



SAR Test Report

Report No.: STS2507123H02

Issued for

Joint Chinese Ltd

Building 4 & 6, Huafeng Tech Park, Guangtian Road, Luotian
Industrial Area, Songgang Town, Bao'an District,
Shenzhen, China

Product Name: Smart Health Bracelet

Brand Name: N/A

Model Name: V6

Series Model(s): N/A

FCC ID: 2AB73-V6

Test Standard: ANSI/IEEE Std. C95.1
FCC 47 CFR Part 2 (2.1093)
IEEE Std. 1528-2013

Max. Report SAR (10&1g) Front of face: 0.430 W/kg (1g)
Wrist: 0.361 W/kg(10g)

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

**TEST REPORT CERTIFICATION**

Applicant's name: Joint Chinese Ltd
Address.....: Building 4 & 6, Huafeng Tech Park, Guangtian Road, Luotian
Industrial Area, Songgang Town, Bao' an District, Shenzhen, China
Manufacturer's Name.....: Joint Chinese Ltd
Address.....: Building 4 & 6, Huafeng Tech Park, Guangtian Road, Luotian
Industrial Area, Songgang Town, Bao' an District, Shenzhen, China
Factory Name: Joint Chinese Ltd
Address.....: Building 4 & 6, Huafeng Tech Park, Guangtian Road, Luotian
Industrial Area, Songgang Town, Bao' an District, Shenzhen, China
Product name.....: Smart Health Bracelet
Brand name: N/A
Model name: V6
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: 22 Aug 2025
Date of Issue: 29 Aug 2025
Test Result: **Pass**

Testing Engineer :

Xin Liu

(Xin.Liu)

Technical Manager :

Shi fan-long

(Shifan. Long)

Authorized Signatory :

Bovey Yang

(Bovey Yang)





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Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	29 Aug 2025	STS2507123H02	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 Health Bracelet			
Brand Name	N/A			
Model Name	V6			
Series Model	N/A			
Model Difference	N/A			
Sample number	250509011-4			
Battery	Rated Voltage: 3.7V Charge Limit Voltage:V Capacity: 250 mAh			
Device Category	Portable			
Product stage	Production unit			
RF Exposure Environment	General Population / Uncontrolled			
Hardware Version	N/A			
Software Version	J2358_V0104			
Frequency Range	LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 66: 1710 MHz ~ 1780 MHz			
Max. Reported SAR(1&10g): (Limit:1.6&4.0W/kg) Test distance: Wrist:0mm Front of face:5mm	Mode	Band	Front of face-1g (W/kg)	Wrist-10g (W/kg)
	PCT	CAT-M LTE Band 2	0.430	0.361
	PCT	CAT-M LTE Band 4	0.126	0.243
	PCT	CAT-M LTE Band 25	0.105	0.092
	PCT	CAT-M LTE Band 66	0.276	0.272
	PCT	NB-IoT LTE Band 2	0.104	0.289
	PCT	NB-IoT LTE Band 4	0.092	0.248
	PCT	NB-IoT LTE Band 25	0.096	0.242
	PCT	NB-IoT LTE Band 66	0.106	0.236
Limit			1.6W/kg	4.0W/kg
Operating Mode:	CAT-M: QPSK, 16QAM NB-IoT: BPSK,QPSK			
FCC Equipment Class	PCS Licensed Transmitter worn on body (PCT)			
SIM Card	Only support single SIM Card.			
Antenna Specification:	LTE: LDS Antenna			



Hotspot Mode	Not 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 (°C)	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 248227 D01 Wi-Fi SAR v02r02	SAR Considerations for 802.11 Devices
8	FCC KDB 941225 D05 v02r05	SAR for LTE 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(1g)
PARTIAL WRIST LIMIT
4.0 W/kg(10g)

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:

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

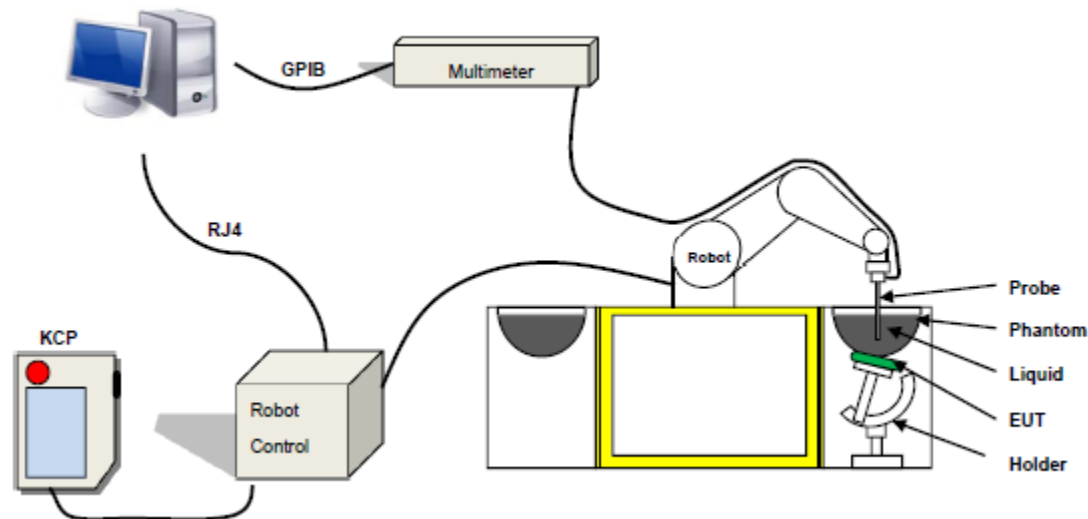
SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

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

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.

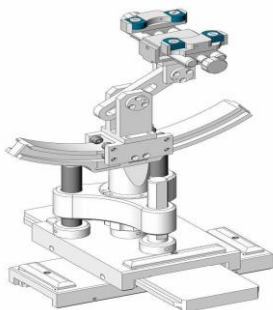
SN 32/14 SAM115



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 if 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	ϵ_r	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**

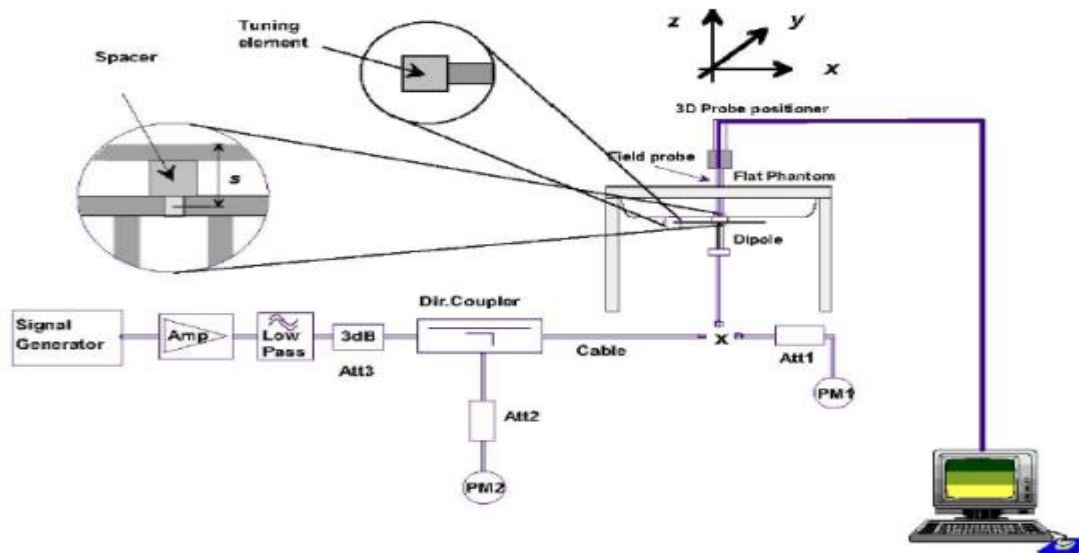
Date	Ambient		Simulating Liquid		Parameters	Target	Measured	Deviation %	Limited %
	Temp. [°C]	Humidity %	Frequency (MHz)	Temp. [°C]					
2025-08-22	20.6	57	1720.1	20.3	Permittivity	40.11	41.47	3.38	±5
					Conductivity	1.35	1.37	1.16	±5
2025-08-22	20.6	57	1745	20.3	Permittivity	40.08	40.37	0.73	±5
					Conductivity	1.37	1.40	2.30	±5
2025-08-22	20.6	58	1770	20.3	Permittivity	40.04	40.47	1.07	±5
					Conductivity	1.38	1.38	-0.21	±5
2025-08-22	20.7	58	1800	20.5	Permittivity	40.00	41.32	3.30	±5
					Conductivity	1.40	1.39	-0.71	±5
2025-08-22	20.5	56	1860	20.3	Permittivity	40.00	40.46	1.15	±5
					Conductivity	1.40	1.42	1.43	±5
2025-08-22	20.6	56	1860.1	20.3	Permittivity	40.00	40.66	1.65	±5
					Conductivity	1.40	1.39	-0.71	±5
2025-08-22	20.6	57	1880	20.2	Permittivity	40.00	40.78	1.95	±5
					Conductivity	1.40	1.42	1.43	±5
2025-08-22	20.8	58	1900	20.5	Permittivity	40.00	40.70	1.75	±5
					Conductivity	1.40	1.38	-1.43	±5
2025-08-22	20.8	58	1905	20.5	Permittivity	40.00	40.20	0.50	±5
					Conductivity	1.40	1.39	-0.71	±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 return 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)
5023-DIP1G800-747	Head	2023-12-20	-27.38	/	50.2	/
	Liquid	2024-12-11	-27.04	-1.23	48.48	-3.43
SN 30/14 DIP1G900-333	Head	2023-09-14	-23.66	/	51.4	/
	Liquid	2024-07-01	-23.62	-0.17	50.73	-1.30
		2025.07.03	-23.89	0.96	50.62	-1.52

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

Date	Frequency (MHz)	Power	SAR _{1g} (W/Kg)	SAR _{10g} (W/Kg)	Drift (%)	1W Target		Difference percentage		Limited %
						SAR _{1g} (W/Kg)	SAR _{10g} (W/Kg)	1g	10g	
2025-05-06	1800	100 mW	3.767	1.888	-2.76	38.40	20.10	-1.90%	-6.07%	10
		Normalize to 1 Watt	37.67	18.88						
2025-05-07	1900	100 mW	3.796	1.892	2.05	39.84	20.20	-4.72%	-6.34%	10
		Normalize to 1 Watt	37.96	18.92						

Note:

1. The tolerance limit of System validation $\pm 10\%$.
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 to 16 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.

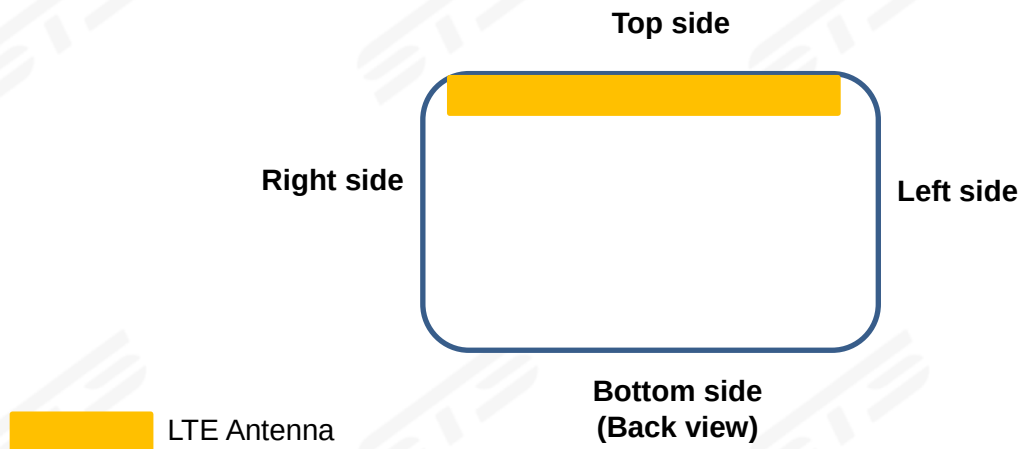
➤ Area Scan& Zoom Scan

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

It is a Smart Health Bracelet, support LTE mode.



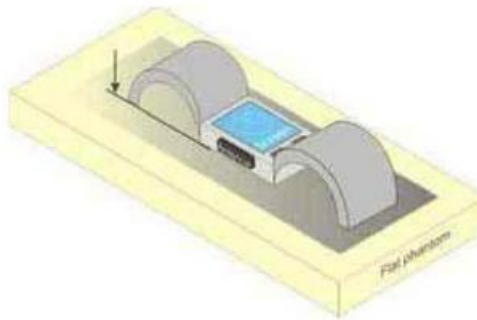
8. EUT Test Position

This EUT was tested in Front Face and Rear Face.

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 position for limb-worn devices



9. Uncertainty

9.1 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 EPG0352									
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	E.2.5	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	E.2.5	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 EPG0352									
• 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	E.2.5	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	



10. Conducted Power Measurement

10.1 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 ≤ 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 $\frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 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 $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05, smaller bandwidth SAR testing is not required.
 8. According to April 2015 TCB workshop, SAR test exclusion can be applied for testing overlapping LTE bands as follows:
 - a) The maximum output power, including tolerance, for the smaller band must be $\leq$ the larger band to qualify for the SAR test exclusion.
 - b) The channel bandwidth and other operating parameters for the smaller band must be fully supported by the larger band.
- . LTE Band 2 (1850-1910 MHz) is covered by LTE Band 25(1850-1915 MHz)
 - . LTE Band 4 (1710-1755 MHz) is covered by LTE Band 66 (1710-1780MHz)
 - . LTE Band 17 (704-716 MHz) is covered by LTE Band 12(699-716MHz)



EIRP for CAT-M Band 2						
BW (MHz)	UL Channel	RB Size	RB offset	NB Index	Modulation	Conduction AVG Power(dBm)
1.4	Lowest	1	#0	0	QPSK	20.16
1.4		6	#0	0	QPSK	19.55
1.4		1	#0	0	16QAM	20.49
1.4		5	#0	0	16QAM	19.39
1.4	Middle	1	#0	0	QPSK	21.82
1.4		6	#0	0	QPSK	19.69
1.4		1	#0	0	16QAM	20.68
1.4		5	#0	0	16QAM	19.69
1.4	Highest	1	#Max	0	QPSK	21.5
1.4		6	#Max	0	QPSK	19.25
1.4		1	#Max	0	16QAM	20.73
1.4		5	#Max	0	16QAM	19.78
3	Lowest	1	#0	0	QPSK	21.57
3		6	#0	0	QPSK	19.53
3		1	#0	0	16QAM	20.44
3		5	#0	0	16QAM	19.54
3	Middle	1	#0	0	QPSK	21.83
3		6	#0	0	QPSK	19.71
3		1	#0	0	16QAM	20.71
3		5	#0	0	16QAM	19.67
3	Highest	1	#Max	1	QPSK	21.49
3		6	#Max	1	QPSK	19.71
3		1	#Max	1	16QAM	20.69
3		5	#Max	1	16QAM	19.75
5	Lowest	1	#0	0	QPSK	21.64
5		6	#0	0	QPSK	20.52
5		1	#0	0	16QAM	21.54
5		5	#0	0	16QAM	20.37
5	Middle	1	#0	0	QPSK	21.89
5		6	#0	0	QPSK	20.67
5		1	#0	0	16QAM	21.73
5		5	#0	0	16QAM	20.79
5	Highest	1	#Max	3	QPSK	21.64
5		6	#Max	3	QPSK	20.79
5		1	#Max	3	16QAM	21.74



5		5	#Max	3	16QAM	20.77
10	Lowest	1	#0	0	QPSK	21.51
10		4	#0	0	QPSK	21.62
10		1	#0	0	16QAM	21.4
10		4	#0	0	16QAM	21.62
10	Middle	1	#0	0	QPSK	21.64
10		4	#0	0	QPSK	21.6
10		1	#0	0	16QAM	21.85
10		4	#0	0	16QAM	21.65
10	Highest	1	#Max	7	QPSK	21.74
10		4	#Max	7	QPSK	21.8
10		1	#Max	7	16QAM	21.55
10		4	#Max	7	16QAM	21.5
15	Lowest	1	#0	7	QPSK	21.53
15		6	#0	7	QPSK	21.62
15		1	#0	0	16QAM	21.41
15		5	#0	0	16QAM	21.73
15	Middle	1	#0	7	QPSK	21.8
15		6	#0	7	QPSK	21.72
15		1	#0	0	16QAM	21.65
15		5	#0	0	16QAM	21.56
15	Highest	1	#Max	11	QPSK	21.6
15		6	#Max	11	QPSK	21.78
15		1	#Max	11	16QAM	21.86
15		5	#Max	1	16QAM	21.81
20	Lowest	1	#0	0	QPSK	21.63
20		6	#0	0	QPSK	21.54
20		1	#0	0	16QAM	21.37
20		5	#0	0	16QAM	21.67
20	Middle	1	#0	0	QPSK	21.73
20		6	#0	0	QPSK	21.63
20		1	#0	0	16QAM	21.58
20		5	#0	0	16QAM	21.48
20	Highest	1	#Max	15	QPSK	21.66
20		6	#Max	15	QPSK	21.8
20		1	#Max	15	16QAM	21.9
20		5	#Max	15	16QAM	22.07



EIRP for CAT-M Band 4						
BW (MHz)	UL Channel	RB Size	RB offset	NB Index	Modulation	Conduction AVG Power(dBm)
1.4	Lowest	1	#0	0	QPSK	21.45
1.4		6	#0	0	QPSK	19.26
1.4		1	#0	0	16QAM	20.27
1.4		5	#0	0	16QAM	19.25
1.4	Middle	1	#0	0	QPSK	21.36
1.4		6	#0	0	QPSK	19.29
1.4		1	#0	0	16QAM	20.51
1.4		5	#0	0	16QAM	19.29
1.4	Highest	1	#Max	0	QPSK	21.19
1.4		6	#Max	0	QPSK	19.42
1.4		1	#Max	0	16QAM	20.51
1.4		5	#Max	0	16QAM	19.13
3	Lowest	1	#0	0	QPSK	21.51
3		6	#0	0	QPSK	19.29
3		1	#0	0	16QAM	20.29
3		5	#0	0	16QAM	19.32
3	Middle	1	#0	0	QPSK	21.41
3		6	#0	0	QPSK	19.31
3		1	#0	0	16QAM	20.25
3		5	#0	0	16QAM	19.15
3	Highest	1	#Max	1	QPSK	21.38
3		6	#Max	1	QPSK	19.48
3		1	#Max	1	16QAM	20.58
3		5	#Max	1	16QAM	19.52
5	Lowest	1	#0	0	QPSK	21.24
5		6	#0	0	QPSK	20.26
5		1	#0	0	16QAM	21.34
5		5	#0	0	16QAM	20.45
5	Middle	1	#0	0	QPSK	21.23
5		6	#0	0	QPSK	20.2
5		1	#0	0	16QAM	21.22
5		5	#0	0	16QAM	20.15
5	Highest	1	#Max	3	QPSK	21.56
5		6	#Max	3	QPSK	20.53
5		1	#Max	3	16QAM	21.38



5		5	#Max	3	16QAM	20.64
10	Lowest	1	#0	0	QPSK	21.38
10		4	#0	0	QPSK	21.43
10		1	#0	0	16QAM	21.35
10		4	#0	0	16QAM	21.48
10	Middle	1	#0	0	QPSK	21.39
10		4	#0	0	QPSK	21.35
10		1	#0	0	16QAM	21.36
10		4	#0	0	16QAM	21.19
10	Highest	1	#Max	7	QPSK	21.38
10		4	#Max	7	QPSK	21.39
10		1	#Max	7	16QAM	21.37
10		4	#Max	7	16QAM	21.57
15	Lowest	1	#0	7	QPSK	21.5
15		6	#0	7	QPSK	21.36
15		1	#0	0	16QAM	21.35
15		5	#0	0	16QAM	21.49
15	Middle	1	#0	7	QPSK	21.3
15		6	#0	7	QPSK	21.26
15		1	#0	0	16QAM	21.42
15		5	#0	0	16QAM	21.31
15	Highest	1	#Max	11	QPSK	21.25
15		6	#Max	11	QPSK	21.43
15		1	#Max	11	16QAM	21.37
15		5	#Max	1	16QAM	21.31
20	Lowest	1	#0	0	QPSK	21.35
20		6	#0	0	QPSK	21.33
20		1	#0	0	16QAM	21.38
20		5	#0	0	16QAM	21.53
20	Middle	1	#0	0	QPSK	21.38
20		6	#0	0	QPSK	21.36
20		1	#0	0	16QAM	21.35
20		5	#0	0	16QAM	21.27
20	Highest	1	#Max	15	QPSK	21.33
20		6	#Max	15	QPSK	21.41
20		1	#Max	15	16QAM	21.43
20		5	#Max	15	16QAM	21.7



