

TEST REPORT

Reference No..... : WTX26X06169031W
FCC ID : 2BCOA- NETSS
Applicant : Shenzhen Feiyufei Digital Technology Co., Ltd
Address..... : 3A18, Building A2, Fuhai Technology Industrial Park, Fuyong Community,
Baoan, Shenzhen, China.
Manufacturer : Shenzhen Feiyufei Digital Technology Co., Ltd
Address..... : 3A18, Building A2, Fuhai Technology Industrial Park, Fuyong Community,
Baoan, Shenzhen, China.
Product Name : Tablet
Model No..... : NET S
FCC Part 2.1093
Standards : IEEE Std C95.1: 2019
IEEE C95.3: 2021
IEC/IEEE 62209-1528:2020
Date of Receipt sample : 2026-06-25
Date of Test..... : 2026-06-25 to 2026-09-04
Date of Issue : 2026-09-04
Test Report Form No. : WTX_Part2_1093W
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:

Waltek Testing Group (Shenzhen) Co., Ltd.

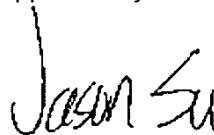
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Report version

Version No.	Date of issue	Description
Rev.00	2026-09-04	Original
/	/	/

1. General Information

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT:	
Product Name:	Tablet
Brand Name:	Krono
Model No.:	NET S
Adding Model(s):	/
Rated Voltage:	DC 5V/3A; DC 3.85V by Battery,
Battery Capacity	8000mAh
Power Adapter:	Input: AC 100-240V,50/60Hz,0.3A Output: DC 5V/3A
Firmware Version:	Android 16
Hardware Version:	MTK 8781V
Note: The test data is gathered from a production sample provided by the manufacturer.	

Technical Characteristics of EUT:	
2G	
Support Networks:	GSM, GPRS, EDGE
Support Band:	GSM850/PCS1900
Uplink Frequency:	GSM/GPRS/EDGE 850: 824~849MHz GSM/GPRS/EDGE 1900: 1850~1910MHz
Downlink Frequency:	GSM/GPRS/EDGE 850: 869~894MHz GSM/GPRS/EDGE 1900: 1930~1990MHz
Max RF Output Power:	GSM850: 32.59dBm, GSM1900: 31.48dBm EDGE850: 25.13dBm, EDGE1900: 22.97dBm
Type of Modulation:	GMSK, 8PSK
Type of Antenna:	Internal antenna
Antenna Gain:	GSM850: -2.46dBi; GSM1900: -0.02dBi
GPRS/EDGE Class:	Class 12
3G	
Support Networks:	WCDMA, HSDPA, HSUPA
Support Band:	WCDMA Band 2, WCDMA Band 5
Uplink Frequency:	WCDMA Band 2: 1850~1910MHz WCDMA Band 5: 824~849MHz
Downlink Frequency:	WCDMA Band 2: 1930~1990MHz WCDMA Band 5: 869~894MHz
RF Output Power:	WCDMA Band 2: 22.73dBm, WCDMA Band 5: 23.65dBm

Type of Modulation:	BPSK, QPSK, 16QAM
Antenna Type:	Internal antenna
Antenna Gain:	WCDMA Band 2: -0.02dBi, WCDMA Band 5: -2.46dBi
4G	
Support Networks:	FDD-LTE
Support Band:	FDD-LTE Band 2, 4, 7
Uplink Frequency:	FDD-LTE Band 2: Tx: 1850-1910MHz, FDD-LTE Band 4: Tx: 1710-1755MHz, FDD-LTE Band 7: Tx: 2500-2570MHz,
Downlink Frequency:	FDD-LTE Band 2: Rx: 1930-1990MHz, FDD-LTE Band 4: Rx: 2110-2155MHz, FDD-LTE Band 7: Rx: 2620-2690MHz,
RF Output Power:	FDD-LTE Band 2: 22.99dBm FDD-LTE Band 4: 22.98dBm FDD-LTE Band 7: 23.73dBm
Type of Modulation:	QPSK, 16QAM
Antenna Type:	Internal antenna
Antenna Gain:	FDD-LTE Band 2: -0.02dBi FDD-LTE Band 4: -2.46dBi FDD-LTE Band 7: 0.27dBi
WIFI(2.4GHz)	
Support Standards:	802.11b, 802.11g, 802.11n
Frequency Range:	2412-2462MHz for 11b/g/n-HT20 2422-2452MHz for 11n-HT40
RF Output Power:	14.63dBm (Conducted)
Type of Modulation:	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;
Quantity of Channels:	11 for 802.11b/g/n(HT20); 7 for 802.11n-HT40
Channel Separation:	5MHz
Antenna Type:	Internal antenna
Antenna Gain:	2.97dBi
Bluetooth	
Bluetooth Version:	Bluetooth V5.0
Frequency Range:	2402-2480MHz
RF Output Power:	2.26dBm (Conducted)
Data Rate:	1Mbps, 2Mbps, 3Mbps
Modulation:	GFSK, $\pi/4$ DQPSK, 8DPSK
Quantity of Channels:	79/40
Channel Separation:	1MHz/2MHz
Antenna Type:	Internal antenna
Antenna Gain:	2.97dBi
<i>Note: The Antenna Gain is provided by the customer and can affect the validity of results.</i>	

1.2 Test Standards

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

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

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

1.3 Test Methodology

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

1.4 Test Facility

Address of the test laboratory

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

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

FCC – Registration No.: 125990

Waltek Testing Group (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. The Designation Number is CN5010. Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A

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

2. Summary of Test Results

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

Frequency Band	Body (0mm Gap)	SAR _{1g} Limit (W/kg)
	Maximum SAR _{1g} (W/kg)	
GSM	0.771	1.6
WCDMA	0.702	1.6
LTE	0.670	1.6
WLAN 2.4GHz	0.246	1.6
Simultaneous Transmission	0.916	1.6

The device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC 47 CFR Part 2.1093 and IEEE Std C95.1: 2019 and had been tested in accordance with the measurement methods and procedure specified in KDB 865664 D01 v01r04 and KDB 865664 D02 v01r02.

3. Specific Absorption Rate (SAR)

3.1 Introduction

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

3.2 SAR Definition

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

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

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

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

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

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

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

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

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

4. SAR Measurement System

4.1 The Measurement System

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

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

The following figure shows the system.

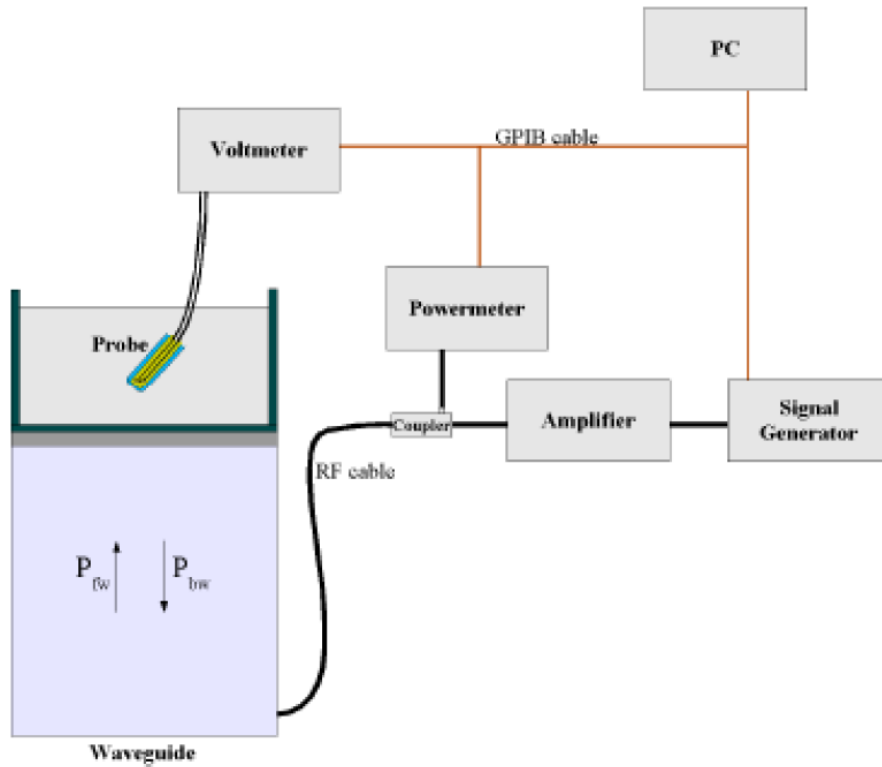


The EUT under test operating at the maximum power level is placed in the phone holder, under the phantom, which is filled with head simulating liquid. The E-Field probe measures the electric field inside the phantom. The OpenSAR software computes the results to give a SAR value in a 1g or 10g mass.

4.2 Probe

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

Probe calibration is realized, in compliance with IEC/IEEE 62209-1528:2020 STD, with CALISAR, Antenna proprietary calibration system. The calibration is performed with the IEC/IEEE 62209-1528:2020 annexes technique using reference guide at the five frequencies.



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

Where :

P_{fw} = Forward Power

P_{bw} = Backward Power

a and b =Waveguide dimensions

δ = Skin depth

Keithley configuration:

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

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

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

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

where DCP is the diode compression point in mV.

4.3 Probe Calibration Process

Dosimetric Assessment Procedure

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

Free Space Assessment Procedure

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

Temperature Assessment Procedure

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

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

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

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

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

Where:

σ = simulated tissue conductivity,

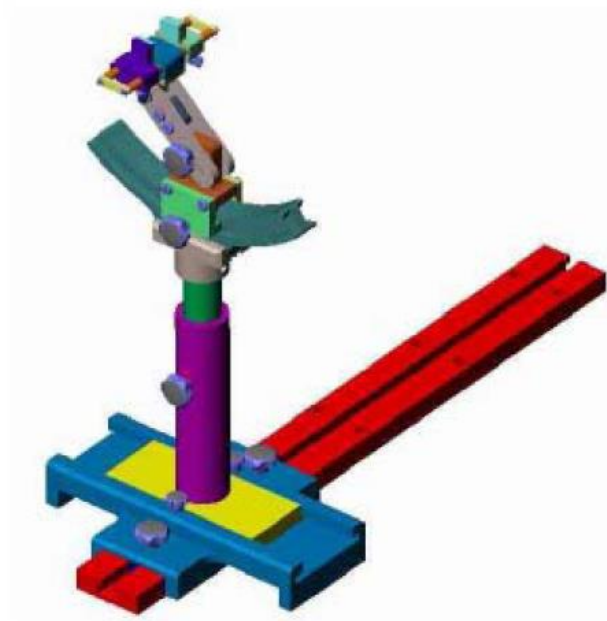
ρ = Tissue density (1.25 g/cm³ for brain tissue)

4.4 Phantom

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. It enables the dosimetric evaluation of left and right phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.

4.5 Device Holder

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



System Material	Permittivity	Loss Tangent
Delrin	3.7	0.005

4.6 Test Equipment List

Fixed asset Number	Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
WTXE1105A1002	E-Field Probe	MVG	SSE2	0725-EPGO-446	2026-03-03	2027-03-02
WTXE1053A1001-002	835MHz Dipole	MVG	SID835	SN 47/12 DIP 0G835-204	2025-10-22	2028-10-21
WTXE1053A1001-004	1800MHz Dipole	MVG	SID1800	SN 47/12 DIP 1G800-206	2025-10-22	2028-10-21
WTXE1053A1001-005	1900MHz Dipole	MVG	SID1900	SN 47/12 DIP 1G900-207	2025-12-31	2028-12-30
WTXE1053A1001-007	2450MHz Dipole	MVG	SID2450	SN 13/15 DIP 2G450-364	2025-12-30	2028-12-29
WTXE1053A1001-010	2600MHz Dipole	MVG	SID2600	SN 13/15 DIP 2G2600-365	2025-12-31	2028-12-30
WTXE1053A1001-011	Dielectric Probe	SATIMO	SCLMP	SN 47/12 OCPG49	2026-02-05	2027-02-04
WTXE1075A1003	Power meter	Keithley	3500	1232959	2026-02-05	2027-02-04
WTXE1075A1002	Power meter	Keithley	3500	1162591	2026-02-05	2027-02-04
WTXE1104A1003	EXG Analog Signal Generator	KEYSIGHT	N5173B	MY61252892	2026-02-06	2027-02-05
WTXE1022A1002	GSM Tester	Rohde & Schwarz	CMU200	114403	2026-02-06	2027-02-05
WTXE1105A1001	Communications Tester	Rohde & Schwarz	CMW500	170903	2026-02-05	2027-02-04
WTXW1105A1137	Vector Network Analzers	Rohde & Schwarz	ZVB 8	101525	2026-02-06	2027-02-05
WTXE1076A1001	Power Divider	HP	11636B	JC-2017-10-002	2026-02-05	2027-02-04
WTXW1105A1135	RF Attenuator	Pasternack	N-JK	/	2026-02-05	2027-02-04
WTXW1105A1136	RF Attenuator	Pasternack	N-JK	/	2026-02-05	2027-02-04
WTXE1103A1003	Attenuator	Pasternack	PE4007-4	/	2026-02-05	2027-02-04
WTXE1091A1001	UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY57450525	2026-02-06	2027-02-05

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						
750	41.1	1.4	57.0	0.2	0.3	0
835	40.3	1.38	57.9	0.24	0.18	0
900	40.3	1.38	57.9	0.24	0.18	0
1800-2000	55.24	0.31	0	0	0	44.45
2300	55.40	0.08	0	0	0	44.52
2450	55.00	0	0	0	0	45.00
2600	55.242	0.306	0	0	0	44.452
3500	71.6	1.3	10.9	0.7	0.7	14.8
3700	71.7	1.3	10.8	0.6	0.8	14.8

Frequency (MHz)	Water (%)	Hexyl Carbitol (%)	Triton X-100 (%)
Head			
5000-6000	65.52	17.24	17.24

5.2 Tissue Dielectric Parameters for Head and Body Phantoms

According to FCC KDBs, IEC/IEEE 62209-1528:2020 standards state that the system validation measurements must be performed using a reference dipole meeting the fore mentioned return loss and mechanical dimension requirements. The validation measurement must be performed against a liquid filled flat phantom, with the phantom constructed as outlined in the fore mentioned standards. Per the standards, the dipole shall be positioned below the bottom of the phantom, with the dipole length centered and parallel to the longest dimension of the flat phantom, with the top surface of the dipole at the described distance from the bottom surface of the phantom.

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

5.3 Tissue Calibration Result

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

Calibration Result for Dielectric Parameters of Tissue Simulating Liquid

Head Tissue Simulating Liquid									
Freq. MHz	Temp. (°C)	Conductivity			Permittivity			Limit (%)	Date
		Reading (σ)	Target (σ)	Delta (%)	Reading (ϵ_r)	Target (ϵ_r)	Delta (%)		
835	22.8	0.92	0.90	2.22	40.87	41.5	-1.52	±5	2026-07-04
1800	22.6	1.43	1.40	2.14	40.74	40.0	1.85	±5	2026-08-15
1900	22.6	1.42	1.40	1.43	41.16	40.0	2.90	±5	2026-08-12
2450	22.5	1.83	1.80	1.67	40.12	39.2	2.35	±5	2026-08-14
2600	22.5	2.01	1.96	2.55	40.78	39.0	4.56	±5	2026-08-13

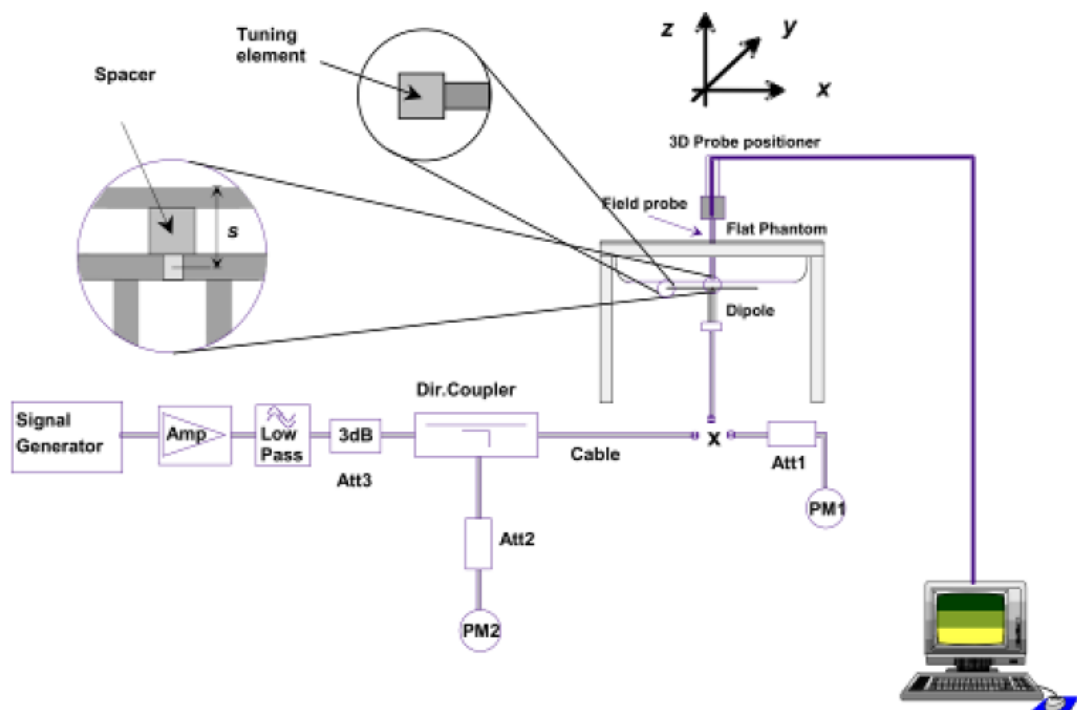
6. SAR Measurement Evaluation

6.1 Purpose of System Performance Check

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

6.2 System Setup

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



System Verification Setup Block Diagram



Setup Photo of Dipole Antenna

The output power on 750MHz/835MHz/900MHz/1800MHz/1900MHz/2300MHz/2450MHz/2600MHz/5GHz dipole port must be calibrated to 20dBm (100mW) before dipole is connected.

6.3 Validation Results

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

Frequency	Power	Targeted SAR _{1g}	Measured SAR _{1g}	Normalized SAR _{1g}	Tolerance	Date
MHz	(mw)	(W/kg)	(W/kg)	(W/kg)	(%)	
Head						
835	100	9.49	0.985	9.850	3.79	2026-07-04
1800	100	38.50	3.753	37.530	-2.52	2026-08-15
1900	100	39.60	4.105	41.050	3.66	2026-08-12
2450	100	52.20	4.958	49.580	-5.02	2026-08-14
2600	100	52.20	5.791	57.910	5.87	2026-08-13

Remark: Referring to IEC/IEEE 62209-1528:2020, the system check shall be performed at a test frequency that is within ±10% or ±100 MHz of the compliance test mid-band frequency, so the 1750 MHz system verification is made of 1800MHz Dipole.

Targeted and Measurement SAR

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

7. EUT Testing Position

7.1 Body Position

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

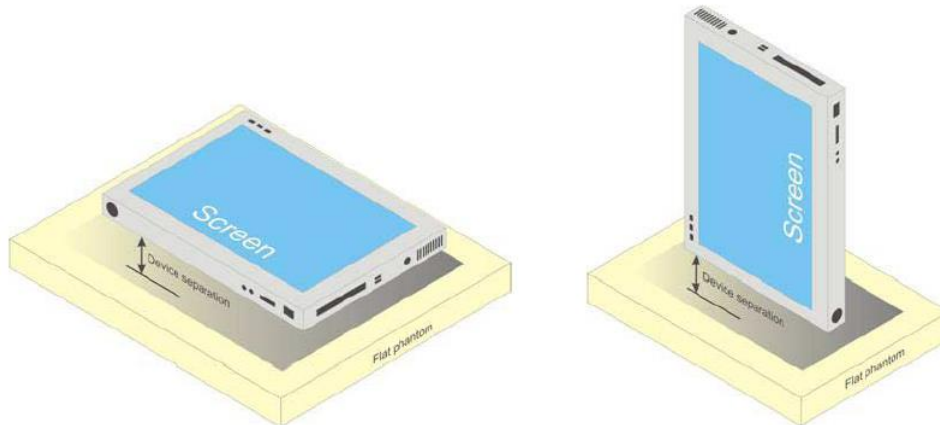
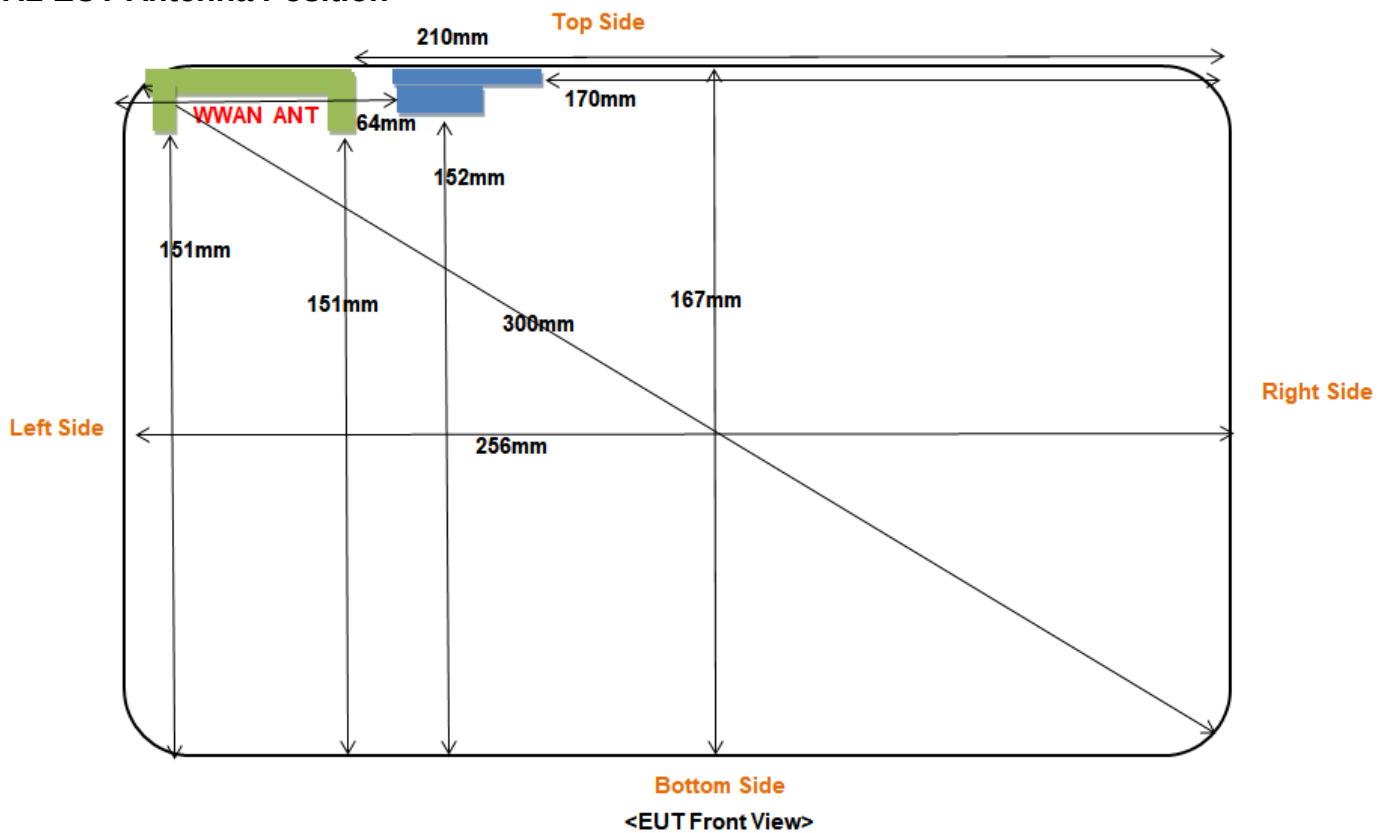


