SAR Test Report

Report No.: AGC03397250701FH01

FCC ID	:	SV8-X2
APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	PoC Radio
BRAND NAME	:	YANTON
MODEL NAME	:	X2
APPLICANT	:	Quanzhou YANTON Electronics Co., Ltd.
DATE OF ISSUE	:	Jul. 29, 2025
STANDARD(S)	:	IEEE Std. 1528:2013 FCC 47 CFR Part 2§2.1093 IEEE Std C95.1 ™-2019
REPORT VERSION	:	V1.0

Attestation of Global Compliance(Shenzhen) Co., Ltd.

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jul. 29, 2025	Valid	Initial Release

Test Report	
Applicant Name	Quanzhou YANTON Electronics Co., Ltd.
Applicant Address	YANTON Building, Jinxia Road, Xiamei Town, Nan'an, China
Manufacturer Name	Quanzhou YANTON Electronics Co., Ltd.
Manufacturer Address	YANTON Building, Jinxia Road, Xiamei Town, Nan'an, China
Factory Name	Quanzhou YANTON Electronics Co., Ltd.
Factory Address	YANTON Building, Jinxia Road, Xiamei Town, Nan'an, China
Product Designation	PoC Radio
Brand Name	YANTON
Model Name	X2
Series Model	N/A
Different Description	N/A
EUT Voltage	DC 3.7V by battery
Applicable Standard	IEEE Std. 1528:2013 FCC 47 CFR Part 2§2.1093 IEEE Std C95.1 ™-2019
Date of receipt of test item	Jul. 02, 2025
Test Date	Jul. 19, 2025 to Jul. 22, 2025
Report Template	AGCRT-US-4G/SAR (2021-04-20)

Note: The results of testing in this report apply to the product/system which was tested only.

Prepared By

Bibo Zhang (Project Engineer) Jul. 29, 2025

Reviewed By

Jack Gui (Reviewer) Jul. 29, 2025

Approved By

Angela Li (Authorized Officer) Jul. 29, 2025

TABLE OF CONTENTS

1. SUMMARY OF MAXIMUM SAR VALUE

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

Frequency Band	Highest Reported 1g-SAR(W/kg)		SAR Test Limit (W/kg)
	Body back touch with accessories	Face up (with 25mm separation)	
LTE Band 2	0.316	0.273	1.6
LTE Band 4	1.035	0.168	
LTE Band 5	0.342	0.331	
LTE Band 7	0.329	0.117	
LTE Band 66	0.800	0.277	
SAR Test Result	PASS		

This device is compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6W/kg) specified in IEEE Std. 1528:2013; FCC 47CFR § 2.1093; IEEE/ANSI C95.1:2019 and the following specific FCC Test Procedures:

- KDB 447498 D01 General RF Exposure Guidance v06
- KDB 648474 D04 Handset SAR v01r03
- KDB 865664 D01 SAR Measurement 100MHz to 6GHz v01r04
- KDB 941225 D05 SAR for LTE Devices v02r05

2. GENERAL INFORMATION

2.1. EUT Description

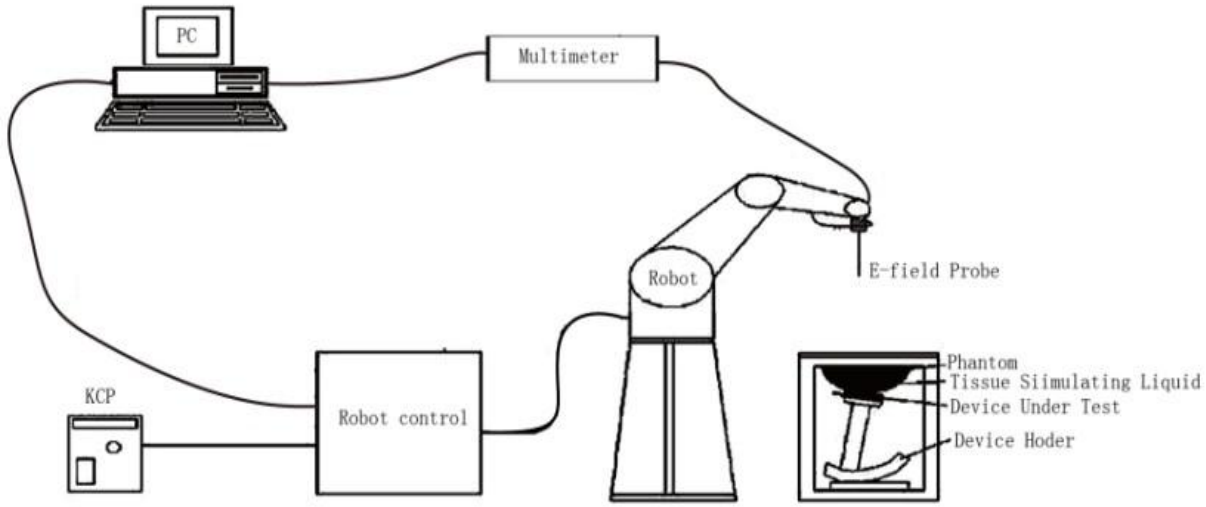
General Information	
Product Designation	PoC Radio
Test Model	X2
Hardware Version	X2-M10C-V1
Software Version	V1.0
Sample ID	250702075
Device Category	Portable
RF Exposure Environment	Uncontrolled
Antenna Type	FPC
LTE	
Support Band	☒FDD Band 2 ☒FDD Band 4 ☒FDD Band 5 ☒FDD Band 7 ☒FDD Band 66
TX Frequency Range	Band 2:1850-1910MHz; Band 4:1710-1755MHz;Band 5:824-849MHz; Band 7:2500-2570MHz; Band 66:1710-1780MHz;
RX Frequency Range	Band 2:1930-1990MHz; Band 4:2110-2155MHz; Band 5:869-894MHz; Band 7:2620-2690MHz; Band 66:2110-2200MHz;
Type of modulation	QPSK, 16QAM
Antenna Gain	Band 2: -1.21dBi; Band 4: -0.18dBi; Band 5: -3.34dBi; Band 7: 3.23dBi; Band 66: -0.18dBi;
Max. Average Power	Band 2: 23.98dBm; Band 4: 23.84dBm; Band 5: 22.92dBm; Band 7:24.32dBm; Band 66: 24.23dBm;
Accessories	
Battery	Brand name: N/A Model No. : TB-X2L Voltage and Capacitance: 3.7 V & 3000mAh
Earphone	Brand name: N/A Model No. : N/A

Note:1.CMU200 can measure the average power and Peak power at the same time
2.The sample used for testing is end product.
3. The test sample has no any deviation to the test method of standard mentioned in page 1.

Product	Type
	☒ Production unit ☐ Identical Prototype

3. SAR MEASUREMENT SYSTEM

3.1. The SATIMO system used for performing compliance tests consists of following items



The COMOSAR system for performing compliance tests consists of the following items:

- The PC. It controls most of the bench devices and stores measurement data.A computer running WinXP and the Opensar software.
- The E-Field probe. The probe is a 3-axis system made of 3 distinct dipoles. Each dipole returns a voltage in function of the ambient electric field.
- The Keithley multimeter measures each probe dipole voltages.
- The SAM phantom simulates a human head. The measurement of the electric field is made inside the phantom.
- The liquids simulate the dielectric properties of the human head tissues.
- The network emulator controls the mobile phone under test.
- The validation dipoles are used to measure a reference SAR. They are used to periodically check the bench to make sure that there is no drift of the system characteristics over time.
- The phantom, the device holder and other accessories according to the targeted measurement.

3.2. COMOSAR E-Field Probe

The SAR measurement is conducted with the dosimetric probe manufactured by SATIMO. The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. SATIMO conducts the probe calibration in compliance with international and national standards (e.g. IEEE 1528 and relevant KDB files.) The calibration data are in Appendix D.

Isotropic E-Field Probe Specification

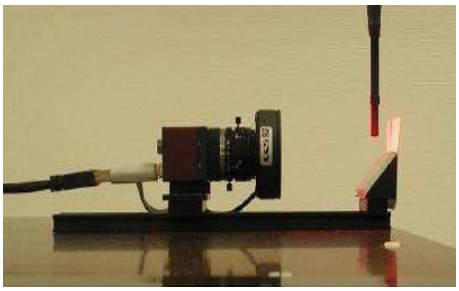
Model	SSE2	
Manufacture	MVG	
Identification No.	2023-EPGO-414	
Frequency	0.15GHz-7.5GHz Linearity:±0.10dB(0.15GHz-7.5GHz)	
Dynamic Range	0.01W/kg-100W/kg Linearity:±0.10dB	
Dimensions	Overall length:330mm Length of individual dipoles:2mm Maximum external diameter:8mm Probe Tip external diameter:2.5mm Distance between dipoles/ probe extremity:1mm	
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precisin of better 30%.	

3.3. Robot

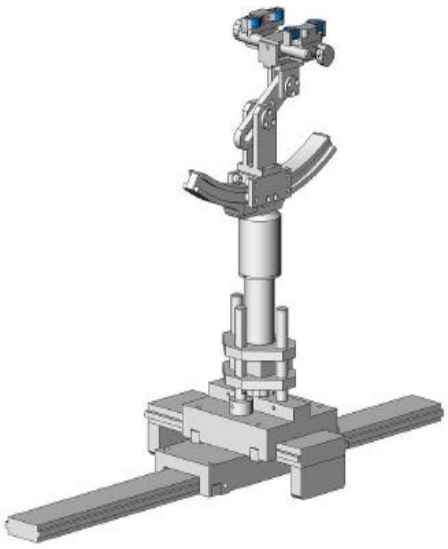
The COMOSAR system uses the KUKA robot from SATIMO SA (France).For the 6-axis controller COMOSAR system, the KUKA robot controller version from SATIMO is used.
The XL robot series have many features that are important for our application:

- High precision (repeatability 0.02 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)
- 6-axis controller

3.4. Video Positioning System

The video positioning system is used in OpenSAR to check the probe. Which is composed of a camera, LED, mirror and mechanical parts.The camera is piloted by the main computer with firewire link. During the process, the actual position of the probe tip with respect to the robot arm is measured, as well as the probe length and the horizontal probe offset. The software then corrects all movements, such that the robot coordinates are valid for the probe tip. The repeatability of this process is better than 0.1 mm. If a position has been taught with an aligned probe, the same position will be reached with another aligned probe within 0.1 mm, even if the other probe has different dimensions. During probe rotations, the probe tip will keep its actual position.	

3.5. Device Holder

The COMOSAR device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation center for both scales is the ear reference point (EPR). Thus the device needs no repositioning when changing the angles. The COMOSAR device holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity εr =3 and loss tangent δ = 0.02. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.	

3.6. SAM Twin Phantom

The SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region where shell thickness increases to 6mm). It has three measurement areas: Left head Right head Flat phantom	

The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

ELLI39 Phantom

The Flat phantom is a fiberglass shellphantom with 2mm+/- 0.2 mm shell thickness. It has only one measurement area for Flat phantom	

4. SAR MEASUREMENT PROCEDURE

4.1. Specific Absorption Rate (SAR)

SAR is related to the rate at which energy is absorbed per unit mass in 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 occupational/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.

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 given mass 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 can be obtained using either of the following equations:

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

$$SAR = c_h \left.\frac{dT}{dt}\right|_{t=0}$$

Where

SAR	is the specific absorption rate in watts per kilogram;
E	is the r.m.s. value of the electric field strength in the tissue in volts per meter;
σ	is the conductivity of the tissue in siemens per metre;
ρ	is the density of the tissue in kilograms per cubic metre;
c_h	is the heat capacity of the tissue in joules per kilogram and Kelvin;
$\frac{dT}{dt} \mid t = 0$	is the initial time derivative of temperature in the tissue in kelvins per second

4.2. SAR Measurement Procedure

Step 1: Power Reference Measurement

The Power Reference Measurement and Power Drift Measurement are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface is 2.7mm This distance cannot be smaller than the distance os sensor calibration points to probe tip as `defined in the probe properties,

Step 2: Area Scan

The Area Scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in SATIMO software can find the maximum locations even in relatively coarse grids. When an Area Scan has measured all reachable points, it computes the field maximal found in the scanned area, within a range of the global maximum. The range (in db) is specified in the standards for compliance testing. For example, a 2db range is required in IEEE Standard 1528 standards, whereby 3db is a requirement when compliance is assessed in accordance with the ARIB standard (Japan) If one Zoom Scan follows the Area Scan, then only the absolute maximum will be taken as reference. For cases where multiple maximum are detected, the number of Zoom Scan has to be increased accordingly.

Area Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100MHz to 6GHz

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 ± 1 mm	½·δ·ln(2) ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area}, Δy_{Area}	≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
	When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

Step 3: Zoom Scan

Zoom Scan are used to assess the peak spatial SAR value within a cubic average volume containing 1g abd 10g of simulated tissue. The Zoom Scan measures points(refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the Zoom Scan evaluates the averaged SAR for 1g and 10g and displays these values next to the job's label.

Zoom Scan Parameters extracted from KDB865664 d01 SAR Measurement 100MHz to 6GHz

Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details. * When zoom scan is required and the *reported* SAR from the *area scan based 1-g SAR estimation* procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

Step 4: Power Drift Measurement

The Power Drift Measurement measures the field at the same location as the most recent power reference measurement within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in dB from the reading conducted within the same settings. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as Step 1.

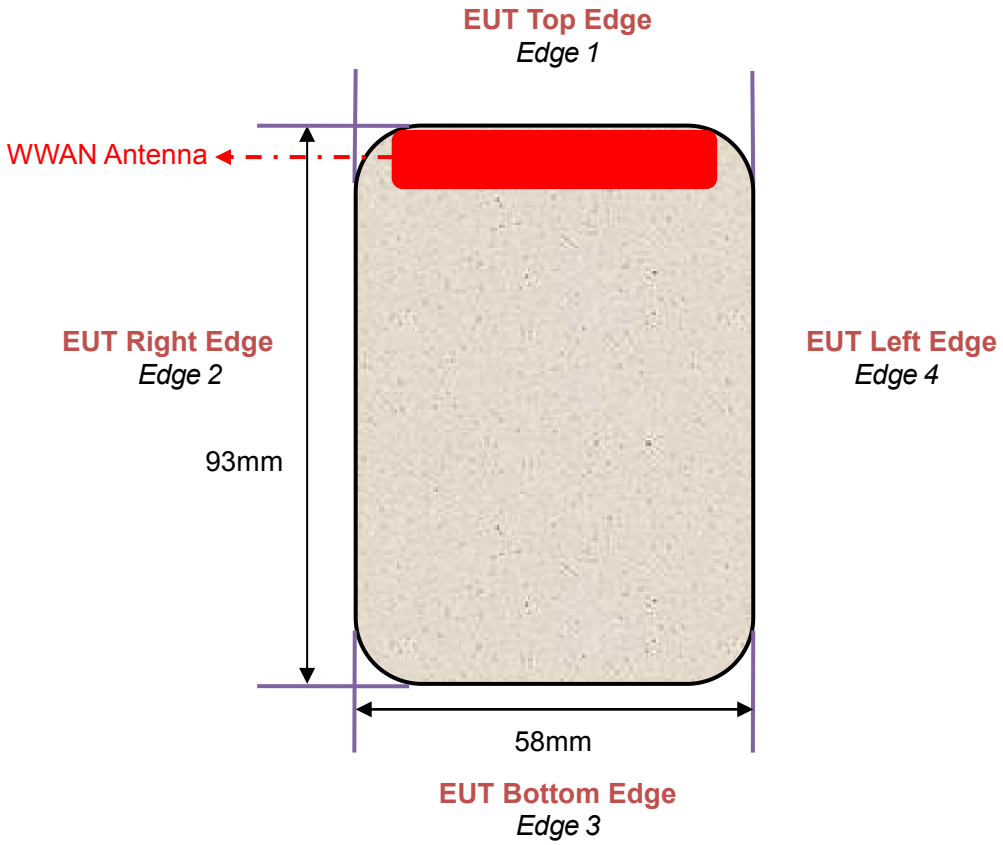
4.3. RF Exposure Conditions

Test Configuration and setting:

The EUT is a PoC Radio. It supports LTE..

For WWAN SAR testing, the device was controlled by using a base station emulator. Communication between the device and the emulator were established by air link. The distance between the EUT and the antenna is larger than 50cm, and the output power radiated from the emulator antenna is at least 30db smaller than the output power of EUT.

Antenna Location: (the back view)



5. TISSUE SIMULATING LIQUID

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15cm. For head SAR testing the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15cm For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15cm.The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5% are listed in 5.2

5.1. The composition of the tissue simulating liquid

Ingredient (% Weight) / Frequency (MHz)	Water	Nacl	Polysorbate 20	DGBE	1,2 Propanediol	Triton X-100
835 Head	50.36	1.25	48.39	0.0	0.0	0.0
1750 Head	52.64	0.36	0.0	47	0.0	0.0
1900 Head	54.9	0.18	0.0	44.92	0.0	0.0
2600 Head	55.242	0.306	0	44.452	0	0

5.2. Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the IEEE 1528 have been incorporated in the following table. These head parameters are derived from planar layer models simulating the highest expected SAR for the dielectric properties and tissue thickness variations in a human head. Other head and body tissue parameters that have not been specified in IEEE 1528 are derived from the tissue dielectric parameters computed from the 4-Cole-Cole equations described in Reference [12] and extrapolated according to the head parameters specified in IEEE 1528.

Target Frequency (MHz)	head		body	
	εr	σ (S/m)	εr	σ (S/m)
300	45.3	0.87	45.3	0.87
450	43.5	0.87	43.5	0.87
750	41.9	0.89	41.9	0.89
835	**41.5**	**0.90**	**41.5**	**0.90**
900	41.5	0.97	41.5	0.97
915	41.5	1.01	41.5	1.01
1450	40.5	1.20	40.5	1.20
1610	40.3	1.29	40.3	1.29
1750	**40.1**	**1.37**	**40.1**	**1.37**
1800 – 2000	**40.0**	**1.40**	**40.0**	**1.40**
2300	39.5	1.67	39.5	1.67
2450	39.2	1.80	39.2	1.80
2600	**39.0**	**1.96**	**39.0**	**1.96**
3000	38.5	2.40	38.5	2.40

(εr = relative permittivity, σ = conductivity and ρ = 1000 kg/m3

5.3. Tissue Calibration Result

The dielectric parameters of the liquids were verified prior to the SAR evaluation using SATIMO Dielectric Probe Kit and R&S Network Analyzer ZVL6.

