PASS
Band41	20MHz	QPSK	40140	1RB#49	22.97	23.0	PASS
Band41	20MHz	QPSK	40140	1RB#99	22.36	23.0	PASS
Band41	20MHz	QPSK	40140	50RB#0	21.73	23.0	PASS
Band41	20MHz	QPSK	40140	50RB#25	21.71	23.0	PASS
Band41	20MHz	QPSK	40140	50RB#50	21.72	23.0	PASS
Band41	20MHz	QPSK	40140	100RB#0	21.72	23.0	PASS
Band41	20MHz	QPSK	40640	1RB#0	22.28	23.0	PASS
Band41	20MHz	QPSK	40640	1RB#49	22.59	23.0	PASS
Band41	20MHz	QPSK	40640	1RB#99	21.77	23.0	PASS
Band41	20MHz	QPSK	40640	50RB#0	21.50	23.0	PASS
Band41	20MHz	QPSK	40640	50RB#25	21.51	23.0	PASS
Band41	20MHz	QPSK	40640	50RB#50	21.23	23.0	PASS
Band41	20MHz	QPSK	40640	100RB#0	21.35	23.0	PASS
Band41	20MHz	QPSK	41140	1RB#0	21.45	22.0	PASS
Band41	20MHz	QPSK	41140	1RB#49	21.60	22.0	PASS
Band41	20MHz	QPSK	41140	1RB#99	21.23	22.0	PASS
Band41	20MHz	QPSK	41140	50RB#0	20.61	22.0	PASS

Band41	20MHz	QPSK	41140	50RB#25	20.63	22.0	PASS
Band41	20MHz	QPSK	41140	50RB#50	20.36	22.0	PASS
Band41	20MHz	QPSK	41140	100RB#0	20.48	22.0	PASS
Band41	20MHz	16QAM	40140	1RB#0	21.70	23.0	PASS
Band41	20MHz	16QAM	40140	1RB#49	22.09	23.0	PASS
Band41	20MHz	16QAM	40140	1RB#99	21.61	23.0	PASS
Band41	20MHz	16QAM	40140	50RB#0	20.74	23.0	PASS
Band41	20MHz	16QAM	40140	50RB#25	20.71	23.0	PASS
Band41	20MHz	16QAM	40140	50RB#50	20.69	23.0	PASS
Band41	20MHz	16QAM	40140	100RB#0	20.68	23.0	PASS
Band41	20MHz	16QAM	40640	1RB#0	20.96	23.0	PASS
Band41	20MHz	16QAM	40640	1RB#49	21.21	23.0	PASS
Band41	20MHz	16QAM	40640	1RB#99	20.46	23.0	PASS
Band41	20MHz	16QAM	40640	50RB#0	20.54	23.0	PASS
Band41	20MHz	16QAM	40640	50RB#25	20.54	23.0	PASS
Band41	20MHz	16QAM	40640	50RB#50	20.23	23.0	PASS
Band41	20MHz	16QAM	40640	100RB#0	20.33	23.0	PASS
Band41	20MHz	16QAM	41140	1RB#0	20.57	22.0	PASS
Band41	20MHz	16QAM	41140	1RB#49	20.77	22.0	PASS
Band41	20MHz	16QAM	41140	1RB#99	20.45	22.0	PASS
Band41	20MHz	16QAM	41140	50RB#0	19.62	22.0	PASS
Band41	20MHz	16QAM	41140	50RB#25	19.58	22.0	PASS
Band41	20MHz	16QAM	41140	50RB#50	19.34	22.0	PASS
Band41	20MHz	16QAM	41140	100RB#0	19.42	22.0	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. 6 When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

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

3. Per KDB941225 D05 v02r05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1

RB allocations, and

the highest reported SAR for 1 RB and 50% RB allocation in 5.2.1 and 5.2.2 are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

4. Per KDB941225 D05 v02r05, For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in 5.2.1, 5.2.2, and 5.2.3 to determine the QAM configurations that may need SAR measurement. For each configuration

identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> \frac{1}{2}$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

WLAN(2.4GHz)					
Test Mode	Data Rate	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11b	11bps	CH 01	2412	12.45	12.5
		CH 06	2437	12.70	13.0
		CH 11	2462	12.62	13.0
802.11g	54Mbps	CH 01	2412	8.68	9.0
		CH 06	2437	9.21	9.5
		CH 11	2462	8.81	9.0
802.11n (20MHz)	MCS7	CH 01	2412	8.37	8.5
		CH 06	2437	9.08	9.5
		CH 11	2462	8.87	9.0
802.11n (40MHz)	MCS7	CH 03	2422	5.07	5.5
		CH 06	2437	5.10	5.5
		CH 09	2452	5.27	5.5

WLAN(5.2GHz)				
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11a	CH 36	5180	11.44	11.5
	CH 40	5200	11.42	11.5
	CH 48	5240	11.76	12.0
802.11n (HT20)	CH 36	5180	10.56	11.0
	CH 40	5200	10.69	11.0
	CH 48	5240	11.11	11.5
802.11n (HT40)	CH 38	5190	9.63	10.0
	CH 46	5230	9.73	10.0
802.11ac (80MHz)	CH42	5210	8.82	9.0

WLAN(5.3GHz)				
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11a	CH 52	5260	11.51	12.0
	CH 56	5280	11.84	12.0
	CH 64	5320	11.94	12.0
802.11n (20MHz)	CH 52	5260	10.44	11.0
	CH 56	5280	10.68	11.0
	CH 64	5320	10.52	11.0
802.11n (40MHz)	CH 54	5270	9.48	10.0
	CH 62	5310	9.57	10.0
802.11ac (80MHz)	CH58	5290	8.52	9.0

WLAN(5.8GHz)				
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
802.11a	CH 149	5745	8.81	9.0
	CH 157	5785	8.29	8.5
	CH 165	5825	8.20	8.5
802.11n (20MHz)	CH 149	5745	7.87	8.0
	CH 157	5785	7.59	8.0
	CH 165	5825	7.06	7.5
802.11n (40MHz)	CH 151	5755	7.86	8.0
	CH 159	5795	7.58	8.0
802.11ac (80MHz)	CH 155	5775	6.79	7.0

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 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	2.06	2.5
Pi/4 QDPSK	2Mbps	1.38	1.5
8DPSK	3Mbps	1.41	1.5

Bluetooth - Maximum Average Power					
Test Mode	Data Rate	Channel	Frequency (MHz)	Conducted Power(dBm)	Tune-up power (dBm)
BLE	1Mbps	CH 00	2402	-5.84	-5.0
		CH 19	2440	-5.49	-5.0
		CH 39	2480	-5.2	-5.0
	2bps	CH 00	2402	-5.67	-5.0
		CH 19	2440	-5.36	-5.0
		CH 39	2480	-4.93	-4.5

Remark:

Bluetooth maximum output power is 2.06dBm and Maximum Tune-Up output power is 2.5dBm. Per KDB 447498 D01 V06, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

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

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before 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
2.5	1.78	5	2.480	0.56	3

The exclusion threshold is 0.56 < 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 Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	GSM	Right Cheek	251	848.8	32.82	33.0	1.042	0.399	0.416
	GSM	Right Tilted	251	848.8	32.82	33.0	1.042	0.235	0.245
	GSM	Left Cheek	251	848.8	32.82	33.0	1.042	0.394	0.411
	GSM	Left Tilted	251	848.8	32.82	33.0	1.042	0.221	0.230
	GSM	Right Cheek	128	824.2	32.74	33.0	1.062	0.320	0.340
1.	GSM	Right Cheek	190	836.6	32.74	33.0	1.062	0.395	0.419

GPRS850 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	GPRS_3TX	Right Cheek	190	836.6	31.27	31.5	1.054	0.506	0.534
	GPRS_3TX	Right Tilted	190	836.6	31.27	31.5	1.054	0.343	0.362
	GPRS_3TX	Left Cheek	190	836.6	31.27	31.5	1.054	0.519	0.547
	GPRS_3TX	Left Tilted	190	836.6	31.27	31.5	1.054	0.354	0.373
2.	GPRS_3TX	Left Cheek	128	824.2	30.66	31.5	1.213	0.634	0.769
	GPRS_3TX	Left Cheek	251	848.8	31.21	31.5	1.069	0.596	0.637

GSM1900 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	M Hz					
	GSM	Right Cheek	810	1909.8	30.26	30.5	1.057	0.285	0.301
	GSM	Right Tilted	810	1909.8	30.26	30.5	1.057	0.255	0.269
	GSM	Left Cheek	810	1909.8	30.26	30.5	1.057	0.388	0.410
	GSM	Left Tilted	810	1909.8	30.26	30.5	1.057	0.356	0.376
3.	GSM	Left Cheek	512	1850.2	29.31	30.5	1.315	0.404	0.531
	GSM	Left Cheek	661	1880	30.02	30.5	1.117	0.380	0.424

GPRS1900 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	M Hz					
	GPRS_4TX	Right Cheek	810	1909.8	26.77	27.0	1.054	0.548	0.578
	GPRS_4TX	Right Tilted	810	1909.8	26.77	27.0	1.054	0.348	0.367
	GPRS_4TX	Left Cheek	810	1909.8	26.77	27.0	1.054	0.697	0.735
	GPRS_4TX	Left Tilted	810	1909.8	26.77	27.0	1.054	0.532	0.561
	GPRS_4TX	Left Cheek	512	1850.2	25.36	27.0	1.459	0.526	0.767
4.	GPRS_4TX	Left Cheek	661	1880	26.33	27.0	1.167	0.668	0.779

WCDMA Band 2 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC	Right Cheek	9400	1880.0	23.61	24.0	1.094	0.546	0.597
	RMC	Right Tilted	9400	1880.0	23.61	24.0	1.094	0.453	0.496
	RMC	Left Cheek	9400	1880.0	23.61	24.0	1.094	0.307	0.336
	RMC	Left Tilted	9400	1880.0	23.61	24.0	1.094	0.207	0.226
	RMC	Right Cheek	9262	1852.4	23.44	24.0	1.138	0.674	0.767
5.	RMC	Right Cheek	9538	1907.6	23.60	24.0	1.096	0.772	0.846

WCDMA Band 4 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC	Right Cheek	1312	1712.4	21.78	22.0	1.052	0.600	0.631
	RMC	Right Tilted	1312	1712.4	21.78	22.0	1.052	0.535	0.563
	RMC	Left Cheek	1312	1712.4	21.78	22.0	1.052	0.415	0.437
	RMC	Left Tilted	1312	1712.4	21.78	22.0	1.052	0.341	0.359
	RMC	Right Cheek	1412	1732.4	21.63	22.0	1.089	0.597	0.650
6.	RMC	Right Cheek	1513	1752.6	21.76	22.0	1.057	0.683	0.722

WCDMA Band 5 – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC	Right Cheek	4132	826.4	23.52	24.0	1.117	0.281	0.314
	RMC	Right Tilted	4132	826.4	23.52	24.0	1.117	0.187	0.209
	RMC	Left Cheek	4132	826.4	23.52	24.0	1.117	0.364	0.407
	RMC	Left Tilted	4132	826.4	23.52	24.0	1.117	0.236	0.264
7.	RMC	Left Cheek	4183	836.4	23.39	24.0	1.117	0.361	0.415
	RMC	Left Cheek	4233	846.6	23.44	24.0	1.117	0.344	0.391

LTE Band 2– Head SAR Test									
Plot No.	Mode	Test Position Head	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	1860.0	23.75	24.0	1.059	0.554	0.587	
	QPSK 20MHz 1RB	Right Tilted	1860.0	23.75	24.0	1.059	0.454	0.481	
	QPSK 20MHz 1RB	Left Cheek	1860.0	23.75	24.0	1.059	0.391	0.414	
	QPSK 20MHz 1RB	Left Tilted	1860.0	23.75	24.0	1.059	0.289	0.306	
	QPSK 20MHz 1RB	Right Cheek	1880	23.48	24.0	1.127	0.630	0.710	
8.	QPSK 20MHz 1RB	Right Cheek	1900	23.19	24.0	1.205	0.610	0.735	
	QPSK 20MHz 50%RB	Right Cheek	1860.0	23.75	24.0	1.059	0.534	0.566	
	QPSK 20MHz 50%RB	Right Tilted	1860.0	23.75	24.0	1.059	0.423	0.448	
	QPSK 20MHz 50%RB	Left Cheek	1860.0	23.75	24.0	1.059	0.289	0.306	
	QPSK 20MHz 50%RB	Left Tilted	1860.0	23.75	24.0	1.059	0.198	0.210	
	QPSK 20MHz 50%RB	Right Cheek	1880	23.48	24.0	1.127	0.560	0.631	
	QPSK 20MHz 50%RB	Right Cheek	1900	23.19	24.0	1.205	0.523	0.630	

LTE Band 4– Head SAR Test								
Plot No.	Mode	Test Position Head	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	1720	22.10	22.5	1.096	0.574	0.629
	QPSK 20MHz 1RB	Right Tilted	1720	22.10	22.5	1.096	0.440	0.482
	QPSK 20MHz 1RB	Left Cheek	1720	22.10	22.5	1.096	0.430	0.471
	QPSK 20MHz 1RB	Left Tilted	1720	22.10	22.5	1.096	0.321	0.352
	QPSK 20MHz 1RB	Right Cheek	1732.5	21.78	22.5	1.180	0.515	0.608
	QPSK 20MHz 1RB	Right Cheek	1745.0	21.74	22.5	1.191	0.510	0.608
	QPSK 20MHz 50%RB	Right Cheek	1720	22.10	22.5	1.096	0.543	0.595
	QPSK 20MHz 50%RB	Right Tilted	1720	22.10	22.5	1.096	0.358	0.393
	QPSK 20MHz 50%RB	Left Cheek	1720	22.10	22.5	1.096	0.365	0.400
	QPSK 20MHz 50%RB	Left Tilted	1720	22.10	22.5	1.096	0.236	0.259
	QPSK 20MHz 50%RB	Right Cheek	1732.5	21.78	22.5	1.180	0.510	0.602
	QPSK 20MHz 50%RB	Right Cheek	1745.0	21.74	22.5	1.191	0.498	0.593

LTE Band 5– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR 1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
10.	QPSK 10MHz 1RB	Right Cheek	844	23.31	23.5	1.045	0.531	0.555
	QPSK 10MHz 1RB	Right Tilted	844	23.31	23.5	1.045	0.453	0.473
	QPSK 10MHz 1RB	Left Cheek	844	23.31	23.5	1.045	0.460	0.481
	QPSK 10MHz 1RB	Left Tilted	844	23.31	23.5	1.045	0.350	0.366
	QPSK 10MHz 1RB	Right Cheek	829	22.90	23.5	1.148	0.456	0.524
	QPSK 10MHz 1RB	Right Cheek	836.5	23.04	23.5	1.112	0.478	0.531
	QPSK 10MHz 50%RB	Right Cheek	844	23.31	23.5	1.045	0.512	0.535
	QPSK 10MHz 50%RB	Right Tilted	844	23.31	23.5	1.045	0.435	0.454
	QPSK 10MHz 50%RB	Left Cheek	844	23.31	23.5	1.045	0.423	0.442
	QPSK 10MHz 50%RB	Left Tilted	844	23.31	23.5	1.045	0.235	0.246
	QPSK 10MHz 50%RB	Right Cheek	829	22.90	23.5	1.148	0.425	0.488
	QPSK 10MHz 50%RB	Right Cheek	836.5	23.04	23.5	1.112	0.433	0.481

LTE Band 12– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
11.	QPSK 10MHz 1RB	Right Cheek	711	22.70	23.0	1.072	0.418	0.448
	QPSK 10MHz 1RB	Right Tilted	711	22.70	23.0	1.072	0.357	0.383
	QPSK 10MHz 1RB	Left Cheek	711	22.70	23.0	1.072	0.413	0.443
	QPSK 10MHz 1RB	Left Tilted	711	22.70	23.0	1.072	0.335	0.359
	QPSK 10MHz 1RB	Right Cheek	704	22.55	23.0	1.109	0.373	0.414
	QPSK 10MHz 1RB	Right Cheek	707.5	22.59	23.0	1.099	0.401	0.441
	QPSK 10MHz 50%RB	Right Cheek	711	22.70	23.0	1.072	0.405	0.434
	QPSK 10MHz 50%RB	Right Tilted	711	22.70	23.0	1.072	0.324	0.347
	QPSK 10MHz 50%RB	Left Cheek	711	22.70	23.0	1.072	0.401	0.430
	QPSK 10MHz 50%RB	Left Tilted	711	22.70	23.0	1.072	0.235	0.252
	QPSK 10MHz 50%RB	Right Cheek	704	22.55	23.0	1.109	0.351	0.389
	QPSK 10MHz 50%RB	Right Cheek	707.5	22.59	23.0	1.099	0.396	0.435

LTE Band 13– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
12.	QPSK 10MHz 1RB	Right Cheek	782	22.99	23.0	1.002	0.327	0.328
	QPSK 10MHz 1RB	Right Tilted	782	22.99	23.0	1.002	0.287	0.288
	QPSK 10MHz 1RB	Left Cheek	782	22.99	23.0	1.002	0.261	0.262
	QPSK 10MHz 1RB	Left Tilted	782	22.99	23.0	1.002	0.256	0.257
	QPSK 10MHz 50%RB	Right Cheek	782	22.99	23.0	1.002	0.227	0.228
	QPSK 10MHz 50%RB	Right Tilted	782	22.99	23.0	1.002	0.185	0.185
	QPSK 10MHz 50%RB	Left Cheek	782	22.99	23.0	1.002	0.169	0.169
	QPSK 10MHz 50%RB	Left Tilted	782	22.99	23.0	1.002	0.158	0.158

LTE Band 17– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 10MHz 1RB	Right Cheek	711	22.66	23.0	1.081	0.402	0.435
	QPSK 10MHz 1RB	Right Tilted	711	22.66	23.0	1.081	0.357	0.386
	QPSK 10MHz 1RB	Left Cheek	711	22.66	23.0	1.081	0.423	0.457
	QPSK 10MHz 1RB	Left Tilted	711	22.66	23.0	1.081	0.414	0.448
13.	QPSK 10MHz 1RB	Left Cheek	709	22.37	23.0	1.156	0.416	0.481
	QPSK 10MHz 1RB	Left Cheek	710	22.60	23.0	1.096	0.410	0.450
	QPSK 10MHz 50%RB	Right Cheek	711	22.66	23.0	1.081	0.395	0.427
	QPSK 10MHz 50%RB	Right Tilted	711	22.66	23.0	1.081	0.234	0.253
	QPSK 10MHz 50%RB	Left Cheek	711	22.66	23.0	1.081	0.405	0.438
	QPSK 10MHz 50%RB	Left Tilted	711	22.66	23.0	1.081	0.356	0.385
	QPSK 10MHz 50%RB	Left Cheek	709	22.37	23.0	1.156	0.402	0.465
	QPSK 10MHz 50%RB	Left Cheek	710	22.60	23.0	1.096	0.403	0.442

LTE Band 25–Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 20MHz 1RB	Right Cheek	1882.5	23.34	23.5	1.038	0.427	0.443
	QPSK 20MHz 1RB	Right Tilted	1882.5	23.34	23.5	1.038	0.412	0.427
	QPSK 20MHz 1RB	Left Cheek	1882.5	23.34	23.5	1.038	0.310	0.322
	QPSK 20MHz 1RB	Left Tilted	1882.5	23.34	23.5	1.038	0.268	0.278
	QPSK 20MHz 1RB	Right Cheek	1860	23.31	23.5	1.045	0.434	0.453
14.	QPSK 20MHz 1RB	Right Cheek	1905	23.02	23.5	1.117	0.456	0.509
	QPSK 20MHz 50%RB	Right Cheek	1882.5	23.34	23.5	1.038	0.410	0.425
	QPSK 20MHz 50%RB	Right Tilted	1882.5	23.34	23.5	1.038	0.398	0.413
	QPSK 20MHz 50%RB	Left Cheek	1882.5	23.34	23.5	1.038	0.267	0.277
	QPSK 20MHz 50%RB	Left Tilted	1882.5	23.34	23.5	1.038	0.159	0.165
	QPSK 20MHz 50%RB	Right Cheek	1860	23.31	23.5	1.045	0.334	0.349
	QPSK 20MHz 50%RB	Right Cheek	1905	23.02	23.5	1.117	0.357	0.399

LTE Band 26(814-824MHz)–Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 10MHz 1RB	Right Cheek	819	23.15	23.5	1.084	0.421	0.456
	QPSK 10MHz 1RB	Right Tilted	819	23.15	23.5	1.084	0.410	0.444
15.	QPSK 10MHz 1RB	Left Cheek	819	23.15	23.5	1.084	0.447	0.485
	QPSK 10MHz 1RB	Left Tilted	819	23.15	23.5	1.084	0.435	0.472
	QPSK 10MHz 50%RB	Right Cheek	819	23.15	23.5	1.084	0.357	0.387
	QPSK 10MHz 50%RB	Right Tilted	819	23.15	23.5	1.084	0.340	0.369
	QPSK 10MHz 50%RB	Left Cheek	819	23.15	23.5	1.084	0.398	0.431
	QPSK 10MHz 50%RB	Left Tilted	819	23.15	23.5	1.084	0.324	0.351

LTE Band 26(824-849MHz)– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 15MHz 1RB	Right Cheek	831.5	23.44	23.5	1.014	0.431	0.437
	QPSK 15MHz 1RB	Right Tilted	831.5	23.44	23.5	1.014	0.357	0.362
	QPSK 15MHz 1RB	Left Cheek	831.5	23.44	23.5	1.014	0.487	0.494
	QPSK 15MHz 1RB	Left Tilted	831.5	23.44	23.5	1.014	0.429	0.435
	QPSK 15MHz 1RB	Left Cheek	836.5	23.41	23.5	1.021	0.491	0.501
16.	QPSK 15MHz 1RB	Left Cheek	841.5	23.03	23.5	1.114	0.468	0.521
	QPSK 15MHz 50%RB	Right Cheek	831.5	23.44	23.5	1.014	0.411	0.417
	QPSK 15MHz 50%RB	Right Tilted	831.5	23.44	23.5	1.014	0.289	0.293
	QPSK 15MHz 50%RB	Left Cheek	831.5	23.44	23.5	1.014	0.378	0.383
	QPSK 15MHz 50%RB	Left Tilted	831.5	23.44	23.5	1.014	0.321	0.325
	QPSK 15MHz 50%RB	Left Cheek	836.5	23.41	23.5	1.021	0.458	0.468
	QPSK 15MHz 50%RB	Left Cheek	841.5	23.03	23.5	1.114	0.432	0.481

LTE Band66– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 20MHz 1RB	Right Cheek	1770	22.93	23.0	1.016	0.507	0.515
	QPSK 20MHz 1RB	Right Tilted	1770	22.93	23.0	1.016	0.408	0.415
	QPSK 20MHz 1RB	Left Cheek	1770	22.93	23.0	1.016	0.386	0.392
	QPSK 20MHz 1RB	Left Tilted	1770	22.93	23.0	1.016	0.254	0.258
	QPSK 20MHz 1RB	Right Cheek	1720	22.68	23.0	1.076	0.520	0.560
17.	QPSK 20MHz 1RB	Right Cheek	1745	22.37	23.0	1.156	0.511	0.591
	QPSK 20MHz 50%RB	Right Cheek	1770	22.93	23.0	1.016	0.455	0.462
	QPSK 20MHz 50%RB	Right Tilted	1770	22.93	23.0	1.016	0.397	0.403
	QPSK 20MHz 50%RB	Left Cheek	1770	22.93	23.0	1.016	0.285	0.290
	QPSK 20MHz 50%RB	Left Tilted	1770	22.93	23.0	1.016	0.146	0.148
	QPSK 20MHz 50%RB	Right Cheek	1720	22.68	23.0	1.076	0.468	0.504
	QPSK 20MHz 50%RB	Right Cheek	1745	22.37	23.0	1.156	0.435	0.503

LTE Band 71– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 20MHz 1RB	Right Cheek	673	22.44	22.5	1.014	0.353	0.358
	QPSK 20MHz 1RB	Right Tilted	673	22.44	22.5	1.014	0.222	0.225
	QPSK 20MHz 1RB	Left Cheek	673	22.44	22.5	1.014	0.329	0.334
	QPSK 20MHz 1RB	Left Tilted	673	22.44	22.5	1.014	0.201	0.204
18.	QPSK 20MHz 1RB	Right Cheek	680.5	22.13	22.5	1.089	0.480	0.523
	QPSK 20MHz 1RB	Right Cheek	688	22.00	22.5	1.122	0.460	0.516
	QPSK 20MHz 50%RB	Right Cheek	673	22.44	22.5	1.014	0.324	0.329
	QPSK 20MHz 50%RB	Right Tilted	673	22.44	22.5	1.014	0.219	0.222
	QPSK 20MHz 50%RB	Left Cheek	673	22.44	22.5	1.014	0.310	0.314
	QPSK 20MHz 50%RB	Left Tilted	673	22.44	22.5	1.014	0.124	0.126
	QPSK 20MHz 50%RB	Right Cheek	680.5	22.13	22.5	1.089	0.350	0.381
	QPSK 20MHz 50%RB	Right Cheek	688	22.00	22.5	1.122	0.321	0.360

LTE Band 41(2535-2655MHz)– Head SAR Test								
Plot No.	Mode	Test Position Head	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	16QAM 20MHz 1RB	Right Cheek	2545	22.97	23.0	1.007	0.841	0.847
	16QAM 20MHz 1RB	Right Tilted	2545	22.97	23.0	1.007	0.785	0.790
	16QAM 20MHz 1RB	Left Cheek	2545	22.97	23.0	1.007	0.649	0.653
	16QAM 20MHz 1RB	Left Tilted	2545	22.97	23.0	1.007	0.543	0.547
19.	16QAM 20MHz 1RB	Right Cheek	2595	22.59	23.0	1.099	0.803	0.883
	16QAM 20MHz 1RB	Right Cheek	2645	21.60	22.0	1.096	0.534	0.586
	16QAM 20MHz 50%RB	Right Cheek	2545	22.97	23.0	1.007	0.824	0.830
	16QAM 20MHz 50%RB	Right Tilted	2545	22.97	23.0	1.007	0.685	0.690
	16QAM 20MHz 50%RB	Left Cheek	2545	22.97	23.0	1.007	0.521	0.525
	16QAM 20MHz 50%RB	Left Tilted	2545	22.97	23.0	1.007	0.456	0.459
	16QAM 20MHz 50%RB	Right Cheek	2595	22.59	23.0	1.099	0.705	0.775
	16QAM 20MHz 50%RB	Right Cheek	2645	21.60	22.0	1.096	0.436	0.478

WLAN 2.4GHz – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11b	Right Cheek	06	2437	12.70	13.0	1.072	0.064	0.069
	802.11b	Right Tilted	06	2437	12.70	13.0	1.072	0.047	0.050
20.	802.11b	Left Cheek	06	2437	12.70	13.0	1.072	0.098	0.105
	802.11b	Left Tilted	06	2437	12.70	13.0	1.072	0.061	0.065
	802.11b	Left Cheek	01	2412	12.45	12.5	1.012	0.076	0.077
	802.11b	Left Cheek	11	2462	12.62	13.0	1.091	0.068	0.074

WLAN 5.2GHz – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
21.	802.11a	Right Cheek	48	5240	11.76	12.0	1.057	0.523	0.553
	802.11a	Right Tilted	48	5240	11.76	12.0	1.057	0.321	0.339
	802.11a	Left Cheek	48	5240	11.76	12.0	1.057	0.497	0.525
	802.11a	Left Tilted	48	5240	11.76	12.0	1.057	0.249	0.263
	802.11a	Right Cheek	36	5180	11.44	11.5	1.014	0.520	0.527
	802.11a	Right Cheek	40	5200	11.42	11.5	1.019	0.485	0.494

WLAN 5.3GHz – Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Right Cheek	64	5320	11.94	12.0	1.014	0.490	0.497
	802.11a	Right Tilted	64	5320	11.94	12.0	1.014	0.231	0.234
	802.11a	Left Cheek	64	5320	11.94	12.0	1.014	0.619	0.628
	802.11a	Left Tilted	64	5320	11.94	12.0	1.014	0.452	0.458
22.	802.11a	Left Cheek	52	5260	11.51	12.0	1.119	0.568	0.636
	802.11a	Left Cheek	56	5280	11.84	12.0	1.038	0.479	0.497

WLAN 5.8GHz– Head SAR Test									
Plot No.	Mode	Test Position Head	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Right Cheek	149	5745	8.81	9.0	1.045	0.458	0.478
	802.11a	Right Tilted	149	5745	8.81	9.0	1.045	0.241	0.252
23.	802.11a	Left Cheek	149	5745	8.81	9.0	1.045	0.660	0.690
	802.11a	Left Tilted	149	5745	8.81	9.0	1.045	0.430	0.449
	802.11a	Left Cheek	157	5785	8.29	8.5	1.050	0.545	0.572
	802.11a	Left Cheek	165	5825	8.20	8.5	1.072	0.563	0.603

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 Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
24.	GSM	Back Side	251	848.8	32.82	33.0	1.042	0.408	0.425
	GSM	Front Side	251	848.8	32.82	33.0	1.042	0.282	0.294
	GSM	Back Side	128	824.2	32.74	33.0	1.062	0.373	0.396
	GSM	Back Side	190	836.6	32.74	33.0	1.062	0.388	0.412

GSM1900 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	GSM	Back Side	810	1909.8	30.26	30.5	1.057	0.140	0.148
	GSM	Front Side	810	1909.8	30.26	30.5	1.057	0.112	0.118
25.	GSM	Back Side	512	1850.2	29.31	30.5	1.315	0.125	0.164
	GSM	Back Side	661	1880	30.02	30.5	1.117	0.126	0.141

WCDMA Band 2 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC 12.2k	Back Side	9400	1880.0	23.61	24.0	1.094	0.739	0.808
	RMC 12.2k	Front Side	9400	1880.0	23.61	24.0	1.094	0.583	0.638
	RMC 12.2k	Back Side	9262	1852.4	23.44	24.0	1.138	0.751	0.854
26.	RMC 12.2k	Back Side	9538	1907.6	23.60	24.0	1.096	0.808	0.886

WCDMA Band 4 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC 12.2k	Back Side	1312	1712.4	21.78	22.0	1.052	0.667	0.702
	RMC 12.2k	Front Side	1312	1712.4	21.78	22.0	1.052	0.426	0.448
	RMC 12.2k	Back Side	1412	1732.4	21.63	22.0	1.089	0.650	0.708
27.	RMC 12.2k	Back Side	1513	1752.6	21.76	22.0	1.057	0.688	0.727

WCDMA Band 5 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
28.	RMC 12.2k	Back Side	4132	826.4	23.52	24.0	1.117	0.420	0.469
	RMC 12.2k	Front Side	4132	826.4	23.52	24.0	1.117	0.189	0.211
	RMC 12.2k	Back Side	4183	836.4	23.39	24.0	1.151	0.359	0.413
	RMC 12.2k	Back Side	4233	846.6	23.44	24.0	1.138	0.369	0.420

LTE Band 2–Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR 1g (W/kg)	Scaled SAR1g (W/kg)	
	Modulation, Bandwidth, RB		MHz						
	QPSK 20MHz 1RB	Back Side	1860.0	23.75	24.0	1.059	0.735	0.779	
	QPSK 20MHz 1RB	Front Side	1860.0	23.75	24.0	1.059	0.359	0.380	
	QPSK 20MHz 1RB	Back Side	1880	23.48	24.0	1.127	0.740	0.834	
29.	QPSK 20MHz 1RB	Back Side	1900	23.19	24.0	1.205	0.745	0.898	
	QPSK 20MHz 50%RB	Back Side	1860.0	23.75	24.0	1.059	0.716	0.758	
	QPSK 20MHz 50%RB	Front Side	1860.0	23.75	24.0	1.059	0.326	0.345	
	QPSK 20MHz 50%RB	Back Side	1880	23.48	24.0	1.127	0.718	0.809	
	QPSK 20MHz 50%RB	Back Side	1900	23.19	24.0	1.205	0.721	0.869	

LTE Band 4–Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR 1g (W/kg)	Scaled SAR1g (W/kg)	
	Modulation, Bandwidth, RB		MHz						
	QPSK 20MHz 1RB	Back Side	1720	22.10	22.5	1.096	0.750	0.822	
	QPSK 20MHz 1RB	Front Side	1720	22.10	22.5	1.096	0.274	0.300	
	QPSK 20MHz 1RB	Back Side	1732.5	21.78	22.5	1.180	0.748	0.883	
30.	QPSK 20MHz 1RB	Back Side	1745.0	21.74	22.5	1.191	0.745	0.887	
	QPSK 20MHz 50%RB	Back Side	1720	22.10	22.5	1.096	0.721	0.791	
	QPSK 20MHz 50%RB	Front Side	1720	22.10	22.5	1.096	0.252	0.276	
	QPSK 20MHz 50%RB	Back Side	1732.5	21.78	22.5	1.180	0.723	0.853	
	QPSK 20MHz 50%RB	Back Side	1745.0	21.74	22.5	1.191	0.728	0.867	

LTE Band 5–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR 1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 10MHz 1RB	Back Side	844	23.31	23.5	1.045	0.374	0.391
	QPSK 10MHz 1RB	Front Side	844	23.31	23.5	1.045	0.135	0.141
31.	QPSK 10MHz 1RB	Back Side	829	22.90	23.5	1.148	0.392	0.450
	QPSK 10MHz 1RB	Back Side	836.5	23.04	23.5	1.112	0.382	0.425
	QPSK 10MHz 50%RB	Back Side	844	23.31	23.5	1.045	0.345	0.360
	QPSK 10MHz 50%RB	Front Side	844	23.31	23.5	1.045	0.122	0.127
	QPSK 10MHz 50%RB	Back Side	829	22.90	23.5	1.148	0.321	0.369
	QPSK 10MHz 50%RB	Back Side	836.5	23.04	23.5	1.112	0.352	0.391

LTE Band 12–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
32.	QPSK 10MHz 1RB	Back Side	711	22.70	23.0	1.072	0.459	0.492
	QPSK 10MHz 1RB	Front Side	711	22.70	23.0	1.072	0.186	0.199
	QPSK 10MHz 1RB	Back Side	704	22.55	23.0	1.109	0.411	0.456
	QPSK 10MHz 1RB	Back Side	707.5	22.59	23.0	1.099	0.430	0.473
	QPSK 10MHz 50%RB	Back Side	711	22.70	23.0	1.072	0.378	0.405
	QPSK 10MHz 50%RB	Front Side	711	22.70	23.0	1.072	0.154	0.165
	QPSK 10MHz 50%RB	Back Side	704	22.55	23.0	1.109	0.322	0.357
	QPSK 10MHz 50%RB	Back Side	707.5	22.59	23.0	1.099	0.345	0.379

LTE Band 13–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
33.	QPSK 10MHz 1RB	Back Side	782	22.99	23.0	1.002	0.320	0.321
	QPSK 10MHz 1RB	Front Side	782	22.99	23.0	1.002	0.060	0.060
	QPSK 10MHz 50%RB	Back Side	782	22.99	23.0	1.002	0.222	0.223
	QPSK 10MHz 50%RB	Front Side	782	22.99	23.0	1.002	0.045	0.045

LTE Band 17–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 10MHz 1RB	Back Side	711	22.66	23.0	1.081	0.428	0.463
	QPSK 10MHz 1RB	Front Side	711	22.66	23.0	1.081	0.179	0.194
	QPSK 10MHz 1RB	Back Side	709	22.37	23.0	1.156	0.422	0.488
34.	QPSK 10MHz 1RB	Back Side	710	22.60	23.0	1.096	0.457	0.501
	QPSK 10MHz 50%RB	Back Side	711	22.66	23.0	1.081	0.389	0.421
	QPSK 10MHz 50%RB	Front Side	711	22.66	23.0	1.081	0.153	0.165
	QPSK 10MHz 50%RB	Back Side	709	22.37	23.0	1.156	0.322	0.372
	QPSK 10MHz 50%RB	Back Side	710	22.60	23.0	1.096	0.345	0.378

LTE Band 25–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 20MHz 1RB	Back Side	1882.5	23.34	23.5	1.038	0.712	0.739
	QPSK 20MHz 1RB	Front Side	1882.5	23.34	23.5	1.038	0.372	0.386
	QPSK 20MHz 1RB	Back Side	1860	23.31	23.5	1.045	0.689	0.720
35.	QPSK 20MHz 1RB	Back Side	1905	23.02	23.5	1.117	0.701	0.783
	QPSK 20MHz 50%RB	Back Side	1882.5	23.34	23.5	1.038	0.701	0.727
	QPSK 20MHz 50%RB	Front Side	1882.5	23.34	23.5	1.038	0.367	0.381
	QPSK 20MHz 50%RB	Back Side	1860	23.31	23.5	1.045	0.657	0.686
	QPSK 20MHz 50%RB	Back Side	1905	23.02	23.5	1.117	0.676	0.755

LTE Band 26(814-824MHz)–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
36.	QPSK 10MHz 1RB	Back Side	819	23.15	23.5	1.084	0.389	0.422
	QPSK 10MHz 1RB	Front Side	819	23.15	23.5	1.084	0.132	0.143
	QPSK 10MHz 50%RB	Back Side	819	23.15	23.5	1.084	0.256	0.277
	QPSK 10MHz 50%RB	Front Side	819	23.15	23.5	1.084	0.102	0.111

LTE Band 26(824-849MHz)–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
37.	QPSK 15MHz 1RB	Back Side	831.5	23.44	23.5	1.014	0.417	0.423
	QPSK 15MHz 1RB	Front Side	831.5	23.44	23.5	1.014	0.150	0.152
	QPSK 15MHz 1RB	Back Side	836.5	23.41	23.5	1.021	0.377	0.385
	QPSK 15MHz 1RB	Back Side	841.5	23.03	23.5	1.114	0.379	0.422
	QPSK 15MHz 50%RB	Back Side	831.5	23.44	23.5	1.014	0.345	0.350
	QPSK 15MHz 50%RB	Front Side	831.5	23.44	23.5	1.014	0.121	0.123
	QPSK 15MHz 50%RB	Back Side	836.5	23.41	23.5	1.021	0.256	0.261
	QPSK 15MHz 50%RB	Back Side	841.5	23.03	23.5	1.114	0.350	0.390