Illustration for Body Position

7.2 EUT Antenna Position



Block Diagram for EUT Antenna Position

Distance of EUT antenna-to-edge/surface(mm)						
Antennas	Back Edge	Front Edge	Left Edge	Right Edge	Top Edge	Bottom Edge
WWAN	<25	<25	<25	210	<25	151
WLAN	<25	<25	64	170	<25	152

7.3 EUT Testing Position

Body SAR tests, Test distance: 0mm						
Antennas	Front Side	Back Side	Left Side	Right Side	Top Side	Bottom Side
WWAN	/	Yes	Yes	No	Yes	No
WLAN	/	Yes	No	No	Yes	No

Remark:

- Referring to KDB 447498 D01 v06, KDB 616217 D04 v01r02, and KDB 248227 D01 v02r02, this device is overall diagonal dimension (>20cm) tablet, tested in direct contact (no gap) with flat phantom.
- Referring to KDB 616217 D04 v01r02, Exposures from antennas through the front (top) surface of the display section of a full-size tablet, away from the edges, are generally limited to the user's hands. Exposures to hands for typical consumer transmitters used in tablets are not expected to exceed the extremity SAR limit; therefore, SAR evaluation for the front surface of tablet display screens are generally not necessary.
- 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	31.73	32.56	31.92	33.0	30.48	31.48	31.29	32.0
GPRS (1 slot)	31.76	32.59	31.94	33.0	30.54	31.02	30.78	31.5
GPRS (2 slots)	30.67	31.23	30.75	31.5	28.75	29.13	29.08	29.5
GPRS (3 slots)	28.53	28.93	28.48	29.0	26.08	26.54	26.52	27.0
GPRS (4 slots)	27.77	28.18	27.65	28.5	25.06	25.51	25.50	26.0
EDGE (1 slot)	25.13	24.02	24.31	25.5	22.94	22.60	22.97	23.0
EDGE (2 slots)	24.41	23.78	22.97	24.5	21.73	22.00	21.61	22.5
EDGE (3 slots)	21.97	21.20	20.95	22.0	19.01	20.41	19.73	21.0
EDGE (4 slots)	20.87	20.53	19.66	21.0	18.54	18.68	18.60	19.0

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	22.73	23.56	22.92	24.0	21.48	22.48	22.29	23.0
GPRS (1 slot)	22.76	23.59	22.94	24.0	21.54	22.02	21.78	22.5
GPRS (2 slots)	24.67	25.23	24.75	25.5	22.75	23.13	23.08	23.5
GPRS (3 slots)	24.28	24.68	24.23	25.0	21.83	22.29	22.27	22.5
GPRS (4 slots)	24.77	25.18	24.65	25.5	22.06	22.51	22.50	23.0
EDGE (1 slot)	16.13	15.02	15.31	16.5	13.94	13.60	13.97	14.0
EDGE (2 slots)	18.41	17.78	16.97	18.5	15.73	16.00	15.61	16.5
EDGE (3 slots)	17.72	16.95	16.70	18.0	14.76	16.16	15.48	16.8
EDGE (4 slots)	17.87	17.53	16.66	18.0	15.54	15.68	15.60	16.0

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 Body SAR testing, GPRS should be evaluated; therefore the EUT was set in GPRS (2TX slots) for GSM850 and GPRS (2TX slots) for GSM1900 due to its highest source-based time-average power.

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

WCDMA - Average Power (dBm)								
Band	WCDMA Band II				WCDMA Band V			
Channel	9262	9400	9538	Tune-up power (dBm)	4132	4183	4233	Tune-up power (dBm)
Frequency (MHz)	1852.4	1880.0	1907.6		826.4	836.6	846.6	
RMC 12.2k	22.34	22.73	22.70	23.0	23.55	23.63	23.65	24.0
HSDPA Subtest-1	21.42	21.82	21.78	22.0	22.60	22.69	22.71	23.0
HSDPA Subtest-2	21.02	21.38	21.42	22.0	22.08	22.24	22.36	23.0
HSDPA Subtest-3	19.74	20.06	20.21	22.0	21.08	21.22	21.30	23.0
HSDPA Subtest-4	19.63	20.01	20.40	22.0	20.98	21.26	21.34	23.0
HSUPA Subtest-1	21.59	21.60	21.58	22.0	21.47	22.50	22.48	23.0
HSUPA Subtest-2	20.31	20.70	20.61	22.0	20.53	21.46	21.61	23.0
HSUPA Subtest-3	19.53	19.47	19.39	22.0	19.04	20.62	20.43	23.0
HSUPA Subtest-4	18.38	18.80	18.73	22.0	18.59	19.64	19.68	23.0
HSUPA Subtest-5	17.90	17.18	17.05	22.0	17.10	18.97	18.89	23.0

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

LTE Band 2

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
NVNT	Band2	1.4	18607	1	#0	QPSK	20.20	-0.02	20.18	37	PASS
NVNT	Band2	1.4	18607	1	#Mid	QPSK	20.30	-0.02	20.28	37	PASS
NVNT	Band2	1.4	18607	1	#Max	QPSK	20.22	-0.02	20.20	37	PASS
NVNT	Band2	1.4	18607	3	#0	QPSK	22.99	-0.02	22.97	37	PASS
NVNT	Band2	1.4	18607	3	#Mid	QPSK	20.03	-0.02	20.01	37	PASS
NVNT	Band2	1.4	18607	3	#Max	QPSK	20.01	-0.02	19.99	37	PASS
NVNT	Band2	1.4	18607	6	#0	QPSK	20.25	-0.02	20.23	37	PASS
NVNT	Band2	1.4	18607	1	#0	16QAM	21.96	-0.02	21.94	37	PASS
NVNT	Band2	1.4	18607	1	#Mid	16QAM	20.01	-0.02	19.99	37	PASS
NVNT	Band2	1.4	18607	1	#Max	16QAM	21.96	-0.02	21.94	37	PASS
NVNT	Band2	1.4	18607	3	#0	16QAM	20.07	-0.02	20.05	37	PASS
NVNT	Band2	1.4	18607	3	#Mid	16QAM	20.11	-0.02	20.09	37	PASS
NVNT	Band2	1.4	18607	3	#Max	16QAM	20.05	-0.02	20.03	37	PASS
NVNT	Band2	1.4	18607	6	#0	16QAM	21.27	-0.02	21.25	37	PASS
NVNT	Band2	1.4	18900	1	#0	QPSK	20.34	-0.02	20.32	37	PASS
NVNT	Band2	1.4	18900	1	#Mid	QPSK	20.42	-0.02	20.40	37	PASS
NVNT	Band2	1.4	18900	1	#Max	QPSK	20.35	-0.02	20.33	37	PASS
NVNT	Band2	1.4	18900	3	#0	QPSK	20.45	-0.02	20.43	37	PASS
NVNT	Band2	1.4	18900	3	#Mid	QPSK	20.47	-0.02	20.45	37	PASS
NVNT	Band2	1.4	18900	3	#Max	QPSK	20.41	-0.02	20.39	37	PASS
NVNT	Band2	1.4	18900	6	#0	QPSK	20.49	-0.02	20.47	37	PASS
NVNT	Band2	1.4	18900	1	#0	16QAM	20.41	-0.02	20.39	37	PASS
NVNT	Band2	1.4	18900	1	#Mid	16QAM	20.47	-0.02	20.45	37	PASS
NVNT	Band2	1.4	18900	1	#Max	16QAM	20.41	-0.02	20.39	37	PASS
NVNT	Band2	1.4	18900	3	#0	16QAM	20.56	-0.02	20.54	37	PASS
NVNT	Band2	1.4	18900	3	#Mid	16QAM	20.59	-0.02	20.57	37	PASS
NVNT	Band2	1.4	18900	3	#Max	16QAM	20.55	-0.02	20.53	37	PASS
NVNT	Band2	1.4	18900	6	#0	16QAM	21.65	-0.02	21.63	37	PASS
NVNT	Band2	1.4	19193	1	#0	QPSK	20.47	-0.02	20.45	37	PASS
NVNT	Band2	1.4	19193	1	#Mid	QPSK	20.58	-0.02	20.56	37	PASS
NVNT	Band2	1.4	19193	1	#Max	QPSK	20.45	-0.02	20.43	37	PASS
NVNT	Band2	1.4	19193	3	#0	QPSK	20.44	-0.02	20.42	37	PASS
NVNT	Band2	1.4	19193	3	#Mid	QPSK	20.45	-0.02	20.43	37	PASS
NVNT	Band2	1.4	19193	3	#Max	QPSK	20.42	-0.02	20.40	37	PASS
NVNT	Band2	1.4	19193	6	#0	QPSK	20.51	-0.02	20.49	37	PASS
NVNT	Band2	1.4	19193	1	#0	16QAM	20.12	-0.02	20.10	37	PASS
NVNT	Band2	1.4	19193	1	#Mid	16QAM	20.21	-0.02	20.19	37	PASS
NVNT	Band2	1.4	19193	1	#Max	16QAM	20.11	-0.02	20.09	37	PASS

NVNT	Band2	1.4	19193	3	#0	16QAM	20.51	-0.02	20.49	37	PASS
NVNT	Band2	1.4	19193	3	#Mid	16QAM	20.52	-0.02	20.50	37	PASS
NVNT	Band2	1.4	19193	3	#Max	16QAM	20.53	-0.02	20.51	37	PASS
NVNT	Band2	1.4	19193	6	#0	16QAM	21.69	-0.02	21.67	37	PASS
NVNT	Band2	3	18615	1	#0	QPSK	20.96	-0.02	20.94	37	PASS
NVNT	Band2	3	18615	1	#Mid	QPSK	20.01	-0.02	19.99	37	PASS
NVNT	Band2	3	18615	1	#Max	QPSK	20.91	-0.02	20.89	37	PASS
NVNT	Band2	3	18615	8	#0	QPSK	20.10	-0.02	20.08	37	PASS
NVNT	Band2	3	18615	8	#Mid	QPSK	20.15	-0.02	20.13	37	PASS
NVNT	Band2	3	18615	8	#Max	QPSK	20.09	-0.02	20.07	37	PASS
NVNT	Band2	3	18615	15	#0	QPSK	20.04	-0.02	20.02	37	PASS
NVNT	Band2	3	18615	1	#0	16QAM	20.08	-0.02	20.06	37	PASS
NVNT	Band2	3	18615	1	#Mid	16QAM	20.19	-0.02	20.17	37	PASS
NVNT	Band2	3	18615	1	#Max	16QAM	20.12	-0.02	20.10	37	PASS
NVNT	Band2	3	18615	8	#0	16QAM	20.05	-0.02	20.03	37	PASS
NVNT	Band2	3	18615	8	#Mid	16QAM	20.11	-0.02	20.09	37	PASS
NVNT	Band2	3	18615	8	#Max	16QAM	20.03	-0.02	20.01	37	PASS
NVNT	Band2	3	18615	15	#0	16QAM	20.05	-0.02	20.03	37	PASS
NVNT	Band2	3	18900	1	#0	QPSK	20.24	-0.02	20.22	37	PASS
NVNT	Band2	3	18900	1	#Mid	QPSK	20.29	-0.02	20.27	37	PASS
NVNT	Band2	3	18900	1	#Max	QPSK	20.17	-0.02	20.15	37	PASS
NVNT	Band2	3	18900	8	#0	QPSK	20.40	-0.02	20.38	37	PASS
NVNT	Band2	3	18900	8	#Mid	QPSK	20.49	-0.02	20.47	37	PASS
NVNT	Band2	3	18900	8	#Max	QPSK	20.43	-0.02	20.41	37	PASS
NVNT	Band2	3	18900	15	#0	QPSK	20.37	-0.02	20.35	37	PASS
NVNT	Band2	3	18900	1	#0	16QAM	20.33	-0.02	20.31	37	PASS
NVNT	Band2	3	18900	1	#Mid	16QAM	20.38	-0.02	20.36	37	PASS
NVNT	Band2	3	18900	1	#Max	16QAM	20.31	-0.02	20.29	37	PASS
NVNT	Band2	3	18900	8	#0	16QAM	21.40	-0.02	21.38	37	PASS
NVNT	Band2	3	18900	8	#Mid	16QAM	21.46	-0.02	21.44	37	PASS
NVNT	Band2	3	18900	8	#Max	16QAM	21.39	-0.02	21.37	37	PASS
NVNT	Band2	3	18900	15	#0	16QAM	21.37	-0.02	21.35	37	PASS
NVNT	Band2	3	19185	1	#0	QPSK	20.32	-0.02	20.30	37	PASS
NVNT	Band2	3	19185	1	#Mid	QPSK	20.43	-0.02	20.41	37	PASS
NVNT	Band2	3	19185	1	#Max	QPSK	20.34	-0.02	20.32	37	PASS
NVNT	Band2	3	19185	8	#0	QPSK	20.45	-0.02	20.43	37	PASS
NVNT	Band2	3	19185	8	#Mid	QPSK	22.51	-0.02	22.49	37	PASS
NVNT	Band2	3	19185	8	#Max	QPSK	22.41	-0.02	22.39	37	PASS
NVNT	Band2	3	19185	15	#0	QPSK	22.45	-0.02	22.43	37	PASS
NVNT	Band2	3	19185	1	#0	16QAM	21.98	-0.02	21.96	37	PASS
NVNT	Band2	3	19185	1	#Mid	16QAM	22.09	-0.02	22.07	37	PASS
NVNT	Band2	3	19185	1	#Max	16QAM	22.03	-0.02	22.01	37	PASS
NVNT	Band2	3	19185	8	#0	16QAM	21.42	-0.02	21.40	37	PASS

NVNT	Band2	3	19185	8	#Mid	16QAM	21.50	-0.02	21.48	37	PASS
NVNT	Band2	3	19185	8	#Max	16QAM	21.43	-0.02	21.41	37	PASS
NVNT	Band2	3	19185	15	#0	16QAM	21.51	-0.02	21.49	37	PASS
NVNT	Band2	5	18625	1	#0	QPSK	20.10	-0.02	20.08	37	PASS
NVNT	Band2	5	18625	1	#Mid	QPSK	20.18	-0.02	20.16	37	PASS
NVNT	Band2	5	18625	1	#Max	QPSK	20.08	-0.02	20.06	37	PASS
NVNT	Band2	5	18625	12	#0	QPSK	22.13	-0.02	22.11	37	PASS
NVNT	Band2	5	18625	12	#Mid	QPSK	22.16	-0.02	22.14	37	PASS
NVNT	Band2	5	18625	12	#Max	QPSK	22.09	-0.02	22.07	37	PASS
NVNT	Band2	5	18625	25	#0	QPSK	22.09	-0.02	22.07	37	PASS
NVNT	Band2	5	18625	1	#0	16QAM	22.18	-0.02	22.16	37	PASS
NVNT	Band2	5	18625	1	#Mid	16QAM	22.28	-0.02	22.26	37	PASS
NVNT	Band2	5	18625	1	#Max	16QAM	22.24	-0.02	22.22	37	PASS
NVNT	Band2	5	18625	12	#0	16QAM	21.11	-0.02	21.09	37	PASS
NVNT	Band2	5	18625	12	#Mid	16QAM	21.17	-0.02	21.15	37	PASS
NVNT	Band2	5	18625	12	#Max	16QAM	21.14	-0.02	21.12	37	PASS
NVNT	Band2	5	18625	25	#0	16QAM	21.10	-0.02	21.08	37	PASS
NVNT	Band2	5	18900	1	#0	QPSK	20.48	-0.02	20.46	37	PASS
NVNT	Band2	5	18900	1	#Mid	QPSK	20.55	-0.02	20.53	37	PASS
NVNT	Band2	5	18900	1	#Max	QPSK	20.50	-0.02	20.48	37	PASS
NVNT	Band2	5	18900	12	#0	QPSK	22.47	-0.02	22.45	37	PASS
NVNT	Band2	5	18900	12	#Mid	QPSK	22.49	-0.02	22.47	37	PASS
NVNT	Band2	5	18900	12	#Max	QPSK	22.41	-0.02	22.39	37	PASS
NVNT	Band2	5	18900	25	#0	QPSK	22.45	-0.02	22.43	37	PASS
NVNT	Band2	5	18900	1	#0	16QAM	22.83	-0.02	22.81	37	PASS
NVNT	Band2	5	18900	1	#Mid	16QAM	22.86	-0.02	22.84	37	PASS
NVNT	Band2	5	18900	1	#Max	16QAM	22.79	-0.02	22.77	37	PASS
NVNT	Band2	5	18900	12	#0	16QAM	21.44	-0.02	21.42	37	PASS
NVNT	Band2	5	18900	12	#Mid	16QAM	21.51	-0.02	21.49	37	PASS
NVNT	Band2	5	18900	12	#Max	16QAM	21.45	-0.02	21.43	37	PASS
NVNT	Band2	5	18900	25	#0	16QAM	21.50	-0.02	21.48	37	PASS
NVNT	Band2	5	19175	1	#0	QPSK	20.54	-0.02	20.52	37	PASS
NVNT	Band2	5	19175	1	#Mid	QPSK	20.61	-0.02	20.59	37	PASS
NVNT	Band2	5	19175	1	#Max	QPSK	20.52	-0.02	20.50	37	PASS
NVNT	Band2	5	19175	12	#0	QPSK	22.51	-0.02	22.49	37	PASS
NVNT	Band2	5	19175	12	#Mid	QPSK	22.52	-0.02	22.50	37	PASS
NVNT	Band2	5	19175	12	#Max	QPSK	22.42	-0.02	22.40	37	PASS
NVNT	Band2	5	19175	25	#0	QPSK	22.49	-0.02	22.47	37	PASS
NVNT	Band2	5	19175	1	#0	16QAM	22.66	-0.02	22.64	37	PASS
NVNT	Band2	5	19175	1	#Mid	16QAM	22.74	-0.02	22.72	37	PASS
NVNT	Band2	5	19175	1	#Max	16QAM	22.67	-0.02	22.65	37	PASS
NVNT	Band2	5	19175	12	#0	16QAM	21.47	-0.02	21.45	37	PASS
NVNT	Band2	5	19175	12	#Mid	16QAM	21.52	-0.02	21.50	37	PASS

NVNT	Band2	5	19175	12	#Max	16QAM	21.42	-0.02	21.40	37	PASS
NVNT	Band2	5	19175	25	#0	16QAM	21.53	-0.02	21.51	37	PASS
NVNT	Band2	10	18650	1	#0	QPSK	20.40	-0.02	20.38	37	PASS
NVNT	Band2	10	18650	1	#Mid	QPSK	20.37	-0.02	20.35	37	PASS
NVNT	Band2	10	18650	1	#Max	QPSK	20.40	-0.02	20.38	37	PASS
NVNT	Band2	10	18650	25	#0	QPSK	22.13	-0.02	22.11	37	PASS
NVNT	Band2	10	18650	25	#Mid	QPSK	22.18	-0.02	22.16	37	PASS
NVNT	Band2	10	18650	25	#Max	QPSK	22.18	-0.02	22.16	37	PASS
NVNT	Band2	10	18650	50	#0	QPSK	22.19	-0.02	22.17	37	PASS
NVNT	Band2	10	18650	1	#0	16QAM	21.85	-0.02	21.83	37	PASS
NVNT	Band2	10	18650	1	#Mid	16QAM	21.95	-0.02	21.93	37	PASS
NVNT	Band2	10	18650	1	#Max	16QAM	22.06	-0.02	22.04	37	PASS
NVNT	Band2	10	18650	25	#0	16QAM	21.15	-0.02	21.13	37	PASS
NVNT	Band2	10	18650	25	#Mid	16QAM	21.23	-0.02	21.21	37	PASS
NVNT	Band2	10	18650	25	#Max	16QAM	21.26	-0.02	21.24	37	PASS
NVNT	Band2	10	18650	50	#0	16QAM	21.18	-0.02	21.16	37	PASS
NVNT	Band2	10	18900	1	#0	QPSK	20.58	-0.02	20.56	37	PASS
NVNT	Band2	10	18900	1	#Mid	QPSK	20.59	-0.02	20.57	37	PASS
NVNT	Band2	10	18900	1	#Max	QPSK	20.47	-0.02	20.45	37	PASS
NVNT	Band2	10	18900	25	#0	QPSK	22.50	-0.02	22.48	37	PASS
NVNT	Band2	10	18900	25	#Mid	QPSK	22.52	-0.02	22.50	37	PASS
NVNT	Band2	10	18900	25	#Max	QPSK	22.39	-0.02	22.37	37	PASS
NVNT	Band2	10	18900	50	#0	QPSK	22.47	-0.02	22.45	37	PASS
NVNT	Band2	10	18900	1	#0	16QAM	22.83	-0.02	22.81	37	PASS
NVNT	Band2	10	18900	1	#Mid	16QAM	22.82	-0.02	22.80	37	PASS
NVNT	Band2	10	18900	1	#Max	16QAM	22.75	-0.02	22.73	37	PASS
NVNT	Band2	10	18900	25	#0	16QAM	21.56	-0.02	21.54	37	PASS
NVNT	Band2	10	18900	25	#Mid	16QAM	21.54	-0.02	21.52	37	PASS
NVNT	Band2	10	18900	25	#Max	16QAM	21.43	-0.02	21.41	37	PASS
NVNT	Band2	10	18900	50	#0	16QAM	21.49	-0.02	21.47	37	PASS
NVNT	Band2	10	19150	1	#0	QPSK	20.49	-0.02	20.47	37	PASS
NVNT	Band2	10	19150	1	#Mid	QPSK	20.62	-0.02	20.60	37	PASS
NVNT	Band2	10	19150	1	#Max	QPSK	20.53	-0.02	20.51	37	PASS
NVNT	Band2	10	19150	25	#0	QPSK	22.48	-0.02	22.46	37	PASS
NVNT	Band2	10	19150	25	#Mid	QPSK	22.49	-0.02	22.47	37	PASS
NVNT	Band2	10	19150	25	#Max	QPSK	22.36	-0.02	22.34	37	PASS
NVNT	Band2	10	19150	50	#0	QPSK	22.46	-0.02	22.44	37	PASS
NVNT	Band2	10	19150	1	#0	16QAM	22.54	-0.02	22.52	37	PASS
NVNT	Band2	10	19150	1	#Mid	16QAM	22.62	-0.02	22.60	37	PASS
NVNT	Band2	10	19150	1	#Max	16QAM	22.59	-0.02	22.57	37	PASS
NVNT	Band2	10	19150	25	#0	16QAM	21.50	-0.02	21.48	37	PASS
NVNT	Band2	10	19150	25	#Mid	16QAM	21.56	-0.02	21.54	37	PASS
NVNT	Band2	10	19150	25	#Max	16QAM	21.40	-0.02	21.38	37	PASS