EIRP for CAT-M Band 25						
BW (MHz)	UL Channel	RB Size	RB offset	NB Index	Modulation	Conduction AVG Power(dBm)
1.4	Lowest	1	#0	0	QPSK	20.8
1.4		6	#0	0	QPSK	18.64
1.4		1	#0	0	16QAM	19.53
1.4		5	#0	0	16QAM	18.44
1.4	Middle	1	#0	0	QPSK	20.95
1.4		6	#0	0	QPSK	18.8
1.4		1	#0	0	16QAM	19.87
1.4		5	#0	0	16QAM	18.67
1.4	Highest	1	#Max	0	QPSK	20.51
1.4		6	#Max	0	QPSK	17.99
1.4		1	#Max	0	16QAM	19.78
1.4		5	#Max	0	16QAM	18.67
3	Lowest	1	#0	0	QPSK	20.7
3		6	#0	0	QPSK	18.61
3		1	#0	0	16QAM	19.44
3		5	#0	0	16QAM	18.52
3	Middle	1	#0	0	QPSK	20.79
3		6	#0	0	QPSK	18.77
3		1	#0	0	16QAM	19.79
3		5	#0	0	16QAM	18.68
3	Highest	1	#Max	1	QPSK	20.55
3		6	#Max	1	QPSK	18.72
3		1	#Max	1	16QAM	19.74
3		5	#Max	1	16QAM	18.88
5	Lowest	1	#0	0	QPSK	20.61
5		6	#0	0	QPSK	19.5
5		1	#0	0	16QAM	20.46
5		5	#0	0	16QAM	19.7
5	Middle	1	#0	0	QPSK	20.85
5		6	#0	0	QPSK	19.77
5		1	#0	0	16QAM	20.75
5		5	#0	0	16QAM	19.53
5	Highest	1	#Max	3	QPSK	20.57
5		6	#Max	3	QPSK	19.63
5		1	#Max	3	16QAM	20.76



5		5	#Max	3	16QAM	20.01
10	Lowest	1	#0	0	QPSK	20.61
10		4	#0	0	QPSK	20.68
10		1	#0	0	16QAM	20.44
10		4	#0	0	16QAM	20.62
10	Middle	1	#0	0	QPSK	20.74
10		4	#0	0	QPSK	20.66
10		1	#0	0	16QAM	20.7
10		4	#0	0	16QAM	20.51
10	Highest	1	#Max	7	QPSK	20.59
10		4	#Max	7	QPSK	20.68
10		1	#Max	7	16QAM	20.69
10		4	#Max	7	16QAM	20.84
15	Lowest	1	#0	7	QPSK	20.63
15		6	#0	7	QPSK	20.52
15		1	#0	0	16QAM	20.26
15		5	#0	0	16QAM	20.65
15	Middle	1	#0	7	QPSK	20.88
15		6	#0	7	QPSK	20.76
15		1	#0	0	16QAM	20.78
15		5	#0	0	16QAM	20.58
15	Highest	1	#Max	11	QPSK	20.64
15		6	#Max	11	QPSK	20.78
15		1	#Max	11	16QAM	20.78
15		5	#Max	1	16QAM	21.05
20	Lowest	1	#0	0	QPSK	20.72
20		6	#0	0	QPSK	20.63
20		1	#0	0	16QAM	20.45
20		5	#0	0	16QAM	20.65
20	Middle	1	#0	0	QPSK	20.73
20		6	#0	0	QPSK	20.62
20		1	#0	0	16QAM	20.69
20		5	#0	0	16QAM	20.49
20	Highest	1	#Max	15	QPSK	20.68
20		6	#Max	15	QPSK	20.93
20		1	#Max	15	16QAM	20.87
20		5	#Max	15	16QAM	21.1



EIRP for CAT-M Band 66						
BW (MHz)	UL Channel	RB Size	RB offset	NB Index	Modulation	Conduction AVG Power(dBm)
1.4	Lowest	1	#0	0	QPSK	20.92
1.4		6	#0	0	QPSK	18.92
1.4		1	#0	0	16QAM	19.8
1.4		5	#0	0	16QAM	18.84
1.4	Middle	1	#0	0	QPSK	20.82
1.4		6	#0	0	QPSK	18.75
1.4		1	#0	0	16QAM	19.64
1.4		5	#0	0	16QAM	18.61
1.4	Highest	1	#Max	0	QPSK	20.81
1.4		6	#Max	0	QPSK	18.87
1.4		1	#Max	0	16QAM	19.75
1.4		5	#Max	0	16QAM	18.91
3	Lowest	1	#0	0	QPSK	20.84
3		6	#0	0	QPSK	18.75
3		1	#0	0	16QAM	19.75
3		5	#0	0	16QAM	18.87
3	Middle	1	#0	0	QPSK	20.82
3		6	#0	0	QPSK	18.69
3		1	#0	0	16QAM	19.66
3		5	#0	0	16QAM	18.67
3	Highest	1	#Max	1	QPSK	20.81
3		6	#Max	1	QPSK	18.99
3		1	#Max	1	16QAM	19.79
3		5	#Max	1	16QAM	18.94
5	Lowest	1	#0	0	QPSK	20.8
5		6	#0	0	QPSK	19.83
5		1	#0	0	16QAM	20.67
5		5	#0	0	16QAM	19.91
5	Middle	1	#0	0	QPSK	20.82
5		6	#0	0	QPSK	19.71
5		1	#0	0	16QAM	20.67
5		5	#0	0	16QAM	19.58
5	Highest	1	#Max	3	QPSK	20.52
5		6	#Max	3	QPSK	19.88
5		1	#Max	3	16QAM	20.82



5		5	#Max	3	16QAM	20.02
10	Lowest	1	#0	0	QPSK	20.8
10		4	#0	0	QPSK	20.87
10		1	#0	0	16QAM	20.72
10		4	#0	0	16QAM	21.07
10	Middle	1	#0	0	QPSK	20.8
10		4	#0	0	QPSK	20.69
10		1	#0	0	16QAM	20.6
10		4	#0	0	16QAM	20.53
10	Highest	1	#Max	7	QPSK	20.62
10		4	#Max	7	QPSK	20.93
10		1	#Max	7	16QAM	20.92
10		4	#Max	7	16QAM	21.12
15	Lowest	1	#0	7	QPSK	21.17
15		6	#0	7	QPSK	20.98
15		1	#0	0	16QAM	20.73
15		5	#0	0	16QAM	21.06
15	Middle	1	#0	7	QPSK	20.86
15		6	#0	7	QPSK	20.75
15		1	#0	0	16QAM	20.69
15		5	#0	0	16QAM	20.59
15	Highest	1	#Max	11	QPSK	20.4
15		6	#Max	11	QPSK	20.98
15		1	#Max	11	16QAM	20.92
15		5	#Max	1	16QAM	21.11
20	Lowest	1	#0	0	QPSK	20.91
20		6	#0	0	QPSK	20.84
20		1	#0	0	16QAM	20.69
20		5	#0	0	16QAM	20.96
20	Middle	1	#0	0	QPSK	20.91
20		6	#0	0	QPSK	20.78
20		1	#0	0	16QAM	20.74
20		5	#0	0	16QAM	20.7
20	Highest	1	#Max	15	QPSK	20.61
20		6	#Max	15	QPSK	20.71
20		1	#Max	15	16QAM	20.92
20		5	#Max	15	16QAM	21.07



NB-IoT Band 2 Maximum Average Power [dBm]										
Mode	Subcarrier Space (KHz)	UL Channel	Modulation	RB Configure	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
Band 2 Standalone	3.75	Lowest	BPSK	1@0	20.73	1.94	22.67	2.00	33.01	PASS
			BPSK	1@47	20.63	1.94	22.57	2.00	33.01	PASS
			QPSK	1@0	20.71	1.94	22.65	2.00	33.01	PASS
			QPSK	1@47	20.63	1.94	22.57	2.00	33.01	PASS
		Middle	BPSK	1@0	20.41	1.94	22.35	2.00	33.01	PASS
			BPSK	1@47	20.38	1.94	22.32	2.00	33.01	PASS
			QPSK	1@0	20.42	1.94	22.36	2.00	33.01	PASS
			QPSK	1@47	20.38	1.94	22.32	2.00	33.01	PASS
		Highest	BPSK	1@0	20.35	1.94	22.29	2.00	33.01	PASS
			BPSK	1@47	20.32	1.94	22.26	2.00	33.01	PASS
			QPSK	1@0	20.35	1.94	22.29	2.00	33.01	PASS
			QPSK	1@47	20.33	1.94	22.27	2.00	33.01	PASS
	15	Lowest	BPSK	1@0	20.75	1.94	22.69	2.00	33.01	PASS
			BPSK	1@11	20.77	1.94	22.71	2.00	33.01	PASS
			QPSK	1@0	20.74	1.94	22.68	2.00	33.01	PASS
			QPSK	1@11	20.78	1.94	22.72	2.00	33.01	PASS
		Middle	QPSK	12@0	18.71	1.94	20.65	2.00	33.01	PASS
			BPSK	1@0	20.52	1.94	22.46	2.00	33.01	PASS
			BPSK	1@11	20.48	1.94	22.42	2.00	33.01	PASS
			QPSK	1@0	20.47	1.94	22.41	2.00	33.01	PASS
			QPSK	1@11	20.47	1.94	22.41	2.00	33.01	PASS
		Highest	QPSK	12@0	18.43	1.94	20.37	2.00	33.01	PASS
			BPSK	1@0	20.34	1.94	22.28	2.00	33.01	PASS
			BPSK	1@11	20.37	1.94	22.31	2.00	33.01	PASS
			QPSK	1@0	20.35	1.94	22.29	2.00	33.01	PASS
			QPSK	1@11	20.38	1.94	22.32	2.00	33.01	PASS
			QPSK	12@0	18.33	1.94	20.27	2.00	33.01	PASS

NB-IoT Band 4 Maximum Average Power [dBm]										
Mode	Subcarrier Space (KHz)	UL Channel	Modulation	RB Configure	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
Band 4 Standalone	3.75	Lowest	BPSK	1@0	21.97	-0.06	21.91	1.00	30.00	PASS
			BPSK	1@47	21.87	-0.06	21.81	1.00	30.00	PASS
			QPSK	1@0	21.91	-0.06	21.85	1.00	30.00	PASS
			QPSK	1@47	21.86	-0.06	21.80	1.00	30.00	PASS
		Middle	BPSK	1@0	21.78	-0.06	21.72	1.00	30.00	PASS
			BPSK	1@47	21.74	-0.06	21.68	1.00	30.00	PASS
			QPSK	1@0	21.79	-0.06	21.73	1.00	30.00	PASS
			QPSK	1@47	21.72	-0.06	21.66	1.00	30.00	PASS
		Highest	BPSK	1@0	21.62	-0.06	21.56	1.00	30.00	PASS
			BPSK	1@47	21.54	-0.06	21.48	1.00	30.00	PASS
			QPSK	1@0	21.6	-0.06	21.54	1.00	30.00	PASS
			QPSK	1@47	21.58	-0.06	21.52	1.00	30.00	PASS
	15	Lowest	BPSK	1@0	22.03	-0.06	21.97	1.00	30.00	PASS
			BPSK	1@11	22.01	-0.06	21.95	1.00	30.00	PASS
			QPSK	1@0	22.02	-0.06	21.96	1.00	30.00	PASS
			QPSK	1@11	22.04	-0.06	21.98	1.00	30.00	PASS
		Middle	QPSK	12@0	19.86	-0.06	19.80	1.00	30.00	PASS
			BPSK	1@0	21.84	-0.06	21.78	1.00	30.00	PASS
			BPSK	1@11	21.86	-0.06	21.80	1.00	30.00	PASS
			QPSK	1@0	21.82	-0.06	21.76	1.00	30.00	PASS
			QPSK	1@11	21.82	-0.06	21.76	1.00	30.00	PASS
		Highest	QPSK	12@0	19.79	-0.06	19.73	1.00	30.00	PASS
			BPSK	1@0	21.7	-0.06	21.64	1.00	30.00	PASS
			BPSK	1@11	21.69	-0.06	21.63	1.00	30.00	PASS
			QPSK	1@0	21.7	-0.06	21.64	1.00	30.00	PASS
			QPSK	1@11	21.69	-0.06	21.63	1.00	30.00	PASS
			QPSK	12@0	19.69	-0.06	19.63	1.00	30.00	PASS



NB-IoT Band 25 Maximum Average Power [dBm]										
Mode	Subcarrier Space (KHz)	UL Channel	Modulation	RB Configure	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
Band 5 Standalone	3.75	Lowest	BPSK	1@0	20.74	1.94	22.68	2.00	33.01	PASS
			BPSK	1@47	20.7	1.94	22.64	2.00	33.01	PASS
			QPSK	1@0	20.75	1.94	22.69	2.00	33.01	PASS
			QPSK	1@47	20.68	1.94	22.62	2.00	33.01	PASS
		Middle	BPSK	1@0	20.42	1.94	22.36	2.00	33.01	PASS
			BPSK	1@47	20.42	1.94	22.36	2.00	33.01	PASS
			QPSK	1@0	20.41	1.94	22.35	2.00	33.01	PASS
			QPSK	1@47	20.41	1.94	22.35	2.00	33.01	PASS
		Highest	BPSK	1@0	20.41	1.94	22.35	2.00	33.01	PASS
			BPSK	1@47	20.36	1.94	22.30	2.00	33.01	PASS
			QPSK	1@0	20.39	1.94	22.33	2.00	33.01	PASS
			QPSK	1@47	20.32	1.94	22.26	2.00	33.01	PASS
	15	Lowest	BPSK	1@0	20.79	1.94	22.73	2.00	33.01	PASS
			BPSK	1@11	20.77	1.94	22.71	2.00	33.01	PASS
			QPSK	1@0	20.78	1.94	22.72	2.00	33.01	PASS
			QPSK	1@11	20.79	1.94	22.73	2.00	33.01	PASS
		Middle	QPSK	12@0	18.68	1.94	20.62	2.00	33.01	PASS
			BPSK	1@0	20.5	1.94	22.44	2.00	33.01	PASS
			BPSK	1@11	20.44	1.94	22.38	2.00	33.01	PASS
			QPSK	1@0	20.48	1.94	22.42	2.00	33.01	PASS
			QPSK	1@11	20.47	1.94	22.41	2.00	33.01	PASS
		Highest	QPSK	12@0	18.44	1.94	20.38	2.00	33.01	PASS
			BPSK	1@0	20.38	1.94	22.32	2.00	33.01	PASS
			BPSK	1@11	20.36	1.94	22.30	2.00	33.01	PASS
			QPSK	1@0	20.39	1.94	22.33	2.00	33.01	PASS
			QPSK	1@11	20.4	1.94	22.34	2.00	33.01	PASS
			QPSK	12@0	18.33	1.94	20.27	2.00	33.01	PASS

NB-IoT Band 66 Maximum Average Power [dBm]										
Mode	Subcarrier Space (KHz)	UL Channel	Modulation	RB Configure	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
Band 5 Standalone	3.75	Lowest	BPSK	1@0	21.96	-0.06	21.90	1.00	30.00	PASS
			BPSK	1@47	21.88	-0.06	21.82	1.00	30.00	PASS
			QPSK	1@0	21.96	-0.06	21.90	1.00	30.00	PASS
			QPSK	1@47	21.89	-0.06	21.83	1.00	30.00	PASS
		Middle	BPSK	1@0	21.73	-0.06	21.67	1.00	30.00	PASS
			BPSK	1@47	21.66	-0.06	21.60	1.00	30.00	PASS
			QPSK	1@0	21.74	-0.06	21.68	1.00	30.00	PASS
			QPSK	1@47	21.67	-0.06	21.61	1.00	30.00	PASS
		Highest	BPSK	1@0	21.41	-0.06	21.35	1.00	30.00	PASS
			BPSK	1@47	21.37	-0.06	21.31	1.00	30.00	PASS
			QPSK	1@0	21.41	-0.06	21.35	1.00	30.00	PASS
			QPSK	1@47	21.37	-0.06	21.31	1.00	30.00	PASS
	15	Lowest	BPSK	1@0	22.03	-0.06	21.97	1.00	30.00	PASS
			BPSK	1@11	22.03	-0.06	21.97	1.00	30.00	PASS
			QPSK	1@0	22.05	-0.06	21.99	1.00	30.00	PASS
			QPSK	1@11	22.02	-0.06	21.96	1.00	30.00	PASS
		Middle	QPSK	12@0	19.92	-0.06	19.86	1.00	30.00	PASS
			BPSK	1@0	21.77	-0.06	21.71	1.00	30.00	PASS
			BPSK	1@11	21.80	-0.06	21.74	1.00	30.00	PASS
			QPSK	1@0	21.82	-0.06	21.76	1.00	30.00	PASS
			QPSK	1@11	21.81	-0.06	21.75	1.00	30.00	PASS
		Highest	QPSK	12@0	19.75	-0.06	19.69	1.00	30.00	PASS
			BPSK	1@0	21.52	-0.06	21.46	1.00	30.00	PASS
			BPSK	1@11	21.53	-0.06	21.47	1.00	30.00	PASS
			QPSK	1@0	21.50	-0.06	21.44	1.00	30.00	PASS
			QPSK	1@11	21.50	-0.06	21.44	1.00	30.00	PASS
			QPSK	12@0	19.44	-0.06	19.38	1.00	30.00	PASS