LTE Band 66–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 20MHz 1RB	Back Side	1770	22.93	23.0	1.016	0.697	0.708
	QPSK 20MHz 1RB	Front Side	1770	22.93	23.0	1.016	0.336	0.341
	QPSK 20MHz 1RB	Front Side	1720	22.68	23.0	1.076	0.640	0.689
38.	QPSK 20MHz 1RB	Front Side	1745	22.37	23.0	1.156	0.675	0.780
	QPSK 20MHz 50%RB	Back Side	1770	22.93	23.0	1.016	0.553	0.562
	QPSK 20MHz 50%RB	Front Side	1770	22.93	23.0	1.016	0.310	0.315
	QPSK 20MHz 50%RB	Front Side	1720	22.68	23.0	1.076	0.532	0.573
	QPSK 20MHz 50%RB	Front Side	1745	22.37	23.0	1.156	0.514	0.594

LTE Band 71–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 20MHz 1RB	Back Side	673	22.44	22.5	1.014	0.426	0.432
	QPSK 20MHz 1RB	Front Side	673	22.44	22.5	1.014	0.356	0.361
	QPSK 20MHz 1RB	Back Side	680.5	22.13	22.5	1.089	0.433	0.472
39.	QPSK 20MHz 1RB	Back Side	688	22.00	22.5	1.122	0.435	0.488
	QPSK 20MHz 50%RB	Back Side	673	22.44	22.5	1.014	0.411	0.417
	QPSK 20MHz 50%RB	Front Side	673	22.44	22.5	1.014	0.253	0.257
	QPSK 20MHz 50%RB	Back Side	680.5	22.13	22.5	1.089	0.420	0.457
	QPSK 20MHz 50%RB	Back Side	688	22.00	22.5	1.122	0.413	0.463

LTE Band 41(2535-2655MHz)–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 20MHz 1RB	Back Side	2545	22.97	23.0	1.007	0.148	0.149
40.	QPSK 20MHz 1RB	Front Side	2545	22.97	23.0	1.007	0.608	0.612
	QPSK 20MHz 1RB	Front Side	2595	22.59	23.0	1.099	0.445	0.489
	QPSK 20MHz 1RB	Front Side	2645	21.60	22.0	1.096	0.271	0.297
	QPSK 20MHz 50%RB	Back Side	2545	22.97	23.0	1.007	0.122	0.123
	QPSK 20MHz 50%RB	Front Side	2545	22.97	23.0	1.007	0.503	0.506
	QPSK 20MHz 50%RB	Front Side	2595	22.59	23.0	1.099	0.330	0.363
	QPSK 20MHz 50%RB	Front Side	2645	21.60	22.0	1.096	0.221	0.242

WLAN 2.4GHz –Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11b	Back Face	06	2437	12.70	13.0	1.072	0.040	0.043
	802.11b	Front Face	06	2437	12.70	13.0	1.072	0.025	0.027
	802.11b	Back Face	01	2412	12.45	12.5	1.012	0.061	0.062
41.	802.11b	Back Face	11	2462	12.62	13.0	1.091	0.064	0.070

WLAN 5.2GHz –Body SAR Test(Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Back Face	48	5240	11.76	12.0	1.057	0.279	0.295
	802.11a	Front Face	48	5240	11.76	12.0	1.057	0.077	0.081
42.	802.11a	Back Face	36	5180	11.44	11.5	1.014	0.582	0.590
	802.11a	Back Face	40	5200	11.42	11.5	1.019	0.572	0.583

WLAN 5.3GHz –Body SAR Test(Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
43.	802.11a	Back Face	64	5320	11.94	12.0	1.014	0.595	0.603
	802.11a	Front Face	64	5320	11.94	12.0	1.014	0.177	0.179
	802.11a	Back Face	52	5260	11.51	12.0	1.119	0.485	0.543
	802.11a	Back Face	56	5280	11.84	12.0	1.038	0.502	0.521

WLAN 5.8GHz –Body SAR Test(Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Back Face	149	5745	8.81	9.0	1.045	0.570	0.595
	802.11a	Front Face	149	5745	8.81	9.0	1.045	0.150	0.157
	802.11a	Back Face	157	5785	8.29	8.5	1.050	0.529	0.555
44.	802.11a	Back Face	165	5825	8.20	8.5	1.072	0.611	0.655

Hotspot SAR

GSM850 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	GPRS_3TX	Back Side	190	836.6	31.27	31.5	1.054	0.468	0.493
	GPRS_3TX	Front Side	190	836.6	31.27	31.5	1.054	0.345	0.364
	GPRS_3TX	Right side	190	836.6	31.27	31.5	1.054	0.256	0.270
	GPRS_3TX	Left side	190	836.6	31.27	31.5	1.054	0.273	0.288
	GPRS_3TX	Bottom side	190	836.6	31.27	31.5	1.054	0.393	0.414
45.	GPRS_3TX	Back Side	128	824.2	30.66	31.5	1.213	0.632	0.767
	GPRS_3TX	Back Side	251	848.8	31.21	31.5	1.069	0.684	0.731

GSM1900 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	GPRS_4TX	Back Side	810	1909.8	26.77	27.0	1.054	0.643	0.678
	GPRS_4TX	Front Side	810	1909.8	26.77	27.0	1.054	0.423	0.446
	GPRS_4TX	Left side	810	1909.8	26.77	27.0	1.054	0.329	0.347
	GPRS_4TX	Top Side	810	1909.8	26.77	27.0	1.054	0.416	0.439
46.	GPRS_4TX	Back Side	512	1850.2	25.36	27.0	1.459	0.608	0.887
	GPRS_4TX	Back Side	661	1880	26.33	27.0	1.167	0.650	0.758

WCDMA Band 2 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC 12.2k	Back Side	9400	1880.0	23.61	24.0	1.094	0.739	0.808
	RMC 12.2k	Front Side	9400	1880.0	23.61	24.0	1.094	0.583	0.638
	RMC 12.2k	Left side	9400	1880.0	23.61	24.0	1.094	0.365	0.399
	RMC 12.2k	Top Side	9400	1880.0	23.61	24.0	1.094	0.318	0.348
	RMC 12.2k	Back Side	9262	1852.4	23.44	24.0	1.138	0.751	0.854
47.	RMC 12.2k	Back Side	9538	1907.6	23.60	24.0	1.096	0.808	0.886

WCDMA Band 4 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC 12.2k	Back Side	1312	1712.4	21.78	22.0	1.052	0.667	0.702
	RMC 12.2k	Front Side	1312	1712.4	21.78	22.0	1.052	0.426	0.448
	RMC 12.2k	Left side	1312	1712.4	21.78	22.0	1.052	0.353	0.371
	RMC 12.2k	Top Side	1312	1712.4	21.78	22.0	1.052	0.329	0.346
	RMC 12.2k	Back Side	1412	1732.4	21.63	22.0	1.089	0.650	0.708
48.	RMC 12.2k	Back Side	1513	1752.6	21.76	22.0	1.057	0.688	0.727

WCDMA Band 5 – Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
49.	RMC 12.2k	Back Side	4132	826.4	23.52	24.0	1.117	0.420	0.469
	RMC 12.2k	Front Side	4132	826.4	23.52	24.0	1.117	0.189	0.211
	RMC 12.2k	Right side	4132	826.4	23.52	24.0	1.117	0.135	0.151
	RMC 12.2k	Left side	4132	826.4	23.52	24.0	1.117	0.141	0.157
	RMC 12.2k	Bottom side	4132	826.4	23.52	24.0	1.117	0.075	0.084
	RMC 12.2k	Back Side	4183	836.4	23.39	24.0	1.151	0.359	0.413
	RMC 12.2k	Back Side	4233	846.6	23.44	24.0	1.138	0.369	0.420

LTE Band 2–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 20MHz 1RB	Back Side	1860.0	23.75	24.0	1.059	0.735	0.779
	QPSK 20MHz 1RB	Front Side	1860.0	23.75	24.0	1.059	0.359	0.380
	QPSK 20MHz 1RB	Left side	1860.0	23.75	24.0	1.059	0.287	0.304
	QPSK 20MHz 1RB	Top Side	1860.0	23.75	24.0	1.059	0.239	0.253
	QPSK 20MHz 1RB	Back Side	1880	23.48	24.0	1.127	0.740	0.834
50.	QPSK 20MHz 1RB	Back Side	1900	23.19	24.0	1.205	0.745	0.898
	QPSK 20MHz 50%RB	Back Side	1860.0	23.75	24.0	1.059	0.716	0.758
	QPSK 20MHz 50%RB	Front Side	1860.0	23.75	24.0	1.059	0.326	0.345
	QPSK 20MHz 50%RB	Left side	1860.0	23.75	24.0	1.059	0.258	0.273
	QPSK 20MHz 50%RB	Top Side	1860.0	23.75	24.0	1.059	0.212	0.225
	QPSK 20MHz 50%RB	Back Side	1880	23.48	24.0	1.127	0.718	0.809
	QPSK 20MHz 50%RB	Back Side	1900	23.19	24.0	1.205	0.721	0.869

LTE Band 4–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 20MHz 1RB	Back Side	1720	22.10	22.5	1.096	0.750	0.822
	QPSK 20MHz 1RB	Front Side	1720	22.10	22.5	1.096	0.274	0.300
	QPSK 20MHz 1RB	Left side	1720	22.10	22.5	1.096	0.198	0.217
	QPSK 20MHz 1RB	Top Side	1720	22.10	22.5	1.096	0.165	0.181
	QPSK 20MHz 1RB	Back Side	1732.5	21.78	22.5	1.180	0.748	0.883
51.	QPSK 20MHz 1RB	Back Side	1745.0	21.74	22.5	1.191	0.745	0.887
	QPSK 20MHz 50%RB	Back Side	1720	22.10	22.5	1.096	0.721	0.791
	QPSK 20MHz 50%RB	Front Side	1720	22.10	22.5	1.096	0.252	0.276
	QPSK 20MHz 50%RB	Left side	1720	22.10	22.5	1.096	0.164	0.180
	QPSK 20MHz 50%RB	Top Side	1720	22.10	22.5	1.096	0.137	0.150
	QPSK 20MHz 50%RB	Back Side	1732.5	21.78	22.5	1.180	0.723	0.853
	QPSK 20MHz 50%RB	Back Side	1745.0	21.74	22.5	1.191	0.728	0.867

LTE Band 5–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 10MHz 1RB	Back Side	844	23.31	23.5	1.045	0.374	0.391
	QPSK 10MHz 1RB	Front Side	844	23.31	23.5	1.045	0.135	0.141
	QPSK 10MHz 1RB	Right side	844	23.31	23.5	1.045	0.210	0.219
	QPSK 10MHz 1RB	Left side	844	23.31	23.5	1.045	0.245	0.256
	QPSK 10MHz 1RB	Bottom side	844	23.31	23.5	1.045	0.095	0.099
52.	QPSK 10MHz 1RB	Back Side	829	22.90	23.5	1.148	0.392	0.450
	QPSK 10MHz 1RB	Back Side	836.5	23.04	23.5	1.112	0.382	0.425
	QPSK 10MHz 50%RB	Back Side	844	23.31	23.5	1.045	0.345	0.360
	QPSK 10MHz 50%RB	Front Side	844	23.31	23.5	1.045	0.122	0.127
	QPSK 10MHz 50%RB	Right side	844	23.31	23.5	1.045	0.198	0.207
	QPSK 10MHz 50%RB	Left side	844	23.31	23.5	1.045	0.231	0.241
	QPSK 10MHz 50%RB	Bottom side	844	23.31	23.5	1.045	0.089	0.093
	QPSK 10MHz 50%RB	Back Side	829	22.90	23.5	1.148	0.321	0.369
	QPSK 10MHz 50%RB	Back Side	836.5	23.04	23.5	1.112	0.352	0.391

LTE Band 12–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
53.	QPSK 10MHz 1RB	Back Side	711	22.70	23.0	1.072	0.459	0.492
	QPSK 10MHz 1RB	Front Side	711	22.70	23.0	1.072	0.186	0.199
	QPSK 10MHz 1RB	Right side	711	22.70	23.0	1.072	0.321	0.344
	QPSK 10MHz 1RB	Left side	711	22.70	23.0	1.072	0.253	0.271
	QPSK 10MHz 1RB	Bottom side	711	22.70	23.0	1.072	0.080	0.086
	QPSK 10MHz 1RB	Back Side	704	22.55	23.0	1.109	0.411	0.456
	QPSK 10MHz 1RB	Back Side	707.5	22.59	23.0	1.099	0.430	0.473
	QPSK 10MHz 50%RB	Back Side	711	22.70	23.0	1.072	0.378	0.405
	QPSK 10MHz 50%RB	Front Side	711	22.70	23.0	1.072	0.154	0.165
	QPSK 10MHz 50%RB	Right side	711	22.70	23.0	1.072	0.223	0.239
	QPSK 10MHz 50%RB	Left side	711	22.70	23.0	1.072	0.201	0.215
	QPSK 10MHz 50%RB	Bottom side	711	22.70	23.0	1.072	0.070	0.075
	QPSK 10MHz 50%RB	Back Side	704	22.55	23.0	1.109	0.322	0.357
	QPSK 10MHz 50%RB	Back Side	707.5	22.59	23.0	1.099	0.345	0.379

LTE Band 13–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
54.	QPSK 10MHz 1RB	Back Side	782	22.99	23.0	1.002	0.320	0.321
	QPSK 10MHz 1RB	Front Side	782	22.99	23.0	1.002	0.060	0.060
	QPSK 10MHz 1RB	Right side	782	22.99	23.0	1.002	0.022	0.022
	QPSK 10MHz 1RB	Left side	782	22.99	23.0	1.002	0.045	0.045
	QPSK 10MHz 1RB	Bottom side	782	22.99	23.0	1.002	0.099	0.099
	QPSK 10MHz 50%RB	Back Side	782	22.99	23.0	1.002	0.222	0.223
	QPSK 10MHz 50%RB	Front Side	782	22.99	23.0	1.002	0.045	0.045
	QPSK 10MHz 50%RB	Right side	782	22.99	23.0	1.002	0.012	0.012
	QPSK 10MHz 50%RB	Left side	782	22.99	23.0	1.002	0.033	0.033
	QPSK 10MHz 50%RB	Bottom side	782	22.99	23.0	1.002	0.078	0.078

LTE Band 17–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 10MHz 1RB	Back Side	711	22.66	23.0	1.081	0.428	0.463
	QPSK 10MHz 1RB	Front Side	711	22.66	23.0	1.081	0.179	0.194
	QPSK 10MHz 1RB	Right side	711	22.66	23.0	1.081	0.320	0.346
	QPSK 10MHz 1RB	Left side	711	22.66	23.0	1.081	0.140	0.151
	QPSK 10MHz 1RB	Bottom side	711	22.66	23.0	1.081	0.252	0.273
	QPSK 10MHz 1RB	Back Side	709	22.37	23.0	1.156	0.422	0.488
55.	QPSK 10MHz 1RB	Back Side	710	22.60	23.0	1.096	0.457	0.501
	QPSK 10MHz 50%RB	Back Side	711	22.66	23.0	1.081	0.389	0.421
	QPSK 10MHz 50%RB	Front Side	711	22.66	23.0	1.081	0.153	0.165
	QPSK 10MHz 50%RB	Right side	711	22.66	23.0	1.081	0.235	0.254
	QPSK 10MHz 50%RB	Left side	711	22.66	23.0	1.081	0.110	0.119
	QPSK 10MHz 50%RB	Bottom side	711	22.66	23.0	1.081	0.132	0.143
	QPSK 10MHz 50%RB	Back Side	709	22.37	23.0	1.156	0.322	0.372
	QPSK 10MHz 50%RB	Back Side	710	22.60	23.0	1.096	0.345	0.378

LTE Band 25–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 20MHz 1RB	Back Side	1882.5	23.34	23.5	1.038	0.712	0.739
	QPSK 20MHz 1RB	Front Side	1882.5	23.34	23.5	1.038	0.372	0.386
	QPSK 20MHz 1RB	Left side	1882.5	23.34	23.5	1.038	0.286	0.297
	QPSK 20MHz 1RB	Top Side	1882.5	23.34	23.5	1.038	0.264	0.274
	QPSK 20MHz 1RB	Back Side	1860	23.31	23.5	1.045	0.689	0.720
56.	QPSK 20MHz 1RB	Back Side	1905	23.02	23.5	1.117	0.701	0.783
	QPSK 20MHz 50%RB	Back Side	1882.5	23.34	23.5	1.038	0.701	0.727
	QPSK 20MHz 50%RB	Front Side	1882.5	23.34	23.5	1.038	0.367	0.381
	QPSK 20MHz 50%RB	Left side	1882.5	23.34	23.5	1.038	0.268	0.278
	QPSK 20MHz 50%RB	Top Side	1882.5	23.34	23.5	1.038	0.246	0.255
	QPSK 20MHz 50%RB	Back Side	1860	23.31	23.5	1.045	0.657	0.686
	QPSK 20MHz 50%RB	Back Side	1905	23.02	23.5	1.117	0.676	0.755

LTE Band 26(814-824MHz)–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
57.	QPSK 10MHz 1RB	Back Side	819	23.15	23.5	1.084	0.389	0.422
	QPSK 10MHz 1RB	Front Side	819	23.15	23.5	1.084	0.132	0.143
	QPSK 10MHz 1RB	Right side	819	23.15	23.5	1.084	0.201	0.218
	QPSK 10MHz 1RB	Left side	819	23.15	23.5	1.084	0.102	0.111
	QPSK 10MHz 1RB	Bottom side	819	23.15	23.5	1.084	0.132	0.143
	QPSK 10MHz 50%RB	Back Side	819	23.15	23.5	1.084	0.256	0.277
	QPSK 10MHz 50%RB	Front Side	819	23.15	23.5	1.084	0.102	0.111
	QPSK 10MHz 50%RB	Right side	819	23.15	23.5	1.084	0.153	0.166
	QPSK 10MHz 50%RB	Left side	819	23.15	23.5	1.084	0.100	0.108
	QPSK 10MHz 50%RB	Bottom side	819	23.15	23.5	1.084	0.112	0.121

LTE Band 26(824-849MHz)–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
58.	QPSK 15MHz 1RB	Back Side	831.5	23.44	23.5	1.014	0.417	0.423
	QPSK 15MHz 1RB	Front Side	831.5	23.44	23.5	1.014	0.150	0.152
	QPSK 15MHz 1RB	Right side	831.5	23.44	23.5	1.014	0.310	0.314
	QPSK 15MHz 1RB	Left side	831.5	23.44	23.5	1.014	0.150	0.152
	QPSK 15MHz 1RB	Bottom side	831.5	23.44	23.5	1.014	0.277	0.281
	QPSK 15MHz 1RB	Back Side	836.5	23.41	23.5	1.021	0.377	0.385
	QPSK 15MHz 1RB	Back Side	841.5	23.03	23.5	1.114	0.379	0.422
	QPSK 15MHz 50%RB	Back Side	831.5	23.44	23.5	1.014	0.345	0.350
	QPSK 15MHz 50%RB	Front Side	831.5	23.44	23.5	1.014	0.121	0.123
	QPSK 15MHz 50%RB	Right side	831.5	23.44	23.5	1.014	0.234	0.237
	QPSK 15MHz 50%RB	Left side	831.5	23.44	23.5	1.014	0.132	0.134
	QPSK 15MHz 50%RB	Bottom side	831.5	23.44	23.5	1.014	0.270	0.274
	QPSK 15MHz 50%RB	Back Side	836.5	23.41	23.5	1.021	0.256	0.261
	QPSK 15MHz 50%RB	Back Side	841.5	23.03	23.5	1.114	0.350	0.390

LTE Band 66–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 20MHz 1RB	Back Side	1770	22.93	23.0	1.016	0.697	0.708
	QPSK 20MHz 1RB	Front Side	1770	22.93	23.0	1.016	0.336	0.341
	QPSK 20MHz 1RB	Left side	1770	22.93	23.0	1.016	0.321	0.326
	QPSK 20MHz 1RB	Top Side	1770	22.93	23.0	1.016	0.540	0.549
	QPSK 20MHz 1RB	Front Side	1720	22.68	23.0	1.076	0.640	0.689
59.	QPSK 20MHz 1RB	Front Side	1745	22.37	23.0	1.156	0.675	0.780
	QPSK 20MHz 50%RB	Back Side	1770	22.93	23.0	1.016	0.553	0.562
	QPSK 20MHz 50%RB	Front Side	1770	22.93	23.0	1.016	0.310	0.315
	QPSK 20MHz 50%RB	Left side	1770	22.93	23.0	1.016	0.298	0.303
	QPSK 20MHz 50%RB	Top Side	1770	22.93	23.0	1.016	0.440	0.447
	QPSK 20MHz 50%RB	Front Side	1720	22.68	23.0	1.076	0.532	0.573
	QPSK 20MHz 50%RB	Front Side	1745	22.37	23.0	1.156	0.514	0.594

LTE Band 71–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 20MHz 1RB	Back Side	673	22.44	22.5	1.014	0.426	0.432
	QPSK 20MHz 1RB	Front Side	673	22.44	22.5	1.014	0.356	0.361
	QPSK 20MHz 1RB	Right Side	673	22.44	22.5	1.014	0.220	0.223
	QPSK 20MHz 1RB	Left side	673	22.44	22.5	1.014	0.231	0.234
	QPSK 20MHz 1RB	Bottom side	673	22.44	22.5	1.014	0.341	0.346
	QPSK 20MHz 1RB	Back Side	680.5	22.13	22.5	1.089	0.433	0.472
60.	QPSK 20MHz 1RB	Back Side	688	22.00	22.5	1.122	0.435	0.488
	QPSK 20MHz 50%RB	Back Side	673	22.44	22.5	1.014	0.411	0.417
	QPSK 20MHz 50%RB	Front Side	673	22.44	22.5	1.014	0.253	0.257
	QPSK 20MHz 50%RB	Right Side	673	22.44	22.5	1.014	0.210	0.213
	QPSK 20MHz 50%RB	Left side	673	22.44	22.5	1.014	0.123	0.125
	QPSK 20MHz 50%RB	Bottom side	673	22.44	22.5	1.014	0.240	0.243
	QPSK 20MHz 50%RB	Back Side	680.5	22.13	22.5	1.089	0.420	0.457
	QPSK 20MHz 50%RB	Back Side	688	22.00	22.5	1.122	0.413	0.463

LTE Band 41(2535-2655MHz)–Body SAR Test (Gap: 10mm)								
Plot No.	Mode	Test Position Body	Frequency	Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
	Modulation, Bandwidth, RB		MHz					
	QPSK 20MHz 1RB	Back Side	2545	22.97	23.0	1.007	0.148	0.149
	QPSK 20MHz 1RB	Front Side	2545	22.97	23.0	1.007	0.608	0.612
	QPSK 20MHz 1RB	Left side	2545	22.97	23.0	1.007	0.412	0.415
	QPSK 20MHz 1RB	Top Side	2545	22.97	23.0	1.007	0.258	0.260
	QPSK 20MHz 1RB	Back Side	2595	22.59	23.0	1.099	0.445	0.489
61.	QPSK 20MHz 1RB	Back Side	2645	21.60	22.0	1.096	0.271	0.297
	QPSK 20MHz 50%RB	Back Side	2545	22.97	23.0	1.007	0.122	0.123
	QPSK 20MHz 50%RB	Front Side	2545	22.97	23.0	1.007	0.503	0.506
	QPSK 20MHz 50%RB	Left side	2545	22.97	23.0	1.007	0.312	0.314
	QPSK 20MHz 50%RB	Top Side	2545	22.97	23.0	1.007	0.159	0.160
	QPSK 20MHz 50%RB	Back Side	2595	22.59	23.0	1.099	0.330	0.363
	QPSK 20MHz 50%RB	Back Side	2645	21.60	22.0	1.096	0.221	0.242

WLAN 2.4GHz –Body SAR Test (Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11b	Back Face	06	2437	12.70	13.0	1.072	0.040	0.043
	802.11b	Front Face	06	2437	12.70	13.0	1.072	0.025	0.027
	802.11b	Right Side	06	2437	12.70	13.0	1.072	0.019	0.020
	802.11b	Top Side	06	2437	12.70	13.0	1.072	0.031	0.033
	802.11b	Back Face	01	2412	12.45	12.5	1.012	0.061	0.062
62.	802.11b	Back Face	11	2462	12.62	13.0	1.091	0.064	0.070

WLAN 5.2GHz –Body SAR Test(Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Back Face	48	5240	11.76	12.0	1.057	0.279	0.295
	802.11a	Front Face	48	5240	11.76	12.0	1.057	0.077	0.081
	802.11a	Right Side	48	5240	11.76	12.0	1.057	0.047	0.050
	802.11a	Top Side	48	5240	11.76	12.0	1.057	0.118	0.125
63.	802.11a	Back Face	36	5180	11.44	11.5	1.014	0.582	0.590
	802.11a	Back Face	40	5200	11.42	11.5	1.019	0.572	0.583

WLAN 5.8GHz –Body SAR Test(Gap: 10mm)									
Plot No.	Mode	Test Position Body	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	802.11a	Back Face	149	5745	8.81	9.0	1.045	0.570	0.595
	802.11a	Front Face	149	5745	8.81	9.0	1.045	0.150	0.157
	802.11a	Right Side	149	5745	8.81	9.0	1.045	0.140	0.146
	802.11a	Top Side	149	5745	8.81	9.0	1.045	0.160	0.167
	802.11a	Back Face	157	5785	8.29	8.5	1.050	0.529	0.555
64.	802.11a	Back Face	165	5825	8.20	8.5	1.072	0.611	0.655

Remark:

1. The EUT do not support WLAN(5.6G) Hotspot function.

Repeated SAR**Head SAR**

LTE Band 41(2535-2655MHz)– Head SAR Test							
Mode Modulation, Bandwidth, RB	Test Position Head	Frequency	SAR1g (W/kg)	Repeated SAR		Ratio	
		MHz		1	2	1	2
16QAM 20MHz 1RB	Right Cheek	2545	0.841	0.821	/	1.024	/
16QAM 20MHz 1RB	Right Cheek	2595	0.803	0.785	/	1.023	/
16QAM 20MHz 50%RB	Right Cheek	2545	0.824	0.798	/	1.033	/

Body-worn SAR

Mode	Test Position Body	Frequency		SAR1g (W/kg)	Repeated SAR		Ratio	
		CH.	MHz		1	2	1	2
RMC 12.2k	Back Side	9538	1907.6	0.808	0.786	/	1.028	/

Hotspot SAR

Mode	Test Position Body	Frequency		SAR1g (W/kg)	Repeated SAR		Ratio	
		CH.	MHz		1	2	1	2
RMC 12.2k	Back Side	9538	1907.6	0.808	0.786	/	1.028	/

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:

- GSM, WCDMA and LTE share the same antenna, and cannot transmit simultaneously.
- WLAN and Bluetooth share the same antenna, and cannot transmit simultaneously.
- 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
2.5	1.78	5/10	2.480	7.5	0.075	0.037

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

Head SAR**WWAN and WLAN**

Position	WWAN		WLAN(2.4GHz)	Summed SAR (W/kg)
	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Right Cheek	GSM	0.578	0.069	0.647
Right Tilted	GSM	0.367	0.050	0.417
Left Cheek	GSM	0.779	0.105	0.884
Left Tilted	GSM	0.561	0.065	0.626
Right Cheek	WCDMA	0.846	0.069	0.915
Right Tilted	WCDMA	0.563	0.050	0.613
Left Cheek	WCDMA	0.437	0.105	0.542
Left Tilted	WCDMA	0.359	0.065	0.424
Right Cheek	LTE	0.883	0.069	0.952
Right Tilted	LTE	0.790	0.050	0.840
Left Cheek	LTE	0.653	0.105	0.758
Left Tilted	LTE	0.547	0.065	0.612

WWAN and WLAN

Position	WWAN		WLAN(5GHz)	Summed SAR (W/kg)
	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Right Cheek	GSM	0.578	0.553	1.131
Right Tilted	GSM	0.367	0.339	0.706
Left Cheek	GSM	0.779	0.690	1.469
Left Tilted	GSM	0.561	0.458	1.019
Right Cheek	WCDMA	0.846	0.553	1.399
Right Tilted	WCDMA	0.563	0.339	0.902
Left Cheek	WCDMA	0.437	0.690	1.127
Left Tilted	WCDMA	0.359	0.458	0.817
Right Cheek	LTE	0.883	0.553	1.436
Right Tilted	LTE	0.790	0.339	1.129
Left Cheek	LTE	0.653	0.690	1.343
Left Tilted	LTE	0.547	0.458	1.005

Note:

BT output power is less than WIFI2.4GHz, so the simultaneous transmission is not evaluated.

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	0.425	0.070	0.495
Front	GSM	0.294	0.027	0.321
Back	WCDMA	0.886	0.070	0.956
Front	WCDMA	0.638	0.027	0.665
Back	LTE	0.898	0.070	0.968
Front	LTE	0.612	0.027	0.639

WWAN and WLAN

	WWAN		WLAN(5GHz)	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	GSM	0.425	0.655	1.080
Front	GSM	0.294	0.179	0.473
Back	WCDMA	0.886	0.655	1.541
Front	WCDMA	0.638	0.179	0.817
Back	LTE	0.898	0.655	1.553
Front	LTE	0.612	0.179	0.791

Note:

BT output power is less than WIFI2.4GHz, so the simultaneous transmission is not evaluated.

Hotspot SAR**WWAN and WLAN**

Position	WWAN		WLAN(2.4GHz)	Summed SAR (W/kg)
	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	GSM	0.887	0.070	0.957
Front	GSM	0.446	0.027	0.473
Right side	GSM	0.270	0.020	0.290
Left side	GSM	0.347	-	0.347
Top side	GSM	0.439	0.033	0.472
Bottom side	GSM	0.414	--	0.414
Back	WCDMA	0.886	0.070	0.956
Front	WCDMA	0.638	0.027	0.665
Right side	WCDMA	0.151	0.020	0.171
Left side	WCDMA	0.399	-	0.399
Top side	WCDMA	0.348	0.033	0.381
Bottom side	WCDMA	0.084	--	0.084
Back	LTE	0.898	0.070	0.968
Front	LTE	0.612	0.027	0.639
Right side	LTE	0.346	0.020	0.366
Left side	LTE	0.415	-	0.415
Top side	LTE	0.549	0.033	0.582
Bottom side	LTE	0.346	--	0.346

WWAN and WLAN

	WWAN		WLAN(5GHz)	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	GSM	0.887	0.655	1.542
Front	GSM	0.446	0.157	0.603
Right side	GSM	0.270	--	0.270
Left side	GSM	0.347	0.146	0.493
Top side	GSM	0.439	0.167	0.606
Bottom side	GSM	0.414	--	0.414
Back	WCDMA	0.886	0.655	1.541
Front	WCDMA	0.638	0.157	0.795
Right side	WCDMA	0.151	--	0.151
Left side	WCDMA	0.399	0.146	0.545
Top side	WCDMA	0.348	0.167	0.515
Bottom side	WCDMA	0.084	--	0.084
Back	LTE	0.898	0.655	1.553
Front	LTE	0.612	0.157	0.769
Right side	LTE	0.346	--	0.346
Left side	LTE	0.415	0.146	0.561
Top side	LTE	0.549	0.167	0.716
Bottom side	LTE	0.346	--	0.346

Note:

BT output power is less than WIFI2.4GHz, so the simultaneous transmission is not evaluated.

10. Measurement Uncertainty

10.1 Uncertainty for SAR Test

a	b	c	d	e= f(d,k)	f	g	h= c*f/e	i= c*g/e	k
Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	Vi
Measurement System									
Probe calibration	E.2.1	7.0	N	1	1	1	7.00	7.00	∞
Axial Isotropy	E.2.2	2.5	R	$\sqrt{3}$	$(1_{Cp})^{1/2}$	$(1_{Cp})^{1/2}$	1.02	1.02	∞
Hemispherical Isotropy	E.2.2	4.0	R	$\sqrt{3}$	$(Cp)^{1/2}$	$(Cp)^{1/2}$	1.63	1.63	∞
Boundary effect	E.2.3	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	E.2.4	5.0	R	$\sqrt{3}$	1	1	2.89	2.89	∞
System detection limits	E.2.5	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Readout Electronics	E.2.6	0.02	N	1	1	1	0.02	0.02	∞
Reponse Time	E.2.7	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Integration Time	E.2.8	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
RF ambient Conditions – Noise	E.6.1	0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF ambient Conditions - Reflections	E.6.1	0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioner Mechanical Tolerance	E.6.2	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Probe positioning with respect to Phantom Shell	E.6.3	0.05	R	$\sqrt{3}$	1	1	0.03	0.03	∞
Extrapolation, interpolation and integration Algorithms for Max. SAR Evaluation	E.5	5.0	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Test Sample Related									
Test sample positioning	E.4.2	0.03	N	1	1	1	0.03	0.03	N-1
Device Holder Uncertainty	E.4.1	5.00	N	1	1	1	5.00	5.00	
Output power Variation - SAR drift measurement	E.2.9	12.02	R	$\sqrt{3}$	1	1	6.94	6.94	∞
SAR scaling	E6.5	0.0	R	$\sqrt{3}$	1	1	0.0	0.0	∞
Phantom and Tissue Parameters									
Phantom Uncertainty (Shape and thickness tolerances)	E.3.1	0.05	R	$\sqrt{3}$	1	1	0.03	0.03	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E3.2	1.9	R	$\sqrt{3}$	1	0.84	1.10	0.90	∞

Liquid conductivity - deviation from target value	E.3.2	5.00	R	$\sqrt{3}$	0.64	0.43	1.85	1.24	∞
Liquid conductivity - measurement uncertainty	E.3.3	5.00	N	1	0.64	0.43	3.20	2.15	∞
Liquid permittivity - deviation from target value	E.3.2	0.37	R	$\sqrt{3}$	0.6	0.49	0.13	0.10	∞
Liquid permittivity - measurement uncertainty	E.3.3	10.00	N	1	0.6	0.49	6.00	4.90	∞
Combined Standard Uncertainty			RSS				10.20	10.00	
Expanded Uncertainty (95% Confidence interval)			K=2				20.40	20.00	

Annex A. Plots of System Performance Check

MEASUREMENT 1

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2023-03-06

Measurement duration: 7 minutes 21 seconds

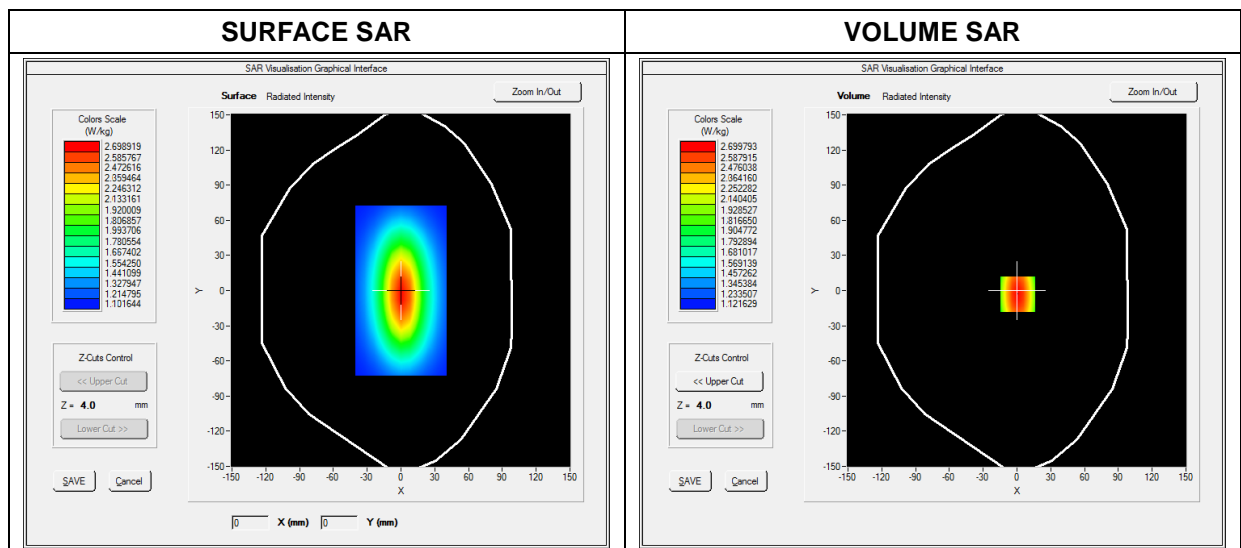
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 1.66; Calibrated: 2022-07-08

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)	42.310574
Conductivity (S/m)	0.872373
Power Variation (%)	0.038363
Ambient Temperature	23.2
Liquid Temperature	23.2

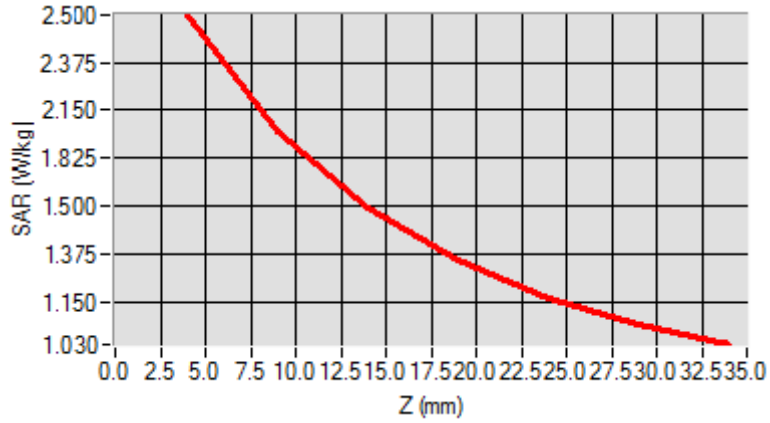


Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	1.042744
SAR 1g (W/Kg)	2.164534

