SAR Test Report

Report No.: STS2507089H01

Issued for

VAAL TRADING S A S

CR 19 12 51 OF C 13, BOGOTA, COLOMBIA

Product Name:	smart watch
Brand Name:	MYM
Model Name:	B1
Series Model(s):	N/A
FCC ID:	2BQ4O-B1
Test Standard:	ANSI/IEEE Std. C95.1 FCC 47 CFR Part 2 (2.1093) IEEE Std. 1528-2013
Max. Report SAR	Front of face: 0.781 W/kg (1g) Wrist: 0.643 W/kg(10g)

TEST REPORT CERTIFICATION

Applicant's name	:	VAAL TRADING S A S
Address	:	CR 19 12 51 OF C 13, BOGOTA, COLOMBIA
Manufacturer's Name	:	Shenzhen Feiyufei Digital Technology Co., Ltd
Address	:	3A18, Building A2, Fuhai Technology Industrial Park, Fuyong Community, Baoan, Shenzhen, Guangdong, China

Product description

Product name	:	smart watch
Brand name	:	MYM
Model name	:	B1
Series Model(s) :		N/A
Standards	:	ANSI/IEEE Std. C95.1 FCC 47 CFR Part 2 (2.1093) IEEE Std. 1528-2013

The device was tested by Shenzhen STS Test Services Co., Ltd. in accordance with the measurement methods and procedures specified in KDB 865664 The test results in this report apply only to the tested sample of the stated device/equipment. Other similar device/equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Date of Test	:	
Date (s) of performance of tests	:	14 Jul. 2025 ~ 16 Jul. 2025
Date of Issue	:	22 Jul. 2025
Test Result	:	**Pass**

Testing Engineer : Xin Liu

(Xin.Liu)

Technical Manager : Shi fan. long

(Shifan. Long)

Authorized Signatory : Bovey Yang

(Bovey Yang)

SHENZHEN STS TEST SERVICES CO., LTD. TESTING APPROVAL

Table of Contents

Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	22 Jul. 2025	STS2507089H01	ALL	Initial Issue

1. General Information

Environmental evaluation measurements of specific absorption rate (SAR) distributions in emulated human head and body tissues exposed to radio frequency (RF) radiation from wireless portable devices for compliance with the rules and regulations of the U.S. Federal Communications Commission (FCC).

1.1 EUT Description

Product Name	smart watch			
Brand Name	MYM			
Model Name	B1			
Series Model	N/A			
Model Difference	N/A			
Sample number	250711012-1			
Battery	Rated Voltage: 3.85V Capacity: 800mAh			
Device Category	Portable			
Product stage	Production unit			
RF Exposure Environment	General Population / Uncontrolled			
Hardware Version	N/A			
Software Version	N/A			
Frequency Range	LTE Band 5:824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz WLAN802.11b/g/n20: 2412 MHz ~ 2462 MHz WLAN 802.11n40: 2422 MHz ~ 2452 MHz BLE: 2402 MHz to 2480 MHz			
Max. Reported SAR(1g): (Limit:1.6W/kg) Test distance: Front of face:10mm Wrist:0mm	Band	Mode	Front of face-1g (W/kg)	Wrist-10g (W/kg)
	PCT	LTE Band 5	0.006	0.012
	PCT	LTE Band 7	0.781	0.643
	DTS	2.4G WLAN	0.048	0.242
	DSS	BLE Note	0.004	0.002
1-g Sum SAR			0.829	N/A
10-g Sum SAR			N/A	0.884
Limit(W/kg)			1.6	4
FCC Equipment Class	PCS Licensed Transmitter worn on body (PCT) Part 15 Spread Spectrum Transmitter (DSS) Digital Transmission System (DTS)			
Operating Mode:	LTE: QPSK, 16QAM WLAN: 802.11b(DSSS):CCK,DQPSK,DBPSK 802.11g/n(OFDM):BPSK,QPSK,16-QAM,64-QAM BLE: GFSK			
Antenna Specification:	LTE: PIFA Antenna Bluetooth: PIFA Antenna WLAN: PIFA Antenna			
SIM Card	And supports one SIM card			
Hotspot Mode	Support			
DTM Mode	Not Support			

Note:
1. The EUT battery must be fully charged and checked periodically during the test to ascertain uniform power

1.2 Test Environment

Ambient conditions in the SAR laboratory:

Items	Required
Temperature (℃)	18-25
Humidity (%RH)	30-70

1.3 Test Factory

ShenZhen STS Test Services Co.,Ltd.

101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration No.: 625569

IC Registration No.: 12108A

A2LA Certificate No.: 4338.01

2. Test Standards and Limits

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	IEEE Std C95.1, 2019	IEEE Standard for Safety Levels with Respect to Human Exposure to Electric,Magnetic, and Electromagnetic Fields,0 Hz to 300 GHz. It specifies the maximum exposure limit of 1.6 W/kg as averaged over any 1 gram of tissue for portable devices being used within 20 cm of the user in the uncontrolled environment.
3	IEEE Std. 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	FCC KDB 447498 D04 v01	RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices
5	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
6	FCC KDB 865664 D02 v01r02	RF Exposure Reporting
7	FCC KDB 941225 D05 v02r05	SAR for LTE Devices
8	FCC KDB 248227 D01 Wi-Fi SAR v02r02	SAR Considerations for 802.11 Devices

(A). Limits for Occupational/Controlled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.4	8.0	20.0

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

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.08	1.6	4.0

NOTE: Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1 gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

Population/Uncontrolled Environments:

Are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

Occupational/Controlled Environments:

Are defined as locations where there is exposure that may be incurred by people who are aware of the potential for exposure, (i.e. as a result of employment or occupation).

NOTE

GENERAL POPULATION/UNCONTROLLED EXPOSURE

PARTIAL BODY LIMIT

1.6 W/kg

3. SAR Measurement System

3.1 Definition of Specific Absorption Rate (SAR)

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.
The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

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

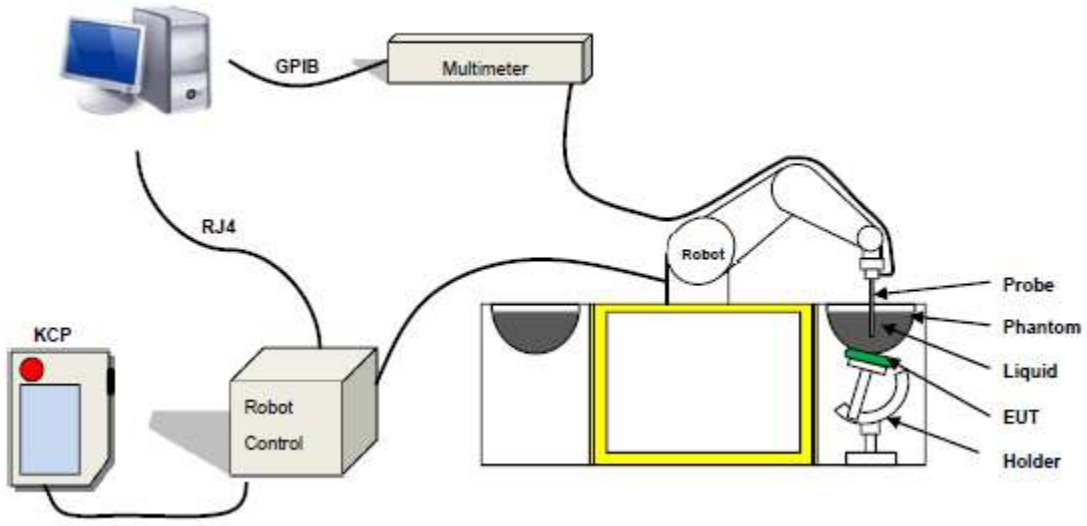
SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

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

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

3.2 SAR System

MVG SAR System Diagram:



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

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

The following figure shows the system.

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

3.2.1 Probe

For the measurements the Specific Dosimetric E-Field Probe SN 08/21 EPGO352 with following specifications is used

- Probe Length: 330 mm
- Length of Individual Dipoles: 2 mm
- Maximum external diameter: 8 mm
- Probe Tip External Diameter: 2.5 mm
- Distance between dipole/probe extremity: 1 mm
- Dynamic range: 0.01-100 W/kg
- Probe linearity: 3%
- Axial Isotropy: < 0.10 dB
- Spherical Isotropy: < 0.10 dB
- Calibration range: 150 MHz to 6 GHz for head & body simulating liquid.
- Angle between probe axis (evaluation axis) and surface normal line: less than 30°

Figure 1-MVG COMOSAR Dosimetric E field Dipole

3.2.2 Phantom

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

SN 32/14 SAM115

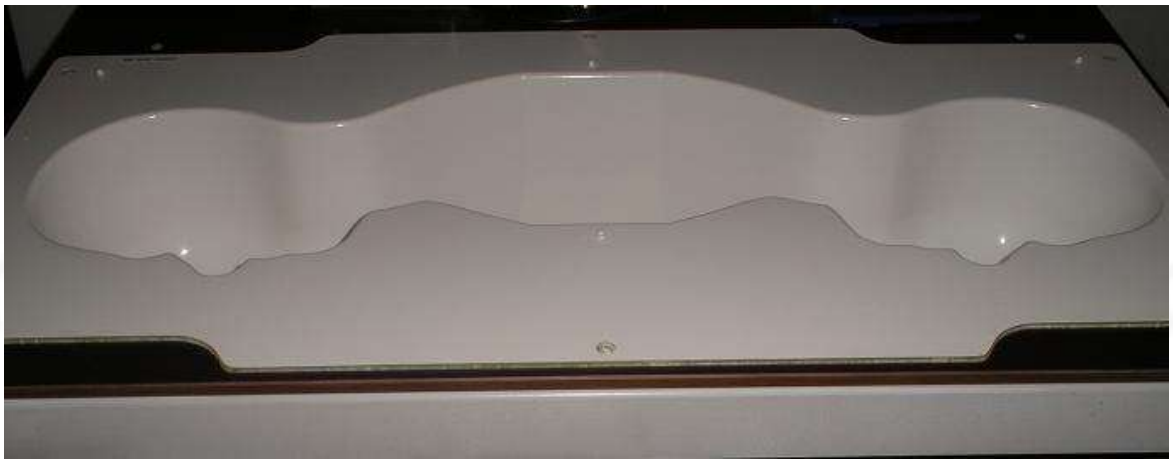


Figure-SN 21/21 ELLI48

3.2.3 Device Holder

The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5 mm distance, a positioning uncertainty of ± 0.5 mm would produce a SAR uncertainty of ± 20 %. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.4. Tissue Simulating Liquids

4. Tissue Simulating Liquids

4.1 Simulating Liquids Parameter Check

The simulating liquids should be checked at the beginning of a series of SAR measurements to determine of the dielectric parameters are within the tolerances of the specified target values

The uncertainty due to the liquid conductivity and permittivity arises from two different sources. The first source of error is the deviation of the liquid conductivity from its target value (max _ 5 %) and the second source of error arises from the measurement procedures used to assess conductivity. The uncertainty shall be assessed using a rectangular probability For 1 g averaging, the maximum weighting coefficient for SAR is 0,5.

IEEE SCC-34/SC-2 RECOMMENDED TISSUE DIELECTRIC PARAMETERS

The head and body tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 have been incorporated in the following table.

Frequency	εr	σ 10g S/m
300	45.3	0.87
450	43.5	0.87
750	41.9	0.89
835	41.5	0.90
900	41.5	0.97
1450	40.5	1.20
1800 to 2000	40.0	1.40
2100	39.8	1.49
2450	39.2	1.80
2600	39.0	1.96
3000	38.5	2.40
3500	37.9	2.91
4000	37.4	3.43
4500	36.8	3.94
5000	36.2	4.45
5200	36.0	4.66
5400	35.8	4.86
5600	35.5	5.07
5800	35.3	5.27

The following table gives the recipes for tissue simulating liquid and the theoretical Conductivity/Permittivity.