Tissue Stimulant Measurement for 835MHz							
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Ambient Temp [℃]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		εr 41.5 (39.425-43.575)	δ[s/m] 0.90 (0.855-0.945)				
	835	42.51	0.91	21.9	57.1	21.1	Jul. 21, 2025
	836.5	41.68	0.93				

Tissue Stimulant Measurement for 1750MHz							
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Ambient Temp [℃]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		εr 40.1 (38.095-42.105)	δ[s/m]1.37 (1.302-1.439)				
	1720	41.23	1.31	22.4	60.3	21.7	Jul. 20, 2025
	1732.5	40.86	1.32				
	1745	40.22	1.33				
	1750	39.83	1.35				

Tissue Stimulant Measurement for 1900MHz							
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Ambient Temp [℃]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		εr40.00 (38.00-42.00)	δ[s/m]1.40 (1.33-1.47)				
	1880	41.69	1.35	21.5	57.8	21.2	Jul. 19, 2025
	1900	41.27	1.36				

Tissue Stimulant Measurement for 2600MHz							
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Ambient Temp [℃]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		εr39 (37.05-40.95)	δ[s/m] 1.96(1.86-2.06)				
	2535	39.33	1.96	20.7	52.9	20.1	Jul. 22, 2025
	2600	38.64	1.98				
	2680	38.19	2.01				

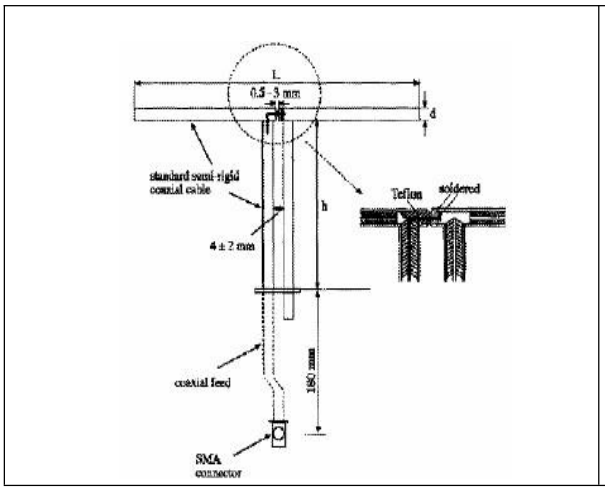
6. SAR SYSTEM CHECK PROCEDURE

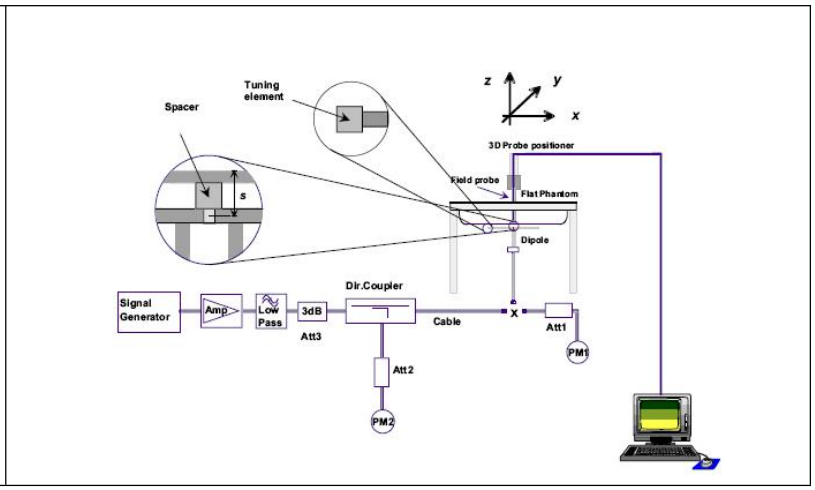
6.1. SAR System Check Procedures

SAR system check is required to confirm measurement accuracy, according to the tissue dielectric media, probe calibration points and other system operating parameters required for measuring the SAR of a test device. The system verification must be performed for each frequency band and within the valid range of each probe calibration point required for testing the device. The same SAR probe(s) and tissue-equivalent media combinations used with each specific SAR system for system verification must be used for device testing. When multiple probe calibration points are required to cover substantially large transmission bands, independent system verifications are required for each probe calibration point. A system verification must be performed before each series of SAR measurements using the same probe calibration point and tissue-equivalent medium. Additional system verification should be considered according to the conditions of the tissue-equivalent medium and measured tissue dielectric parameters, typically every three to four days when the liquid parameters are remeasured or sooner when marginal liquid parameters are used at the beginning of a series of measurements.

Each SATIMO system is equipped with one or more system check kits. These units, together with the predefined measurement procedures within the SATIMO software, enable the user to conduct the system check and system validation. System kit includes a dipole, and dipole device holder.

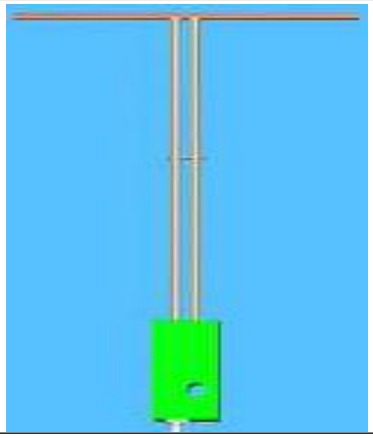
The system check verifies that the system operates within its specifications. It's performed daily or before every SAR measurement. The system check uses normal SAR measurement in the flat section of the phantom with a matched dipole at a specified distance. The system check setup is shown as below.





6.2. SAR System Check

6.2.1. Dipoles



The dipoles used is based on the IEEE-1528 standard, and is complied with mechanical and electrical specifications in line with the requirements of IEEE. the table below provides details for the mechanical and electrical
Specifications for the dipoles.

Frequency	L (mm)	h (mm)	d (mm)
835MHz	161.0	89.8	3.6
1800MHz	71.6	41.7	3.6
1900MHz	68	39.5	3.6
2600MHz	48.5	28.8	3.6

6.2.2. System Check Result

System Performance Check at 835MHz &1800MHz &1900MHz &2600MHz for Head							
Validation Kit: SN 1516 DIP 0G835-399& SN 4611 DIP 1G800-186& SN 2915 DIP 1G900-389& SN 2216 DIP 2G600-407							
Frequency [MHz]	Target Value(W/kg)		Reference Result (± 10%)		Tested Value(W/kg)		Test time
	1g	10g	1g	10g	1g	10g	
835	9.67	6.29	8.70-10.64	5.66-6.92	10.09	6.22	Jul. 21, 2025
1800	36.11	19.04	32.50-39.72	17.14-20.94	35.48	18.58	Jul. 20, 2025
1900	39.83	20.59	35.85-43.81	18.53-22.65	41.20	20.05	Jul. 19, 2025
2600	55.22	25.01	49.70-60.74	22.51-27.51	53.01	24.20	Jul. 22, 2025

Note:
(1) We use a CW signal of 18dBm for system check, and then all SAR value are normalized to 1W forward power. The result must be within ±10% of target value.

7. EUT TEST POSITION

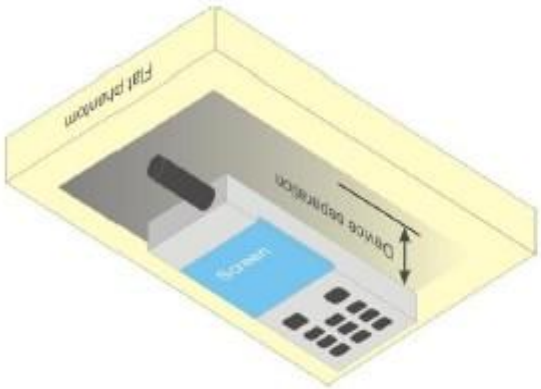
This EUT was tested in **Body back touch with accessories and Face up.**

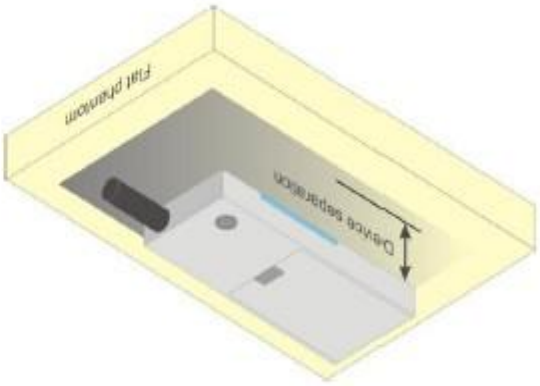
7.1. Body Worn Position

(1) To position the EUT parallel to the phantom surface.

(2) To adjust the EUT parallel to the flat phantom.

(3) To adjust the distance between the EUT surface and the flat phantom to **25mm** when the device is used in front of the face and **0mm** when using a body-worn accessory**.**





8. SAR EXPOSURE LIMITS

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

Type Exposure	Uncontrolled Environment Limit (W/kg)
Spatial Peak SAR (1g cube tissue for brain or body)	1.60
Spatial Average SAR (Whole body)	0.08
Spatial Peak SAR (Limbs)	4.0

9. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd
Location	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Designation Number	CN1259
FCC Test Firm Registration Number	975832
A2LA Cert. No.	5054.02
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by A2LA

10. TEST EQUIPMENT LIST

No.	Equipment description	Manufacturer/ Model	Identification No.	Software version	Current calibration date	Next calibration date
AGC-HE-A103	SAR Probe	MVG	2023-EPGO-414	N/A	2025-05-06	2026-05-05
AGC-HE-E016	Phantom	SATIMO	SN_4511_SAM90	N/A	Validated. No cal required.	Validated. No cal required.
AGC-HE-A071	Phantom	SATIMO	SN_2316_ELLI39	N/A	Validated. No cal required.	Validated. No cal required.
AGC-ER-E020	WIRELESS COMMUNICATION TEST SET	Agilent-8960	GB46200384	N/A	2025-05-21	2026-05-20
AGC-ER-E032	Wireless communication instrument	R&S- CMW500	121209	N/A	2025-05-16	2026-05-15
AGC-HE-E005	Multimeter	Keithley 2000	1350784	N/A	2025-05-16	2026-05-15
AGC-HE-S001	SAR Software	SATIMO-OpenSAR	N/A	OpenSAR V4_02_32	N/A	N/A
AGC-HE-A056	Dipole	SATIMO SID835	SN 1516 DIP 0G835-399	N/A	2025-05-15	2028-05-14
AGC-HE-A016	Dipole	SATIMO SID1800	SN 4611 DIP 1G800-186	N/A	2025-05-12	2028-05-11
AGC-HE-A059	Dipole	SATIMO SID1900	SN 2915 DIP 1G900-389	N/A	2025-05-15	2028-05-14
AGC-HE-A062	Dipole	SATIMO SID2600	SN 2216 DIP 2G600-407	N/A	2025-05-16	2028-05-15
AGC-HE-E021	Signal Generator	Agilent-E4438C	US41461365	V5.03	2025-05-21	2026-05-20
AGC-EM-E061	EXA Signal Analyzer	Agilent / N9010A	MY53470504	N/A	2025-05-08	2026-05-07
AGC-HE-E004	Network Analyzer	Rhode & Schwarz ZVL6	101443	3.2	2024-07-24	2025-07-23
AGC-ER-A001	Attenuator	SMA-JK	N/A	N/A	2023-09-21	2025-09-20
AGC-EM-E019	Amplifier	AS0104-55_55	1004793	N/A	N/A	N/A
AGC-EM-E040	Directional Couple	Werlatone/ C5571-10	SN99463	N/A	2024-02-01	2026-01-31
AGC-EM-E041	Directional Couple	Werlatone/ C6026-10	SN99482	N/A	2024-02-01	2026-01-31
AGC-BQ-E016	Power Sensor	NRP-Z21	104604	N/A	2025-05-16	2026-05-15
AGC-HE-E023	Power Sensor	NRP-Z23	100323	N/A	2025-01-14	2026.01-13
AGC-HE-S004	Power Viewer	R&S	V2.3.1.0	N/A	N/A	N/A
AGC-HE-A001	Calibration standard parts for network sub - port	R&S/ ZV-Z132	100707	V2.3.1.0	2024-11-08	2025-11-07
AGC-HE-A002	Thermometer	DigiMate/TP677	3811930452	N/A	2025-05-24	2027-05-23

Note: Per KDB 865664 Dipole SAR Validation, AGC Lab has adopted 3 years calibration intervals. On annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:
1. There is no physical damage on the dipole;
2. System validation with specific dipole is within 10% of calibrated value;
3. Return-loss is within 20% of calibrated measurement;
4. Impedance is within 5Ω of calibrated measurement.

11. MEASUREMENT UNCERTAINTY

SATIMO Uncertainty- 2023-EPGO-414 Measurement uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System									
Probe calibration	E.2.1	7.000	N	1	1	1	7.000	7.000	∞
Axial Isotropy	E.2.2	0.105	R	1.732	0.707	0.707	0.043	0.043	∞
Hemispherical Isotropy	E.2.2	0.105	R	1.732	0.707	0.707	0.043	0.043	∞
Boundary effect	E.2.3	1.000	R	1.732	1	1	0.577	0.577	∞
Linearity	E.2.4	1.105	R	1.732	1	1	0.638	0.638	∞
System detection limits	E.2.4	1.000	R	1.732	1	1	0.577	0.577	∞
Modulation response	E2.5	3.000	R	1.732	1	1	1.732	1.732	∞
Readout Electronics	E.2.6	0.021	N	1	1	1	0.021	0.021	∞
Response Time	E.2.7	0.000	R	1.732	1	1	0.000	0.000	∞
Integration Time	E.2.8	1.400	R	1.732	1	1	0.808	0.808	∞
RF ambient conditions-Noise	E.6.1	3.000	R	1.732	1	1	1.732	1.732	∞
RF ambient conditions-reflections	E.6.1	3.000	R	1.732	1	1	1.732	1.732	∞
Probe positioner mechanical tolerance	E.6.2	1.400	R	1.732	1	1	0.808	0.808	∞
Probe positioning with respect to phantom shell	E.6.3	1.400	R	1.732	1	1	0.808	0.808	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.300	R	1.732	1	1	1.328	1.328	∞
Test sample Related									
Test sample positioning	E.4.2	2.6	N	1	1	1	2.60	2.60	∞
Device holder uncertainty	E.4.1	3	N	1	1	1	3.00	3.00	∞
Output power variation—SAR drift measurement	E.2.9	5	R	1.732	1	1	2.89	2.89	∞
SAR scaling	E.6.5	5	R	1.732	1	1	2.89	2.89	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	4	R	1.732	1	1	2.309	2.309	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1	1	0.84	1.900	1.596	∞
Liquid conductivity measurement	E.3.3	4	N	1	0.78	0.71	3.120	2.840	M
Liquid permittivity measurement	E.3.3	5	N	1	0.23	0.26	1.150	1.300	M
Liquid conductivity—temperature uncertainty	E.3.4	2.5	R	1.732	0.78	0.71	1.126	1.025	∞
Liquid permittivity—temperature uncertainty	E.3.4	2.5	R	1.732	0.23	0.26	0.332	0.375	∞
Combined Standard Uncertainty			RSS				10.533	10.348	
Expanded Uncertainty (95% Confidence interval)			K=2				21.065	20.695	

SATIMO Uncertainty- 2023-EPGO-414 System Validation uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System									
Probe calibration	E.2.1	7.000	N	1	1	1	7.000	7.000	∞
Axial Isotropy	E.2.2	0.105	R	1.732	1.000	1.000	0.061	0.061	∞
Hemispherical Isotropy	E.2.2	0.105	R	1.732	0.000	0.000	0.000	0.000	∞
Boundary effect	E.2.3	1.000	R	1.732	1.000	1.000	0.577	0.577	∞
Linearity	E.2.4	1.105	R	1.732	1.000	1.000	0.638	0.638	∞
System detection limits	E.2.4	1.000	R	1.732	1.000	1.000	0.577	0.577	∞
Modulation response	E2.5	3.000	R	1.732	0.000	0.000	0.000	0.000	∞
Readout Electronics	E.2.6	0.021	N	1.000	1.000	1.000	0.021	0.021	∞
Response Time	E.2.7	0.000	R	1.732	0.000	0.000	0.000	0.000	∞
Integration Time	E.2.8	1.400	R	1.732	0.000	0.000	0.000	0.000	∞
RF ambient conditions-Noise	E.6.1	3.000	R	1.732	1.000	1.000	1.732	1.732	∞
RF ambient conditions-reflections	E.6.1	3.000	R	1.732	1.000	1.000	1.732	1.732	∞
Probe positioner mechanical tolerance	E.6.2	1.400	R	1.732	1.000	1.000	0.808	0.808	∞
Probe positioning with respect to phantom shell	E.6.3	1.400	R	1.732	1.000	1.000	0.808	0.808	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.300	R	1.732	1.000	1.000	1.328	1.328	∞
System validation source									
Deviation of experimental dipole from numerical dipole	E.6.4	5	N	1	1	1	5	5	∞
Input power and SAR drift measurement	8,6.6.4	5	R	1.732	1	1	2.887	2.887	∞
Dipole axis to liquid distance	8,E.6.6	2	R	1.732	1	1	1.155	1.155	∞
Phantom and set-up									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	4	R	1.732	1	1	2.309	2.309	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1	1	0.84	1.9	1.596	∞
Liquid conductivity（temperature uncertainty）	E.3.3	4	N	1	0.78	0.71	3.12	2.84	∞
Liquid conductivity（measured）	E.3.3	5	N	1	0.23	0.26	1.15	1.3	M
Liquid permittivity（temperature uncertainty）	E.3.4	2.5	R	1.732	0.78	0.71	1.126	1.025	∞
Liquid permittivity（measured）	E.3.4	2.5	R	1.732	0.23	0.26	0.332	0.375	M
Combined Standard Uncertainty			RSS				10.466	10.279	
Expanded Uncertainty (95% Confidence interval)			K=2				20.931	20.559	

SATIMO Uncertainty- 2023-EPGO-414 System Check uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System									
Probe calibration drift	E.2.1.3	0.500	N	1	1	1	0.5	0.5	∞
Axial Isotropy	E.2.2	0.105	R	1.732	0	0	0	0	∞
Hemispherical Isotropy	E.2.2	0.105	R	1.732	0	0	0	0	∞
Boundary effect	E.2.3	1.000	R	1.732	0	0	0	0	∞
Linearity	E.2.4	1.105	R	1.732	0	0	0	0	∞
System detection limits	E.2.4	1	R	1.732	0	0	0	0	∞
Modulation response	E2.5	3	R	1.732	0	0	0	0	∞
Readout Electronics	E.2.6	0.021	N	1	0	0	0	0	∞
Response Time	E.2.7	0	R	1.732	0	0	0	0	∞
Integration Time	E.2.8	1.4	R	1.732	0	0	0	0	∞
RF ambient conditions-Noise	E.6.1	3	R	1.732	0	0	0	0	∞
RF ambient conditions-reflections	E.6.1	3	R	1.732	0	0	0	0	∞
Probe positioner mechanical tolerance	E.6.2	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	E.6.3	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.3	R	$\sqrt{3}$	0	0	0	0.00	∞
System check source (dipole)									
Deviation of experimental dipoles	E.6.4	2	N	1	1	1	2	2	∞
Input power and SAR drift measurement	8,6.6.4	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Dipole axis to liquid distance	8,E.6.6	2	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1.000	1	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	4	N	1.000	0.78	0.71	3.12	2.84	∞
Liquid permittivity measurement	E.3.3	5	N	1.000	0.23	0.26	1.15	1.30	M
Liquid conductivity—temperature uncertainty	E.3.4	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.02	∞
Liquid permittivity—temperature uncertainty	E.3.4	2.5	R	$\sqrt{3}$	0.23	0.26	0.33	0.38	M
Combined Standard Uncertainty			RSS				5.562	5.203	
Expanded Uncertainty (95% Confidence interval)			K=2				11.124	10.406	