NVNT	Band2	10	19150	50	#0	16QAM	21.51	-0.02	21.49	37	PASS
NVNT	Band2	15	18675	1	#0	QPSK	20.36	-0.02	20.34	37	PASS
NVNT	Band2	15	18675	1	#Mid	QPSK	20.41	-0.02	20.39	37	PASS
NVNT	Band2	15	18675	1	#Max	QPSK	20.40	-0.02	20.38	37	PASS
NVNT	Band2	15	18675	36	#0	QPSK	22.36	-0.02	22.34	37	PASS
NVNT	Band2	15	18675	36	#Mid	QPSK	22.35	-0.02	22.33	37	PASS
NVNT	Band2	15	18675	36	#Max	QPSK	22.43	-0.02	22.41	37	PASS
NVNT	Band2	15	18675	75	#0	QPSK	22.43	-0.02	22.41	37	PASS
NVNT	Band2	15	18675	1	#0	16QAM	22.15	-0.02	22.13	37	PASS
NVNT	Band2	15	18675	1	#Mid	16QAM	22.33	-0.02	22.31	37	PASS
NVNT	Band2	15	18675	1	#Max	16QAM	22.41	-0.02	22.39	37	PASS
NVNT	Band2	15	18675	36	#0	16QAM	21.25	-0.02	21.23	37	PASS
NVNT	Band2	15	18675	36	#Mid	16QAM	21.33	-0.02	21.31	37	PASS
NVNT	Band2	15	18675	36	#Max	16QAM	21.41	-0.02	21.39	37	PASS
NVNT	Band2	15	18675	75	#0	16QAM	21.45	-0.02	21.43	37	PASS
NVNT	Band2	15	18900	1	#0	QPSK	20.50	-0.02	20.48	37	PASS
NVNT	Band2	15	18900	1	#Mid	QPSK	20.58	-0.02	20.56	37	PASS
NVNT	Band2	15	18900	1	#Max	QPSK	20.39	-0.02	20.37	37	PASS
NVNT	Band2	15	18900	36	#0	QPSK	22.66	-0.02	22.64	37	PASS
NVNT	Band2	15	18900	36	#Mid	QPSK	22.65	-0.02	22.63	37	PASS
NVNT	Band2	15	18900	36	#Max	QPSK	22.54	-0.02	22.52	37	PASS
NVNT	Band2	15	18900	75	#0	QPSK	22.61	-0.02	22.59	37	PASS
NVNT	Band2	15	18900	1	#0	16QAM	22.82	-0.02	22.80	37	PASS
NVNT	Band2	15	18900	1	#Mid	16QAM	22.81	-0.02	22.79	37	PASS
NVNT	Band2	15	18900	1	#Max	16QAM	22.72	-0.02	22.70	37	PASS
NVNT	Band2	15	18900	36	#0	16QAM	21.61	-0.02	21.59	37	PASS
NVNT	Band2	15	18900	36	#Mid	16QAM	21.61	-0.02	21.59	37	PASS
NVNT	Band2	15	18900	36	#Max	16QAM	21.52	-0.02	21.50	37	PASS
NVNT	Band2	15	18900	75	#0	16QAM	21.55	-0.02	21.53	37	PASS
NVNT	Band2	15	19125	1	#0	QPSK	20.41	-0.02	20.39	37	PASS
NVNT	Band2	15	19125	1	#Mid	QPSK	20.53	-0.02	20.51	37	PASS
NVNT	Band2	15	19125	1	#Max	QPSK	20.44	-0.02	20.42	37	PASS
NVNT	Band2	15	19125	36	#0	QPSK	22.53	-0.02	22.51	37	PASS
NVNT	Band2	15	19125	36	#Mid	QPSK	22.64	-0.02	22.62	37	PASS
NVNT	Band2	15	19125	36	#Max	QPSK	22.53	-0.02	22.51	37	PASS
NVNT	Band2	15	19125	75	#0	QPSK	22.57	-0.02	22.55	37	PASS
NVNT	Band2	15	19125	1	#0	16QAM	22.56	-0.02	22.54	37	PASS
NVNT	Band2	15	19125	1	#Mid	16QAM	22.59	-0.02	22.57	37	PASS
NVNT	Band2	15	19125	1	#Max	16QAM	22.51	-0.02	22.49	37	PASS
NVNT	Band2	15	19125	36	#0	16QAM	21.58	-0.02	21.56	37	PASS
NVNT	Band2	15	19125	36	#Mid	16QAM	21.67	-0.02	21.65	37	PASS
NVNT	Band2	15	19125	36	#Max	16QAM	21.57	-0.02	21.55	37	PASS
NVNT	Band2	15	19125	75	#0	16QAM	21.52	-0.02	21.50	37	PASS

NVNT	Band2	20	18700	1	#0	QPSK	20.15	-0.02	20.13	37	PASS
NVNT	Band2	20	18700	1	#Mid	QPSK	20.37	-0.02	20.35	37	PASS
NVNT	Band2	20	18700	1	#Max	QPSK	20.43	-0.02	20.41	37	PASS
NVNT	Band2	20	18700	50	#0	QPSK	22.21	-0.02	22.19	37	PASS
NVNT	Band2	20	18700	50	#Mid	QPSK	22.39	-0.02	22.37	37	PASS
NVNT	Band2	20	18700	50	#Max	QPSK	22.58	-0.02	22.56	37	PASS
NVNT	Band2	20	18700	100	#0	QPSK	22.43	-0.02	22.41	37	PASS
NVNT	Band2	20	18700	1	#0	16QAM	22.17	-0.02	22.15	37	PASS
NVNT	Band2	20	18700	1	#Mid	16QAM	22.63	-0.02	22.61	37	PASS
NVNT	Band2	20	18700	1	#Max	16QAM	22.69	-0.02	22.67	37	PASS
NVNT	Band2	20	18700	50	#0	16QAM	21.27	-0.02	21.25	37	PASS
NVNT	Band2	20	18700	50	#Mid	16QAM	21.44	-0.02	21.42	37	PASS
NVNT	Band2	20	18700	50	#Max	16QAM	21.73	-0.02	21.71	37	PASS
NVNT	Band2	20	18700	100	#0	16QAM	21.50	-0.02	21.48	37	PASS
NVNT	Band2	20	18900	1	#0	QPSK	20.52	-0.02	20.50	37	PASS
NVNT	Band2	20	18900	1	#Mid	QPSK	20.74	-0.02	20.72	37	PASS
NVNT	Band2	20	18900	1	#Max	QPSK	20.41	-0.02	20.39	37	PASS
NVNT	Band2	20	18900	50	#0	QPSK	22.50	-0.02	22.48	37	PASS
NVNT	Band2	20	18900	50	#Mid	QPSK	22.51	-0.02	22.49	37	PASS
NVNT	Band2	20	18900	50	#Max	QPSK	22.38	-0.02	22.36	37	PASS
NVNT	Band2	20	18900	100	#0	QPSK	22.45	-0.02	22.43	37	PASS
NVNT	Band2	20	18900	1	#0	16QAM	22.57	-0.02	22.55	37	PASS
NVNT	Band2	20	18900	1	#Mid	16QAM	22.68	-0.02	22.66	37	PASS
NVNT	Band2	20	18900	1	#Max	16QAM	22.48	-0.02	22.46	37	PASS
NVNT	Band2	20	18900	50	#0	16QAM	21.52	-0.02	21.50	37	PASS
NVNT	Band2	20	18900	50	#Mid	16QAM	21.55	-0.02	21.53	37	PASS
NVNT	Band2	20	18900	50	#Max	16QAM	21.39	-0.02	21.37	37	PASS
NVNT	Band2	20	18900	100	#0	16QAM	21.47	-0.02	21.45	37	PASS
NVNT	Band2	20	19100	1	#0	QPSK	20.27	-0.02	20.25	37	PASS
NVNT	Band2	20	19100	1	#Mid	QPSK	20.60	-0.02	20.58	37	PASS
NVNT	Band2	20	19100	1	#Max	QPSK	20.44	-0.02	20.42	37	PASS
NVNT	Band2	20	19100	50	#0	QPSK	22.35	-0.02	22.33	37	PASS
NVNT	Band2	20	19100	50	#Mid	QPSK	22.49	-0.02	22.47	37	PASS
NVNT	Band2	20	19100	50	#Max	QPSK	22.33	-0.02	22.31	37	PASS
NVNT	Band2	20	19100	100	#0	QPSK	22.32	-0.02	22.30	37	PASS
NVNT	Band2	20	19100	1	#0	16QAM	22.50	-0.02	22.48	37	PASS
NVNT	Band2	20	19100	1	#Mid	16QAM	22.72	-0.02	22.70	37	PASS
NVNT	Band2	20	19100	1	#Max	16QAM	22.54	-0.02	22.52	37	PASS
NVNT	Band2	20	19100	50	#0	16QAM	21.41	-0.02	21.39	37	PASS
NVNT	Band2	20	19100	50	#Mid	16QAM	21.60	-0.02	21.58	37	PASS
NVNT	Band2	20	19100	50	#Max	16QAM	21.39	-0.02	21.37	37	PASS
NVNT	Band2	20	19100	100	#0	16QAM	21.40	-0.02	21.38	37	PASS

LTE Band 4

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
NVNT	Band4	1.4	19957	1	#0	QPSK	22.75	-2.46	20.29	37	PASS
NVNT	Band4	1.4	19957	1	#Mid	QPSK	22.82	-2.46	20.36	37	PASS
NVNT	Band4	1.4	19957	1	#Max	QPSK	22.75	-2.46	20.29	37	PASS
NVNT	Band4	1.4	19957	3	#0	QPSK	22.72	-2.46	20.26	37	PASS
NVNT	Band4	1.4	19957	3	#Mid	QPSK	22.74	-2.46	20.28	37	PASS
NVNT	Band4	1.4	19957	3	#Max	QPSK	22.70	-2.46	20.24	37	PASS
NVNT	Band4	1.4	19957	6	#0	QPSK	21.78	-2.46	19.32	37	PASS
NVNT	Band4	1.4	19957	1	#0	16QAM	21.78	-2.46	19.32	37	PASS
NVNT	Band4	1.4	19957	1	#Mid	16QAM	21.80	-2.46	19.34	37	PASS
NVNT	Band4	1.4	19957	1	#Max	16QAM	21.77	-2.46	19.31	37	PASS
NVNT	Band4	1.4	19957	3	#0	16QAM	21.88	-2.46	19.42	37	PASS
NVNT	Band4	1.4	19957	3	#Mid	16QAM	21.90	-2.46	19.44	37	PASS
NVNT	Band4	1.4	19957	3	#Max	16QAM	21.84	-2.46	19.38	37	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	20.97	-2.46	18.51	37	PASS
NVNT	Band4	1.4	20175	1	#0	QPSK	22.43	-2.46	19.97	37	PASS
NVNT	Band4	1.4	20175	1	#Mid	QPSK	22.53	-2.46	20.07	37	PASS
NVNT	Band4	1.4	20175	1	#Max	QPSK	22.45	-2.46	19.99	37	PASS
NVNT	Band4	1.4	20175	3	#0	QPSK	22.59	-2.46	20.13	37	PASS
NVNT	Band4	1.4	20175	3	#Mid	QPSK	22.60	-2.46	20.14	37	PASS
NVNT	Band4	1.4	20175	3	#Max	QPSK	22.54	-2.46	20.08	37	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	21.60	-2.46	19.14	37	PASS
NVNT	Band4	1.4	20175	1	#0	16QAM	21.62	-2.46	19.16	37	PASS
NVNT	Band4	1.4	20175	1	#Mid	16QAM	21.68	-2.46	19.22	37	PASS
NVNT	Band4	1.4	20175	1	#Max	16QAM	21.65	-2.46	19.19	37	PASS
NVNT	Band4	1.4	20175	3	#0	16QAM	21.80	-2.46	19.34	37	PASS
NVNT	Band4	1.4	20175	3	#Mid	16QAM	21.85	-2.46	19.39	37	PASS
NVNT	Band4	1.4	20175	3	#Max	16QAM	21.85	-2.46	19.39	37	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	20.80	-2.46	18.34	37	PASS
NVNT	Band4	1.4	20393	1	#0	QPSK	22.60	-2.46	20.14	37	PASS
NVNT	Band4	1.4	20393	1	#Mid	QPSK	22.66	-2.46	20.20	37	PASS
NVNT	Band4	1.4	20393	1	#Max	QPSK	22.57	-2.46	20.11	37	PASS
NVNT	Band4	1.4	20393	3	#0	QPSK	22.64	-2.46	20.18	37	PASS
NVNT	Band4	1.4	20393	3	#Mid	QPSK	22.63	-2.46	20.17	37	PASS
NVNT	Band4	1.4	20393	3	#Max	QPSK	22.58	-2.46	20.12	37	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	21.72	-2.46	19.26	37	PASS
NVNT	Band4	1.4	20393	1	#0	16QAM	21.40	-2.46	18.94	37	PASS
NVNT	Band4	1.4	20393	1	#Mid	16QAM	21.43	-2.46	18.97	37	PASS
NVNT	Band4	1.4	20393	1	#Max	16QAM	21.35	-2.46	18.89	37	PASS

NVNT	Band4	1.4	20393	3	#0	16QAM	21.75	-2.46	19.29	37	PASS
NVNT	Band4	1.4	20393	3	#Mid	16QAM	21.78	-2.46	19.32	37	PASS
NVNT	Band4	1.4	20393	3	#Max	16QAM	21.77	-2.46	19.31	37	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	20.91	-2.46	18.45	37	PASS
NVNT	Band4	3	19965	1	#0	QPSK	22.50	-2.46	20.04	37	PASS
NVNT	Band4	3	19965	1	#Mid	QPSK	22.54	-2.46	20.08	37	PASS
NVNT	Band4	3	19965	1	#Max	QPSK	22.42	-2.46	19.96	37	PASS
NVNT	Band4	3	19965	8	#0	QPSK	21.67	-2.46	19.21	37	PASS
NVNT	Band4	3	19965	8	#Mid	QPSK	21.76	-2.46	19.30	37	PASS
NVNT	Band4	3	19965	8	#Max	QPSK	21.74	-2.46	19.28	37	PASS
NVNT	Band4	3	19965	15	#0	QPSK	21.69	-2.46	19.23	37	PASS
NVNT	Band4	3	19965	1	#0	16QAM	21.89	-2.46	19.43	37	PASS
NVNT	Band4	3	19965	1	#Mid	16QAM	21.97	-2.46	19.51	37	PASS
NVNT	Band4	3	19965	1	#Max	16QAM	21.83	-2.46	19.37	37	PASS
NVNT	Band4	3	19965	8	#0	16QAM	20.74	-2.46	18.28	37	PASS
NVNT	Band4	3	19965	8	#Mid	16QAM	20.77	-2.46	18.31	37	PASS
NVNT	Band4	3	19965	8	#Max	16QAM	20.72	-2.46	18.26	37	PASS
NVNT	Band4	3	19965	15	#0	16QAM	20.73	-2.46	18.27	37	PASS
NVNT	Band4	3	20175	1	#0	QPSK	22.30	-2.46	19.84	37	PASS
NVNT	Band4	3	20175	1	#Mid	QPSK	22.42	-2.46	19.96	37	PASS
NVNT	Band4	3	20175	1	#Max	QPSK	22.29	-2.46	19.83	37	PASS
NVNT	Band4	3	20175	8	#0	QPSK	21.51	-2.46	19.05	37	PASS
NVNT	Band4	3	20175	8	#Mid	QPSK	21.64	-2.46	19.18	37	PASS
NVNT	Band4	3	20175	8	#Max	QPSK	21.60	-2.46	19.14	37	PASS
NVNT	Band4	3	20175	15	#0	QPSK	21.57	-2.46	19.11	37	PASS
NVNT	Band4	3	20175	1	#0	16QAM	21.45	-2.46	18.99	37	PASS
NVNT	Band4	3	20175	1	#Mid	16QAM	21.61	-2.46	19.15	37	PASS
NVNT	Band4	3	20175	1	#Max	16QAM	21.54	-2.46	19.08	37	PASS
NVNT	Band4	3	20175	8	#0	16QAM	20.55	-2.46	18.09	37	PASS
NVNT	Band4	3	20175	8	#Mid	16QAM	20.61	-2.46	18.15	37	PASS
NVNT	Band4	3	20175	8	#Max	16QAM	20.65	-2.46	18.19	37	PASS
NVNT	Band4	3	20175	15	#0	16QAM	20.51	-2.46	18.05	37	PASS
NVNT	Band4	3	20385	1	#0	QPSK	22.50	-2.46	20.04	37	PASS
NVNT	Band4	3	20385	1	#Mid	QPSK	22.61	-2.46	20.15	37	PASS
NVNT	Band4	3	20385	1	#Max	QPSK	22.53	-2.46	20.07	37	PASS
NVNT	Band4	3	20385	8	#0	QPSK	21.69	-2.46	19.23	37	PASS
NVNT	Band4	3	20385	8	#Mid	QPSK	21.78	-2.46	19.32	37	PASS
NVNT	Band4	3	20385	8	#Max	QPSK	21.69	-2.46	19.23	37	PASS
NVNT	Band4	3	20385	15	#0	QPSK	21.67	-2.46	19.21	37	PASS
NVNT	Band4	3	20385	1	#0	16QAM	21.35	-2.46	18.89	37	PASS
NVNT	Band4	3	20385	1	#Mid	16QAM	21.40	-2.46	18.94	37	PASS
NVNT	Band4	3	20385	1	#Max	16QAM	21.25	-2.46	18.79	37	PASS
NVNT	Band4	3	20385	8	#0	16QAM	20.67	-2.46	18.21	37	PASS

NVNT	Band4	3	20385	8	#Mid	16QAM	20.76	-2.46	18.30	37	PASS
NVNT	Band4	3	20385	8	#Max	16QAM	20.66	-2.46	18.20	37	PASS
NVNT	Band4	3	20385	15	#0	16QAM	20.79	-2.46	18.33	37	PASS
NVNT	Band4	5	19975	1	#0	QPSK	22.70	-2.46	20.24	37	PASS
NVNT	Band4	5	19975	1	#Mid	QPSK	22.76	-2.46	20.30	37	PASS
NVNT	Band4	5	19975	1	#Max	QPSK	22.58	-2.46	20.12	37	PASS
NVNT	Band4	5	19975	12	#0	QPSK	21.67	-2.46	19.21	37	PASS
NVNT	Band4	5	19975	12	#Mid	QPSK	21.78	-2.46	19.32	37	PASS
NVNT	Band4	5	19975	12	#Max	QPSK	21.75	-2.46	19.29	37	PASS
NVNT	Band4	5	19975	25	#0	QPSK	21.75	-2.46	19.29	37	PASS
NVNT	Band4	5	19975	1	#0	16QAM	22.04	-2.46	19.58	37	PASS
NVNT	Band4	5	19975	1	#Mid	16QAM	22.06	-2.46	19.60	37	PASS
NVNT	Band4	5	19975	1	#Max	16QAM	21.90	-2.46	19.44	37	PASS
NVNT	Band4	5	19975	12	#0	16QAM	20.68	-2.46	18.22	37	PASS
NVNT	Band4	5	19975	12	#Mid	16QAM	20.83	-2.46	18.37	37	PASS
NVNT	Band4	5	19975	12	#Max	16QAM	20.81	-2.46	18.35	37	PASS
NVNT	Band4	5	19975	25	#0	16QAM	20.71	-2.46	18.25	37	PASS
NVNT	Band4	5	20175	1	#0	QPSK	22.51	-2.46	20.05	37	PASS
NVNT	Band4	5	20175	1	#Mid	QPSK	22.64	-2.46	20.18	37	PASS
NVNT	Band4	5	20175	1	#Max	QPSK	22.57	-2.46	20.11	37	PASS
NVNT	Band4	5	20175	12	#0	QPSK	21.62	-2.46	19.16	37	PASS
NVNT	Band4	5	20175	12	#Mid	QPSK	21.66	-2.46	19.20	37	PASS
NVNT	Band4	5	20175	12	#Max	QPSK	21.72	-2.46	19.26	37	PASS
NVNT	Band4	5	20175	25	#0	QPSK	21.62	-2.46	19.16	37	PASS
NVNT	Band4	5	20175	1	#0	16QAM	21.97	-2.46	19.51	37	PASS
NVNT	Band4	5	20175	1	#Mid	16QAM	22.14	-2.46	19.68	37	PASS
NVNT	Band4	5	20175	1	#Max	16QAM	22.15	-2.46	19.69	37	PASS
NVNT	Band4	5	20175	12	#0	16QAM	20.54	-2.46	18.08	37	PASS
NVNT	Band4	5	20175	12	#Mid	16QAM	20.69	-2.46	18.23	37	PASS
NVNT	Band4	5	20175	12	#Max	16QAM	20.73	-2.46	18.27	37	PASS
NVNT	Band4	5	20175	25	#0	16QAM	20.64	-2.46	18.18	37	PASS
NVNT	Band4	5	20375	1	#0	QPSK	22.73	-2.46	20.27	37	PASS
NVNT	Band4	5	20375	1	#Mid	QPSK	22.84	-2.46	20.38	37	PASS
NVNT	Band4	5	20375	1	#Max	QPSK	22.64	-2.46	20.18	37	PASS
NVNT	Band4	5	20375	12	#0	QPSK	21.77	-2.46	19.31	37	PASS
NVNT	Band4	5	20375	12	#Mid	QPSK	21.83	-2.46	19.37	37	PASS
NVNT	Band4	5	20375	12	#Max	QPSK	21.72	-2.46	19.26	37	PASS
NVNT	Band4	5	20375	25	#0	QPSK	21.80	-2.46	19.34	37	PASS
NVNT	Band4	5	20375	1	#0	16QAM	22.09	-2.46	19.63	37	PASS
NVNT	Band4	5	20375	1	#Mid	16QAM	22.13	-2.46	19.67	37	PASS
NVNT	Band4	5	20375	1	#Max	16QAM	21.94	-2.46	19.48	37	PASS
NVNT	Band4	5	20375	12	#0	16QAM	20.72	-2.46	18.26	37	PASS
NVNT	Band4	5	20375	12	#Mid	16QAM	20.81	-2.46	18.35	37	PASS