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	2.3634	1.8023	1.4523	1.2514	1.1005	1.0245



3D screen shot	Hot spot position

MEASUREMENT 2

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2023-03-06

Measurement duration: 7 minutes 21 seconds

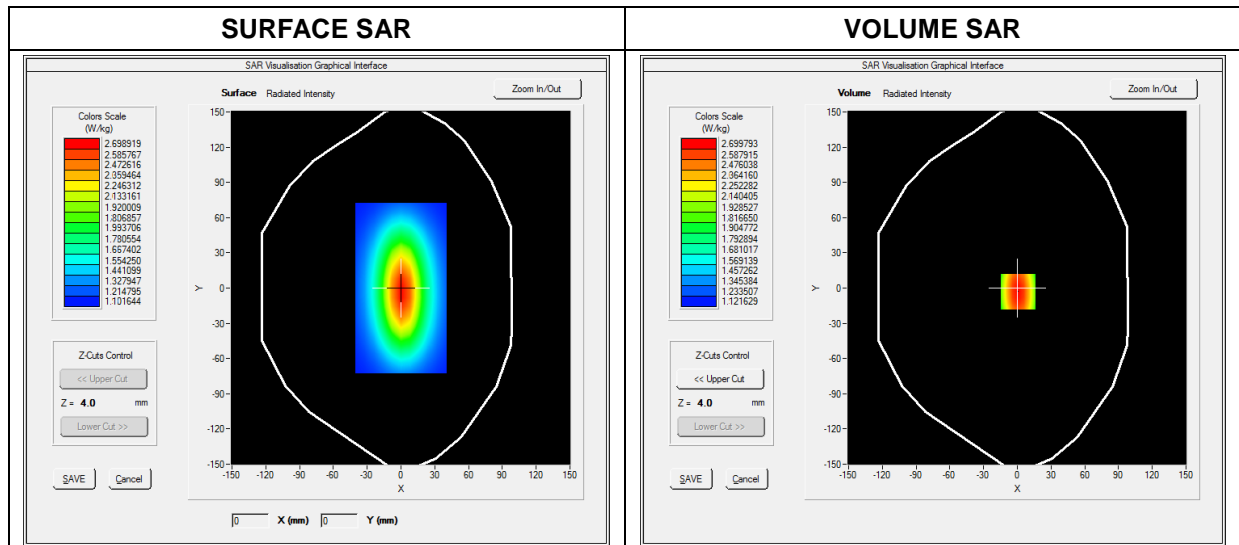
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 1.71; Calibrated: 2022-07-08

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)	42.062457
Conductivity (S/m)	0.881245
Power Variation (%)	0.038437
Ambient Temperature	23.2
Liquid Temperature	23.2

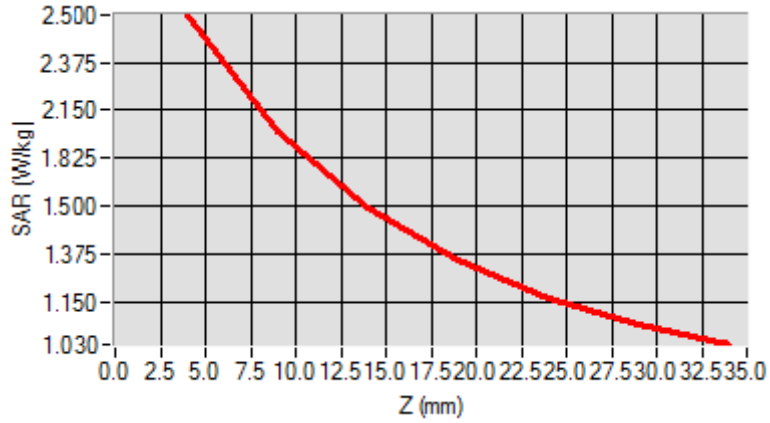


Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	1.519489
SAR 1g (W/Kg)	2.411253

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	2.4900	1.8942	1.4811	1.3541	1.1123	1.0539



3D screen shot	Hot spot position
<p>A 3D perspective view of a grey, L-shaped device. A rectangular area on the inner surface is highlighted with a color map representing SAR distribution, showing a central red/orange hot spot transitioning to yellow, green, and blue towards the edges.</p>	<p>A 2D heatmap showing the spatial distribution of SAR. It features a central, vertically-oriented oval shape with a color gradient from blue (low SAR) to red (high SAR), indicating the location of the maximum SAR value.</p>

MEASUREMENT 3

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2023-03-08

Measurement duration: 12 minutes 21 seconds

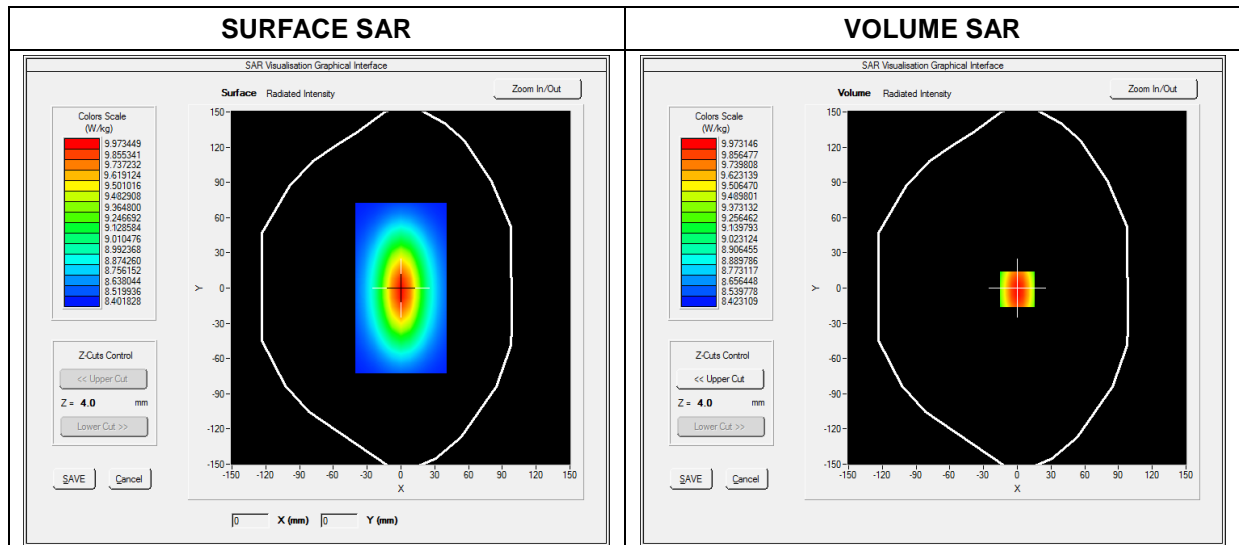
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.11; Calibrated: 2022-07-08

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)	39.604890
Conductivity (S/m)	1.381250
Power Variation (%)	1.401232
Ambient Temperature	23.5
Liquid Temperature	23.5

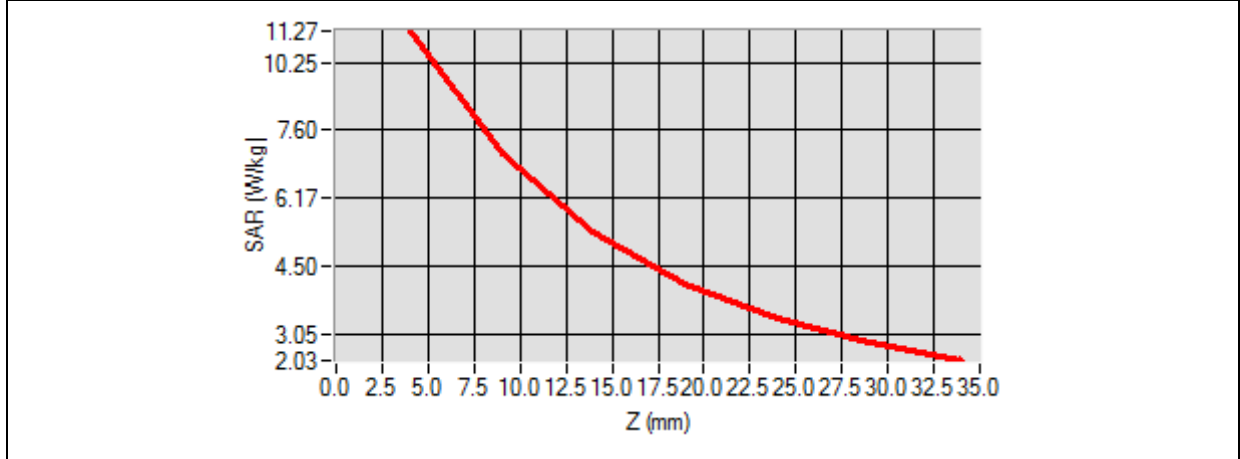


Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	5.171252
SAR 1g (W/Kg)	9.611250

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	10.3455	7.1125	5.1026	3.425	3.0242	2.1125



3D screen shot	Hot spot position

MEASUREMENT 4

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2023-03-08

Measurement duration: 12 minutes 21 seconds

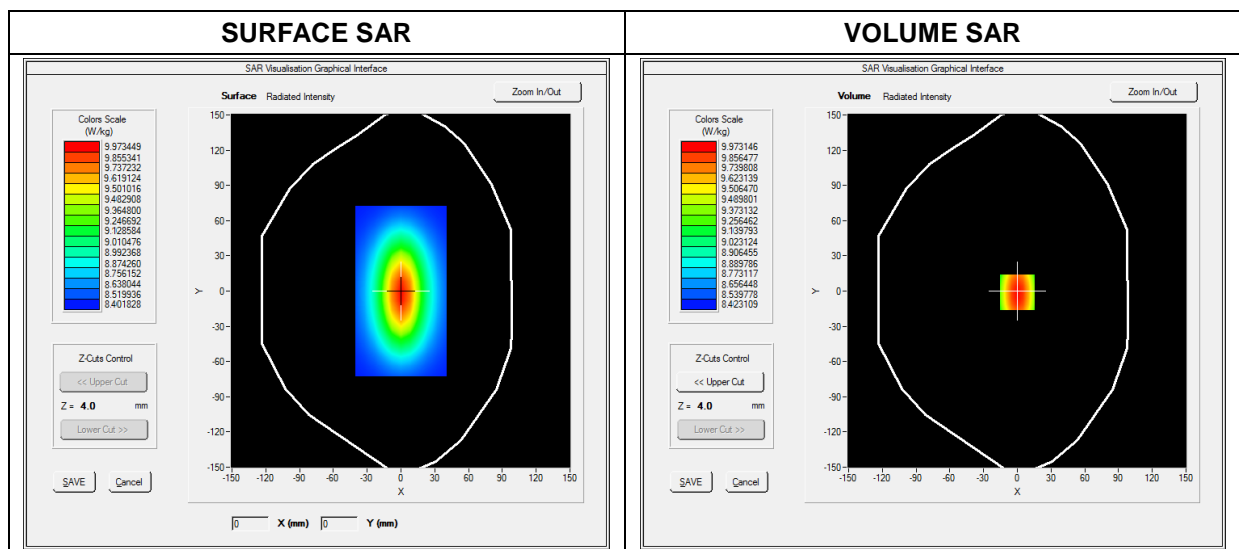
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.21; Calibrated: 2022-07-08

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)	39.581247
Conductivity (S/m)	1.383697
Power Variation (%)	1.022540
Ambient Temperature	23.5
Liquid Temperature	23.5

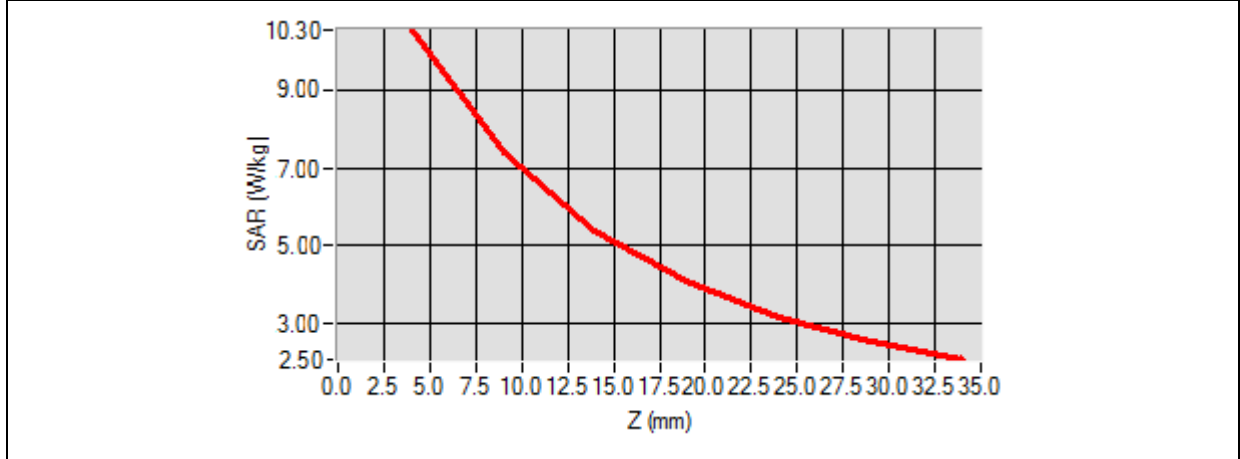


Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	5.174526
SAR 1g (W/Kg)	9.913214

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	10.2354	6.8400	5.0121	4.1189	3.0522	2.8424



3D screen shot	Hot spot position

MEASUREMENT 5

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2023-03-09

Measurement duration: 12 minutes 21 seconds

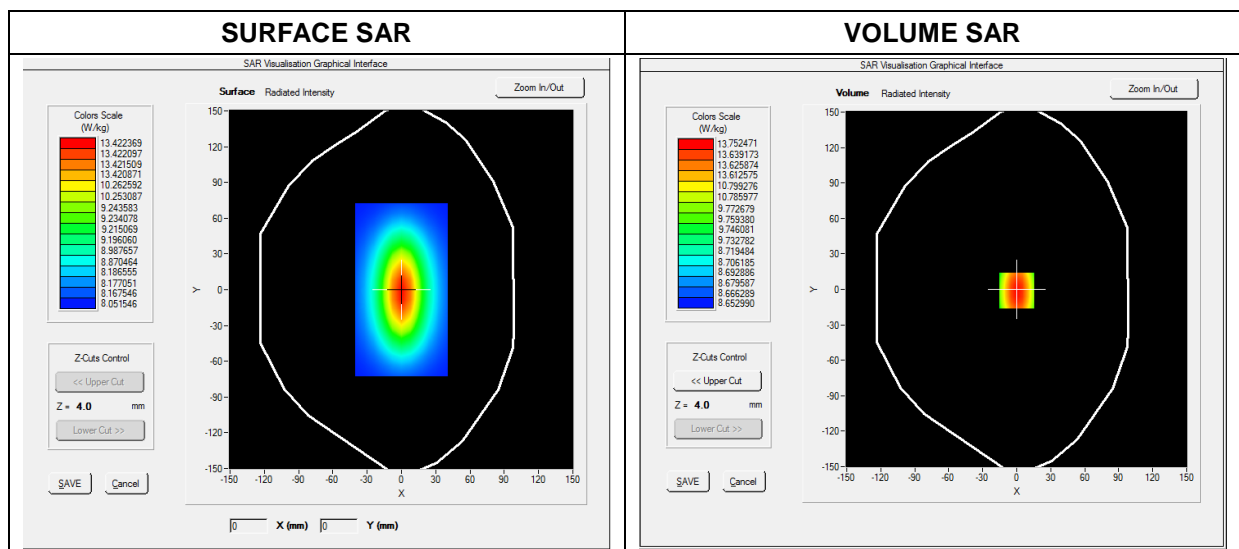
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.29; Calibrated: 2022-07-08

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	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2450.000000
Relative Permittivity (real part)	39.093660
Conductivity (S/m)	1.760236
Power Variation (%)	1.141452
Ambient Temperature	23.6
Liquid Temperature	23.6

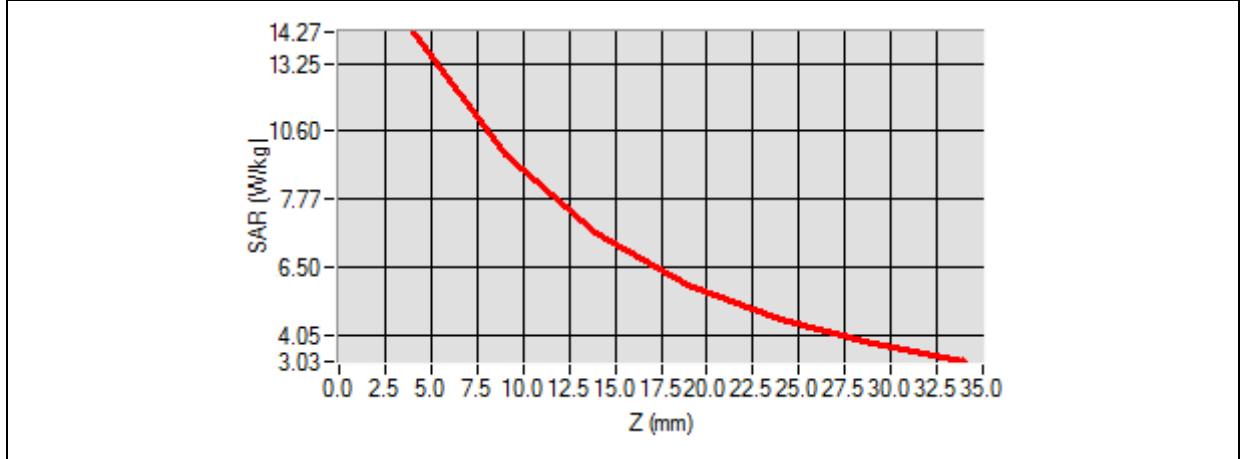


Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	8.020427
SAR 1g (W/Kg)	13.452457

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	14.1034	12.0012	10.2624	7.4715	5.9022	4.5114



3D screen shot	Hot spot position

MEASUREMENT 6

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2023-03-09

Measurement duration: 12 minutes 21 seconds

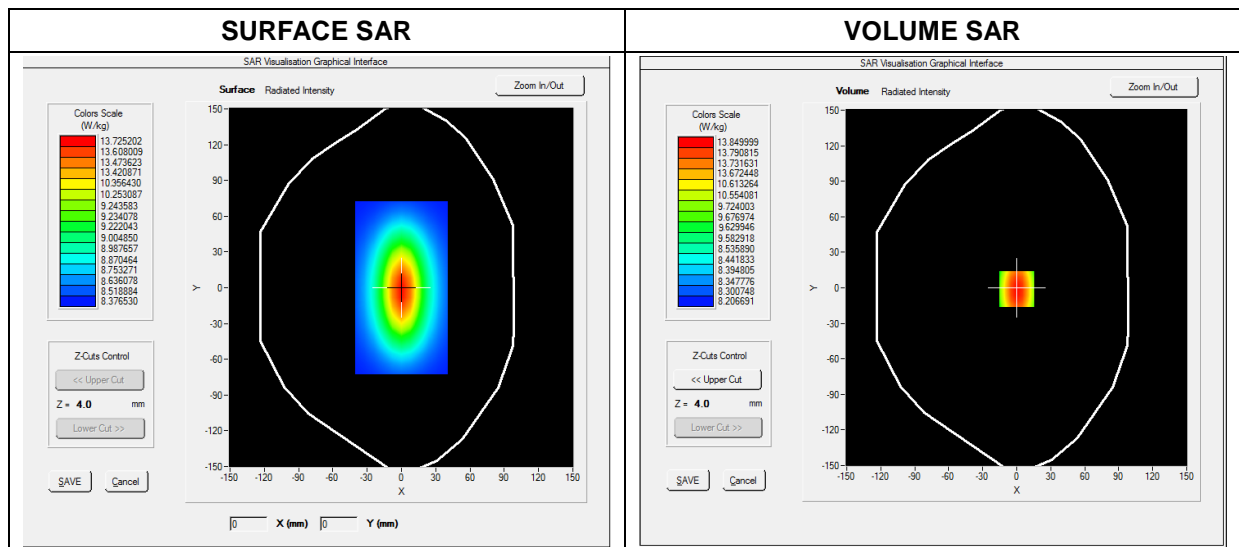
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.22; Calibrated: 2022-07-08

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	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2600.000000
Relative Permittivity (real part)	38.951092
Conductivity (S/m)	1.940182
Power Variation (%)	1.028221
Ambient Temperature	23.6
Liquid Temperature	23.6

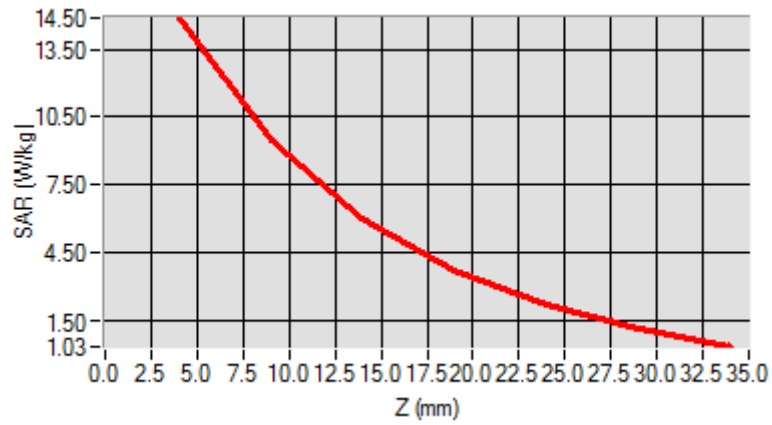


Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	8.270822
SAR 1g (W/Kg)	13.670282

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	14.0426	12.1354	10.2965	7.4854	5.9354	4.5186



3D screen shot	Hot spot position

MEASUREMENT 7

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2023-03-07

Measurement duration: 12 minutes 21 seconds

E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 1.91; Calibrated: 2022-07-08

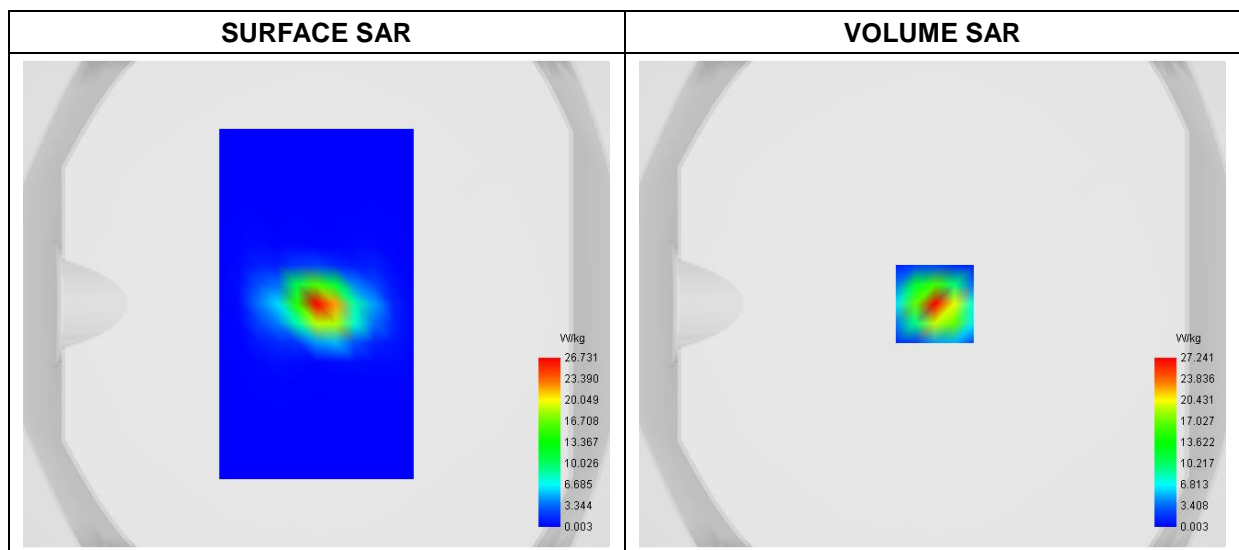
A. Experimental conditions

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)	36.642911
Conductivity (S/m)	4.711483
Power Variation (%)	0.943782
Ambient Temperature	23.8
Liquid Temperature	23.8

C. SAR Surface and Volume



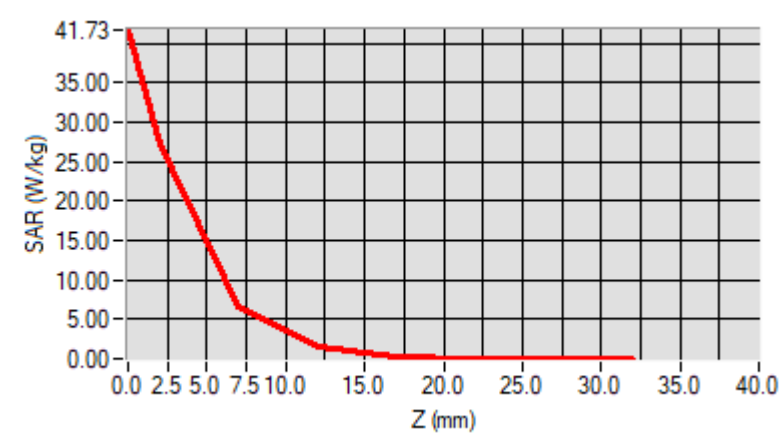
Maximum location: X=1.00, Y=0.00

D. SAR 1g & 10g

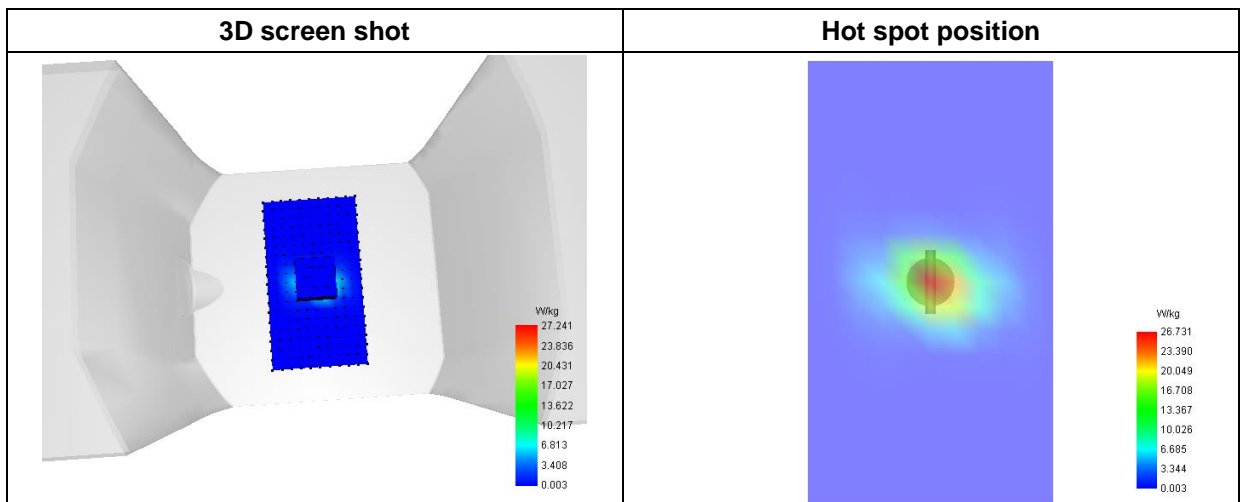
SAR 10g (W/Kg)	5.310334
SAR 1g (W/Kg)	16.946226

E. Z Axis Scan

Z (mm)	0.00	2.00	7.00	12.00	17.00	22.00	27.00
SAR (W/Kg)	41.7264	27.2408	6.5746	1.6234	0.3765	0.0793	0.0129



F. 3D Image



MEASUREMENT 8

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2023-03-07

Measurement duration: 12 minutes 21 seconds

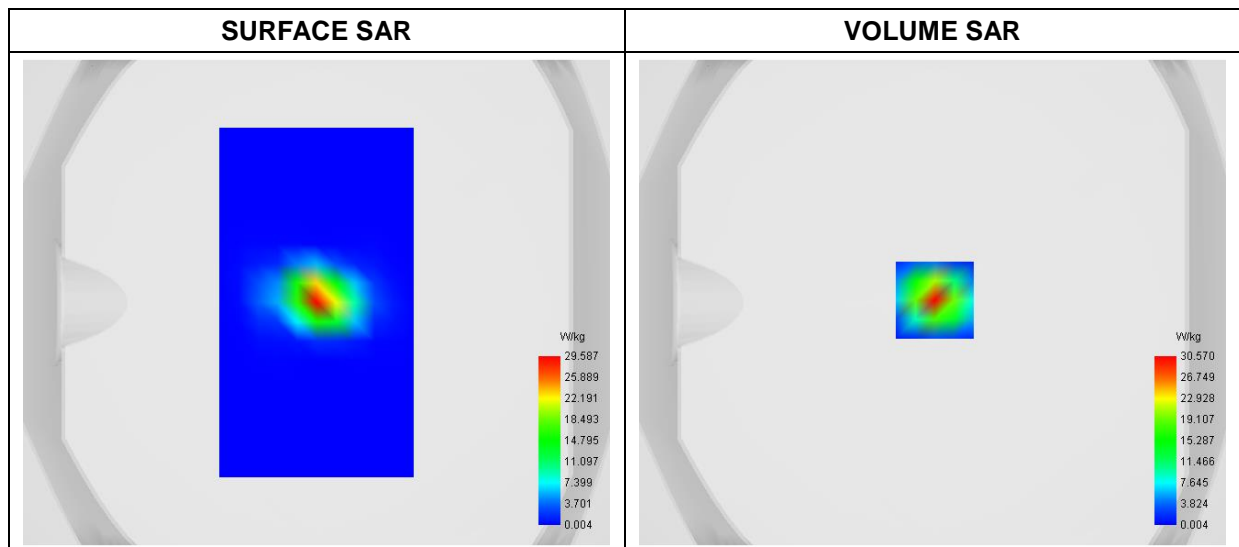
E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.12; Calibrated: 2022-07-08

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

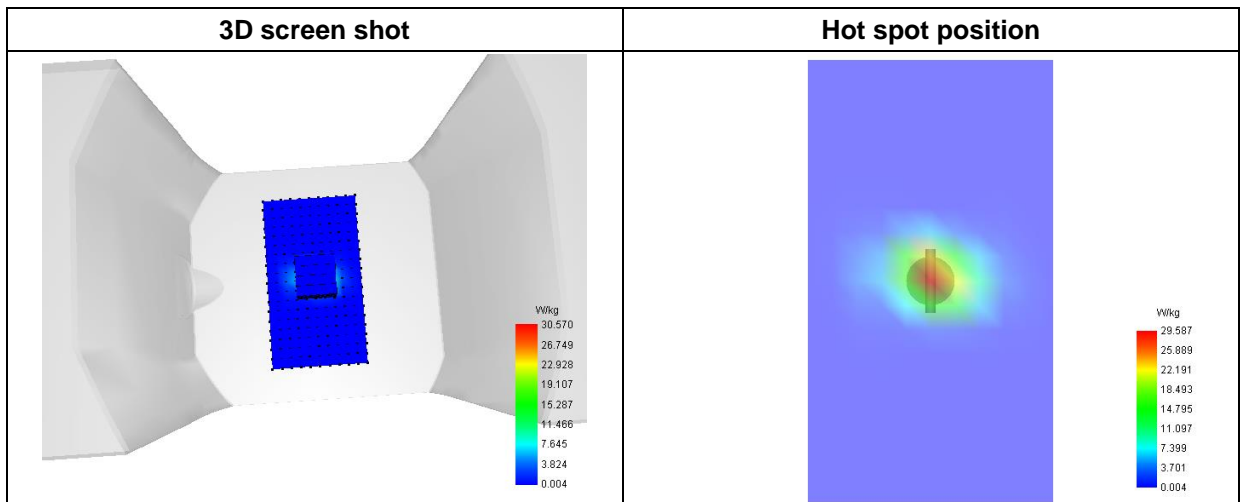
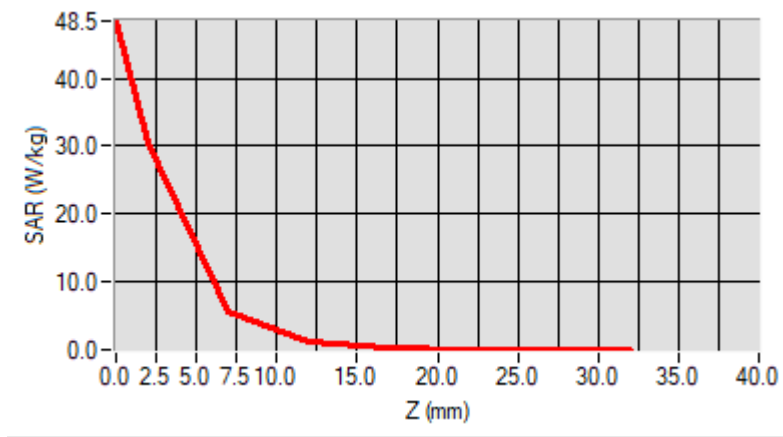
Frequency (MHz)	5400.000000
Relative Permittivity (real part)	35.602911
Conductivity (S/m)	4.832483
Power Variation (%)	0.943782
Ambient Temperature	23.8
Liquid Temperature	23.8



Maximum location: X=1.00, Y=1.00

SAR 10g (W/Kg)	5.912341
SAR 1g (W/Kg)	17.110732

Z (mm)	0.00	2.00	7.00	12.00	17.00	22.00	27.00
SAR (W/Kg)	48.4695	30.5699	5.7100	1.0698	0.1906	0.0364	0.0052



MEASUREMENT 9

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 2023-03-07

Measurement duration: 12 minutes 21 seconds

E-field Probe: SSE2 - SN 18/21 EPGO356; ConvF: 2.14; Calibrated: 2022-07-08

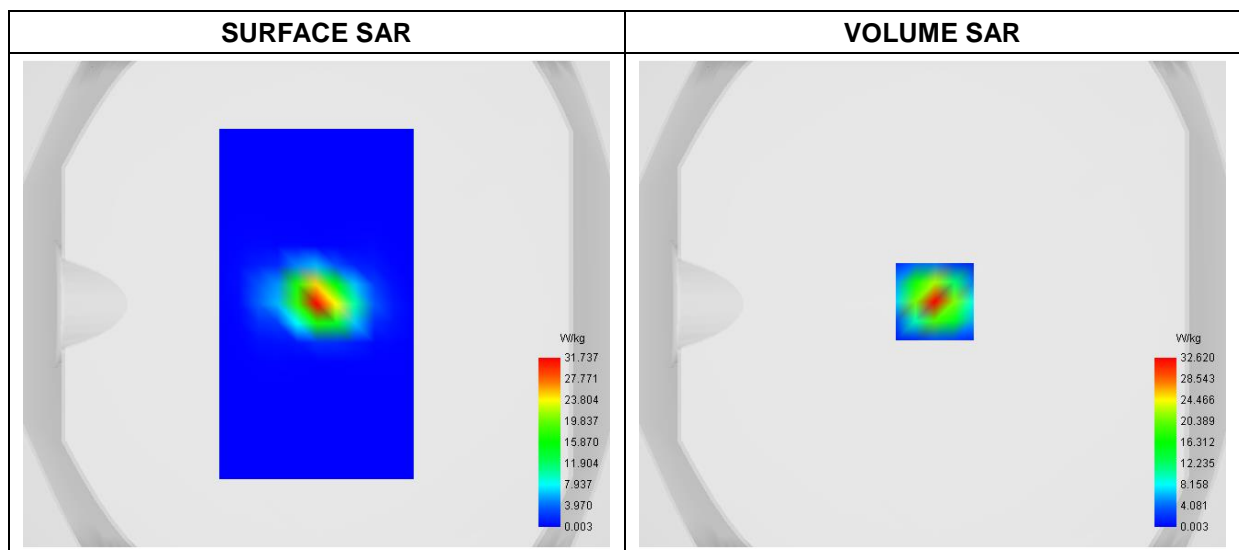
A. Experimental conditions

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)	35.921254
Conductivity (S/m)	5.190512
Power Variation (%)	1.643281
Ambient Temperature	23.8
Liquid Temperature	23.8

C. SAR Surface and Volume



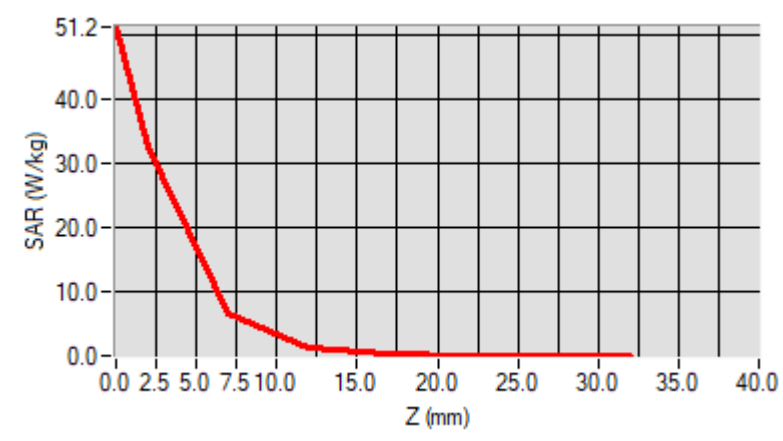
Maximum location: X=1.00, Y=1.00

D. SAR 1g & 10g

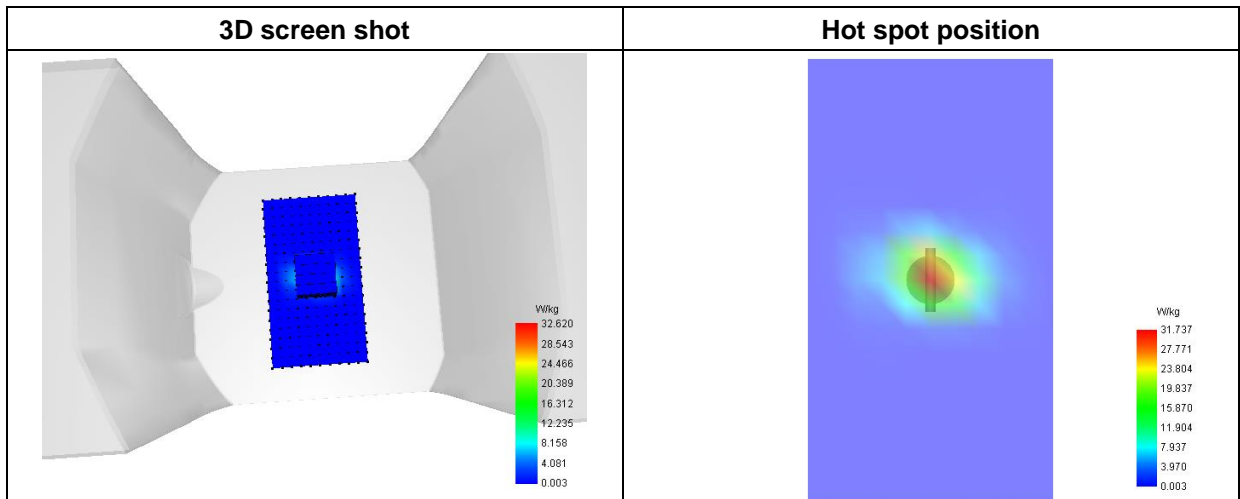
SAR 10g (W/Kg)	5.922791
SAR 1g (W/Kg)	18.604052