12. CONDUCTED POWER MEASUREMENT

LTE Band

Conducted Power of LTE Band 2(dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					18607	**18900**	**19193**
1.4MHz	QPSK	1	0	0	23.88	22.85	22.42
			3	0	**23.98**	22.84	22.44
			5	0	23.92	22.99	22.52
		3	0	0	23.86	22.83	22.27
			2	0	23.83	22.82	22.24
			3	0	23.92	22.88	22.45
		6	0	1	22.98	21.66	21.44
	16QAM	1	0	1	22.82	21.51	21.86
			3	1	22.94	21.67	21.30
			5	1	22.99	21.70	21.34
		3	0	1	22.73	21.51	21.35
			2	1	22.72	21.49	21.31
			3	1	22.76	21.57	21.22
		6	0	2	21.84	20.71	20.94
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					18615	**18900**	**19185**
3MHz	QPSK	1	0	0	23.64	22.56	22.27
			7	0	23.59	22.77	22.00
			14	0	23.43	22.69	22.31
		8	0	1	22.77	21.53	21.59
			4	1	22.79	21.54	21.59
			7	1	22.72	21.61	21.20
		15	0	1	22.77	21.57	21.39
	16QAM	1	0	1	22.75	21.34	21.01
			7	1	22.81	21.52	20.92
			14	1	22.53	21.44	21.11
		8	0	2	21.80	20.72	20.39
			4	2	21.81	20.73	20.39
			7	2	21.72	20.85	20.17
		15	0	2	21.75	20.71	20.53

Conducted Power of LTE Band 2(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 18625	Channel 18900	Channel 19175
5MHz	QPSK	1	0	0	23.93	22.46	21.77
			13	0	23.71	22.76	22.49
			24	0	23.57	22.71	22.46
		12	0	1	22.82	21.45	20.99
			6	1	22.84	21.46	20.99
			13	1	22.72	21.62	21.31
		25	0	1	22.79	21.54	21.46
	16QAM	1	0	1	22.97	21.75	20.74
			13	1	22.83	21.76	21.64
			24	1	22.65	22.07	21.29
		12	0	2	21.89	20.67	19.97
			6	2	21.90	20.68	19.97
			13	2	21.68	20.89	20.64
		25	0	2	21.76	20.72	20.34
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 18650	Channel 18900	Channel 19150
10MHz	QPSK	1	0	0	23.88	22.45	21.80
			25	0	23.52	22.91	21.75
			49	0	22.63	23.52	22.37
		25	0	1	22.67	21.32	20.39
			13	1	22.70	21.32	20.37
			25	1	22.26	21.72	21.25
		50	0	1	20.94	20.81	20.78
	16QAM	1	0	1	22.99	21.51	20.68
			25	1	22.69	21.68	20.77
			49	1	21.87	22.50	21.16
		25	0	2	21.63	20.54	19.29
			13	2	21.63	20.53	19.27
			25	2	21.15	20.94	20.12
		50	0	2	19.94	19.90	19.80

Conducted Power of LTE Band 2(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18675	18900	19125
15MHz	QPSK	1	0	0	23.86	21.90	22.37
			38	0	23.16	22.75	21.18
			74	0	21.93	23.20	22.26
		36	0	1	22.27	21.48	20.77
			18	1	22.26	21.48	20.76
			39	1	22.25	21.50	20.75
		75	0	1	20.93	20.89	20.88
	16QAM	1	0	1	23.07	21.30	21.39
			38	1	22.43	21.83	20.31
			74	1	21.28	22.64	21.03
		36	0	2	22.26	21.57	20.76
			18	2	22.25	21.50	20.76
			39	2	22.26	21.50	20.75
		75	0	2	19.95	19.94	19.83
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18700	18900	19100
20MHz	QPSK	1	0	0	21.90	21.74	21.61
			50	0	22.23	22.18	22.23
			99	0	21.78	21.80	21.79
		50	0	1	21.01	20.94	20.94
			25	1	21.02	20.96	20.95
			50	1	20.93	20.94	20.95
		100	0	1	20.95	20.90	20.89
	16QAM	1	0	1	20.67	21.60	20.83
			50	1	21.52	21.89	21.11
			99	1	20.71	21.06	20.43
		50	0	2	20.13	19.82	20.05
			25	2	20.13	19.93	20.05
			50	2	19.98	19.80	19.90
		100	0	2	19.97	19.95	19.96

Conducted Power of LTE Band 4(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					19957	20175	20393
1.4MHz	QPSK	1	0	0	23.57	23.75	22.55
			3	0	23.41	23.65	22.51
			5	0	23.42	23.65	22.51
		3	0	0	23.53	23.69	22.48
			2	0	23.54	23.70	22.48
			3	0	23.41	23.68	22.52
		6	0	1	22.46	22.82	21.63
	16QAM	1	0	1	22.43	22.67	21.54
			3	1	22.32	22.56	21.58
			5	1	22.31	22.53	21.53
		3	0	1	22.37	22.59	21.38
			2	1	22.35	22.59	21.35
			3	1	22.30	22.53	21.44
		6	0	2	21.39	21.88	20.66
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					19965	20175	20385
3MHz	QPSK	1	0	0	23.45	23.80	22.45
			7	0	23.27	**23.84**	22.56
			14	0	23.04	23.60	22.51
		8	0	1	22.35	22.85	21.54
			4	1	22.36	22.87	21.55
			7	1	22.16	22.83	21.62
		15	0	1	22.28	22.84	21.55
	16QAM	1	0	1	22.45	22.72	21.31
			7	1	22.31	22.69	21.46
			14	1	22.02	22.50	21.41
		8	0	2	21.47	21.90	20.57
			4	2	21.56	21.91	20.57
			7	2	21.32	21.87	20.64
		15	0	2	21.42	21.78	20.52

Conducted Power of LTE Band 4(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					19975	20175	20375
5MHz	QPSK	1	0	0	23.69	23.83	22.58
			13	0	23.26	23.80	22.58
			24	0	22.88	23.61	22.64
		12	0	1	22.34	22.84	21.45
			6	1	22.34	22.86	21.46
			13	1	21.92	22.73	21.55
		25	0	1	22.09	22.83	21.51
	16QAM	1	0	1	22.62	22.97	21.54
			13	1	22.22	22.96	21.56
			24	1	21.82	22.77	21.64
		12	0	2	21.41	21.92	20.52
			6	2	21.41	21.93	20.52
			13	2	21.04	21.85	20.61
		25	0	2	21.17	21.80	20.58
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20000	20175	20350
10MHz	QPSK	1	0	0	23.67	23.80	22.54
			25	0	22.69	23.80	22.48
			49	0	22.88	23.25	22.48
		25	0	1	21.96	22.74	21.31
			13	1	21.96	22.71	21.28
			25	1	21.64	22.50	21.28
		50	0	1	20.74	20.74	20.90
	16QAM	1	0	1	22.61	22.73	21.35
			25	1	21.76	22.74	21.33
			49	1	21.94	22.22	21.44
		25	0	2	21.04	21.82	20.43
			13	2	21.04	21.73	20.35
			25	2	20.72	21.55	20.36
		50	0	2	19.77	19.80	20.06

Conducted Power of LTE Band 4(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20025	Channel 20175	Channel 20325
15MHz	QPSK	1	0	0	23.48	23.63	22.92
			38	0	22.84	23.72	22.48
			74	0	23.49	23.08	22.64
		36	0	1	21.91	22.66	21.51
			18	1	21.82	22.62	21.51
			39	1	21.91	22.63	21.52
		75	0	1	20.82	20.94	20.99
	16QAM	1	0	1	22.55	22.84	21.78
			38	1	21.96	22.98	21.34
			74	1	22.52	22.34	21.49
		36	0	2	21.82	22.67	21.51
			18	2	21.82	22.63	21.51
			39	2	21.82	22.63	21.60
		75	0	2	20.06	19.91	20.05
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20050	Channel 20175	Channel 20300
20MHz	QPSK	1	0	0	21.95	21.88	22.12
			50	0	22.42	22.07	22.36
			99	0	21.95	22.04	22.16
		50	0	1	20.94	20.99	21.23
			25	1	20.92	21.02	21.26
			50	1	21.08	21.09	21.16
		100	0	1	21.01	20.92	21.12
	16QAM	1	0	1	20.89	21.60	21.09
			50	1	21.59	21.70	21.75
			99	1	20.91	21.81	21.07
		50	0	2	20.13	20.05	20.35
			25	2	20.12	20.07	20.36
			50	2	20.12	20.13	20.30
		100	0	2	20.09	19.94	20.27

Conducted Power of LTE Band 5(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20407	20525	20643
1.4MHz	QPSK	1	0	0	22.64	22.88	22.36
			3	0	22.63	22.86	22.29
			5	0	22.57	22.91	22.26
		3	0	0	22.60	22.80	22.21
			2	0	22.66	22.79	22.20
			3	0	22.54	22.83	22.26
		6	0	1	21.66	21.88	21.38
	16QAM	1	0	1	21.72	21.77	21.21
			3	1	21.70	21.86	21.29
			5	1	21.60	21.86	21.18
		3	0	1	21.60	21.73	21.18
			2	1	21.58	21.73	21.17
			3	1	21.48	21.77	21.17
		6	0	2	20.84	20.89	20.55
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20415	20525	20635
3MHz	QPSK	1	0	0	22.50	22.76	22.13
			7	0	22.40	22.90	22.18
			14	0	22.23	22.83	22.08
		8	0	1	21.57	21.82	21.19
			4	1	21.59	21.83	21.21
			7	1	21.45	21.92	21.31
		15	0	1	21.52	21.89	21.24
	16QAM	1	0	1	21.64	21.68	20.99
			7	1	21.57	21.82	21.18
			14	1	21.37	21.76	21.04
		8	0	2	20.78	20.99	20.38
			4	2	20.78	21.00	20.38
			7	2	20.67	21.09	20.48
		15	0	2	20.72	20.95	20.37

Conducted Power of LTE Band 5(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20425	20525	20625
5MHz	QPSK	1	0	0	22.68	22.73	22.34
			13	0	22.37	22.85	22.17
			24	0	22.27	22.81	22.13
		12	0	1	21.45	21.73	21.16
			6	1	21.47	21.74	21.18
			13	1	21.25	21.86	21.20
		25	0	1	21.37	21.82	21.17
	16QAM	1	0	1	21.74	21.88	21.32
			13	1	21.47	22.02	21.25
			24	1	21.33	21.97	21.22
		12	0	2	20.63	20.93	20.39
			6	2	20.64	20.94	20.40
			13	2	20.44	21.07	20.41
		25	0	2	20.57	20.93	20.39
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20450	20525	20600
10MHz	QPSK	1	0	0	22.77	22.61	22.89
			25	0	22.36	**22.92**	22.36
			49	0	22.64	22.71	22.35
		25	0	1	21.39	21.63	21.47
			13	1	21.39	21.59	21.46
			25	1	21.44	21.77	21.18
		50	0	1	21.55	21.61	21.61
	16QAM	1	0	1	21.85	21.65	21.74
			25	1	21.52	21.89	21.24
			49	1	21.79	21.65	21.30
		25	0	2	20.54	20.79	20.67
			13	2	20.55	20.75	20.65
			25	2	20.58	20.94	20.35
		50	0	2	20.35	20.49	20.62

Conducted Power of LTE Band 7 (dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					20775	**21100**	**21425**
5MHz	QPSK	1	0	0	22.92	23.98	23.36
			12	0	22.85	23.70	23.32
			24	0	22.79	23.48	23.28
		12	0	1	22.76	22.92	22.31
			6	1	22.81	22.95	22.33
			13	1	22.77	22.75	22.43
		25	0	1	22.75	22.87	22.34
	16QAM	1	0	1	22.82	23.18	22.34
			12	1	22.79	22.98	22.36
			24	1	22.76	22.78	22.40
		12	0	2	22.74	22.32	21.66
			6	2	22.77	22.33	21.67
			13	2	22.76	22.14	21.70
		25	0	2	22.74	22.18	21.70
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					20800	**21100**	**21400**
10MHz	QPSK	1	0	0	22.69	**24.32**	22.96
			24	0	22.50	23.69	23.29
			49	0	22.65	23.27	23.42
		25	0	1	21.75	23.01	22.10
			12	1	21.79	23.04	22.11
			25	1	21.78	22.57	22.42
		50	0	1	20.12	20.40	20.28
	16QAM	1	0	1	21.96	23.20	21.76
			24	1	21.83	22.80	22.22
			49	1	21.92	22.20	22.29
		25	0	2	20.99	22.34	21.49
			12	2	21.01	22.35	21.50
			25	2	20.99	21.94	21.73
		50	0	2	19.02	19.65	19.28

Conducted Power of LTE Band 7 (dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20825	21100	21375
15MHz	QPSK	1	0	0	22.73	24.21	22.39
			37	0	22.71	23.63	22.95
			74	0	23.02	22.83	23.27
		37	0	1	21.93	22.87	22.01
			16	1	21.91	22.83	21.99
			35	1	21.94	22.84	22.01
		75	0	1	20.19	20.58	20.16
	16QAM	1	0	1	22.04	23.40	21.33
			37	1	21.93	23.02	21.98
			74	1	22.36	22.19	22.24
		37	0	2	21.91	22.85	21.99
			16	2	21.95	22.85	22.02
			35	2	21.94	22.84	22.01
		75	0	2	19.10	19.77	19.20
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20850	21100	21350
20MHz	QPSK	1	0	0	21.07	21.48	21.30
			49	0	21.31	21.65	21.32
			99	0	21.28	21.21	21.31
		50	0	1	20.26	20.64	20.15
			25	1	20.33	20.64	20.18
			49	1	20.39	20.57	20.17
		100	0	1	20.30	20.59	20.20
	16QAM	1	0	1	20.09	21.18	20.25
			49	1	20.82	21.01	19.27
			99	1	20.31	20.91	20.19
		50	0	2	19.18	19.68	19.27
			25	2	19.21	19.77	19.22
			49	2	19.39	19.66	19.23
		100	0	2	19.18	19.70	19.15

Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					131979	132322	132665
1.4MHz	QPSK	1	0	0	23.97	22.89	22.16
			2	0	23.97	22.77	22.13
			5	0	23.94	22.80	22.17
		3	0	0	24.08	22.79	22.13
			1	0	24.09	22.76	22.14
			3	0	24.02	22.75	22.14
		6	0	1	23.14	21.84	21.16
	16QAM	1	0	1	23.07	21.80	20.95
			2	1	23.06	21.77	21.03
			5	1	23.00	21.76	21.01
		3	0	1	23.01	21.72	20.98
			1	1	22.99	21.69	20.97
			3	1	22.89	21.68	21.03
		6	0	2	22.17	20.88	20.23
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					131987	132322	132657
3MHz	QPSK	1	0	0	23.99	22.79	22.07
			8	0	23.86	22.80	22.11
			14	0	23.49	22.74	21.96
		8	0	1	23.00	21.80	21.09
			4	1	23.01	21.83	21.10
			7	1	22.79	21.78	21.11
		15	0	1	22.91	21.82	21.05
	16QAM	1	0	1	23.06	21.76	20.75
			8	1	22.91	21.73	20.96
			14	1	22.52	21.68	20.90
		8	0	2	22.02	20.98	20.12
			4	2	22.02	21.00	20.12
			7	2	21.81	20.95	20.13
		15	0	2	21.87	20.89	20.02

Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					131997	132322	132647
5MHz	QPSK	1	0	0	**24.23**	23.10	22.37
			12	0	23.82	22.90	22.20
			24	0	23.77	22.99	22.18
		12	0	1	22.95	21.93	21.03
			6	1	22.96	21.92	21.00
			13	1	22.63	21.85	21.04
		25	0	1	22.69	21.88	21.05
	16QAM	1	0	1	23.22	22.02	21.24
			12	1	22.86	21.90	21.10
			24	1	22.76	21.93	21.19
		12	0	2	21.92	21.07	20.12
			6	2	21.92	21.10	20.13
			13	2	21.62	20.98	20.09
		25	0	2	21.70	21.07	20.13
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					132022	132322	132622
10MHz	QPSK	1	0	0	24.14	23.28	22.76
			24	0	23.52	22.76	22.10
			49	0	23.67	22.97	22.11
		25	0	1	22.54	21.85	21.26
			12	1	22.50	21.86	21.25
			25	1	22.30	21.66	20.90
		50	0	1	20.68	20.96	21.00
	16QAM	1	0	1	23.09	22.11	21.59
			24	1	22.55	21.74	20.89
			49	1	22.64	21.70	21.02
		25	0	2	21.41	21.04	20.40
			12	2	21.37	21.03	20.37
			25	2	21.30	20.88	20.00
		50	0	2	19.51	20.02	19.99

Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 132047	Channel 132322	Channel 132597
15MHz	QPSK	1	0	0	23.98	23.44	23.40
			38	0	23.57	22.76	22.44
			74	0	24.08	22.99	22.11
		38	0	1	22.47	21.88	21.59
			18	1	22.46	21.92	21.59
			37	1	22.46	21.89	21.59
		75	0	1	20.56	20.78	20.72
	16QAM	1	0	1	23.08	22.58	22.37
			38	1	22.50	22.02	21.49
			74	1	22.99	22.11	21.24
		38	0	2	22.46	21.87	21.59
			18	2	22.46	21.88	21.59
			37	2	22.47	21.89	21.59
		75	0	2	19.64	19.78	19.71
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 132072	Channel 132322	Channel 132572
20MHz	QPSK	1	0	0	21.36	21.64	21.64
			49	0	21.75	22.15	22.04
			99	0	21.57	21.78	21.41
		50	0	1	20.55	20.74	20.67
			25	1	20.55	20.77	20.83
			50	1	20.51	20.98	20.80
		100	0	1	20.64	20.80	20.76
	16QAM	1	0	1	20.39	21.42	20.32
			49	1	21.08	21.72	21.36
			99	1	20.46	21.43	20.31
		50	0	2	19.54	19.81	19.93
			25	2	19.54	19.73	20.05
			50	2	19.83	19.80	19.87
		100	0	2	19.73	19.83	19.84

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.
UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3.3-1 of the 3GPP TS36.101.