Head (Reference IEEE1528)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ε
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
900	40.3	57.9	0.2	1.4	0.2	0	0.97	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5	1.4	40.0
2450	55.0	0	0	0.1	0	44.9	1.80	39.2
2600	54.9	0	0	0.1	0	45.0	1.96	39.0
Frequency (MHz)	Water (%)	Hexyl Carbitol (%)			Triton X-100 (%)		Conductivity σ (S/m)	Permittivity ε
5200	62.52	17.24			17.24		4.66	36.0
5800	62.52	17.24			17.24		5.27	35.3
Body (From instrument manufacturer)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ε
750	51.7	47.2	0	0.9	0.1	0	0.96	55.5
835	50.8	48.2	0	0.9	0.1	0	0.97	55.2
900	50.8	48.2	0	0.9	0.1	0	1.05	55.0
1800, 1900, 2000	70.2	0	0	0.4	0	29.4	1.52	53.3
2450	68.6	0	0	0.1	0	31.3	1.95	52.7
2600	68.2	0	0	0.1	0	31.7	2.16	52.5
Frequency(MHz)	Water	DGBE (%)			Salt (%)		Conductivity σ (S/m)	Permittivity ε
5200	78.60	21.40			/		5.30	49.00
5800	78.50	21.40			0.1		6.00	48.20

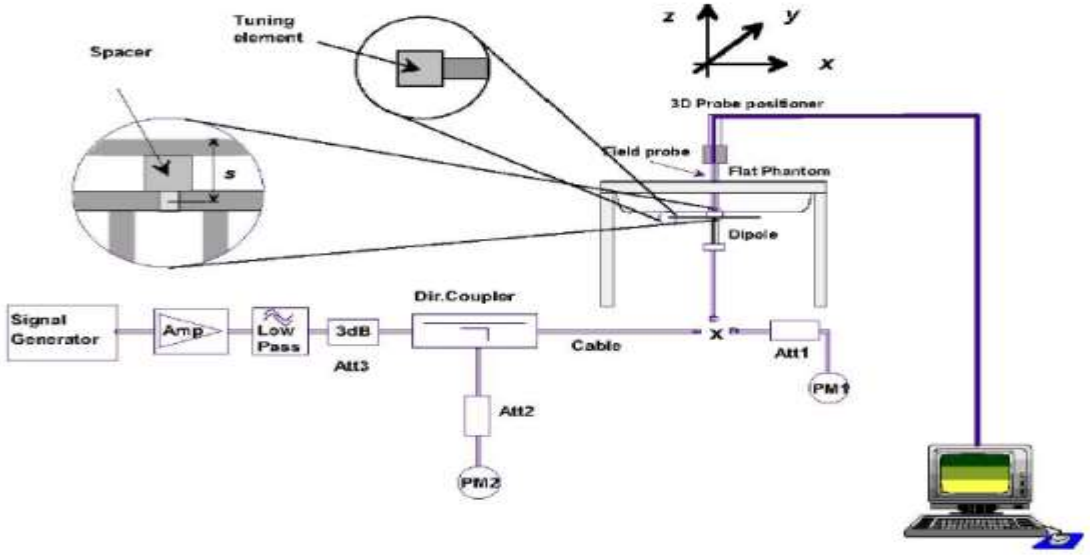
LIQUID MEASUREMENT RESULTS

Date	Ambient		Simulating Liquid		Parameters	Target	Measured	Deviation %	Limited %
	Temp. [°C]	Humidity %	Frequency(MHz)	Temp. [°C]					
2025-07-14	21.4	50	835	21.2	Permittivity	41.50	41.38	-0.29	±5
					Conductivity	0.90	0.94	4.44	±5
2025-07-14	21.4	50	836.5	21.1	Permittivity	41.49	41.05	-1.07	±5
					Conductivity	0.90	0.94	4.42	±5
2025-07-14	21.4	50	844	21.2	Permittivity	41.46	40.96	-1.20	±5
					Conductivity	0.90	0.94	4.32	±5
2025-07-16	22.8	60	2437	22.5	Permittivity	39.22	39.74	1.32	±5
					Conductivity	1.79	1.80	0.65	±5
2025-07-16	22.8	60	2450	22.4	Permittivity	39.20	40.51	3.34	±5
					Conductivity	1.80	1.79	-0.56	±5
2025-07-16	22.8	60	2510	22.5	Permittivity	39.12	40.09	2.48	±5
					Conductivity	1.86	1.93	3.54	±5
2025-07-16	22.8	60	2535	22.5	Permittivity	39.09	39.00	-0.22	±5
					Conductivity	1.89	1.88	-0.56	±5
2025-07-16	22.9	60	2560	22.7	Permittivity	39.05	40.36	3.35	±5
					Conductivity	1.92	1.89	-1.43	±5
2025-07-16	23.0	61	2600	22.7	Permittivity	39.00	39.21	0.54	±5
					Conductivity	1.96	1.94	-1.02	±5

5. SAR System Validation

5.1 Validation System

Each MVG system is equipped with one or more system validation kits. These units, together with the predefined measurement procedures within the MVG software, enable the user to conduct the system performance 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 validation setup is shown as below.



5.2 Validation Result

Justification for Extended SAR Dipole Calibrations

Usage of SAR dipoles calibrated less than 3 years ago but more than 1 year ago were confirmed in maintaining retum loss (>20 dB, within 20% of prior calibration) and impedance (within 5 ohm from prior calibration) requirements per extended calibrations in KDB 865664 D01:

Dipole		Date of Measurement	Return Loss (dB)	Delta (%)	Impedance	Delta(ohm)
SN 30/14 DIP0G835-332	Head Liquid	2023-07-04	-28.13	/	51.4	/
		2024-07-01	-28.43	1.07	52.62	2.37
		2025.07.03	-28.83	2.47	52.51	2.16
SN 30/14 DIP2G450-335	Head Liquid	2023-07-04	-26.03	/	46.3	/
		2024-07-01	-26.42	1.50	47.25	2.05
		2025.07.03	-26.91	3.38	47.4	2.37
SN 30/14 DIP2G600-336	Head Liquid	2023-07-04	-34.32	/	50.3	/
		2024-07-01	-33.66	-1.92	49.61	-1.37
		2025.07.03	-34.78	1.34	48.94	-2.71

Comparing to the original SAR value provided by MVG, the validation data should be within its specification of 10 %.

Date	Freq.	Power	Tested Value	Normalized	Target SAR	Tolerance	Limit
	(MHz)	(mW)	(W/Kg)	(W/kg)	1g(W/kg)	(%)	(%)
2025-07-14	835	100	0.931	9.31	9.63	-3.32	10
2025-07-16	2450	100	5.314	53.14	54.70	-2.85	10
2025-07-16	2600	100	5.653	56.53	56.19	0.61	10

Date	Freq.	Power	Tested Value	Normalized	Target SAR	Tolerance	Limit
	(MHz)	(mW)	(W/Kg)	(W/kg)	10g(W/kg)	(%)	(%)
2025-07-14	835	100	0.599	5.99	6.15	-2.60	10
2025-07-16	2450	100	2.280	22.80	24.11	-5.43	10
2025-07-16	2600	100	2.231	22.31	24.08	-7.35	10

Note:

1. The tolerance limit of System validation ±10%.
2. The dipole input power (forward power) was 100 mW.
3. The results are normalized to 1 W input power.

6. SAR Evaluation Procedures

The procedure for assessing the average SAR value consists of the following steps:
The following steps are used for each test position

- Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
- Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

➢ Area Scan& Zoom Scan

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01 quoted below. When the 1-g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

7. EUT Antenna Location Sketch

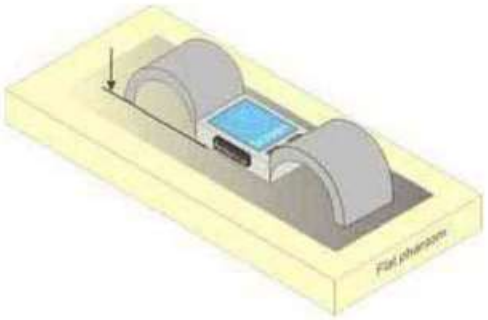
This EUT was tested in Front Face and Rear Face.

7.1 Limb-worn Position Conditions

Transmitters that are built-in within a wrist watch or similar wrist-worn devices typically operate in speaker mode for voice communication, with the device worn on the wrist and positioned next to the mouth. Next to the mouth exposure requires 1-g SAR and the wrist-worn condition requires 10-g extremity SAR

.

(1) Next to the mouth use is evaluated with the front of the device positioned at 10 mm from a flat phantom filled with head tissue-equivalent medium



Test posltion for limb-worn devices

7.2 SAR Test Exclusions Applied

Standalone SAR test exclusion applies 447498 D04 Interim General Radio Frequency Exposure Guidelines v01. The available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold Pth (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). Pth is given by:

$$P_{th}\ (\text{mW}) = \begin{cases} ERP_{20\,cm}(d/20\ \text{cm})^{x} & d \le 20\ \text{cm} \\ ERP_{20\,cm} & 20\ \text{cm} < d \le 40\ \text{cm} \end{cases}$$

Where

$$x = -\log_{10}\left(\frac{60}{ERP_{20\,cm}\sqrt{f}}\right) \text{ and } f \text{ is in GHz;}$$

and

$$ERP_{20\,cm}\ (\text{mW}) = \begin{cases} 2040f & 0.3\ \text{GHz} \le f < 1.5\ \text{GHz} \\ 3060 & 1.5\ \text{GHz} \le f \le 6\ \text{GHz} \end{cases}$$

d = the separation distance (cm);

Function	Fre. (GHz)	Separation distance (cm)	Max Turn up power (dBm)	Max Turn up power (mW)	Pth (mW)
BLE	2.48	0.5	-10	0.100	2.72

Note: The Maximum power is less than the Pth, complies with the exemption requirements.

8. Uncertainty

8.1 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in IEEE 1528: 2013.This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

SATIMO Uncertainty- SN 08/21 EPGO352									
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	5.72	N	1.00	1.00	1.00	5.72	5.72	∞
Axial Isotropy	E.2.2	0.18	R	1.73	0.71	0.71	0.07	0.07	∞
Hemispherical Isotropy	E.2.2	1.04	R	1.73	0.71	0.71	0.42	0.42	∞
Boundary effect	E.2.3	0.80	R	1.73	1.00	1.00	0.46	0.46	∞
Linearity	E.2.4	1.25	R	1.73	1.00	1.00	0.72	0.72	∞
System detection limits	E.2.4	1.20	R	1.73	1.00	1.00	0.69	0.69	∞
Modulation response	E2.5	3.42	R	1.73	1.00	1.00	1.97	1.97	∞
Readout Electronics	E.2.6	0.26	N	1.00	1.00	1.00	0.26	0.26	∞
Response Time	E.2.7	0.17	R	1.73	1.00	1.00	0.10	0.10	∞
Integration Time	E.2.8	1.43	R	1.73	1.00	1.00	0.83	0.83	∞
RF ambient conditions-Noise	E.6.1	3.51	R	1.73	1.00	1.00	2.03	2.03	∞
RF ambient conditions-reflections	E.6.1	3.15	R	1.73	1.00	1.00	1.82	1.82	∞
Probe positioner mechanical tolerance	E.6.2	1.20	R	1.73	1.00	1.00	0.69	0.69	∞
Probe positioning with respect to phantom shell	E.6.3	1.40	R	1.73	1.00	1.00	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.10	R	1.73	1.00	1.00	1.21	1.21	∞
Test sample Related									
Test sample positioning	E.4.2	3.10	N	1.00	1.00	1.00	3.10	3.10	∞
Device holder uncertainty	E.4.1	3.80	N	1.00	1.00	1.00	3.80	3.80	∞
Output power variation—SAR drift measurement	E.2.9	4.50	R	1.73	1.00	1.00	2.60	2.60	∞
SAR scaling	E.6.5	1.80	R	1.73	1.00	1.00	1.04	1.04	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	3.70	R	1.73	1.00	1.00	2.14	2.14	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.90	N	1.00	1.00	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	2.40	R	1.73	0.78	0.71	1.08	0.98	M
Liquid permittivity measurement	E.3.3	4.10	N	1.00	0.78	0.71	3.20	2.91	M
Liquid conductivity—temperature uncertainty	E.3.4	2.70	R	1.73	0.23	0.26	0.36	0.41	∞
Liquid permittivity—temperature uncertainty	E.3.4	4.80	N	1.00	0.23	0.26	1.10	1.25	∞
Combined Standard Uncertainty			RSS				10.08	9.59	
Expanded Uncertainty (95% Confidence interval)			K=2				19.58	19.18	

SATIMO Uncertainty- SN 08/21 EPGO352									
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	5.72	N	1.00	1.00	1.00	5.72	5.72	∞
Axial Isotropy	E.2.2	0.18	R	1.73	1.00	1.00	0.10	0.10	∞
Hemispherical Isotropy	E.2.2	1.04	R	1.73	0.00	0.00	0.00	0.00	∞
Boundary effect	E.2.3	0.80	R	1.73	1.00	1.00	0.46	0.46	∞
Linearity	E.2.4	1.25	R	1.73	1.00	1.00	0.72	0.72	∞
System detection limits	E.2.4	1.20	R	1.73	1.00	1.00	0.69	0.69	∞
Modulation response	E2.5	3.42	R	1.73	0.00	0.00	0.00	0.00	∞
Readout Electronics	E.2.6	0.26	N	1.00	1.00	1.00	0.26	0.26	∞
Response Time	E.2.7	0.17	R	1.73	0.00	0.00	0.00	0.00	∞
Integration Time	E.2.8	1.43	R	1.73	0.00	0.00	0.00	0.00	∞
RF ambient conditions-Noise	E.6.1	3.51	R	1.73	1.00	1.00	2.03	2.03	∞
RF ambient conditions-reflections	E.6.1	3.15	R	1.73	1.00	1.00	1.82	1.82	∞
Probe positioner mechanical tolerance	E.6.2	1.20	R	1.73	1.00	1.00	0.69	0.69	∞
Probe positioning with respect to phantom shell	E.6.3	1.40	R	1.73	1.00	1.00	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.10	R	1.73	1.00	1.00	1.21	1.21	∞
System validation source									
Deviation of experimental dipole from numerical dipole	E.6.4	4.80	N	1.00	1.00	1.00	4.80	4.80	∞
Input power and SAR drift measurement	8,6.6.4	5.10	R	1.73	1.00	1.00	2.94	2.94	∞
Dipole axis to liquid distance	8,E.6.6	2.40	R	1.73	1.00	1.00	1.39	1.39	∞
Phantom and set-up									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	3.70	R	1.73	1.00	1.00	2.14	2.14	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.90	N	1.00	1.00	0.84	1.90	1.60	∞
Liquid conductivity (temperature uncertainty)	E.3.3	2.40	R	1.73	0.78	0.71	1.08	0.98	∞
Liquid conductivity (measured)	E.3.3	4.10	N	1.00	0.78	0.71	3.20	2.91	M
Liquid permittivity (temperature uncertainty)	E.3.4	2.70	R	1.73	0.23	0.26	0.36	0.41	∞
Liquid permittivity (measured)	E.3.4	4.80	N	1.00	0.23	0.26	1.10	1.25	M
Combined Standard Uncertainty			RSS				9.72	9.52	
Expanded Uncertainty (95% Confidence interval)			K=2				19.44	19.03	