11. EUT and Test Setup Photo

11.1 EUT Photo

Front side



Back side



Top Edge



Bottom Edge



Left Edge

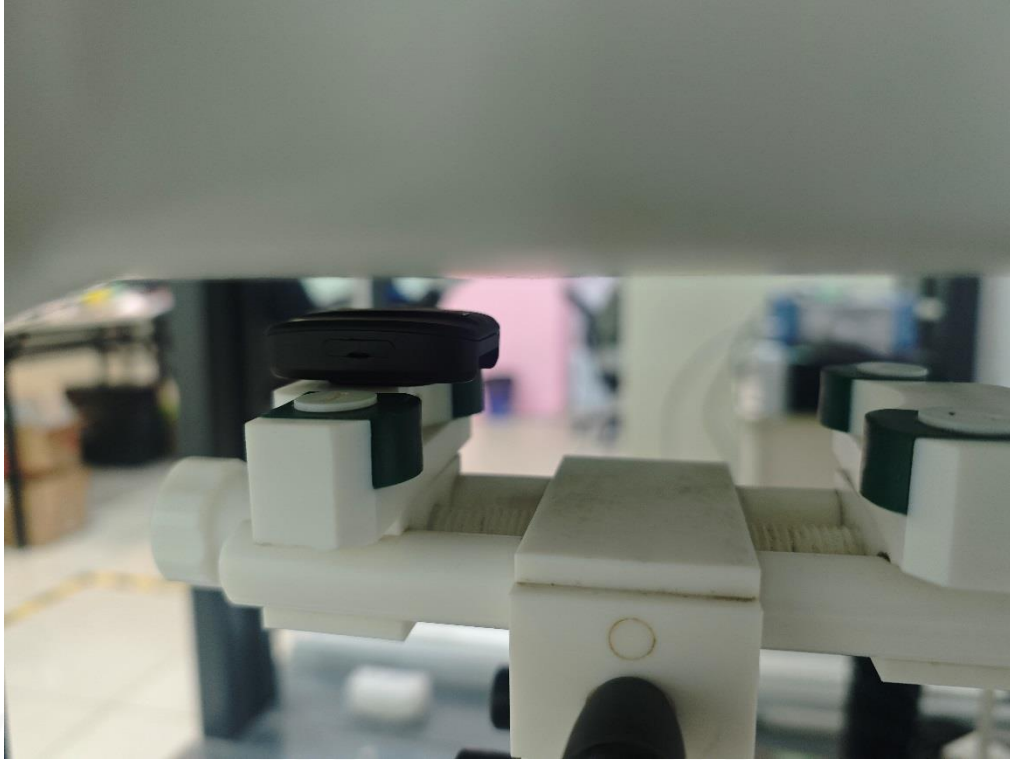


Right Edge

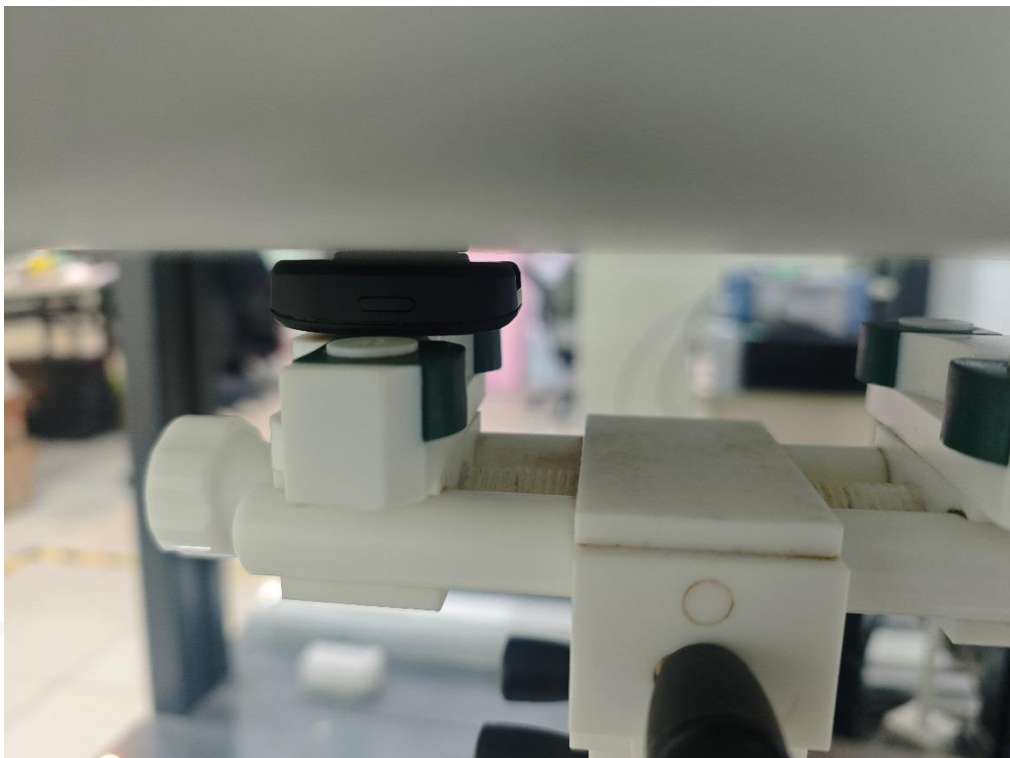


11.2 Setup Photo

Front of face(separation distance is 10mm)

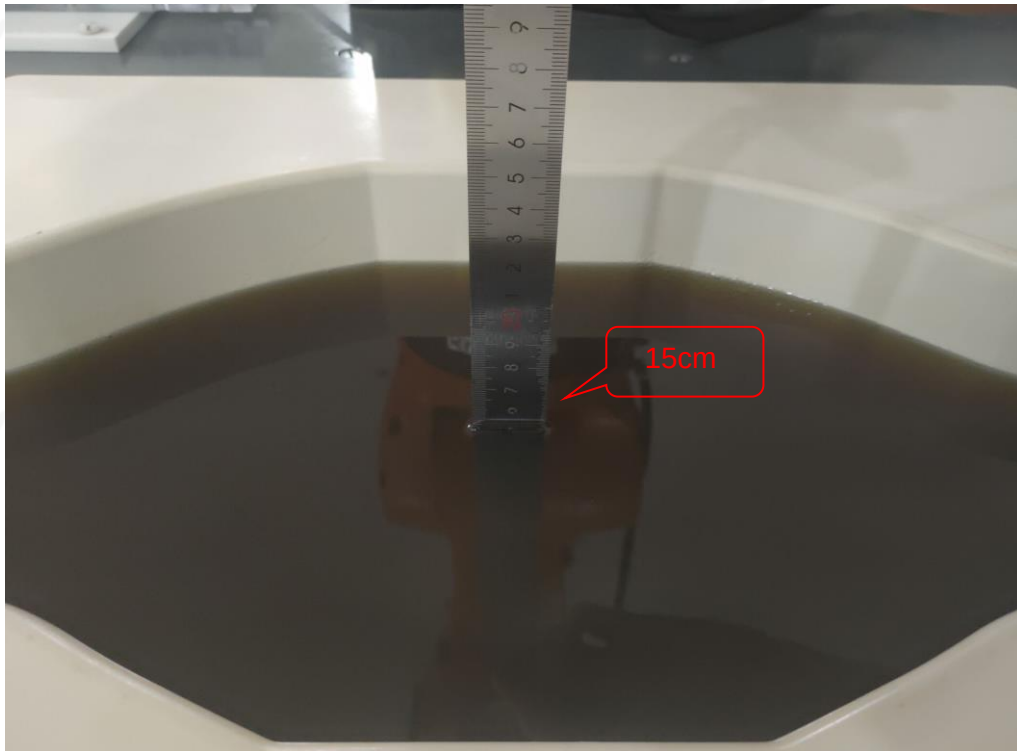


Wrist(separation distance is 0mm)





Liquid depth (15 cm)





12. SAR Result Summary

12.1 Front of face SAR

Band	Mod.	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift(%)	Max. Turn-up Power(dBm)	Meas. Output Power(dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas.No.
CAT-MLTE Band 2	QPSK	#Max	Front of face	1900	0.411	-0.87	22.00	21.80	1.047	0.430	1
CAT-MLTE Band 4	QPSK	#Max	Front of face	1745	0.123	-2.94	21.50	21.41	1.021	0.126	3
CAT-MLTE Band 25	QPSK	#Max	Front of face	1905	0.103	-2.34	21.00	20.93	1.016	0.105	5
CAT-MLTE Band 66	QPSK	#Max	Front of face	1770	0.258	3.67	21.00	20.71	1.069	0.276	7
NB-IoT LTE Band 2	QPSK	1@11	Front of face	1860.1	0.099	3.20	21.00	20.78	1.052	0.104	9
NB-IoT LTE Band 4	QPSK	1@11	Front of face	1720.1	0.083	1.86	22.50	22.04	1.112	0.092	11
NB-IoT LTE Band 25	QPSK	1@11	Front of face	1860.1	0.091	0.75	21.00	20.79	1.050	0.096	13
NB-IoT LTE Band 66	QPSK	1@1	Front of face	1720.1	0.096	-3.59	22.50	22.05	1.109	0.106	15

Note:

- The test separation of all above table is 10mm.
- Per KDB 447498 D04, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - Scaled SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor

12.2 Wrist SAR

Band	Mod.	RB offset	Test Position	Freq.	Result 10g (W/Kg)	Power Drift(%)	Max. Turn-up Power(dBm)	Meas. Output Power(dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas.No.
CAT-MLTE Band 2	QPSK	#0	Wrist	1860	0.311	-2.48	22.00	21.54	1.112	0.346	/
	QPSK	#0	Wrist	1880	0.305	2.30	22.00	21.63	1.089	0.332	/
	QPSK	#Max	Wrist	1900	0.345	1.39	22.00	21.80	1.047	0.361	2
CAT-MLTE Band 4	QPSK	#Max	Wrist	1745	0.238	-2.27	21.50	21.41	1.021	0.243	4
CAT-MLTE Band 25	QPSK	#Max	Wrist	1905	0.091	2.12	21.00	20.93	1.016	0.092	6
CAT-MLTE Band 66	QPSK	#Max	Wrist	1770	0.254	0.44	21.00	20.71	1.069	0.272	8
NB-IoT LTE Band 2	QPSK	1@11	Wrist	1860.1	0.275	3.73	21.00	20.78	1.052	0.289	10
NB-IoT LTE Band 4	QPSK	1@11	Wrist	1720.1	0.223	1.18	22.50	22.04	1.112	0.248	12
NB-IoT LTE Band 25	QPSK	1@11	Wrist	1860.1	0.231	-1.06	21.00	20.79	1.050	0.242	14
NB-IoT LTE Band 66	QPSK	1@1	Wrist	1720.1	0.213	0.23	22.50	22.05	1.109	0.236	16

Note:

- The test separation of all above table is 0mm.
- Per KDB 447498 D04, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - Scaled SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor



13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
1800MHz Dipole	MVG	SID1800	5023-DIP1G800-747	2023.12.20	2026.12.19
1900MHz Dipole	MVG	SID1900	SN 30/14 DIP1G900-333	2023.09.14	2026.09.13
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 (1800MHz)

Type: Phone measurement (Complete)

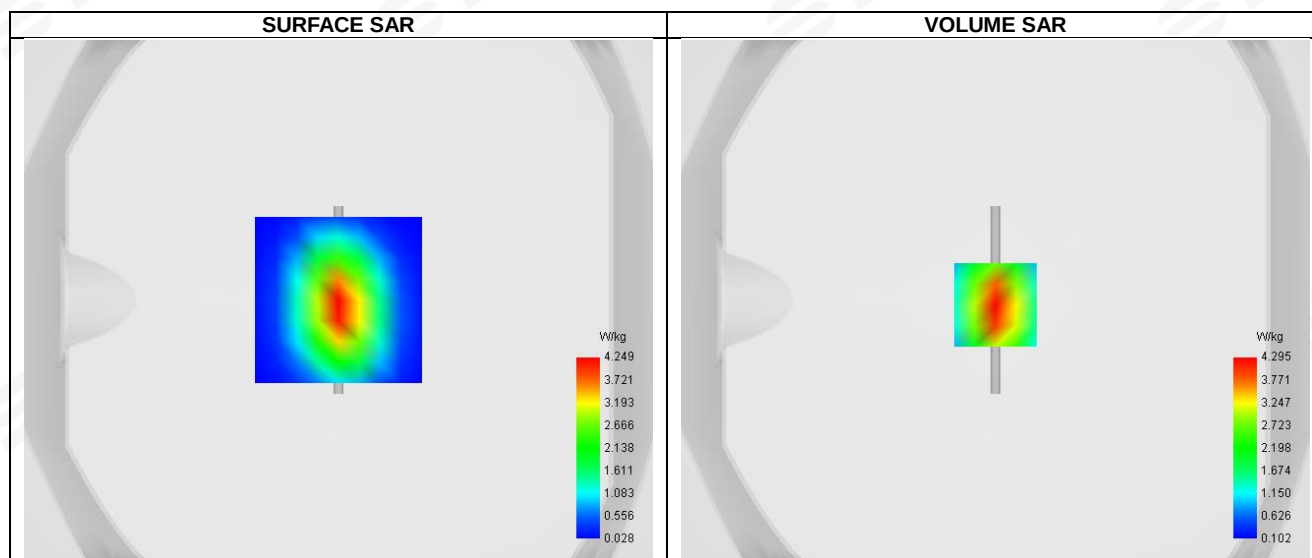
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2025-08-22

Experimental conditions.

Device Position	Validation plane
Band	1800 MHz
Channels	-
Signal	CW
Frequency (MHz)	1800
Relative permittivity	41.32
Conductivity (S/m)	1.39
Probe	SN 08/21 EPGO352
ConvF	1.58
Crest factor:	1:1

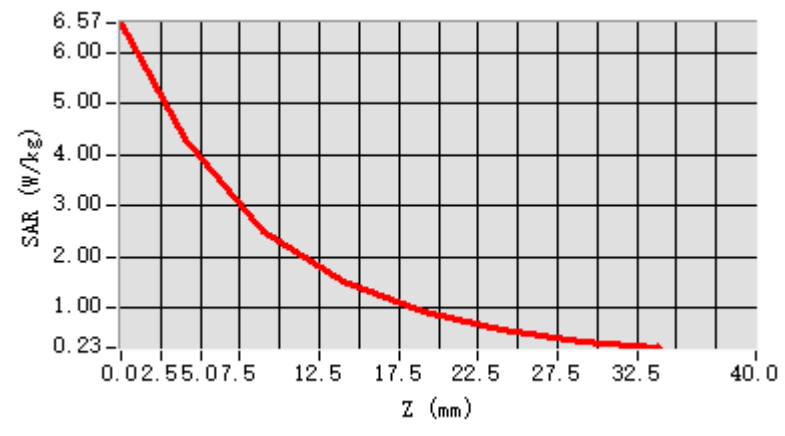


Maximum location: X=0.00, Y=-2.00 ; SAR Peak: 6.54 W/kg

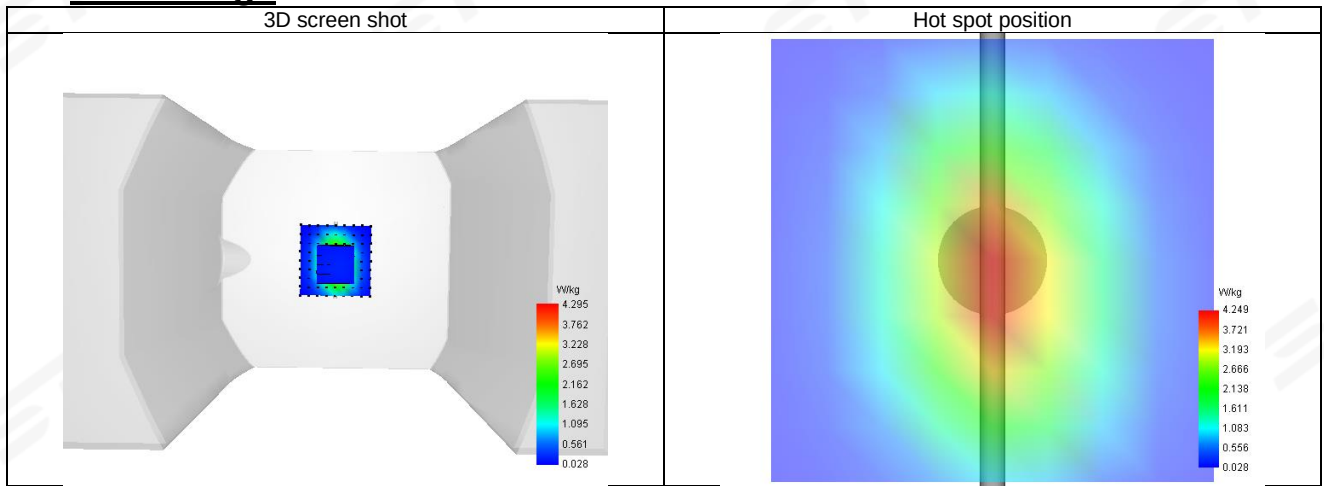
D. SAR 1g & 10g

SAR 10g (W/Kg)	1.888
SAR 1g (W/Kg)	3.767
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	58.154868

E. Z Axis Scan



F. 3D Image



**System Performance Check Data (1900MHz)**

Type: Phone measurement (Complete)

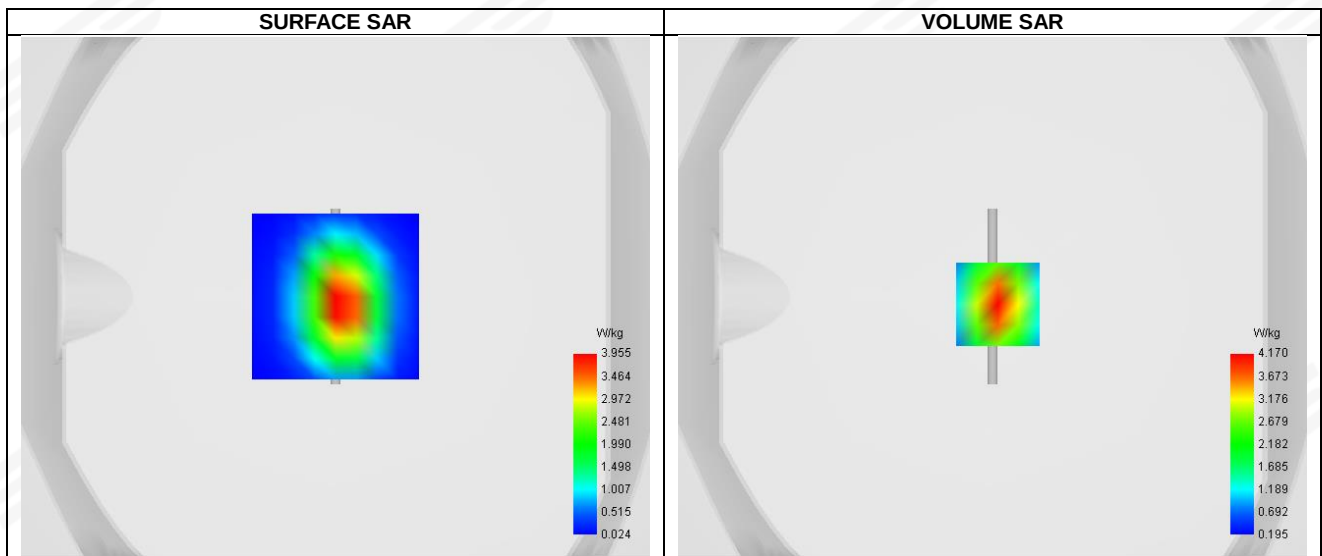
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2025-08-22

Experimental conditions.