Table 6.2.3.3-1 Maximum Power Reduction (MPR) for Power class3

Modulation	Maximum Power Reduction (MPR) for Power[RB]						MPR(dB)
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz	
QPSK	＞5	＞4	＞8	＞12	＞16	＞18	≤1
16QAM	≤5	≤4	≤8	≤12	≤16	≤18	≤1
16QAM	＞5	＞4	＞8	＞12	＞16	＞18	≤2

The allowed A-MPR values specified below in Table 6.2.4.3-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of “NS_01”.3

Table 6.2.4.3-1: Additional Maximum Power Reduction (A-MPR) / Spectrum Emission requirements

Network Signaling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.2-1	1.4,3,5,10,15,20	Table 5.4.2-1	N/A
NS_03	6.6.2.2.3.1	2,4,10, 23, 25,35,36	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.3.2	41	5	>6	≤1
			10, 15, 20	Table 6.2.4.3-4	
NS_05	6.6.3.3.3.1	1	10,15,20	≥ 50	≤ 1
NS_06	6.6.2.2.3.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.4.2-1	N/A
NS_07	6.6.2.2.3.3 6.6.3.3.3.2	13	10	Table 6.2.4.3-2	Table 6.2.4.3-2
NS_08	6.6.3.3.3.3	19	10, 15	> 44	≤ 3
NS_09	6.6.3.3.3.4	21	10, 15	> 40	≤ 1
				> 55	≤ 2
NS_10		20	15, 20	Table 6.2.4.3-3	Table 6.2.4.3-3
NS_11	6.6.2.2.1 6.6.3.3.13	231	1.4, 3, 5, 10,15,20	Table 6.2.4.3-5	Table 6.2.4.3-5
NS_12	6.6.3.3.5	26	1.4, 3, 5	Table 6.2.4.3-6	Table 6.2.4.3-6
NS_13	6.6.3.3.6	26	5	Table 6.2.4.3-7	Table 6.2.4.3-7
NS_14	6.6.3.3.7	26	10, 15	Table 6.2.4.3-8	Table 6.2.4.3-8
NS_15	6.6.3.3.8	26	1.4, 3, 5, 10, 15	Table 6.2.4.3-9 Table 6.2.4.3-10	Table 6.2.4.3-9, Table 6.2.4.3-10
NS_16	6.6.3.3.9	27	3, 5, 10	Table 6.2.4.3-11, Table 6.2.4.3-12, Table 6.2.4.3-13	
NS_17	6.6.3.3.10 6.6.3.3.11	28 28	5, 10	Table 5.4.2-1	N/A
			5	≥ 2	≤ 1
NS_18			10, 15, 20	≥ 1	≤ 4
NS_19			10, 15, 20	Table 6.2.4.3-15	Table 6.2.4.3-15
NS_20			5, 10, 15, 20	Table 6.2.4.3-14	Table 6.2.4.3-14
…					
NS_20	-	-	-	-	-

13. TEST RESULTS

13.1. SAR Test Results Summary

13.1.1. Test position and configuration

Face up SAR was performed with the face up of the device positioned at 25mm from the flat phantom, Body back SAR was performed with the device configured with all accessories close to the Flat Phantom.

13.1.2. Operation Mode

1. Per KDB 447498 D01 v06 ,for each exposure position, if the highest 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional.
2. Per KDB 865664 D01 v01r04,for each frequency band, if the measured SAR is ≥0.8W/kg, testing for repeated SAR measurement is required , that the highest measured SAR is only to be tested. When the SAR results are near the limit, the following procedures are required for each device to verify these types of SAR measurement related variation concerns by repeating the highest measured SAR configuration in each frequency band.
   (1) When the original highest measured SAR is ≥0.8W/kg, repeat that measurement once.
   (2) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is >1.20 or when the original or repeated measurement is ≥1.45 W/kg.
   (3) Perform a third repeated measurement only if the original, first and second repeated measurement is ≥1.5 W/kg and ratio of largest to smallest SAR for the original, first and second measurement is ≥ 1.20.
3. Maximum Scaling SAR in order to calculate the Maximum SAR values to test under the standard Peak Power, Calculation method is as follows:
   Maximum Scaling SAR =tested SAR (Max.) ×[maximum turn-up power (mW)/ maximum measurement output power(mW)]
4. Proximity sensor, just for avoiding the wrong operation in the phone screen when call, and has no influence on output power or SAR result
5. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1RB allocation using the RB offset and required test channel combination with highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
6. Per KDB 941125 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
7. Per KDB 941125 D05v02r05. 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 1RB allocation and the highest reported SAR is >1.45 W/kg, the remaining required test channels must also be tested.
8. Per KDB 941125 D05v02r05. 16QAM output power for each RB allocation configuration is not 1/2 dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤1.45W/kg, Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
9. Per KDB 941125 D05v02r05. Smaller bandwidth output power for each RB allocation configuration is >not 1/2 dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤1.45W/kg. Per KDB 941125 D05v02r05, smaller bandwidth SAR testing is not required.

13.1.3. Test Result

SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: PoC Radio													
Test Mode: LTE Band 2													
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tune up Power (dBm)	Meas. Output Power (dBm)	Tune-up Scaling factor	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START									
20	QPSK	Body back touch with accessories	1	0	18900	1880	0.07	**0.265**	22.50	21.74	1.191	**0.316**	1.6
		Face up	1	0	18900	1880	-0.19	**0.229**	22.50	21.74	1.191	**0.273**	1.6

SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: PoC Radio													
Test Mode: LTE Band 4													
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. Output Power (dBm)	Tune-up Scaling factor	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START									
20	QPSK	Body back touch with accessories	1	0	20050	1720	0.33	0.912	22.50	21.95	1.135	**1.035**	1.6
		Body back touch with accessories	1	0	20175	1732.5	-0.07	0.828	22.50	21.88	1.153	0.955	1.6
		Body back touch with accessories	1	0	20300	1745	-0.15	**0.936**	22.50	22.12	1.091	1.022	1.6
		Face up	1	0	20175	1732.5	0.39	**0.146**	22.50	21.88	1.153	**0.168**	1.6

SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: PoC Radio													
Test Mode: LTE Band 5													
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. Output Power (dBm)	Tune-up Scaling factor	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START									
10	QPSK	Body back touch with accessories	1	0	20525	836.5	-0.13	**0.313**	23.00	22.61	1.094	**0.342**	1.6
		Face up	1	0	20525	836.5	0.28	**0.303**	23.00	22.61	1.094	**0.331**	1.6

SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: PoC Radio													
Test Mode: LTE Band 7													
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. Output Power (dBm)	Tune-up Scaling factor	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START									
20	QPSK	Body back touch with accessories	1	0	21100	2535	0.06	**0.292**	22.00	21.48	1.127	**0.329**	1.6
		Face up	1	0	21100	2535	-0.09	**0.104**	22.00	21.48	1.127	**0.117**	1.6

SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: LTE smartphone													
Test Mode: LTE Band 66													
BW MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. Output Power (dBm)	Tune-up Scaling factor	Scaled SAR (W/Kg)	Limit (W/kg)
			UL RB Allocation	UL RB START									
20	QPSK	Body back touch with accessories	1	0	132322	1745	0.11	**0.656**	22.50	21.64	1.219	**0.800**	1.6
		Face up	1	0	132322	1745	-0.13	**0.227**	22.50	21.64	1.219	**0.277**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

Repeated SAR											
Product: PoC Radio											
Test Mode: LTE Band 4											
Position	Mode		Ch.	Fr. (MHz)	Power Drift (<±5%)	Once SAR (1g) (W/kg)	Power Drift (<±5%)	Twice SAR (1g) (W/kg)	Power Drift (<±5%)	Third SAR (1g) (W/kg)	Limit W/kg
	UL RB Allocation	UL RB START									
Body back touch with accessories	1	0	20300	1745	0.10	0.928	--	--	--	--	1.6

The second repeated SAR judge reference									
Product: PoC Radio									
Band	Position	Mode		Ch.	Fr. (MHz)	Original SAR (1g) (W/kg)	First SAR (1g) (W/kg)	Ratio	Limit
		UL RB Allocation	UL RB START						
LTE Band 4	Body back touch with accessories	1	0	20300	1745	0.936	0.928	1.009	＜1.2

APPENDIX A. SAR SYSTEM CHECK DATA

Test Laboratory: AGC Lab **Date: Jul. 21, 2025**

System Check Head 835 MHz

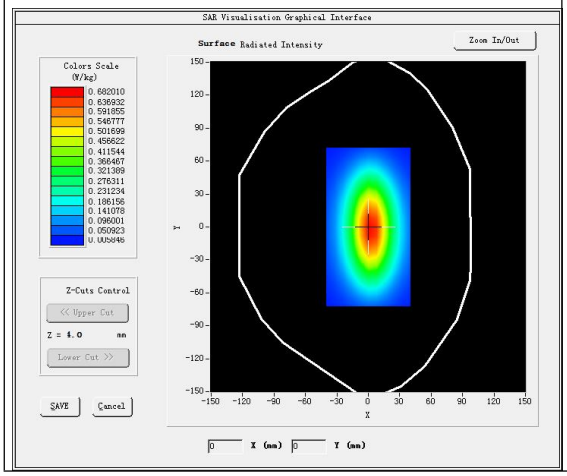
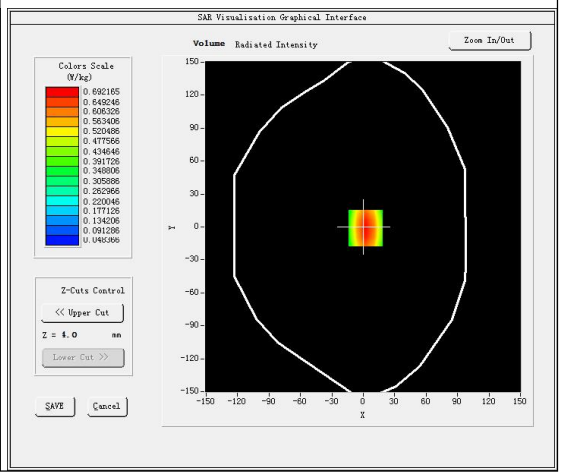
DUT: Dipole 835 MHz Type: SID 835

Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1; Conv.F=2.23
Frequency: 835 MHz; Medium parameters used: f = 835 MHz; σ=0.91 mho/m; εr =42.51; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

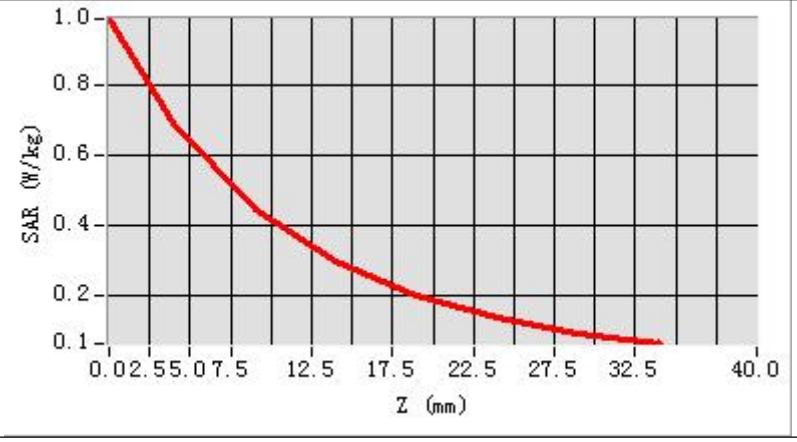
Configuration/System Check 835MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 835MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

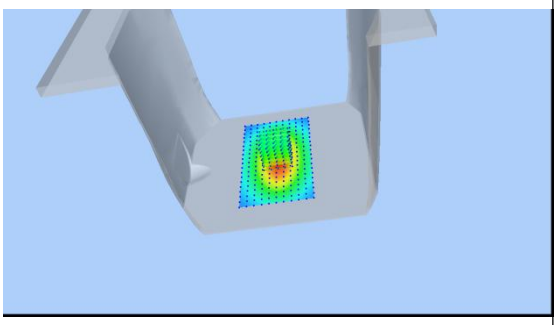
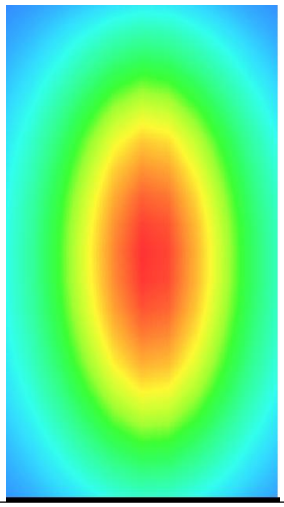
SURFACE SAR	VOLUME SAR
	

Maximum location: X=2.00, Y=-1.00
SAR Peak: 0.97 W/kg

SAR 10g (W/Kg)	0.392518
SAR 1g (W/Kg)	0.636571

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.9861	0.6935	0.4469	0.2972	0.2025	0.1374	0.0928

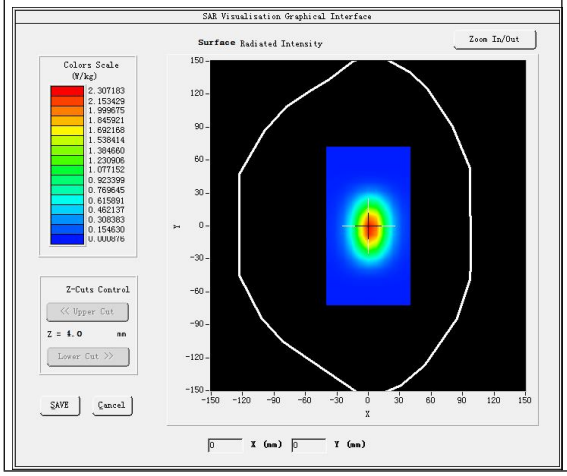
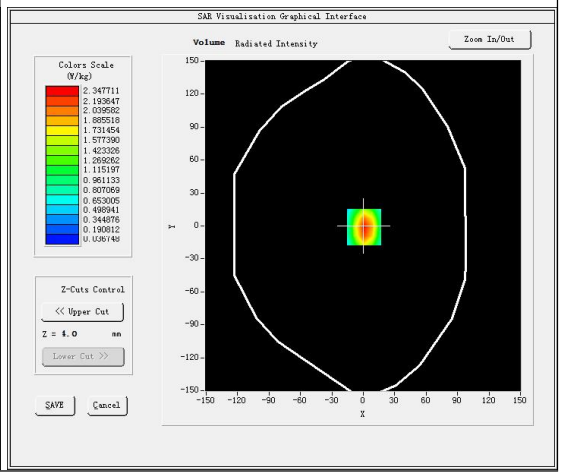


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jul. 20, 2025**
System Check Head 1750MHz
DUT: Dipole 1800 MHz; Type: SID 1800
Communication System: CW; Communication System Band: D1700 (1750.0 MHz); Duty Cycle:1:1; Conv.F=2.33
Frequency: 1750 MHz; Medium parameters used: f = 1750MHz; σ=1.35 mho/m; εr =39.83; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

SATIMO Configuration:
- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

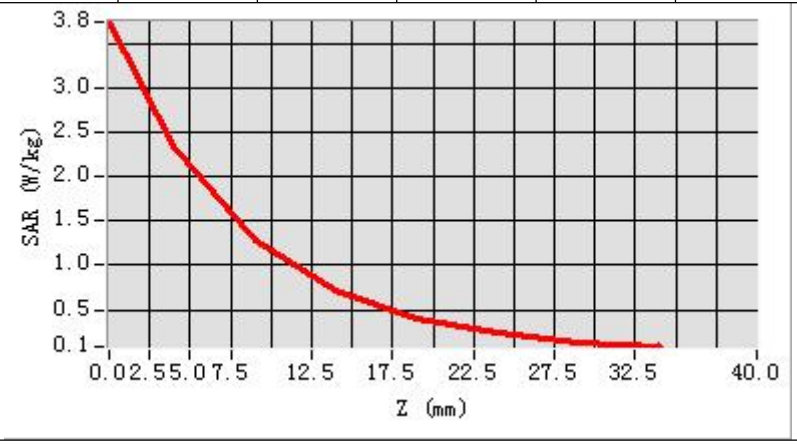
Configuration/System Check 1750MHz **Head/Area Scan:** Measurement grid: dx=8mm,dy=8mm
Configuration/System Check 1750MHz **Head/Zoom Scan:** Measurement grid: dx=8mm,dy=8mm, dz=5mm

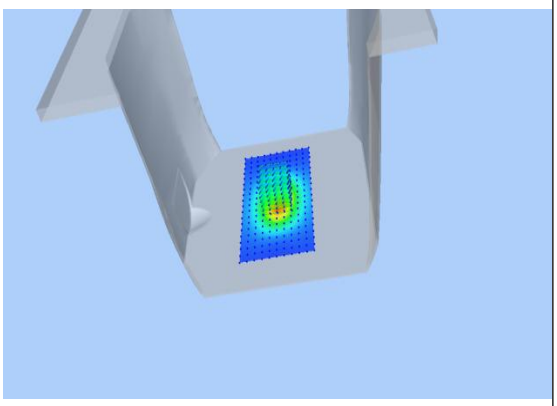
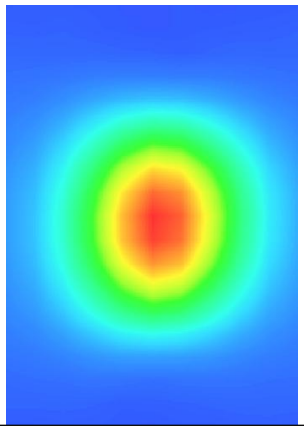
SURFACE SAR	VOLUME SAR
	

Maximum location: X=1.00, Y=-1.00
SAR Peak: 3.76 W/kg

SAR 10g (W/Kg)	1.172151
SAR 1g (W/Kg)	2.238515

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	3.7572	2.3465	1.2736	0.7141	0.4082	0.2314	0.1367

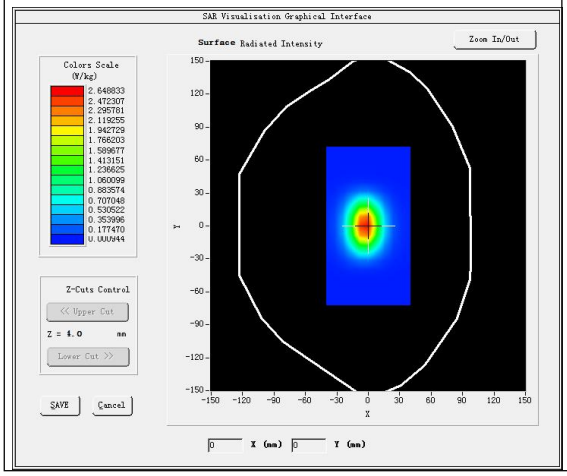
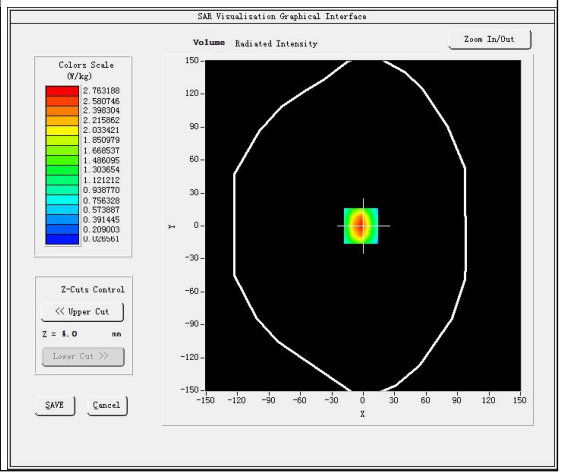


