



# SAR Test Report

Report No.: STS2510086H01

Issued for

SHENZHEN MOTTO ELECTRONICS CO., LTD

501, No.71-5 of XinTian Road, XinTian Community, Fuhai  
Street, BaoAn District, Shenzhen, China

Product Name: Kids Smart Watch

Brand Name: N/A

Model Name: A22

Series Model(s): LT06, LT08, LT21, LT30, LT31, LT36,  
LT37, LT38, LT46, LT47, LT48, LT49,  
LT50, LT51, LT53, LT55, LT58, LT59,  
LT60, X38, X39, X53, X60, X62, A8, A28,  
S19, T30, JC1, JC2, JC3, JC5, JC6, JC7,  
JC8, SC1, SC2, SC3, SC5

FCC ID: 2BHYW-A22

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: 0.660 W/kg (1g)  
Wrist: 0.914 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** ..... : SHENZHEN MOTTO ELECTRONICS CO., LTDAddress ..... : 501, No.71-5 of XinTian Road, XinTian Community, Fuhai Street,  
BaoAn District, Shenzhen, China**Manufacturer's Name** ..... : SHENZHEN MOTTO ELECTRONICS CO., LTDAddress ..... : 501, No.71-5 of XinTian Road, XinTian Community, Fuhai Street,  
BaoAn District, Shenzhen, China**Product description**

Product name ..... : Kids Smart Watch

Brand name ..... : N/A

Model name ..... : A22

Series Model(s) : .....  
LT06, LT08, LT21, LT30, LT31, LT36, LT37, LT38, LT46,  
LT47, LT48, LT49, LT50, LT51, LT53, LT55, LT58, LT59,  
LT60, X38, X39, X53, X60, X62, A8, A28, S19, T30, JC1,  
JC2, JC3, JC5, JC6, JC7, JC8, SC1, SC2, SC3, SC5  
ANSI/IEEE Std. C95.1**Standards** ..... : 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 ..... : 23 Oct. 2025 ~ 27 Oct. 2025

Date of Issue ..... : 03 Nov. 2025

Test Result ..... : **Pass**

Testing Engineer : \_\_\_\_\_

(Xin.Liu)

Technical Manager : \_\_\_\_\_

(Shifan. Long)

Authorized Signatory : \_\_\_\_\_

(Bovey Yang)





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**Revision History**

| Rev. | Issue Date   | Report No.    | Effect Page | Contents      |
|------|--------------|---------------|-------------|---------------|
| 00   | 03 Nov. 2025 | STS2510086H01 | 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                                                                                         | Kids Smart Watch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                            |                     |
| Brand Name                                                                                           | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                            |                     |
| Model Name                                                                                           | A22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                            |                     |
| Series Model                                                                                         | LT06, LT08, LT21, LT30, LT31, LT36, LT37, LT38, LT46, LT47, LT48, LT49, LT50, LT51, LT53, LT55, LT58, LT59, LT60, X38, X39, X53, X60, X62, A8, A28, S19, T30, JC1, JC2, JC3, JC5, JC6, JC7, JC8, SC1, SC2, SC3, SC5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                            |                     |
| Model Difference                                                                                     | Only different in model name and appearance Colors.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                            |                     |
| Sample number                                                                                        | 251045006-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                            |                     |
| Battery                                                                                              | Model: 553032<br>Brand: N/A<br>Rated Voltage: 3.85V<br>Charge Limit Voltage: 4.4V<br>Capacity: 700mAh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                            |                     |
| Device Category                                                                                      | Portable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                            |                     |
| Product stage                                                                                        | Production unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |                            |                     |
| RF Exposure Environment                                                                              | General Population / Uncontrolled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                            |                     |
| Hardware Version                                                                                     | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                            |                     |
| Software Version                                                                                     | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                            |                     |
| Frequency Range                                                                                      | GSM 850: 824 MHz ~ 849 MHz<br>PCS1900: 1850 MHz ~ 1910 MHz<br>WCDMA Band 2: 1850 MHz ~ 1910 MHz<br>WCDMA Band 5: 824 MHz ~ 849 MHz<br>LTE Band 2: 1850 MHz ~ 1910 MHz<br>LTE Band 4: 1710 MHz ~ 1755 MHz<br>LTE Band 5: 824 MHz ~ 849 MHz<br>LTE Band 7: 2500 MHz ~ 2570 MHz<br>LTE Band 12: 699 MHz ~ 716 MHz<br><b>LTE Band 17 (704-716 MHz) is covered by LTE Band 12 (699-716 MHz)</b><br>LTE Band 13: 777 MHz ~ 787 MHz<br>LTE Band 17: 704 MHz ~ 716 MHz<br>LTE Band 26: 814 MHz ~ 824 MHz / 824 MHz ~ 849 MHz<br>LTE Band 66: 1710 MHz ~ 1780 MHz<br><b>LTE Band 4 (1710-1755 MHz) is covered by LTE Band 66 (1710-1780 MHz)</b><br>WLAN802.11b/g/n20: 2412 MHz ~ 2462 MHz<br>WLAN 802.11n40: 2422 MHz ~ 2452 MHz<br>BLE: 2402 MHz to 2480 MHz |              |                            |                     |
| Max. Reported SAR(1&10g):<br>(Limit:1.6&4.0W/kg)<br>Test distance:<br>Wrist:0mm<br>Front of face:5mm | Band                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Mode         | Front of face-1g<br>(W/kg) | Wrist-10g<br>(W/kg) |
|                                                                                                      | PCT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | GSM 850      | 0.036                      | 0.096               |
|                                                                                                      | PCT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | GSM 1900     | 0.168                      | 0.206               |
|                                                                                                      | PCT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | WCDMA Band 2 | 0.606                      | 0.754               |
|                                                                                                      | PCT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | WCDMA Band 5 | 0.019                      | 0.049               |
|                                                                                                      | PCT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LTE Band 2   | 0.660                      | 0.707               |