Device Position	Validation plane
Band	1900 MHz
Channels	-
Signal	CW
Frequency (MHz)	1900
Relative permittivity	40.70
Conductivity (S/m)	1.38
Probe	SN 08/21 EPGO352
ConvF	1.72
Crest factor:	1:1

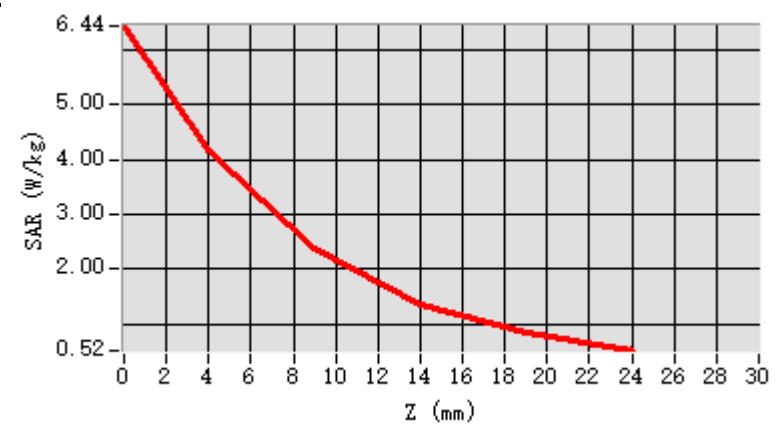


Maximum location: X=2.00, Y=-3.00 ; SAR Peak: 6.43 W/kg

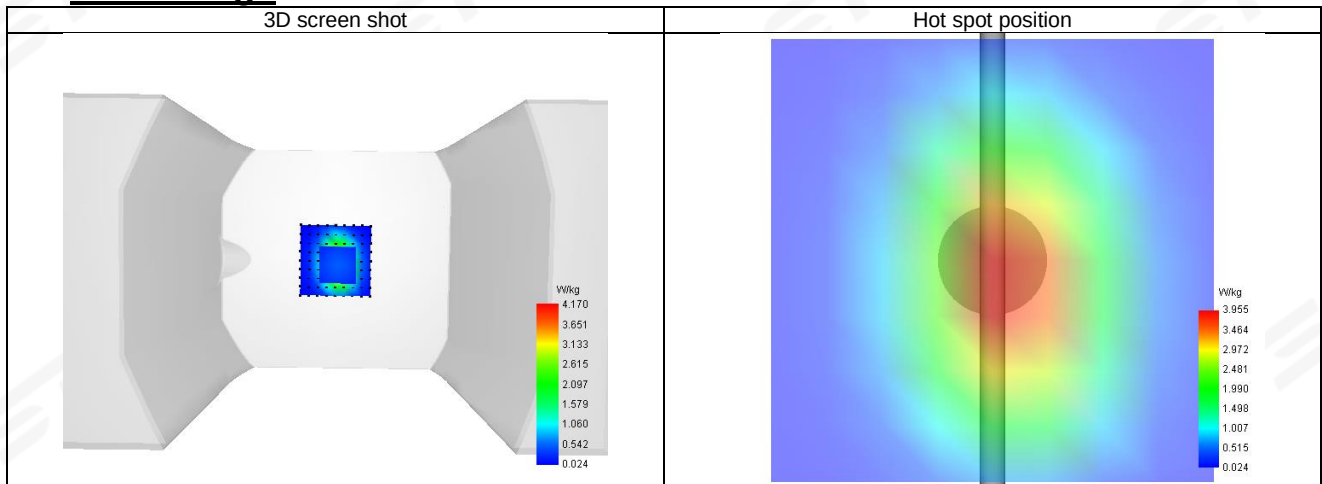
D. SAR 1g & 10g

SAR 10g (W/Kg)	1.892
SAR 1g (W/Kg)	3.796
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	59.365210

E. Z Axis Scan



F. 3D Image

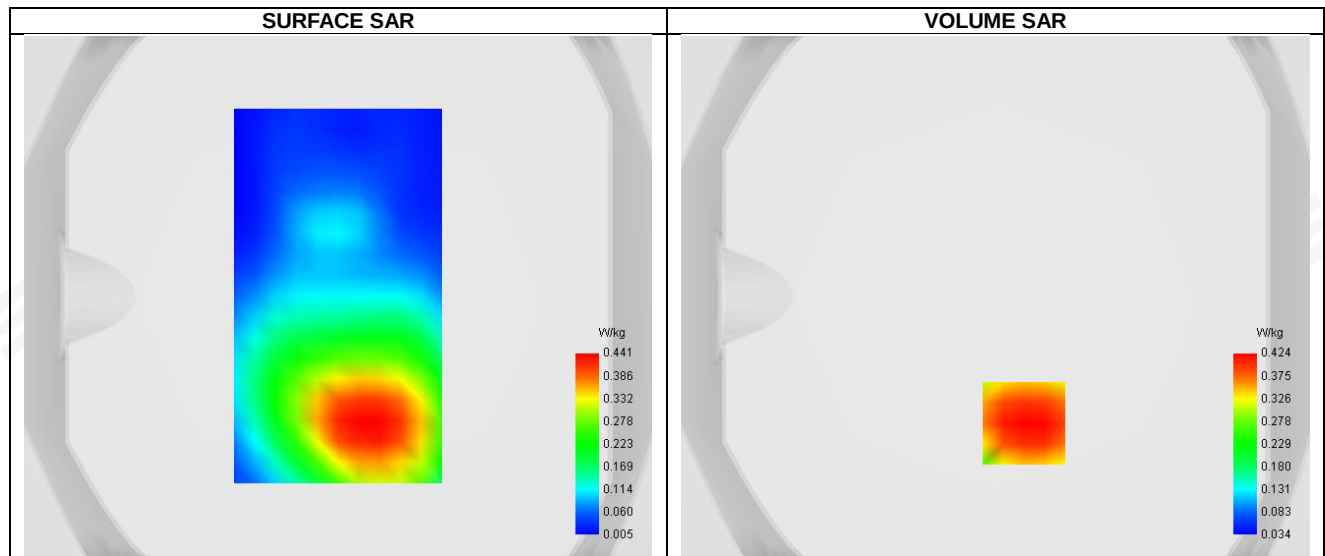




Appendix B. SAR Test Plots

Plot 1: DUT: Smart Health Bracelet; EUT Model: V6

Test Date	2025-08-22
ConvF	1.72
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Front of face
Band	LTE band 2
Signal	CAT-M LTE Band 2
Frequency (MHz)	1900
Relative permittivity (real part)	40.70
Conductivity (S/m)	1.38



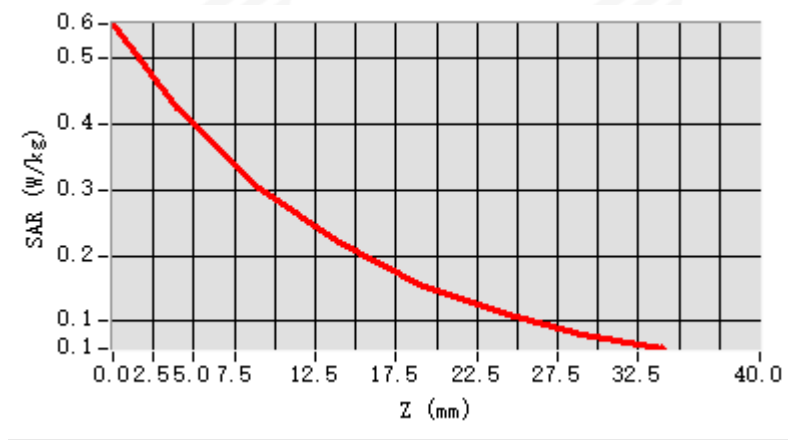
Maximum location: X=11.00, Y=-49.00 ; SAR Peak: 0.57 W/kg

D. SAR 1g & 10g

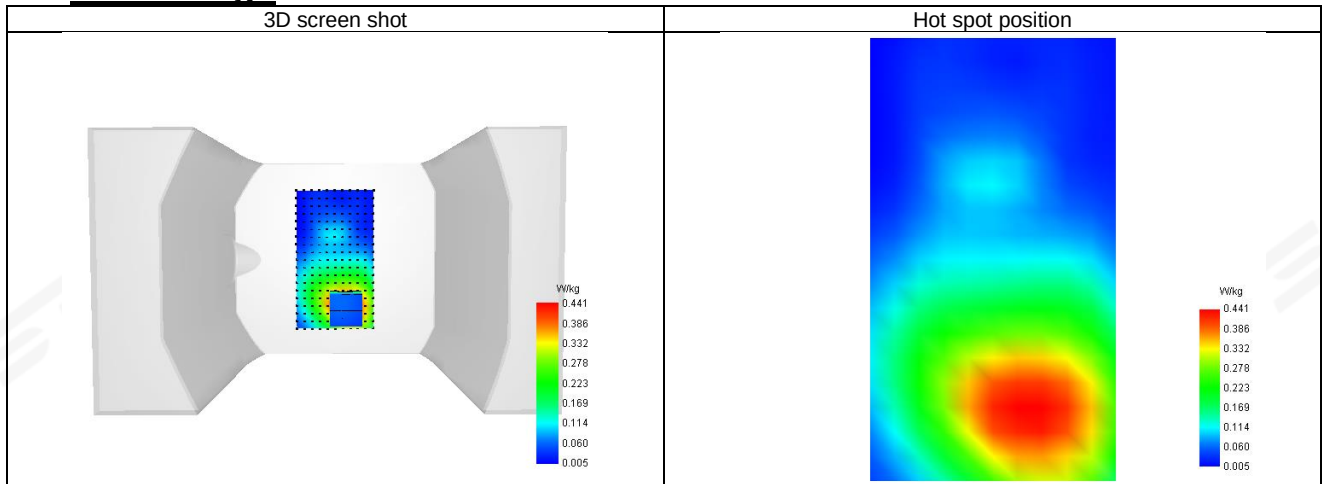
SAR 10g (W/Kg)	0.283
SAR 1g (W/Kg)	0.411
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	74.563321

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.553	0.424	0.303	0.219	0.157	0.113	0.081



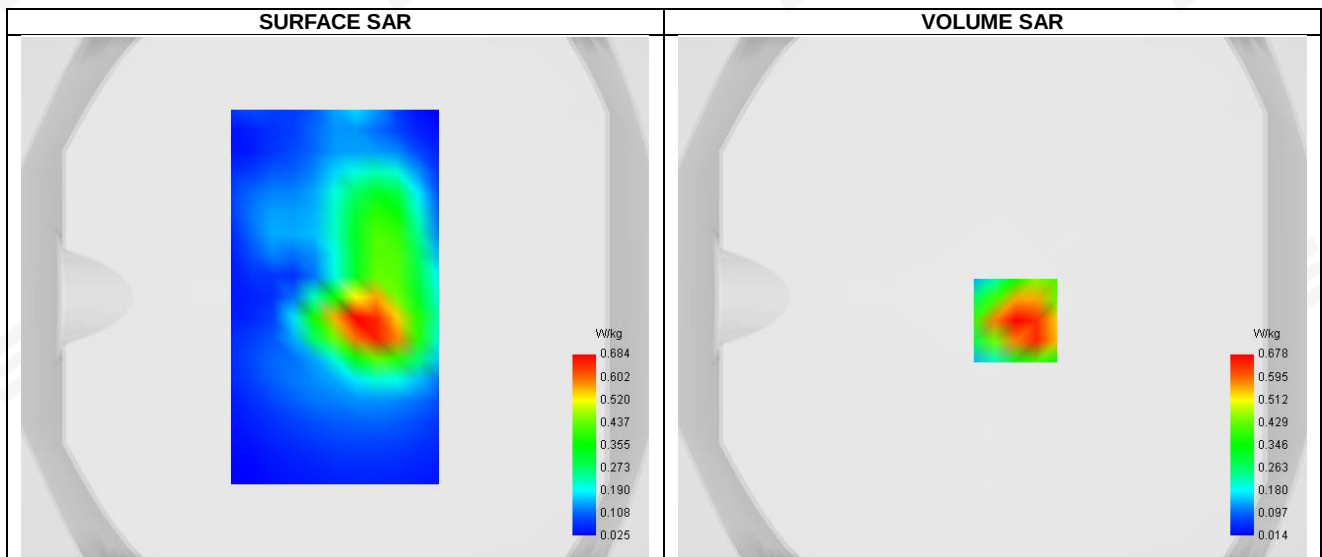
F. 3D Image





Plot 2: DUT: Smart Health Bracelet; EUT Model: V6

Test Date	2025-08-22
ConvF	1.72
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Limb
Device Position	Wrist
Band	LTE band 2
Signal	CAT-M LTE Band 2
Frequency (MHz)	1900
Relative permittivity (real part)	40.70
Conductivity (S/m)	1.38



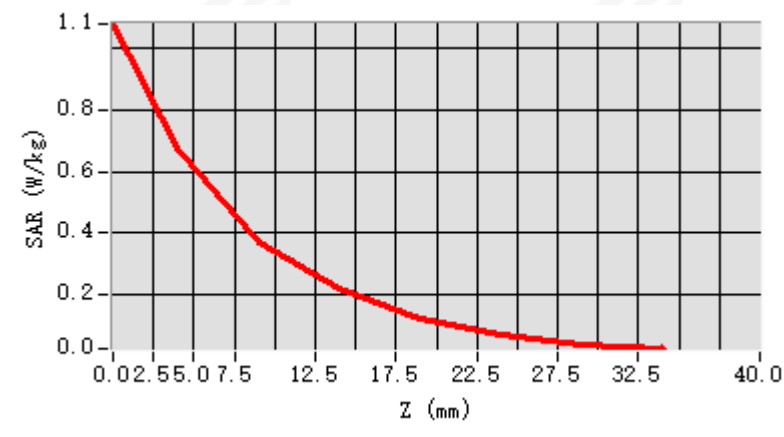
Maximum location: X=9.00, Y=-9.00 ; SAR Peak: 1.10 W/kg

D. SAR 1g & 10g

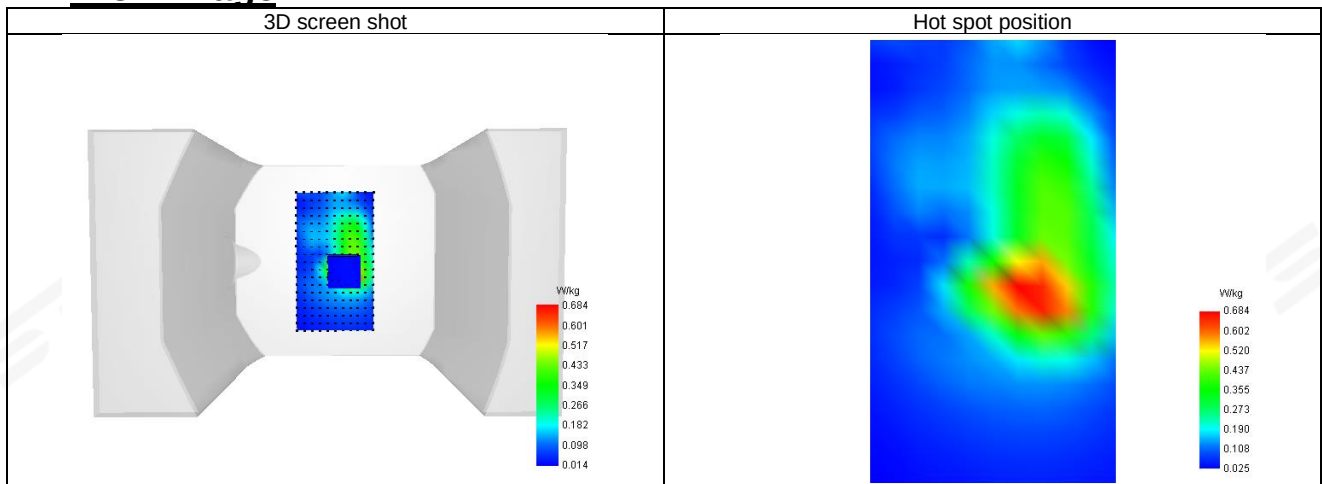
SAR 10g (W/Kg)	0.345
SAR 1g (W/Kg)	0.651
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	54.774759

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.078	0.678	0.371	0.219	0.125	0.071	0.041



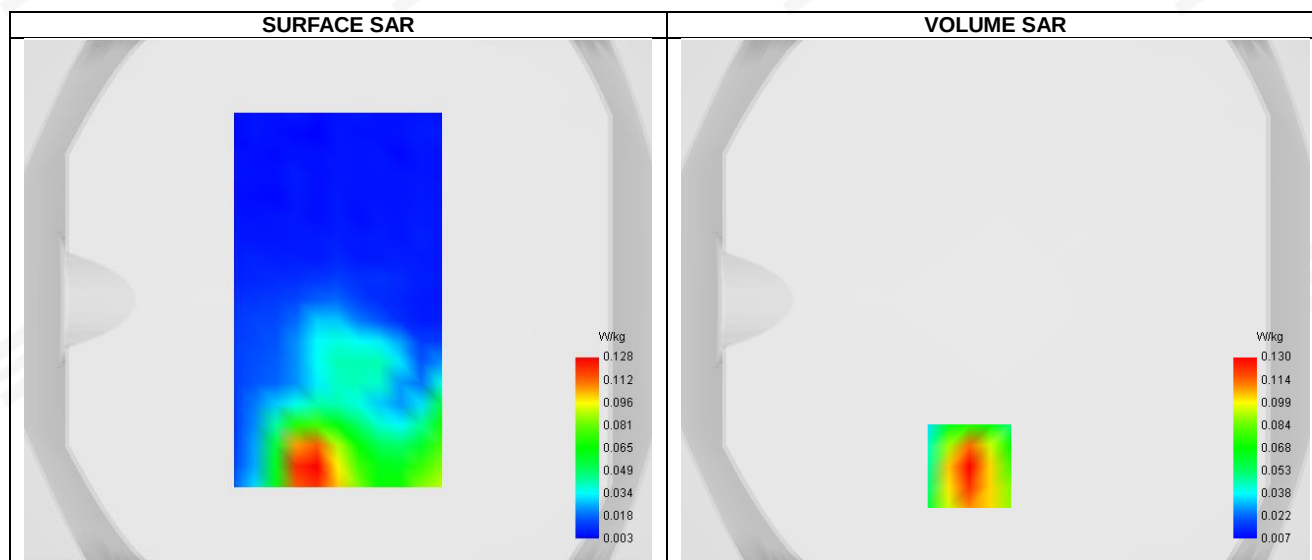
F. 3D Image





Plot 3: DUT: Smart Health Bracelet; EUT Model: V6

Test Date	2025-08-22
ConvF	1.58
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Front of face
Band	LTE band 4
Signal	CAT-M LTE Band 4
Frequency (MHz)	1745
Relative permittivity (real part)	40.37
Conductivity (S/m)	1.40



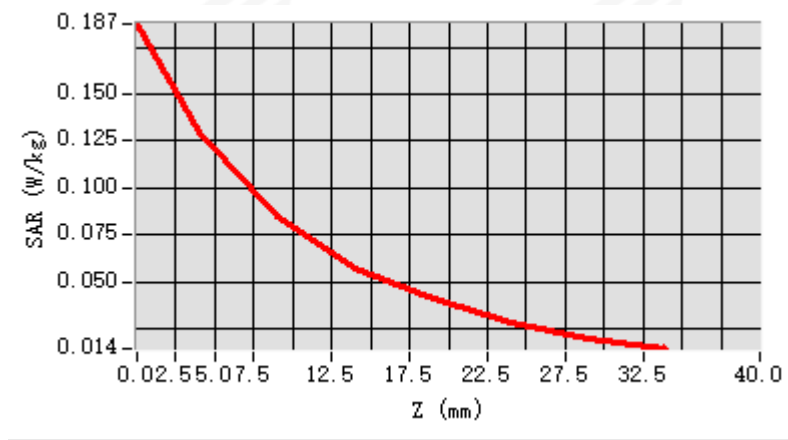
Maximum location: X=-10.00, Y=-64.00 ; SAR Peak: 0.19 W/kg

D. SAR 1g & 10g

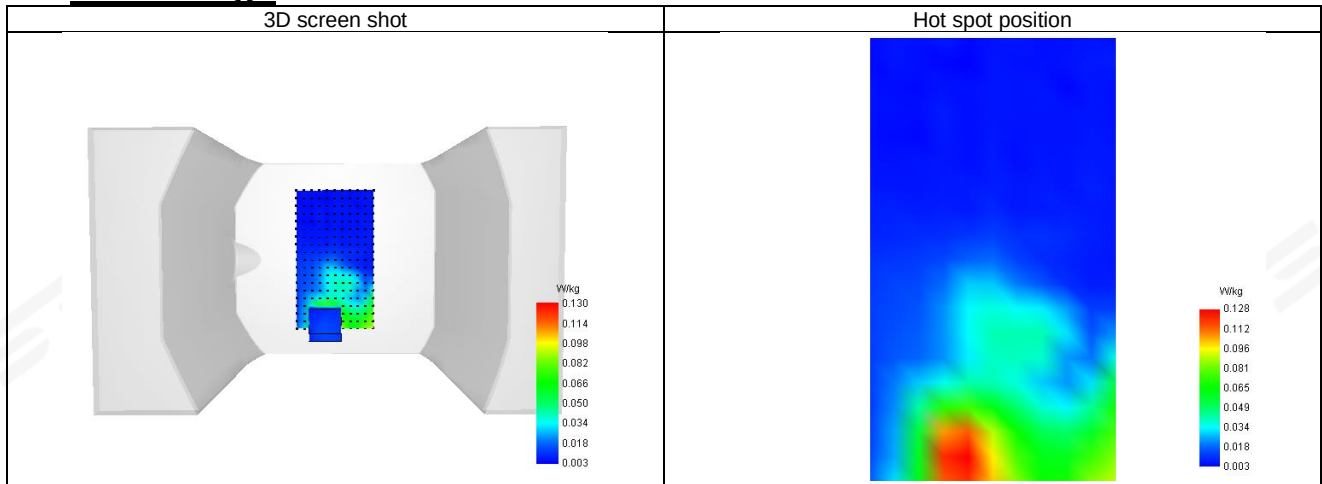
SAR 10g (W/Kg)	0.073
SAR 1g (W/Kg)	0.123
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	65.104767

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.187	0.130	0.084	0.057	0.041	0.028	0.019