E. Z Axis Scan

Z (mm)	0.00	2.00	7.00	12.00	17.00	22.00	27.00
SAR (W/Kg)	51.2061	32.6198	6.6166	1.3486	0.2638	0.0509	0.0050



F. 3D Image



Annex B. Plots of SAR Measurement

MEASUREMENT 1

Type: Phone measurement (Complete)

Date of measurement: 2023-03-06

Measurement duration: 11 minutes 48 seconds

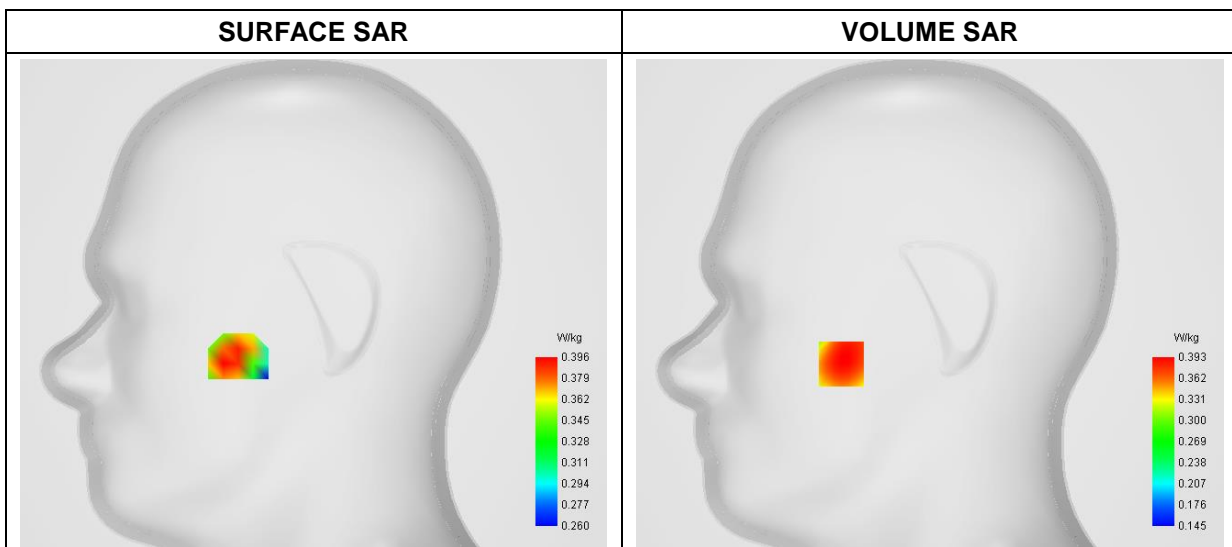
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Cheek
Band	GSM850
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

B. SAR Measurement Results

Frequency (MHz)	836.600000
Relative Permittivity (real part)	42.064612
Conductivity (S/m)	0.881321
Power Variation (%)	1.160000
Ambient Temperature	23.2
Liquid Temperature	23.2

C. SAR Surface and Volume



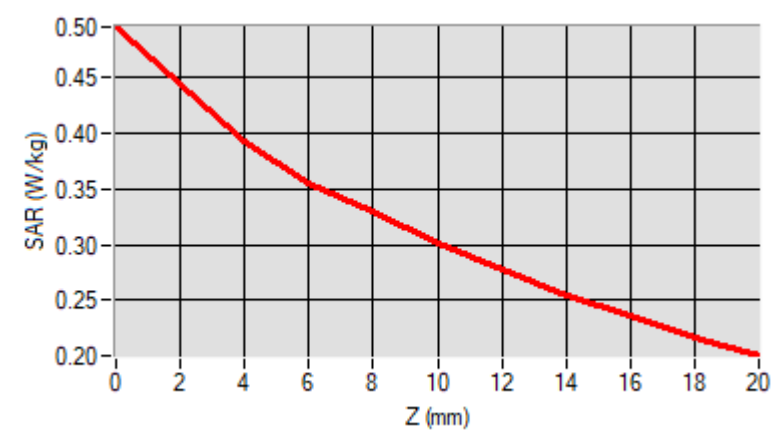
Maximum location: X=-47.00, Y=-32.00

D. SAR 1g & 10g

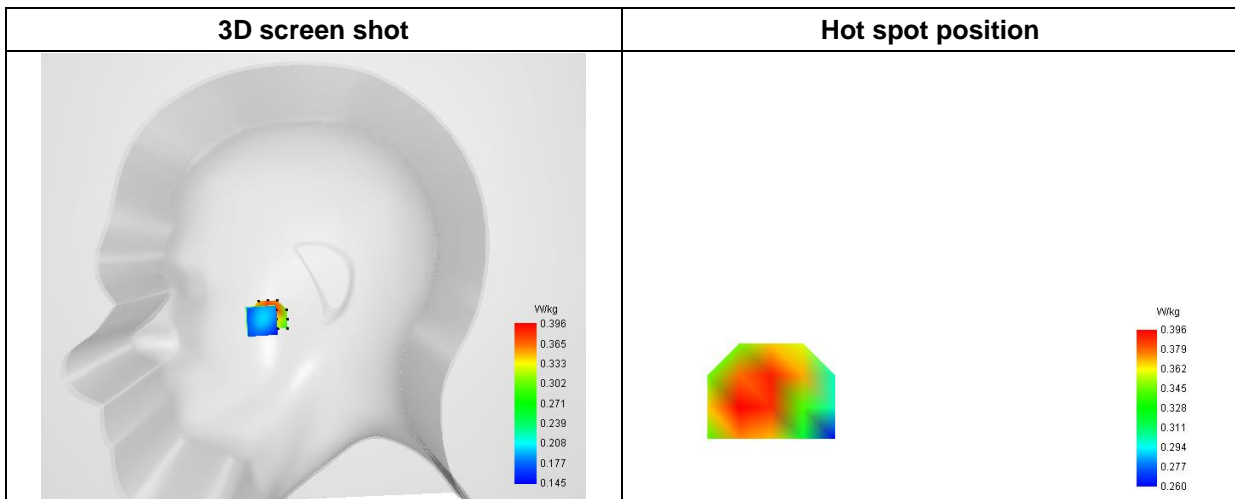
SAR 10g (W/Kg)	0.294312
SAR 1g (W/Kg)	0.394990

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.4950	0.3934	0.3551	0.3293	0.3009	0.2783	0.2540	0.2365	0.2162



F. 3D Image



MEASUREMENT 2

Type: Phone measurement (Complete)

Date of measurement: 2023-03-08

Measurement duration: 12 minutes 3 seconds

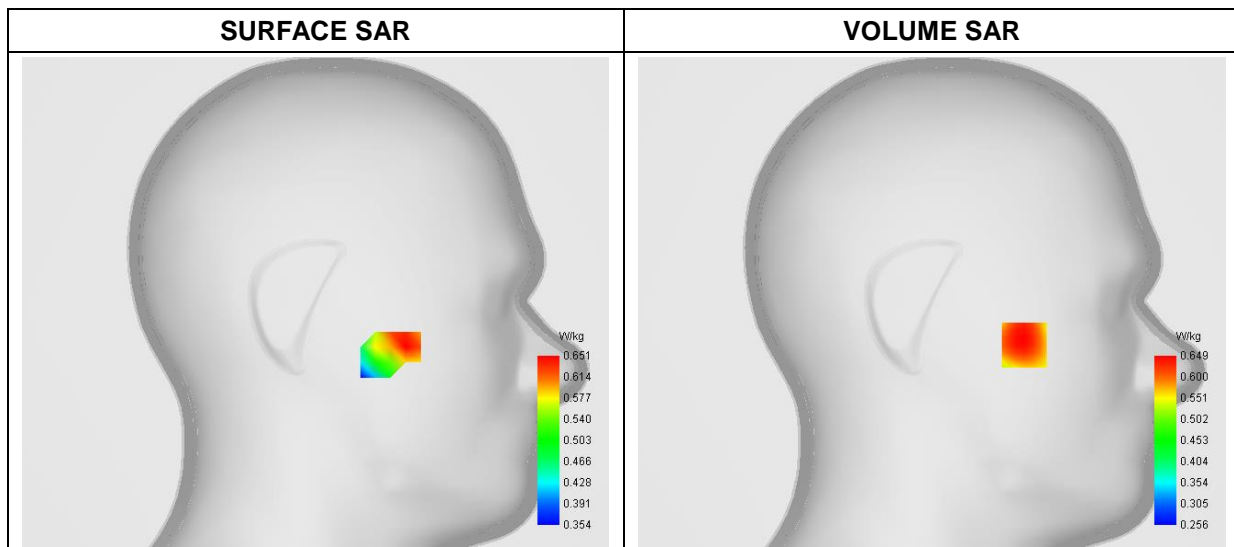
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Cheek
Band	GPRS850_3TX
Channels	Low
Signal	Duty Cycle: 1:2.66

B. SAR Measurement Results

Frequency (MHz)	824.200000
Relative Permittivity (real part)	42.064612
Conductivity (S/m)	0.881321
Power Variation (%)	1.520000
Ambient Temperature	23.2
Liquid Temperature	23.2

C. SAR Surface and Volume



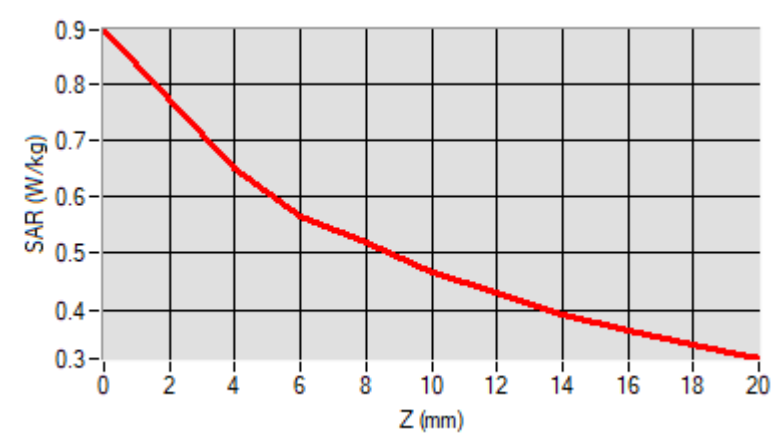
Maximum location: X=-49.00, Y=-23.00

D. SAR 1g & 10g

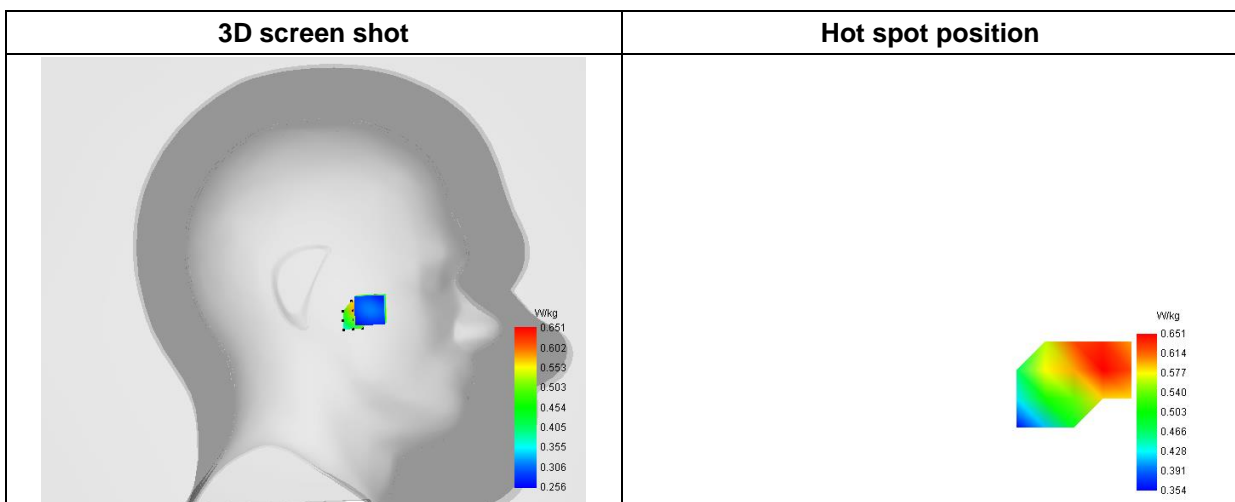
SAR 10g (W/Kg)	0.472855
SAR 1g (W/Kg)	0.633996

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.8948	0.6487	0.5638	0.5188	0.4656	0.4290	0.3924	0.3646	0.3378



F. 3D Image



MEASUREMENT 3

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-08
 Measurement duration: 11 minutes 48 seconds

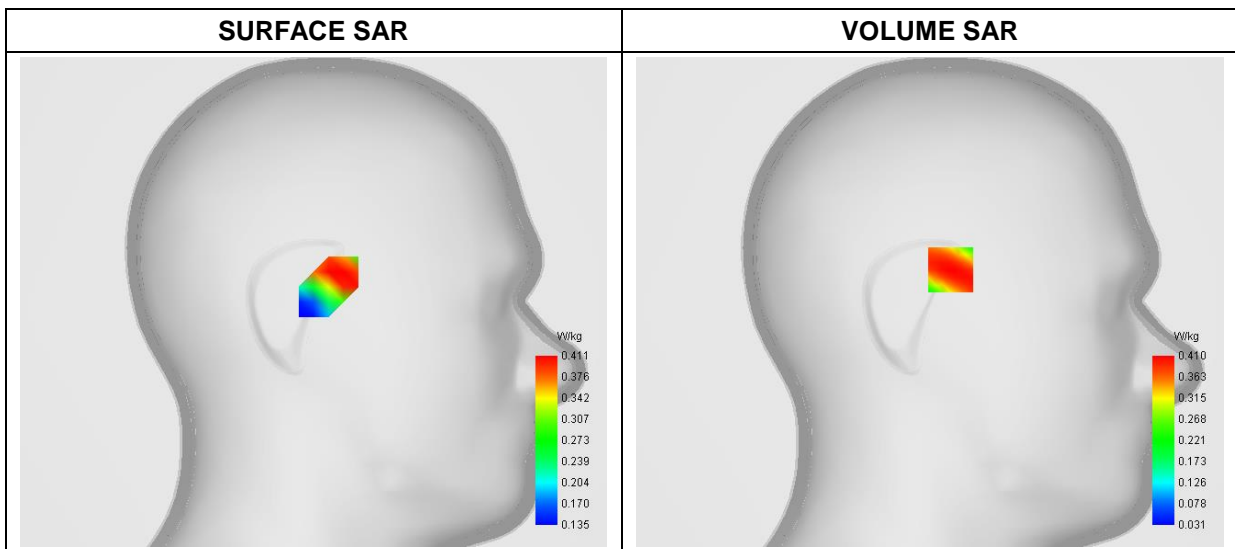
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
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)	39.611894
Conductivity (S/m)	1.381624
Power Variation (%)	1.4200000
Ambient Temperature	23.5
Liquid Temperature	23.5

C. SAR Surface and Volume



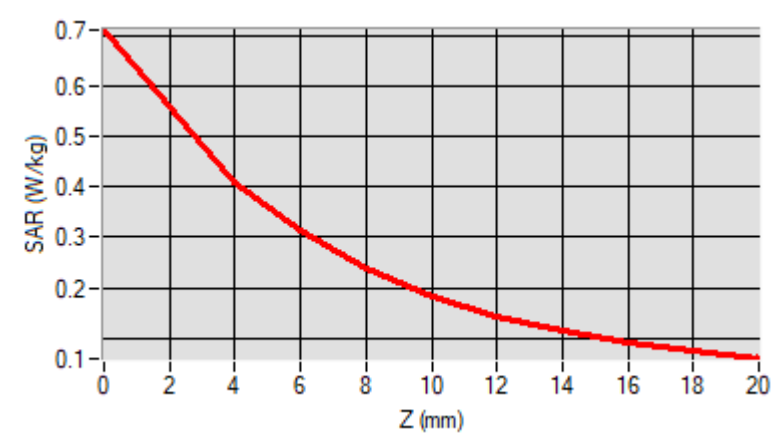
Maximum location: X=-11.00, Y=17.00

D. SAR 1g & 10g

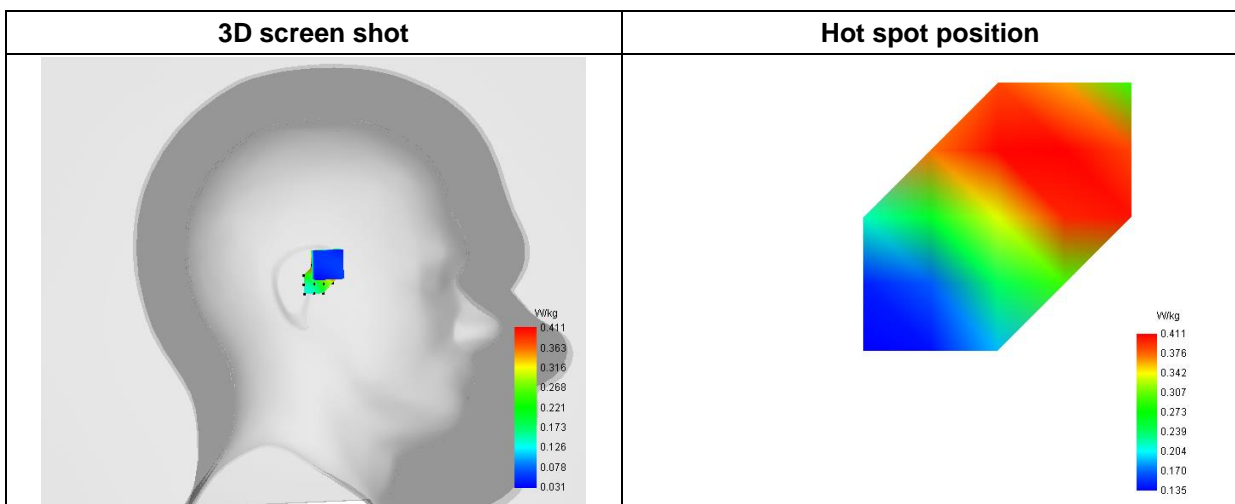
SAR 10g (W/Kg)	0.220599
SAR 1g (W/Kg)	0.404498

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.7107	0.4103	0.3118	0.2377	0.1837	0.1441	0.1147	0.0921	0.0742



F. 3D Image



MEASUREMENT 4

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-08
 Measurement duration: 12 minutes 3 seconds

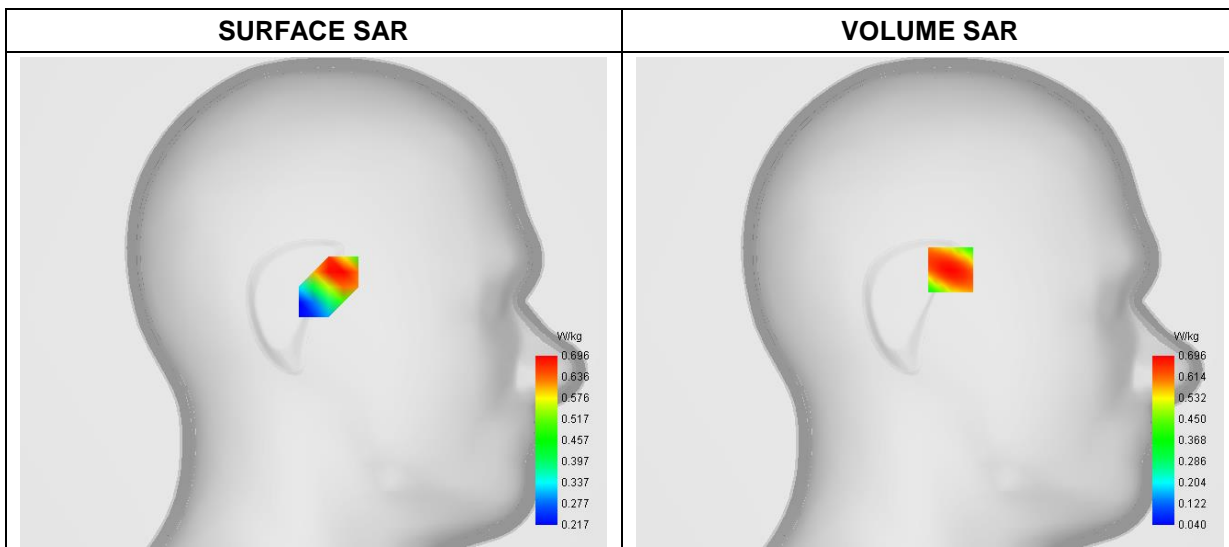
A. Experimental conditions

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

B. SAR Measurement Results

Frequency (MHz)	1880.00000
Relative Permittivity (real part)	39.611894
Conductivity (S/m)	1.381624
Power Variation (%)	1.130000
Ambient Temperature	23.5
Liquid Temperature	23.5

C. SAR Surface and Volume



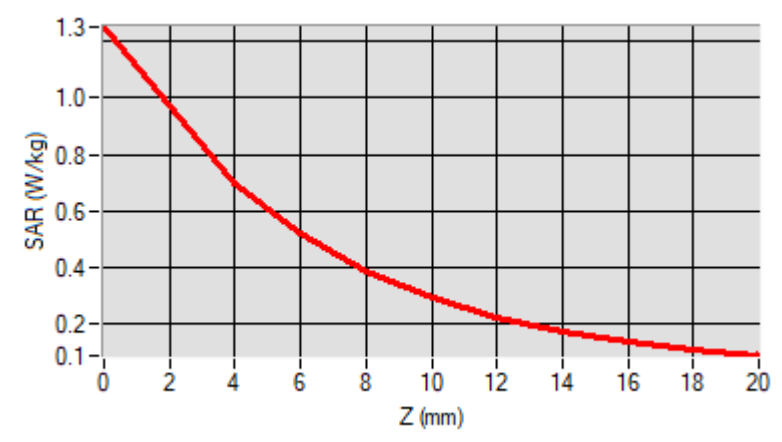
Maximum location: X=-11.00, Y=17.00

D. SAR 1g & 10g

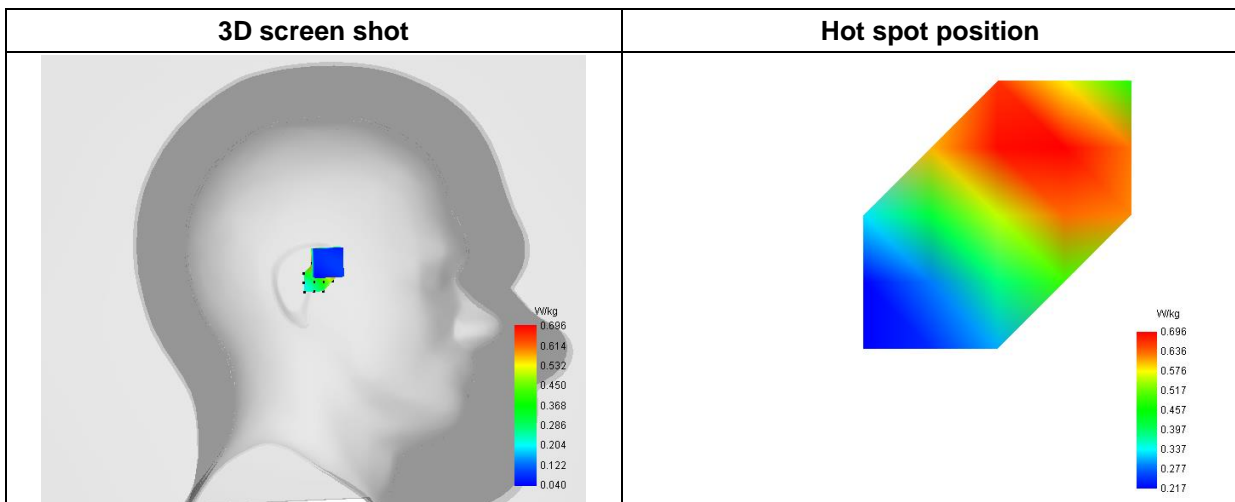
SAR 10g (W/Kg)	0.357170
SAR 1g (W/Kg)	0.667665

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	1.2501	0.6956	0.5177	0.3863	0.2926	0.2255	0.1768	0.1404	0.1121



F. 3D Image



MEASUREMENT 5

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-08
 Measurement duration: 12 minutes 3 seconds

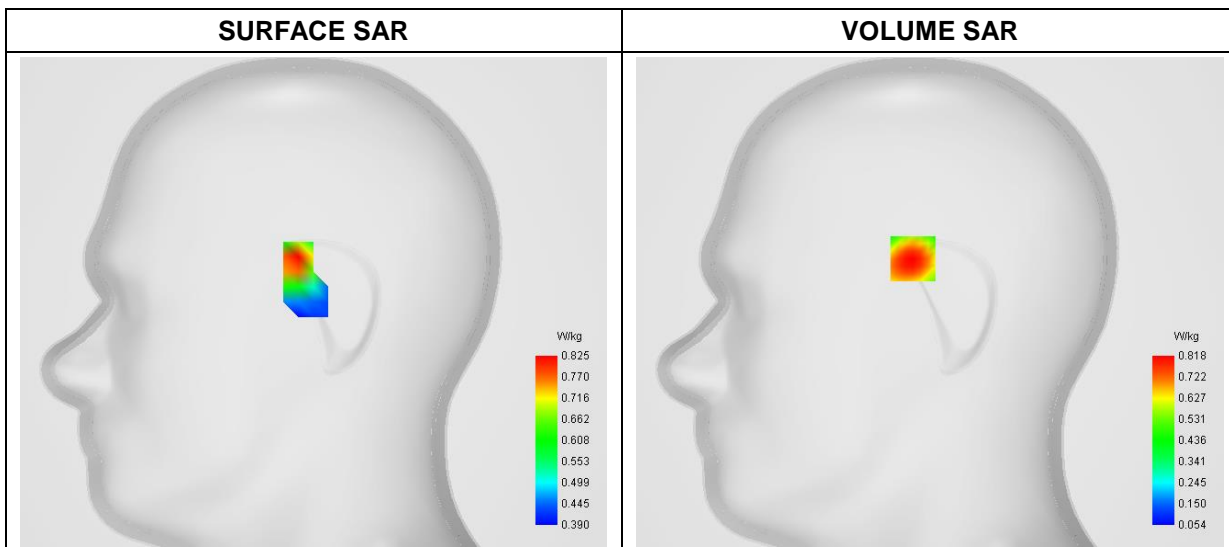
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
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)	39.582648
Conductivity (S/m)	1.381645
Power Variation (%)	1.540000
Ambient Temperature	23.5
Liquid Temperature	23.5

C. SAR Surface and Volume



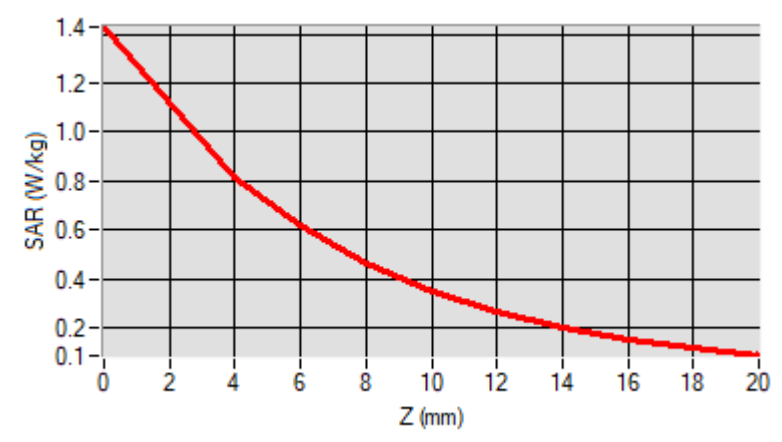
Maximum location: X=-9.00, Y=23.00

D. SAR 1g & 10g

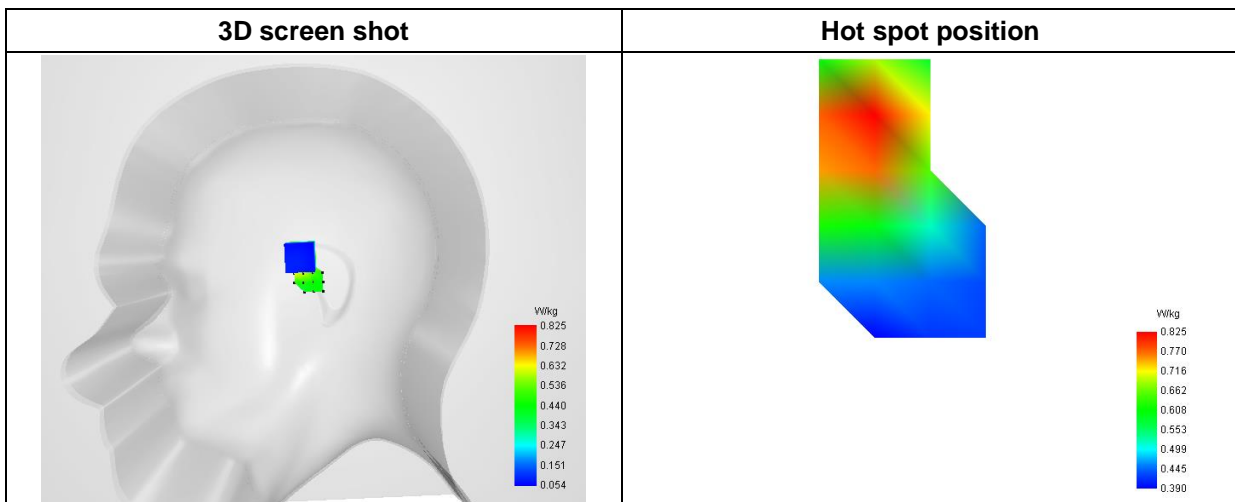
SAR 10g (W/Kg)	0.404059
SAR 1g (W/Kg)	0.771946

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	1.4292	0.8175	0.6152	0.4617	0.3488	0.2651	0.2023	0.1542	0.1162



F. 3D Image



MEASUREMENT 6

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-08
 Measurement duration: 12 minutes 3 seconds

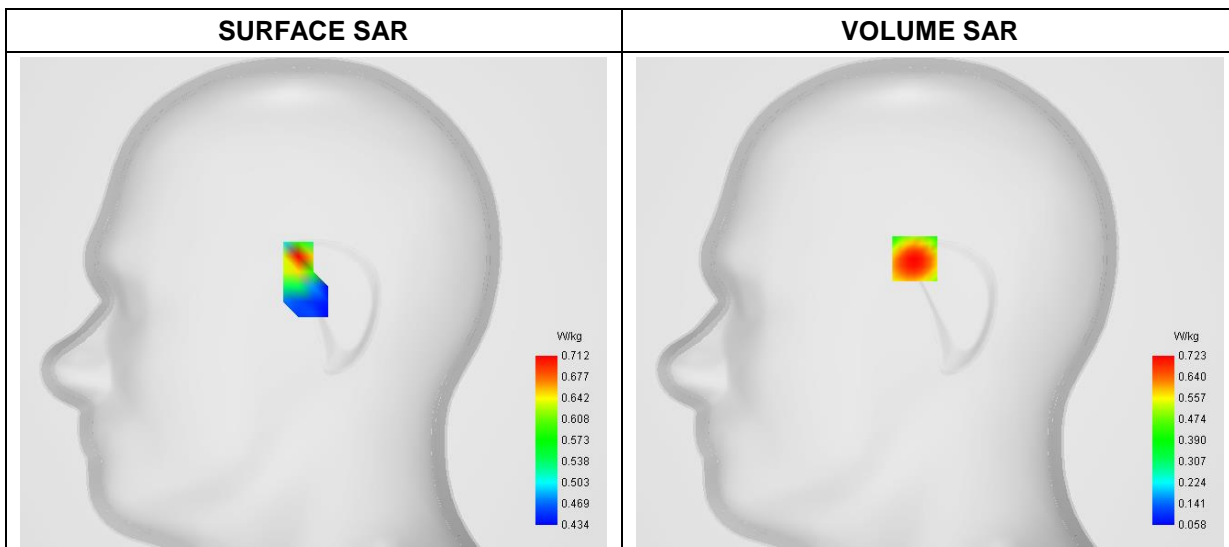
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
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)	39.611895
Conductivity (S/m)	1.381547
Power Variation (%)	1.410000
Ambient Temperature	23.5
Liquid Temperature	23.5

C. SAR Surface and Volume



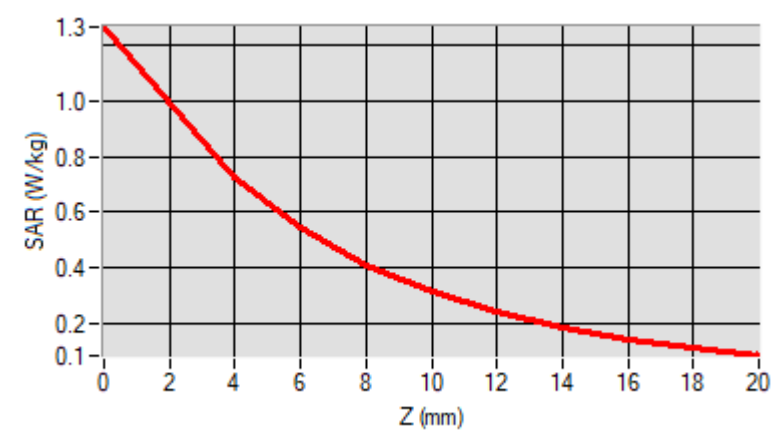
Maximum location: X=-8.00, Y=23.00

D. SAR 1g & 10g

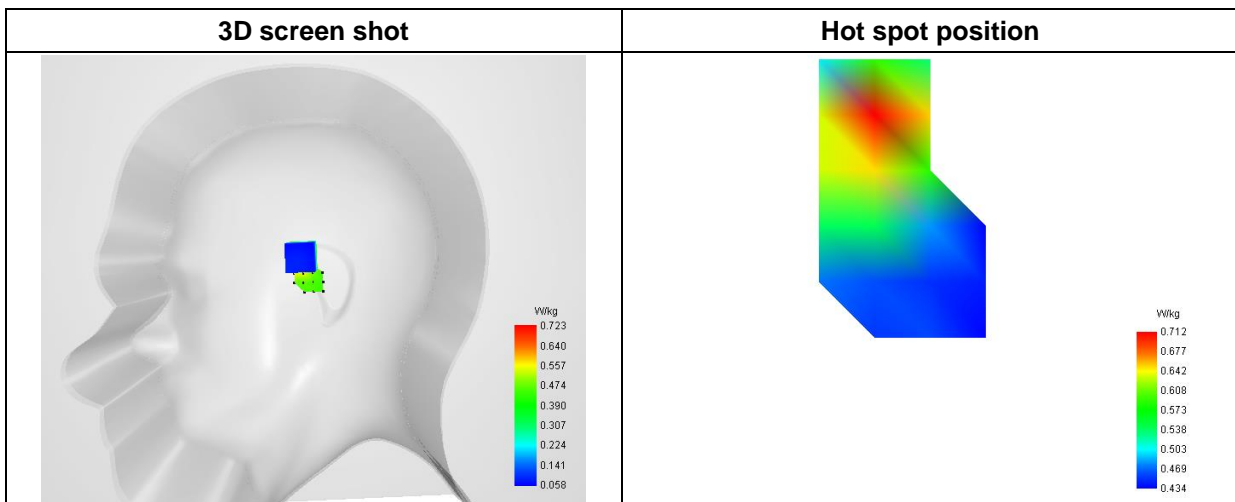
SAR 10g (W/Kg)	0.362480
SAR 1g (W/Kg)	0.683458

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	1.2645	0.7233	0.5453	0.4109	0.3126	0.2401	0.1860	0.1446	0.1118



F. 3D Image



MEASUREMENT 7

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-06
 Measurement duration: 12 minutes 3 seconds