NVNT	Band4	5	20375	12	#Max	16QAM	20.69	-2.46	18.23	37	PASS
NVNT	Band4	5	20375	25	#0	16QAM	20.82	-2.46	18.36	37	PASS
NVNT	Band4	10	20000	1	#0	QPSK	22.75	-2.46	20.29	37	PASS
NVNT	Band4	10	20000	1	#Mid	QPSK	22.73	-2.46	20.27	37	PASS
NVNT	Band4	10	20000	1	#Max	QPSK	22.60	-2.46	20.14	37	PASS
NVNT	Band4	10	20000	25	#0	QPSK	21.58	-2.46	19.12	37	PASS
NVNT	Band4	10	20000	25	#Mid	QPSK	21.76	-2.46	19.30	37	PASS
NVNT	Band4	10	20000	25	#Max	QPSK	21.70	-2.46	19.24	37	PASS
NVNT	Band4	10	20000	50	#0	QPSK	21.69	-2.46	19.23	37	PASS
NVNT	Band4	10	20000	1	#0	16QAM	22.17	-2.46	19.71	37	PASS
NVNT	Band4	10	20000	1	#Mid	16QAM	22.16	-2.46	19.70	37	PASS
NVNT	Band4	10	20000	1	#Max	16QAM	22.00	-2.46	19.54	37	PASS
NVNT	Band4	10	20000	25	#0	16QAM	20.63	-2.46	18.17	37	PASS
NVNT	Band4	10	20000	25	#Mid	16QAM	20.77	-2.46	18.31	37	PASS
NVNT	Band4	10	20000	25	#Max	16QAM	20.75	-2.46	18.29	37	PASS
NVNT	Band4	10	20000	50	#0	16QAM	20.66	-2.46	18.20	37	PASS
NVNT	Band4	10	20175	1	#0	QPSK	22.54	-2.46	20.08	37	PASS
NVNT	Band4	10	20175	1	#Mid	QPSK	22.65	-2.46	20.19	37	PASS
NVNT	Band4	10	20175	1	#Max	QPSK	22.71	-2.46	20.25	37	PASS
NVNT	Band4	10	20175	25	#0	QPSK	21.58	-2.46	19.12	37	PASS
NVNT	Band4	10	20175	25	#Mid	QPSK	21.66	-2.46	19.20	37	PASS
NVNT	Band4	10	20175	25	#Max	QPSK	21.68	-2.46	19.22	37	PASS
NVNT	Band4	10	20175	50	#0	QPSK	21.65	-2.46	19.19	37	PASS
NVNT	Band4	10	20175	1	#0	16QAM	21.66	-2.46	19.20	37	PASS
NVNT	Band4	10	20175	1	#Mid	16QAM	21.82	-2.46	19.36	37	PASS
NVNT	Band4	10	20175	1	#Max	16QAM	21.92	-2.46	19.46	37	PASS
NVNT	Band4	10	20175	25	#0	16QAM	20.61	-2.46	18.15	37	PASS
NVNT	Band4	10	20175	25	#Mid	16QAM	20.71	-2.46	18.25	37	PASS
NVNT	Band4	10	20175	25	#Max	16QAM	20.73	-2.46	18.27	37	PASS
NVNT	Band4	10	20175	50	#0	16QAM	20.65	-2.46	18.19	37	PASS
NVNT	Band4	10	20350	1	#0	QPSK	22.94	-2.46	20.48	37	PASS
NVNT	Band4	10	20350	1	#Mid	QPSK	22.95	-2.46	20.49	37	PASS
NVNT	Band4	10	20350	1	#Max	QPSK	22.77	-2.46	20.31	37	PASS
NVNT	Band4	10	20350	25	#0	QPSK	21.80	-2.46	19.34	37	PASS
NVNT	Band4	10	20350	25	#Mid	QPSK	21.87	-2.46	19.41	37	PASS
NVNT	Band4	10	20350	25	#Max	QPSK	21.84	-2.46	19.38	37	PASS
NVNT	Band4	10	20350	50	#0	QPSK	21.84	-2.46	19.38	37	PASS
NVNT	Band4	10	20350	1	#0	16QAM	21.78	-2.46	19.32	37	PASS
NVNT	Band4	10	20350	1	#Mid	16QAM	21.68	-2.46	19.22	37	PASS
NVNT	Band4	10	20350	1	#Max	16QAM	21.54	-2.46	19.08	37	PASS
NVNT	Band4	10	20350	25	#0	16QAM	20.84	-2.46	18.38	37	PASS
NVNT	Band4	10	20350	25	#Mid	16QAM	20.94	-2.46	18.48	37	PASS
NVNT	Band4	10	20350	25	#Max	16QAM	20.83	-2.46	18.37	37	PASS

NVNT	Band4	10	20350	50	#0	16QAM	20.83	-2.46	18.37	37	PASS
NVNT	Band4	15	20025	1	#0	QPSK	22.71	-2.46	20.25	37	PASS
NVNT	Band4	15	20025	1	#Mid	QPSK	22.66	-2.46	20.20	37	PASS
NVNT	Band4	15	20025	1	#Max	QPSK	22.47	-2.46	20.01	37	PASS
NVNT	Band4	15	20025	36	#0	QPSK	21.60	-2.46	19.14	37	PASS
NVNT	Band4	15	20025	36	#Mid	QPSK	21.68	-2.46	19.22	37	PASS
NVNT	Band4	15	20025	36	#Max	QPSK	21.64	-2.46	19.18	37	PASS
NVNT	Band4	15	20025	75	#0	QPSK	21.70	-2.46	19.24	37	PASS
NVNT	Band4	15	20025	1	#0	16QAM	22.11	-2.46	19.65	37	PASS
NVNT	Band4	15	20025	1	#Mid	16QAM	22.02	-2.46	19.56	37	PASS
NVNT	Band4	15	20025	1	#Max	16QAM	21.84	-2.46	19.38	37	PASS
NVNT	Band4	15	20025	36	#0	16QAM	20.60	-2.46	18.14	37	PASS
NVNT	Band4	15	20025	36	#Mid	16QAM	20.74	-2.46	18.28	37	PASS
NVNT	Band4	15	20025	36	#Max	16QAM	20.64	-2.46	18.18	37	PASS
NVNT	Band4	15	20025	75	#0	16QAM	20.63	-2.46	18.17	37	PASS
NVNT	Band4	15	20175	1	#0	QPSK	22.52	-2.46	20.06	37	PASS
NVNT	Band4	15	20175	1	#Mid	QPSK	22.68	-2.46	20.22	37	PASS
NVNT	Band4	15	20175	1	#Max	QPSK	22.67	-2.46	20.21	37	PASS
NVNT	Band4	15	20175	36	#0	QPSK	21.59	-2.46	19.13	37	PASS
NVNT	Band4	15	20175	36	#Mid	QPSK	21.74	-2.46	19.28	37	PASS
NVNT	Band4	15	20175	36	#Max	QPSK	21.78	-2.46	19.32	37	PASS
NVNT	Band4	15	20175	75	#0	QPSK	21.69	-2.46	19.23	37	PASS
NVNT	Band4	15	20175	1	#0	16QAM	21.61	-2.46	19.15	37	PASS
NVNT	Band4	15	20175	1	#Mid	16QAM	21.84	-2.46	19.38	37	PASS
NVNT	Band4	15	20175	1	#Max	16QAM	21.89	-2.46	19.43	37	PASS
NVNT	Band4	15	20175	36	#0	16QAM	20.61	-2.46	18.15	37	PASS
NVNT	Band4	15	20175	36	#Mid	16QAM	20.78	-2.46	18.32	37	PASS
NVNT	Band4	15	20175	36	#Max	16QAM	20.80	-2.46	18.34	37	PASS
NVNT	Band4	15	20175	75	#0	16QAM	20.65	-2.46	18.19	37	PASS
NVNT	Band4	15	20325	1	#0	QPSK	22.83	-2.46	20.37	37	PASS
NVNT	Band4	15	20325	1	#Mid	QPSK	22.97	-2.46	20.51	37	PASS
NVNT	Band4	15	20325	1	#Max	QPSK	22.70	-2.46	20.24	37	PASS
NVNT	Band4	15	20325	36	#0	QPSK	21.88	-2.46	19.42	37	PASS
NVNT	Band4	15	20325	36	#Mid	QPSK	21.96	-2.46	19.50	37	PASS
NVNT	Band4	15	20325	36	#Max	QPSK	21.90	-2.46	19.44	37	PASS
NVNT	Band4	15	20325	75	#0	QPSK	21.94	-2.46	19.48	37	PASS
NVNT	Band4	15	20325	1	#0	16QAM	21.87	-2.46	19.41	37	PASS
NVNT	Band4	15	20325	1	#Mid	16QAM	22.04	-2.46	19.58	37	PASS
NVNT	Band4	15	20325	1	#Max	16QAM	21.75	-2.46	19.29	37	PASS
NVNT	Band4	15	20325	36	#0	16QAM	20.84	-2.46	18.38	37	PASS
NVNT	Band4	15	20325	36	#Mid	16QAM	20.90	-2.46	18.44	37	PASS
NVNT	Band4	15	20325	36	#Max	16QAM	20.79	-2.46	18.33	37	PASS
NVNT	Band4	15	20325	75	#0	16QAM	20.92	-2.46	18.46	37	PASS

NVNT	Band4	20	20050	1	#0	QPSK	22.65	-2.46	20.19	37	PASS
NVNT	Band4	20	20050	1	#Mid	QPSK	22.68	-2.46	20.22	37	PASS
NVNT	Band4	20	20050	1	#Max	QPSK	22.47	-2.46	20.01	37	PASS
NVNT	Band4	20	20050	50	#0	QPSK	21.44	-2.46	18.98	37	PASS
NVNT	Band4	20	20050	50	#Mid	QPSK	21.66	-2.46	19.20	37	PASS
NVNT	Band4	20	20050	50	#Max	QPSK	21.66	-2.46	19.20	37	PASS
NVNT	Band4	20	20050	100	#0	QPSK	21.53	-2.46	19.07	37	PASS
NVNT	Band4	20	20050	1	#0	16QAM	21.93	-2.46	19.47	37	PASS
NVNT	Band4	20	20050	1	#Mid	16QAM	21.93	-2.46	19.47	37	PASS
NVNT	Band4	20	20050	1	#Max	16QAM	21.72	-2.46	19.26	37	PASS
NVNT	Band4	20	20050	50	#0	16QAM	20.51	-2.46	18.05	37	PASS
NVNT	Band4	20	20050	50	#Mid	16QAM	20.72	-2.46	18.26	37	PASS
NVNT	Band4	20	20050	50	#Max	16QAM	20.73	-2.46	18.27	37	PASS
NVNT	Band4	20	20050	100	#0	16QAM	20.53	-2.46	18.07	37	PASS
NVNT	Band4	20	20175	1	#0	QPSK	22.54	-2.46	20.08	37	PASS
NVNT	Band4	20	20175	1	#Mid	QPSK	22.81	-2.46	20.35	37	PASS
NVNT	Band4	20	20175	1	#Max	QPSK	22.77	-2.46	20.31	37	PASS
NVNT	Band4	20	20175	50	#0	QPSK	21.50	-2.46	19.04	37	PASS
NVNT	Band4	20	20175	50	#Mid	QPSK	21.70	-2.46	19.24	37	PASS
NVNT	Band4	20	20175	50	#Max	QPSK	21.73	-2.46	19.27	37	PASS
NVNT	Band4	20	20175	100	#0	QPSK	21.58	-2.46	19.12	37	PASS
NVNT	Band4	20	20175	1	#0	16QAM	21.61	-2.46	19.15	37	PASS
NVNT	Band4	20	20175	1	#Mid	16QAM	21.90	-2.46	19.44	37	PASS
NVNT	Band4	20	20175	1	#Max	16QAM	21.96	-2.46	19.50	37	PASS
NVNT	Band4	20	20175	50	#0	16QAM	20.52	-2.46	18.06	37	PASS
NVNT	Band4	20	20175	50	#Mid	16QAM	20.72	-2.46	18.26	37	PASS
NVNT	Band4	20	20175	50	#Max	16QAM	20.74	-2.46	18.28	37	PASS
NVNT	Band4	20	20175	100	#0	16QAM	20.57	-2.46	18.11	37	PASS
NVNT	Band4	20	20300	1	#0	QPSK	22.57	-2.46	20.11	37	PASS
NVNT	Band4	20	20300	1	#Mid	QPSK	22.98	-2.46	20.52	37	PASS
NVNT	Band4	20	20300	1	#Max	QPSK	22.62	-2.46	20.16	37	PASS
NVNT	Band4	20	20300	50	#0	QPSK	21.81	-2.46	19.35	37	PASS
NVNT	Band4	20	20300	50	#Mid	QPSK	21.93	-2.46	19.47	37	PASS
NVNT	Band4	20	20300	50	#Max	QPSK	21.90	-2.46	19.44	37	PASS
NVNT	Band4	20	20300	100	#0	QPSK	21.83	-2.46	19.37	37	PASS
NVNT	Band4	20	20300	1	#0	16QAM	21.82	-2.46	19.36	37	PASS
NVNT	Band4	20	20300	1	#Mid	16QAM	22.23	-2.46	19.77	37	PASS
NVNT	Band4	20	20300	1	#Max	16QAM	21.86	-2.46	19.40	37	PASS
NVNT	Band4	20	20300	50	#0	16QAM	20.89	-2.46	18.43	37	PASS
NVNT	Band4	20	20300	50	#Mid	16QAM	21.04	-2.46	18.58	37	PASS
NVNT	Band4	20	20300	50	#Max	16QAM	20.95	-2.46	18.49	37	PASS
NVNT	Band4	20	20300	100	#0	16QAM	20.89	-2.46	18.43	37	PASS

LTE Band 7

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
NVNT	Band7	5	20775	1	#0	QPSK	20.57	1.33	21.90	37	PASS
NVNT	Band7	5	20775	1	#Mid	QPSK	20.57	1.33	21.90	37	PASS
NVNT	Band7	5	20775	1	#Max	QPSK	20.43	1.33	21.76	37	PASS
NVNT	Band7	5	20775	12	#0	QPSK	20.54	1.33	21.87	37	PASS
NVNT	Band7	5	20775	12	#Mid	QPSK	20.57	1.33	21.90	37	PASS
NVNT	Band7	5	20775	12	#Max	QPSK	20.48	1.33	21.81	37	PASS
NVNT	Band7	5	20775	25	#0	QPSK	20.52	1.33	21.85	37	PASS
NVNT	Band7	5	20775	1	#0	16QAM	20.78	1.33	21.11	37	PASS
NVNT	Band7	5	20775	1	#Mid	16QAM	20.89	1.33	21.22	37	PASS
NVNT	Band7	5	20775	1	#Max	16QAM	20.77	1.33	21.10	37	PASS
NVNT	Band7	5	20775	12	#0	16QAM	22.44	1.33	23.77	37	PASS
NVNT	Band7	5	20775	12	#Mid	16QAM	22.46	1.33	23.79	37	PASS
NVNT	Band7	5	20775	12	#Max	16QAM	22.43	1.33	23.76	37	PASS
NVNT	Band7	5	20775	25	#0	16QAM	22.46	1.33	23.79	37	PASS
NVNT	Band7	5	21100	1	#0	QPSK	20.99	1.33	21.32	37	PASS
NVNT	Band7	5	21100	1	#Mid	QPSK	20.05	1.33	21.38	37	PASS
NVNT	Band7	5	21100	1	#Max	QPSK	20.94	1.33	21.27	37	PASS
NVNT	Band7	5	21100	12	#0	QPSK	20.88	1.33	21.21	37	PASS
NVNT	Band7	5	21100	12	#Mid	QPSK	22.93	1.33	24.26	37	PASS
NVNT	Band7	5	21100	12	#Max	QPSK	22.87	1.33	24.20	37	PASS
NVNT	Band7	5	21100	25	#0	QPSK	22.88	1.33	24.21	37	PASS
NVNT	Band7	5	21100	1	#0	16QAM	20.05	1.33	21.38	37	PASS
NVNT	Band7	5	21100	1	#Mid	16QAM	20.13	1.33	21.46	37	PASS
NVNT	Band7	5	21100	1	#Max	16QAM	20.02	1.33	21.35	37	PASS
NVNT	Band7	5	21100	12	#0	16QAM	21.82	1.33	23.15	37	PASS
NVNT	Band7	5	21100	12	#Mid	16QAM	21.87	1.33	23.20	37	PASS
NVNT	Band7	5	21100	12	#Max	16QAM	21.78	1.33	23.11	37	PASS
NVNT	Band7	5	21100	25	#0	16QAM	21.87	1.33	23.20	37	PASS
NVNT	Band7	5	21425	1	#0	QPSK	20.52	1.33	21.85	37	PASS
NVNT	Band7	5	21425	1	#Mid	QPSK	20.61	1.33	21.94	37	PASS
NVNT	Band7	5	21425	1	#Max	QPSK	20.47	1.33	21.80	37	PASS
NVNT	Band7	5	21425	12	#0	QPSK	22.61	1.33	23.94	37	PASS
NVNT	Band7	5	21425	12	#Mid	QPSK	22.63	1.33	23.96	37	PASS
NVNT	Band7	5	21425	12	#Max	QPSK	22.60	1.33	23.93	37	PASS
NVNT	Band7	5	21425	25	#0	QPSK	22.59	1.33	23.92	37	PASS
NVNT	Band7	5	21425	1	#0	16QAM	22.77	1.33	24.10	37	PASS
NVNT	Band7	5	21425	1	#Mid	16QAM	22.83	1.33	24.16	37	PASS
NVNT	Band7	5	21425	1	#Max	16QAM	22.74	1.33	24.07	37	PASS

NVNT	Band7	5	21425	12	#0	16QAM	21.60	1.33	22.93	37	PASS
NVNT	Band7	5	21425	12	#Mid	16QAM	21.66	1.33	22.99	37	PASS
NVNT	Band7	5	21425	12	#Max	16QAM	21.58	1.33	22.91	37	PASS
NVNT	Band7	5	21425	25	#0	16QAM	21.56	1.33	22.89	37	PASS
NVNT	Band7	10	20800	1	#0	QPSK	20.56	1.33	21.89	37	PASS
NVNT	Band7	10	20800	1	#Mid	QPSK	20.53	1.33	21.86	37	PASS
NVNT	Band7	10	20800	1	#Max	QPSK	20.43	1.33	21.76	37	PASS
NVNT	Band7	10	20800	25	#0	QPSK	20.54	1.33	21.87	37	PASS
NVNT	Band7	10	20800	25	#Mid	QPSK	20.53	1.33	21.86	37	PASS
NVNT	Band7	10	20800	25	#Max	QPSK	20.45	1.33	21.78	37	PASS
NVNT	Band7	10	20800	50	#0	QPSK	20.47	1.33	21.80	37	PASS
NVNT	Band7	10	20800	1	#0	16QAM	20.57	1.33	21.90	37	PASS
NVNT	Band7	10	20800	1	#Mid	16QAM	20.62	1.33	21.95	37	PASS
NVNT	Band7	10	20800	1	#Max	16QAM	20.52	1.33	21.85	37	PASS
NVNT	Band7	10	20800	25	#0	16QAM	22.49	1.33	23.82	37	PASS
NVNT	Band7	10	20800	25	#Mid	16QAM	22.47	1.33	23.80	37	PASS
NVNT	Band7	10	20800	25	#Max	16QAM	22.41	1.33	23.74	37	PASS
NVNT	Band7	10	20800	50	#0	16QAM	22.47	1.33	23.80	37	PASS
NVNT	Band7	10	21100	1	#0	QPSK	20.17	1.33	21.50	37	PASS
NVNT	Band7	10	21100	1	#Mid	QPSK	20.16	1.33	21.49	37	PASS
NVNT	Band7	10	21100	1	#Max	QPSK	20.01	1.33	21.34	37	PASS
NVNT	Band7	10	21100	25	#0	QPSK	22.93	1.33	24.26	37	PASS
NVNT	Band7	10	21100	25	#Mid	QPSK	22.93	1.33	24.26	37	PASS
NVNT	Band7	10	21100	25	#Max	QPSK	22.85	1.33	24.18	37	PASS
NVNT	Band7	10	21100	50	#0	QPSK	22.91	1.33	24.24	37	PASS
NVNT	Band7	10	21100	1	#0	16QAM	22.73	1.33	24.06	37	PASS
NVNT	Band7	10	21100	1	#Mid	16QAM	22.73	1.33	24.06	37	PASS
NVNT	Band7	10	21100	1	#Max	16QAM	22.60	1.33	23.93	37	PASS
NVNT	Band7	10	21100	25	#0	16QAM	21.87	1.33	23.20	37	PASS
NVNT	Band7	10	21100	25	#Mid	16QAM	21.90	1.33	23.23	37	PASS
NVNT	Band7	10	21100	25	#Max	16QAM	21.86	1.33	23.19	37	PASS
NVNT	Band7	10	21100	50	#0	16QAM	21.84	1.33	23.17	37	PASS
NVNT	Band7	10	21400	1	#0	QPSK	20.65	1.33	21.98	37	PASS
NVNT	Band7	10	21400	1	#Mid	QPSK	20.69	1.33	21.02	37	PASS
NVNT	Band7	10	21400	1	#Max	QPSK	20.65	1.33	21.98	37	PASS
NVNT	Band7	10	21400	25	#0	QPSK	22.60	1.33	23.93	37	PASS
NVNT	Band7	10	21400	25	#Mid	QPSK	22.65	1.33	23.98	37	PASS
NVNT	Band7	10	21400	25	#Max	QPSK	22.58	1.33	23.91	37	PASS
NVNT	Band7	10	21400	50	#0	QPSK	22.61	1.33	23.94	37	PASS
NVNT	Band7	10	21400	1	#0	16QAM	22.93	1.33	24.26	37	PASS
NVNT	Band7	10	21400	1	#Mid	16QAM	22.97	1.33	24.30	37	PASS
NVNT	Band7	10	21400	1	#Max	16QAM	22.87	1.33	24.20	37	PASS
NVNT	Band7	10	21400	25	#0	16QAM	21.62	1.33	22.95	37	PASS