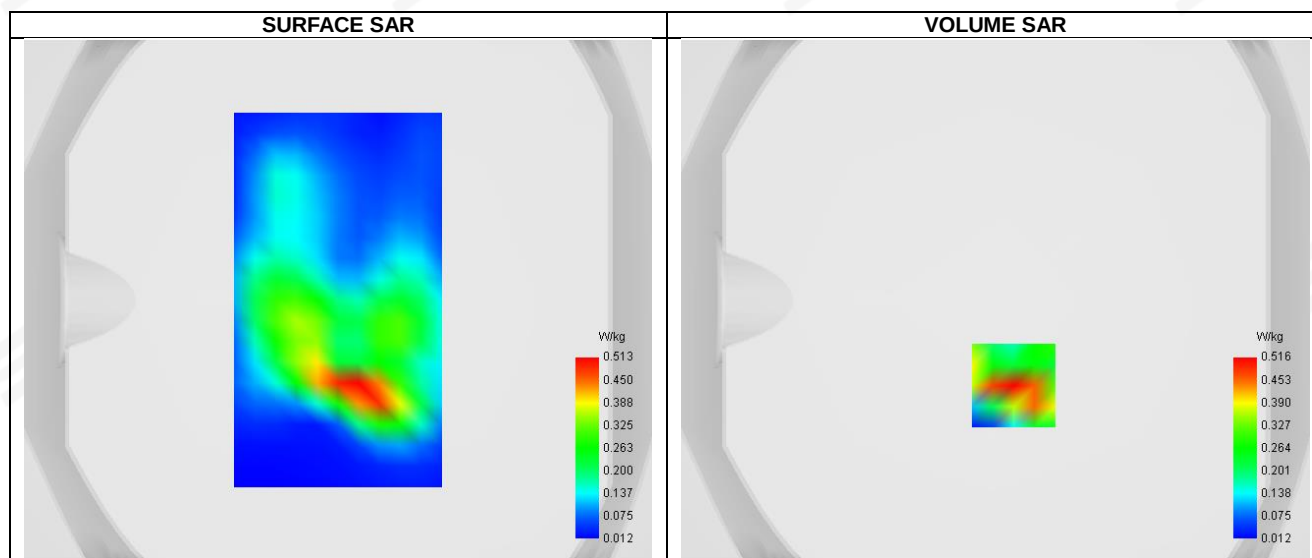
F. 3D Image





Plot 4: DUT: Smart Health Bracelet; EUT Model: V6

Test Date	2025-08-22
ConvF	1.58
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Limb
Device Position	Wrist
Band	LTE band 4
Signal	CAT-M LTE Band 4
Frequency (MHz)	1745
Relative permittivity (real part)	40.37
Conductivity (S/m)	1.40



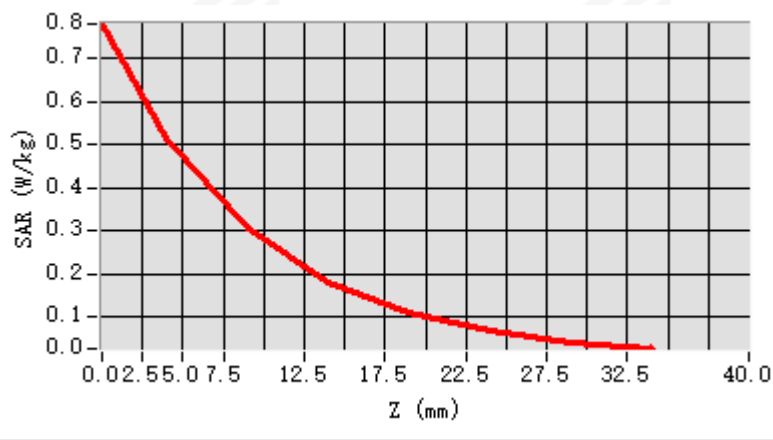
Maximum location: X=7.00, Y=-33.00 ; SAR Peak: 0.80 W/kg

D. SAR 1g & 10g

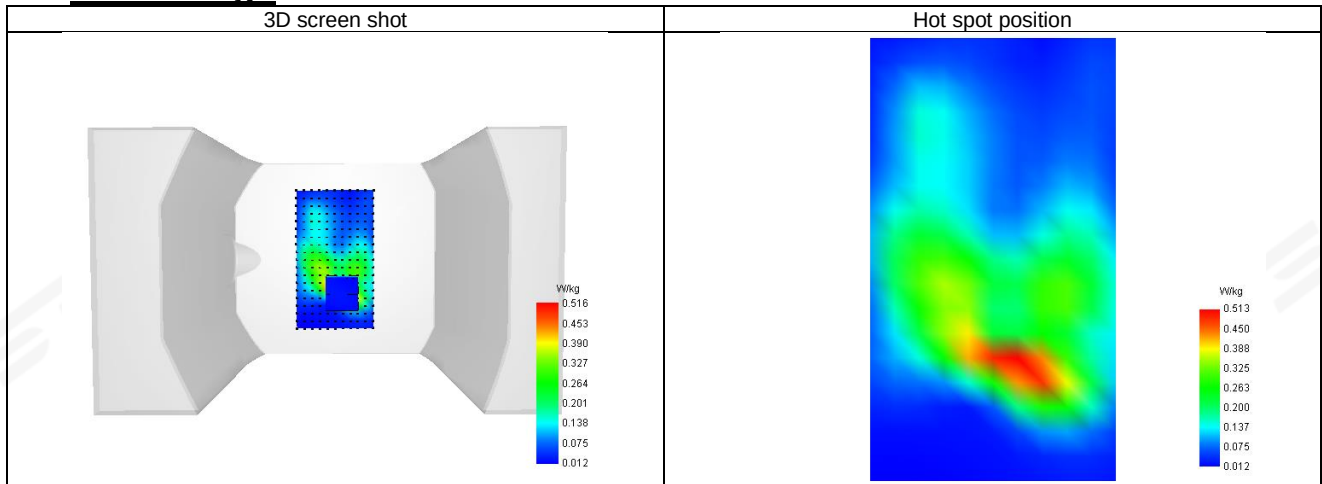
SAR 10g (W/Kg)	0.238
SAR 1g (W/Kg)	0.476
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	59.134400

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.781	0.516	0.305	0.179	0.111	0.067	0.040



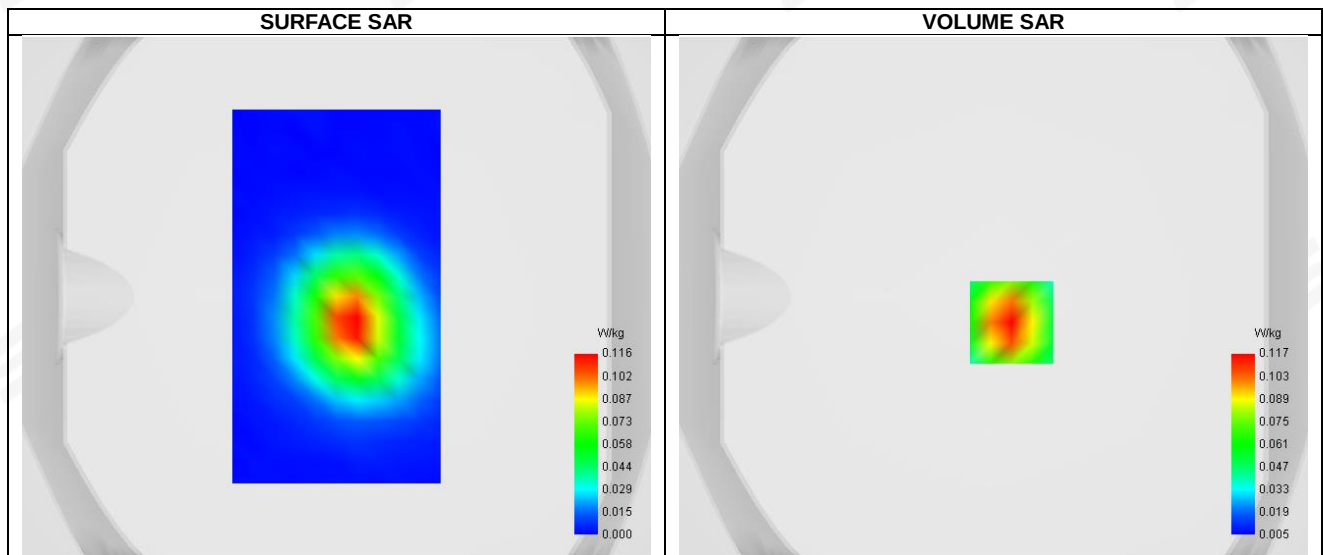
F. 3D Image





Plot 5: DUT: Smart Health Bracelet; EUT Model: V6

Test Date	2025-08-22
ConvF	1.72
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Front of face
Band	LTE band 25
Signal	CAT-M LTE Band 25
Frequency (MHz)	1905
Relative permittivity (real part)	40.20
Conductivity (S/m)	1.39



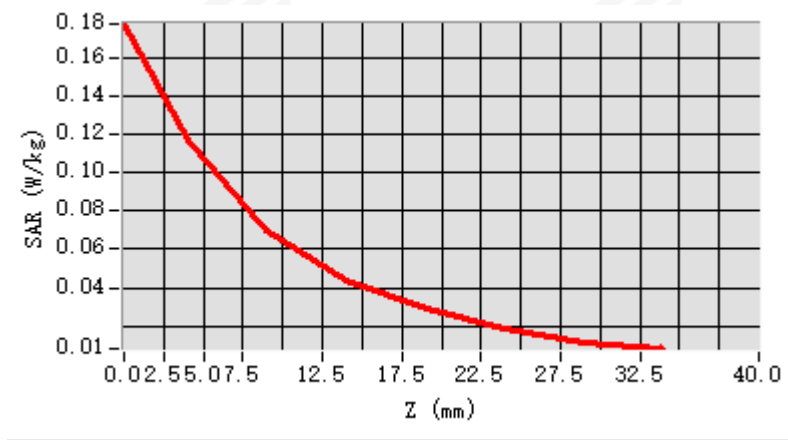
Maximum location: X=7.00, Y=-10.00 ; SAR Peak: 0.18 W/kg

D. SAR 1g & 10g

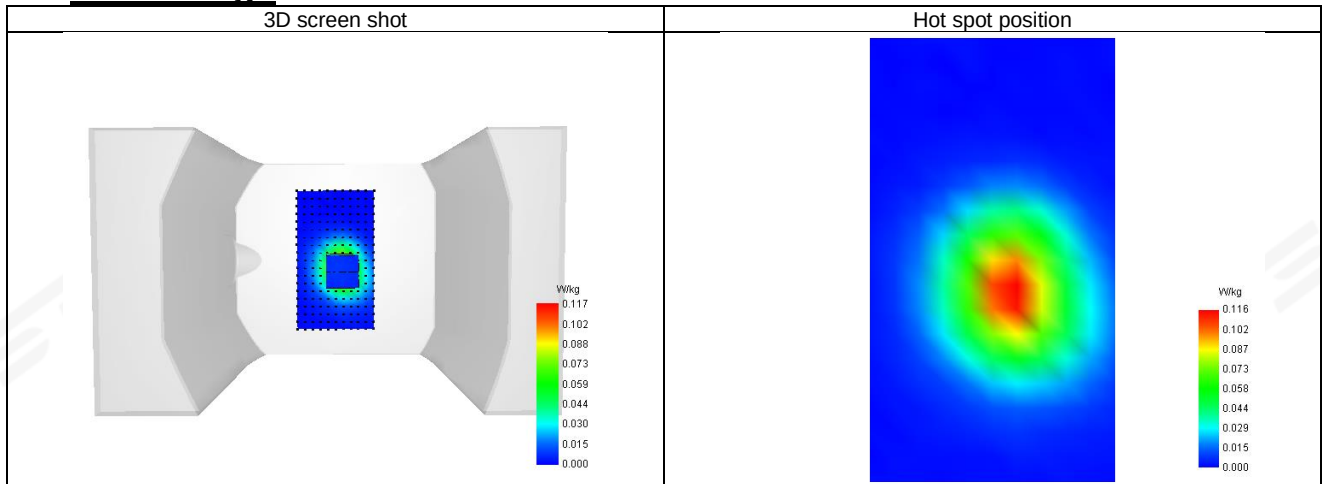
SAR 10g (W/Kg)	0.058
SAR 1g (W/Kg)	0.103
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	60.049893

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.178	0.117	0.070	0.043	0.029	0.018	0.012



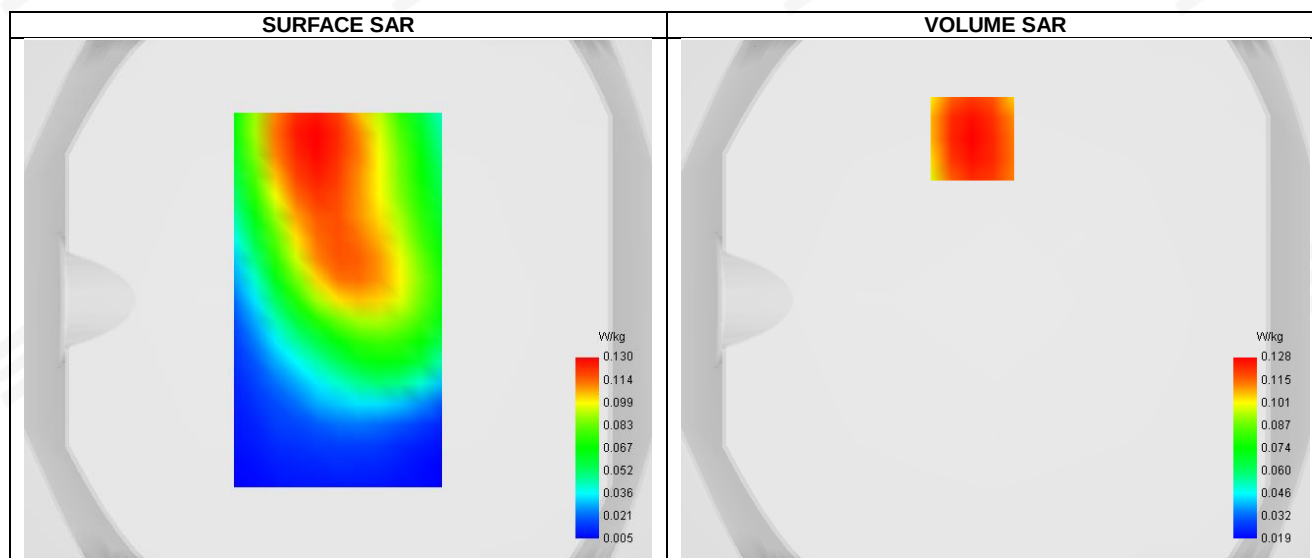
F. 3D Image





Plot 6: DUT: Smart Health Bracelet; EUT Model: V6

Test Date	2025-08-22
ConvF	1.72
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Limb
Device Position	Wrist
Band	LTE band 25
Signal	CAT-M LTE Band 25
Frequency (MHz)	1905
Relative permittivity (real part)	40.20
Conductivity (S/m)	1.39

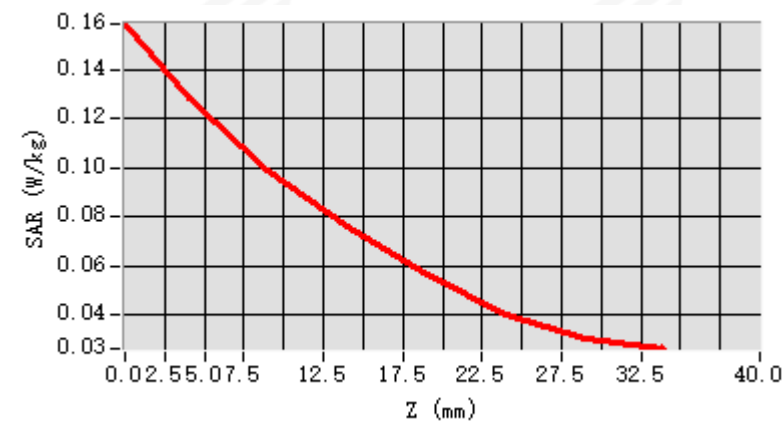


D. SAR 1g & 10g

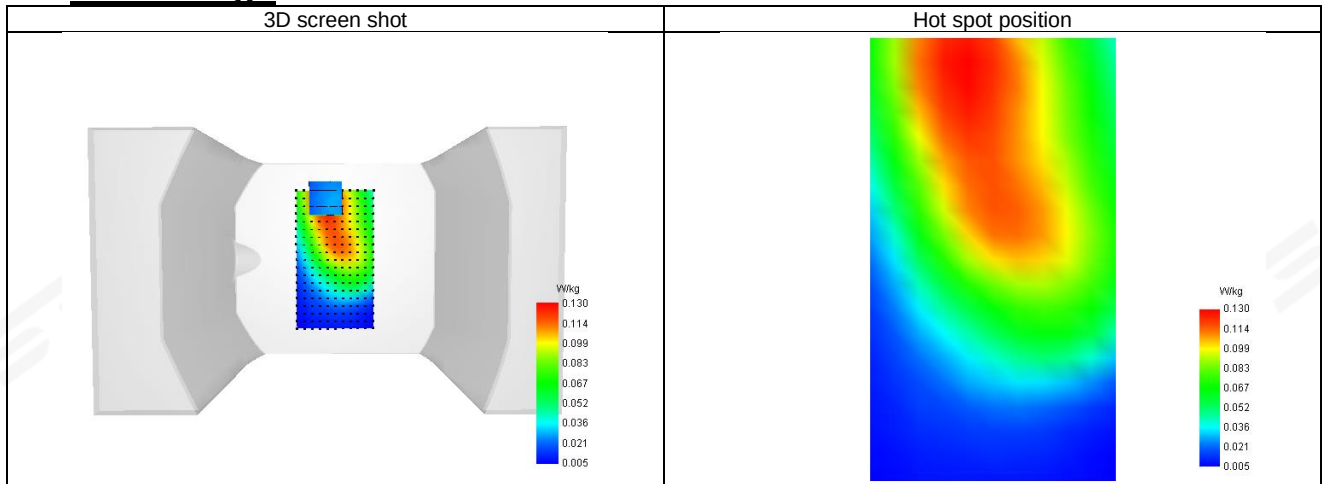
SAR 10g (W/Kg)	0.091
SAR 1g (W/Kg)	0.126
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	74.563329

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.159	0.128	0.099	0.076	0.057	0.041	0.030



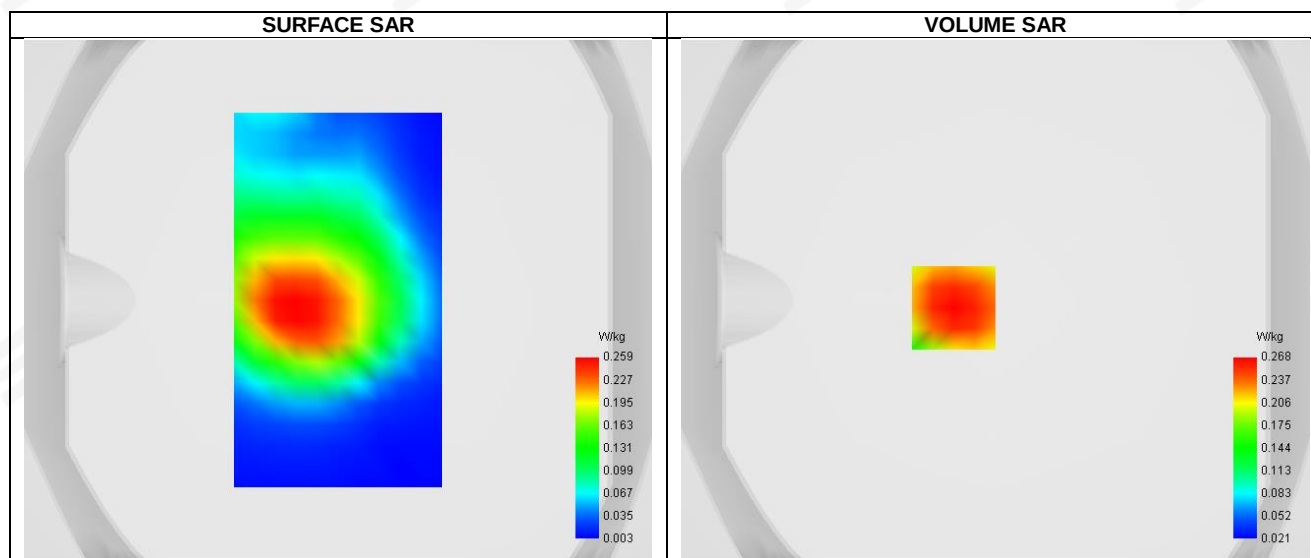
F. 3D Image





Plot 7: DUT: Smart Health Bracelet; EUT Model: V6

Test Date	2025-08-22
ConvF	1.58
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Front of face
Band	LTE band 66
Signal	CAT-M LTE Band 66
Frequency (MHz)	1770
Relative permittivity (real part)	40.47
Conductivity (S/m)	1.38