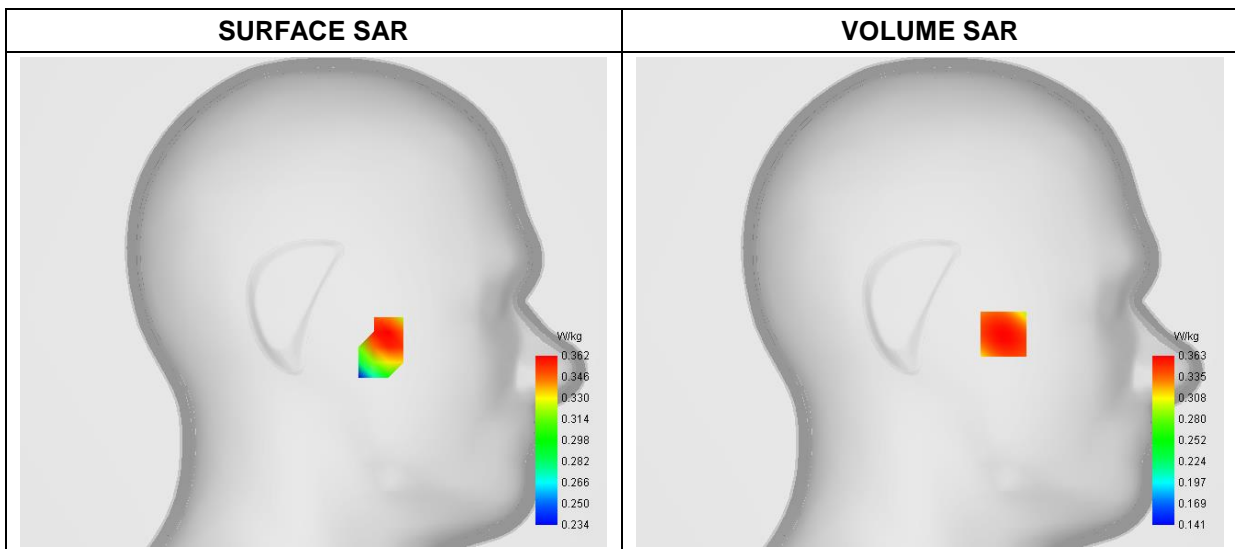
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Cheek
Band	WCDMA850_RMC
Channels	Middle
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	836.400000
Relative Permittivity (real part)	42.064872
Conductivity (S/m)	0.886495
Power Variation (%)	1.300000
Ambient Temperature	23.2
Liquid Temperature	23.2

C. SAR Surface and Volume



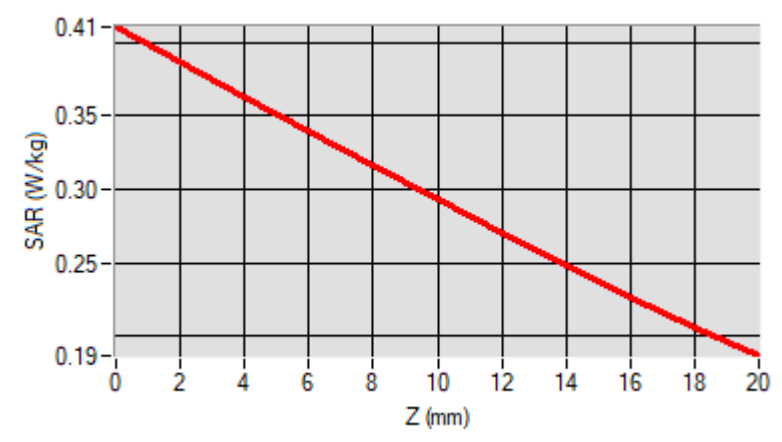
Maximum location: X=-39.00, Y=-17.00

D. SAR 1g & 10g

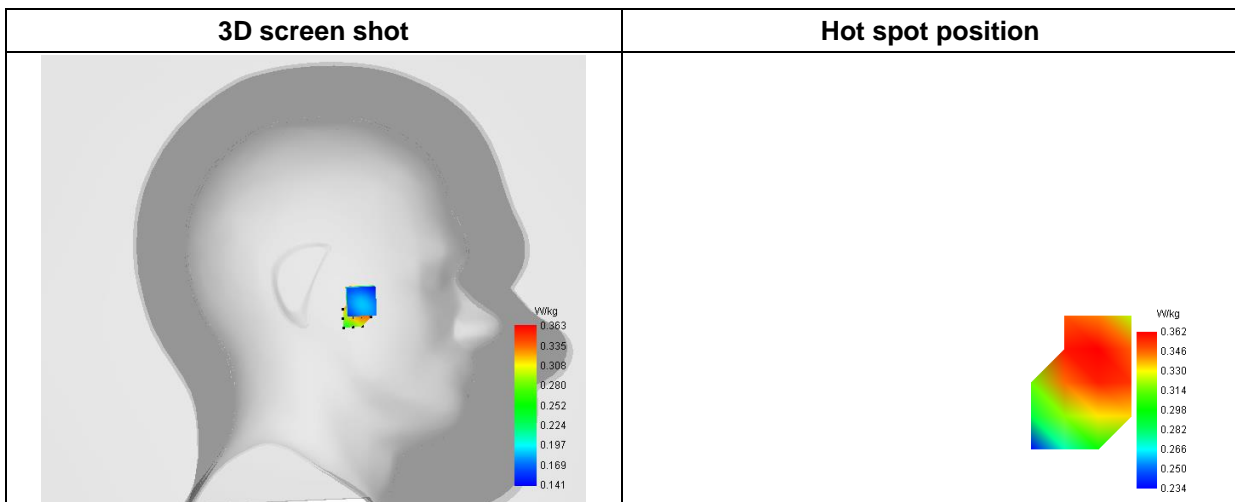
SAR 10g (W/Kg)	0.275546
SAR 1g (W/Kg)	0.361477

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.4108	0.3632	0.3395	0.3161	0.2929	0.2702	0.2481	0.2267	0.2062



F. 3D Image



MEASUREMENT 8

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-08
 Measurement duration: 12 minutes 3 seconds

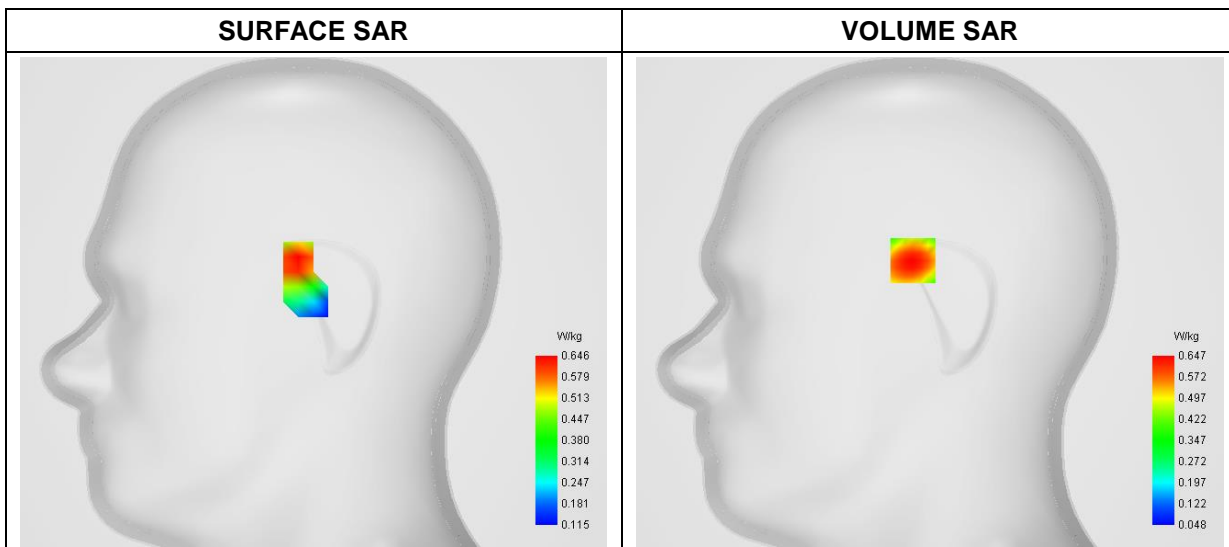
A. Experimental conditions

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

B. SAR Measurement Results

Frequency (MHz)	1900.000000
Relative Permittivity (real part)	39.584216
Conductivity (S/m)	1.381368
Power Variation (%)	1.580000
Ambient Temperature	23.5
Liquid Temperature	23.5

C. SAR Surface and Volume



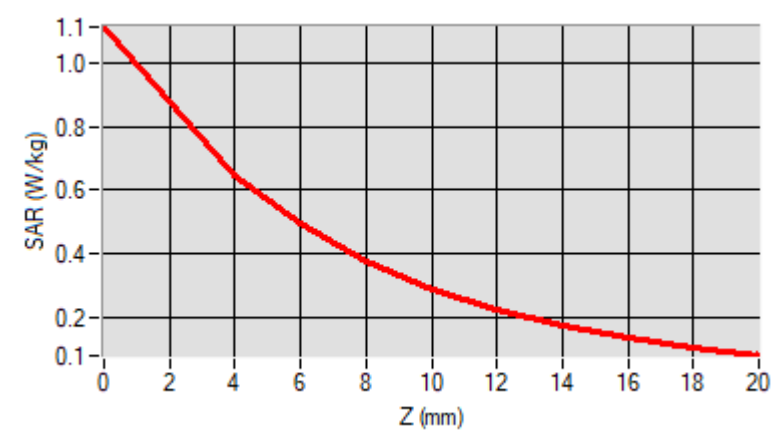
Maximum location: X=-9.00, Y=22.00

D. SAR 1g & 10g

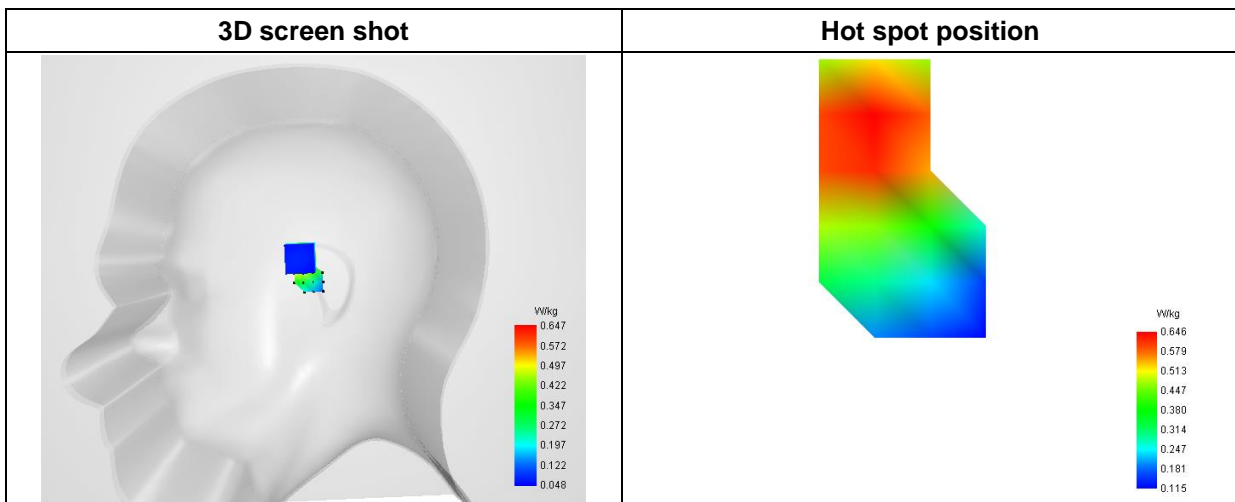
SAR 10g (W/Kg)	0.324941
SAR 1g (W/Kg)	0.609836

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	1.1140	0.6468	0.4914	0.3729	0.2853	0.2200	0.1707	0.1326	0.1022



F. 3D Image



MEASUREMENT 9

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-08
 Measurement duration: 12 minutes 3 seconds

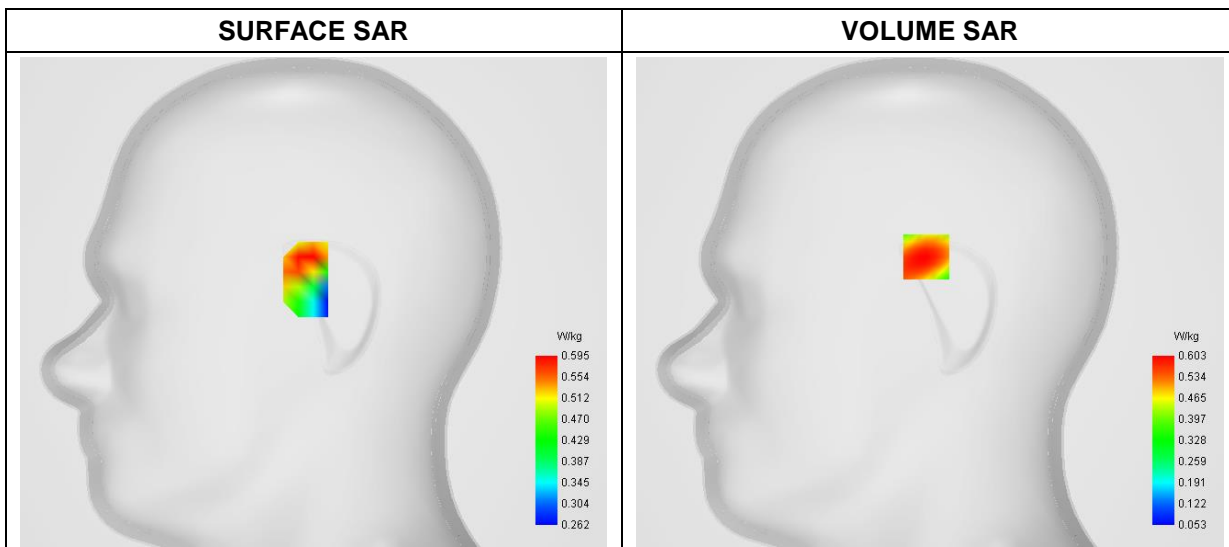
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 4
Channels	QPSK, 20MHz, 1RB, Low
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	1720.000000
Relative Permittivity (real part)	39.624890
Conductivity (S/m)	1.382508
Power Variation (%)	1.480000
Ambient Temperature	23.5
Liquid Temperature	23.5

C. SAR Surface and Volume



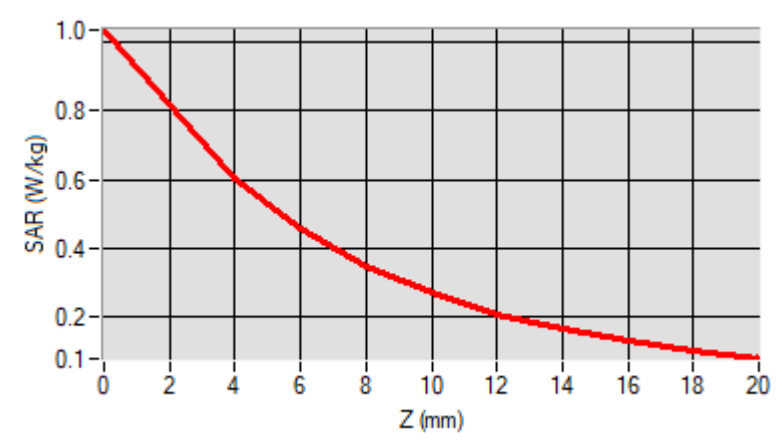
Maximum location: X=-2.00, Y=24.00

D. SAR 1g & 10g

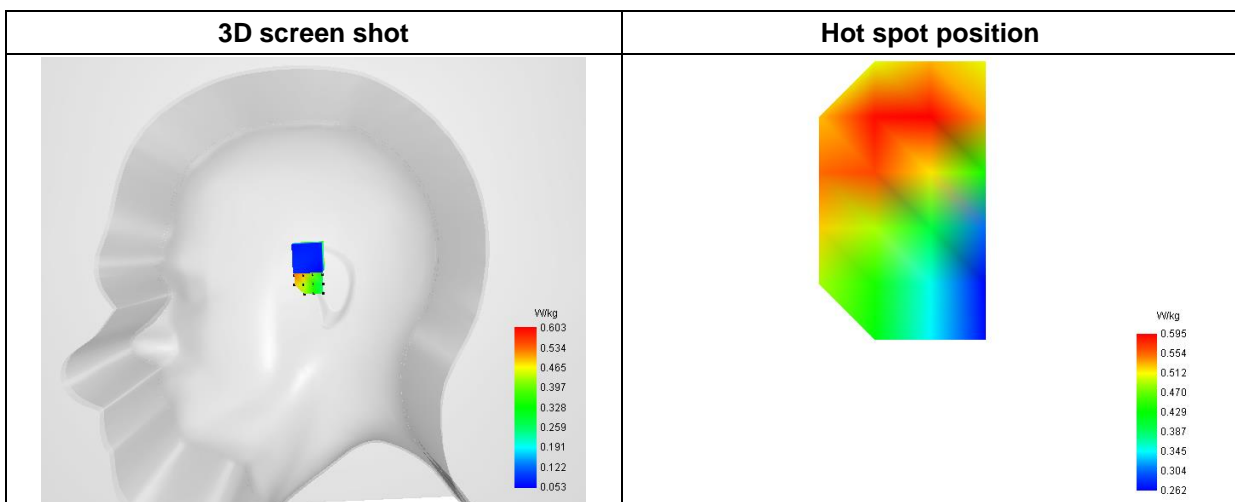
SAR 10g (W/Kg)	0.315961
SAR 1g (W/Kg)	0.573577

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	1.0357	0.6028	0.4593	0.3503	0.2699	0.2102	0.1653	0.1306	0.1029



F. 3D Image



MEASUREMENT 10

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-06
 Measurement duration: 12 minutes 3 seconds

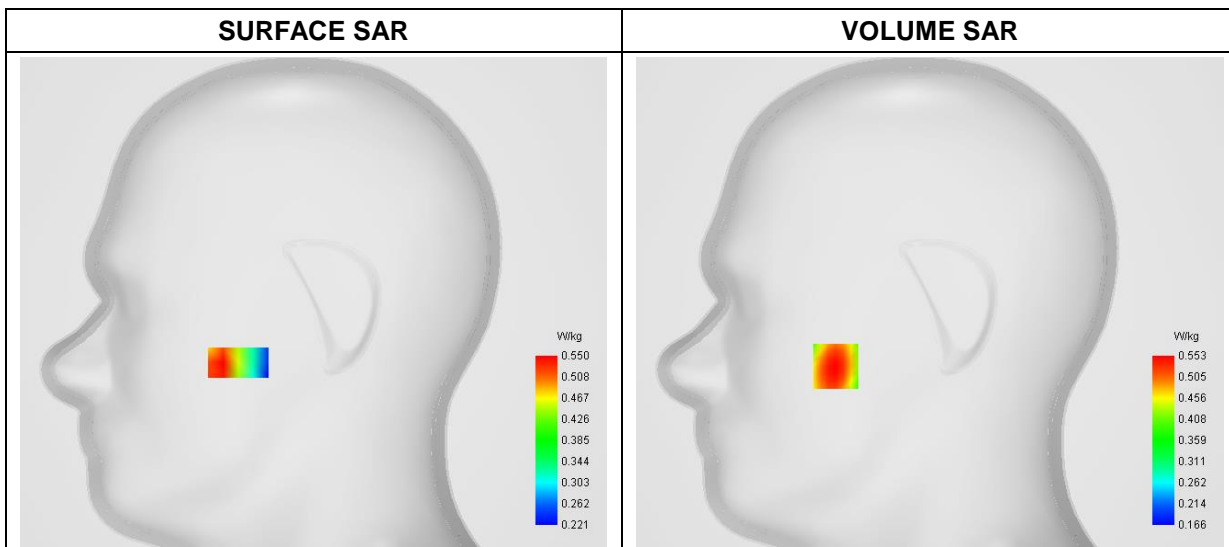
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 5
Channels	QPSK, 10MHz, 1RB, High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	844.000000
Relative Permittivity (real part)	42.061947
Conductivity (S/m)	0.881828
Power Variation (%)	1.930000
Ambient Temperature	23.2
Liquid Temperature	23.2

C. SAR Surface and Volume



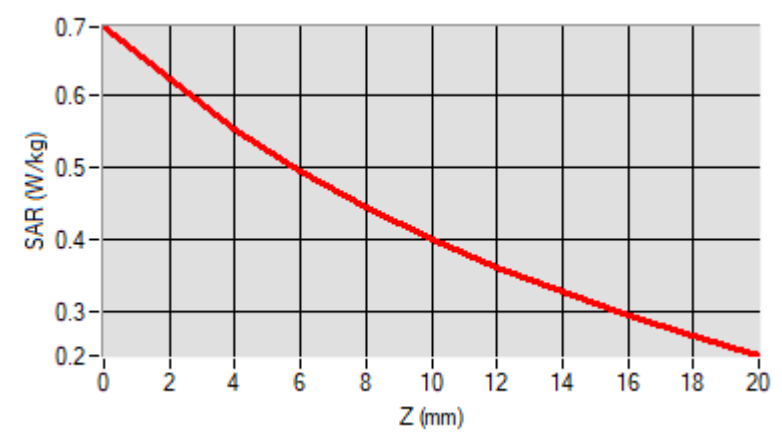
Maximum location: X=-50.00, Y=-34.00

D. SAR 1g & 10g

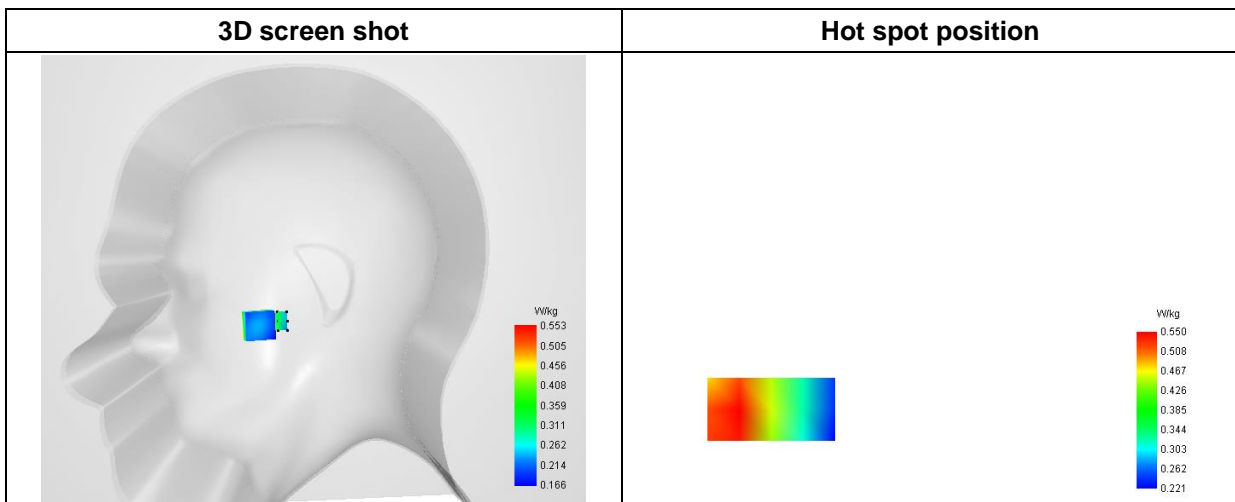
SAR 10g (W/Kg)	0.379705
SAR 1g (W/Kg)	0.530701

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.6946	0.5529	0.4952	0.4443	0.3998	0.3606	0.3255	0.2939	0.2648



F. 3D Image



MEASUREMENT 11

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-06
 Measurement duration: 12 minutes 3 seconds

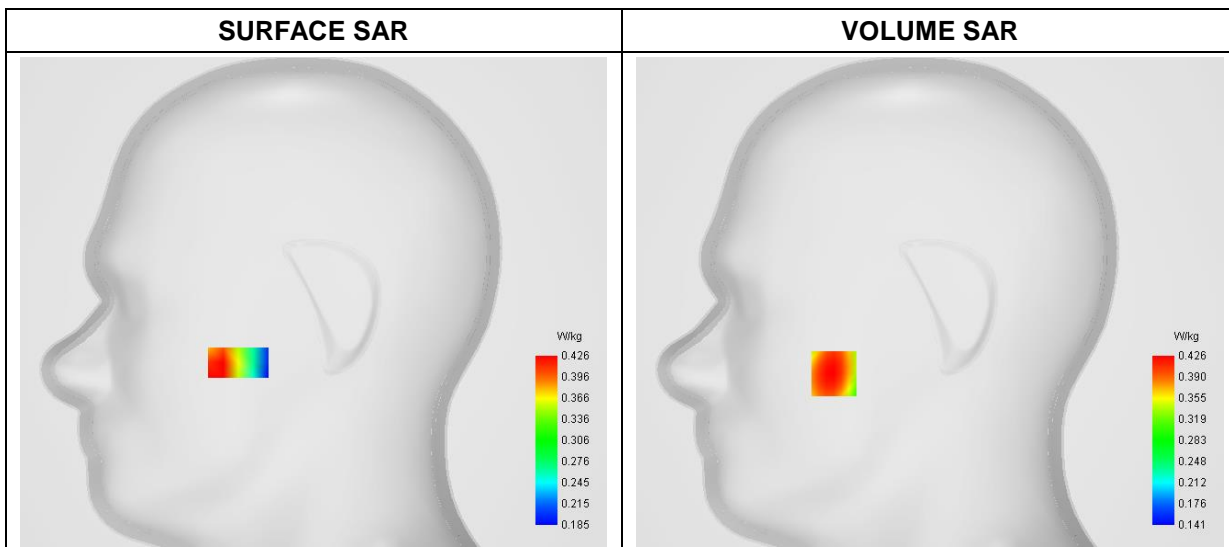
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 12
Channels	QPSK, 10MHz, 1RB, High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	711.000000
Relative Permittivity (real part)	42.322941
Conductivity (S/m)	0.871023
Power Variation (%)	2.150000
Ambient Temperature	23.2
Liquid Temperature	23.2

C. SAR Surface and Volume



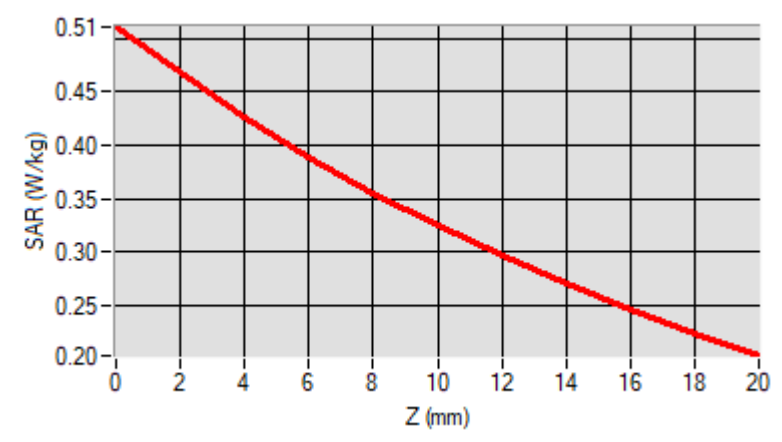
Maximum location: X=-51.00, Y=-38.00

D. SAR 1g & 10g

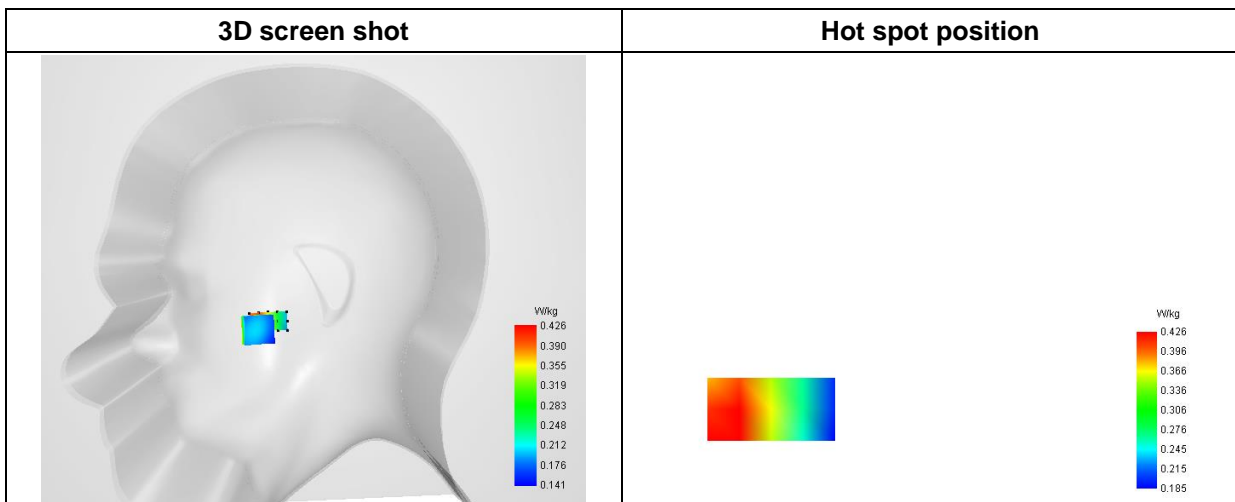
SAR 10g (W/Kg)	0.311475
SAR 1g (W/Kg)	0.418380

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.5110	0.4259	0.3891	0.3555	0.3248	0.2968	0.2709	0.2469	0.2244



F. 3D Image



MEASUREMENT 12

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-06
 Measurement duration: 12 minutes 3 seconds

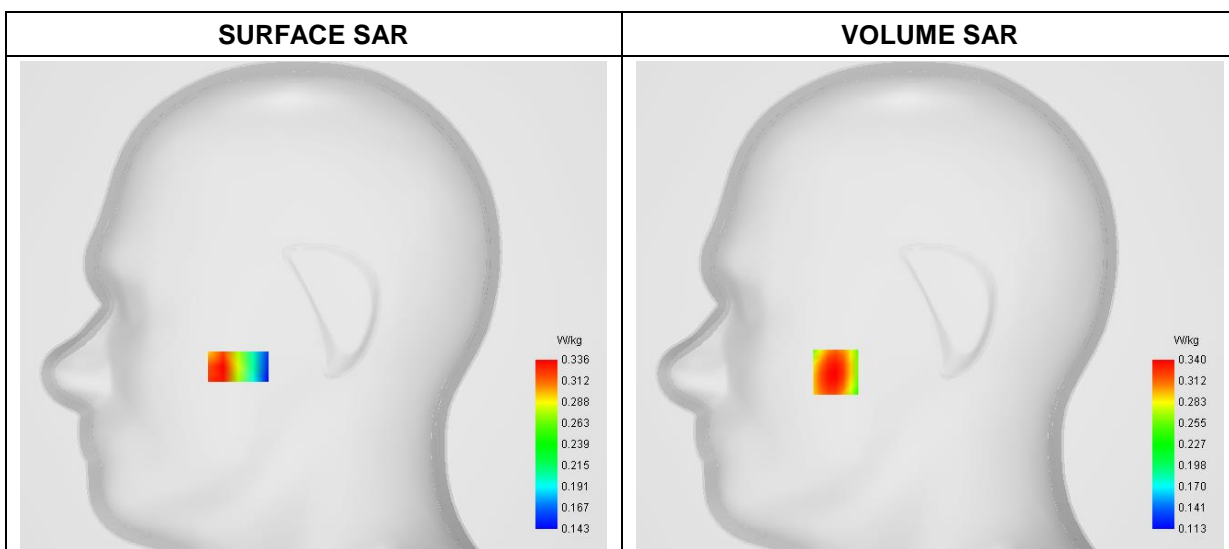
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Right 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)	42.312457
Conductivity (S/m)	0.872459
Power Variation (%)	1.950000
Ambient Temperature	23.2
Liquid Temperature	23.2

C. SAR Surface and Volume



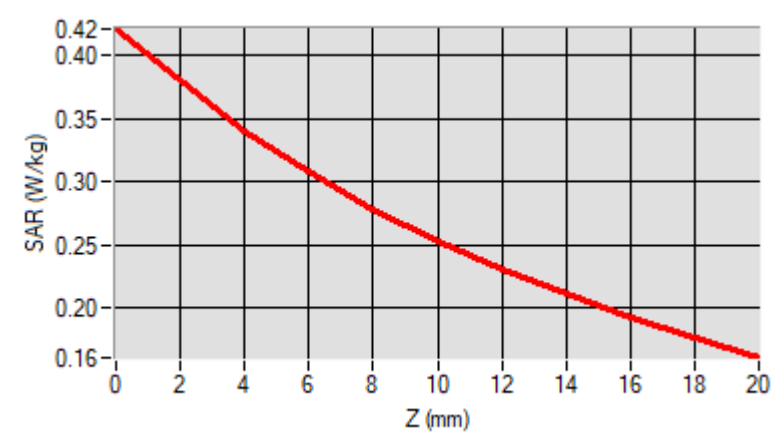
Maximum location: X=-50.00, Y=-35.00

D. SAR 1g & 10g

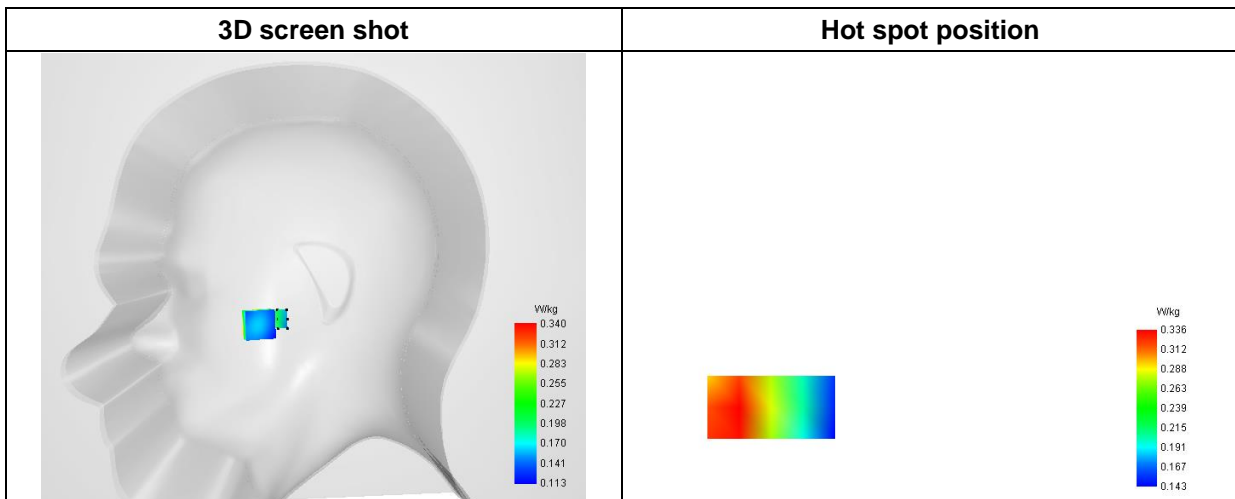
SAR 10g (W/Kg)	0.241697
SAR 1g (W/Kg)	0.326928

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.4207	0.3403	0.3075	0.2786	0.2534	0.2311	0.2112	0.1931	0.1765



F. 3D Image



MEASUREMENT 13

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-06
 Measurement duration: 12 minutes 3 seconds

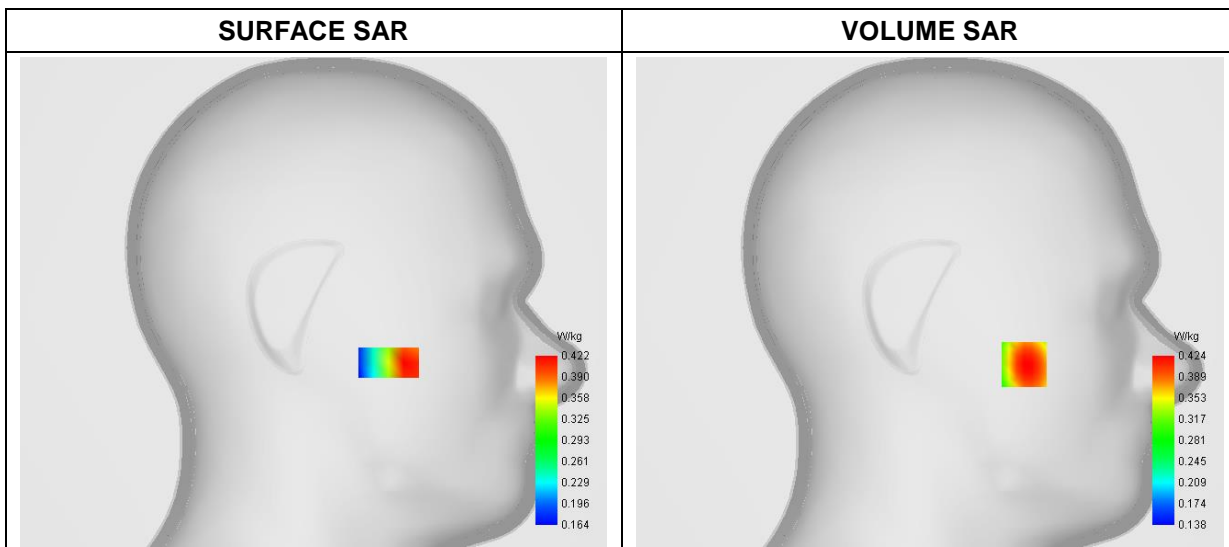
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Left 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)	42.321686
Conductivity (S/m)	0.873654
Power Variation (%)	-1.420000
Ambient Temperature	23.2
Liquid Temperature	23.2