SATIMO Uncertainty- SN 08/21 EPGO352									
◦ 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	5.72	N	1.00	1.00	1.00	5.72	5.72	∞
Axial Isotropy	E.2.2	0.18	R	1.73	0.00	0.00	0.00	0.00	∞
Hemispherical Isotropy	E.2.2	1.04	R	1.73	0.00	0.00	0.00	0.00	∞
Boundary effect	E.2.3	0.8	R	1.73	0.00	0.00	0.00	0.00	∞
Linearity	E.2.4	1.25	R	1.73	0.00	0.00	0.00	0.00	∞
System detection limits	E.2.4	1.20	R	1.73	0.00	0.00	0.00	0.00	∞
Modulation response	E2.5	3.42	R	1.73	0.00	0.00	0.00	0.00	∞
Readout Electronics	E.2.6	0.26	N	1.00	0.00	0.00	0.00	0.00	∞
Response Time	E.2.7	0.17	R	1.73	0.00	0.00	0.00	0.00	∞
Integration Time	E.2.8	1.43	R	1.73	0.00	0.00	0.00	0.00	∞
RF ambient conditions-Noise	E.6.1	3.51	R	1.73	0.00	0.00	0.00	0.00	∞
RF ambient conditions-reflections	E.6.1	3.15	R	1.73	0.00	0.00	0.00	0.00	∞
Probe positioner mechanical tolerance	E.6.2	1.2	R	1.73	1.00	1.00	0.69	0.69	∞
Probe positioning with respect to phantom shell	E.6.3	1.4	R	1.73	1.00	1.00	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	3.9	R	1.73	0.00	0.00	0.00	0.00	∞
System check source (dipole)									
Deviation of experimental dipoles	E.6.4	4.8	N	1.00	1.00	1.00	4.80	4.80	∞
Input power and SAR drift measurement	8,6.6.4	5.1	R	1.73	1.00	1.00	2.94	2.94	∞
Dipole axis to liquid distance	8,E.6.6	2.4	R	1.73	1.00	1.00	1.39	1.39	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	3.7	R	1.73	1.00	1.00	2.14	2.14	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1.00	1.00	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	2.4	R	1.73	0.78	0.71	1.08	0.98	∞
Liquid permittivity measurement	E.3.3	4.1	N	1.00	0.78	0.71	3.20	2.91	M
Liquid conductivity—temperature uncertainty	E.3.4	2.7	R	1.73	0.23	0.26	0.36	0.41	∞
Liquid permittivity—temperature uncertainty	E.3.4	4.8	N	1.00	0.23	0.26	1.10	1.25	M
Combined Standard Uncertainty			RSS				5.56	5.20	
Expanded Uncertainty (95% Confidence interval)			K=2				11.12	10.41	

9. Conducted Power Measurement

9.1 Test Result

LTE Conducted Power

General Note:

1. Anritsu CMW500 base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. Per KDB 941225 D05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
4. Per KDB 941225 D05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5. Per KDB 941225 D05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are $\leqslant$ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
6. Per KDB 941225 D05, 16QAM output power for each RB allocation configuration is > not ½ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is $\leqslant$ 1.45 W/kg; Per KDB 941225 D05, 16QAM SAR testing is not required.
7. Per KDB 941225 D05, Smaller bandwidth output power for each RB allocation configuration is > not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is $\leqslant$ 1.45 W/kg; Per KDB 941225 D05, smaller bandwidth SAR testing is not required.

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
1.4	1	0	QPSK	23.12	22.99	23.03
1.4	1	2		23.28	23.14	23.17
1.4	1	5		23.12	22.98	23.01
1.4	3	0		23.16	23.11	23.14
1.4	3	1		23.19	23.14	23.12
1.4	3	2		23.17	23.12	23.11
1.4	6	0		22.17	22.06	22.06
1.4	1	0	16-QAM	22.04	22.05	22.29
1.4	1	2		22.21	22.20	22.43
1.4	1	5		22.06	22.03	22.31
1.4	3	0		22.26	22.18	22.25
1.4	3	1		22.25	22.18	22.23
1.4	3	2		22.25	22.14	22.24
1.4	6	0		21.30	21.33	21.22
3	1	0	QPSK	23.14	23.12	23.07
3	1	7		23.35	23.31	23.30
3	1	14		23.17	22.99	23.07
3	8	0		22.16	22.06	22.08
3	8	4		22.17	22.08	22.14
3	8	7		22.14	22.05	22.06
3	15	0		22.13	22.08	22.08
3	1	0	16-QAM	22.49	22.29	22.16
3	1	7		22.69	22.57	22.43
3	1	14		22.41	22.31	22.11
3	8	0		21.13	21.22	21.21
3	8	4		21.19	21.23	21.24
3	8	7		21.15	21.21	21.23
3	15	0		21.22	21.06	21.07

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
5	1	0	QPSK	23.11	23.01	22.99
5	1	12		23.48	23.35	23.37
5	1	24		23.03	22.95	22.95
5	12	0		22.10	22.10	22.12
5	12	6		22.20	22.12	22.14
5	12	11		22.15	22.07	22.09
5	25	0		22.14	22.08	22.07
5	1	0	16-QAM	22.23	22.35	22.20
5	1	12		22.49	22.73	22.45
5	1	24		22.15	22.30	22.15
5	12	0		21.22	21.15	21.25
5	12	6		21.27	21.20	21.30
5	12	11		21.26	21.07	21.25
5	25	0		21.21	21.21	21.18
10	1	0	QPSK	23.02	23.08	23.12
10	1	24		23.14	23.14	23.19
10	1	49		23.03	23.07	23.11
10	25	0		22.10	22.19	22.10
10	25	12		22.08	22.12	22.09
10	25	24		22.08	22.10	22.06
10	50	0		22.05	22.13	22.09
10	1	0	16-QAM	22.36	22.14	22.39
10	1	24		22.37	22.26	22.45
10	1	49		22.23	22.12	22.31
10	25	0		21.14	21.24	21.15
10	25	12		21.23	21.16	21.18
10	25	24		21.17	21.19	21.15
10	50	0		21.15	21.23	21.18

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
5	1	0	QPSK	22.43	22.42	22.40
5	1	12		22.78	22.72	22.79
5	1	24		22.40	22.42	22.40
5	12	0		21.44	21.38	21.52
5	12	6		21.55	21.43	21.51
5	12	11		21.46	21.38	21.48
5	25	0		21.49	21.38	21.49
5	1	0	16-QAM	21.50	21.41	21.68
5	1	12		21.81	21.83	21.97
5	1	24		21.47	21.38	21.66
5	12	0		20.53	20.48	20.49
5	12	6		20.64	20.52	20.48
5	12	11		20.59	20.48	20.45
5	25	0		20.47	20.42	20.55
10	1	0	QPSK	22.53	22.55	22.47
10	1	24		22.57	22.55	22.65
10	1	49		22.46	22.38	22.51
10	25	0		21.39	21.51	21.61
10	25	12		21.49	21.43	21.54
10	25	24		21.50	21.45	21.51
10	50	0		21.41	21.44	21.54
10	1	0	16-QAM	21.71	21.51	21.41
10	1	24		21.80	21.63	21.62
10	1	49		21.64	21.51	21.50
10	25	0		20.41	20.55	20.67
10	25	12		20.50	20.50	20.57
10	25	24		20.53	20.50	20.54
10	50	0		20.45	20.49	20.61

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
15	1	0	QPSK	22.47	22.46	22.49
15	1	37		22.76	22.74	22.87
15	1	74		22.32	22.28	22.45
15	36	0		21.50	21.74	21.64
15	36	18		21.59	21.61	21.63
15	36	39		21.55	21.54	21.57
15	75	0		21.54	21.63	21.64
15	1	0	16-QAM	21.60	21.29	21.39
15	1	38		21.87	21.61	21.71
15	1	75		21.44	21.25	21.35
15	36	0		20.51	20.60	20.58
15	36	18		20.56	20.51	20.54
15	36	39		20.50	20.55	20.51
15	75	0		20.49	20.56	20.62
20	1	0	QPSK	22.26	22.32	22.20
20	1	49		22.60	22.54	22.60
20	1	99		22.21	22.14	22.27
20	50	0		21.29	21.47	21.56
20	50	24		21.46	21.41	21.52
20	50	49		21.26	21.47	21.36
20	100	0		21.34	21.46	21.49
20	1	0	16-QAM	21.24	21.20	21.35
20	1	49		21.54	21.52	21.66
20	1	99		21.06	21.19	21.34
20	50	0		20.35	20.54	20.60
20	50	24		20.46	20.51	20.54
20	50	49		20.34	20.58	20.41
20	100	0		20.34	20.54	20.49

2.4GWIFI:

2.4GWIFI				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
802.11b	1	2412	15.89	38.82
	6	2437	16.53	44.98
	11	2462	14.52	28.31
802.11g	1	2412	12.53	17.91
	6	2437	13.05	20.18
	11	2462	11.21	13.21
802.11 n-HT20	1	2412	13.80	23.99
	6	2437	14.01	25.18
	11	2462	12.08	16.14
802.11 n-HT40	3	2422	13.30	21.38
	6	2437	13.35	21.63
	9	2452	11.91	15.52

BLE:

BLE				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	-11.62	0.07
	19	2440	-11.44	0.07
	39	2480	-10.13	0.10