NVNT	Band7	10	21400	25	#Mid	16QAM	21.65	1.33	22.98	37	PASS
NVNT	Band7	10	21400	25	#Max	16QAM	21.59	1.33	22.92	37	PASS
NVNT	Band7	10	21400	50	#0	16QAM	21.60	1.33	22.93	37	PASS
NVNT	Band7	15	20825	1	#0	QPSK	20.59	1.33	21.92	37	PASS
NVNT	Band7	15	20825	1	#Mid	QPSK	20.60	1.33	21.93	37	PASS
NVNT	Band7	15	20825	1	#Max	QPSK	20.41	1.33	21.74	37	PASS
NVNT	Band7	15	20825	36	#0	QPSK	20.61	1.33	21.94	37	PASS
NVNT	Band7	15	20825	36	#Mid	QPSK	20.59	1.33	21.92	37	PASS
NVNT	Band7	15	20825	36	#Max	QPSK	20.48	1.33	21.81	37	PASS
NVNT	Band7	15	20825	75	#0	QPSK	20.57	1.33	21.90	37	PASS
NVNT	Band7	15	20825	1	#0	16QAM	20.51	1.33	21.84	37	PASS
NVNT	Band7	15	20825	1	#Mid	16QAM	20.54	1.33	21.87	37	PASS
NVNT	Band7	15	20825	1	#Max	16QAM	20.38	1.33	21.71	37	PASS
NVNT	Band7	15	20825	36	#0	16QAM	22.46	1.33	23.79	37	PASS
NVNT	Band7	15	20825	36	#Mid	16QAM	22.48	1.33	23.81	37	PASS
NVNT	Band7	15	20825	36	#Max	16QAM	22.41	1.33	23.74	37	PASS
NVNT	Band7	15	20825	75	#0	16QAM	22.49	1.33	23.82	37	PASS
NVNT	Band7	15	21100	1	#0	QPSK	20.07	1.33	21.40	37	PASS
NVNT	Band7	15	21100	1	#Mid	QPSK	20.00	1.33	21.33	37	PASS
NVNT	Band7	15	21100	1	#Max	QPSK	20.81	1.33	21.14	37	PASS
NVNT	Band7	15	21100	36	#0	QPSK	20.02	1.33	21.35	37	PASS
NVNT	Band7	15	21100	36	#Mid	QPSK	20.04	1.33	21.37	37	PASS
NVNT	Band7	15	21100	36	#Max	QPSK	22.98	1.33	24.31	37	PASS
NVNT	Band7	15	21100	75	#0	QPSK	20.03	1.33	21.36	37	PASS
NVNT	Band7	15	21100	1	#0	16QAM	20.23	1.33	21.56	37	PASS
NVNT	Band7	15	21100	1	#Mid	16QAM	20.16	1.33	21.49	37	PASS
NVNT	Band7	15	21100	1	#Max	16QAM	20.00	1.33	21.33	37	PASS
NVNT	Band7	15	21100	36	#0	16QAM	21.96	1.33	23.29	37	PASS
NVNT	Band7	15	21100	36	#Mid	16QAM	22.00	1.33	23.33	37	PASS
NVNT	Band7	15	21100	36	#Max	16QAM	21.89	1.33	23.22	37	PASS
NVNT	Band7	15	21100	75	#0	16QAM	21.91	1.33	23.24	37	PASS
NVNT	Band7	15	21375	1	#0	QPSK	20.63	1.33	21.96	37	PASS
NVNT	Band7	15	21375	1	#Mid	QPSK	20.66	1.33	21.99	37	PASS
NVNT	Band7	15	21375	1	#Max	QPSK	20.59	1.33	21.92	37	PASS
NVNT	Band7	15	21375	36	#0	QPSK	22.70	1.33	24.03	37	PASS
NVNT	Band7	15	21375	36	#Mid	QPSK	22.73	1.33	24.06	37	PASS
NVNT	Band7	15	21375	36	#Max	QPSK	22.70	1.33	24.03	37	PASS
NVNT	Band7	15	21375	75	#0	QPSK	22.69	1.33	24.02	37	PASS
NVNT	Band7	15	21375	1	#0	16QAM	22.70	1.33	24.03	37	PASS
NVNT	Band7	15	21375	1	#Mid	16QAM	22.72	1.33	24.05	37	PASS
NVNT	Band7	15	21375	1	#Max	16QAM	22.62	1.33	23.95	37	PASS
NVNT	Band7	15	21375	36	#0	16QAM	21.68	1.33	23.01	37	PASS
NVNT	Band7	15	21375	36	#Mid	16QAM	21.74	1.33	23.07	37	PASS

NVNT	Band7	15	21375	36	#Max	16QAM	21.68	1.33	23.01	37	PASS
NVNT	Band7	15	21375	75	#0	16QAM	21.62	1.33	22.95	37	PASS
NVNT	Band7	20	20850	1	#0	QPSK	20.42	1.33	21.75	37	PASS
NVNT	Band7	20	20850	1	#Mid	QPSK	20.53	1.33	21.86	37	PASS
NVNT	Band7	20	20850	1	#Max	QPSK	20.24	1.33	21.57	37	PASS
NVNT	Band7	20	20850	50	#0	QPSK	20.46	1.33	21.79	37	PASS
NVNT	Band7	20	20850	50	#Mid	QPSK	20.44	1.33	21.77	37	PASS
NVNT	Band7	20	20850	50	#Max	QPSK	20.29	1.33	21.62	37	PASS
NVNT	Band7	20	20850	100	#0	QPSK	20.34	1.33	21.67	37	PASS
NVNT	Band7	20	20850	1	#0	16QAM	20.50	1.33	21.83	37	PASS
NVNT	Band7	20	20850	1	#Mid	16QAM	20.61	1.33	21.94	37	PASS
NVNT	Band7	20	20850	1	#Max	16QAM	20.32	1.33	21.65	37	PASS
NVNT	Band7	20	20850	50	#0	16QAM	22.50	1.33	23.83	37	PASS
NVNT	Band7	20	20850	50	#Mid	16QAM	22.50	1.33	23.83	37	PASS
NVNT	Band7	20	20850	50	#Max	16QAM	22.32	1.33	23.65	37	PASS
NVNT	Band7	20	20850	100	#0	16QAM	22.34	1.33	23.67	37	PASS
NVNT	Band7	20	21100	1	#0	QPSK	20.06	1.33	21.39	37	PASS
NVNT	Band7	20	21100	1	#Mid	QPSK	20.13	1.33	21.46	37	PASS
NVNT	Band7	20	21100	1	#Max	QPSK	23.73	1.33	25.06	37	PASS
NVNT	Band7	20	21100	50	#0	QPSK	22.89	1.33	24.22	37	PASS
NVNT	Band7	20	21100	50	#Mid	QPSK	22.93	1.33	24.26	37	PASS
NVNT	Band7	20	21100	50	#Max	QPSK	22.88	1.33	24.21	37	PASS
NVNT	Band7	20	21100	100	#0	QPSK	22.85	1.33	24.18	37	PASS
NVNT	Band7	20	21100	1	#0	16QAM	20.14	1.33	21.47	37	PASS
NVNT	Band7	20	21100	1	#Mid	16QAM	20.19	1.33	21.52	37	PASS
NVNT	Band7	20	21100	1	#Max	16QAM	22.89	1.33	24.22	37	PASS
NVNT	Band7	20	21100	50	#0	16QAM	21.83	1.33	23.16	37	PASS
NVNT	Band7	20	21100	50	#Mid	16QAM	21.93	1.33	23.26	37	PASS
NVNT	Band7	20	21100	50	#Max	16QAM	21.86	1.33	23.19	37	PASS
NVNT	Band7	20	21100	100	#0	16QAM	21.82	1.33	23.15	37	PASS
NVNT	Band7	20	21350	1	#0	QPSK	20.63	1.33	21.96	37	PASS
NVNT	Band7	20	21350	1	#Mid	QPSK	20.81	1.33	21.14	37	PASS
NVNT	Band7	20	21350	1	#Max	QPSK	20.63	1.33	21.96	37	PASS
NVNT	Band7	20	21350	50	#0	QPSK	22.65	1.33	23.98	37	PASS
NVNT	Band7	20	21350	50	#Mid	QPSK	22.66	1.33	23.99	37	PASS
NVNT	Band7	20	21350	50	#Max	QPSK	22.62	1.33	23.95	37	PASS
NVNT	Band7	20	21350	100	#0	QPSK	22.63	1.33	23.96	37	PASS
NVNT	Band7	20	21350	1	#0	16QAM	22.69	1.33	24.02	37	PASS
NVNT	Band7	20	21350	1	#Mid	16QAM	22.87	1.33	24.20	37	PASS
NVNT	Band7	20	21350	1	#Max	16QAM	22.60	1.33	23.93	37	PASS
NVNT	Band7	20	21350	50	#0	16QAM	21.61	1.33	22.94	37	PASS
NVNT	Band7	20	21350	50	#Mid	16QAM	21.61	1.33	22.94	37	PASS
NVNT	Band7	20	21350	50	#Max	16QAM	21.54	1.33	22.87	37	PASS

NVNT	Band7	20	21350	100	#0	16QAM	21.58	1.33	22.91	37	PASS
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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	1Mbps	CH 01	2412	8.34	9.0
		CH 06	2437	8.77	9.0
		CH 11	2462	8.86	9.0
802.11g	6Mbps	CH 01	2412	14.34	15.0
		CH 06	2437	14.63	15.0
		CH 11	2462	14.03	15.0
802.11n-HT20	MCS0	CH 01	2412	14.19	15.0
		CH 06	2437	14.51	15.0
		CH 11	2462	13.83	15.0
802.11n-HT40	MCS0	CH 03	2422	13.58	14.0
		CH 06	2437	13.77	14.0
		CH 09	2452	13.37	14.0

Remark:

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

Bluetooth					
Test Mode	Data Rate	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up power (dBm)
GFSK	1Mbps	CH 00	2402	0.93	2.5
		CH 39	2441	2.26	2.5
		CH 78	2480	1.17	2.5
$\pi/4$ DQPSK	2Mbps	CH 00	2402	0.04	2.5
		CH 39	2441	1.40	2.5
		CH 78	2480	0.33	2.5
8DPSK	3Mbps	CH 00	2402	0.03	2.5
		CH 39	2441	1.42	2.5
		CH 78	2480	0.32	2.5

Bluetooth				
Test Mode	Data Rate	Channel	Frequency (MHz)	Conducted Power (dBm)
LE	1Mbps	CH 00	2402	-1.16
		CH 19	2440	0.25
		CH 39	2480	-0.85
	2Mbps	CH 00	2402	-1.08
		CH 19	2440	0.20
		CH 39	2480	-0.74

Remark:

Bluetooth maximum output power is 2.26dBm, 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:

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

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

Tune-Up Power (dBm)	Max. Power (mW)	Distance (mm)	Frequency (GHz)	Result	Limit
2.5	1.68	5	2.480	0.529	3

The exclusion thresholds is $0.529 < 3$, therefore, the RF exposure evaluation is not required.

9.2 Test Results for Standalone SAR Test

Body SAR

GSM850 – Body SAR Test (Gap: 0mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	GSM	Back Face	190	836.6	32.56	33.0	1.107	0.426	0.471
1.	GSM	Left Side	190	836.6	32.56	33.0	1.107	0.697	0.771
	GSM	Top Side	190	836.6	32.56	33.0	1.107	0.394	0.436
	GPRS_2TX	Back Face	190	836.6	31.23	31.5	1.064	0.210	0.223
2.	GPRS_2TX	Left Side	190	836.6	31.23	31.5	1.064	0.394	0.419
	GPRS_2TX	Top Side	190	836.6	31.23	31.5	1.064	0.246	0.262

GSM1900 – Body SAR Test (Gap: 0mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	GSM	Back Face	661	1880	31.48	32.0	1.127	0.215	0.242
	GSM	Left Side	661	1880	31.48	32.0	1.127	0.033	0.037
3.	GSM	Top Side	661	1880	31.48	32.0	1.127	0.256	0.289
	GPRS_2TX	Back Face	661	1880	29.13	29.5	1.089	0.451	0.491
	GPRS_2TX	Left Side	661	1880	29.13	29.5	1.089	0.055	0.060
4.	GPRS_2TX	Top Side	661	1880	29.13	29.5	1.089	0.506	0.551

WCDMA Band 2 – Body SAR Test (Gap: 0mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC 12.2k	Back Face	9400	1880.0	22.73	23.0	1.064	0.143	0.152
	RMC 12.2k	Left Side	9400	1880.0	22.73	23.0	1.064	0.028	0.030
5.	RMC 12.2k	Top Side	9400	1880.0	22.73	23.0	1.064	0.263	0.280

WCDMA Band 5 – Body SAR Test (Gap: 0mm)									
Plot No.	Mode	Test Position	Frequency		Output Power (dBm)	Rated Limit (dBm)	Scaling Factor	SAR1g (W/kg)	Scaled SAR1g (W/kg)
			CH.	MHz					
	RMC 12.2k	Back Face	4233	846.6	23.65	24.0	1.084	0.437	0.474
6.	RMC 12.2k	Left Side	4233	846.6	23.65	24.0	1.084	0.648	0.702
	RMC 12.2k	Top Side	4233	846.6	23.65	24.0	1.084	0.498	0.540

LTE Band 2–Body SAR Test (Gap: 0mm)								
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 Face	1900	22.72	23.5	1.197	0.279	0.334
	QPSK 20MHz 1RB	Left Side	1900	22.72	23.5	1.197	0.039	0.047
7.	QPSK 20MHz 1RB	Top Side	1900	22.72	23.5	1.197	0.380	0.455
	QPSK 20MHz 50%RB	Back Face	1900	22.72	23.5	1.197	0.268	0.321
	QPSK 20MHz 50%RB	Left Side	1900	22.72	23.5	1.197	0.037	0.044
	QPSK 20MHz 50%RB	Top Side	1900	22.72	23.5	1.197	0.365	0.437
	QPSK 1.4MHz 1RB	Back Face	1850.7	22.99	23.5	1.125	0.246	0.277
	QPSK 1.4MHz 1RB	Left Side	1850.7	22.99	23.5	1.125	0.036	0.040
	QPSK 1.4MHz 1RB	Top Side	1850.7	22.99	23.5	1.125	0.394	0.443
	QPSK 1.4MHz 1RB	Back Face	1850.7	22.99	23.5	1.125	0.231	0.260
	QPSK 1.4MHz 1RB	Left Side	1850.7	22.99	23.5	1.125	0.026	0.029
	QPSK 1.4MHz 1RB	Top Side	1850.7	22.99	23.5	1.125	0.376	0.423

LTE Band 4–Body SAR Test (Gap: 0mm)								
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 Face	1745	22.98	23.5	1.127	0.346	0.390
	QPSK 20MHz 1RB	Left Side	1745	22.98	23.5	1.127	0.076	0.086
8.	QPSK 20MHz 1RB	Top Side	1745	22.98	23.5	1.127	0.594	0.670
	QPSK 20MHz 50%RB	Back Face	1745	22.98	23.5	1.127	0.321	0.362
	QPSK 20MHz 50%RB	Left Side	1745	22.98	23.5	1.127	0.062	0.070
	QPSK 20MHz 50%RB	Top Side	1745	22.98	23.5	1.127	0.576	0.649

LTE Band 7–Body SAR Test (Gap: 0mm)								
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					
9.	QPSK 20MHz 1RB	Back Face	2535	23.73	24.0	1.064	0.394	0.419
	QPSK 20MHz 1RB	Left Side	2535	23.73	24.0	1.064	0.149	0.159
	QPSK 20MHz 1RB	Top Side	2535	23.73	24.0	1.064	0.338	0.360
	QPSK 20MHz 50%RB	Back Face	2535	23.73	24.0	1.064	0.373	0.397
	QPSK 20MHz 50%RB	Left Side	2535	23.73	24.0	1.064	0.135	0.144
	QPSK 20MHz 50%RB	Top Side	2535	23.73	24.0	1.064	0.320	0.341

WLAN 2.4GHz –Body SAR Test(Gap: 0mm)									
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	CH 11	2462	8.86	9.0	1.033	0.068	0.070
	802.11b	Top Side	CH 11	2462	8.86	9.0	1.033	0.082	0.085
	802.11g	Back Face	CH 06	2437	14.63	15.0	1.089	0.193	0.210
10.	802.11g	Top Side	CH 06	2437	14.63	15.0	1.089	0.226	0.246

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.

9.3 Simultaneous Multi-band Transmission SAR Analysis

List of Mode for Simultaneous Multi-band Transmission

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

Remark:

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

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

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

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

Bluetooth:

Tune-Up Power (dBm)	Max. Power (mW)	Distance (mm)	Frequency (GHz)	X	SAR(1g) 5mm
2.5	1.68	5/10	2.480	7.5	0.071

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

Body SAR**WWAN and WLAN**

	WWAN		WLAN(2.4GHz)	Summed SAR (W/kg)
Position	Band	Scaled SAR (W/kg)	Scaled SAR (W/kg)	
Back	GSM	0.491	0.210	0.701
Front	GSM	/	/	/
Right side	GSM	/	/	/
Left side	GSM	0.771	/	0.771
Top side	GSM	0.551	0.246	0.797
Bottom side	GSM	/	/	/
Back	WCDMA	0.474	0.210	0.684
Front	WCDMA	/	/	/
Right side	WCDMA	/	/	/
Left side	WCDMA	0.702	/	0.702
Top side	WCDMA	0.540	0.246	0.786
Bottom side	WCDMA	/	/	/
Back	LTE	0.419	0.210	0.629
Front	LTE	/	/	/
Right side	LTE	/	/	/
Left side	LTE	0.159	/	0.159
Top side	LTE	0.670	0.246	0.916
Bottom side	LTE	/	/	/

Note:

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

10. Measurement Uncertainty

10.1 Uncertainty for SAR Test

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

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

Annex A. Plots of System Performance Check

MEASUREMENT 1

Type: Validation measurement
Date of measurement: 2026-07-04
Measurement duration: 15 minutes 50 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.45; Calibrated: 2026-03-03

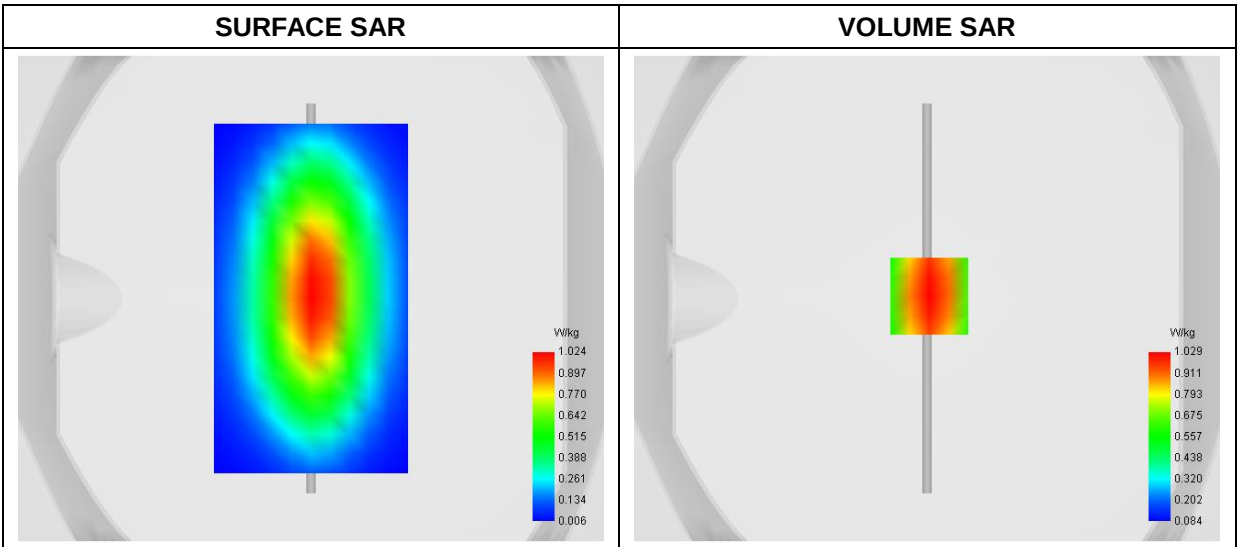
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	CW835
Signal	CW (Crest factor: 1.0)

B. SAR Measurement Results

Frequency (MHz)	835.000000
Relative Permittivity (real part)	40.872387
Conductivity (S/m)	0.923826
Ambient Temperature	22.8
Liquid Temperature	22.8

C. SAR Surface and Volume



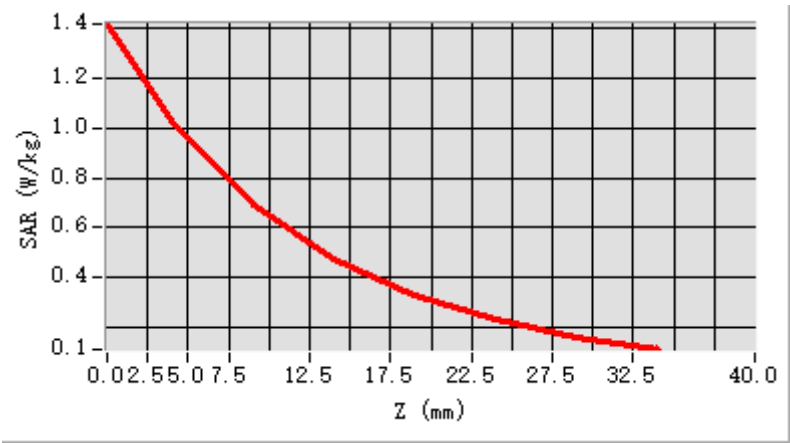
Maximum location: X=1.00, Y=1.00 ; SAR Peak: 1.41 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.636
SAR 1g (W/Kg)	0.985
Variation (%)	-0.260
Horizontal validation criteria: minimum distance (mm)	16.014114
Vertical validation criteria: SAR ratio M2/M1 (%)	59.037145

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.420	1.029	0.691	0.475	0.325	0.227	0.155



MEASUREMENT 2

Type: Validation measurement
Date of measurement: 2026-08-15
Measurement duration: 25 minutes 31 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.24; Calibrated: 2026-03-03