C. SAR Surface and Volume



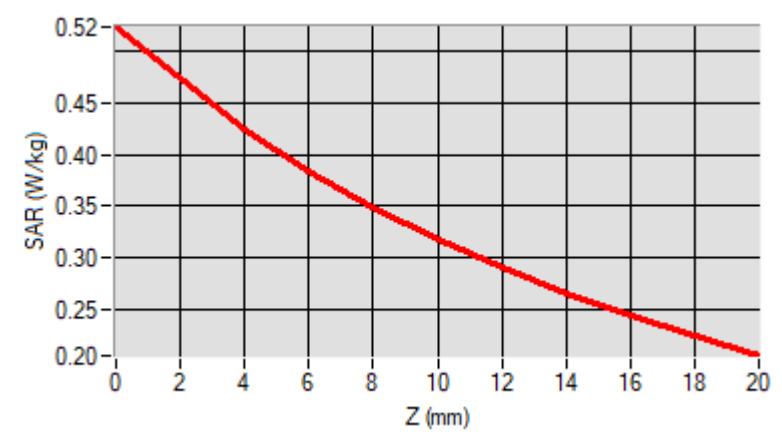
Maximum location: X=-50.00, Y=-33.00

D. SAR 1g & 10g

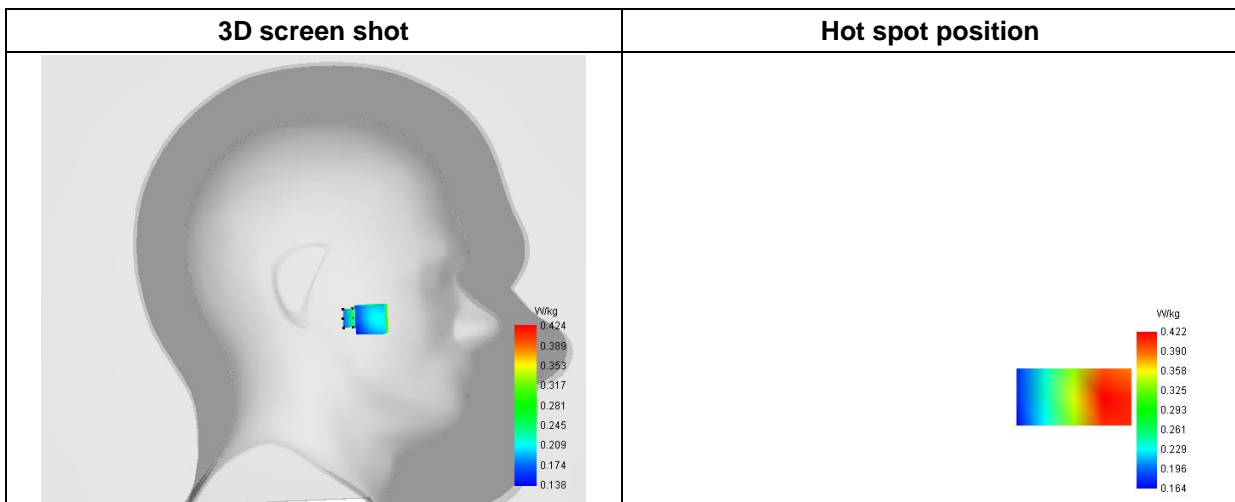
SAR 10g (W/Kg)	0.309278
SAR 1g (W/Kg)	0.415840

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.5242	0.4244	0.3839	0.3483	0.3173	0.2900	0.2657	0.2437	0.2235



F. 3D Image



MEASUREMENT 14

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-08
 Measurement duration: 12 minutes 3 seconds

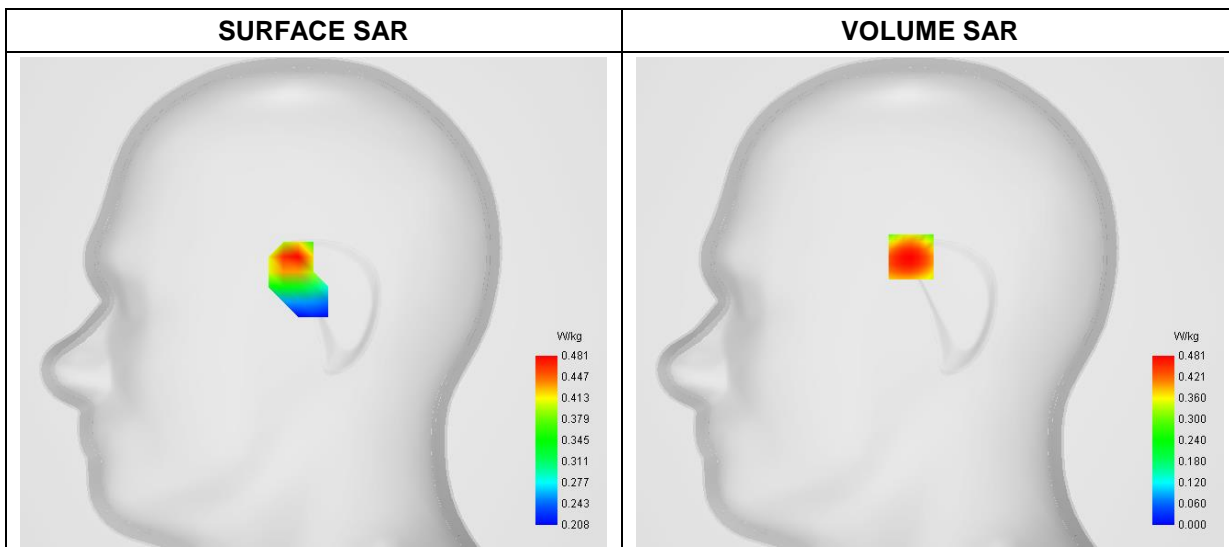
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 25
Channels	QPSK, 20MHz, 1RB, High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	1905.000000
Relative Permittivity (real part)	39.582631
Conductivity (S/m)	1.383625
Power Variation (%)	1.510000
Ambient Temperature	23.5
Liquid Temperature	23.5

C. SAR Surface and Volume



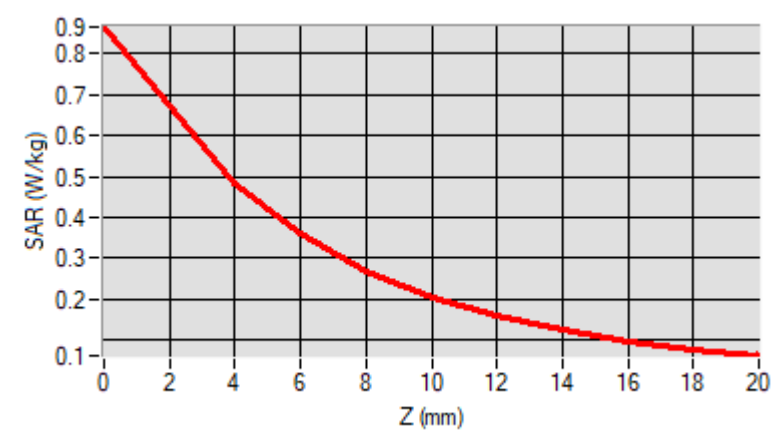
Maximum location: X=-10.00, Y=24.00

D. SAR 1g & 10g

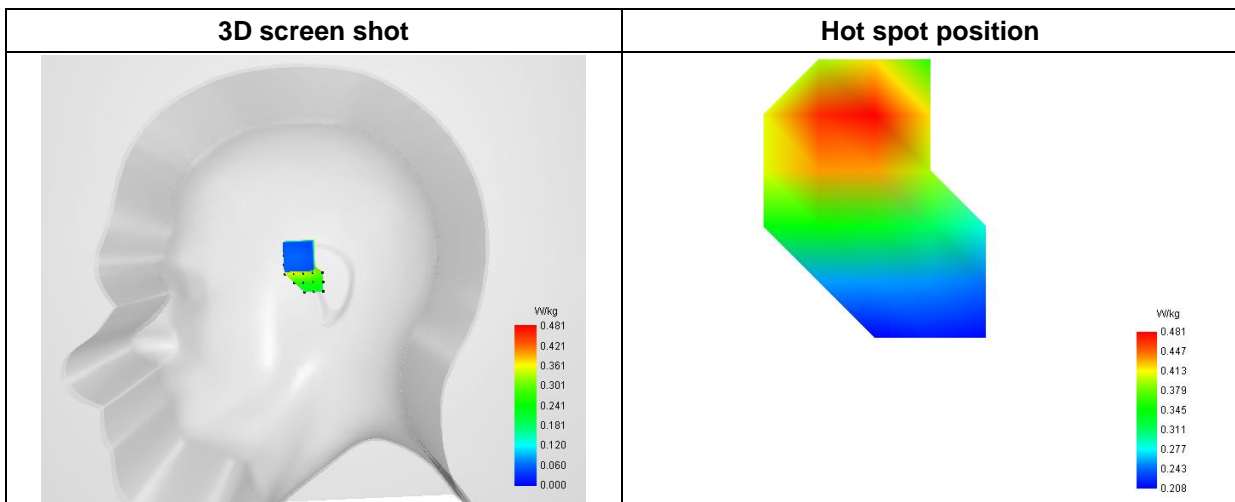
SAR 10g (W/Kg)	0.244766
SAR 1g (W/Kg)	0.456371

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.8660	0.4807	0.3592	0.2689	0.2040	0.1571	0.1228	0.0970	0.0744



F. 3D Image



MEASUREMENT 15

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-06
 Measurement duration: 12 minutes 3 seconds

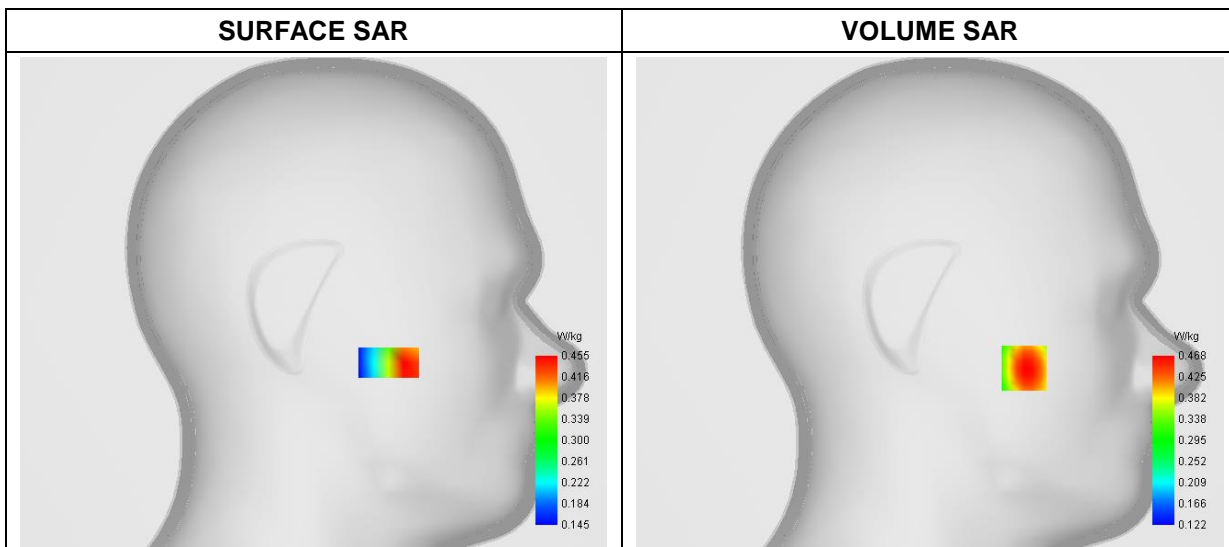
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 26(814-824MHz)
Channels	QPSK, 10MHz, 1RB, Middle
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	819.000000
Relative Permittivity (real part)	42.063537
Conductivity (S/m)	0.884058
Power Variation (%)	1.180000
Ambient Temperature	23.5
Liquid Temperature	23.5

C. SAR Surface and Volume



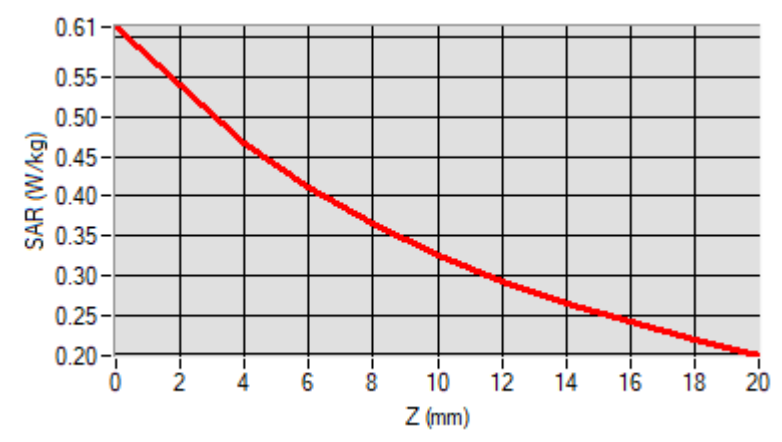
Maximum location: X=-50.00, Y=-35.00

D. SAR 1g & 10g

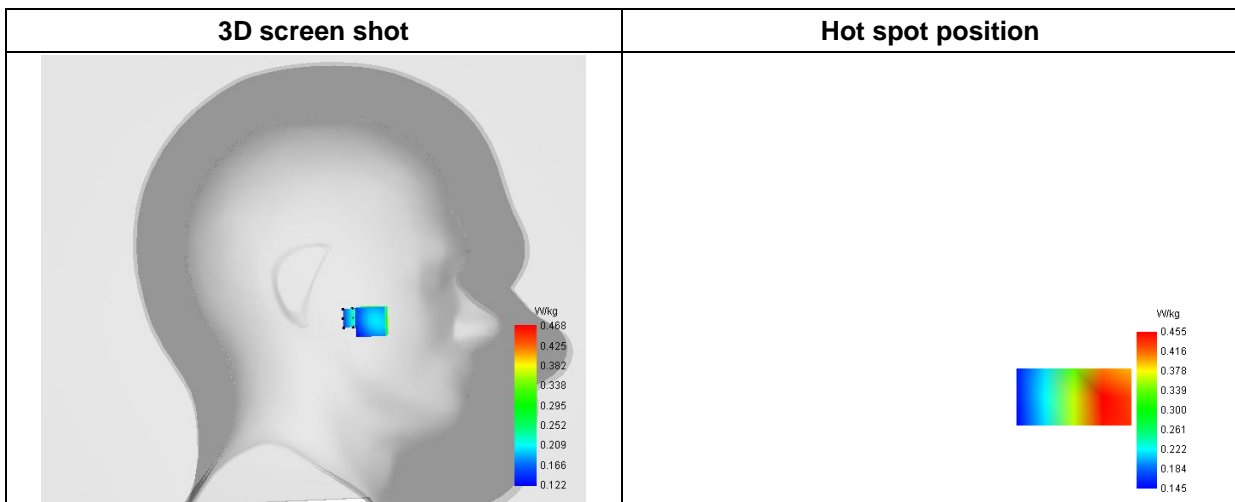
SAR 10g (W/Kg)	0.316151
SAR 1g (W/Kg)	0.446735

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.6137	0.4679	0.4122	0.3651	0.3259	0.2930	0.2649	0.2405	0.2186



F. 3D Image



MEASUREMENT 16

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-06
 Measurement duration: 12 minutes 3 seconds

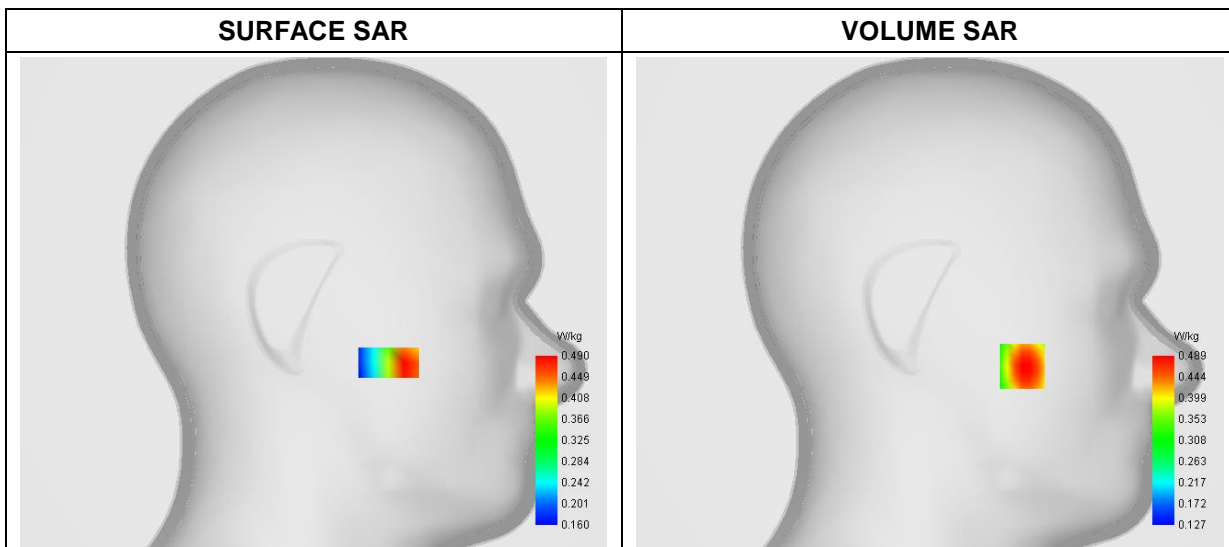
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 26(824-849MHz)
Channels	QPSK, 15MHz, 1RB,High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	841.5000000
Relative Permittivity (real part)	42.062454
Conductivity (S/m)	0.882978
Power Variation (%)	1.250000
Ambient Temperature	23.2
Liquid Temperature	23.2

C. SAR Surface and Volume



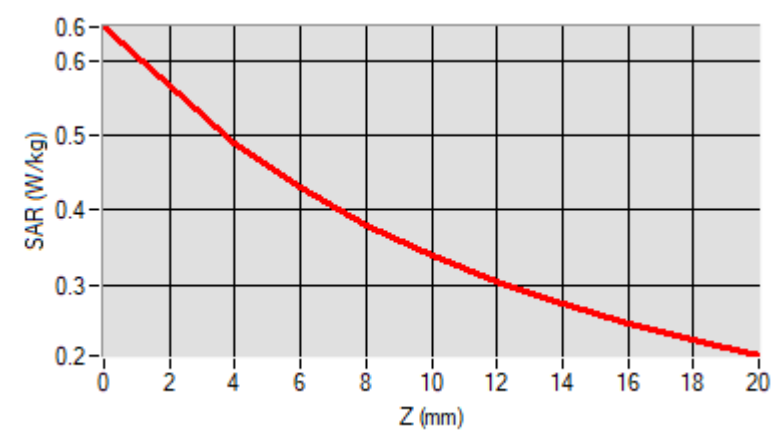
Maximum location: X=-49.00, Y=-34.00

D. SAR 1g & 10g

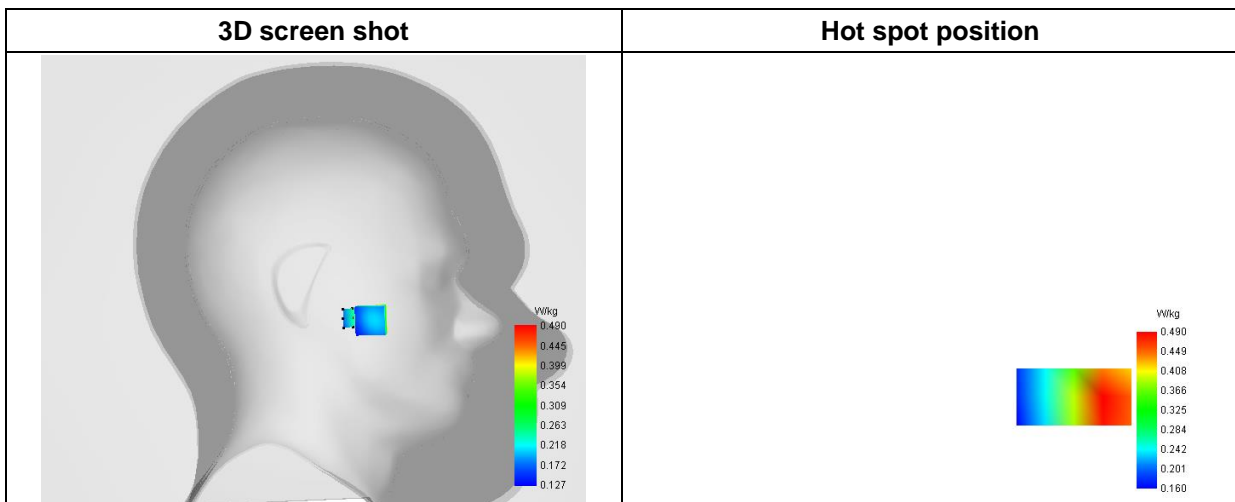
SAR 10g (W/Kg)	0.328160
SAR 1g (W/Kg)	0.467858

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.6453	0.4891	0.4297	0.3797	0.3382	0.3036	0.2741	0.2485	0.2257



F. 3D Image



MEASUREMENT 17

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-08
 Measurement duration: 12 minutes 3 seconds

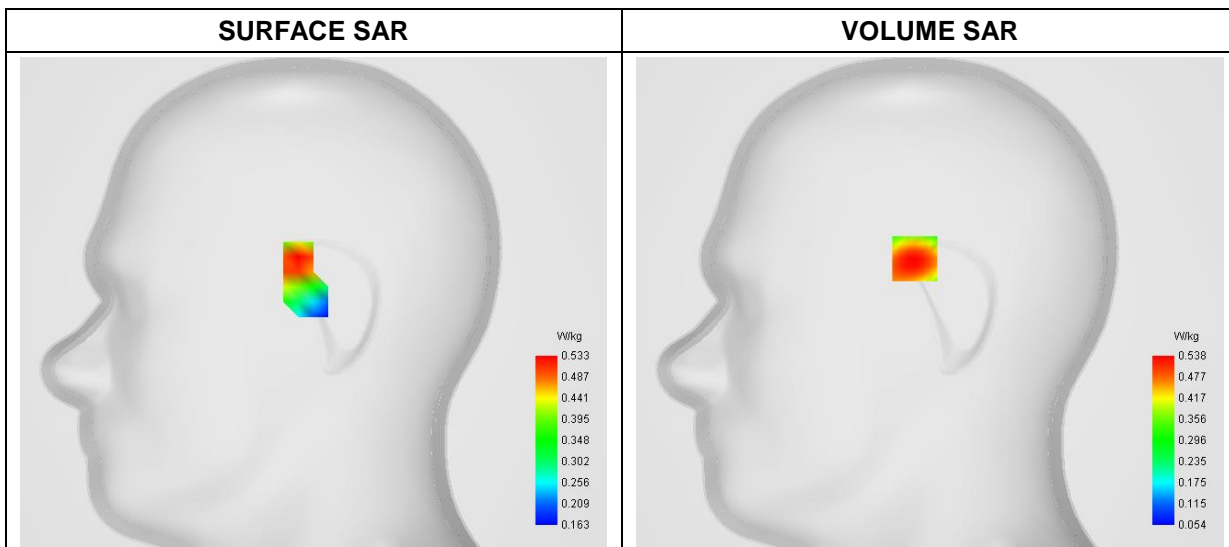
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
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)	39.624875
Conductivity (S/m)	1.382525
Power Variation (%)	1.500000
Ambient Temperature	23.5
Liquid Temperature	23.5

C. SAR Surface and Volume



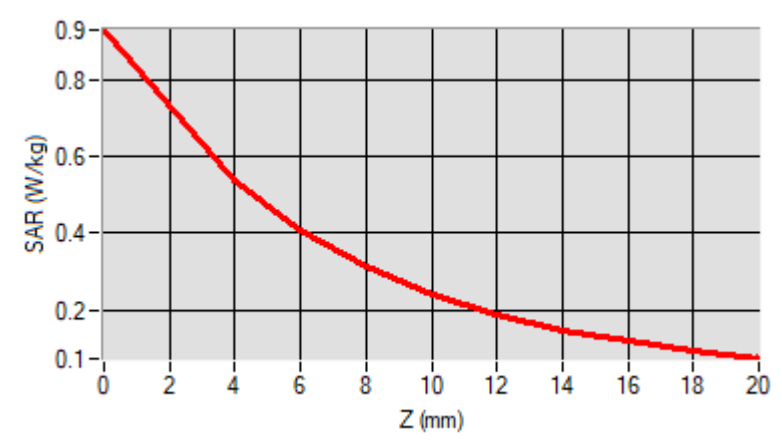
Maximum location: X=-8.00, Y=23.00

D. SAR 1g & 10g

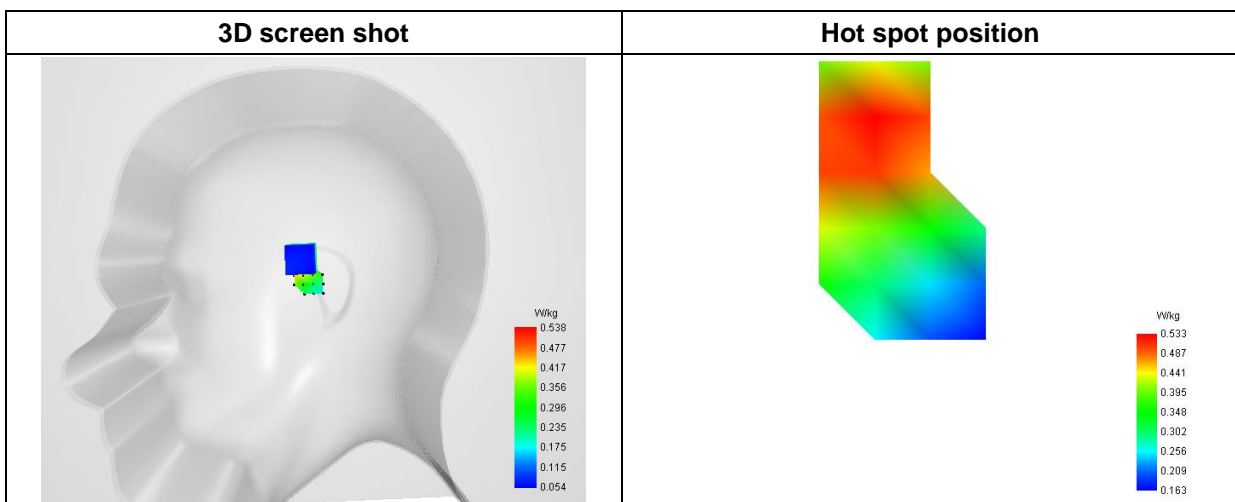
SAR 10g (W/Kg)	0.280395
SAR 1g (W/Kg)	0.511220

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.9278	0.5376	0.4090	0.3117	0.2404	0.1878	0.1483	0.1180	0.0939



F. 3D Image



MEASUREMENT 18

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-06
 Measurement duration: 12 minutes 3 seconds

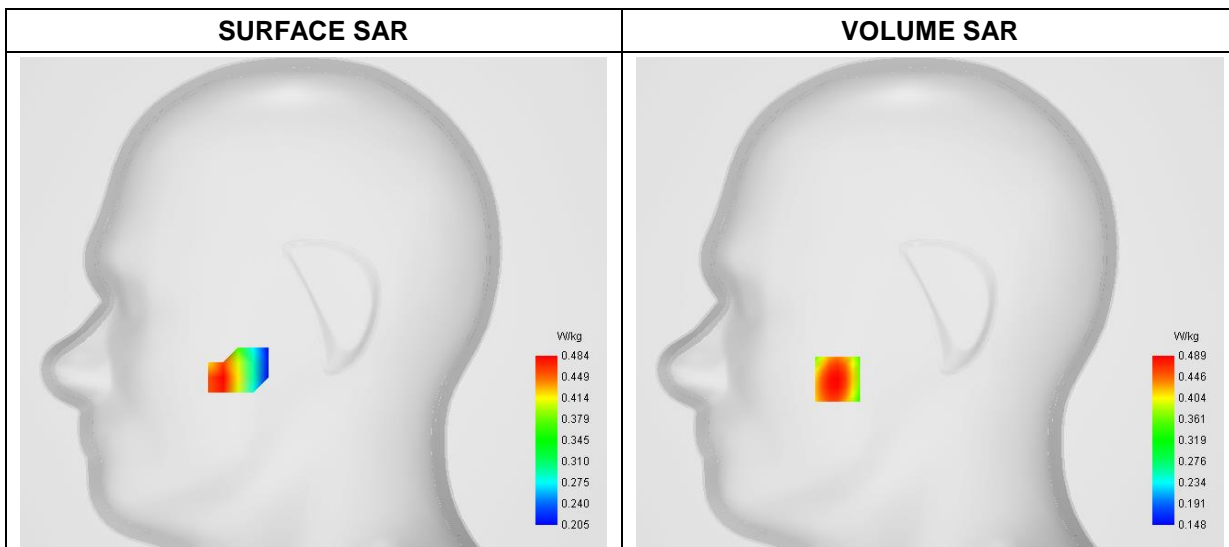
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 71
Channels	QPSK, 20MHz, 1RB, Middle
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	680.500000
Relative Permittivity (real part)	42.322951
Conductivity (S/m)	0.873071
Power Variation (%)	4.450000
Ambient Temperature	23.2
Liquid Temperature	23.2

C. SAR Surface and Volume



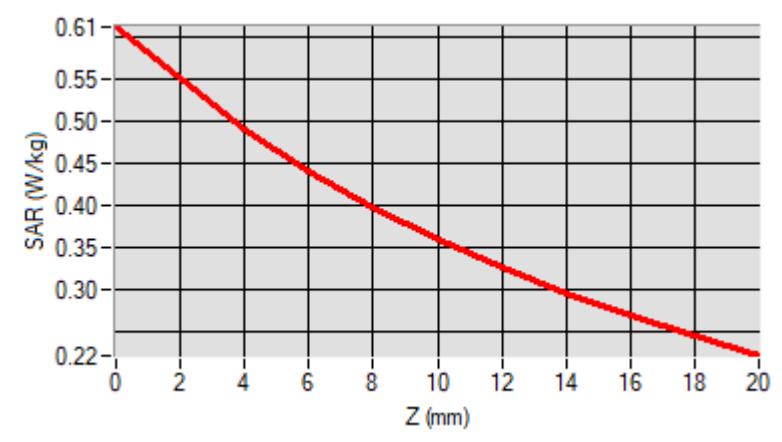
Maximum location: X=-49.00, Y=-41.00

D. SAR 1g & 10g

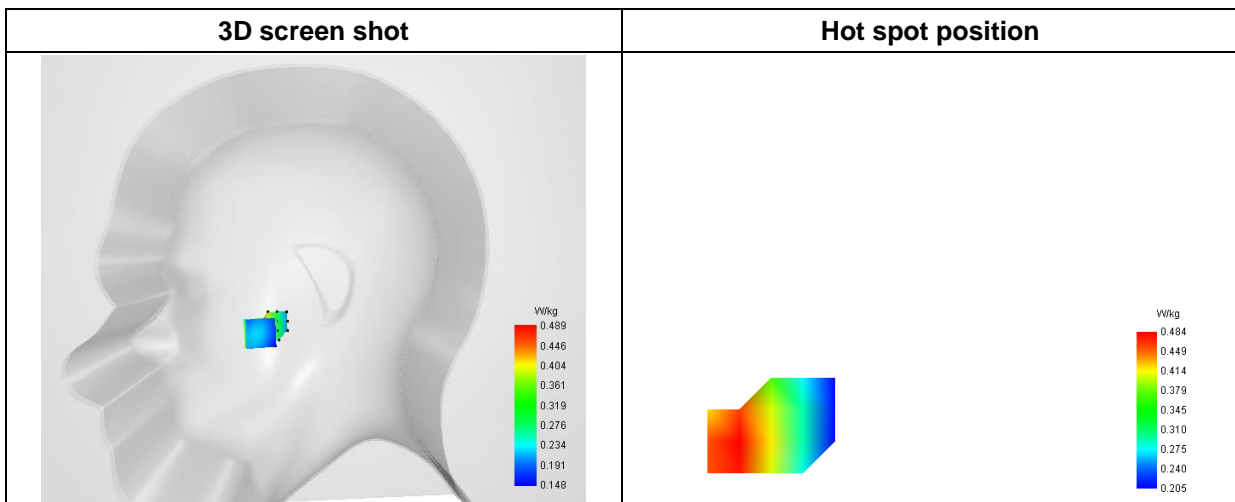
SAR 10g (W/Kg)	0.347800
SAR 1g (W/Kg)	0.480401

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.6112	0.4889	0.4394	0.3959	0.3581	0.3248	0.2952	0.2685	0.2440



F. 3D Image



MEASUREMENT 19

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-09
 Measurement duration: 12 minutes 3 seconds

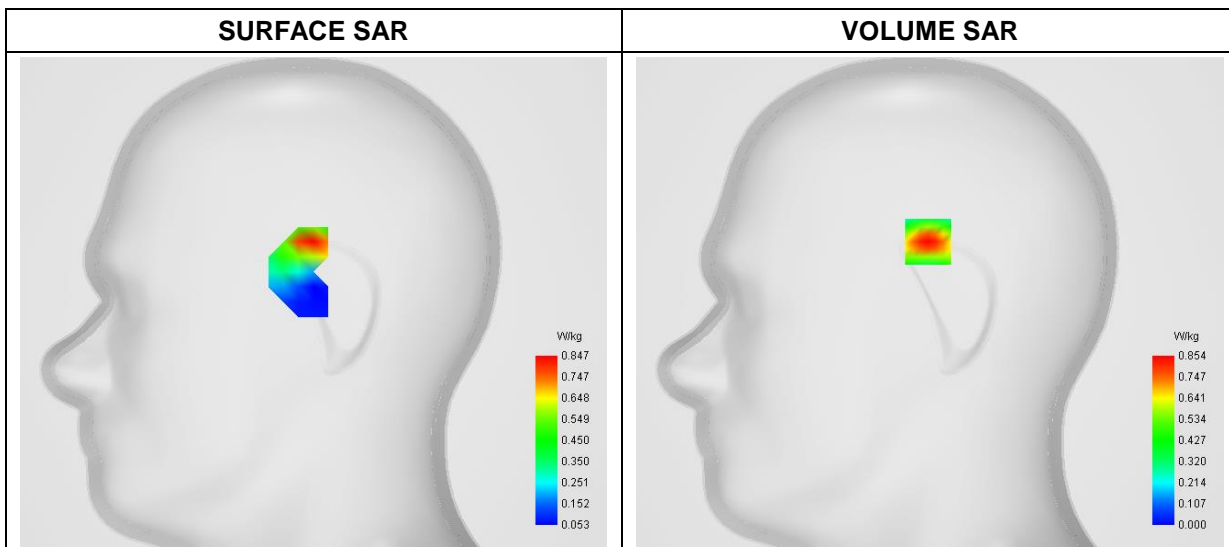
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 41(2535-2655MHz)
Channels	16QAM, 20MHz, 1RB, Middle
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	2595.000000
Relative Permittivity (real part)	38.962561
Conductivity (S/m)	1.943017
Power Variation (%)	1.5800000
Ambient Temperature	23.6
Liquid Temperature	23.6

C. SAR Surface and Volume



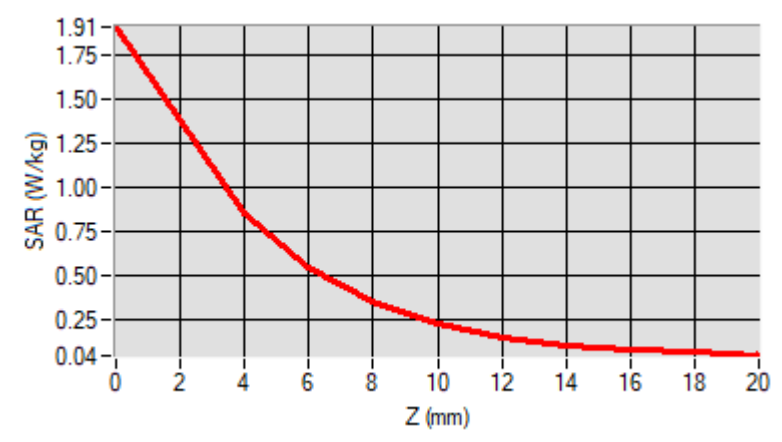
Maximum location: X=-1.00, Y=32.00

D. SAR 1g & 10g

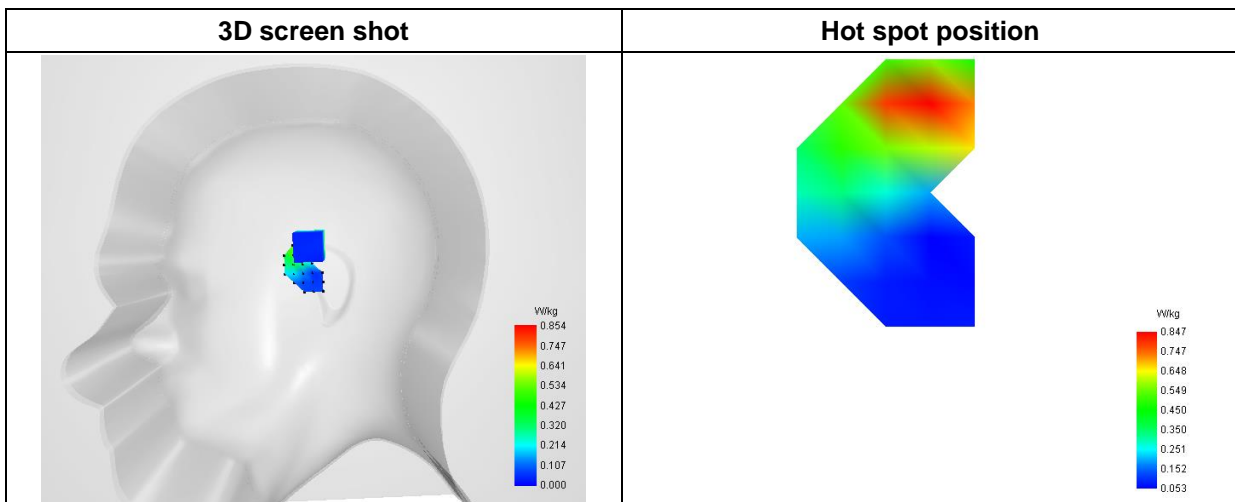
SAR 10g (W/Kg)	0.344495
SAR 1g (W/Kg)	0.803240

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	1.9140	0.8543	0.5491	0.3487	0.2253	0.1503	0.1048	0.0769	0.0635



F. 3D Image



MEASUREMENT 20

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-09
 Measurement duration: 12 minutes 3 seconds