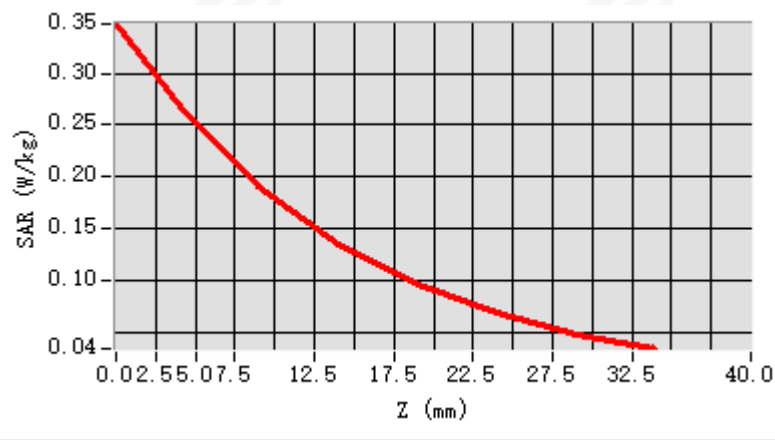
Maximum location: X=-16.00, Y=-3.00 ; SAR Peak: 0.35 W/kg

D. SAR 1g & 10g

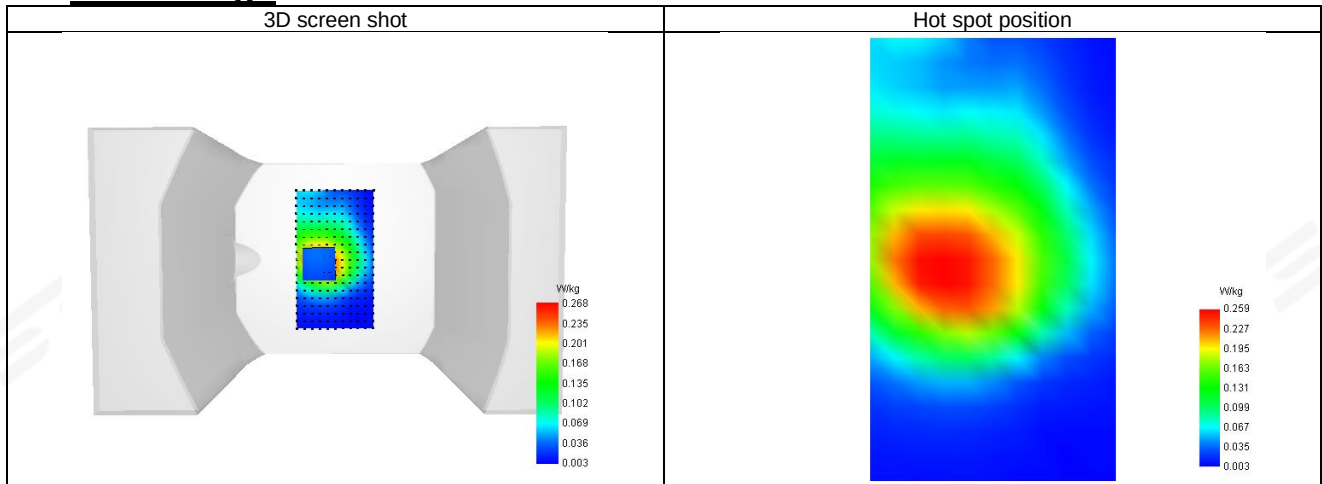
SAR 10g (W/Kg)	0.176
SAR 1g (W/Kg)	0.258
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	71.426661

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.347	0.268	0.192	0.136	0.097	0.069	0.049



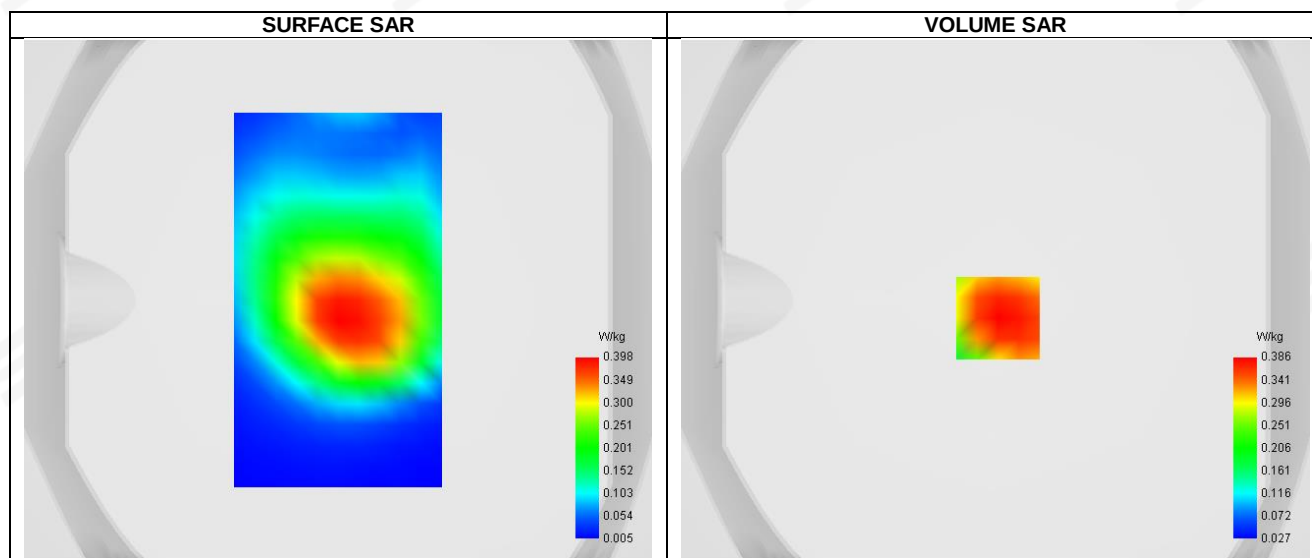
F. 3D Image





Plot 8: DUT: Smart Health Bracelet; EUT Model: V6

Test Date	2025-08-22
ConvF	1.58
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Limb
Device Position	Wrist
Band	LTE band 66
Signal	CAT-M LTE Band 66
Frequency (MHz)	1770
Relative permittivity (real part)	40.47
Conductivity (S/m)	1.38



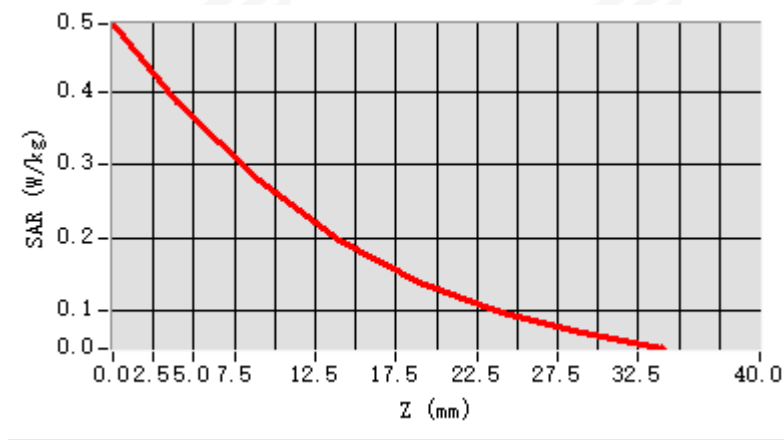
Maximum location: X=1.00, Y=-7.00 ; SAR Peak: 0.50 W/kg

D. SAR 1g & 10g

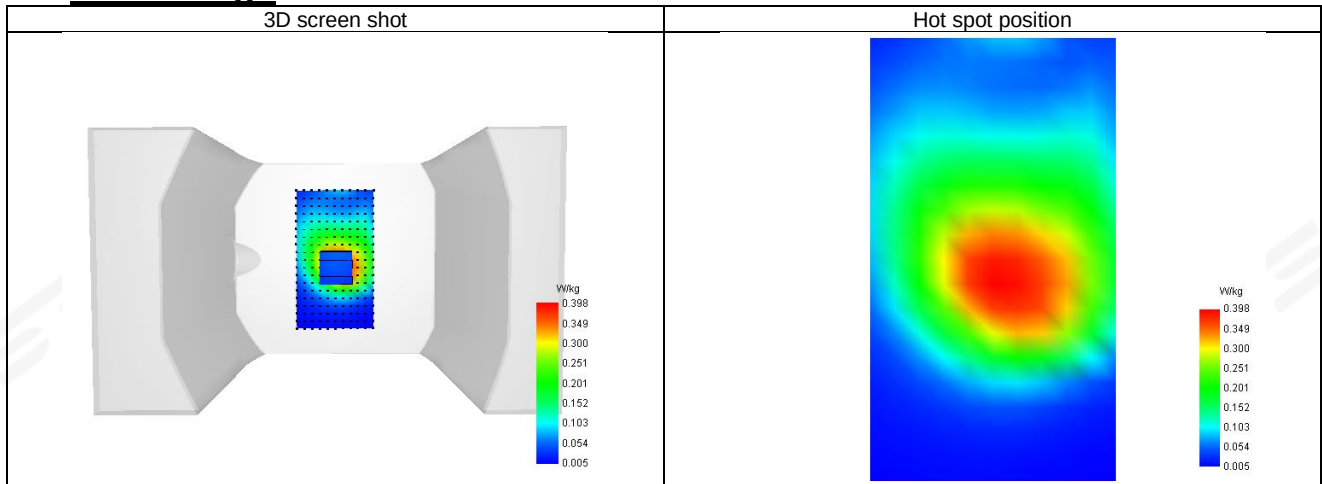
SAR 10g (W/Kg)	0.254
SAR 1g (W/Kg)	0.370
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	72.113990

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.493	0.386	0.278	0.197	0.138	0.098	0.069



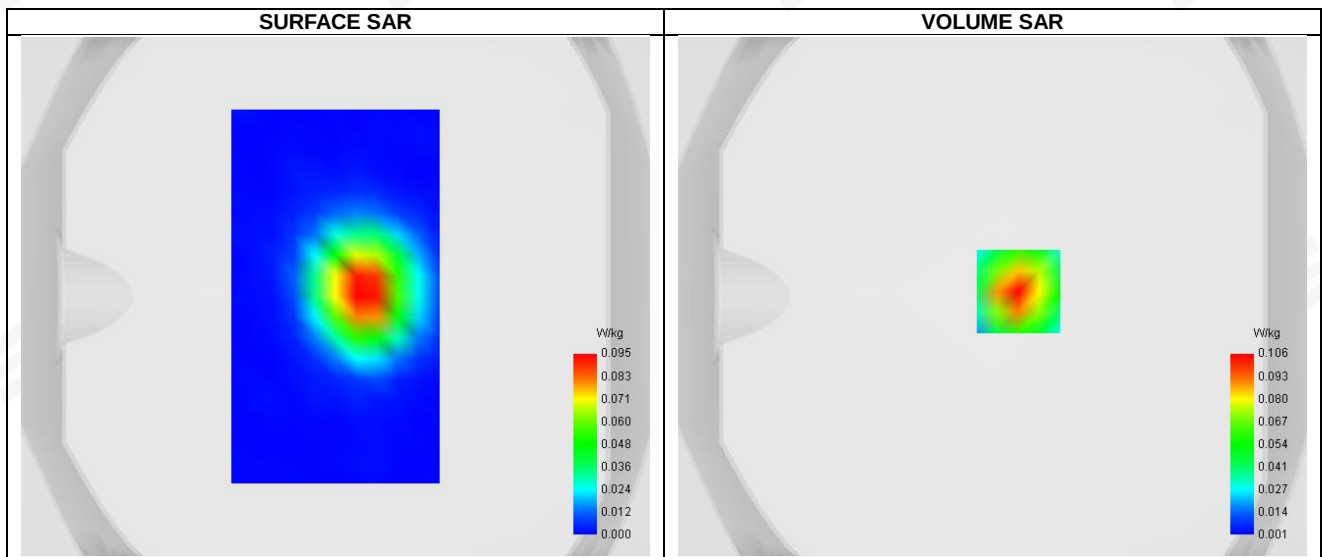
F. 3D Image





Plot 9: DUT: Smart Health Bracelet; EUT Model: V6

Test Date	2025-08-22
ConvF	1.72
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Front of face
Band	LTE band 2
Signal	NB-IoT LTE Band 2
Frequency (MHz)	1860.1
Relative permittivity (real part)	40.66
Conductivity (S/m)	1.39



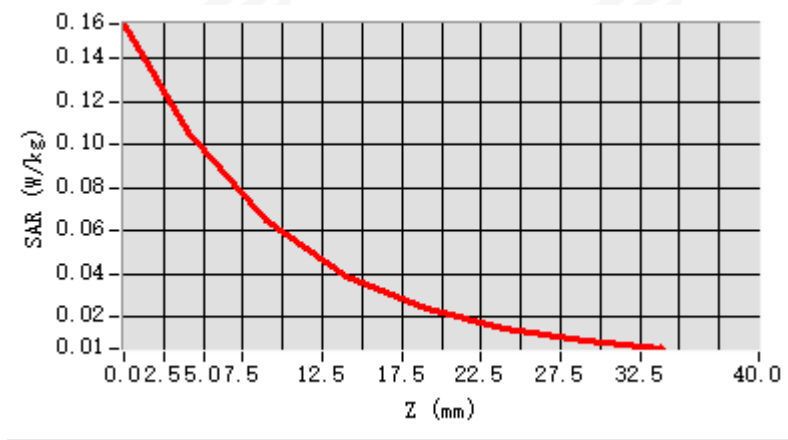
Maximum location: X=10.00, Y=2.00 ; SAR Peak: 0.16 W/kg

D. SAR 1g & 10g

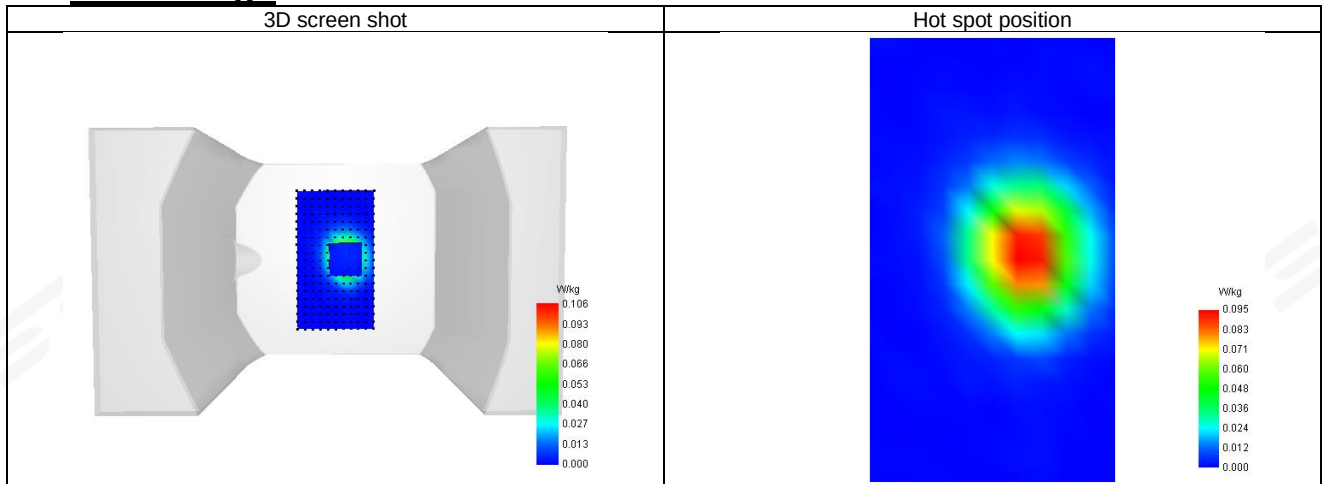
SAR 10g (W/Kg)	0.053
SAR 1g (W/Kg)	0.099
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	60.961014

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.156	0.106	0.065	0.039	0.024	0.015	0.009



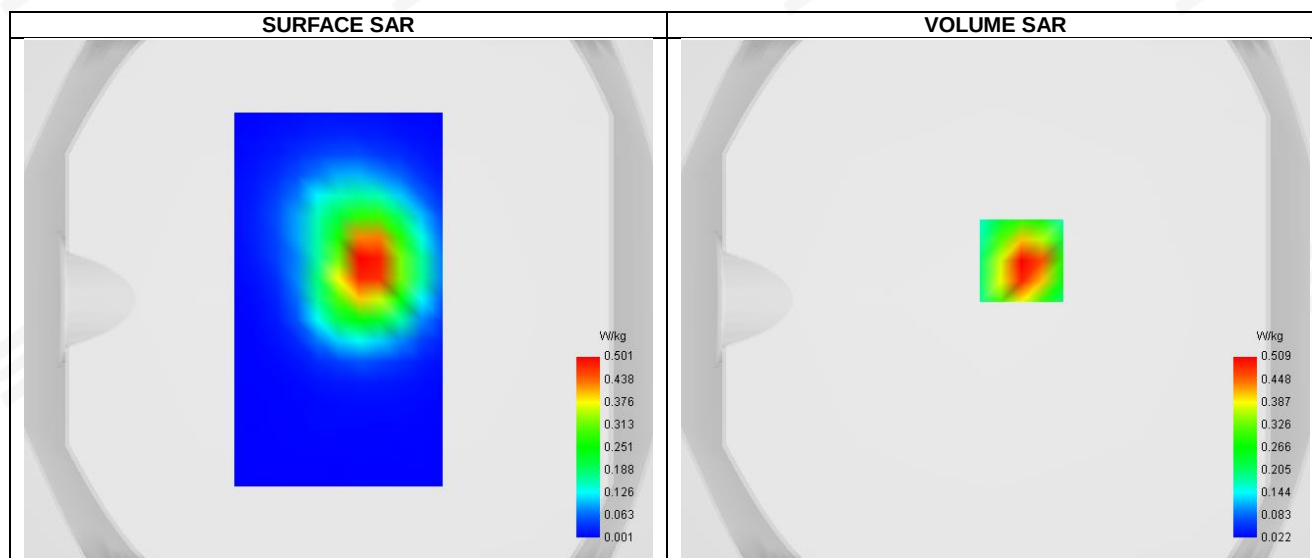
F. 3D Image





Plot 10: DUT: Smart Health Bracelet; EUT Model: V6

Test Date	2025-08-22
ConvF	1.72
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Limb
Device Position	Wrist
Band	LTE band 2
Signal	NB-IoT LTE Band 2
Frequency (MHz)	1860.1
Relative permittivity (real part)	40.66
Conductivity (S/m)	1.39