10. EUT and Test Setup Photo

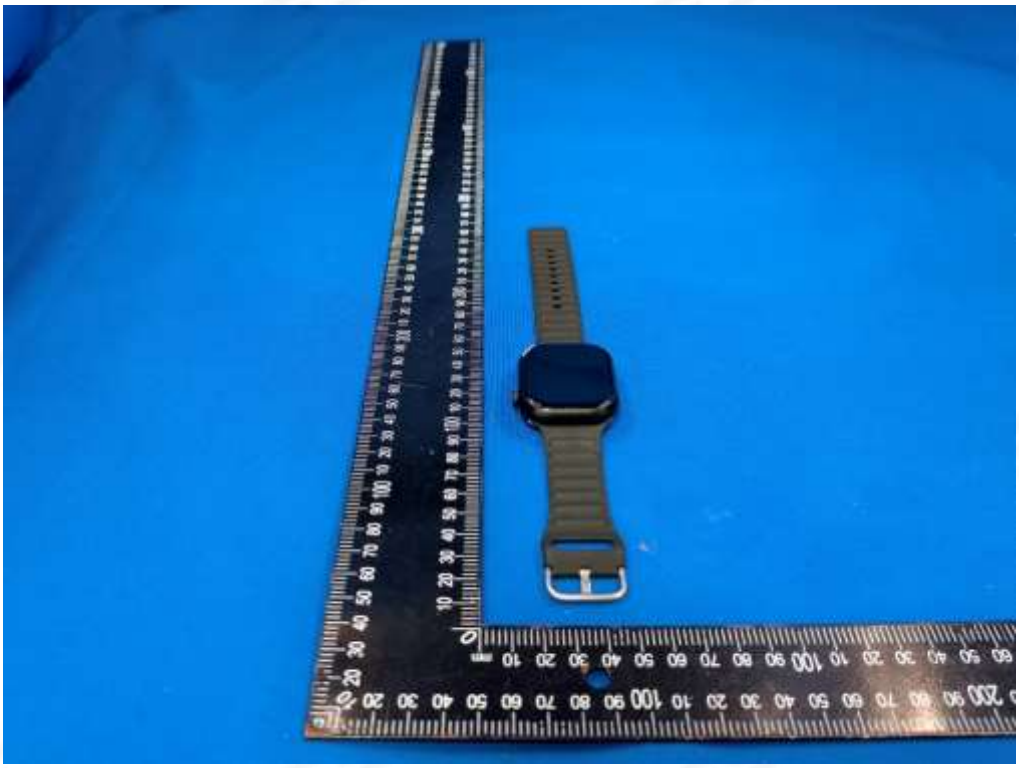
10.1 EUT Photo

Front side

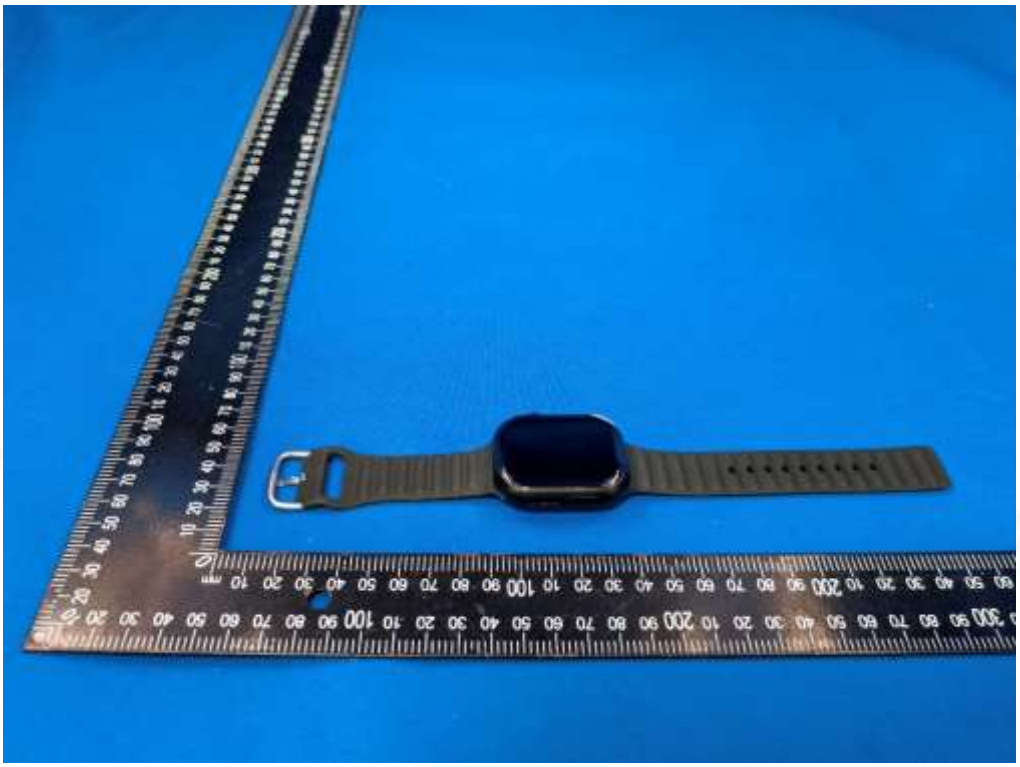
Back side

Top side

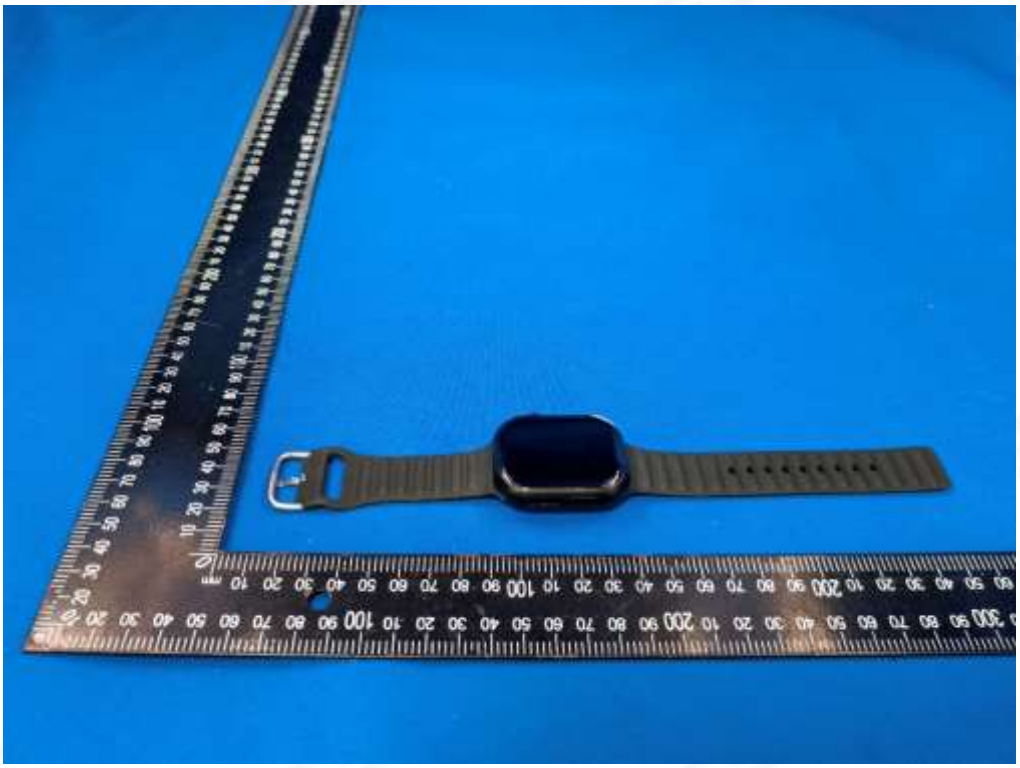
Bottom side



Left side



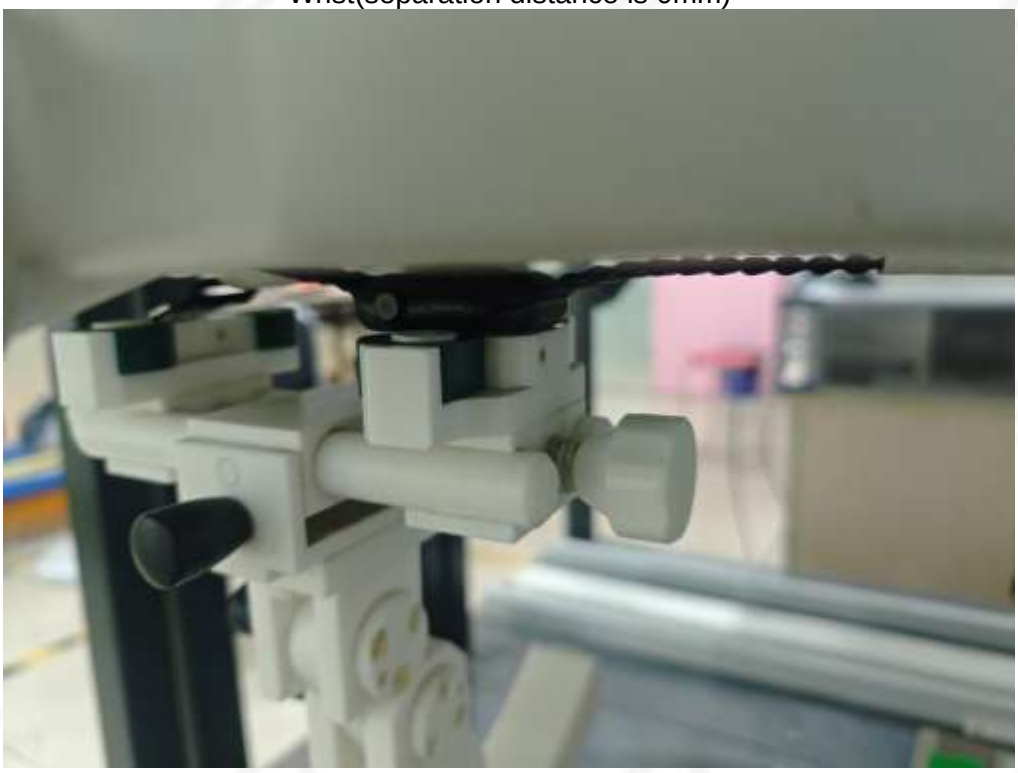
Right side



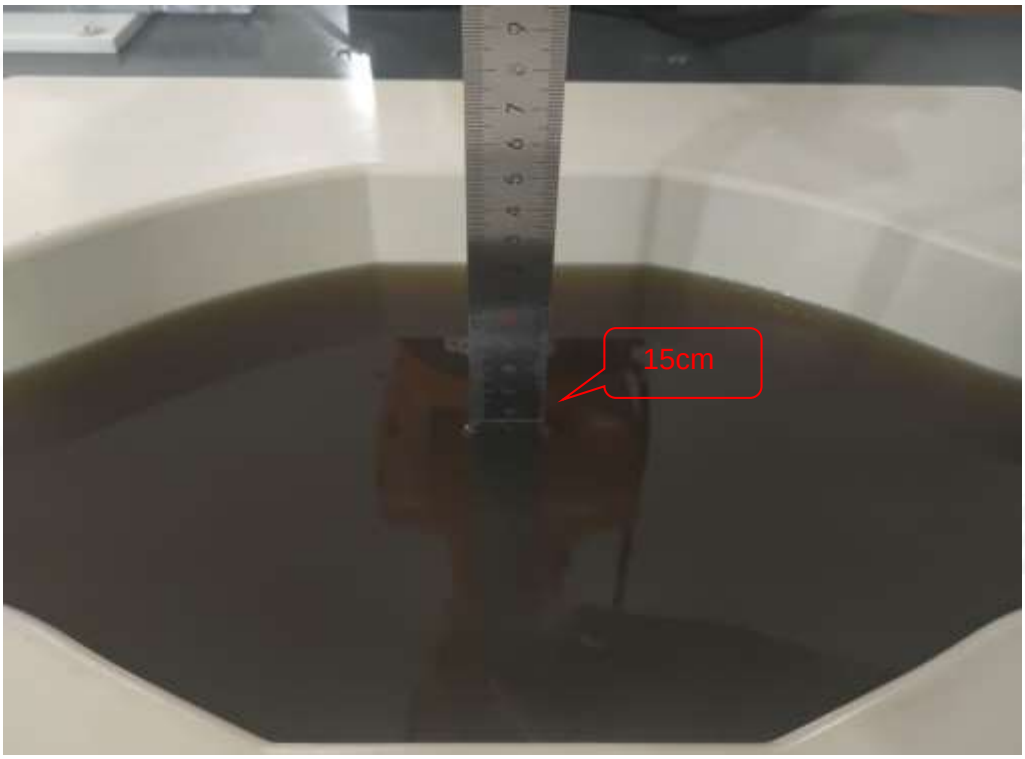
10.2 Setup Photo

Front of face(separation distance is 10mm)

Wrist(separation distance is 0mm)



Liquid depth (15 cm)



11. SAR Result Summary

11.1 Front of face SAR

Band	Model	RB Size	RB offset	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
LTE Band 5	10MHz BW, 1RB Offset 0	1	24	Front of face	844	0.011	2.70	23.50	23.19	1.074	**0.012**	**1**
		25	0	Front of face	836.5	0.005	-0.27	22.50	22.19	1.074	0.005	/
LTE Band 7	20MHz BW, 1RB Offset 0	1	49	Front of face	2510	0.695	2.49	23.00	22.60	1.096	0.762	/
				Front of face	2535	0.689	2.38	23.00	22.54	1.112	0.766	/
				Front of face	2560	0.712	1.73	23.00	22.60	1.096	**0.781**	**3**
		50	0	Front of face	2560	0.661	-2.77	22.00	21.56	1.107	0.731	/
2.4GHz WLAN	802.11b	N/A	N/A	Front of face	2437	0.043	3.16	17.00	16.53	1.114	**0.048**	**5**

Note:

1. The test separation of all above table is 10mm.
2. Per KDB865664 D01, Repeated measurement is not required when the original highest measured SAR is <0.80 W/kg

11.2 Wrist SAR

Band	Model	RB Size	RB offset	Test Position	Freq.	SAR (10g) (W/kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
LTE Band 5	10MHz BW, 1RB Offset 0	1	24	Wrist	844	0.011	-2.48	23.50	23.19	1.074	**0.012**	**2**
		25	0	Wrist	836.5	0.010	2.70	22.50	22.19	1.074	0.011	/
LTE Band 7	20MHz BW, 1RB Offset 0	1	49	Wrist	2510	0.552	-0.24	23.00	22.60	1.096	0.605	/
				Wrist	2535	0.536	3.08	23.00	22.54	1.112	0.596	/
				Wrist	2560	0.586	-1.90	23.00	22.60	1.096	**0.643**	**4**
		50	0	Wrist	2560	0.531	-3.28	22.00	21.56	1.107	0.588	/
2.4GHz WLAN	802.11b	N/A	N/A	Wrist	2437	0.217	-2.60	17.00	16.53	1.114	**0.242**	**6**

Note:

1. The test separation of all above table is 0mm.
2. Per KDB865664 D01, Repeated measurement is not required when the original highest measured SAR is <2.00 W/kg

12.3 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

Position	Simultaneous State
Front of face	1. LTE + 2.4GHz WLAN
	2. LTE + BLE
Wrist	1. LTE + 2.4GHz WLAN
	2. LTE + BLE

NOTE:

1. BLE and WLAN can't simultaneous transmission at the same time.
2. For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.
3. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
4. KDB 447498 / 4.3.2 (2) when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion: a) (max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f (GHz) /x] W/kg for test separation distances≤ 50 mm; Where x = 7.5 for 1-g SAR, and x = 18.75 for 10-g SAR. b) 0.4W/Kg for 1-g SAR and 1.0W/Kg for 10-g SAR, when the separation distance is >50mm.

Estimated SAR		Maximum Average Power		Dis.	Frequency(GHz)	Stand alone SAR(1&10g) [W/kg]
		dBm	mW			
BLE	Front of face	-10	0.100	5	2.437	0.004
	Wrist			5	2.437	0.002

Simultaneous Mode	Position	Mode	Max. 1&10-g (W/kg)	1&10-g Sum (W/kg)
LTE + 2.4G WLAN	Front of face	LTE	0.781	0.829
		2.4G WLAN	0.048	
	Wrist	LTE	0.643	0.885
		2.4G WLAN	0.242	
LTE + Bluetooth	Front of face	LTE	0.781	0.785
		BLE	0.004	
	Wrist	LTE	0.643	0.645
		BLE	0.002	

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna.

When the sum of SAR 1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR-1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR 1g is greater than the SAR limit (SAR-1g 1.6 W/kg), SAR test exclusion is determined by the SPLSR.

12. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
835MHz Dipole	MVG	SID835	SN 30/14 DIP0G835-332	2023.07.04	2026.07.03
2450MHzDipole	MVG	SID2450	SN 30/14 DIP2G450-335	2023.07.04	2026.07.03
2600MHz Dipole	MVG	SID2600	SN 30/14 DIP2G600-336	2023.07.04	2026.07.03
E-Field Probe	MVG	SSE2	SN 08/21 EPGO352	2024.09.18	2025.09.17
Dielectric Probe Kit	MVG	SCLMP	SN 32/14 OCPG67	2024.09.18	2025.09.17
Antenna	MVG	ANTA3	SN 07/13 ZNTA52	N/A	N/A
Phantom1	MVG	SAM	SN 32/14 SAM115	N/A	N/A
Phantom3	MVG	SAM	SN 21/21 ELLI48	N/A	N/A
Phone holder	MVG	N/A	SN 32/14 MSH97	N/A	N/A
Laptop holder	MVG	N/A	SN 32/14 LSH29	N/A	N/A
Attenuator	Agilent	HXT-10-8-SMA	240327017	2025-02-22	2026-02-21
Directional coupler	Xi'an Xingbo	XBOH-OA08-20dB	211123-4-3	2025-02-22	2026-02-21
Network Analyzer	Agilent	E5071C	MY46520378	2024-09-25	2025-09-26
Multi Meter	Keithley	Multi Meter 2000	4050073	2024-09-25	2025-09-26
Signal Generator	Agilent	N5182A	MY50140530	2024-09-25	2025-09-26
Wireless Communication Test Set	Agilent	8960-E5515C	MY48360751	2025-02-22	2026-02-21
Wireless Communication Test Set	R&S	CMW500	156324	2024-09-25	2025-09-26
Power Amplifier	DESAY	ZHL-42W	9638	2024-09-25	2025-09-26
Power Meter	R&S	NRP	100510	2024-09-25	2025-09-26
Power Sensor	R&S	NRP-Z11	101919	2024-09-25	2025-09-26
Power Sensor	Keysight	U2021XA	MY56280002	2024-09-25	2025-09-26
Temperature hygrometer	SuWei	SW-108	N/A	2024.10.15	2025.10.14
Thermograph	Elitech	RC-4	S/N EF7176501537	2024.10.15	2025.10.14

Appendix A. System Validation Plots

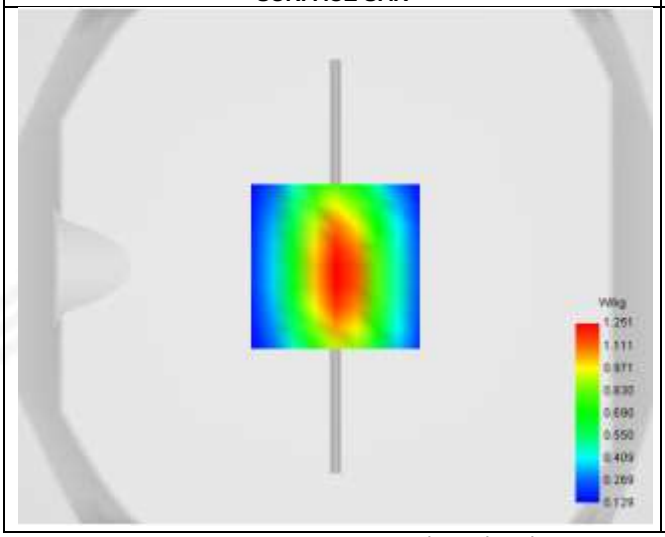
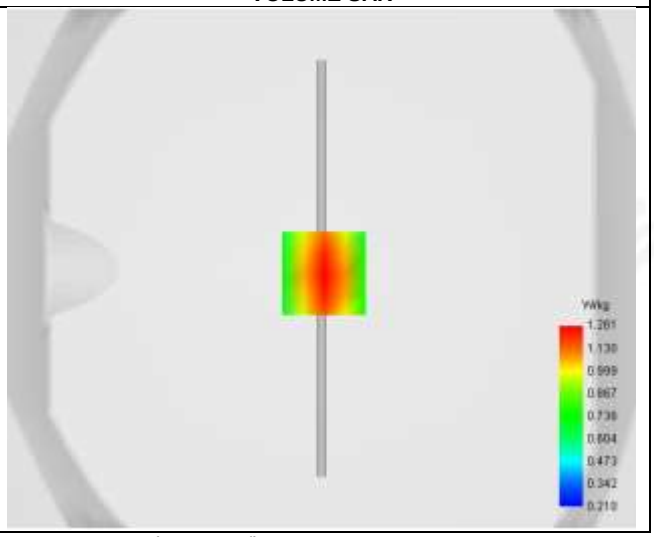
System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2025-07-14

Experimental conditions

Phantom	Validation plane
Device Position	-
Band	835MHz
Channels	-
Signal	CW
Frequency (MHz)	835MHz
Relative permittivity	41.38
Conductivity (S/m)	0.94
Probe	SN 08/21 EPGO352
ConvF:	1.44
Crest factor:	1:1

SURFACE SAR	VOLUME SAR
	

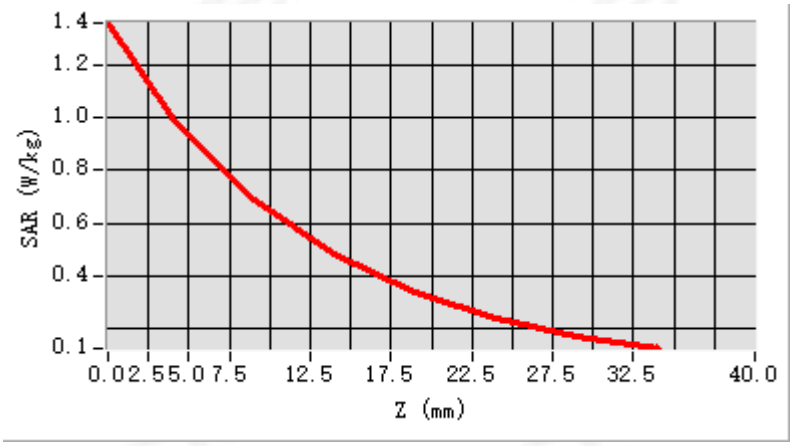
Maximum location: X=1.00, Y=0.00 ; SAR Peak: 1.37 W/kg

D. SAR 1g & 10g

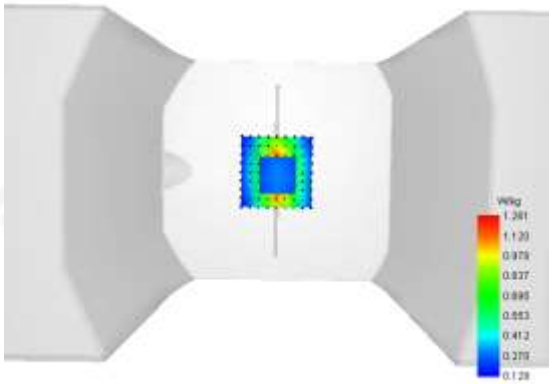
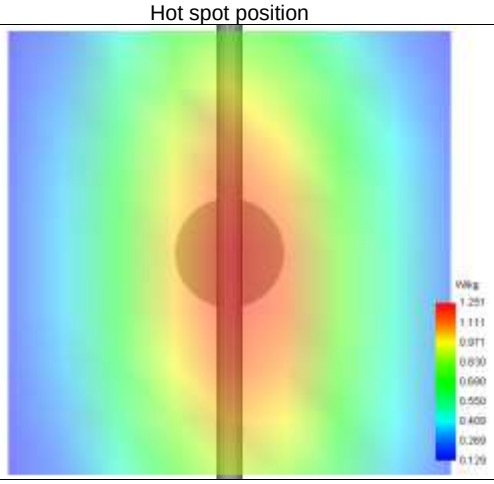
SAR 10g (W/Kg)	0.599
SAR 1g (W/Kg)	0.931
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	68.250104

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.357	1.002	0.688	0.482	0.341	0.243	0.176



F. 3D Image

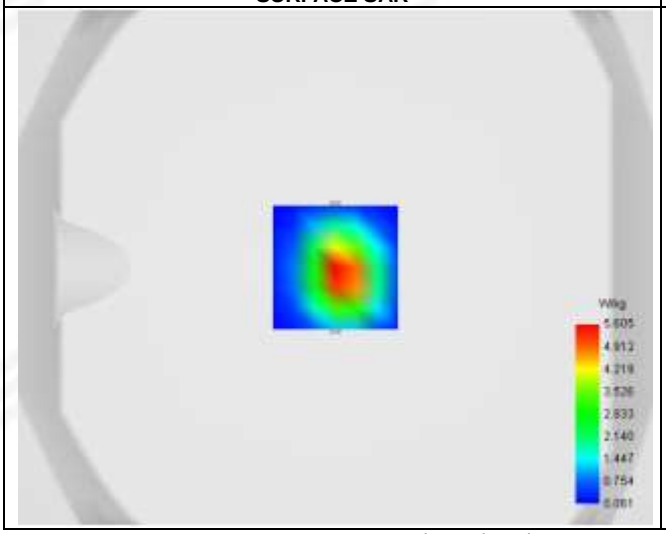
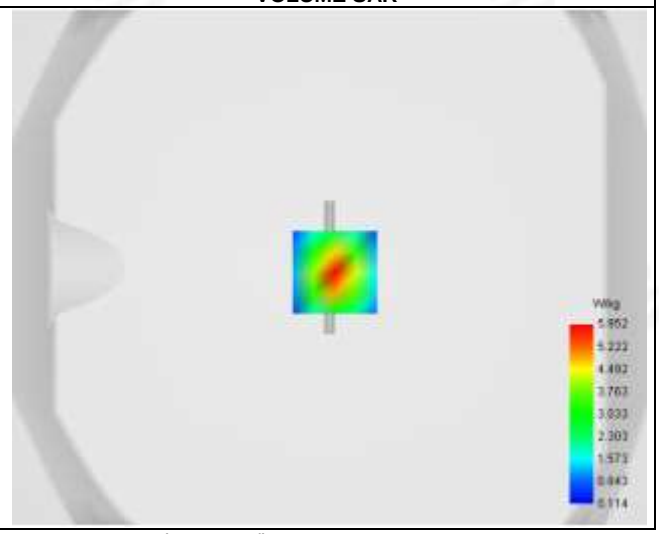
3D screen shot	Hot spot position
	

System Performance Check Data(2450MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2025-07-16

Experimental conditions.

Phantom	Validation plane
Device Position	-
Band	2450MHz
Channels	-
Signal	CW
Frequency (MHz)	2450MHz
Relative permittivity	40.51
Conductivity (S/m)	1.79
Probe	SN 08/21 EPGO352
ConvF	1.80
Crest factor:	1:1

SURFACE SAR	VOLUME SAR
	

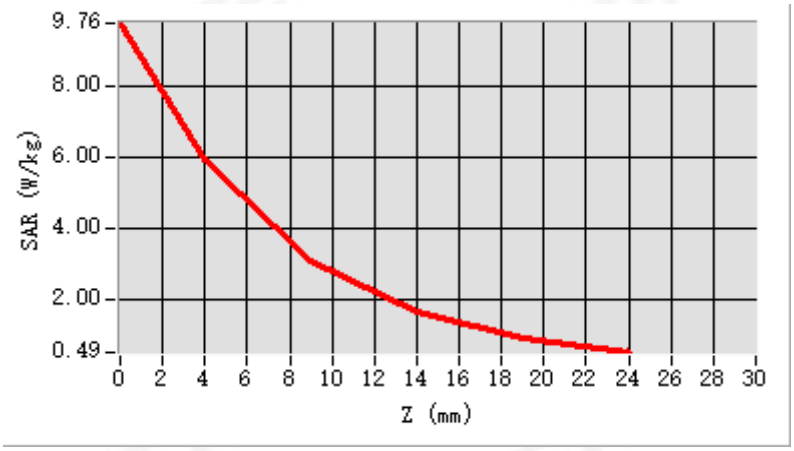
Maximum location: X=2.00, Y=-2.00 ; SAR Peak: 9.75 W/kg

D. SAR 1g & 10g

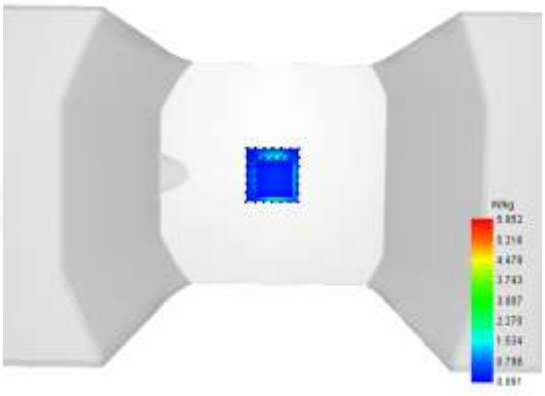
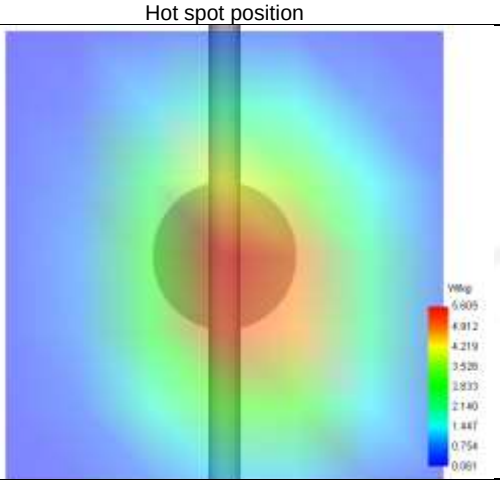
SAR 10g (W/Kg)	2.280
SAR 1g (W/Kg)	5.314
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	51.915220