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jul. 19, 2025**
System Check Head 1900MHz
DUT: Dipole 1900 MHz; Type: SID 1900
Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1; Conv.F=2.25
Frequency: 1900 MHz; Medium parameters used: f = 1900 MHz; σ=1.36 mho/m; εr =41.27; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

SATIMO Configuration:
- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

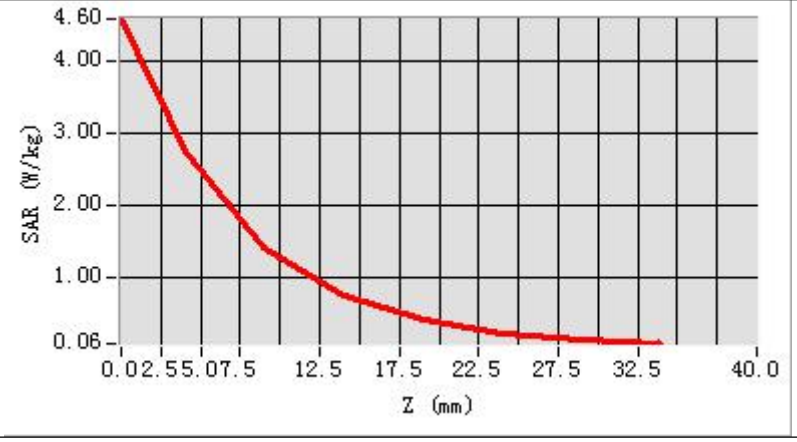
Configuration/System Check 1900MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 1900MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

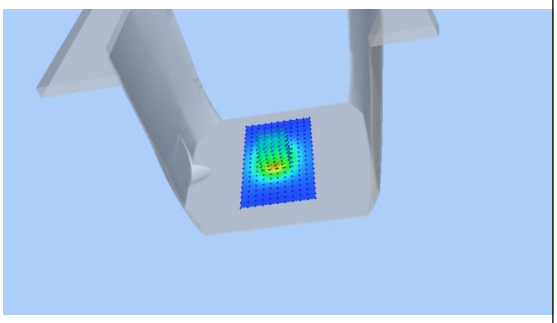
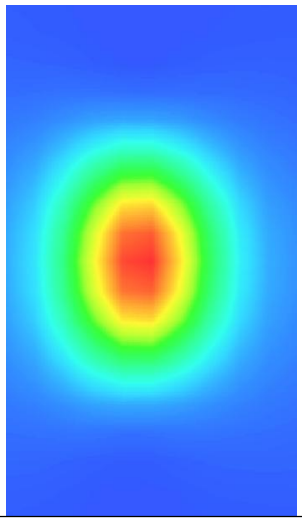
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-2.00, Y=0.00
SAR Peak: 4.59 W/kg

SAR 10g (W/Kg)	1.265071
SAR 1g (W/Kg)	2.599302

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	4.5979	2.7632	1.3999	0.7411	0.3943	0.2133	0.1159

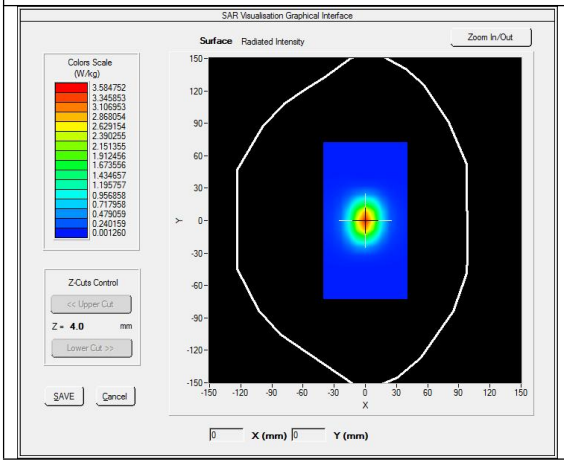
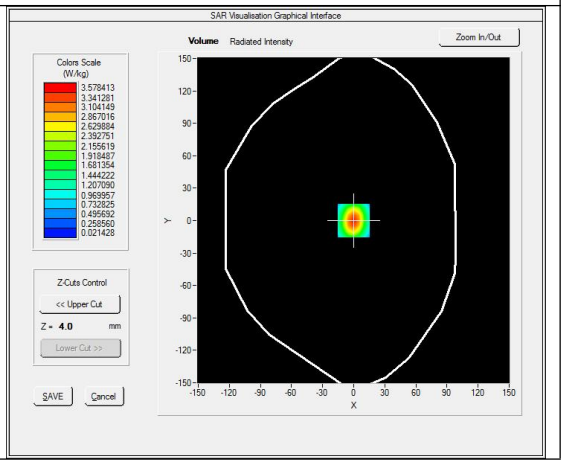


3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Jul. 22, 2025**
System Check Head 2600MHz
DUT: Dipole 2600 MHz; Type: SID 2600
Communication System: CW; Communication System Band: D2600 (2600.0 MHz); Duty Cycle: 1:1; Conv.F=2.19
Frequency:2600 MHz; Medium parameters used: f = 2600 MHz; σ=1.98 mho/m; εr =38.64; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=18dBm

SATIMO Configuration:
- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

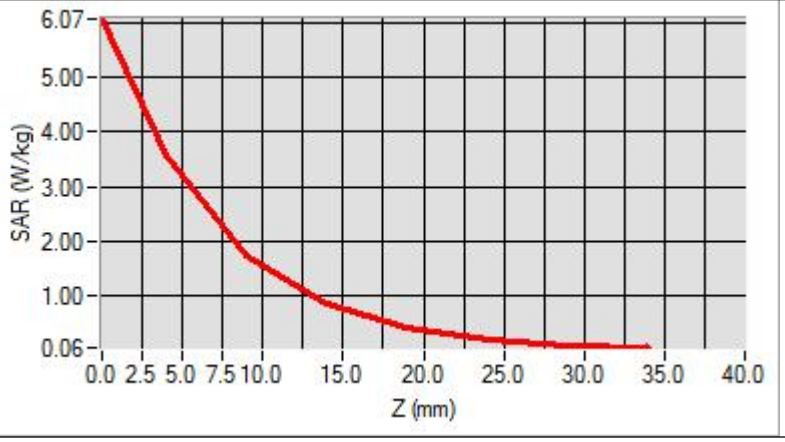
Configuration/System Check 2600 Head/Area Scan: Measurement grid: dx=8mm,dy=8mm
Configuration/System Check 2600 Head/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

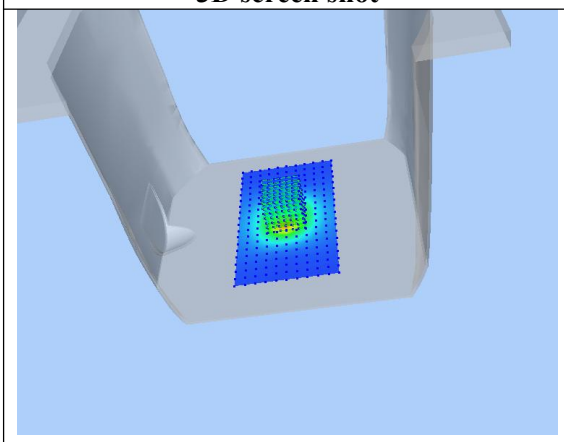
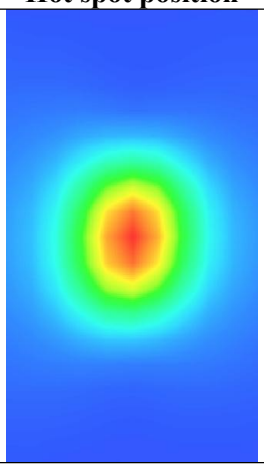
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00
SAR Peak: 6.00 W/kg

SAR 10g (W/Kg)	1.527149
SAR 1g (W/Kg)	3.344408

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.0621	3.5763	1.7427	0.8603	0.4348	0.2274	0.1151



3D screen shot	Hot spot position
	

APPENDIX B. SAR MEASUREMENT DATA

Test Laboratory: AGC Lab **Date: Jul. 19, 2025**

LTE Band 2 Mid-Body back touch with accessories (1 RB#0)

DUT: PoC Radio; Type: X2

Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=2.25; Frequency:1880MHz; Medium parameters used: f = 1900 MHz; σ= 1.35 mho/m; εr =41.69; ρ= 1000 kg/m³ ; Phantom section: Flat Section

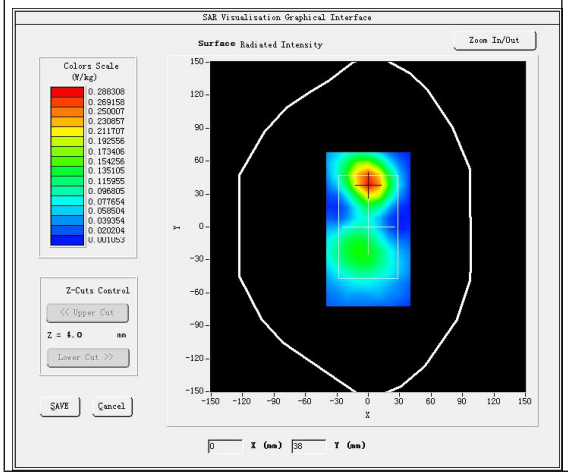
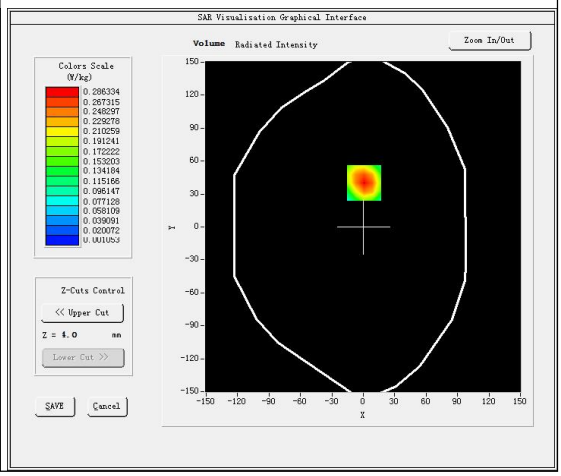
SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 2 Mid-Body back touch with accessories/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band 2 Mid-Body back touch with accessories/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body back touch with accessories
Band	LTE Band 2
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

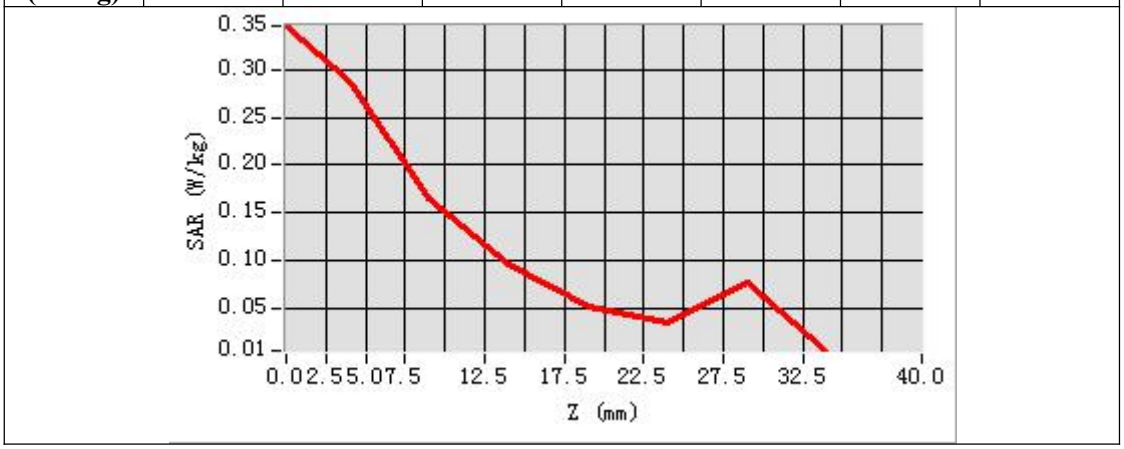
SURFACE SAR	VOLUME SAR
	

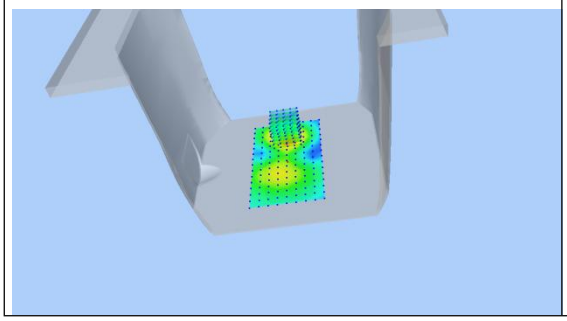
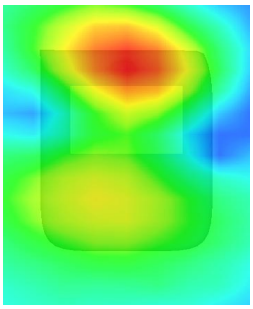
Maximum location: X=1.00, Y=40.00

SAR Peak: 0.52 W/kg

SAR 10g (W/Kg)	0.148020
SAR 1g (W/Kg)	0.265066

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3454	0.2863	0.1652	0.0970	0.0530	0.0363	0.0776



3D screen shot	Hot spot position
	

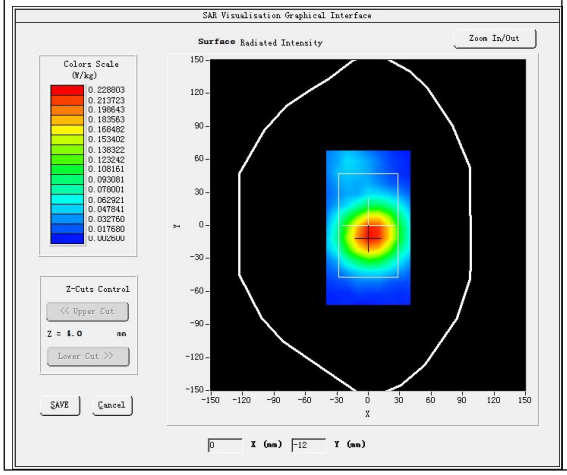
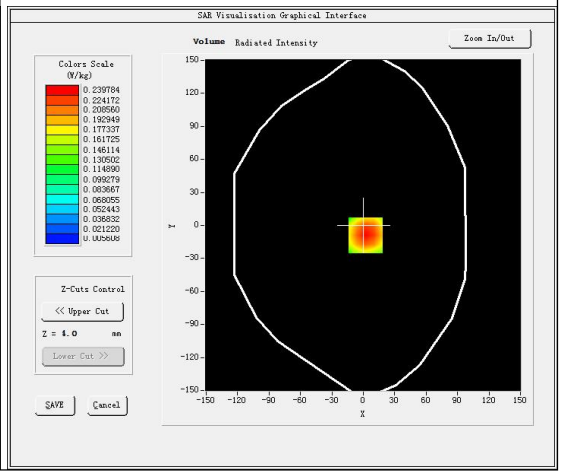
Test Laboratory: AGC Lab **Date: Jul. 19, 2025**
LTE Band 2 Mid-Face up 25mm (1 RB#0)
DUT: PoC Radio; Type: X2

Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=2.25; Frequency:1880MHz; Medium parameters used: f = 1900 MHz; σ= 1.35 mho/m; εr =41.69; ρ= 1000 kg/m³ ; Phantom section: Flat Section

SATIMO Configuration:
- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 2 Mid-Face up 25mm/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 2 Mid-Face up 25mm/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

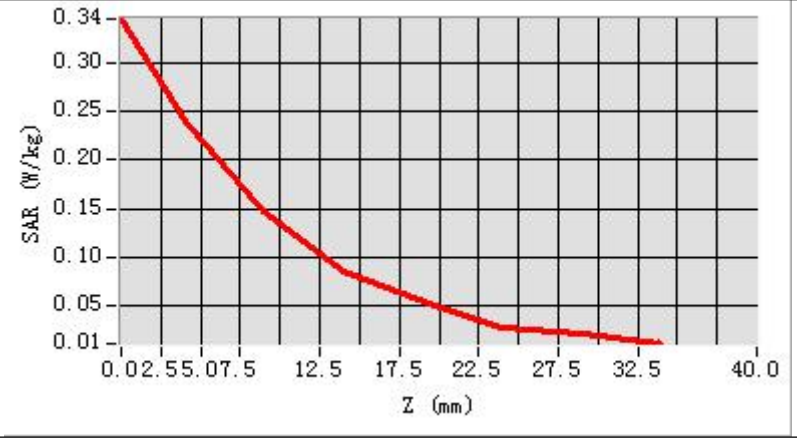
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face up 25mm
Band	LTE Band 2
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

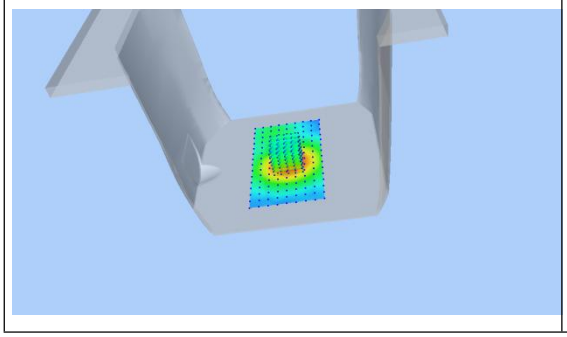
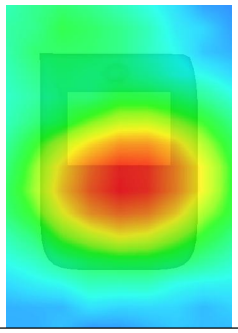
SURFACE SAR	VOLUME SAR
	

Maximum location: X=2.00, Y=-9.00
SAR Peak: 0.36 W/kg

SAR 10g (W/Kg)	0.134016
SAR 1g (W/Kg)	0.229169

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3446	0.2398	0.1469	0.0859	0.0541	0.0280	0.0218