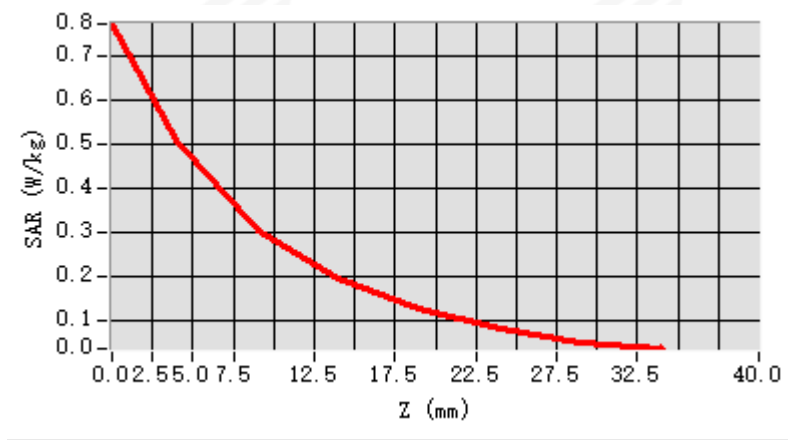
Maximum location: X=10.00, Y=15.00 ; SAR Peak: 0.79 W/kg

D. SAR 1g & 10g

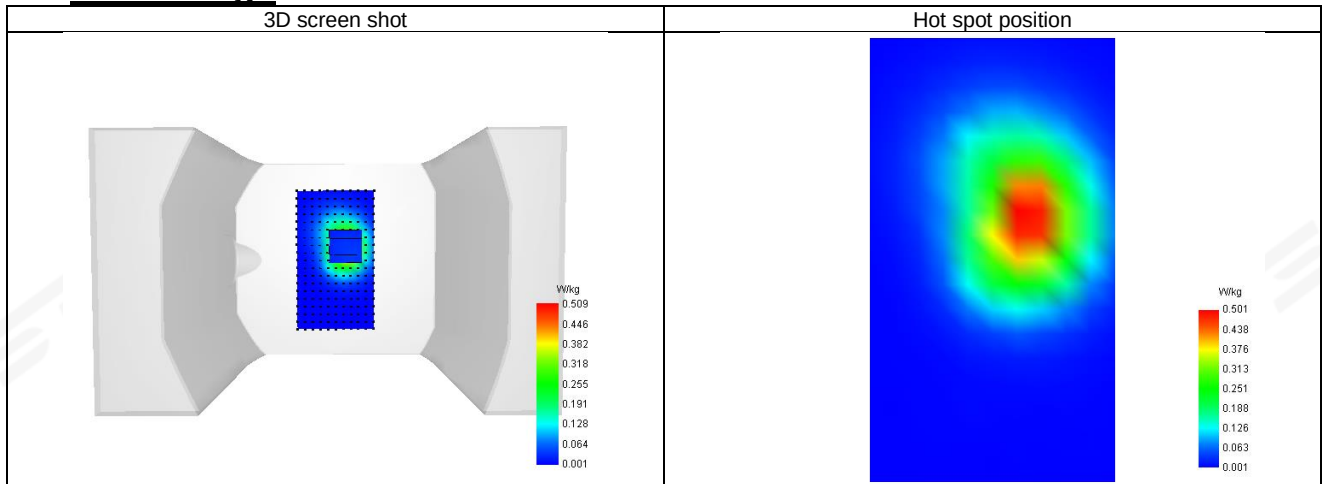
SAR 10g (W/Kg)	0.275
SAR 1g (W/Kg)	0.493
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	60.036083

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.773	0.509	0.306	0.195	0.128	0.082	0.052



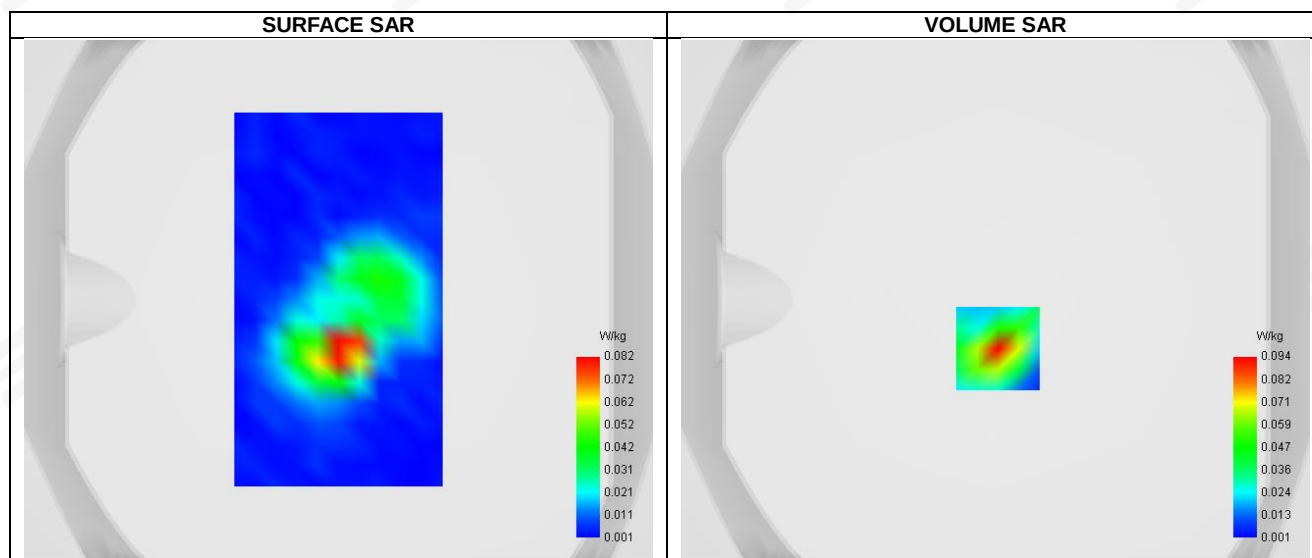
F. 3D Image





Plot 11 DUT: Smart Health Bracelet; EUT Model: V6

Test Date	2025-08-22
ConvF	1.58
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Front of face
Band	LTE band 4
Signal	NB-IoT LTE Band 4
Frequency (MHz)	1720.1
Relative permittivity (real part)	41.47
Conductivity (S/m)	1.37



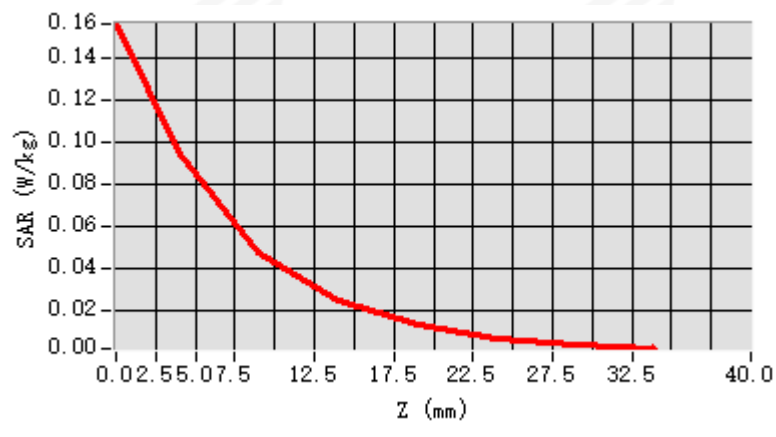
Maximum location: X=1.00, Y=-19.00 ; SAR Peak: 0.15 W/kg

D. SAR 1g & 10g

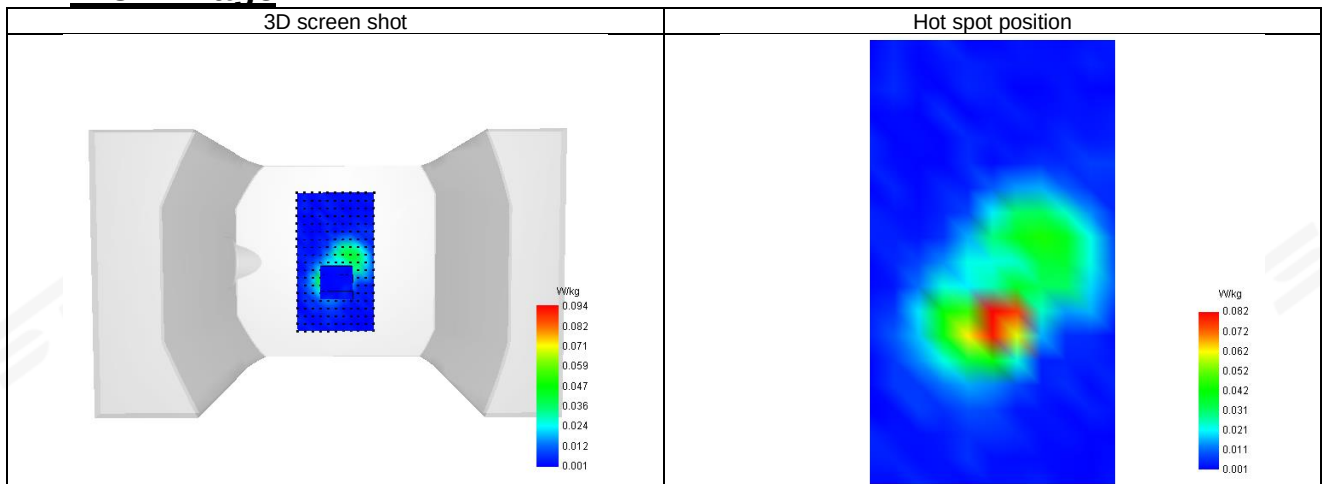
SAR 10g (W/Kg)	0.036
SAR 1g (W/Kg)	0.083
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	50.771433

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.156	0.094	0.048	0.025	0.013	0.007	0.004



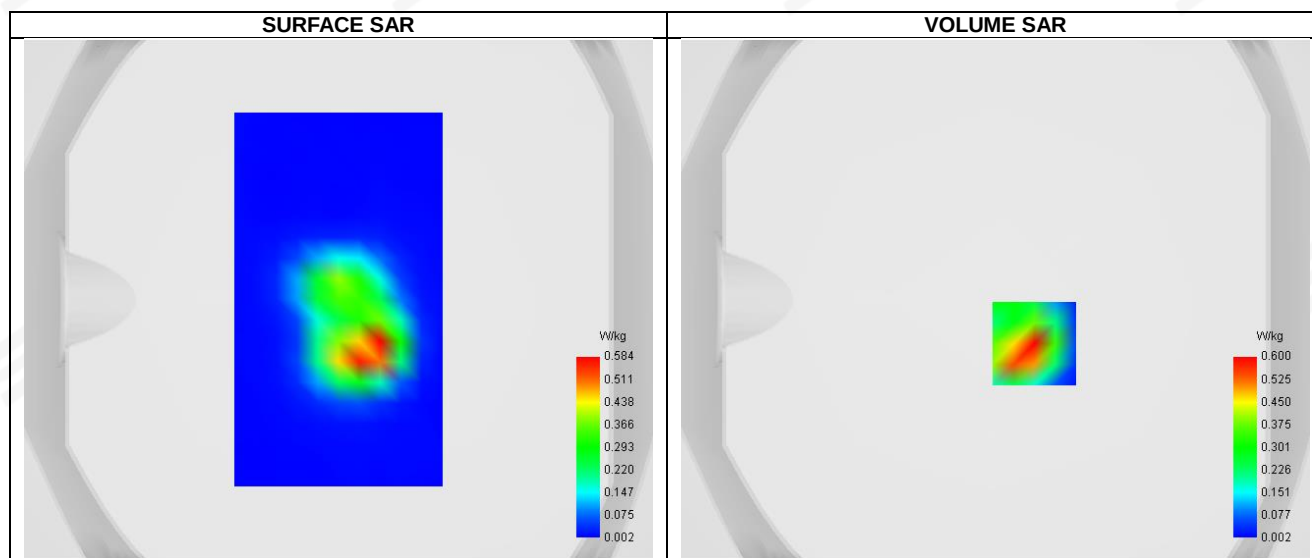
F. 3D Image





Plot 12: DUT: Smart Health Bracelet; EUT Model: V6

Test Date	2025-08-22
ConvF	1.58
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Limb
Device Position	Wrist
Band	LTE band 4
Signal	NB-IoT LTE Band 4
Frequency (MHz)	1720.1
Relative permittivity (real part)	41.47
Conductivity (S/m)	1.37



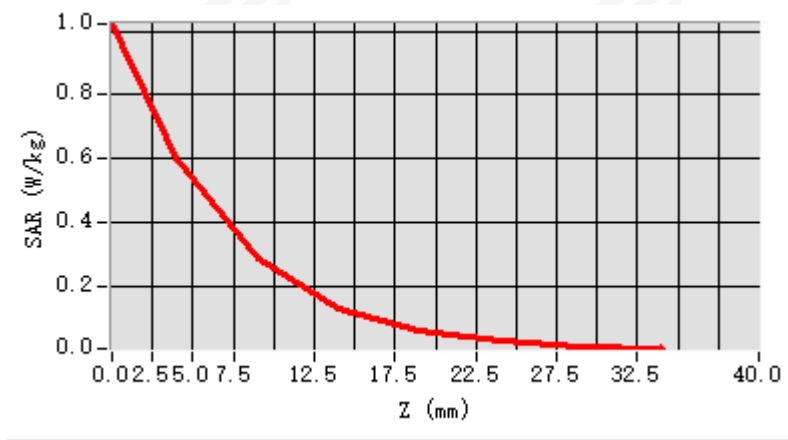
Maximum location: X=15.00, Y=-17.00 ; SAR Peak: 1.65 W/kg

D. SAR 1g & 10g

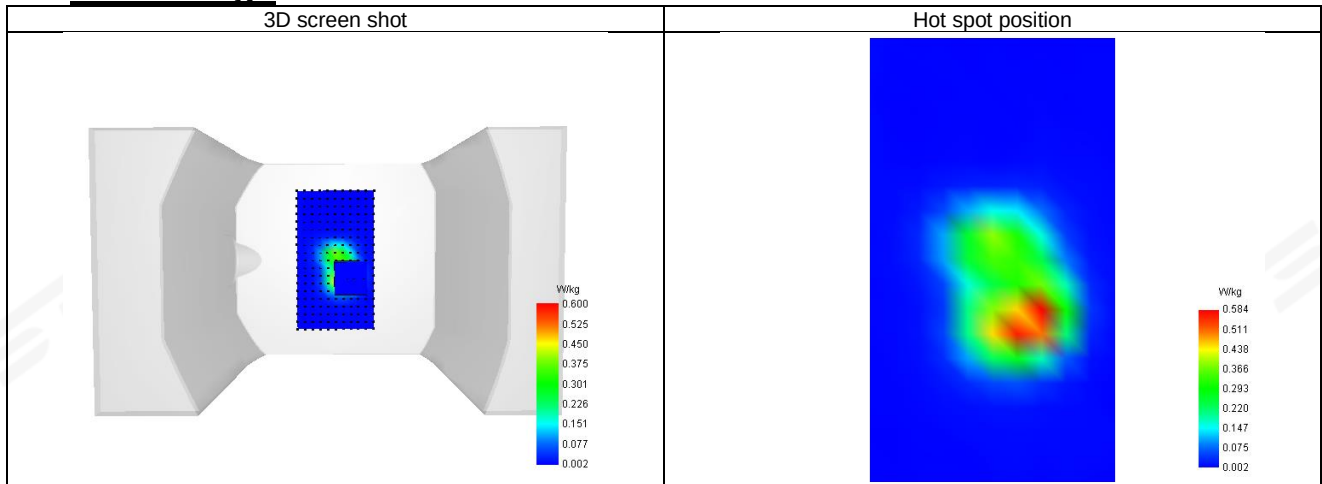
SAR 10g (W/Kg)	0.223
SAR 1g (W/Kg)	0.647
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	47.654675

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.023	0.600	0.286	0.128	0.059	0.027	0.013



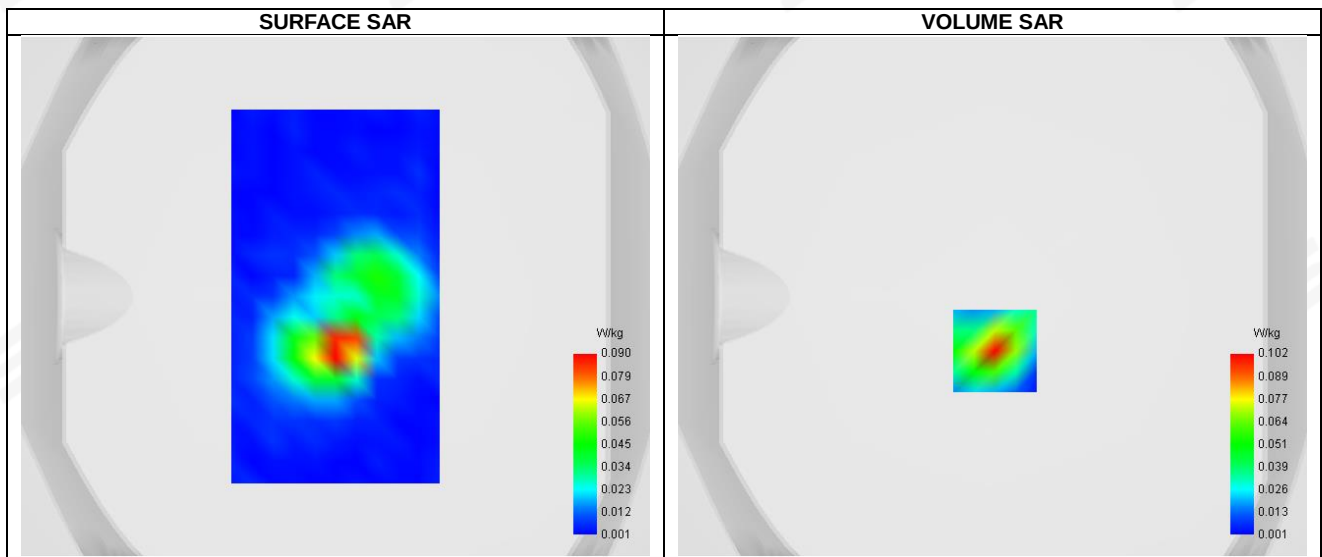
F. 3D Image





Plot 13: DUT: Smart Health Bracelet; EUT Model: V6

Test Date	2025-08-22
ConvF	1.72
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Front of face
Band	LTE band 25
Signal	NB-IoT LTE Band 25
Frequency (MHz)	1860.1
Relative permittivity (real part)	40.66
Conductivity (S/m)	1.39



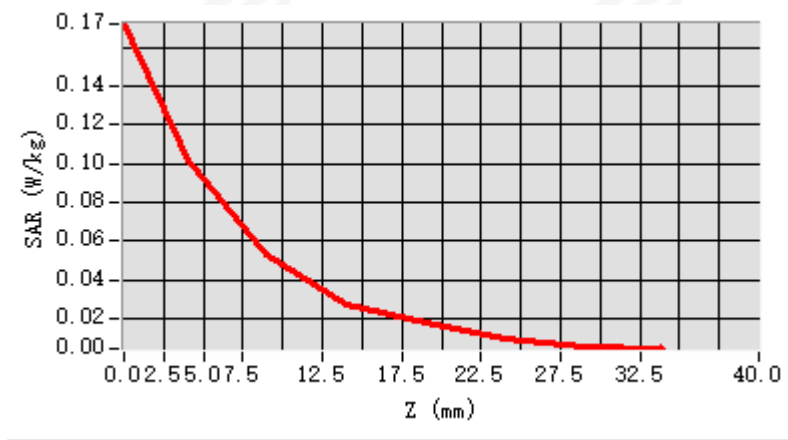
Maximum location: X=1.00, Y=-21.00 ; SAR Peak: 0.17 W/kg