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	9.762	5.952	3.090	1.608	0.889



F. 3D Image

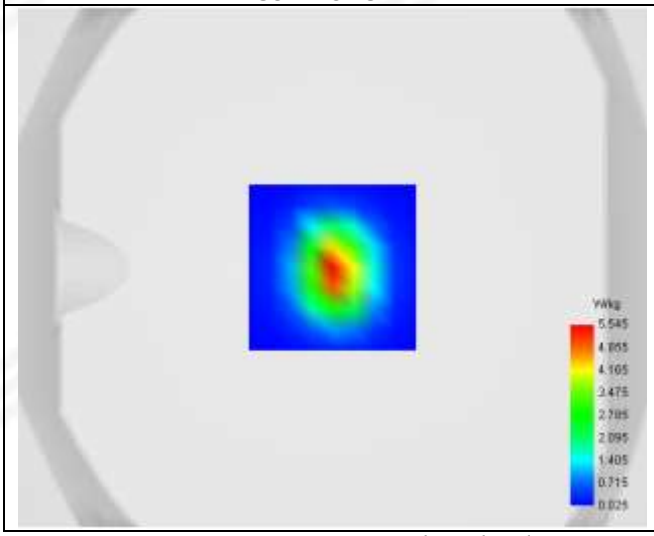
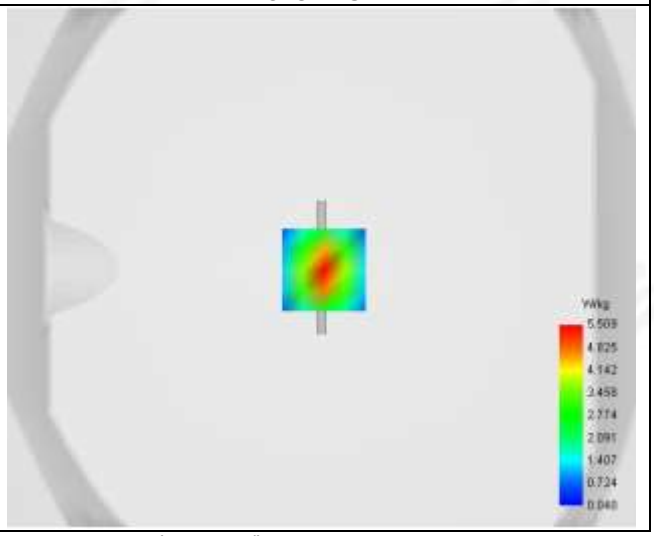
3D screen shot	Hot spot position
	

System Performance Check Data(2600MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2025-07-16

Experimental conditions.

Phantom	Validation plane
Device Position	-
Band	2600MHz
Channels	-
Signal	CW
Frequency (MHz)	2600MHz
Relative permittivity	39.21
Conductivity (S/m)	1.94
Probe	SN 08/21 EPGO352
ConvF	1.74
Crest factor:	1:1

SURFACE SAR	VOLUME SAR
	

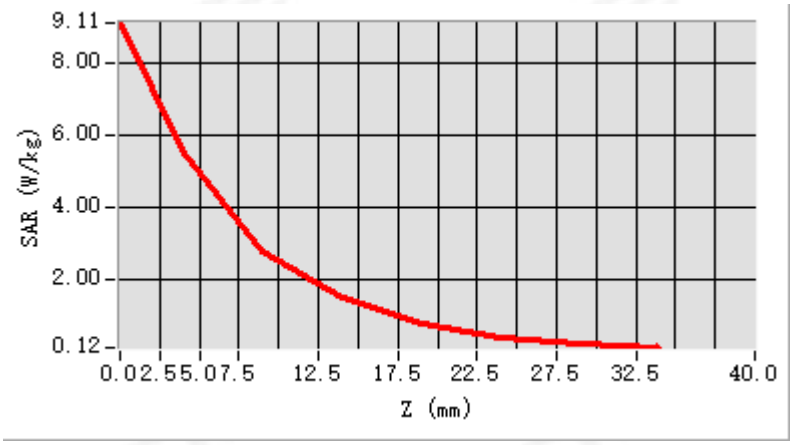
Maximum location: X=1.00, Y=-1.00 ; SAR Peak: 9.02 W/kg

D. SAR 1g & 10g

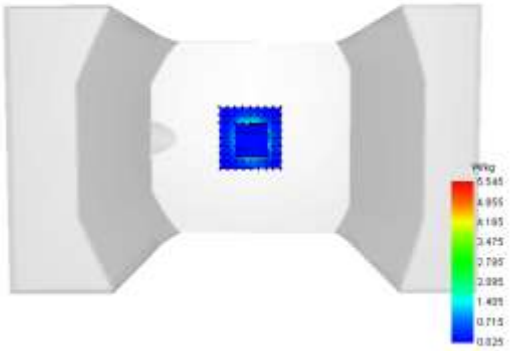
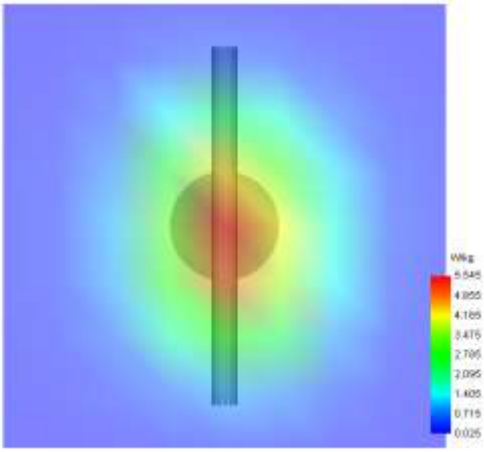
SAR 10g (W/Kg)	2.231
SAR 1g (W/Kg)	5.653
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	51.056495

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	9.114	5.509	2.813	1.509	0.793	0.417	0.219



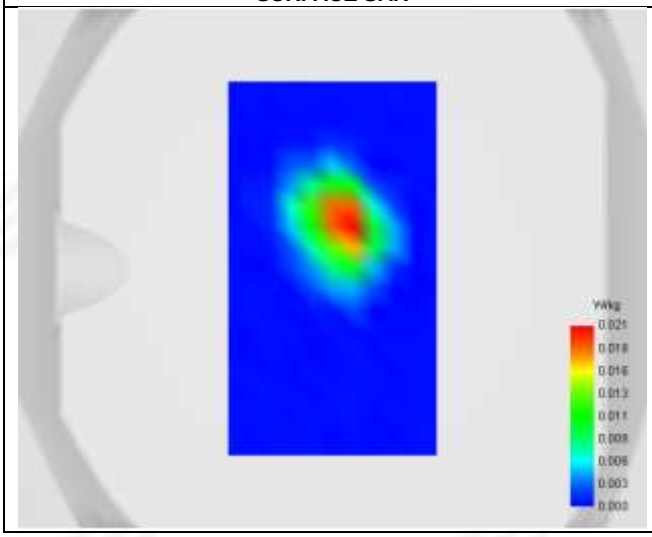
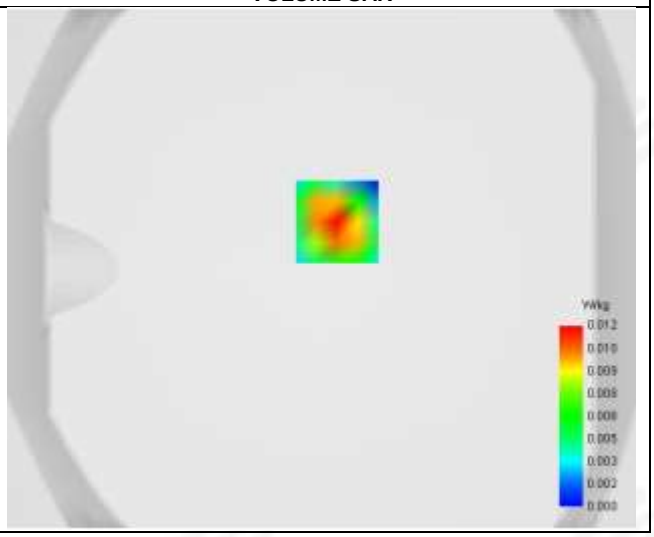
F. 3D Image

3D screen shot	Hot spot position
	

Appendix B. SAR Test Plots

Plot 1: DUT: smart watch; EUT Model: B1

Test Date	2025-07-14
ConvF	1.44
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Front of face
Band	LTE Band 5(RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	844
Relative permittivity (real part)	40.96
Conductivity (S/m)	0.94

SURFACE SAR	VOLUME SAR
	

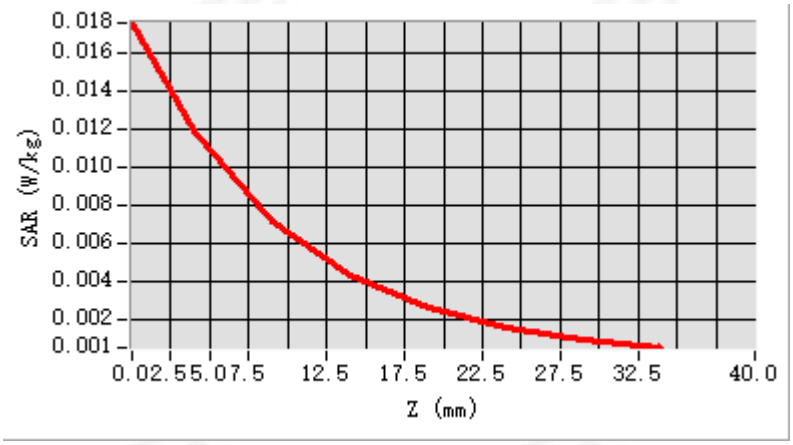
Maximum location: X=6.00, Y=18.00 ; SAR Peak: 0.02 W/kg

D. SAR 1g & 10g

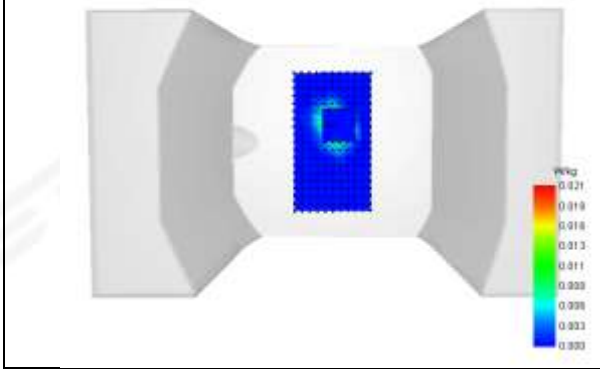
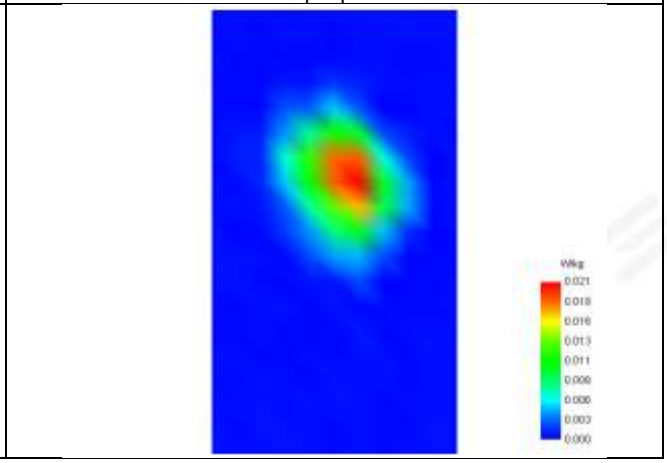
SAR 10g (W/Kg)	0.006
SAR 1g (W/Kg)	0.011
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	60.429568

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.018	0.012	0.007	0.004	0.003	0.002	0.001

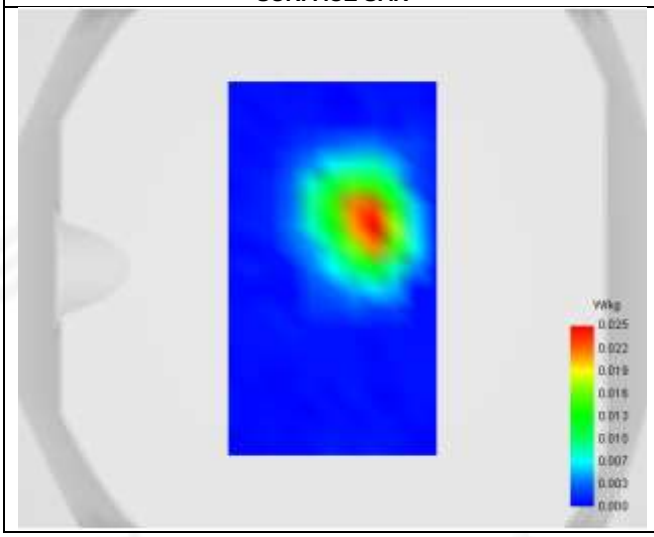
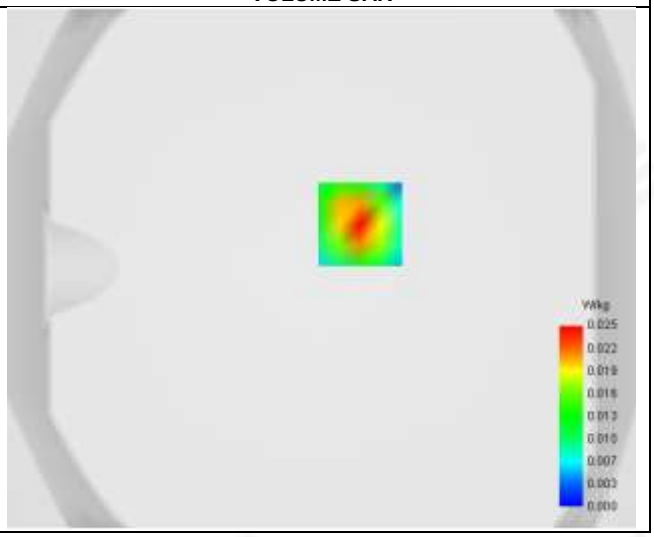