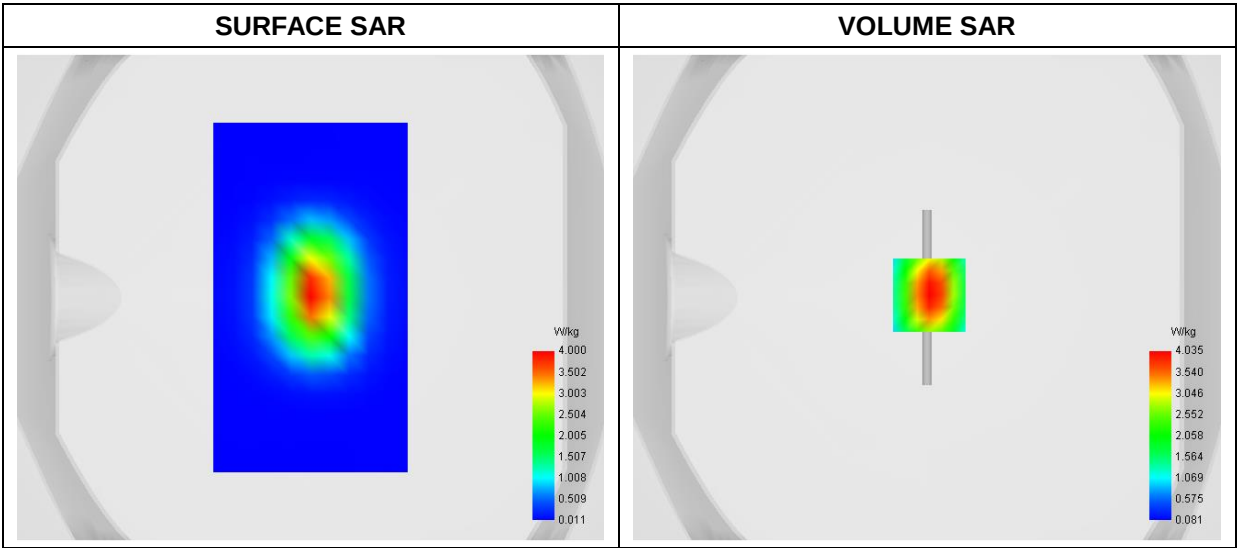
A. Experimental conditions

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)	40.742585
Conductivity (S/m)	1.433812
Ambient Temperature	22.6
Liquid Temperature	22.6

C. SAR Surface and Volume



Maximum location: X=1.00, Y=1.00 ; SAR Peak: 6.37 W/kg

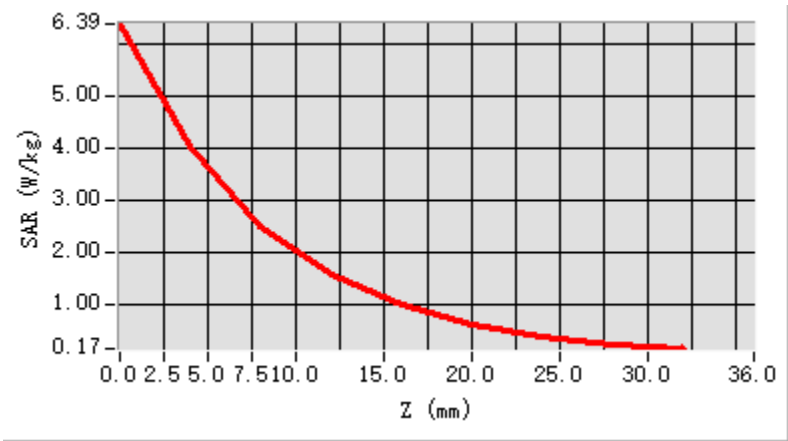
D. SAR 1g & 10g

SAR 10g (W/Kg)	1.970
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SAR 1g (W/Kg)	3.753
Variation (%)	0.110
Horizontal validation criteria: minimum distance (mm)	14.142136
Vertical validation criteria: SAR ratio M2/M1 (%)	62.153516

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00
SAR (W/Kg)	6.392	4.035	2.508	1.585	1.018	0.646	0.409	0.259



MEASUREMENT 3

Type: Validation measurement
Date of measurement: 2026-08-12
Measurement duration: 25 minutes 31 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.24; Calibrated: 2026-03-03

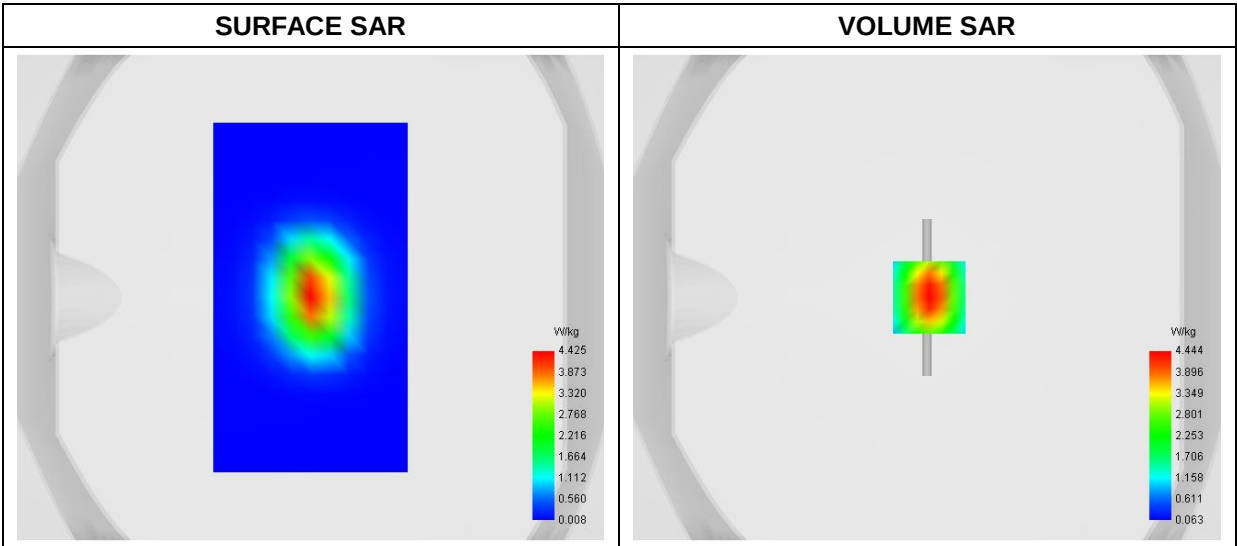
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Signal	CW (Crest factor: 1.0)

B. SAR Measurement Results

Frequency (MHz)	1900.000000
Relative Permittivity (real part)	41.163268
Conductivity (S/m)	1.421748
Ambient Temperature	22.6
Liquid Temperature	22.6

C. SAR Surface and Volume



Maximum location: X=1.00, Y=0.00 ; SAR Peak: 7.11 W/kg

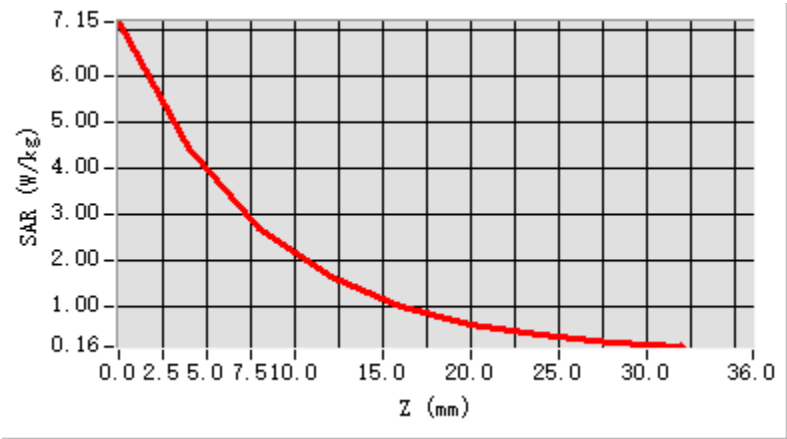
D. SAR 1g & 10g

SAR 10g (W/Kg)	2.076
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SAR 1g (W/Kg)	4.105
Variation (%)	-0.200
Horizontal validation criteria: minimum distance (mm)	14.142136
Vertical validation criteria: SAR ratio M2/M1 (%)	60.679430

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00
SAR (W/Kg)	7.152	4.444	2.697	1.670	1.036	0.639	0.394	0.243



MEASUREMENT 4

Type: Validation measurement
Date of measurement: 2026-08-14
Measurement duration: 25 minutes 31 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.73; Calibrated: 2026-03-03

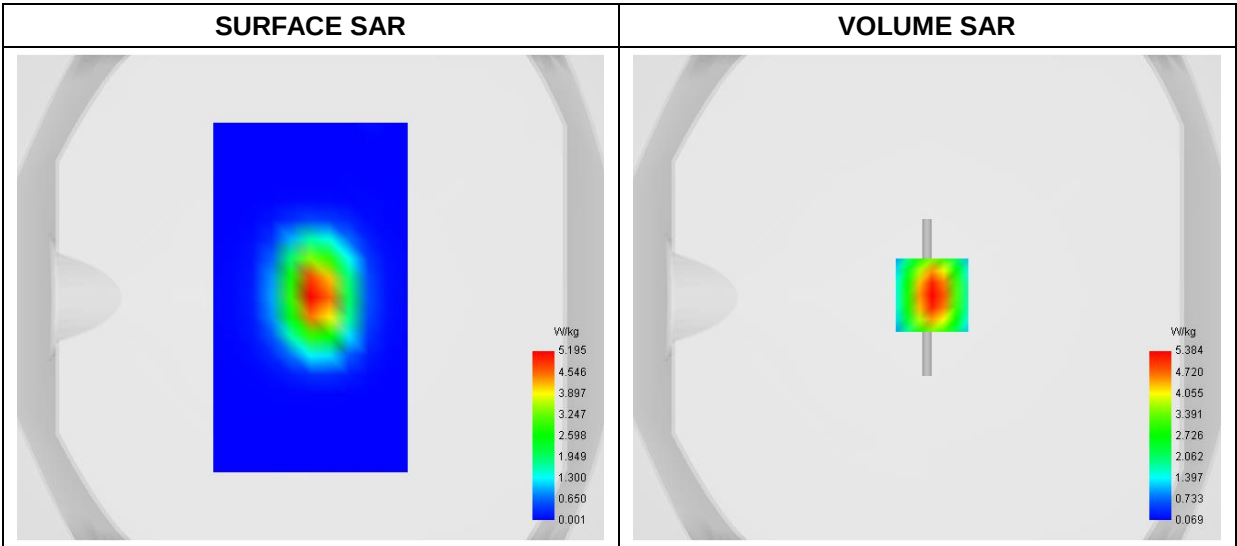
A. Experimental conditions

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

B. SAR Measurement Results

Frequency (MHz)	2450.000000
Relative Permittivity (real part)	40.122143
Conductivity (S/m)	1.832578
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



Maximum location: X=2.00, Y=1.00 ; SAR Peak: 8.76 W/kg

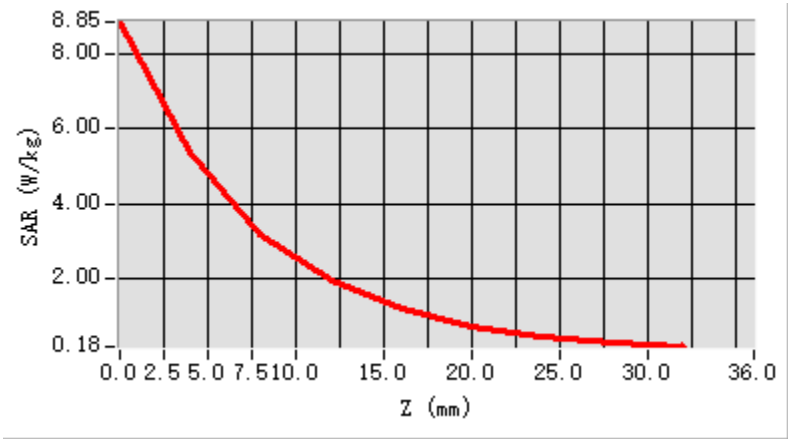
D. SAR 1g & 10g

SAR 10g (W/Kg)	2.448
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SAR 1g (W/Kg)	4.958
Variation (%)	-0.100
Horizontal validation criteria: minimum distance (mm)	14.142136
Vertical validation criteria: SAR ratio M2/M1 (%)	59.248201

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00
SAR (W/Kg)	8.849	5.384	3.190	1.951	1.198	0.728	0.443	0.269



MEASUREMENT 5

Type: Validation measurement
Date of measurement: 2026-08-13
Measurement duration: 25 minutes 31 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.65; Calibrated: 2026-03-03

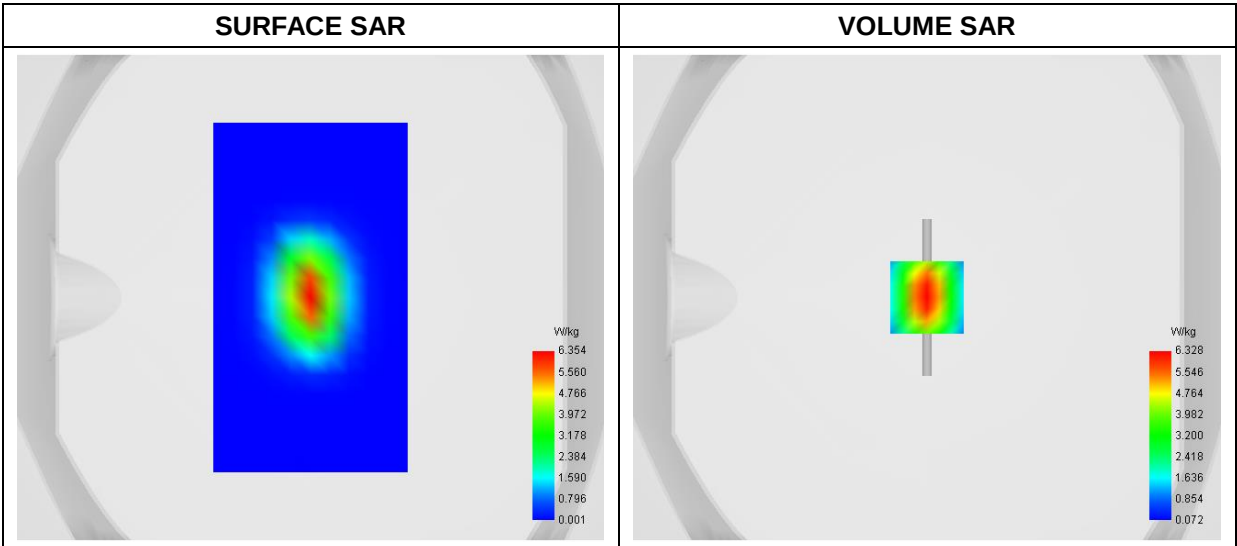
A. Experimental conditions

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

B. SAR Measurement Results

Frequency (MHz)	2600.000000
Relative Permittivity (real part)	40.783538
Conductivity (S/m)	2.012574
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



Maximum location: X=0.00, Y=0.00 ; SAR Peak: 10.54 W/kg

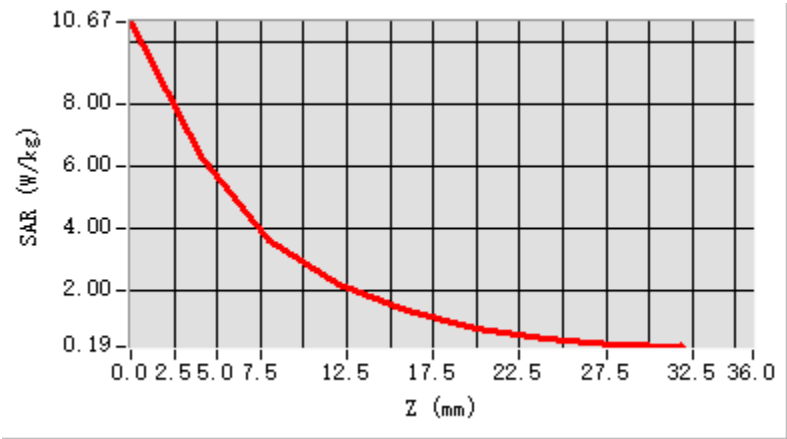
D. SAR 1g & 10g

SAR 10g (W/Kg)	2.719
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SAR 1g (W/Kg)	5.791
Variation (%)	-0.130
Horizontal validation criteria: minimum distance (mm)	11.180340
Vertical validation criteria: SAR ratio M2/M1 (%)	57.588930

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00
SAR (W/Kg)	10.667	6.328	3.644	2.174	1.323	0.789	0.471	0.281



Annex B. Plots of SAR Measurement

MEASUREMENT 1

Type: Measurement (Complete)
Date of measurement: 2026-07-04
Measurement duration: 15 minutes 50 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.45; Calibrated: 2026-03-03

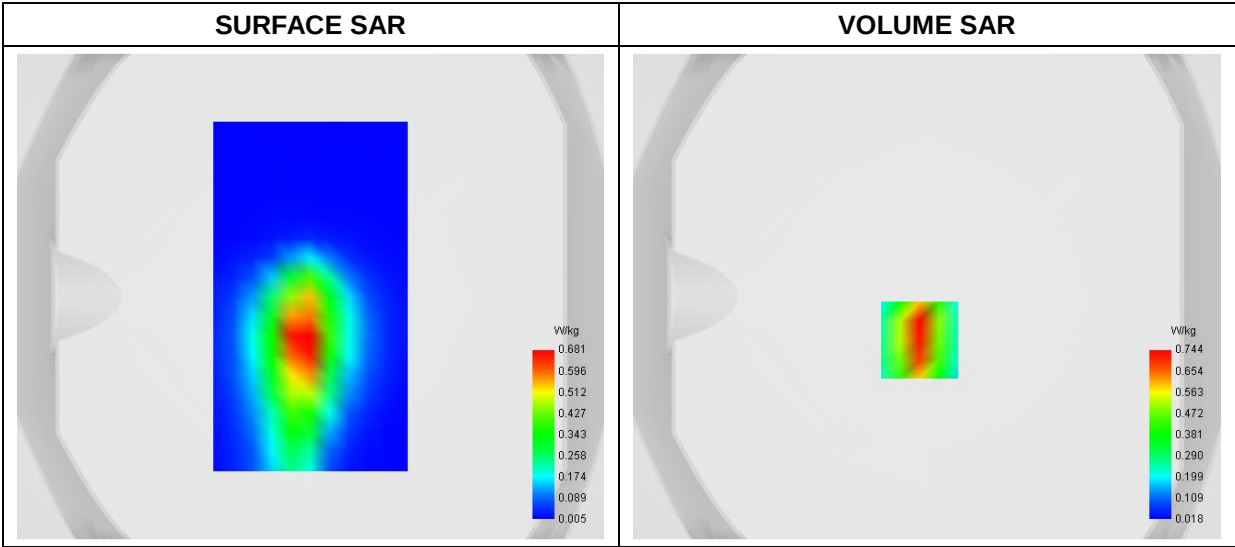
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat Plane
Device Position	Left
Band	GSM900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

B. SAR Measurement Results

Frequency (MHz)	836.600000
Relative Permittivity (real part)	40.870245
Conductivity (S/m)	0.921245
Ambient Temperature	22.8
Liquid Temperature	22.8

C. SAR Surface and Volume



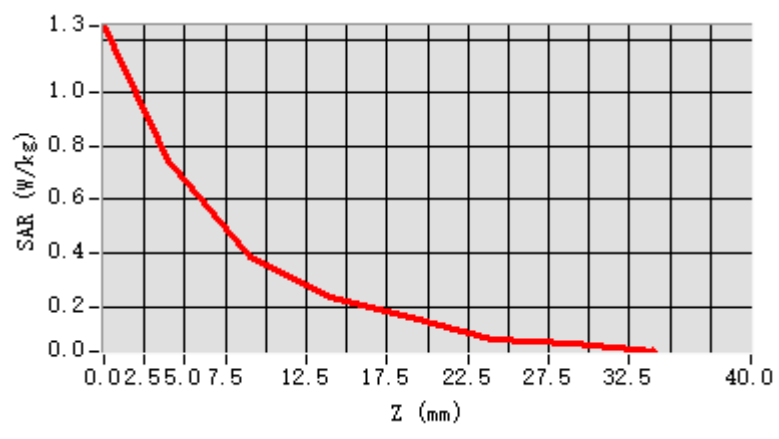
Maximum location: X=-3.00, Y=-18.00 ; SAR Peak: 1.25 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.356
SAR 1g (W/Kg)	0.697
Variation (%)	-1.980
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.298458

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.250	0.744	0.387	0.239	0.162	0.079	0.063



MEASUREMENT 2

Type: Measurement (Complete)
Date of measurement: 2026-07-04
Measurement duration: 15 minutes 50 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.45; Calibrated: 2026-03-03

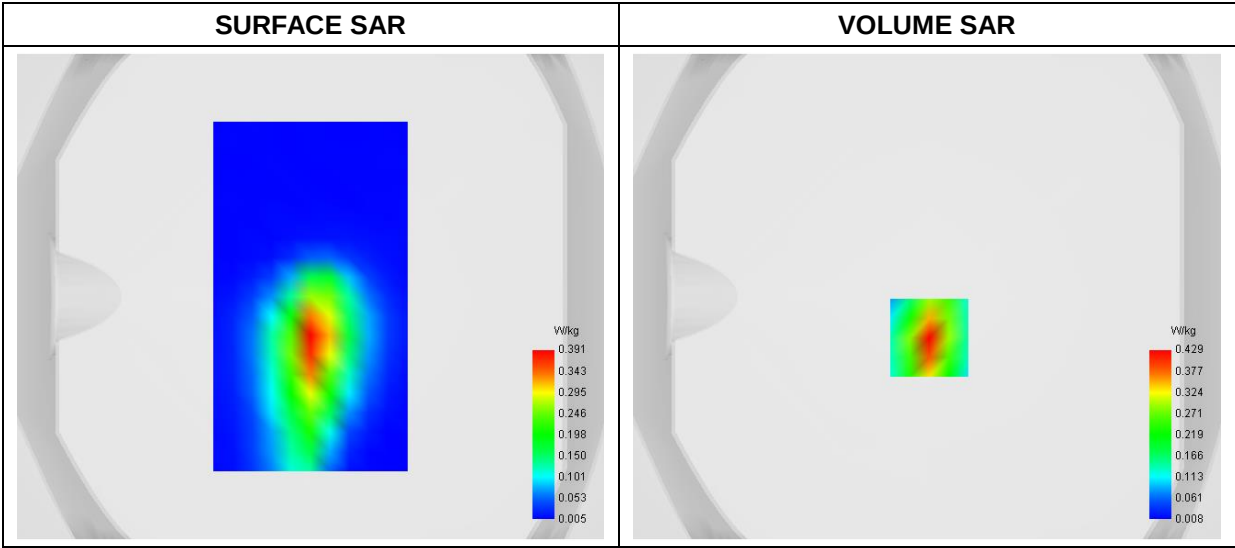
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat Plane
Device Position	Left
Band	GPRS900_2TX
Channels	Middle
Signal	Duty Cycle: 1:4

B. SAR Measurement Results

Frequency (MHz)	836.600000
Relative Permittivity (real part)	40.870245
Conductivity (S/m)	0.921245
Ambient Temperature	22.8
Liquid Temperature	22.8