D. SAR 1g & 10g

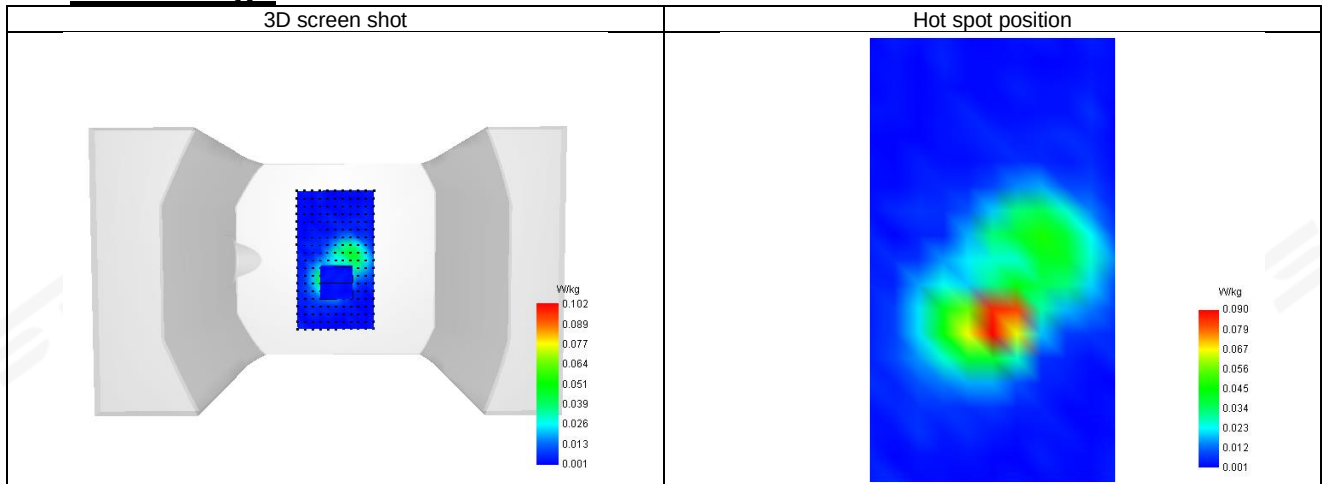
SAR 10g (W/Kg)	0.039
SAR 1g (W/Kg)	0.091
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	51.861431

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.172	0.102	0.053	0.027	0.018	0.010	0.006



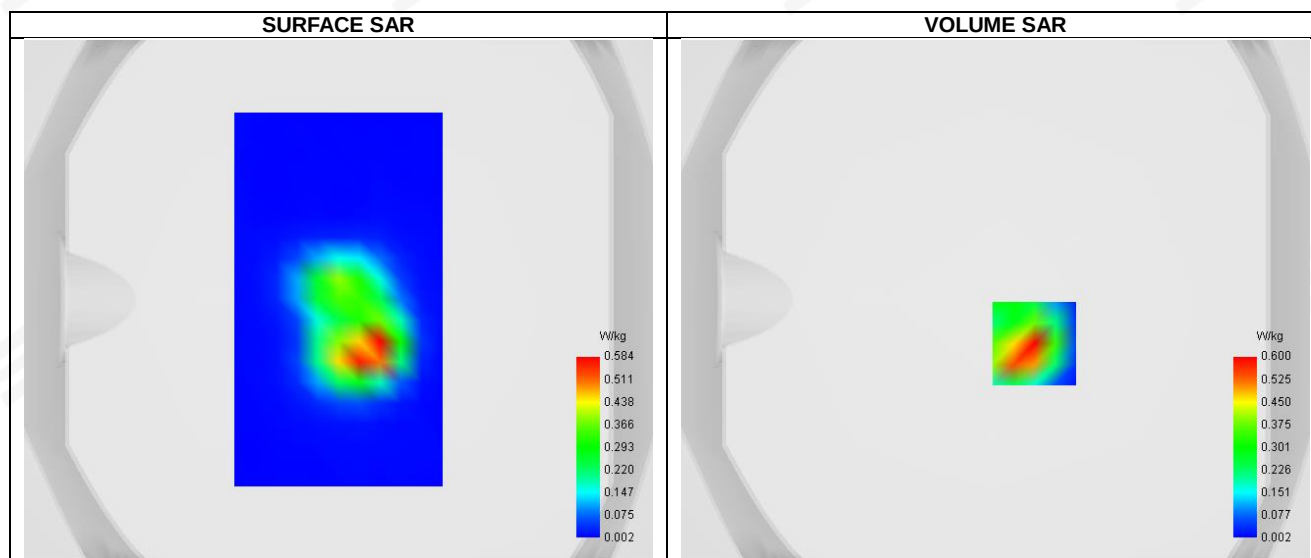
F. 3D Image





Plot 14: DUT: Smart Health Bracelet; EUT Model: V6

Test Date	2025-08-22
ConvF	1.72
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Limb
Device Position	Wrist
Band	LTE band 25
Signal	NB-IoT LTE Band 25
Frequency (MHz)	1860.1
Relative permittivity (real part)	40.66
Conductivity (S/m)	1.39



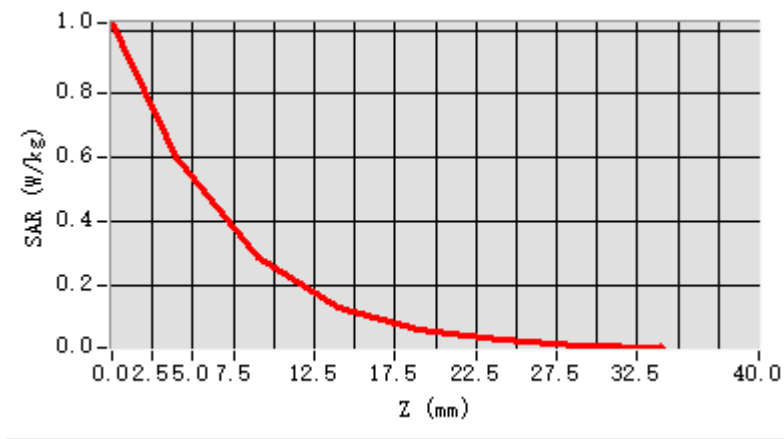
Maximum location: X=15.00, Y=-17.00 ; SAR Peak: 1.65 W/kg

D. SAR 1g & 10g

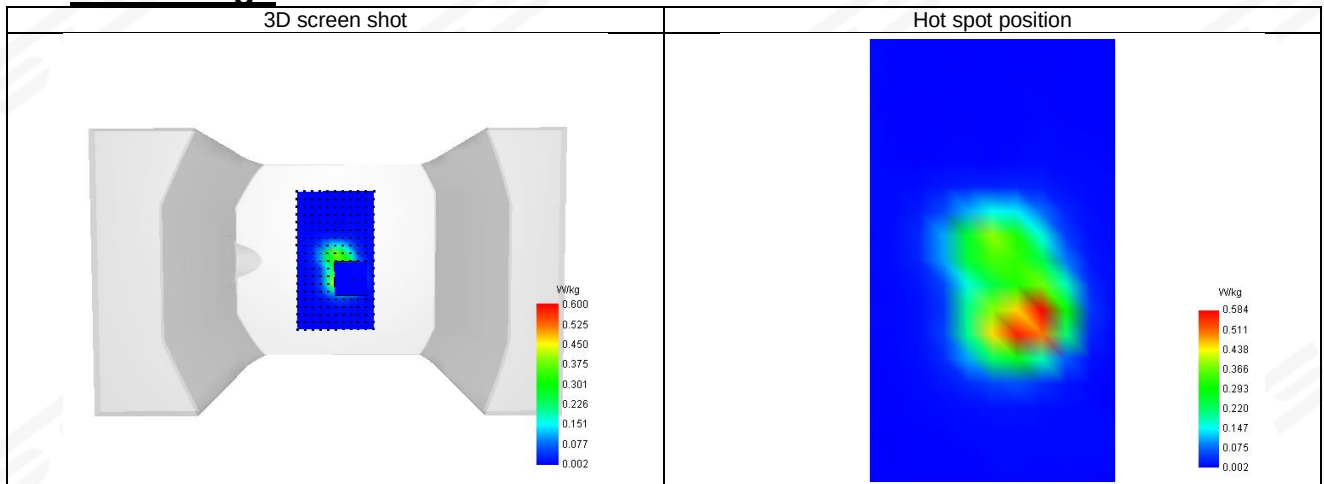
SAR 10g (W/Kg)	0.231
SAR 1g (W/Kg)	0.647
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	47.654675

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.023	0.600	0.286	0.128	0.059	0.027	0.013



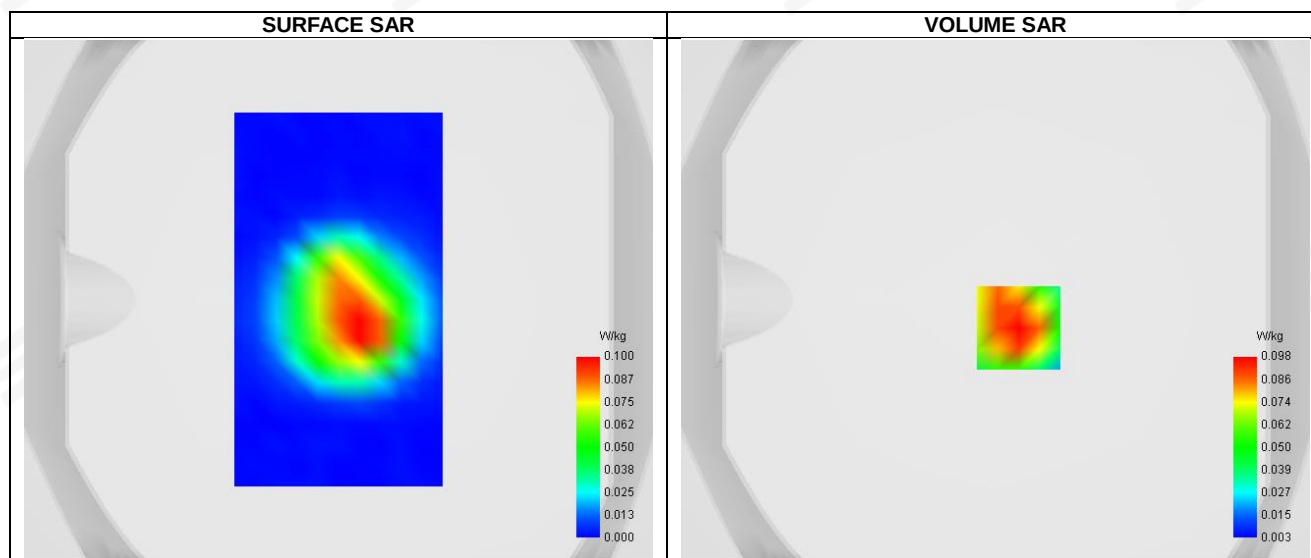
F. 3D Image





Plot 15: DUT: Smart Health Bracelet; EUT Model: V6

Test Date	2025-08-22
ConvF	1.58
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Front of face
Band	LTE band 66
Signal	NB-IoT LTE Band 66
Frequency (MHz)	1720.1
Relative permittivity (real part)	41.47
Conductivity (S/m)	1.37



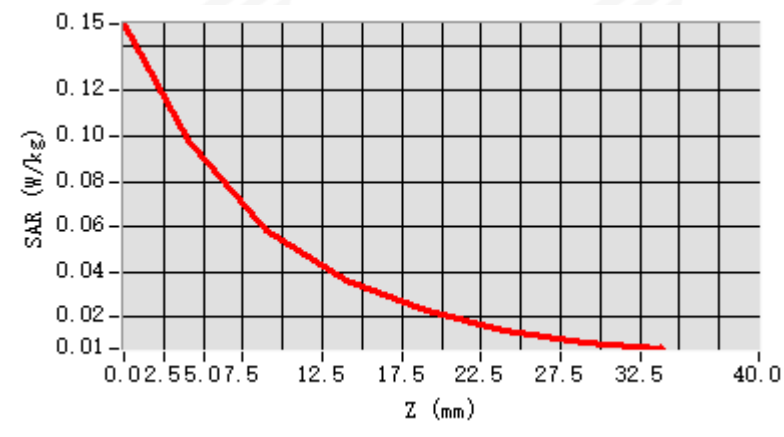
Maximum location: X=9.00, Y=-11.00 ; SAR Peak: 0.16 W/kg

D. SAR 1g & 10g

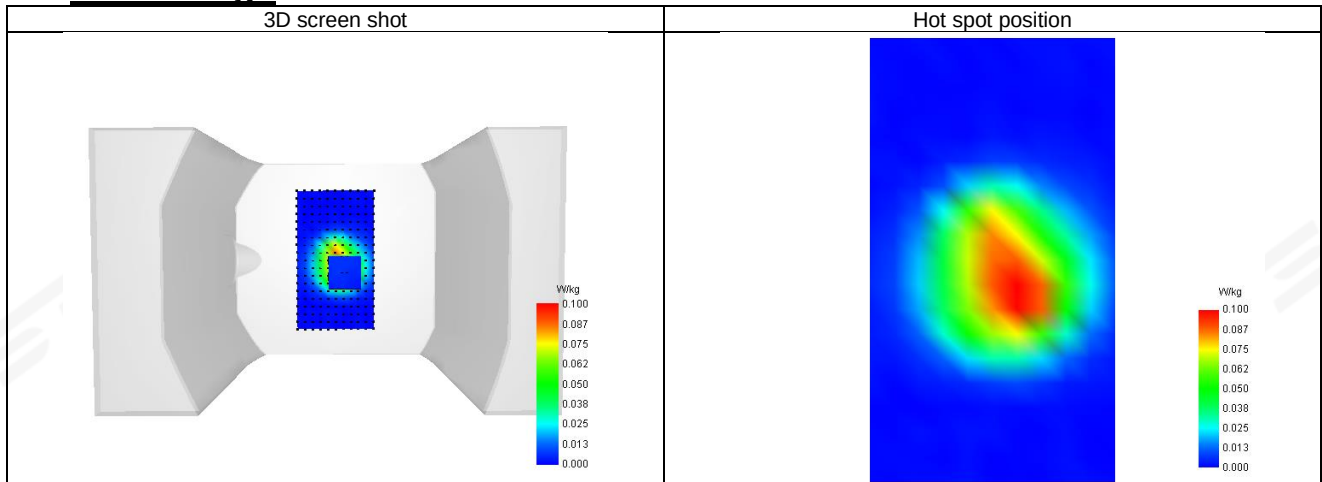
SAR 10g (W/Kg)	0.054
SAR 1g (W/Kg)	0.096
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	60.585285

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.149	0.098	0.058	0.036	0.023	0.014	0.009



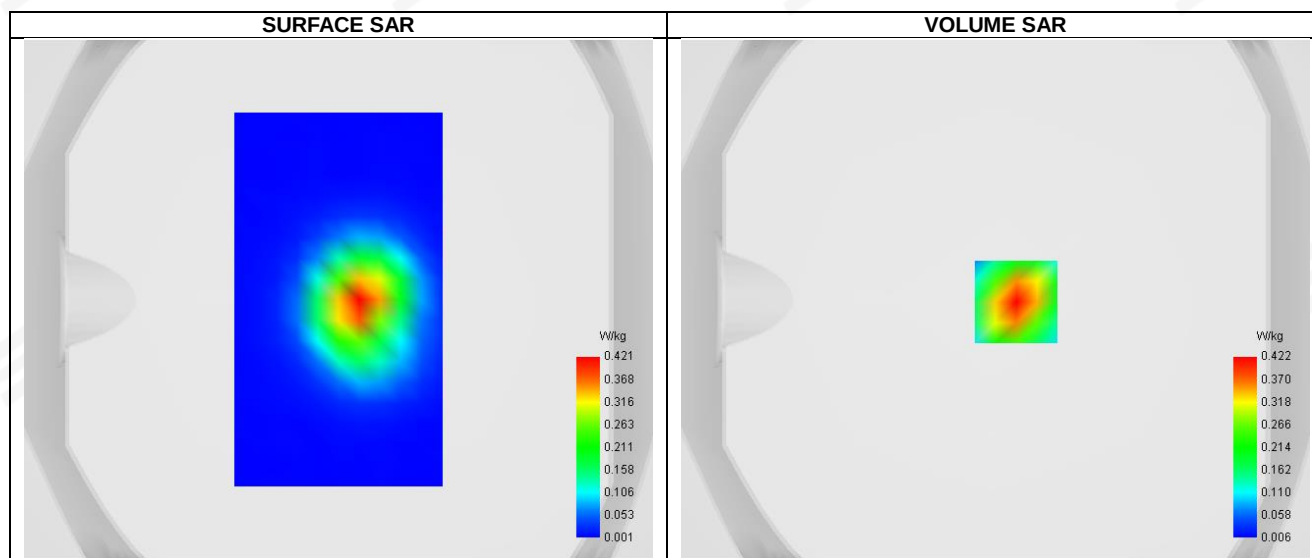
F. 3D Image





Plot 16: DUT: Smart Health Bracelet; EUT Model: V6

Test Date	2025-08-22
ConvF	1.58
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Limb
Device Position	Wrist
Band	LTE band 66
Signal	NB-IoT LTE Band 66
Frequency (MHz)	1720.1
Relative permittivity (real part)	41.47
Conductivity (S/m)	1.37



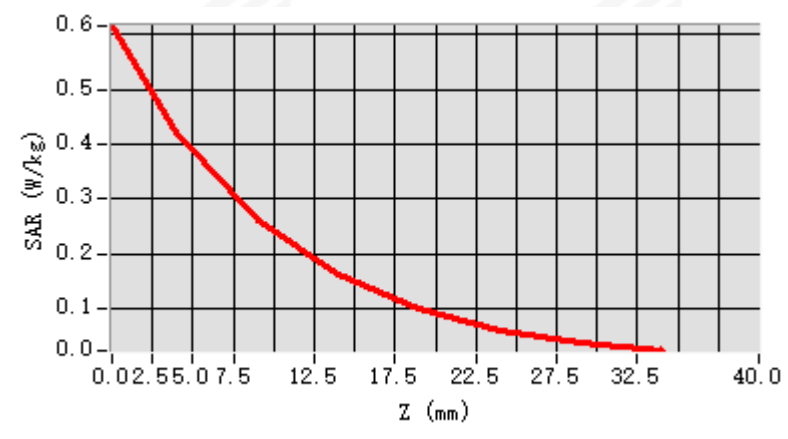
Maximum location: X=8.00, Y=-1.00 ; SAR Peak: 0.62 W/kg

D. SAR 1g & 10g

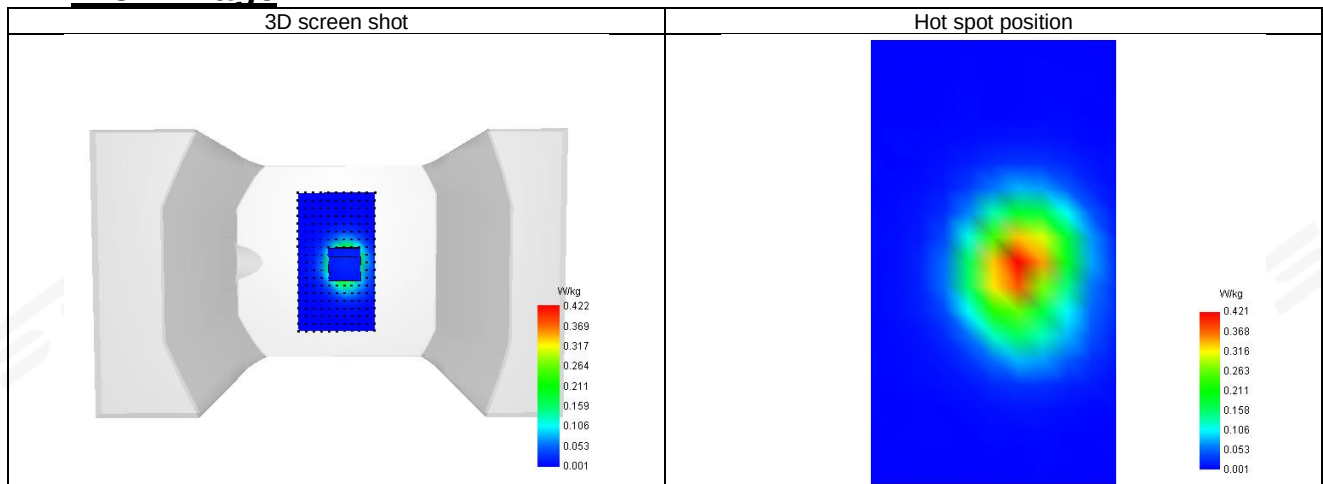
SAR 10g (W/Kg)	0.213
SAR 1g (W/Kg)	0.394
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	61.525884

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.615	0.422	0.260	0.161	0.099	0.061	0.038



F. 3D Image





Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※END OF THE REPORT※※※※