F. 3D Image

3D screen shot	Hot spot position
	

Plot 2: DUT: smart watch; EUT Model: B1

Test Date	2025-07-14
ConvF	1.44
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Wrist
Band	LTE Band 5(RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	844
Relative permittivity (real part)	40.96
Conductivity (S/m)	0.94

SURFACE SAR	VOLUME SAR
	

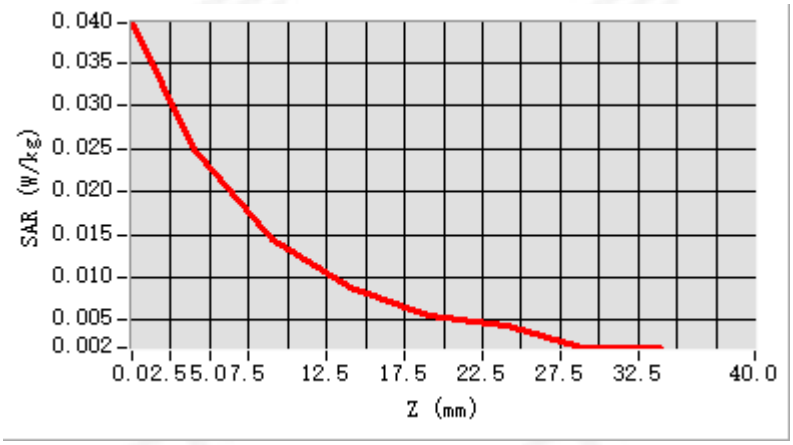
Maximum location: X=15.00, Y=17.00 ; SAR Peak: 0.04 W/kg

D. SAR 1g & 10g

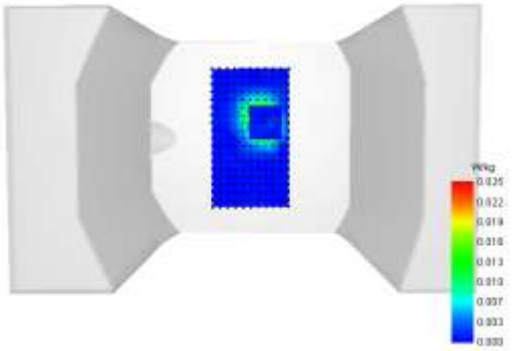
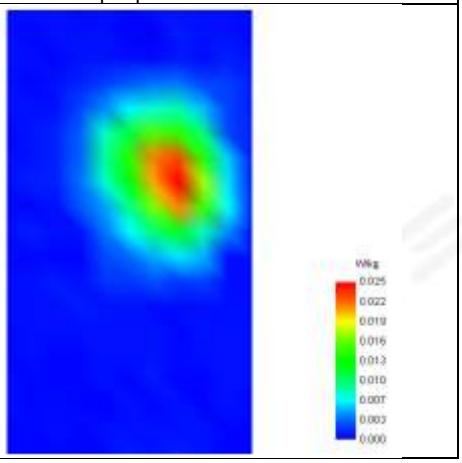
SAR 10g (W/Kg)	0.011
SAR 1g (W/Kg)	0.024
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	58.110858

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.040	0.025	0.014	0.009	0.006	0.004	0.002

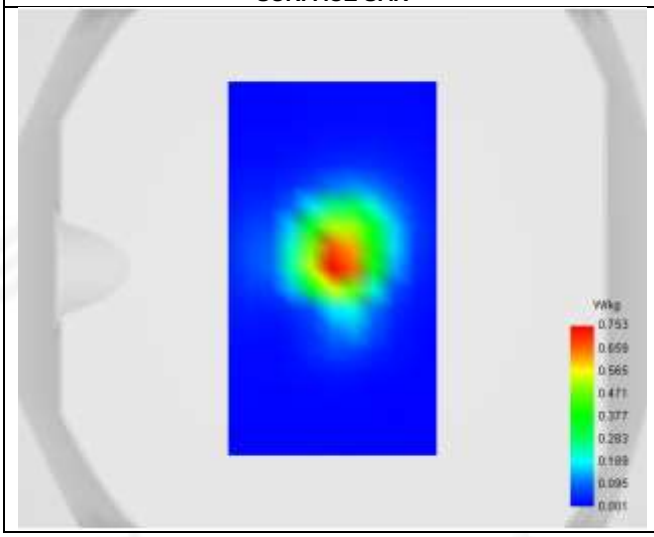
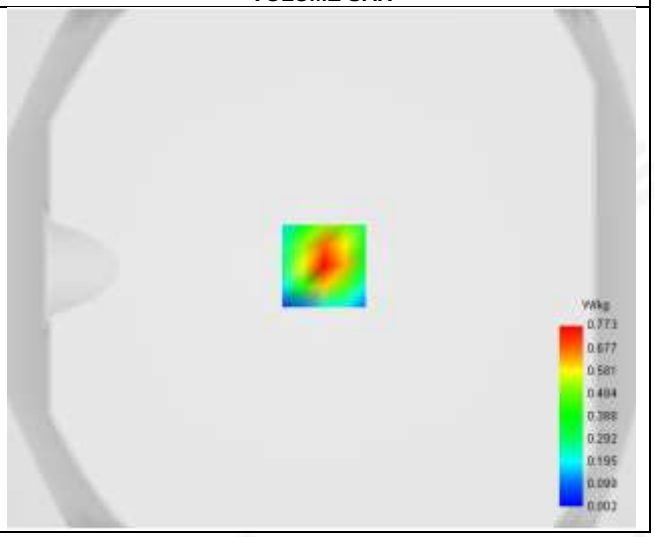


F. 3D Image

3D screen shot	Hot spot position
	

Plot 3: DUT: smart watch; EUT Model: B1

Test Date	2025-07-16
ConvF	1.74
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Front of face
Band	LTE Band 7(RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2560
Relative permittivity (real part)	40.36
Conductivity (S/m)	1.89

SURFACE SAR	VOLUME SAR
	

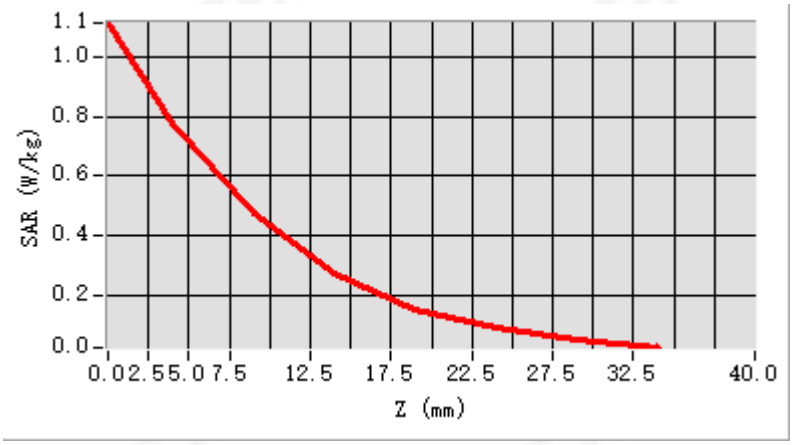
Maximum location: X=1.00, Y=1.00 ; SAR Peak: 1.13 W/kg

D. SAR 1g & 10g

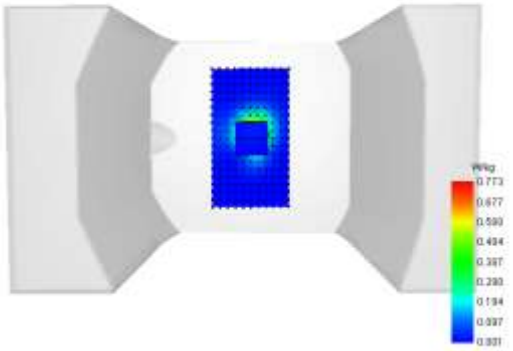
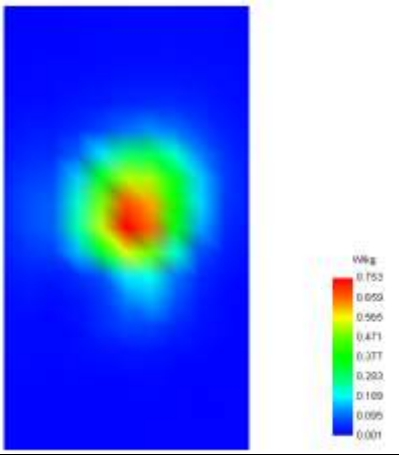
SAR 10g (W/Kg)	0.366
SAR 1g (W/Kg)	0.712
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	61.070382

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.111	0.773	0.472	0.276	0.157	0.092	0.054

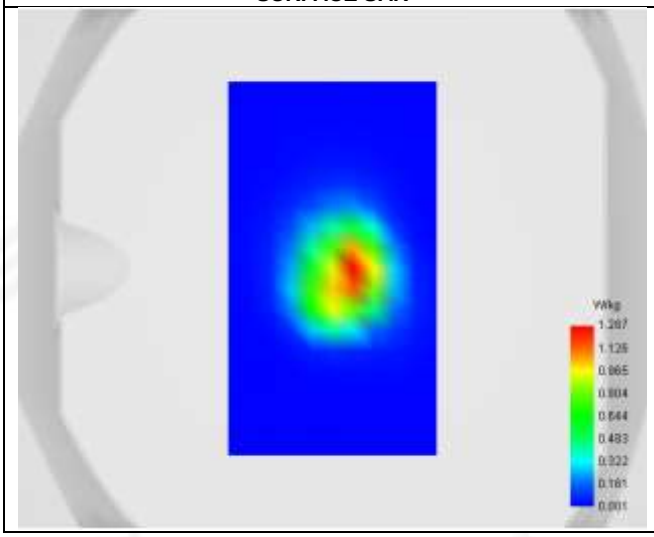
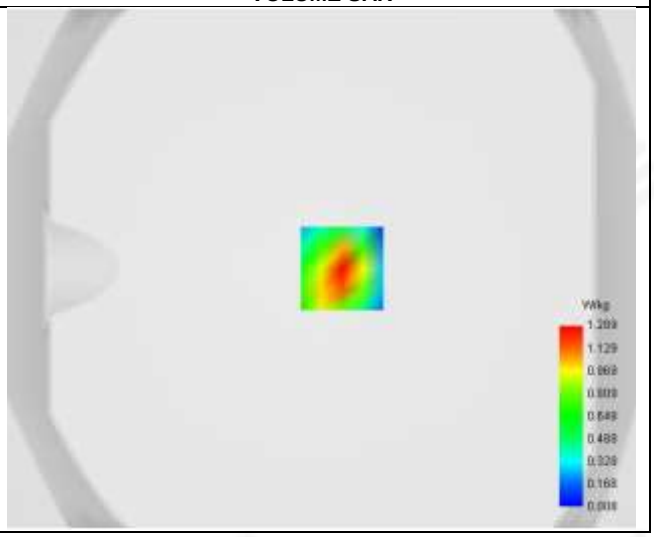


F. 3D Image

3D screen shot	Hot spot position
	

Plot 4: DUT: smart watch; EUT Model: B1

Test Date	2025-07-16
ConvF	1.74
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Wrist
Band	LTE Band 7(RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2560
Relative permittivity (real part)	40.36
Conductivity (S/m)	1.89

SURFACE SAR	VOLUME SAR
	

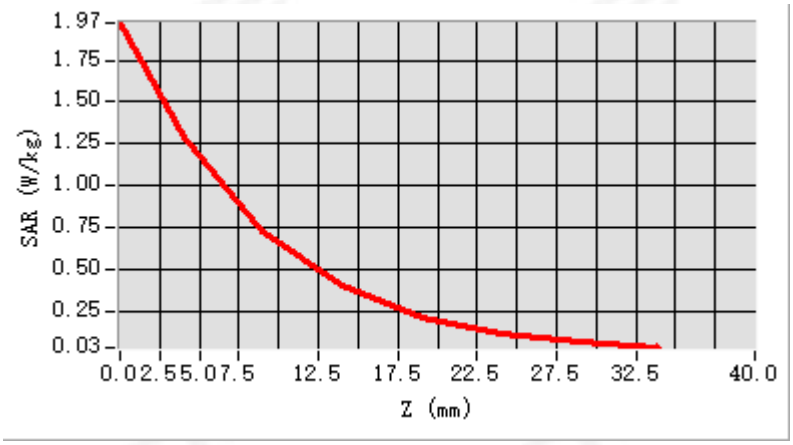
Maximum location: X=8.00, Y=0.00 ; SAR Peak: 2.00 W/kg