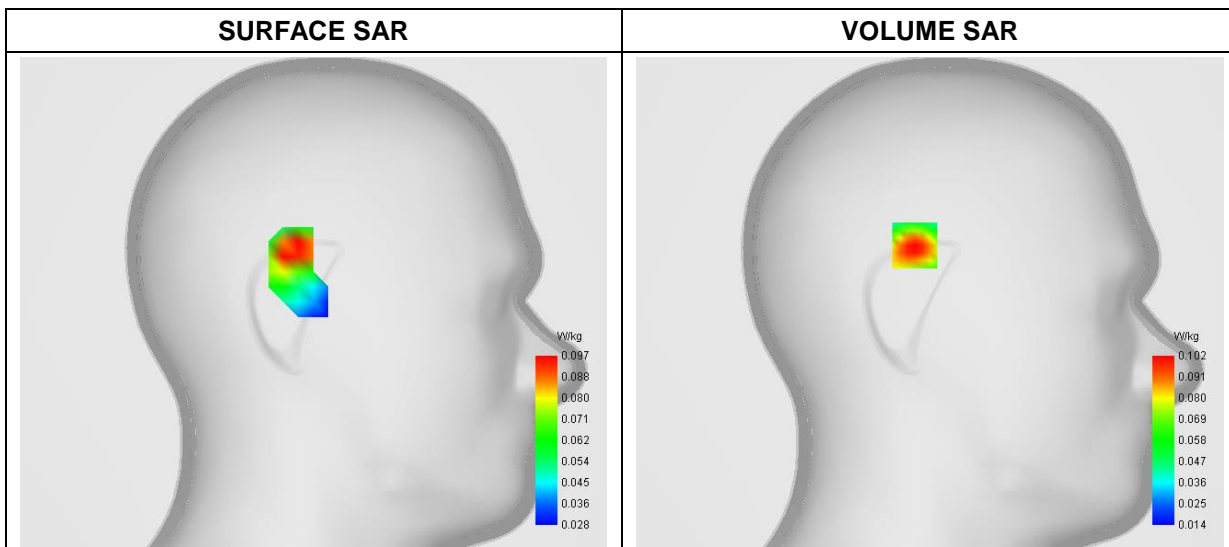
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Left Head
Device Position	Cheek
Band	WiFi(2.4GHz)_802.11b
Channels	Middle
Signal	Duty Cycle: 1:1

B. SAR Measurement Results

Frequency (MHz)	2437.000000
Relative Permittivity (real part)	39.091835
Conductivity (S/m)	1.764129
Power Variation (%)	1.100000
Ambient Temperature	23.6
Liquid Temperature	23.6

C. SAR Surface and Volume



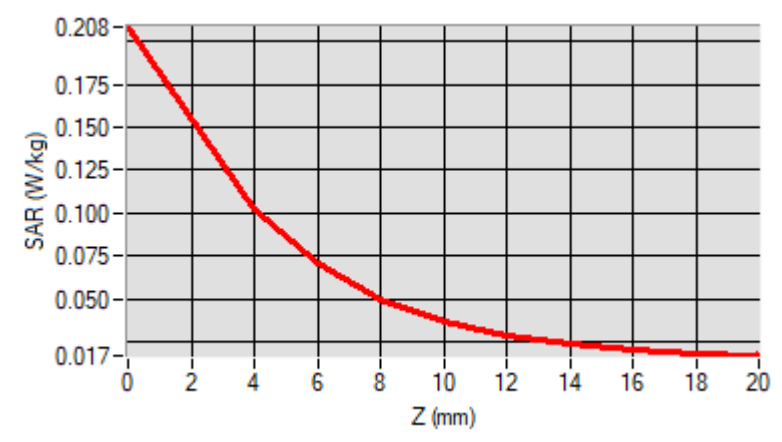
Maximum location: X=8.00, Y=30.00

D. SAR 1g & 10g

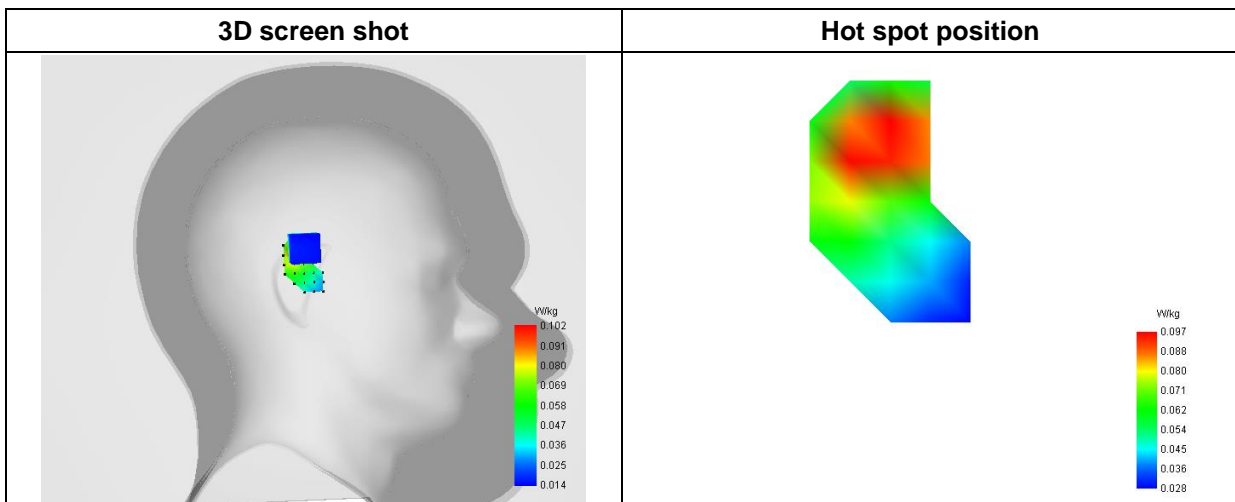
SAR 10g (W/Kg)	0.050309
SAR 1g (W/Kg)	0.098449

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.2084	0.1021	0.0711	0.0501	0.0368	0.0284	0.0233	0.0202	0.0182



F. 3D Image



MEASUREMENT 21

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-07
 Measurement duration: 12 minutes 3 seconds

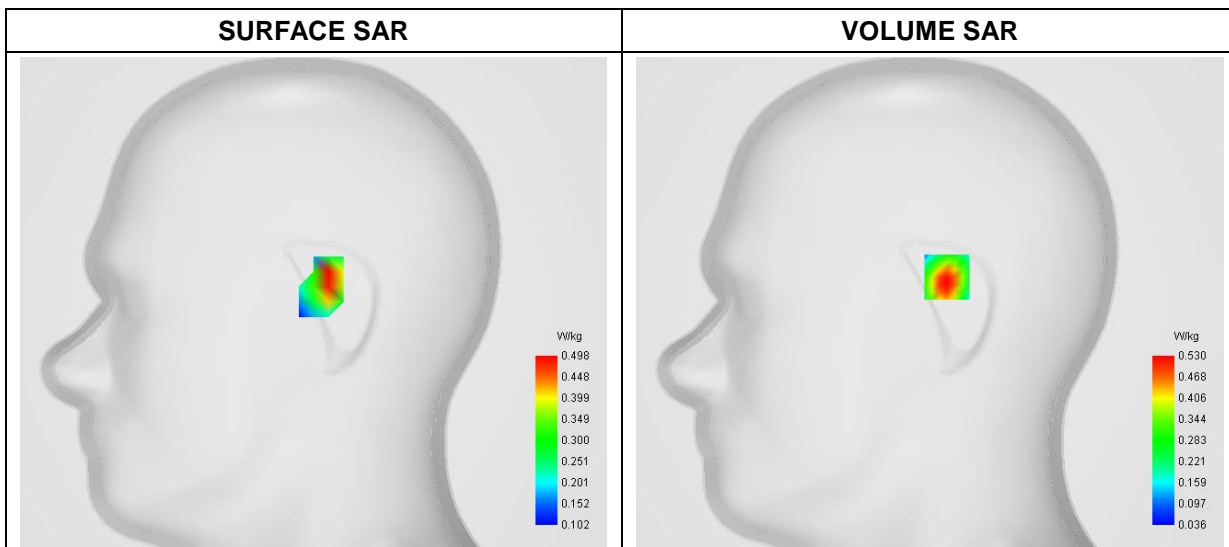
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Right 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)	36.612911
Conductivity (S/m)	4.831483
Power Variation (%)	1.560000
Ambient Temperature	23.8
Liquid Temperature	23.8

C. SAR Surface and Volume



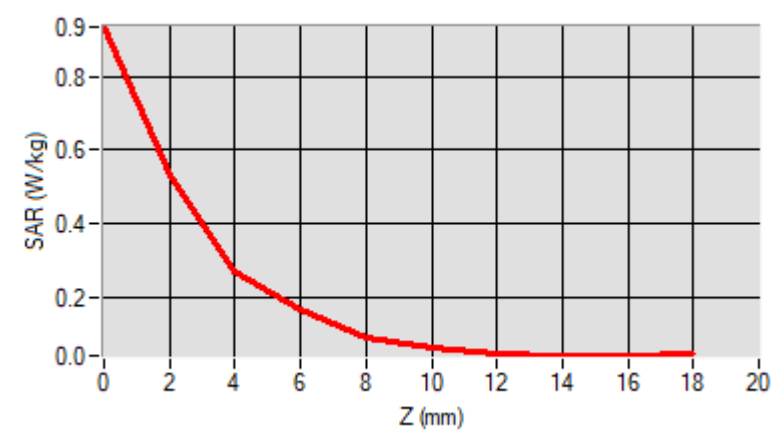
Maximum location: X=9.00, Y=13.00

D. SAR 1g & 10g

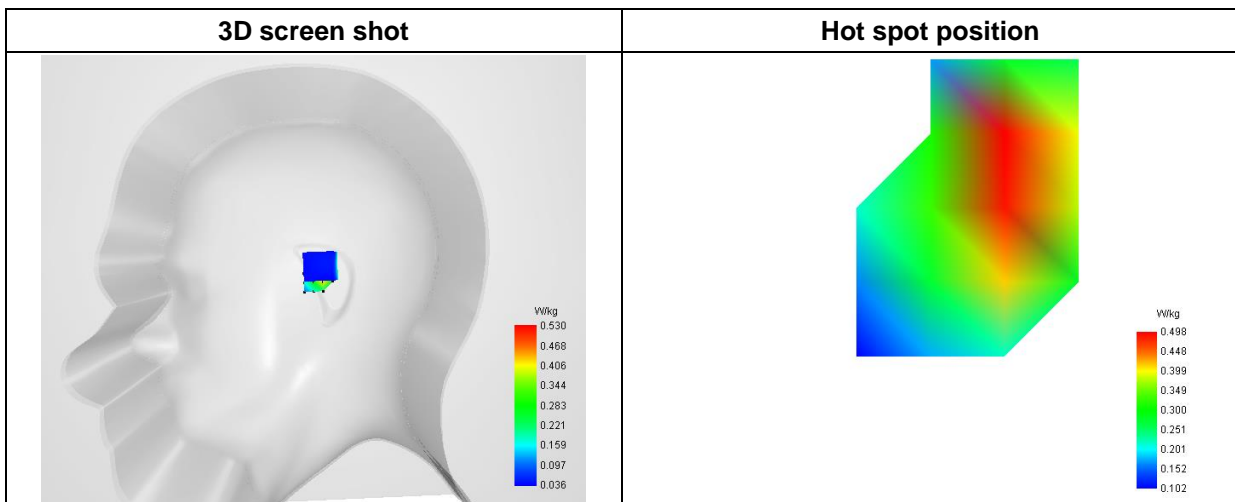
SAR 10g (W/Kg)	0.218552
SAR 1g (W/Kg)	0.522985

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)	0.9341	0.5297	0.2689	0.1687	0.0930	0.0638	0.0485	0.0428	0.0433



F. 3D Image



MEASUREMENT 22

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-07
 Measurement duration: 12 minutes 3 seconds

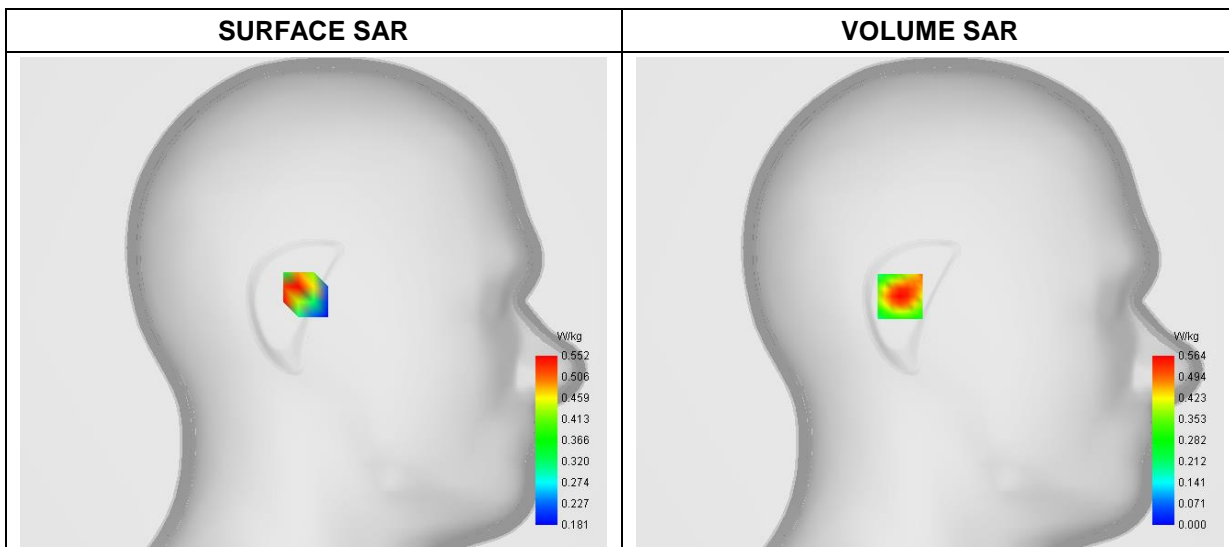
A. Experimental conditions

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	Low
Signal	Duty Cycle: 1:1

B. SAR Measurement Results

Frequency (MHz)	5260.000000
Relative Permittivity (real part)	36.614129
Conductivity (S/m)	4.832694
Power Variation (%)	2.510000
Ambient Temperature	23.8
Liquid Temperature	23.8

C. SAR Surface and Volume



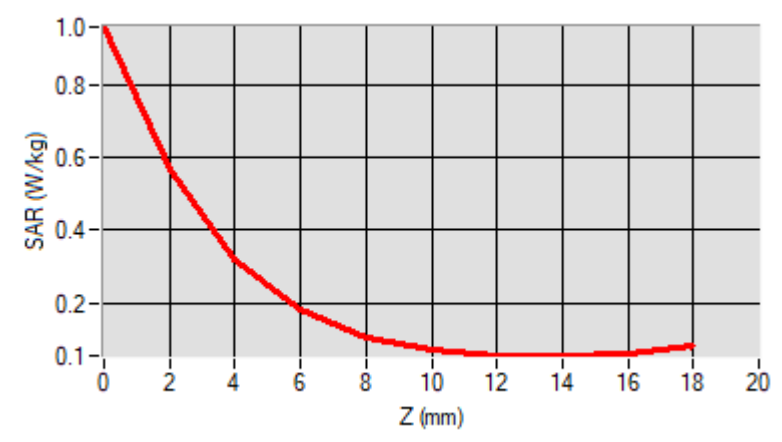
Maximum location: X=16.00, Y=3.00

D. SAR 1g & 10g

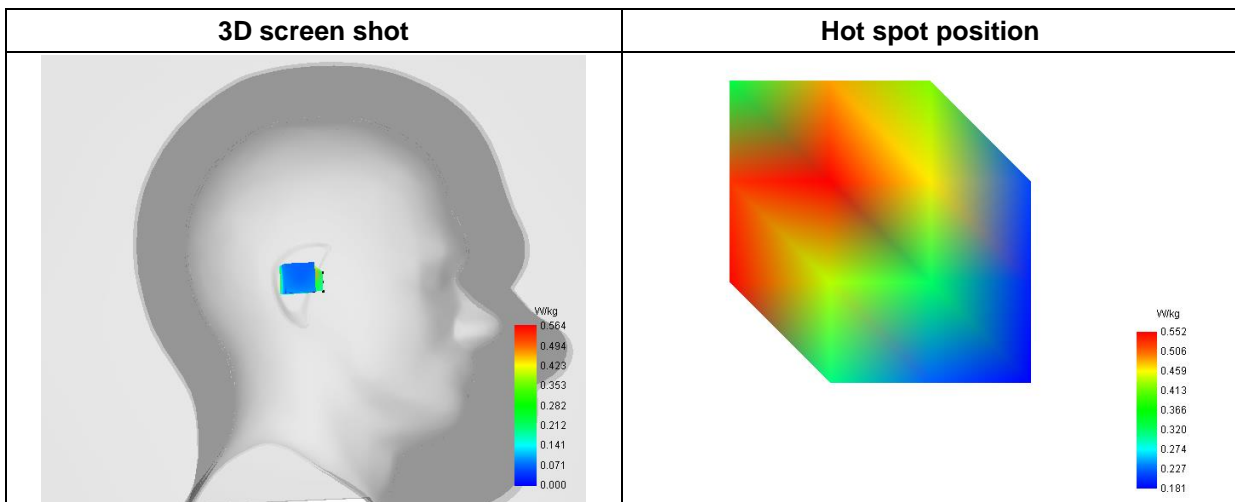
SAR 10g (W/Kg)	0.255773
SAR 1g (W/Kg)	0.567586

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.9576	0.5643	0.3200	0.1793	0.1068	0.0720	0.0578	0.0553	0.0602	0.0602



F. 3D Image



MEASUREMENT 23

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-07
 Measurement duration: 12 minutes 3 seconds

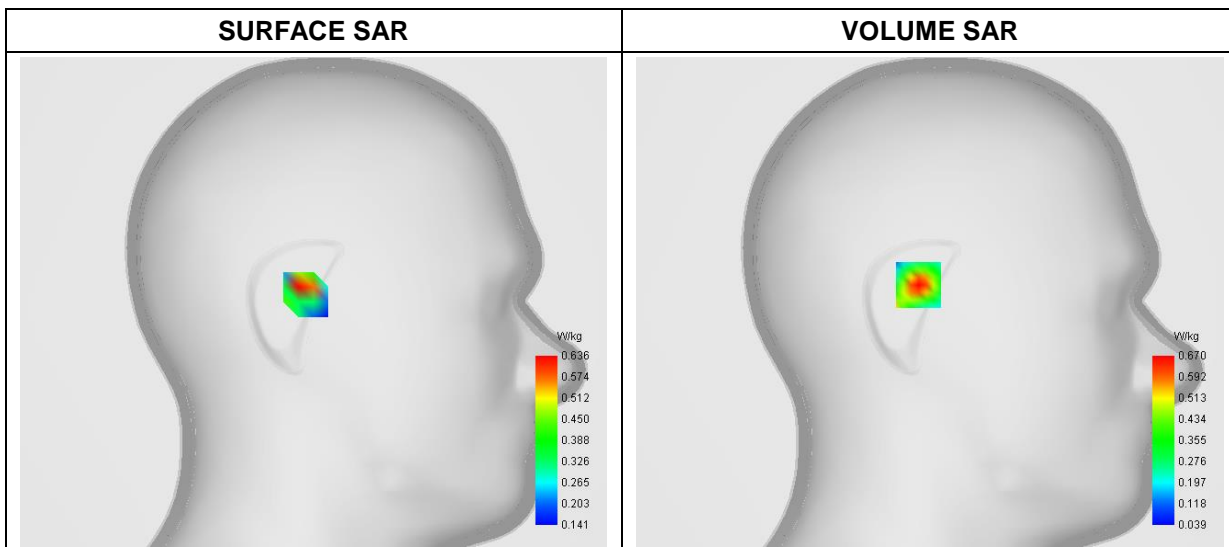
A. Experimental conditions

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	Low
Signal	Duty Cycle: 1:1

B. SAR Measurement Results

Frequency (MHz)	5745.000000
Relative Permittivity (real part)	35.911841
Conductivity (S/m)	5.190854
Power Variation (%)	1.220000
Ambient Temperature	23.8
Liquid Temperature	23.8

C. SAR Surface and Volume



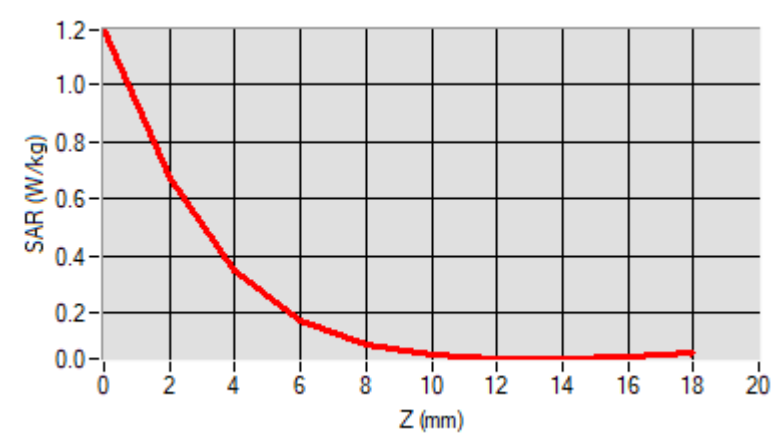
Maximum location: X=6.00, Y=9.00

D. SAR 1g & 10g

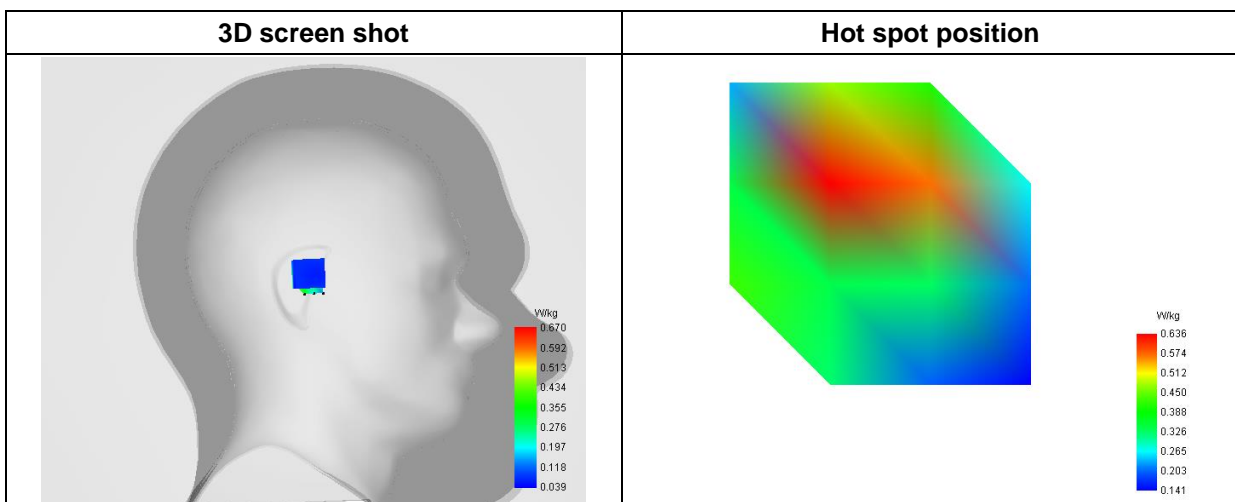
SAR 10g (W/Kg)	0.257201
SAR 1g (W/Kg)	0.659511

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	1.1929	0.6704	0.3494	0.1745	0.0913	0.0550	0.0422	0.0421	0.0502	0.0502



F. 3D Image



MEASUREMENT 24

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-06
 Measurement duration: 11 minutes 48 seconds

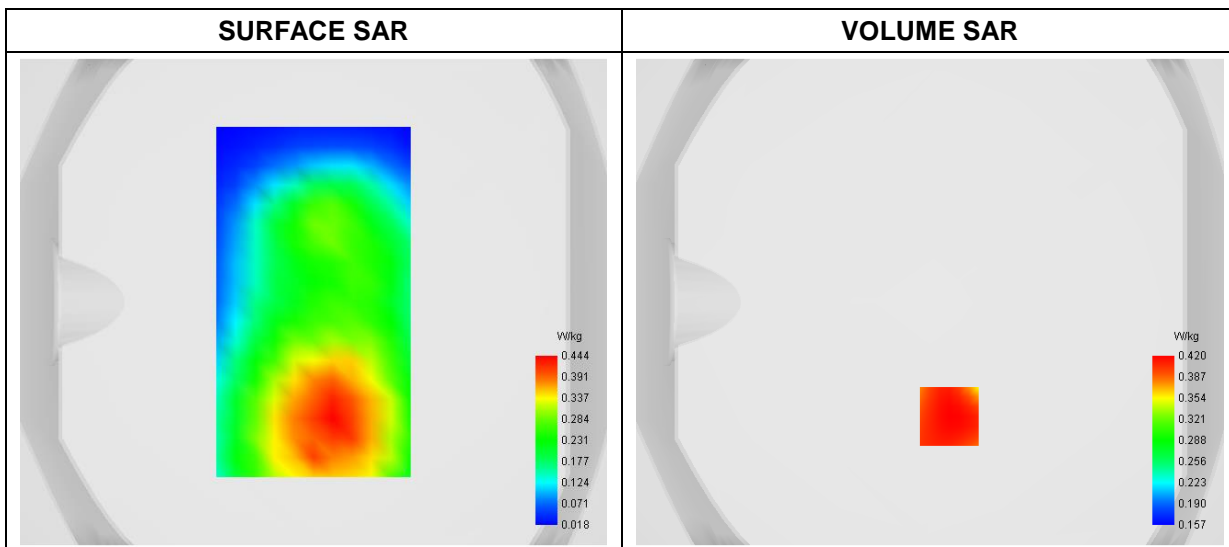
A. Experimental condition

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Flat Plane
Device Position	Back
Band	GSM850
Channels	High
Signal	TDMA (Crest factor: 8.0)

B. SAR Measurement Results

Frequency (MHz)	848.800000
Relative Permittivity (real part)	42.064612
Conductivity (S/m)	0.881321
Power Variation (%)	1.650000
Ambient Temperature	23.2
Liquid Temperature	23.2

C. SAR Surface and Volume



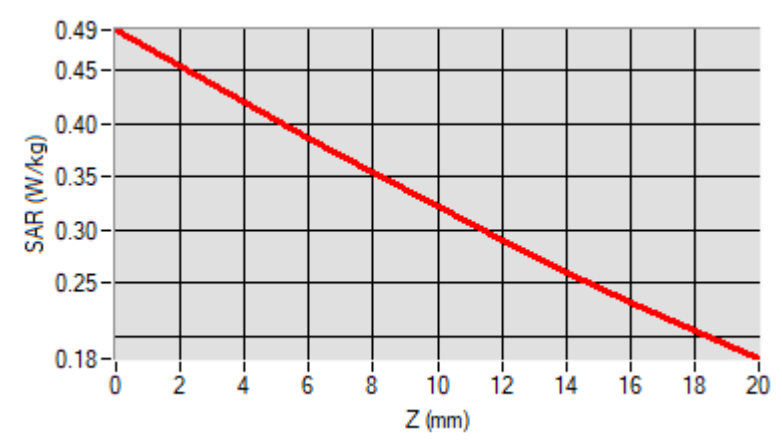
Maximum location: X=8.00, Y=-47.00

D. SAR 1g & 10g

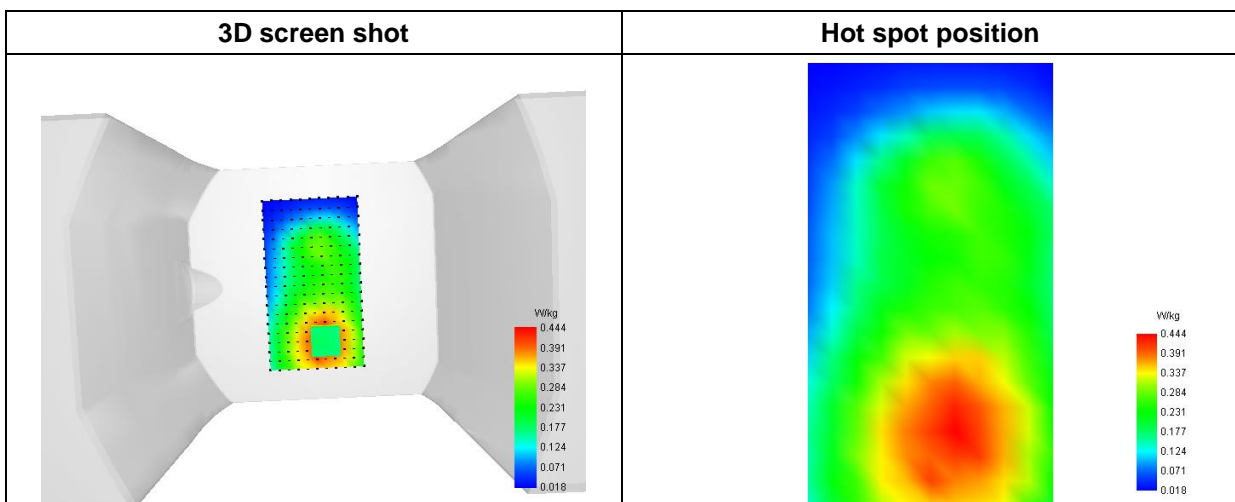
SAR 10g (W/Kg)	0.305708
SAR 1g (W/Kg)	0.407644

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.4884	0.4201	0.3865	0.3537	0.3216	0.2904	0.2605	0.2318	0.2047



F. 3D Image



MEASUREMENT 25

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-08
 Measurement duration: 11 minutes 48 seconds

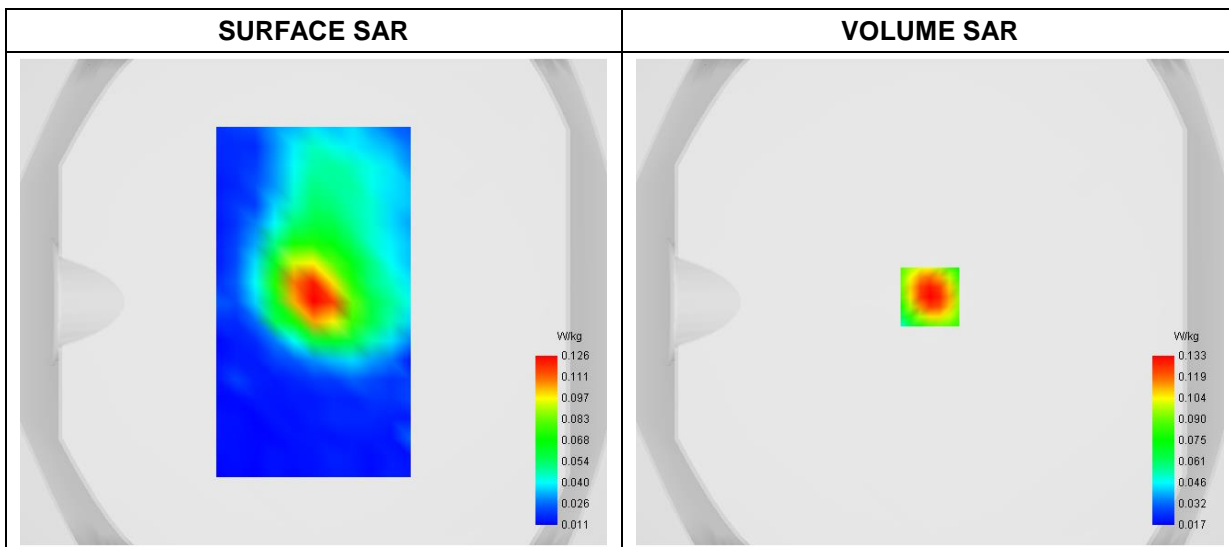
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
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)	39.611894
Conductivity (S/m)	1.381624
Power Variation (%)	1.130000
Ambient Temperature	23.5
Liquid Temperature	23.5

C. SAR Surface and Volume



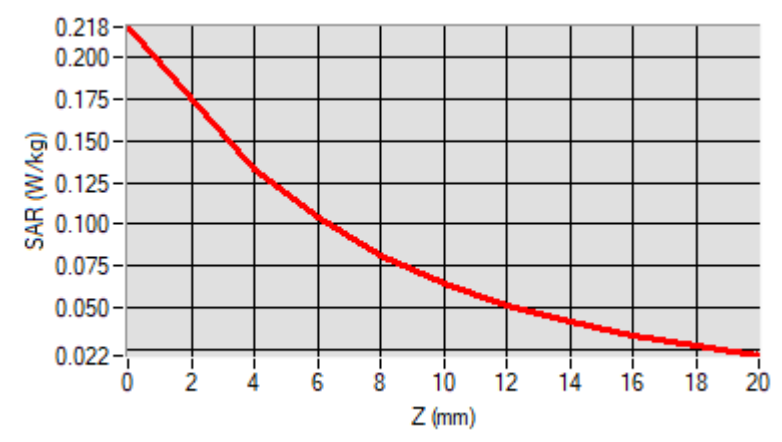
Maximum location: X=0.00, Y=2.00

D. SAR 1g & 10g

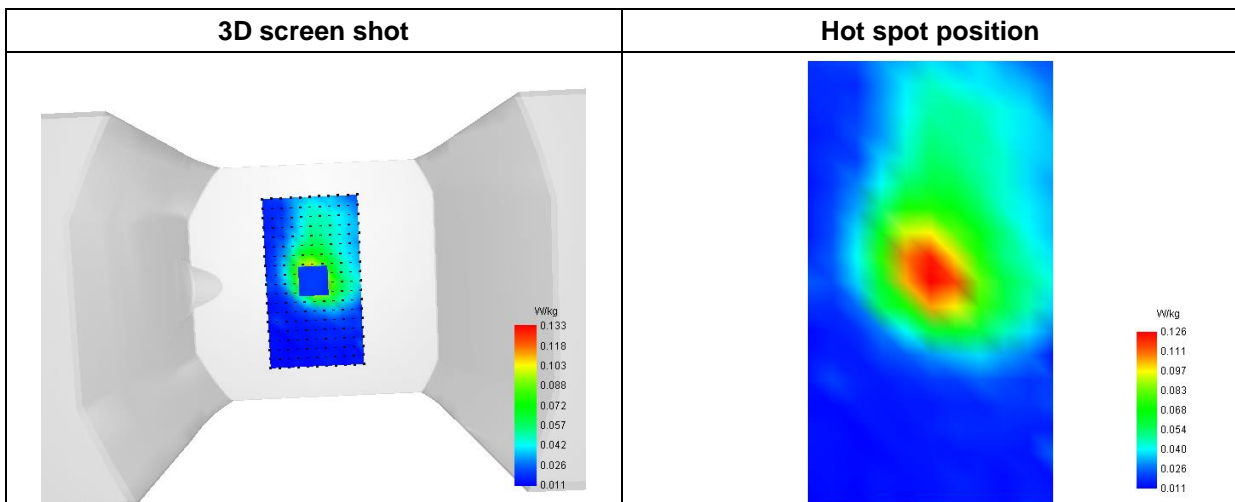
SAR 10g (W/Kg)	0.068462
SAR 1g (W/Kg)	0.125845

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.2178	0.1328	0.1039	0.0814	0.0644	0.0515	0.0415	0.0335	0.0271



F. 3D Image



MEASUREMENT 26/47

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-08
 Measurement duration: 12 minutes 3 seconds

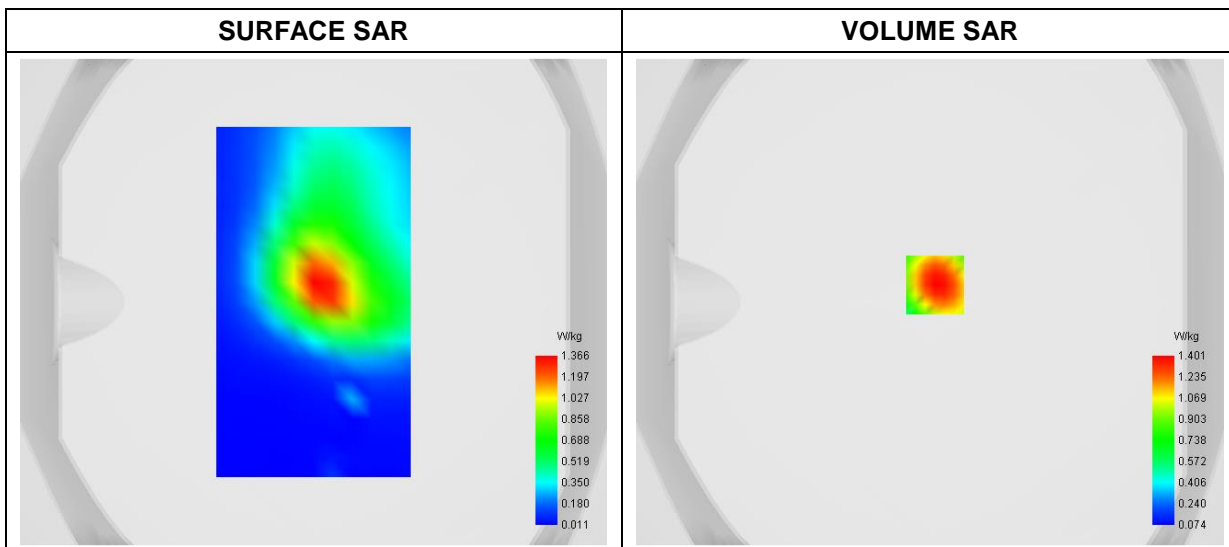
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
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)	39.582648
Conductivity (S/m)	1.381645
Power Variation (%)	-1.550000
Ambient Temperature	23.5
Liquid Temperature	23.5