C. SAR Surface and Volume



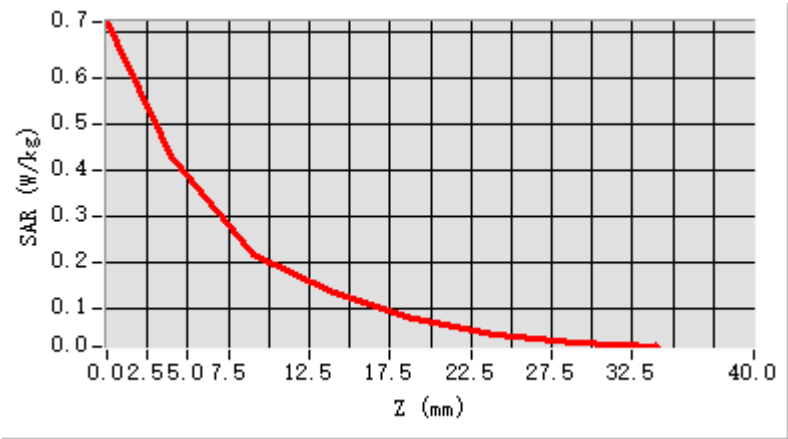
Maximum location: X=1.00, Y=-17.00 ; SAR Peak: 0.71 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.192
SAR 1g (W/Kg)	0.394
Variation (%)	0.210
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	51.081539

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.723	0.429	0.219	0.135	0.077	0.044	0.025



MEASUREMENT 3

Type: Measurement (Complete)
Date of measurement: 2026-08-15
Measurement duration: 25 minutes 31 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.24; Calibrated: 2026-03-03

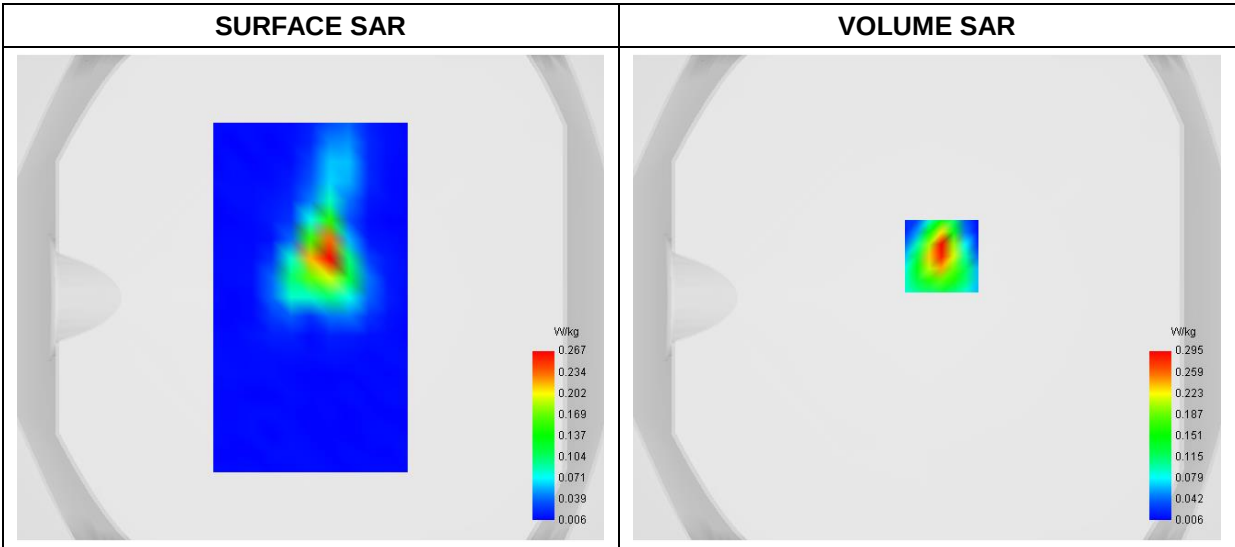
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Top
Band	GSM1800
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

B. SAR Measurement Results

Frequency (MHz)	1880.00000
Relative Permittivity (real part)	40.744246
Conductivity (S/m)	1.434369
Ambient Temperature	22.6
Liquid Temperature	22.6

C. SAR Surface and Volume



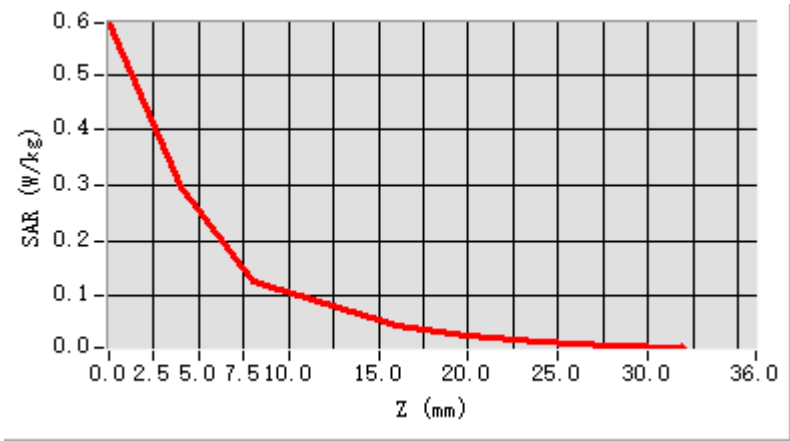
Maximum location: X=6.00, Y=17.00 ; SAR Peak: 0.57 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.103
SAR 1g (W/Kg)	0.256
Variation (%)	-0.530
Horizontal validation criteria: minimum distance (mm)	7.071068
Vertical validation criteria: SAR ratio M2/M1 (%)	49.558964

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00
SAR (W/Kg)	0.593	0.295	0.126	0.088	0.048	0.028	0.017	0.009



MEASUREMENT 4

Type: Measurement (Complete)
Date of measurement: 2026-08-15
Measurement duration: 25 minutes 31 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.24; Calibrated: 2026-03-03

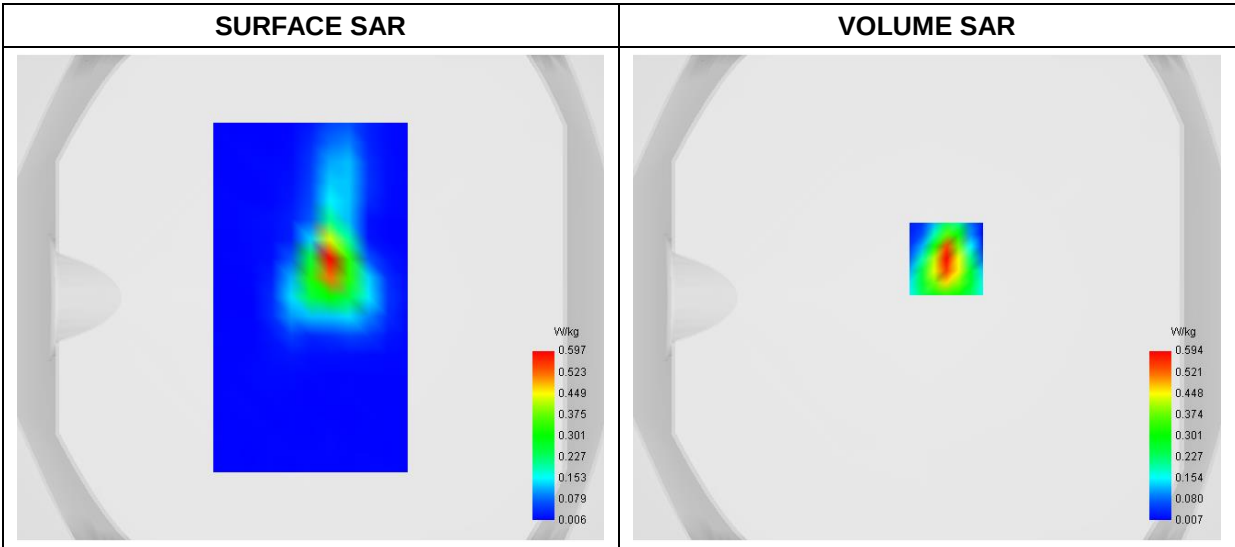
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Top
Band	GPRS1800_2TX
Channels	Middle
Signal	Duty Cycle: 1:4

B. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative Permittivity (real part)	40.744246
Conductivity (S/m)	1.434369
Ambient Temperature	22.6
Liquid Temperature	22.6

C. SAR Surface and Volume



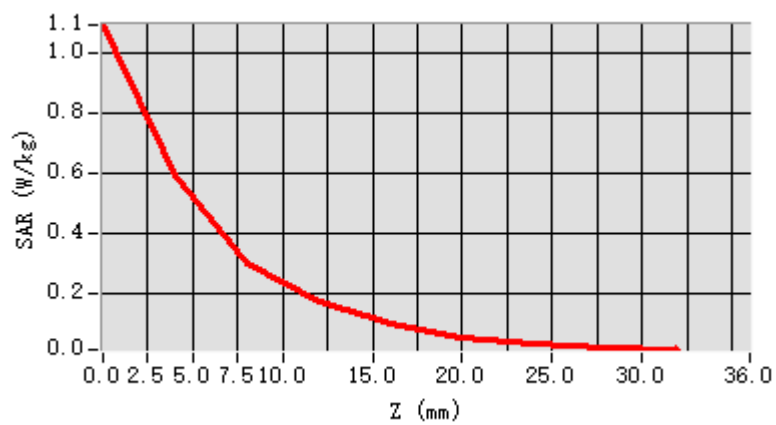
Maximum location: X=8.00, Y=16.00 ; SAR Peak: 1.12 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.202
SAR 1g (W/Kg)	0.506
Variation (%)	0.170
Horizontal validation criteria: minimum distance (mm)	10.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	50.429587

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00
SAR (W/Kg)	1.094	0.594	0.299	0.173	0.095	0.052	0.028	0.016



MEASUREMENT 5

Type: Measurement (Complete)
Date of measurement: 2026-08-15
Measurement duration: 25 minutes 31 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.24; Calibrated: 2026-03-03

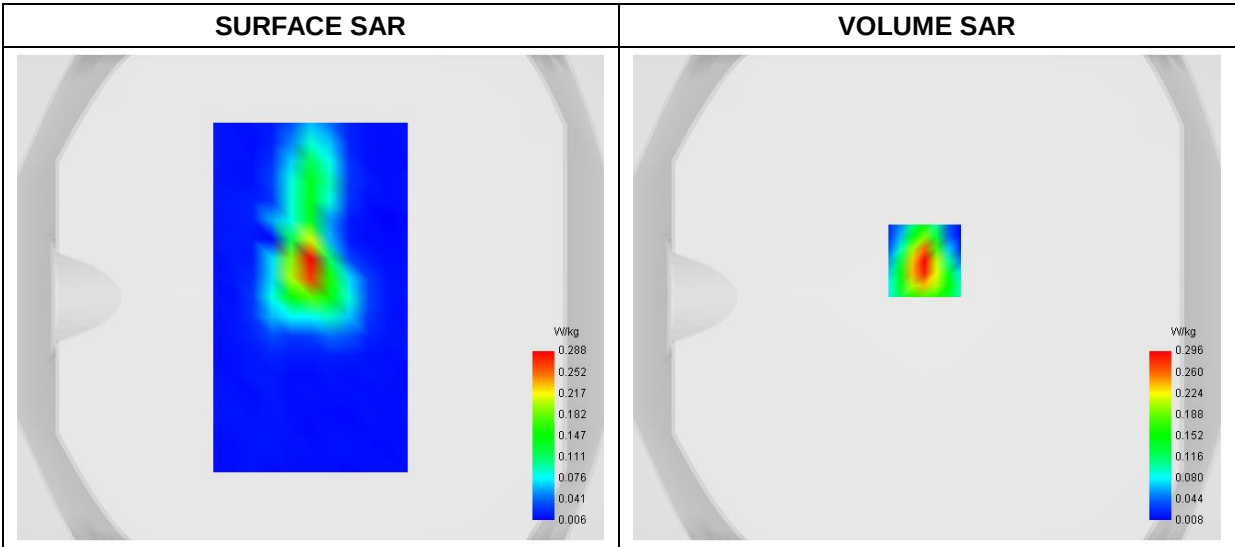
A. Experimental conditions

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

B. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative Permittivity (real part)	40.744246
Conductivity (S/m)	1.434369
Ambient Temperature	22.6
Liquid Temperature	22.6

C. SAR Surface and Volume



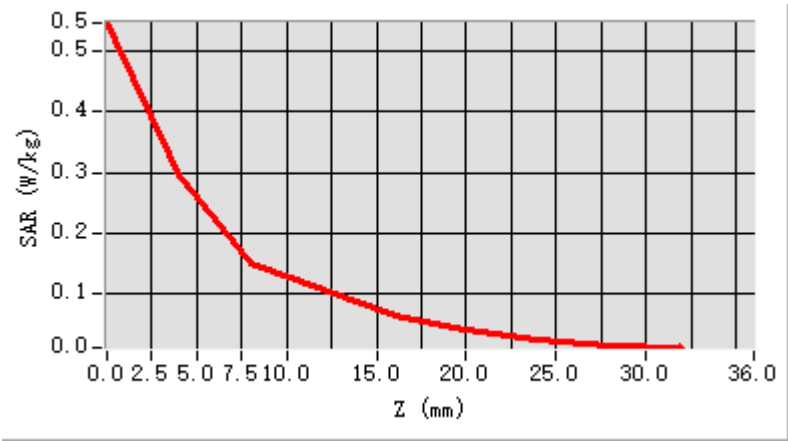
Maximum location: X=-1.00, Y=15.00 ; SAR Peak: 0.53 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.114
SAR 1g (W/Kg)	0.263
Variation (%)	-0.820
Horizontal validation criteria: minimum distance (mm)	10.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	51.786430

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00
SAR (W/Kg)	0.545	0.296	0.151	0.107	0.066	0.041	0.025	0.016



MEASUREMENT 6

Type: Measurement (Complete)
Date of measurement: 2026-07-04
Measurement duration: 15 minutes 50 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.45; Calibrated: 2026-03-03

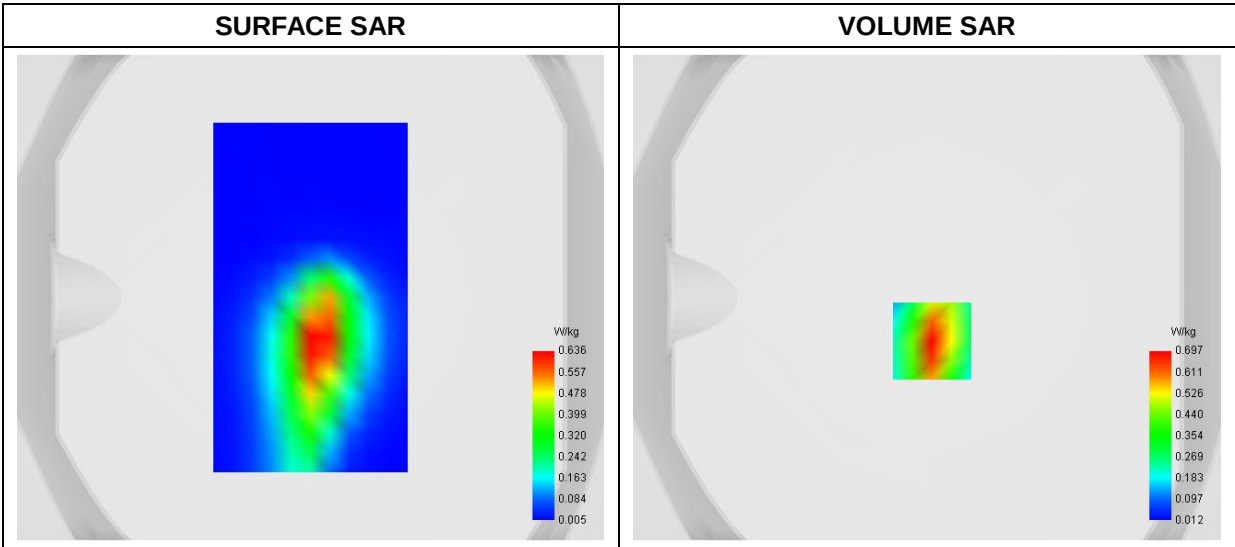
A. Experimental conditions

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

B. SAR Measurement Results

Frequency (MHz)	846.600000
Relative Permittivity (real part)	40.872759
Conductivity (S/m)	0.921409
Ambient Temperature	22.8
Liquid Temperature	22.8

C. SAR Surface and Volume



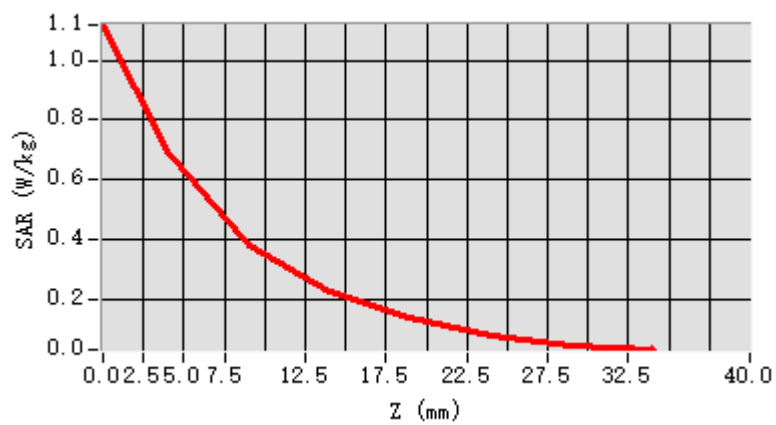
Maximum location: X=2.00, Y=-18.00 ; SAR Peak: 1.11 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.335
SAR 1g (W/Kg)	0.648
Variation (%)	6.520
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.045890

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.118	0.697	0.384	0.227	0.138	0.081	0.048



MEASUREMENT 7

Type: Measurement (Complete)
Date of measurement: 2023-12-29
Measurement duration: 25 minutes 31 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.63; Calibrated: 2026-03-03

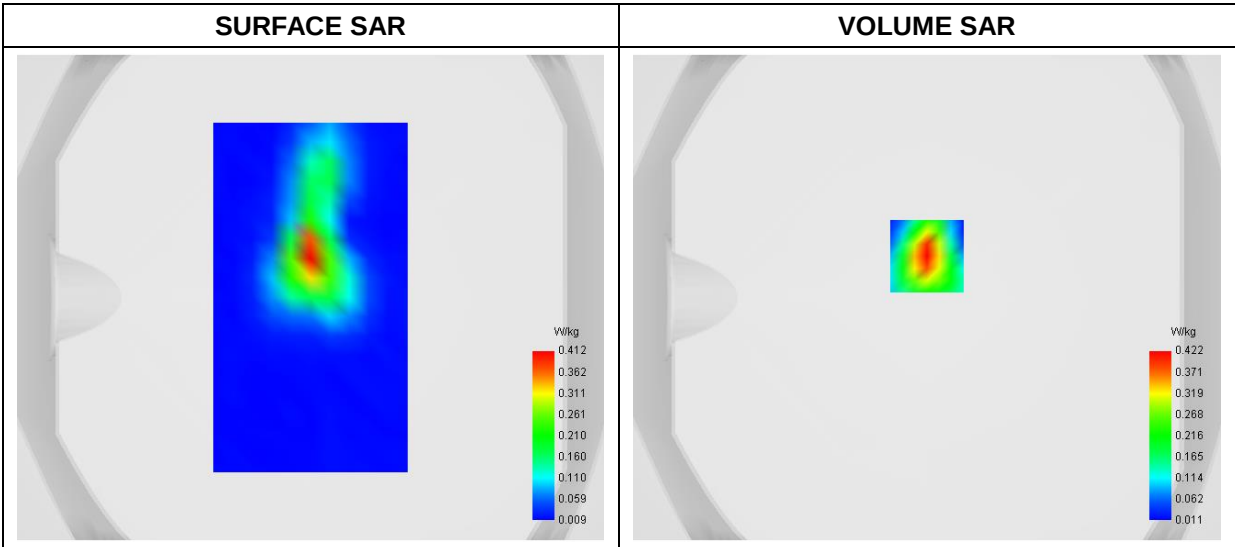
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Top
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)	41.163268
Conductivity (S/m)	1.421748
Ambient Temperature	22.6
Liquid Temperature	22.6

C. SAR Surface and Volume



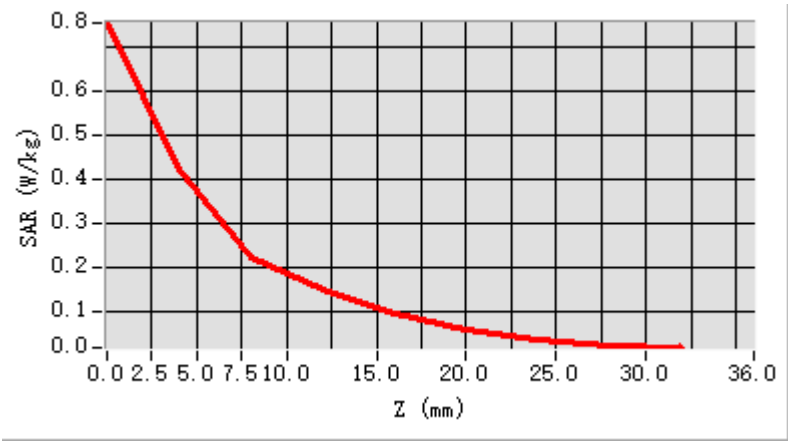
Maximum location: X=0.00, Y=17.00 ; SAR Peak: 0.76 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.168
SAR 1g (W/Kg)	0.380
Variation (%)	0.880
Horizontal validation criteria: minimum distance (mm)	10.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	52.831950

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00
SAR (W/Kg)	0.756	0.422	0.223	0.150	0.091	0.056	0.034	0.021



MEASUREMENT 8

Type: Measurement (Complete)
Date of measurement: 2026-08-15
Measurement duration: 25 minutes 31 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.24; Calibrated: 2026-03-03