3D screen shot	Hot spot position
	

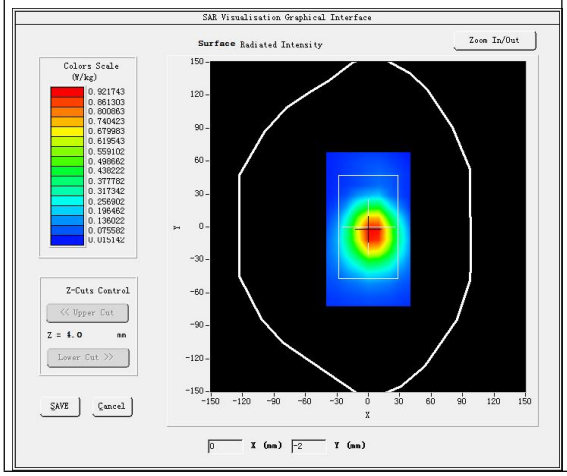
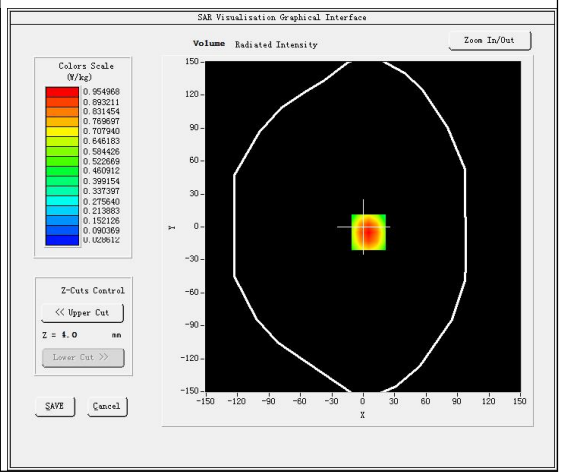
Test Laboratory: AGC Lab **Date: Jul. 20, 2025**
LTE Band 4 Low-Body back touch with accessories (1 RB#0)
DUT: PoC Radio; Type: X2

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=2.28; Frequency:1720 MHz; Medium parameters used: f = 1750 MHz; σ= 1.32 mho/m; εr =40.86; ρ= 1000 kg/m³ ; Phantom section: Flat Section

SATIMO Configuration:
- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 4 Low-Body back touch with accessories/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 4 Low-Body back touch with accessories/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

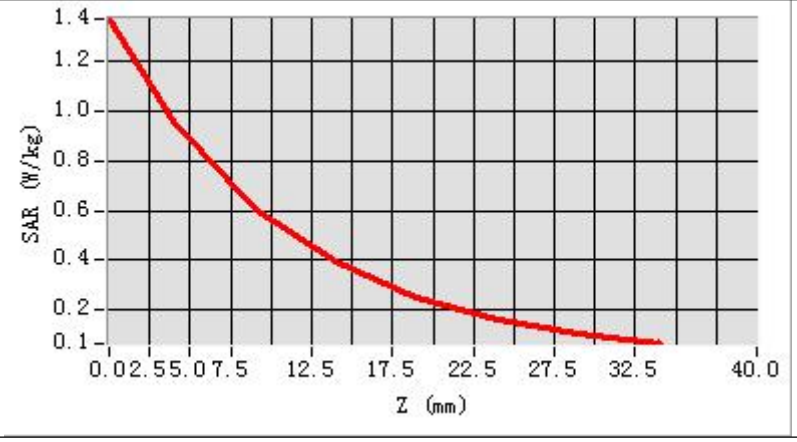
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body back touch with accessories
Band	LTE Band 4
Channels	Low
Signal	OFDM (Crest factor: 1.0)

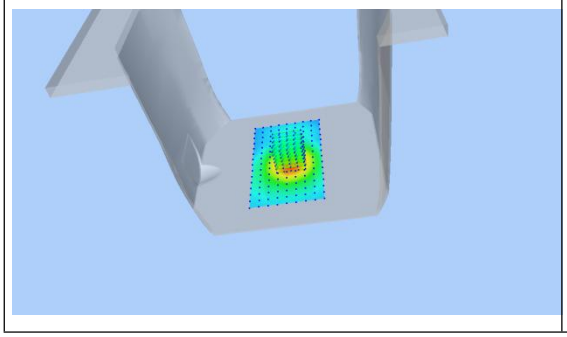
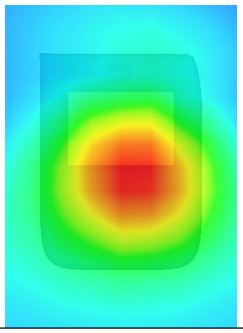
SURFACE SAR	VOLUME SAR
	

Maximum location: X=5.00, Y=-5.00
SAR Peak: 1.36 W/kg

SAR 10g (W/Kg)	0.548868
SAR 1g (W/Kg)	0.912390

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.3668	0.9550	0.6069	0.3925	0.2531	0.1613	0.1029



3D screen shot	Hot spot position
	

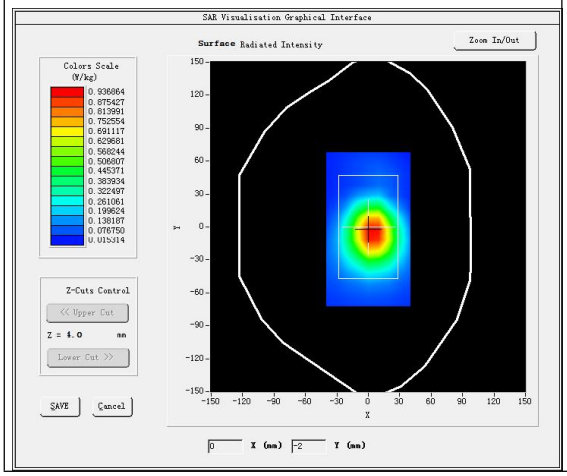
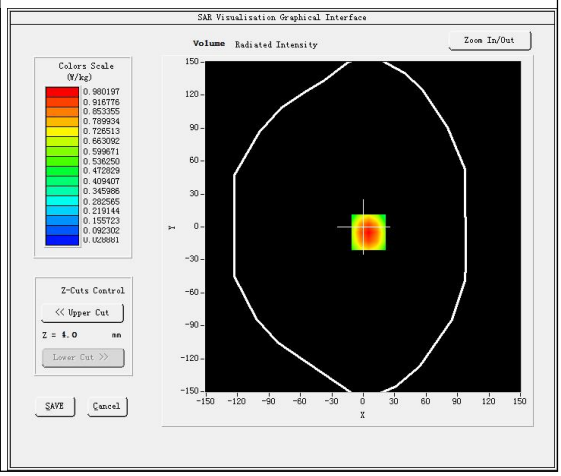
Test Laboratory: AGC Lab **Date: Jul. 20, 2025**
LTE Band 4 High-Body back touch with accessories (1 RB#0)
DUT: PoC Radio; Type: X2

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=2.28; Frequency:1745 MHz; Medium parameters used: f = 1750 MHz; σ= 1.32 mho/m; εr =40.86; ρ= 1000 kg/m³ ; Phantom section: Flat Section

SATIMO Configuration:
- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 4 High-Body back touch with accessories/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 4 High-Body back touch with accessories/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

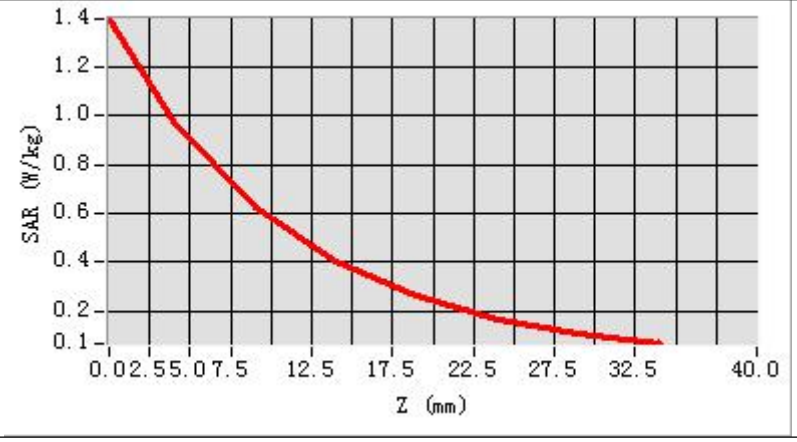
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body back touch with accessories
Band	LTE Band 4
Channels	High
Signal	OFDM (Crest factor: 1.0)

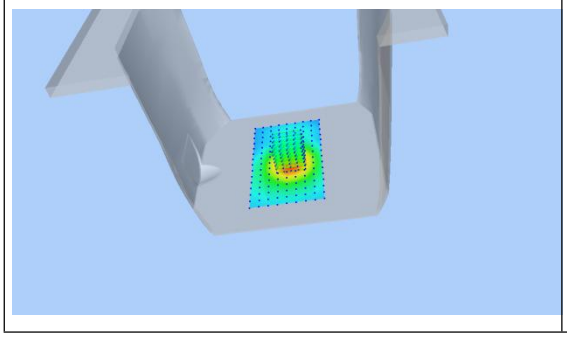
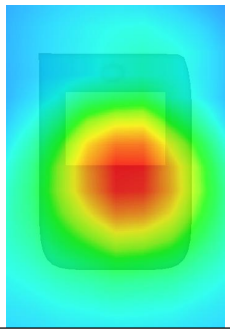
SURFACE SAR	VOLUME SAR
	

Maximum location: X=5.00, Y=-5.00
SAR Peak: 1.39 W/kg

SAR 10g (W/Kg)	0.564862
SAR 1g (W/Kg)	0.935948

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.3965	0.9802	0.6254	0.4045	0.2609	0.1666	0.1064



3D screen shot	Hot spot position
	

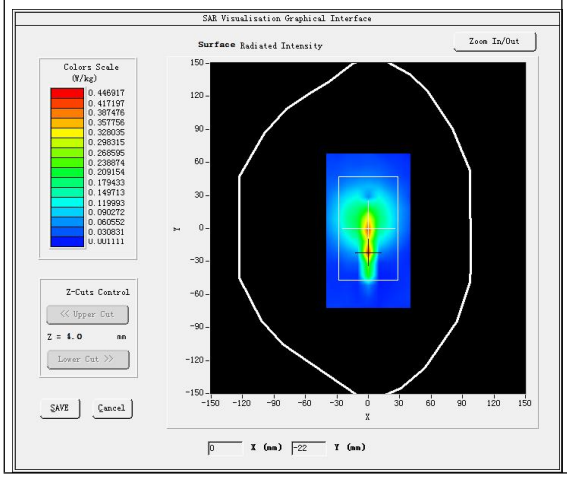
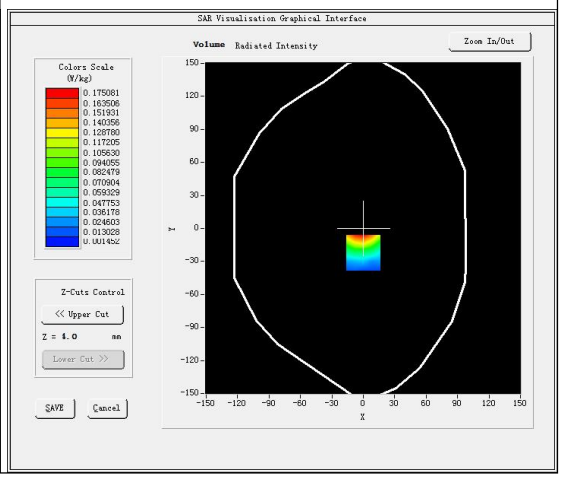
Test Laboratory: AGC Lab **Date: Jul. 20, 2025**
LTE Band 4 Mid-Face up 25mm (1 RB#0)
DUT: PoC Radio; Type: X2

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=2.28; Frequency:1732.5 MHz; Medium parameters used: f = 1750 MHz; σ= 1.32 mho/m; εr =40.86; ρ= 1000 kg/m³ ; Phantom section: Flat Section

SATIMO Configuration:
- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 4 Mid-Face up 25mm/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 4 Mid-Face up 25mm/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

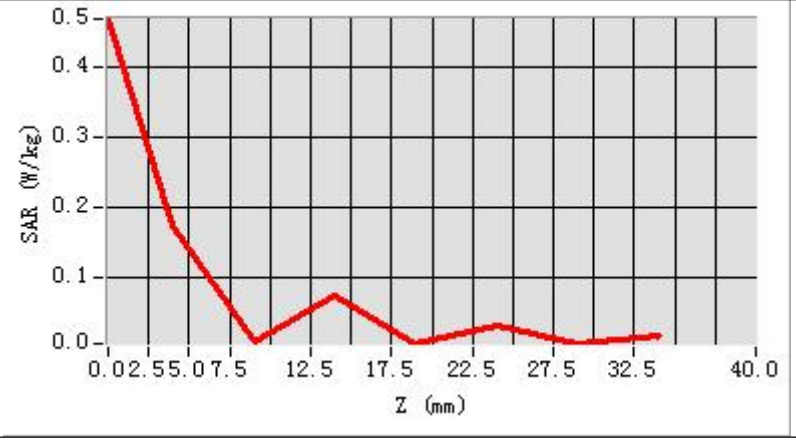
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face up 25mm
Band	LTE Band 4
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

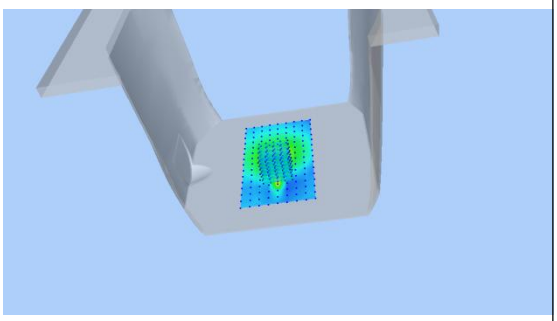
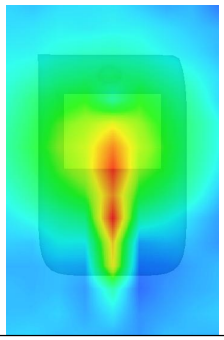
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=-22.00
SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)	0.071448
SAR 1g (W/Kg)	0.146369

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4676	0.1751	0.0097	0.0758	0.0064	0.0330	0.0062



3D screen shot	Hot spot position
	

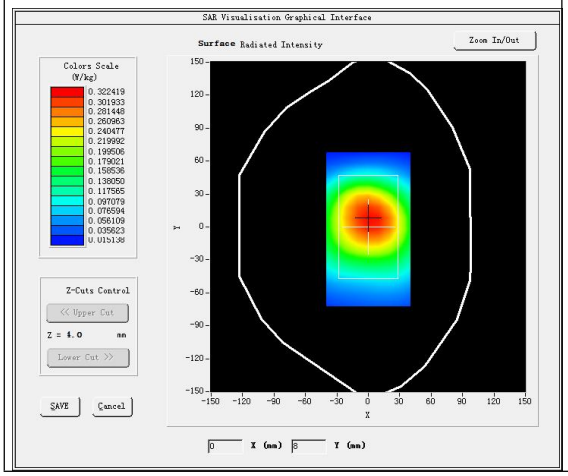
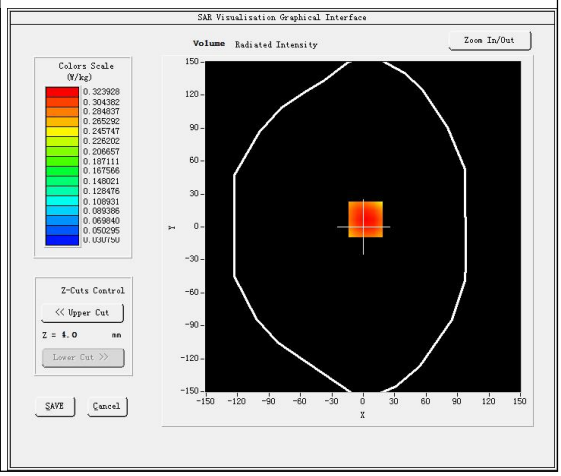
Test Laboratory: AGC Lab **Date: Jul. 21, 2025**
LTE Band 5 Mid-Body back touch with accessories (1 RB#0)
DUT: PoC Radio; Type: X2

Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1; Conv.F=2.23
Frequency:836.5 MHz; Medium parameters used: f = 835 MHz; σ=0.93mho/m; εr =41.68; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

SATIMO Configuration:
- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 5 Mid-Body back touch with accessories/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 5 Mid-Body back touch with accessories/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

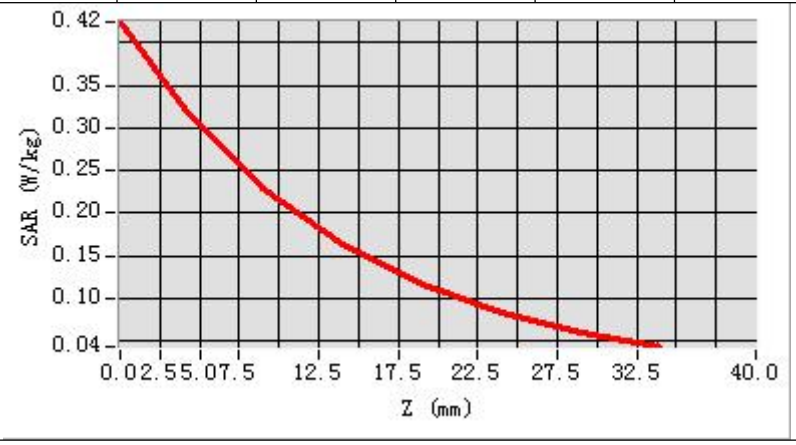
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body back touch with accessories
Band	LTE Band 5
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

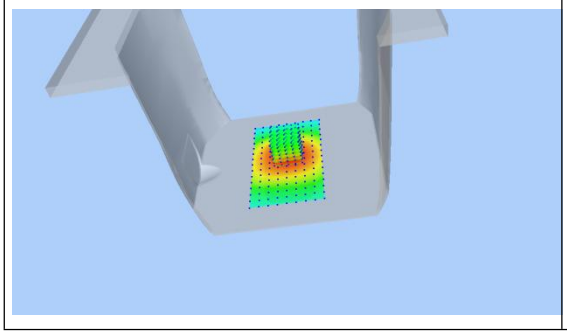
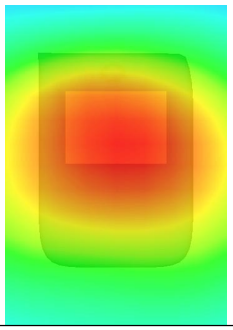
SURFACE SAR	VOLUME SAR
	

Maximum location: X=2.00, Y=7.00
SAR Peak: 0.43 W/kg

SAR 10g (W/Kg)	0.216935
SAR 1g (W/Kg)	0.312772

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4245	0.3239	0.2296	0.1638	0.1164	0.0828	0.0601



3D screen shot	Hot spot position
	

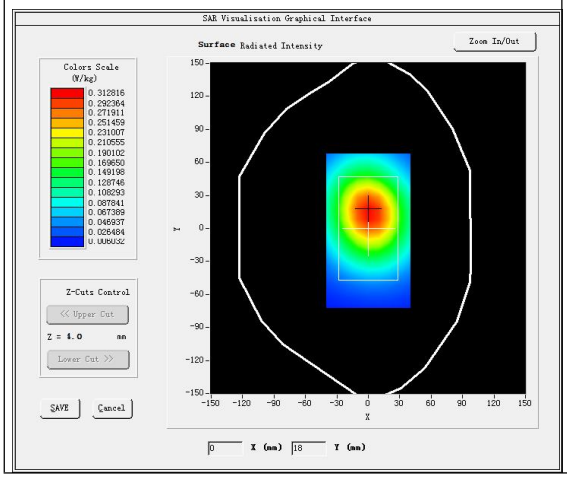
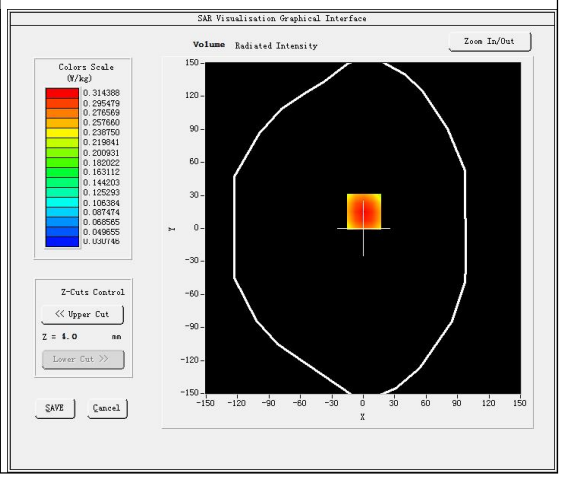
Test Laboratory: AGC Lab **Date: Jul. 21, 2025**
LTE Band 5 Mid-Face up 25mm (1 RB#0)
DUT: PoC Radio; Type: X2

Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1; Conv.F=2.23
Frequency:836.5 MHz; Medium parameters used: f = 835 MHz; σ=0.93mho/m; εr =41.68; ρ= 1000 kg/m³ ;
Phantom section: Flat Section

SATIMO Configuration:
- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 5 Mid-Face up 25mm/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 5 Mid-Face up 25mm/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

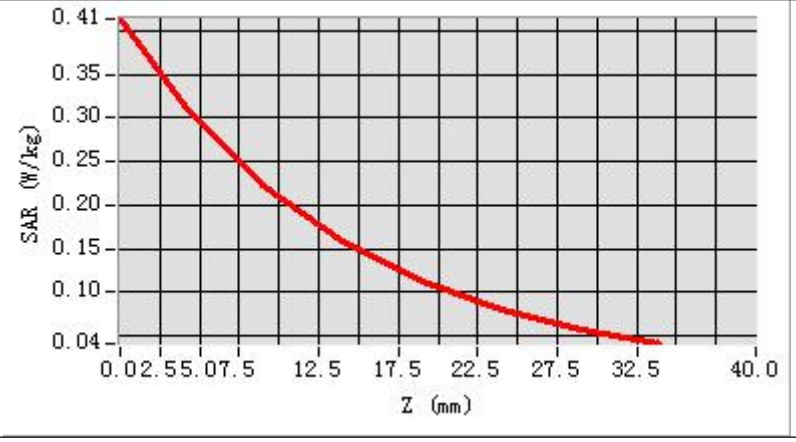
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face up 25mm
Band	LTE Band 5
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

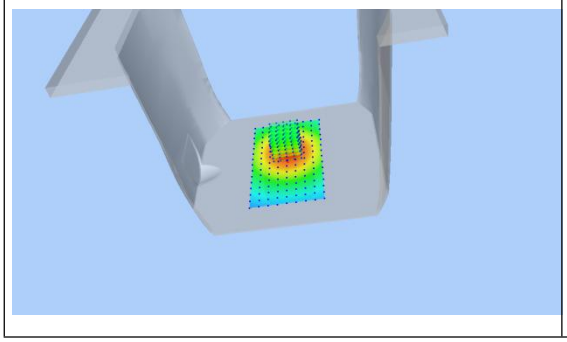
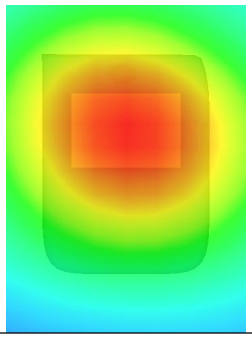
SURFACE SAR	VOLUME SAR
	

Maximum location: X=1.00, Y=15.00
SAR Peak: 0.41 W/kg

SAR 10g (W/Kg)	0.207161
SAR 1g (W/Kg)	0.303129

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4141	0.3144	0.2217	0.1574	0.1117	0.0791	0.0572



3D screen shot	Hot spot position
	

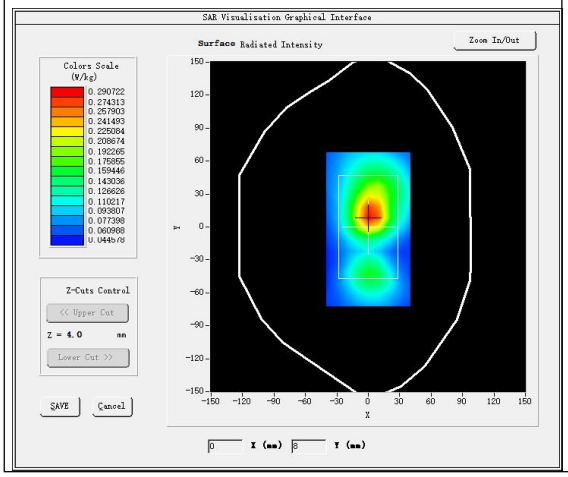
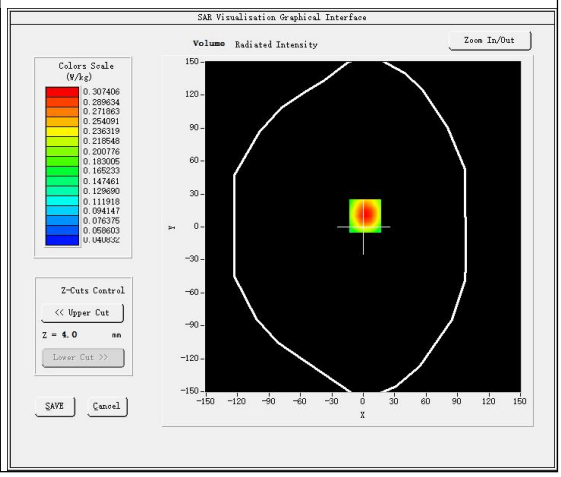
Test Laboratory: AGC Lab **Date: Jul. 22, 2025**
LTE Band 7 Mid-Body back touch with accessories (1RB#0)
DUT: PoC Radio; Type: X2

Communication System: LTE; Communication System Band: LTE Band 7; Duty Cycle:1:1; Conv.F=2.19
Frequency: 2535MHz; Medium parameters used: f =2600 MHz; σ=1.96 mho/m; εr =39.33; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section

SATIMO Configuration:
- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE BAND 7 Mid-Body back touch with accessories /Area Scan: Measurement grid: dx=10mm, y=10mm
Configuration/ LTE BAND 7 Mid-Body back touch with accessories /Zoom Scan: Measurement grid: dx=5mm, dy=5mm, dz=5mm

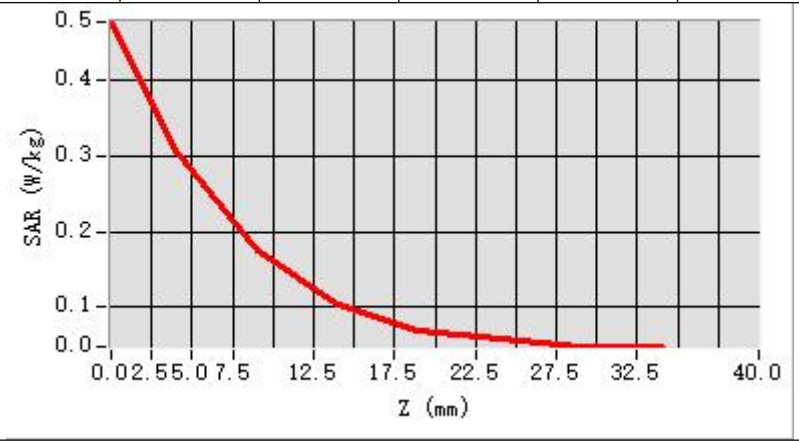
Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body back touch with accessories
Band	LTE BAND 7
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

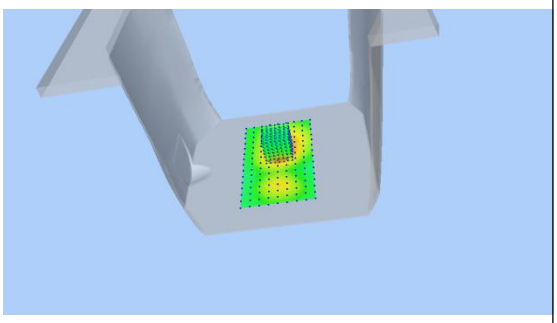
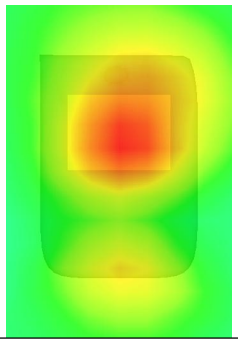
SURFACE SAR	VOLUME SAR
	

Maximum location: X=2.00, Y=10.00
SAR Peak: 0.48 W/kg

SAR 10g (W/Kg)	0.167901
SAR 1g (W/Kg)	0.292035

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4783	0.3074	0.1756	0.1041	0.0686	0.0571	0.0476



3D screen shot	Hot spot position
	

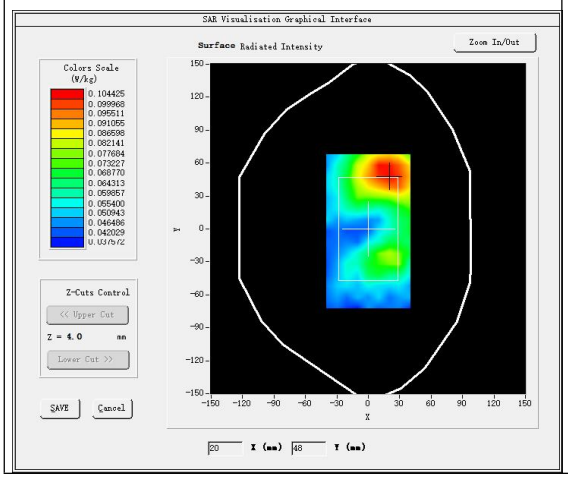
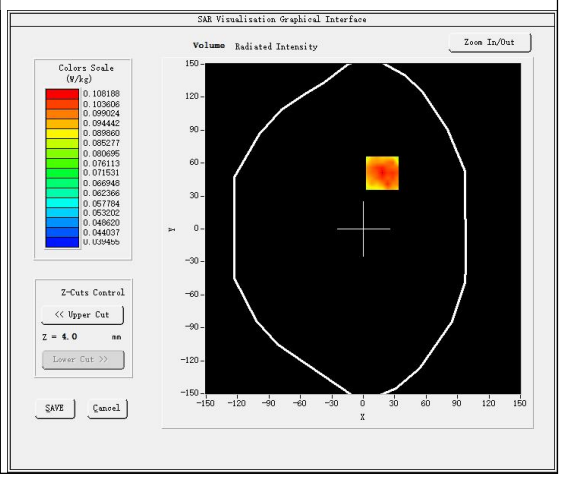
Test Laboratory: AGC Lab **Date: Jul. 22, 2025**
LTE Band 7 Mid-Face up 25mm (1RB#0)
DUT: PoC Radio; Type: X2

Communication System: LTE; Communication System Band: LTE Band 7; Duty Cycle:1:1; Conv.F=2.19
Frequency: 2535MHz; Medium parameters used: f =2600 MHz; σ=1.96 mho/m; εr =39.33; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section

SATIMO Configuration:
- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE BAND 7 Mid-Face up 25mm /Area Scan: Measurement grid: dx=10mm, y=10mm
Configuration/ LTE BAND 7 Mid-Face up 25mm /Zoom Scan: Measurement grid: dx=5mm, dy=5mm, dz=5mm

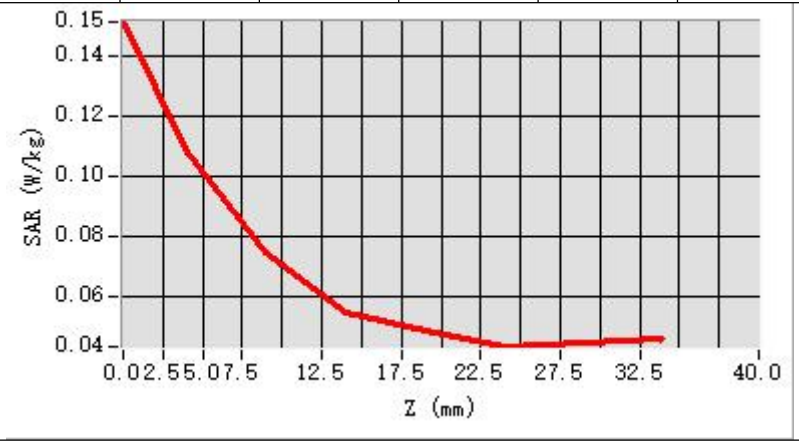
Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Face up 25mm
Band	LTE BAND 7
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

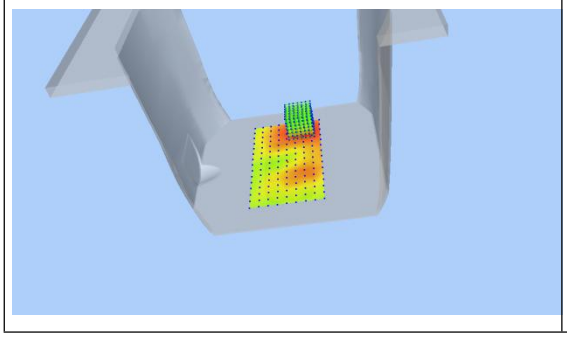
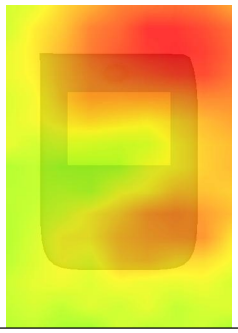
SURFACE SAR	VOLUME SAR
	

Maximum location: X=18.00, Y=51.00
SAR Peak: 0.16 W/kg

SAR 10g (W/Kg)	0.074299
SAR 1g (W/Kg)	0.103879

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1514	0.1082	0.0747	0.0548	0.0487	0.0435	0.0451



3D screen shot	Hot spot position
	

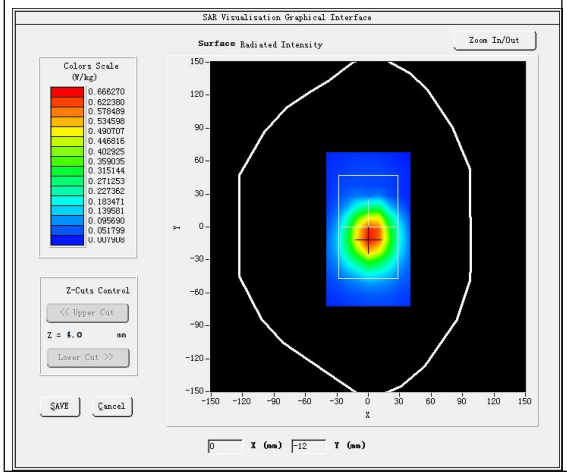
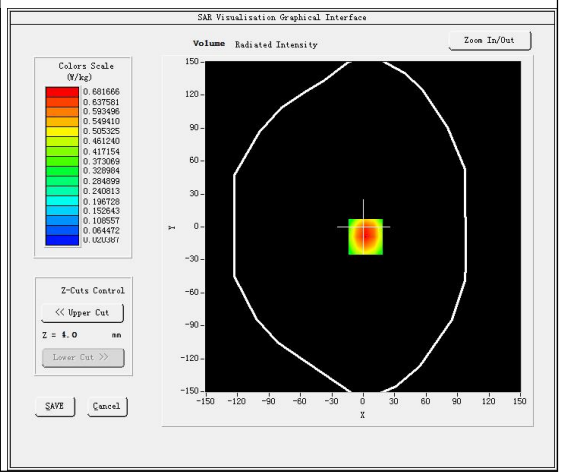
Test Laboratory: AGC Lab **Date: Jul. 20, 2025**
LTE Band 66 Mid-Body back touch with accessories (1 RB#0)
DUT: PoC Radio; Type: X2

Communication System: LTE; Communication System Band: LTE Band 66; Duty Cycle:1:1; Conv.F=2.28; Frequency:1745 MHz; Medium parameters used: f = 1750 MHz; σ=1.33 mho/m; εr =40.22; ρ= 1000 kg/m³ ; Phantom section: Flat Section

SATIMO Configuration:
- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 66 Mid-Body back touch with accessories/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 66 Mid-Body back touch with accessories/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

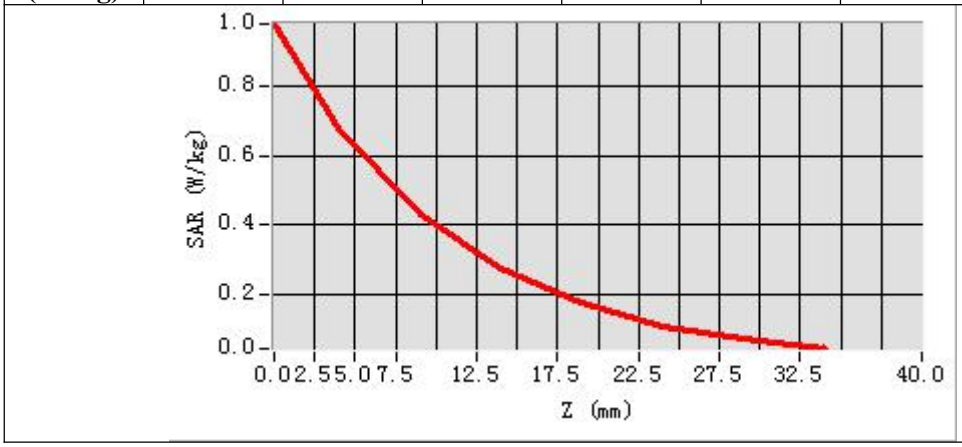
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body back touch with accessories
Band	LTE Band 66
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

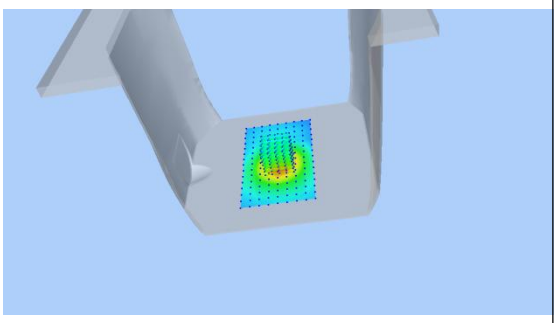
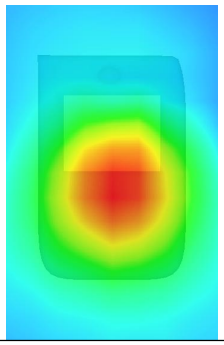
SURFACE SAR	VOLUME SAR
	

Maximum location: X=2.00, Y=-9.00
SAR Peak: 1.01 W/kg

SAR 10g (W/Kg)	0.387882
SAR 1g (W/Kg)	0.656227

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.9806	0.6817	0.4295	0.2736	0.1763	0.1100	0.0709