C. SAR Surface and Volume



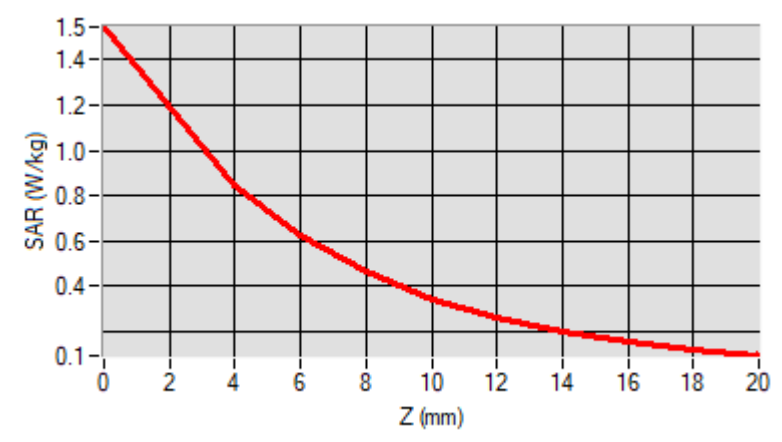
Maximum location: X=2.00, Y=7.00

D. SAR 1g & 10g

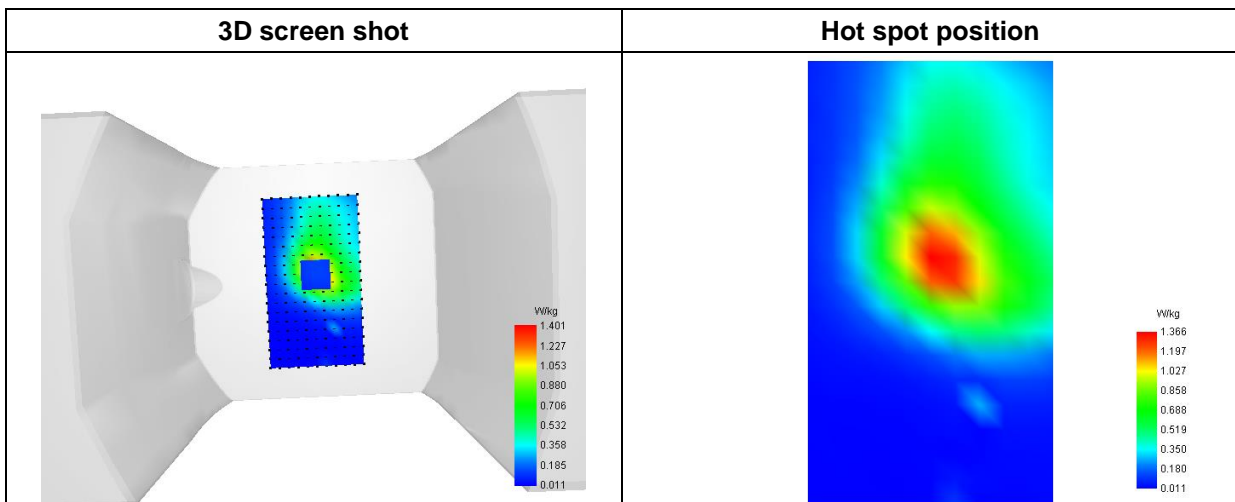
SAR 10g (W/Kg)	0.421753
SAR 1g (W/Kg)	0.808317

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	1.5447	0.8478	0.6251	0.4609	0.3441	0.2607	0.2004	0.1555	0.1208



F. 3D Image



MEASUREMENT 27/48

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-08
 Measurement duration: 12 minutes 3 seconds

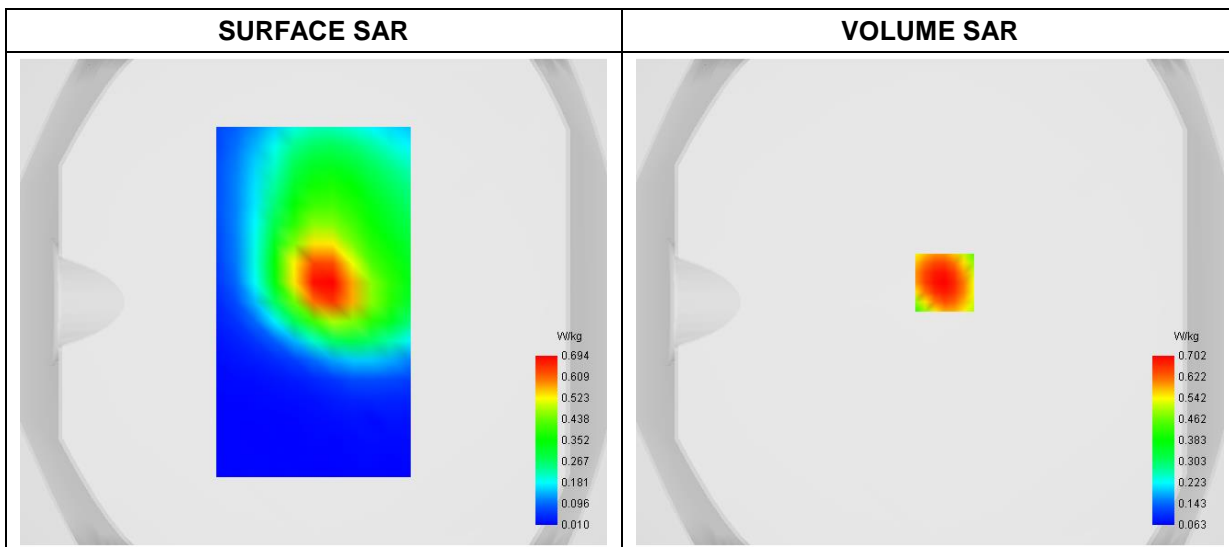
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
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)	39.611895
Conductivity (S/m)	1.381547
Power Variation (%)	1.960000
Ambient Temperature	23.5
Liquid Temperature	23.5

C. SAR Surface and Volume



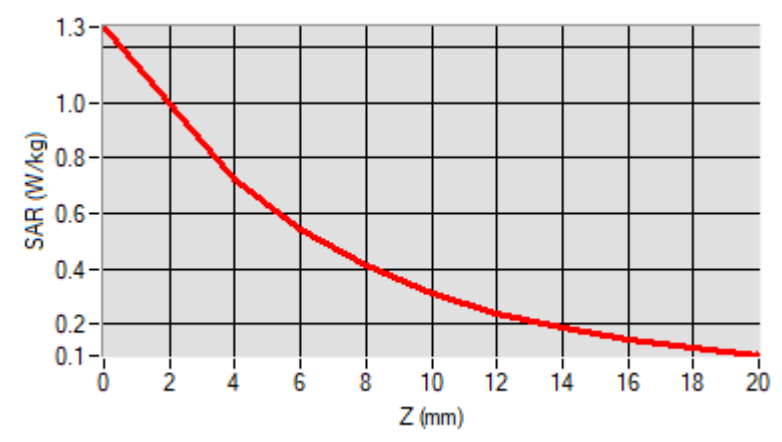
Maximum location: X=6.00, Y=8.00

D. SAR 1g & 10g

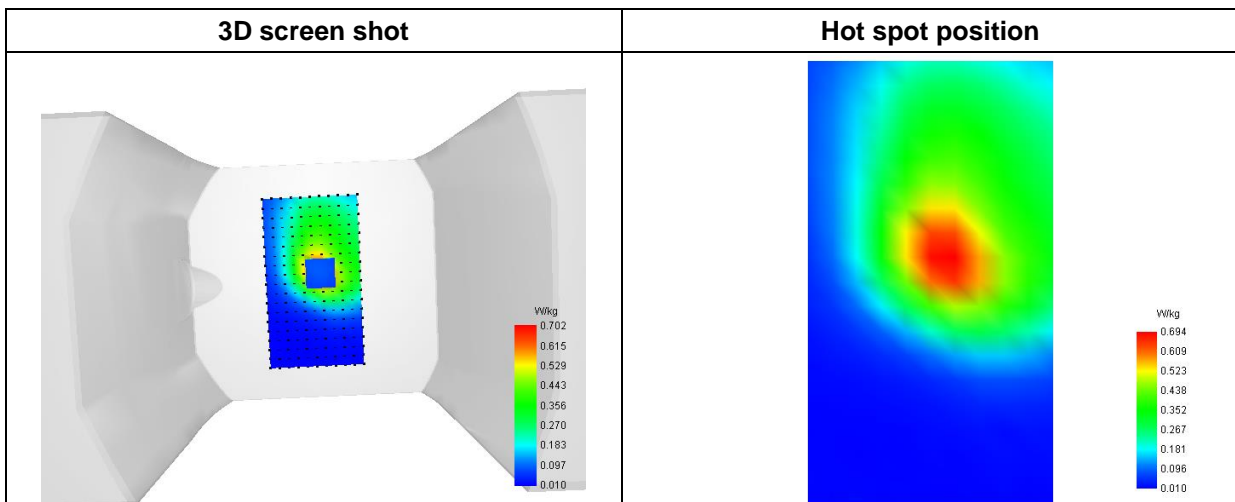
SAR 10g (W/Kg)	0.363393
SAR 1g (W/Kg)	0.687647

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	1.2753	0.7256	0.5455	0.4100	0.3112	0.2388	0.1849	0.1438	0.1113



F. 3D Image



MEASUREMENT 28/49

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-06
 Measurement duration: 12 minutes 3 seconds

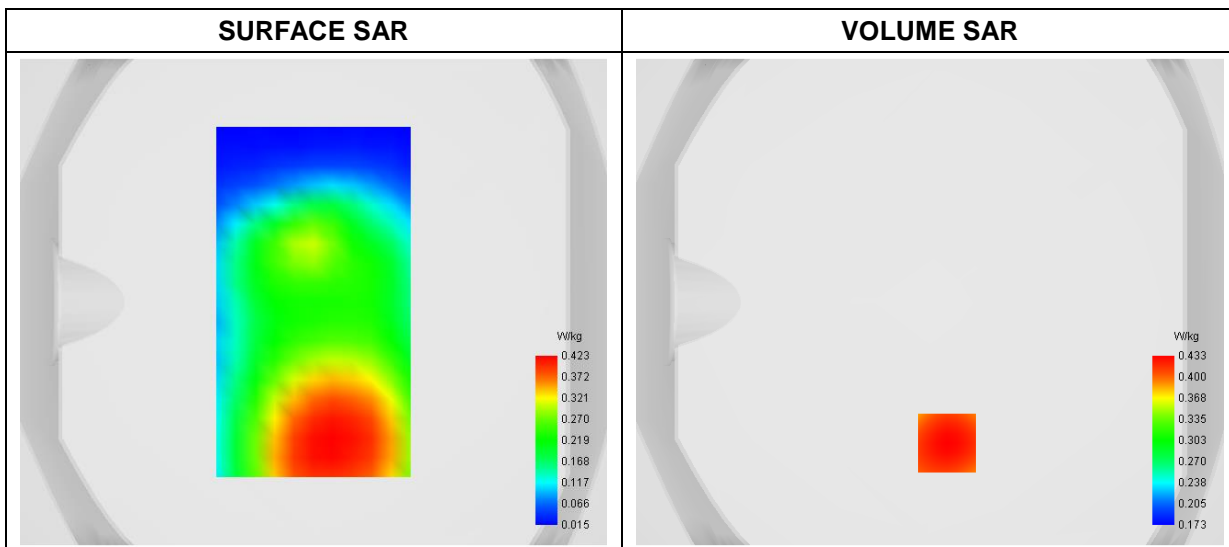
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
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)	42.064848
Conductivity (S/m)	0.884951
Power Variation (%)	0.610000
Ambient Temperature	23.2
Liquid Temperature	23.2

C. SAR Surface and Volume



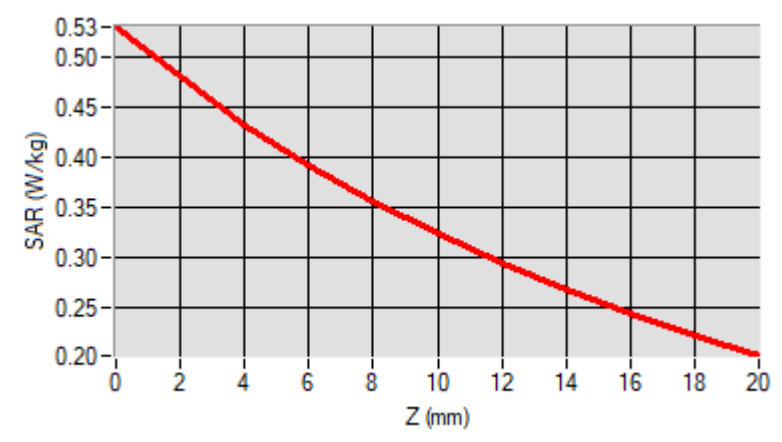
Maximum location: X=7.00, Y=-58.00

D. SAR 1g & 10g

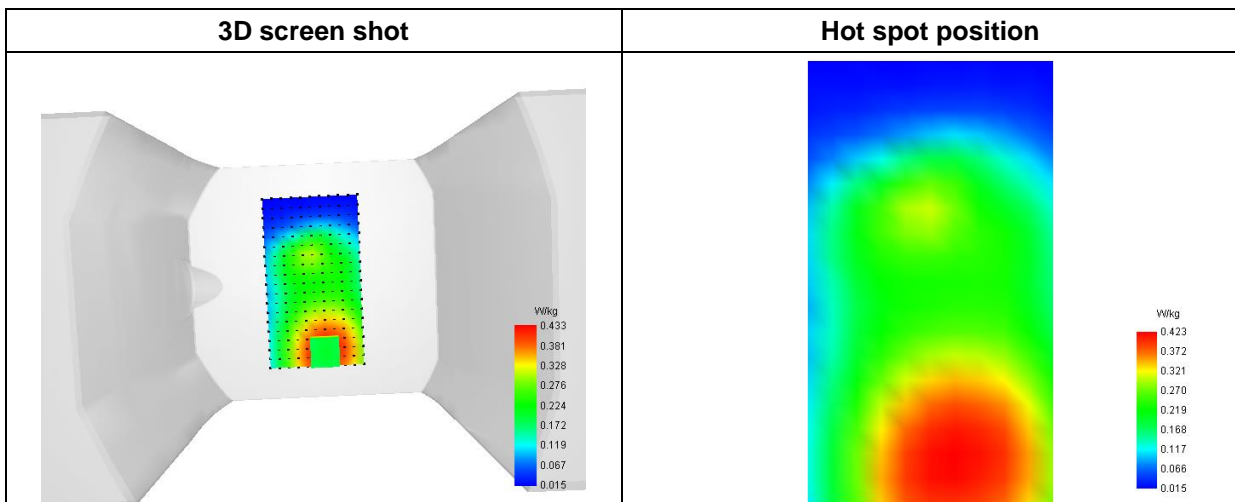
SAR 10g (W/Kg)	0.317870
SAR 1g (W/Kg)	0.419732

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.5303	0.4330	0.3924	0.3561	0.3239	0.2950	0.2689	0.2450	0.2228



F. 3D Image



MEASUREMENT 29/50

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-08
 Measurement duration: 12 minutes 3 seconds

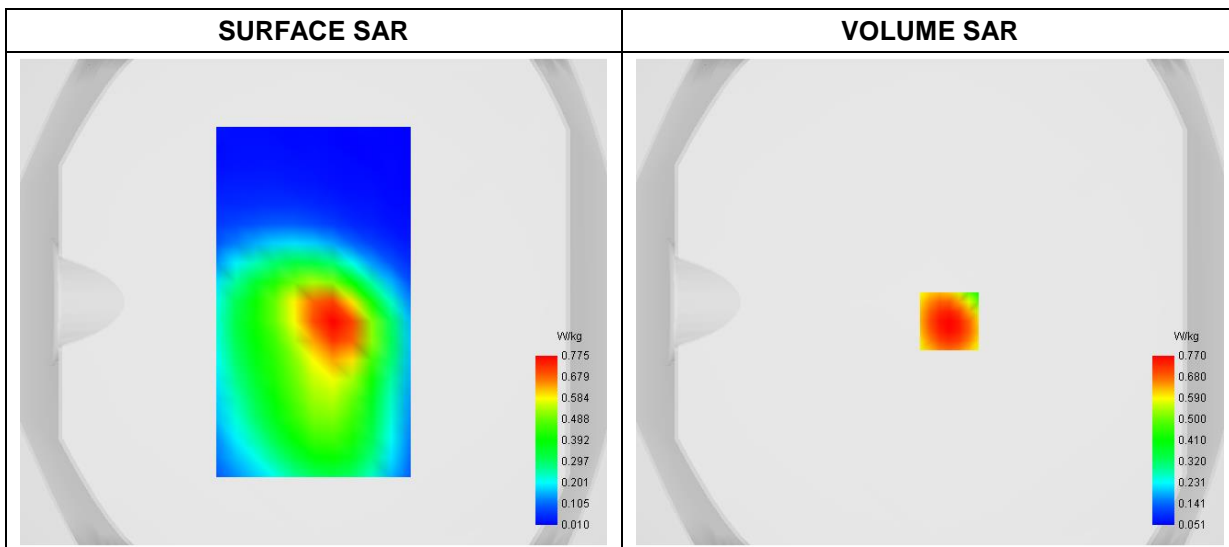
A. Experimental conditions

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

B. SAR Measurement Results

Frequency (MHz)	1900.000000
Relative Permittivity (real part)	39.584216
Conductivity (S/m)	1.381368
Power Variation (%)	-1.54000
Ambient Temperature	23.5
Liquid Temperature	23.5

C. SAR Surface and Volume



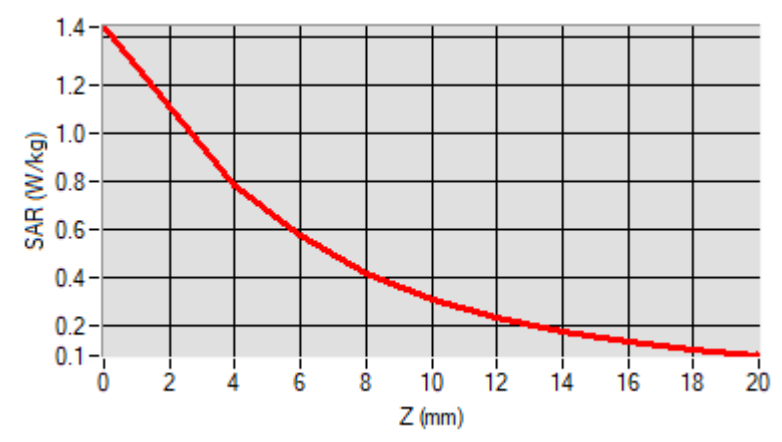
Maximum location: X=8.00, Y=-8.00

D. SAR 1g & 10g

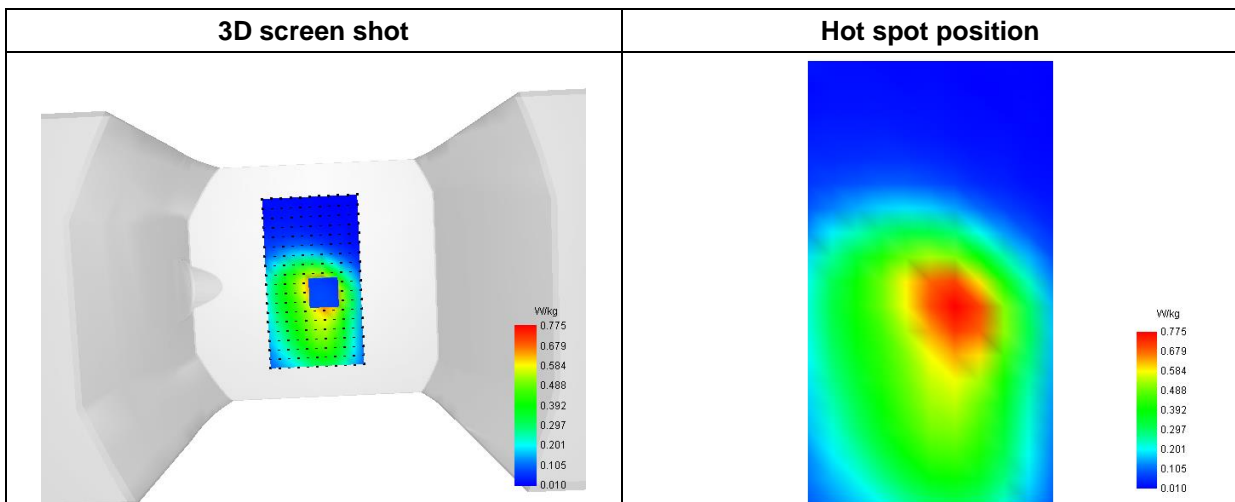
SAR 10g (W/Kg)	0.387874
SAR 1g (W/Kg)	0.744734

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	1.4425	0.7841	0.5742	0.4199	0.3105	0.2326	0.1763	0.1348	0.1028



F. 3D Image



MEASUREMENT 30/51

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-08
 Measurement duration: 12 minutes 3 seconds

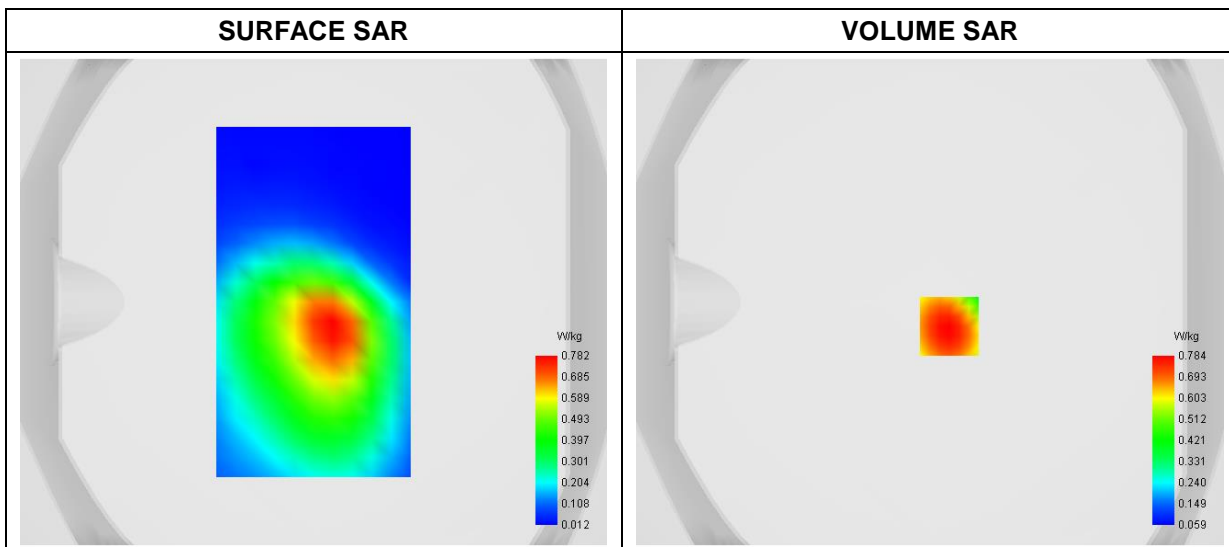
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Flat Plane
Device Position	Back
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)	39.624875
Conductivity (S/m)	1.382525
Power Variation (%)	1.370000
Ambient Temperature	23.5
Liquid Temperature	23.5

C. SAR Surface and Volume



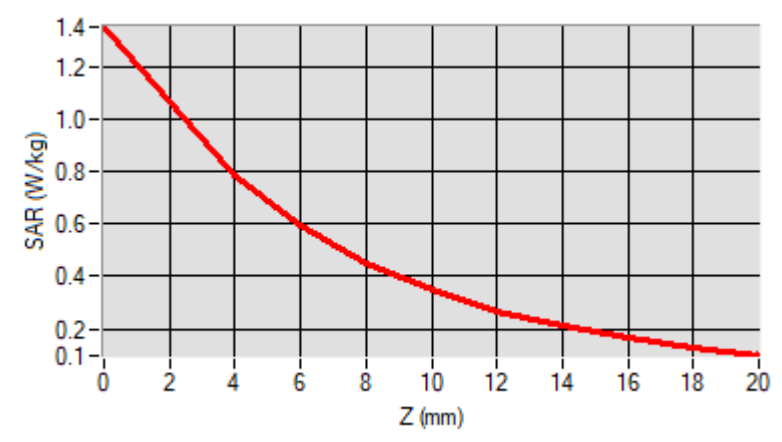
Maximum location: X=8.00, Y=-10.00

D. SAR 1g & 10g

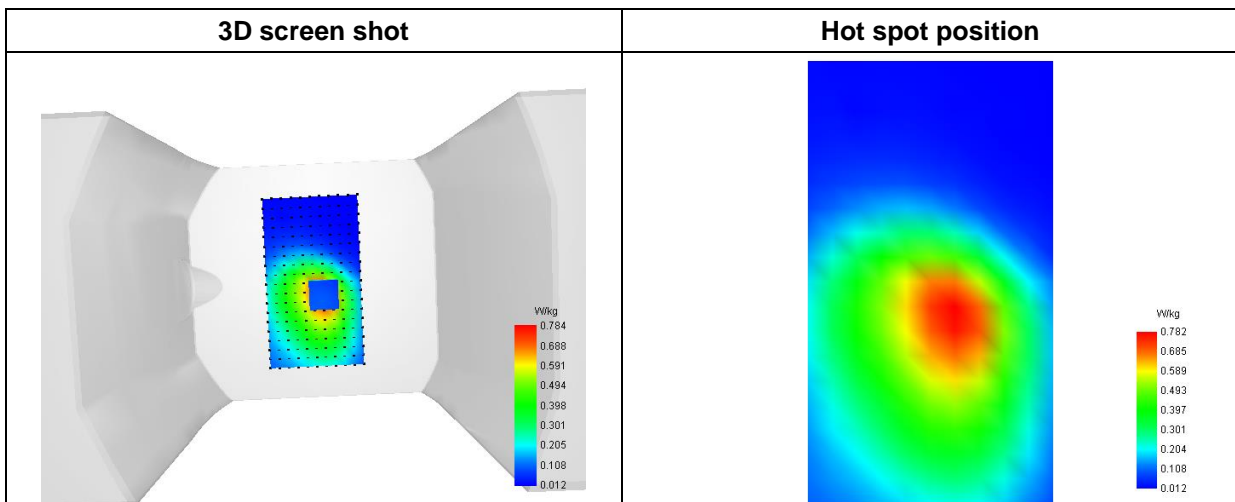
SAR 10g (W/Kg)	0.410365
SAR 1g (W/Kg)	0.744982

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	1.3534	0.7841	0.5954	0.4521	0.3464	0.2680	0.2089	0.1634	0.1271



F. 3D Image



MEASUREMENT 31/52

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-06
 Measurement duration: 12 minutes 3 seconds

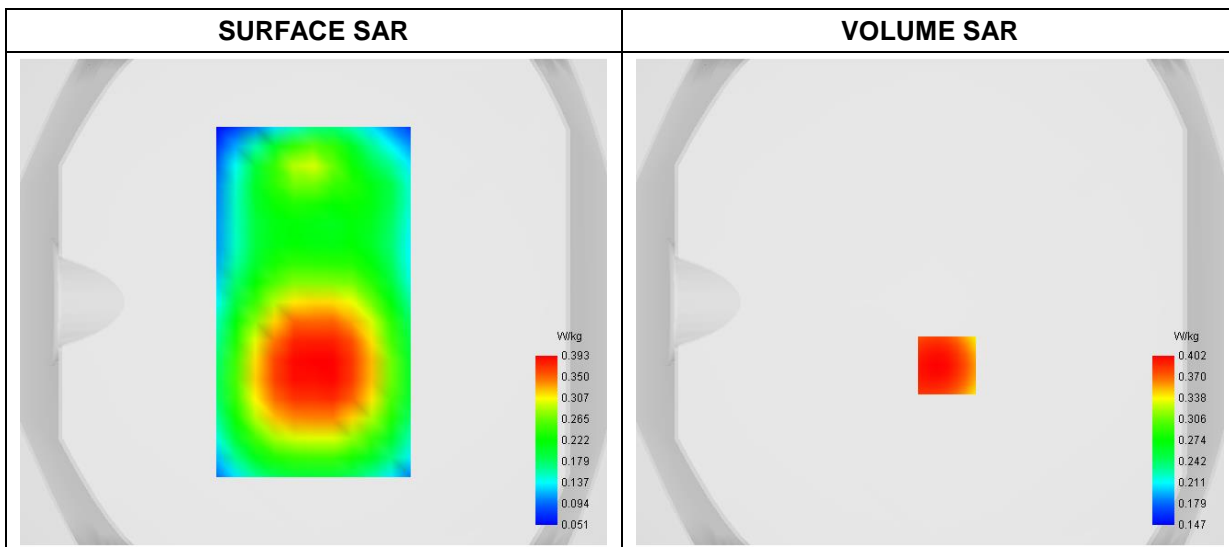
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
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)	42.061692
Conductivity (S/m)	0.881828
Power Variation (%)	-0.420000
Ambient Temperature	23.2
Liquid Temperature	23.2

C. SAR Surface and Volume



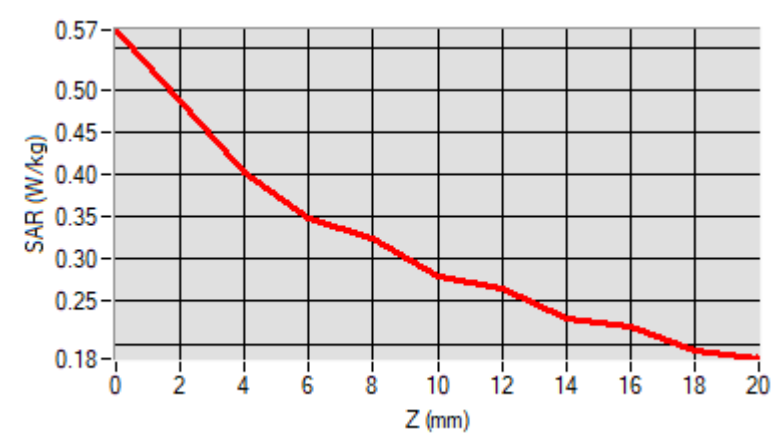
Maximum location: X=7.00, Y=-26.00

D. SAR 1g & 10g

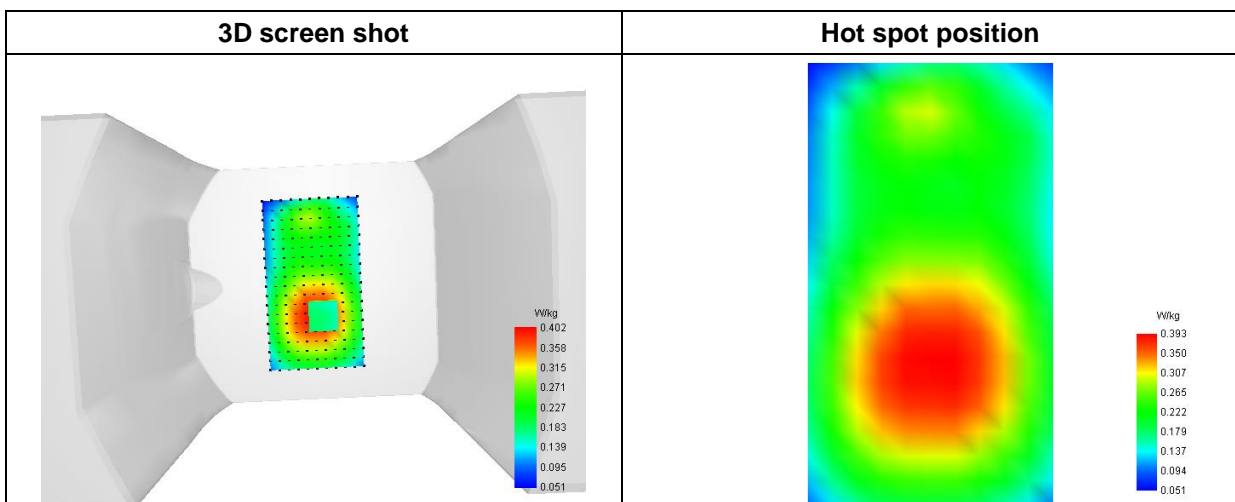
SAR 10g (W/Kg)	0.292051
SAR 1g (W/Kg)	0.391947

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.5702	0.4023	0.3473	0.3234	0.2799	0.2649	0.2300	0.2198	0.1907



F. 3D Image



MEASUREMENT 32/53

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-06
 Measurement duration: 12 minutes 3 seconds

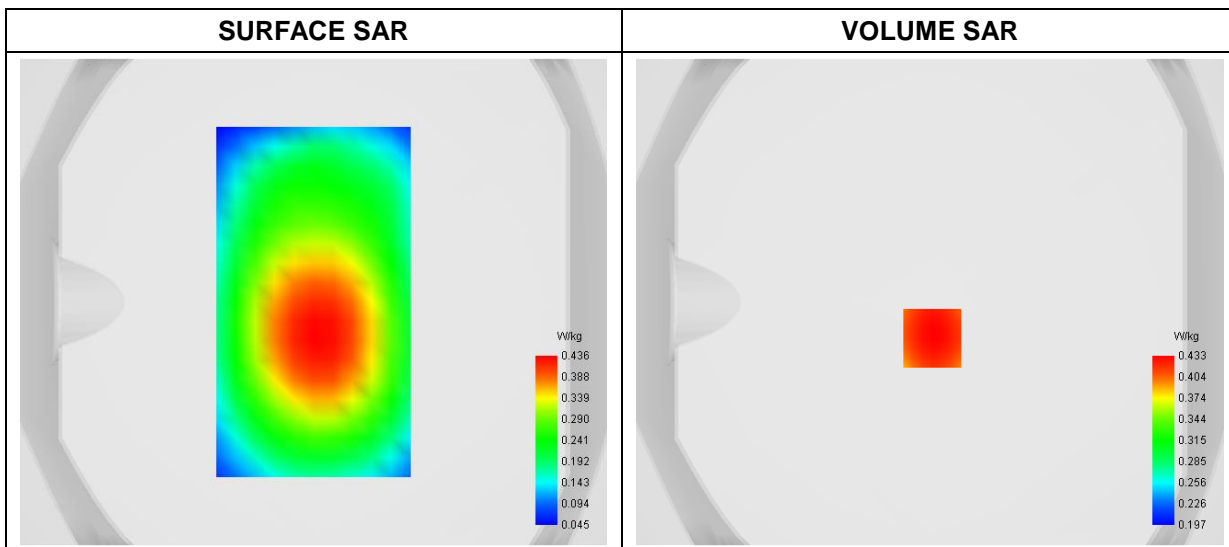
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 12
Channels	QPSK, 10MHz, 1RB, High
Signal	Duty Cycle 1:1

B. SAR Measurement Results

Frequency (MHz)	711.000000
Relative Permittivity (real part)	42.322941
Conductivity (S/m)	0.871023
Power Variation (%)	1.910000
Ambient Temperature	23.2
Liquid Temperature	23.2

C. SAR Surface and Volume



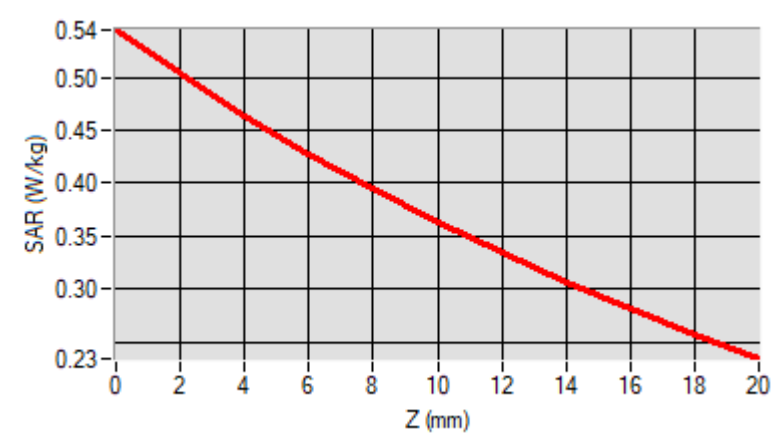
Maximum location: X=1.00, Y=-15.00

D. SAR 1g & 10g

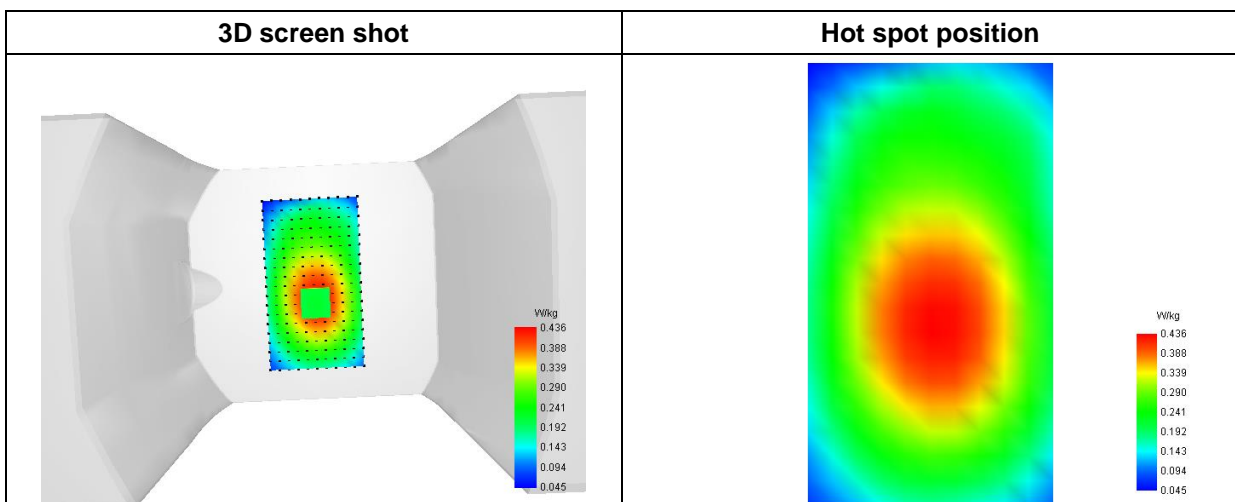
SAR 10g (W/Kg)	0.356380
SAR 1g (W/Kg)	0.458523

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.5447	0.4639	0.4279	0.3944	0.3633	0.3343	0.3071	0.2815	0.2574



F. 3D Image



MEASUREMENT 33/54

Type: Phone measurement (Complete)
 Date of measurement: 2023-03-06
 Measurement duration: 12 minutes 3 seconds

A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=4mm dy=4mm dz=2mm
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)	42.312457
Conductivity (S/m)	0.872459
Power Variation (%)	0.360000
Ambient Temperature	23.2
Liquid Temperature	23.2

C. SAR Surface and Volume