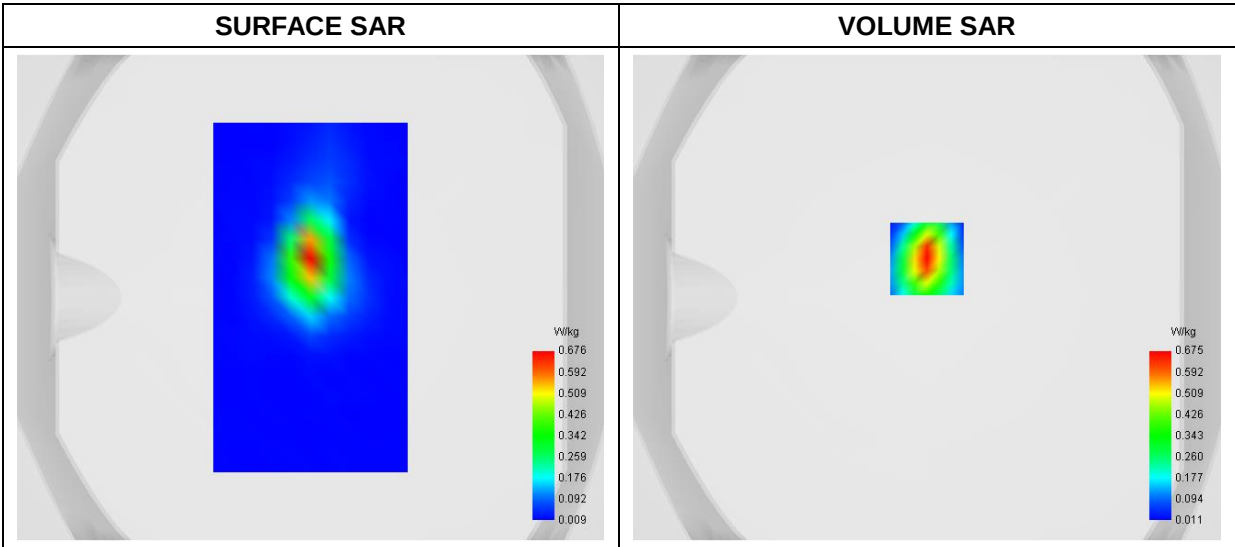
A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=5mm dy=5mm dz=4mm
Phantom	Flat Plane
Device Position	Top
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)	40.742756
Conductivity (S/m)	1.431798
Ambient Temperature	22.6
Liquid Temperature	22.6

C. SAR Surface and Volume



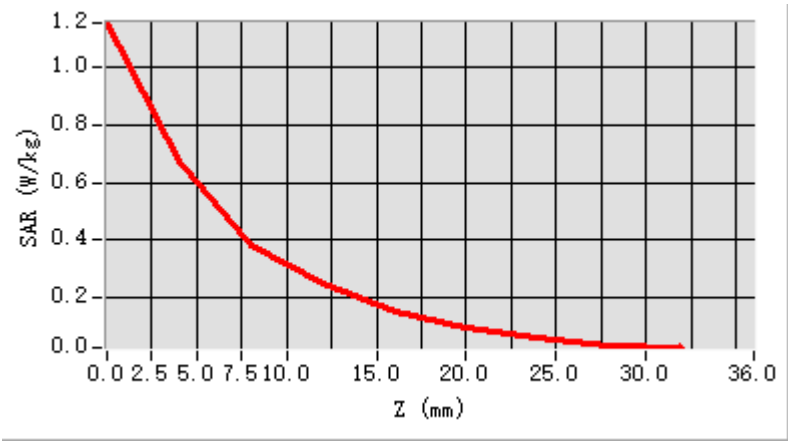
Maximum location: X=0.00, Y=16.00 ; SAR Peak: 1.15 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.260
SAR 1g (W/Kg)	0.594
Variation (%)	0.310
Horizontal validation criteria: minimum distance (mm)	10.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	56.025177

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00
SAR (W/Kg)	1.157	0.675	0.378	0.244	0.149	0.091	0.055	0.034



MEASUREMENT 9

Type: Measurement (Complete)
Date of measurement: 2026-08-13
Measurement duration: 25 minutes 31 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.65; Calibrated: 2026-03-03

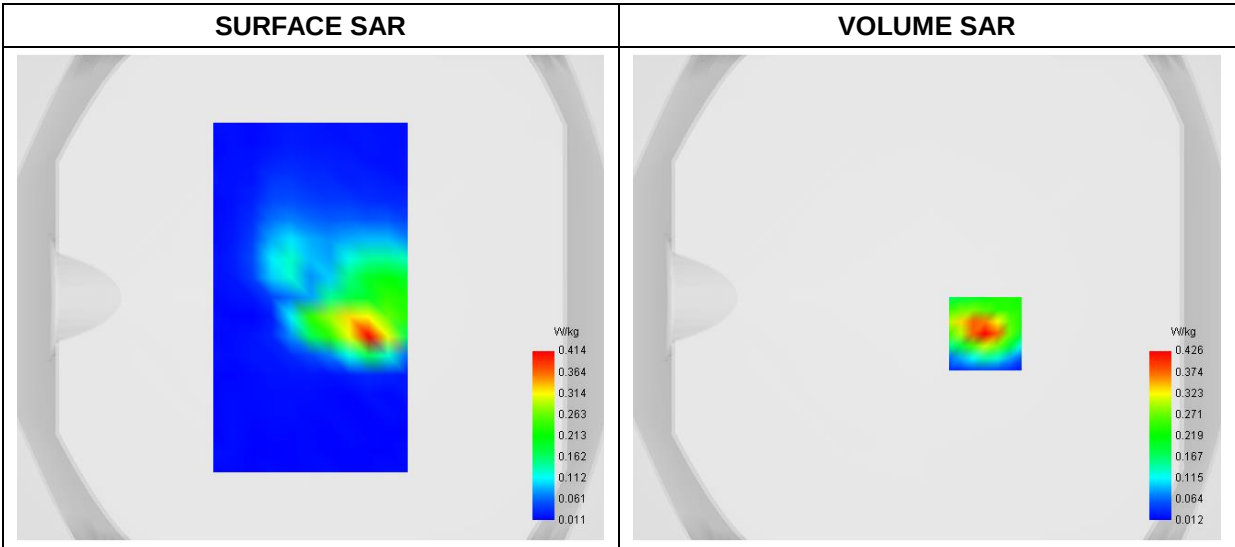
A. Experimental conditions

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

B. SAR Measurement Results

Frequency (MHz)	2535.000000
Relative Permittivity (real part)	40.781667
Conductivity (S/m)	2.021718
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



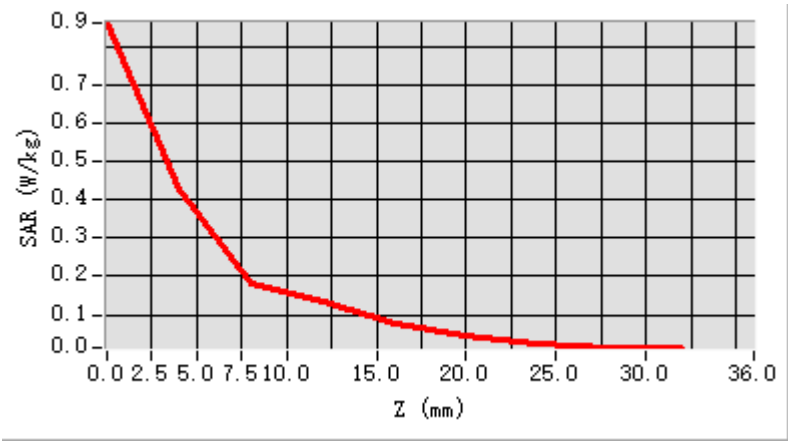
Maximum location: X=24.00, Y=-15.00 ; SAR Peak: 0.84 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.164
SAR 1g (W/Kg)	0.394
Variation (%)	-14.480
Horizontal validation criteria: minimum distance (mm)	10.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	42.751405

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00
SAR (W/Kg)	0.862	0.426	0.182	0.133	0.077	0.045	0.026	0.015



MEASUREMENT 10

Type: Measurement (Complete)
Date of measurement: 2026-08-14
Measurement duration: 25 minutes 31 seconds
E-field Probe: SSE2 - 0725-EPGO-446; ConvF: 1.73; Calibrated: 2026-03-03

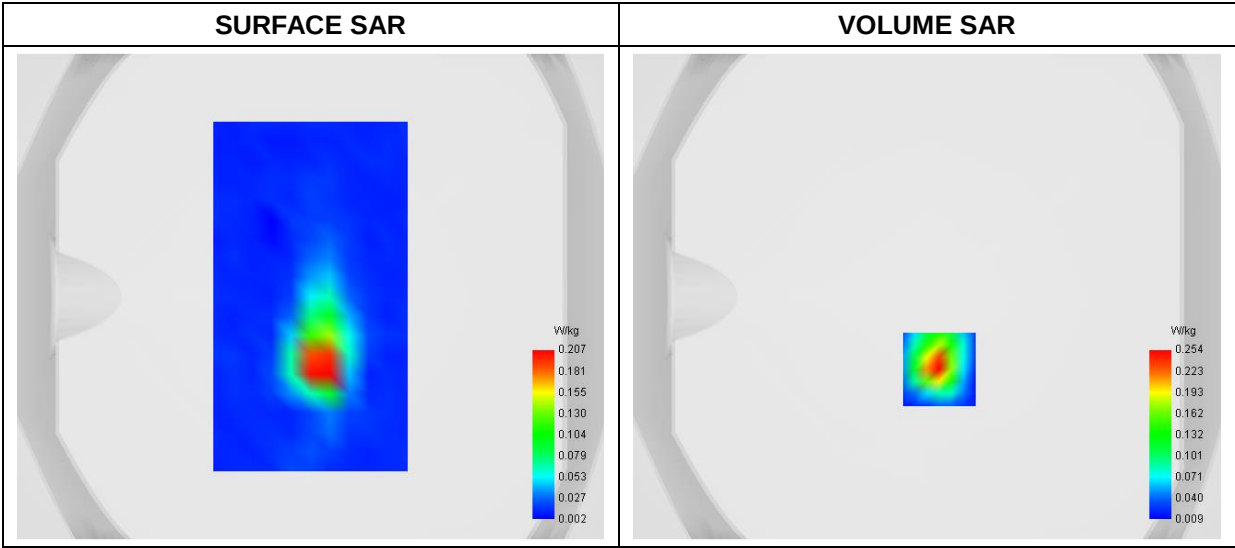
A. Experimental conditions

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

B. SAR Measurement Results

Frequency (MHz)	2437.000000
Relative Permittivity (real part)	40.122285
Conductivity (S/m)	1.834285
Ambient Temperature	22.5
Liquid Temperature	22.5

C. SAR Surface and Volume



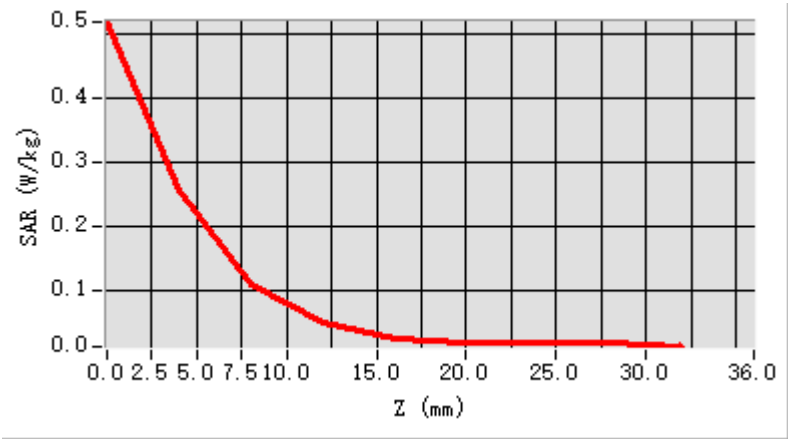
Maximum location: X=5.00, Y=-30.00 ; SAR Peak: 0.51 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.080
SAR 1g (W/Kg)	0.226
Variation (%)	2.240
Horizontal validation criteria: minimum distance (mm)	10.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	42.152932

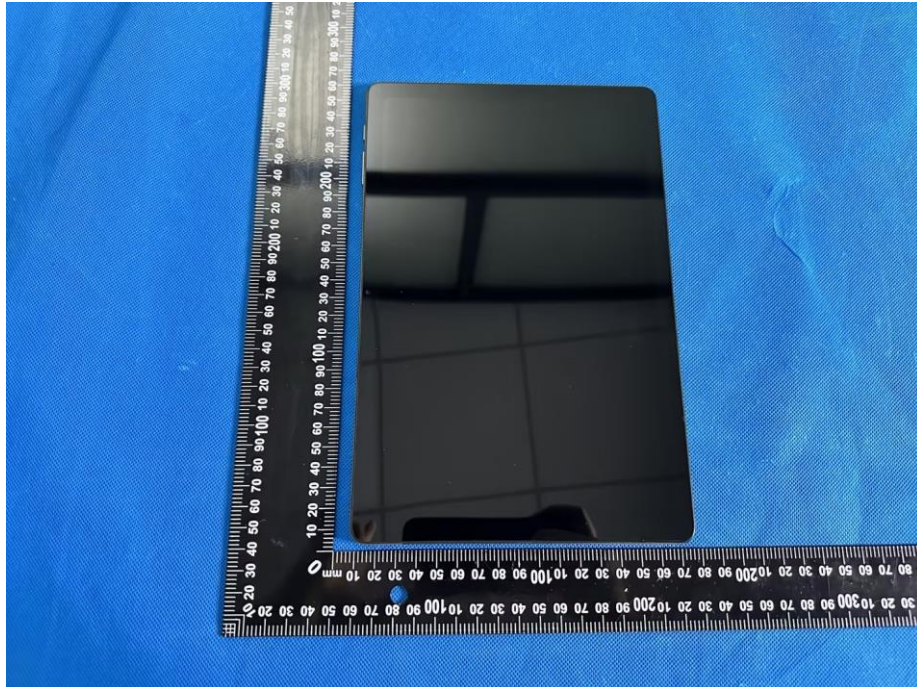
E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00
SAR (W/Kg)	0.519	0.254	0.107	0.048	0.022	0.018	0.016	0.016

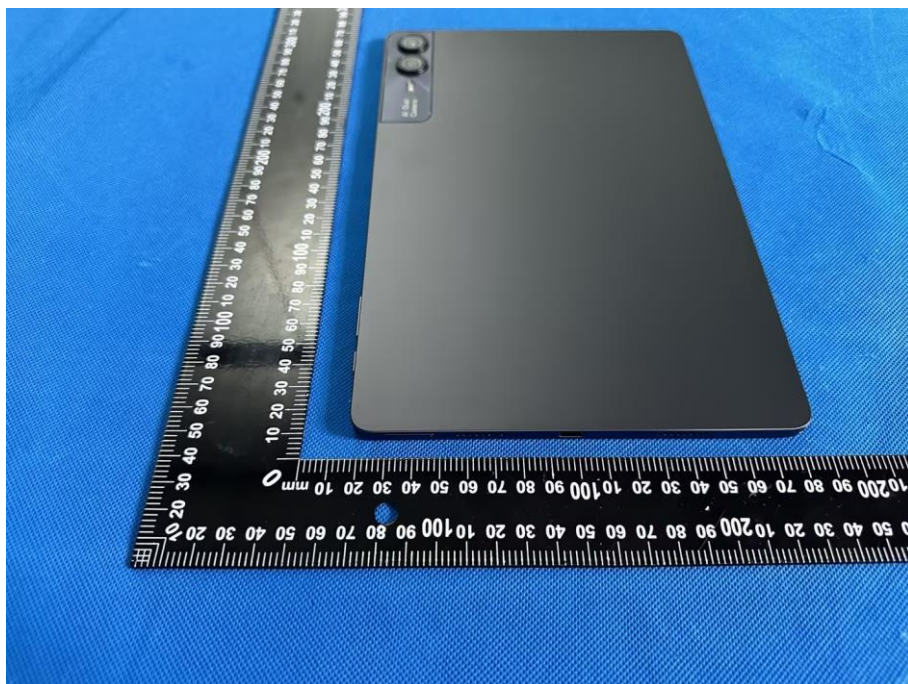


Annex C. EUT Photos

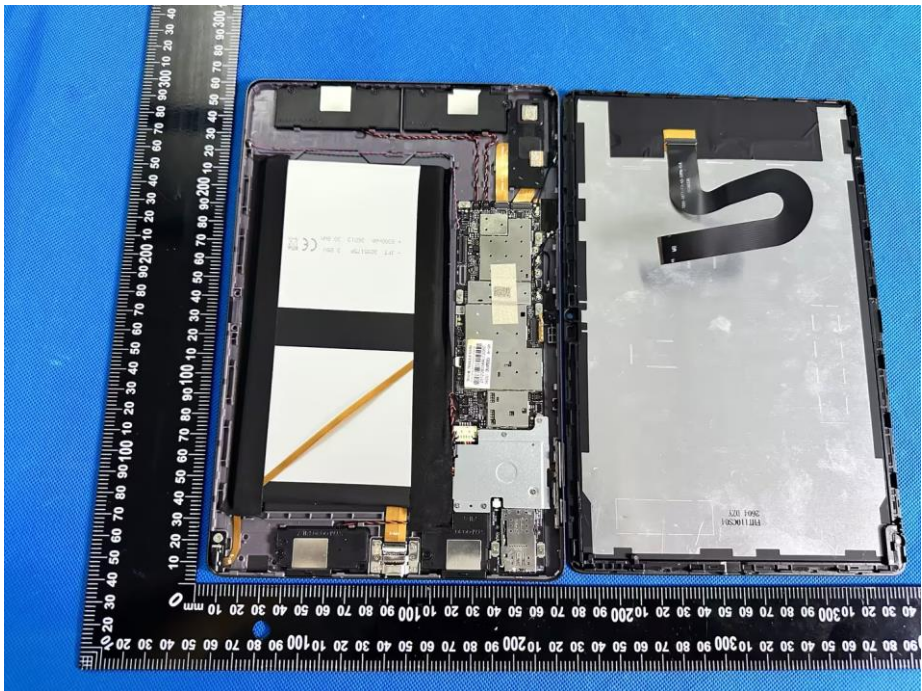
EUT View 1



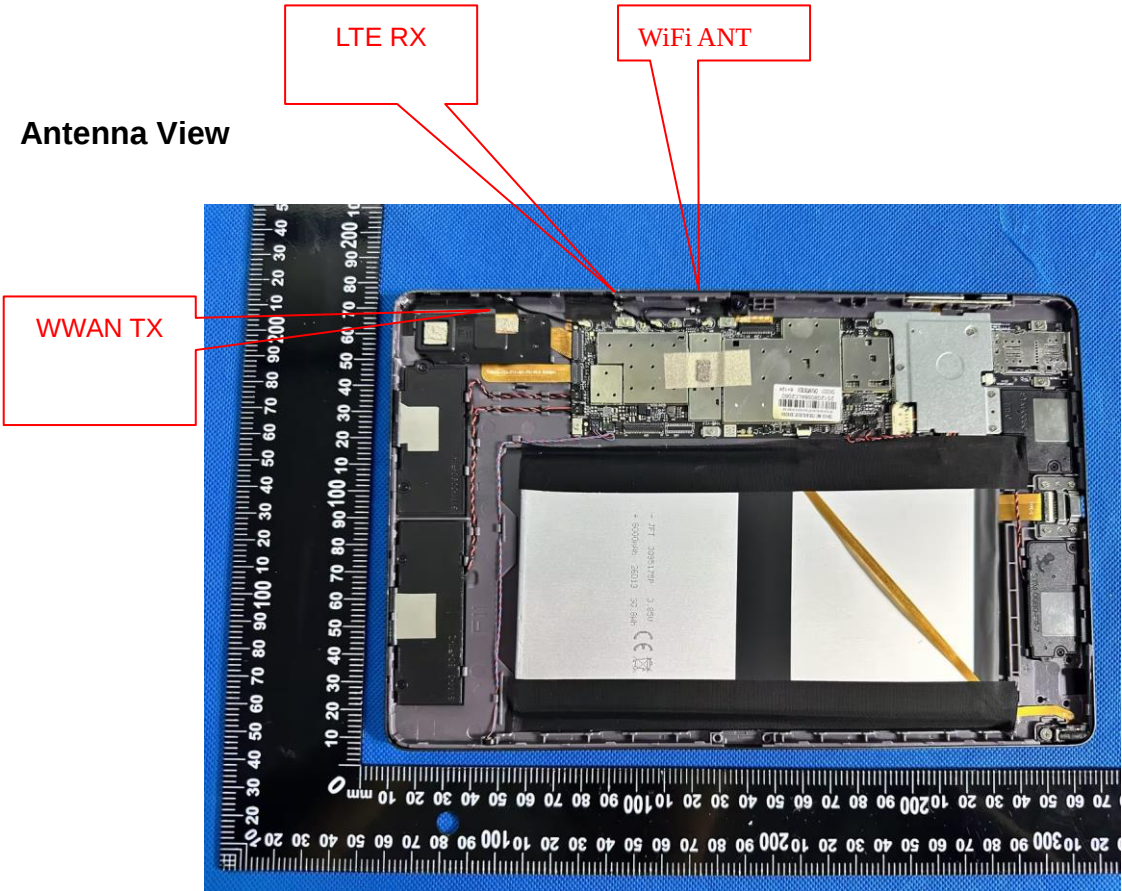
EUT View 2



EUT Housing and Board View 1



Antenna View

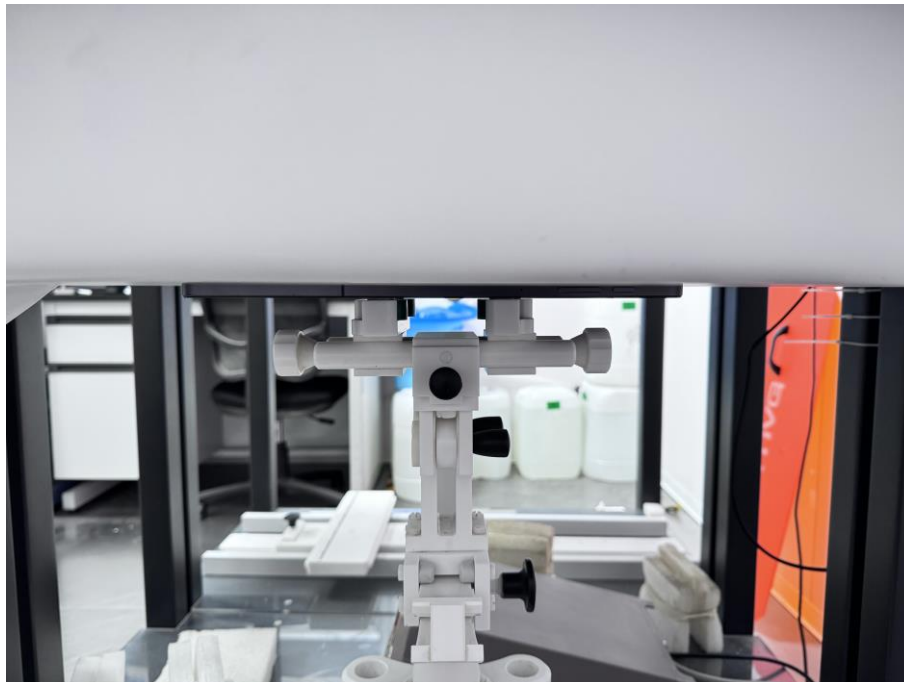


Annex D. Test Setup Photos

Body mode Exposure Conditions

Test distance: 0mm

Body Back



Body left



Body Top



Annex E. Calibration Certificate

Please refer to the exhibit for the calibration certificate

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