D. SAR 1g & 10g

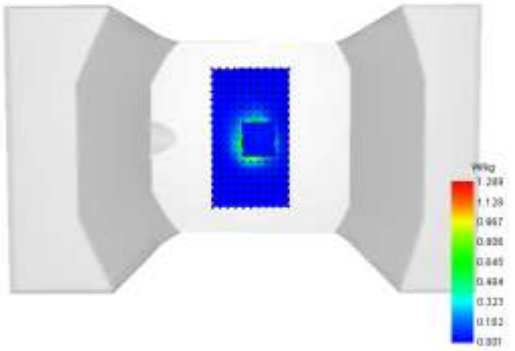
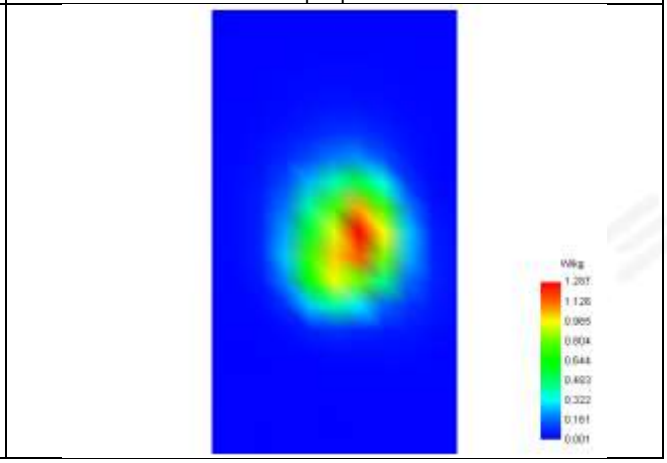
SAR 10g (W/Kg)	0.586
SAR 1g (W/Kg)	1.192
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	56.500033

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.973	1.289	0.728	0.399	0.217	0.119	0.066

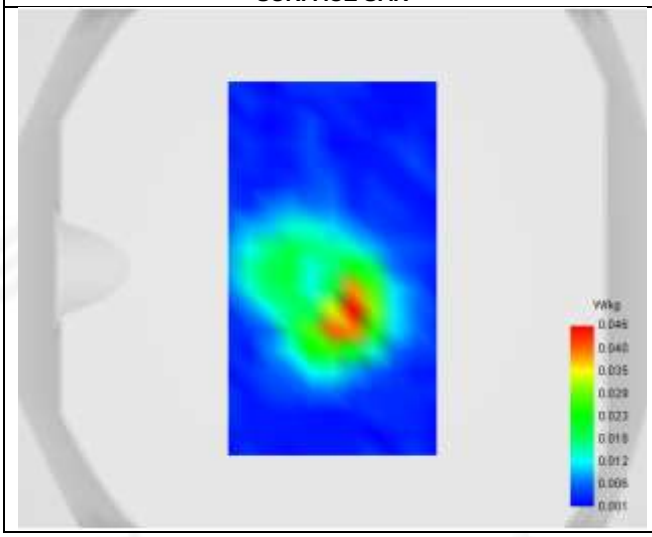
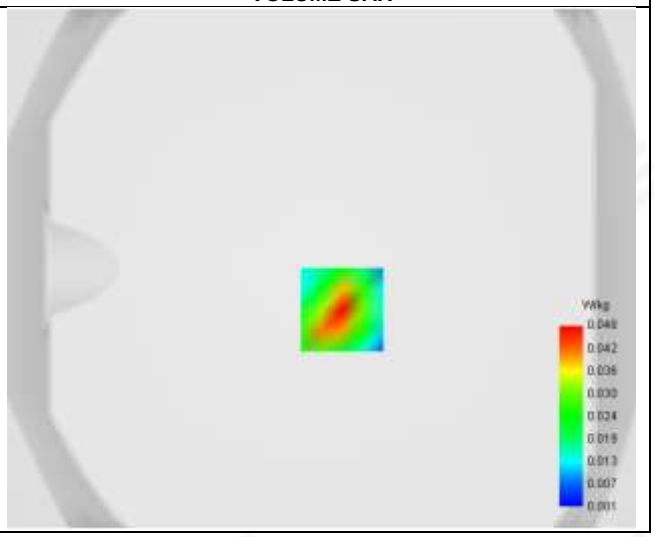


F. 3D Image

3D screen shot	Hot spot position
	

Plot 5: DUT: smart watch; EUT Model: B1

Test Date	2025-07-16
ConvF	1.80
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Front of face
Band	2.4G WIFI
Signal	802.11b (Crest factor: 1.0)
Frequency (MHz)	2437
Relative permittivity (real part)	39.74
Conductivity (S/m)	1.80

SURFACE SAR	VOLUME SAR
	

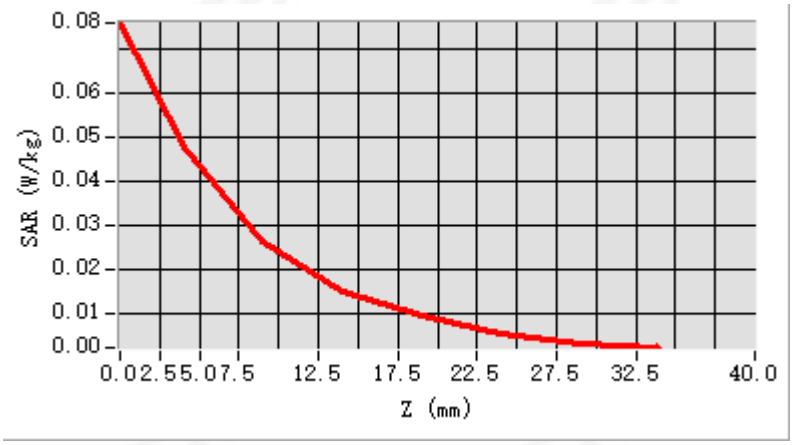
Maximum location: X=8.00, Y=-16.00 ; SAR Peak: 0.08 W/kg

D. SAR 1g & 10g

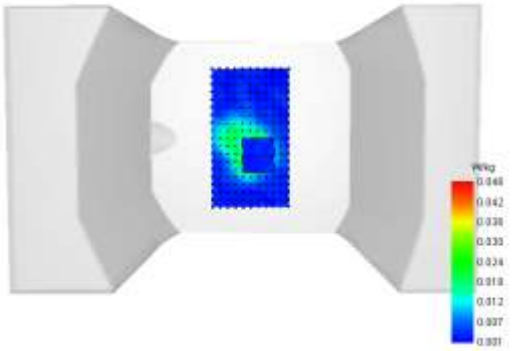
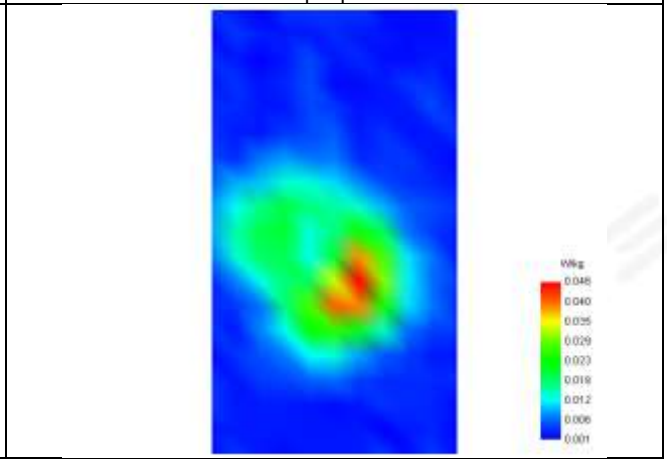
SAR 10g (W/Kg)	0.022
SAR 1g (W/Kg)	0.043
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	55.975440

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.076	0.048	0.027	0.015	0.010	0.006	0.003

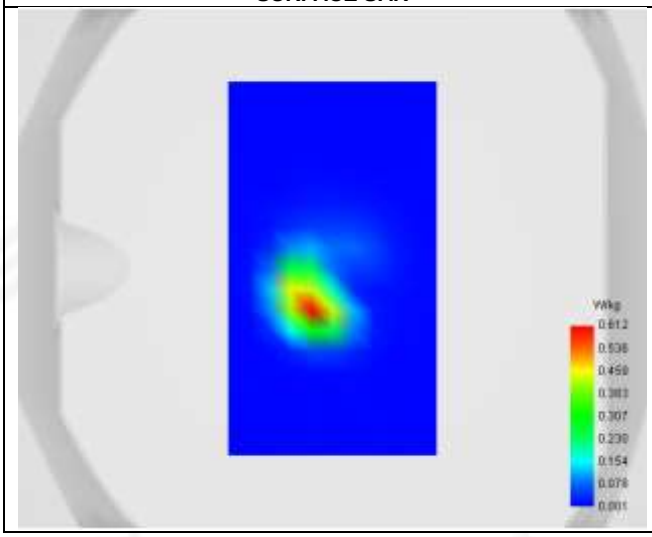
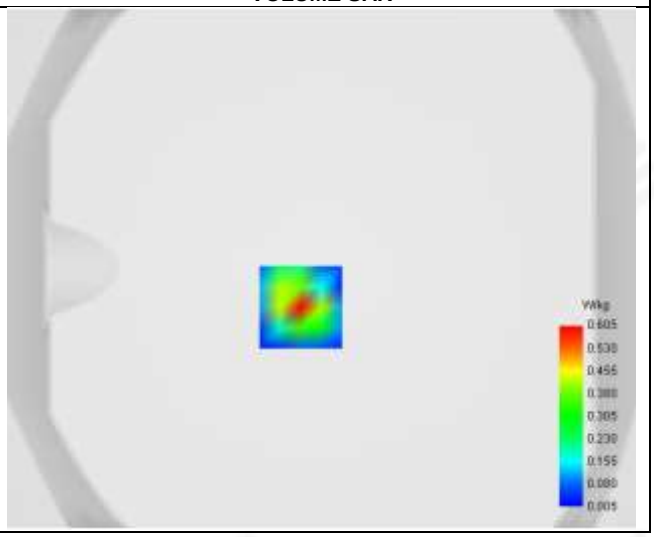


F. 3D Image

3D screen shot	Hot spot position
	

Plot 6: DUT: smart watch; EUT Model: B1

Test Date	2025-07-16
ConvF	1.80
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Wrist
Band	2.4G WIFI
Signal	802.11b (Crest factor: 1.0)
Frequency (MHz)	2437
Relative permittivity (real part)	39.74
Conductivity (S/m)	1.80

SURFACE SAR	VOLUME SAR
	

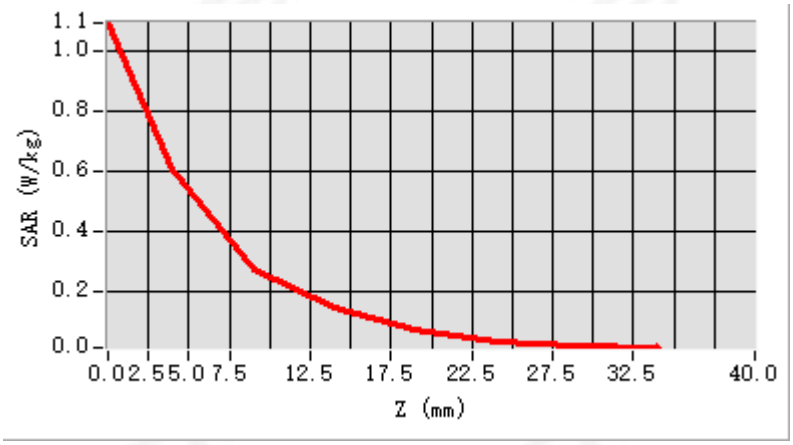
Maximum location: X=-8.00, Y=-15.00 ; SAR Peak: 1.07 W/kg

D. SAR 1g & 10g

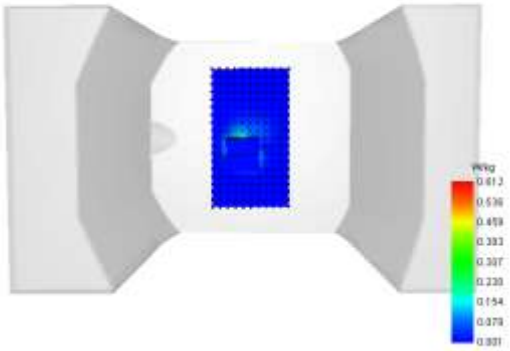
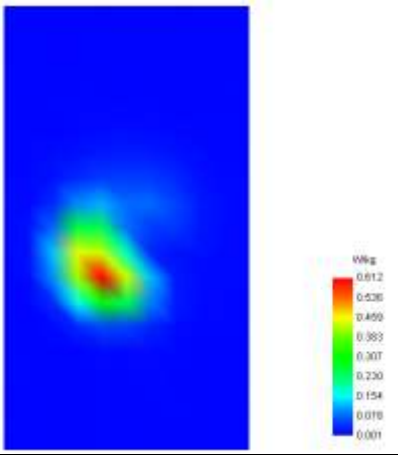
SAR 10g (W/Kg)	0.217
SAR 1g (W/Kg)	0.540
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	44.388947

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.092	0.605	0.269	0.142	0.070	0.034	0.017



F. 3D Image

3D screen shot	Hot spot position
	

Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※※END OF THE REPORT※※※※※