3D screen shot	Hot spot position
	

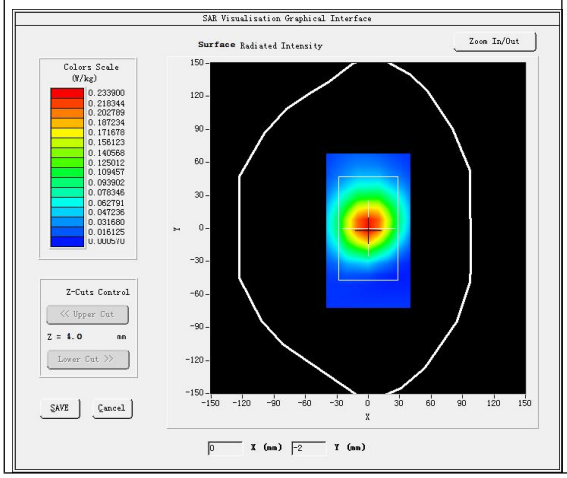
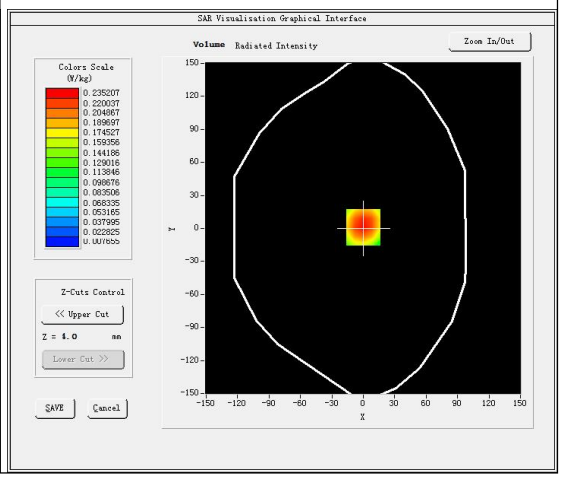
Test Laboratory: AGC Lab **Date: Jul. 20, 2025**
LTE Band 66 Mid-Face up 25mm (1 RB#0)
DUT: PoC Radio; Type: X2

Communication System: LTE; Communication System Band: LTE Band 66; Duty Cycle:1:1; Conv.F=2.28; Frequency:1745 MHz; Medium parameters used: f = 1750 MHz; σ=1.33 mho/m; εr =40.22; ρ= 1000 kg/m³ ; Phantom section: Flat Section

SATIMO Configuration:
- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 66 Mid-Face up 25mm/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 66 Mid-Face up 25mm/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

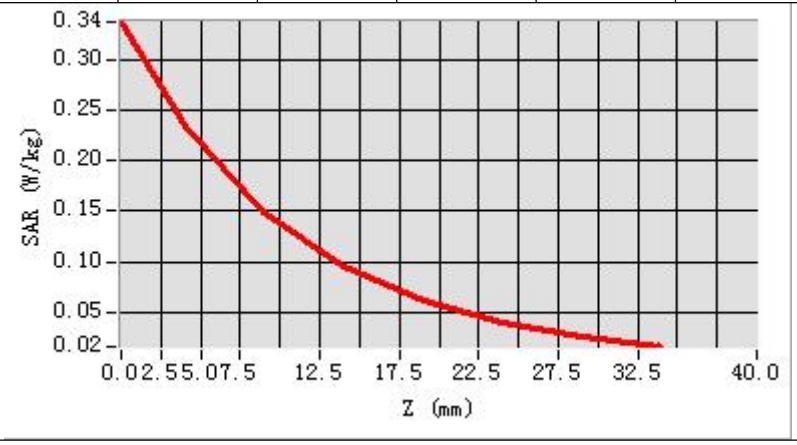
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Face up 25mm
Band	LTE Band 66
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

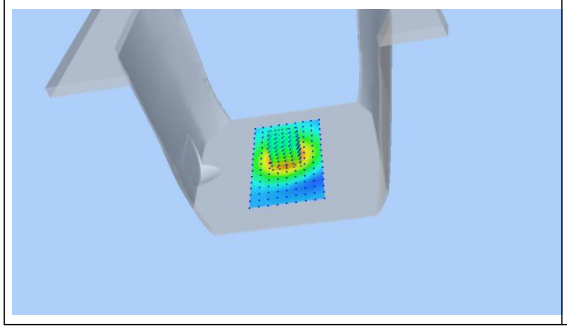
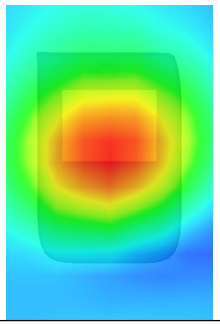
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=1.00
SAR Peak: 0.34 W/kg

SAR 10g (W/Kg)	0.138164
SAR 1g (W/Kg)	0.227129

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3382	0.2352	0.1482	0.0945	0.0606	0.0385	0.0246



3D screen shot	Hot spot position
	

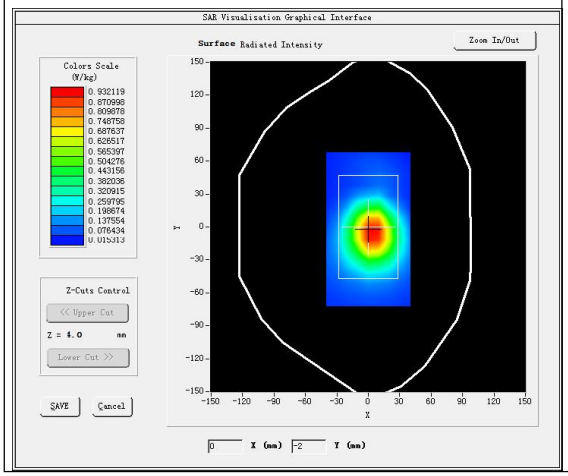
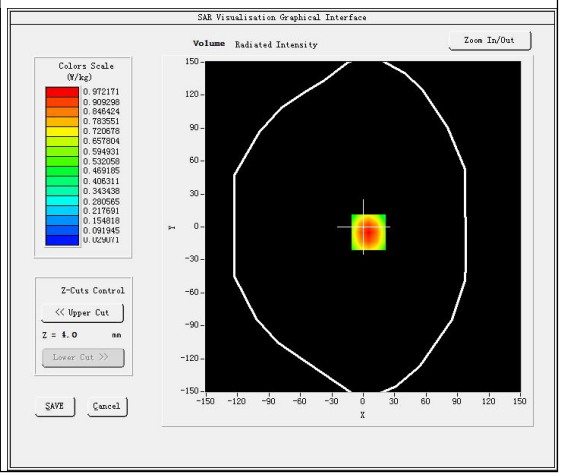
Repeated SAR
Test Laboratory: AGC Lab **Date: Jul. 20, 2025**
LTE Band 4 High-Body back touch with accessories (1 RB#0)
DUT: PoC Radio; Type: X2

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=2.28; Frequency:1745 MHz; Medium parameters used: f = 1750 MHz; σ= 1.32 mho/m; εr =40.86; ρ= 1000 kg/m³ ; Phantom section: Flat Section

SATIMO Configuration:
- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 4 High-Body back touch with accessories/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 4 High-Body back touch with accessories/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

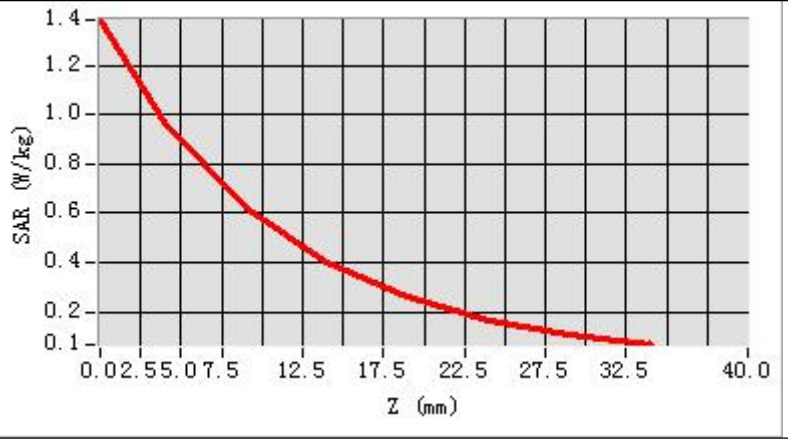
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body back touch with accessories
Band	LTE Band 4
Channels	High
Signal	OFDM (Crest factor: 1.0)

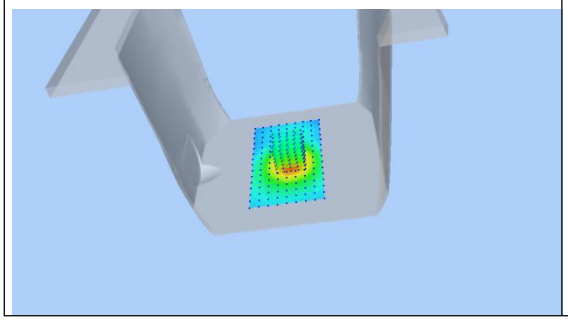
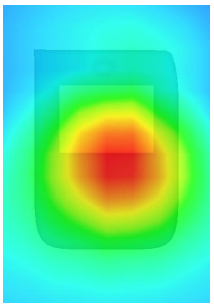
SURFACE SAR	VOLUME SAR
	

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

SAR 10g (W/Kg)	0.559414
SAR 1g (W/Kg)	0.928390

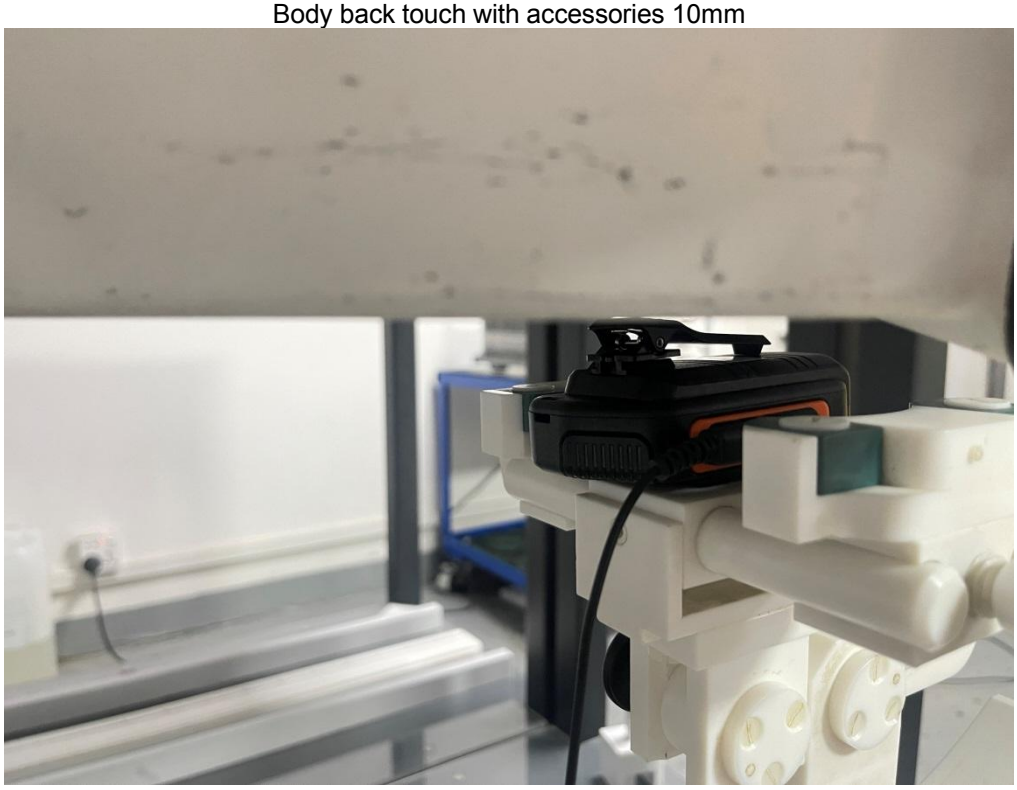
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.3834	0.9722	0.6205	0.4010	0.2586	0.1653	0.1064



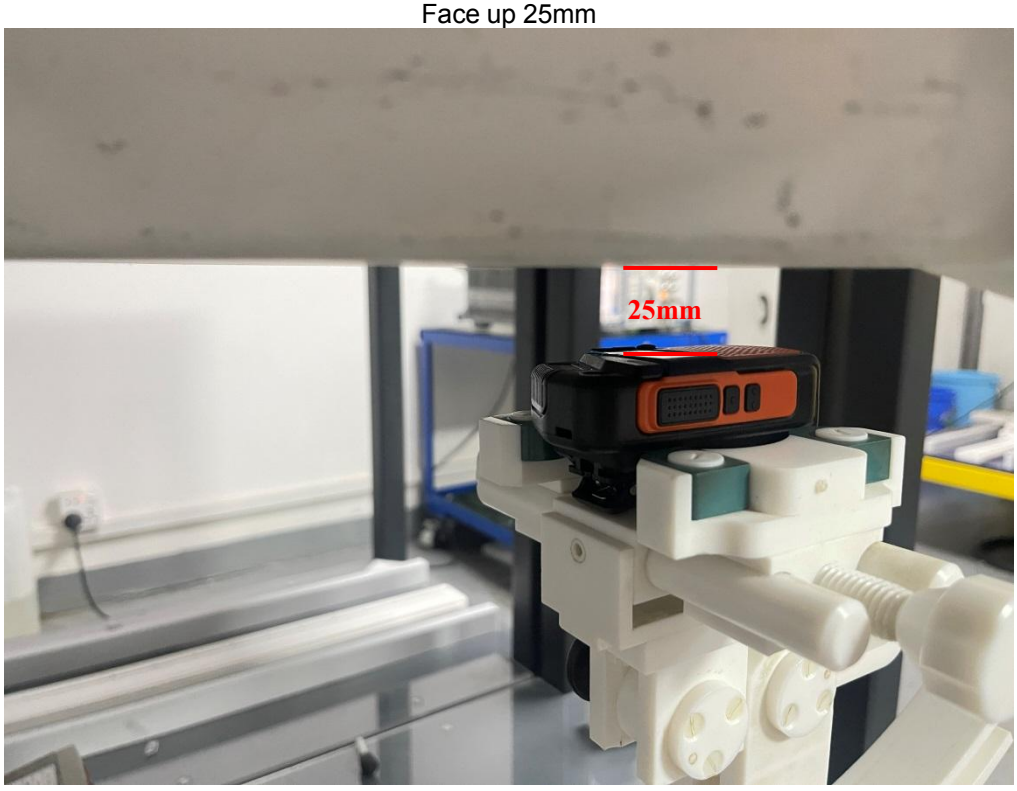
3D screen shot	Hot spot position
	

APPENDIX C. TEST SETUP PHOTOGRAPHS

Body back touch with accessories 10mm

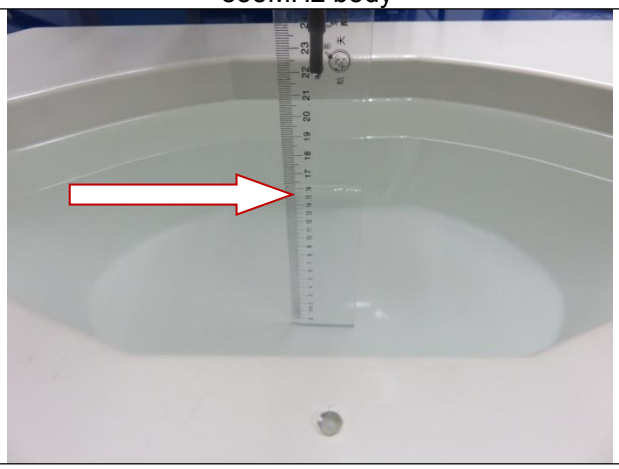
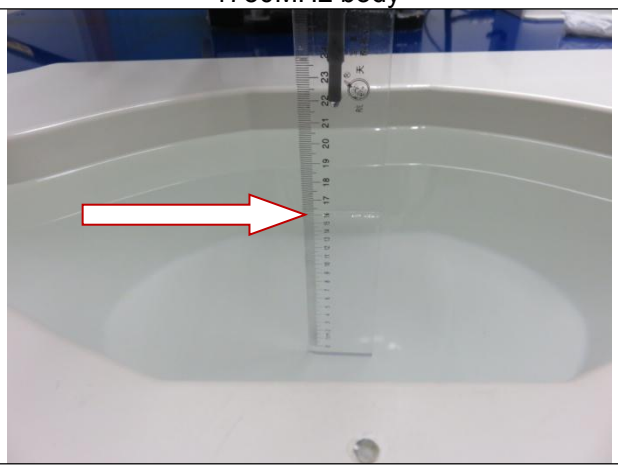
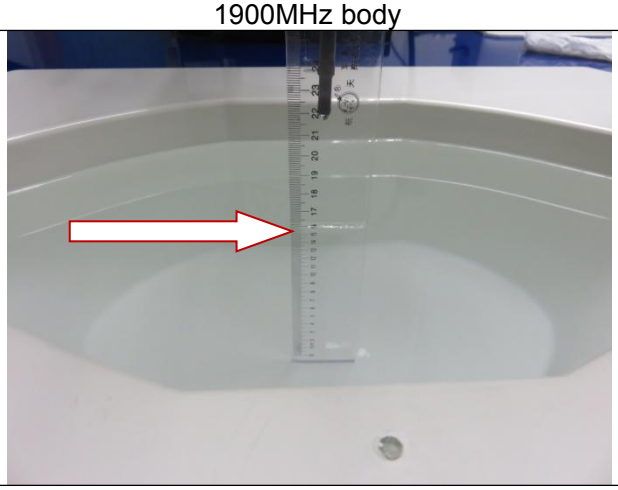
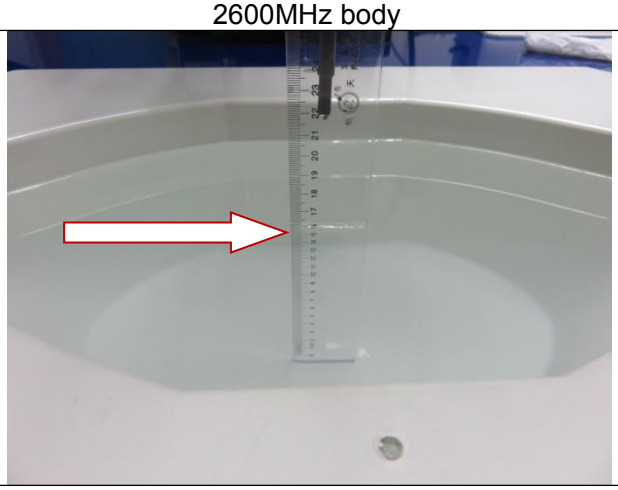


Face up 25mm



DEPTH OF THE LIQUID IN THE PHANTOM—ZOOM IN

Note：The position used in the measurement were according to IEEE 1528-2013

835MHz body	1750MHz body
	
1900MHz body	2600MHz body
	

APPENDIX D. CALIBRATION DATA

Refer to Attached files.

Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").

2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3.The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

7.Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.

9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

----END OF REPORT----