|                                                                                                                       |                                                                                                                                                                                                                                                                                                          |                 |         |         |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------|---------|
|                                                                                                                       | PCT                                                                                                                                                                                                                                                                                                      | LTE Band 5      | 0.023   | 0.039   |
|                                                                                                                       | PCT                                                                                                                                                                                                                                                                                                      | LTE Band 7      | 0.473   | 0.914   |
|                                                                                                                       | PCT                                                                                                                                                                                                                                                                                                      | LTE Band 12/B17 | 0.113   | 0.287   |
|                                                                                                                       | PCT                                                                                                                                                                                                                                                                                                      | LTE Band 13     | 0.106   | 0.251   |
|                                                                                                                       | PCT                                                                                                                                                                                                                                                                                                      | LTE Band 26     | 0.023   | 0.037   |
|                                                                                                                       | PCT                                                                                                                                                                                                                                                                                                      | LTE Band 66/B4  | 0.326   | 0.724   |
|                                                                                                                       | DTS                                                                                                                                                                                                                                                                                                      | 2.4G WLAN       | 0.077   | 0.072   |
|                                                                                                                       | DSS                                                                                                                                                                                                                                                                                                      | BT              | 0.052   | 0.021   |
| 1-g Sum SAR                                                                                                           |                                                                                                                                                                                                                                                                                                          |                 | 0.737   | N/A     |
| 10-g Sum SAR                                                                                                          |                                                                                                                                                                                                                                                                                                          |                 | N/A     | 0.986   |
| Limit                                                                                                                 |                                                                                                                                                                                                                                                                                                          |                 | 1.6W/kg | 4.0W/kg |
| FCC Equipment Class                                                                                                   | Digital Transmission System (DTS)<br>PCS Licensed Transmitter worn on body (PCT)<br>Part 15 Spread Spectrum Transmitter (DSS)                                                                                                                                                                            |                 |         |         |
| Operating Mode:                                                                                                       | GSM: GSM Voice; GPRS/EGPRS Class 12<br>WCDMA: RMC, HSDPA, HSUPA Release 6<br>LTE: QPSK, 16QAM, 64QAM(downlink only)<br>2.4G WLAN : 802.11b(DSSS):CCK,DQPSK,DBPSK<br>802.11g(OFDM):BPSK,QPSK,16-QAM,64-QAM<br>802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM<br>Bluetooth: GFSK + $\pi$ /4DQPSK+8DPSK<br>BLE: GFSK |                 |         |         |
| Antenna Specification:                                                                                                | GSM/WCDMA/LTE: PIFA Antenna<br>Bluetooth: PIFA Antenna<br>WLAN: PIFA Antenna                                                                                                                                                                                                                             |                 |         |         |
| Hotspot Mode                                                                                                          | Support                                                                                                                                                                                                                                                                                                  |                 |         |         |
| DTM Mode                                                                                                              | Not Support                                                                                                                                                                                                                                                                                              |                 |         |         |
| Note:<br>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                                                                                                                                                                                                                                                                                                  |
| 10  | 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).

|                                                 |
|-------------------------------------------------|
| <b>NOTE</b>                                     |
| <b>GENERAL POPULATION/UNCONTROLLED EXPOSURE</b> |
| <b>PARTIAL BODY LIMIT</b>                       |
| <b>1.6 W/kg(1g)</b>                             |
| <b>PARTIAL WRIST LIMIT</b>                      |
| <b>4.0 W/kg(10g)</b>                            |

### 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 ( $\rho$ ). The equation description is as below:

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

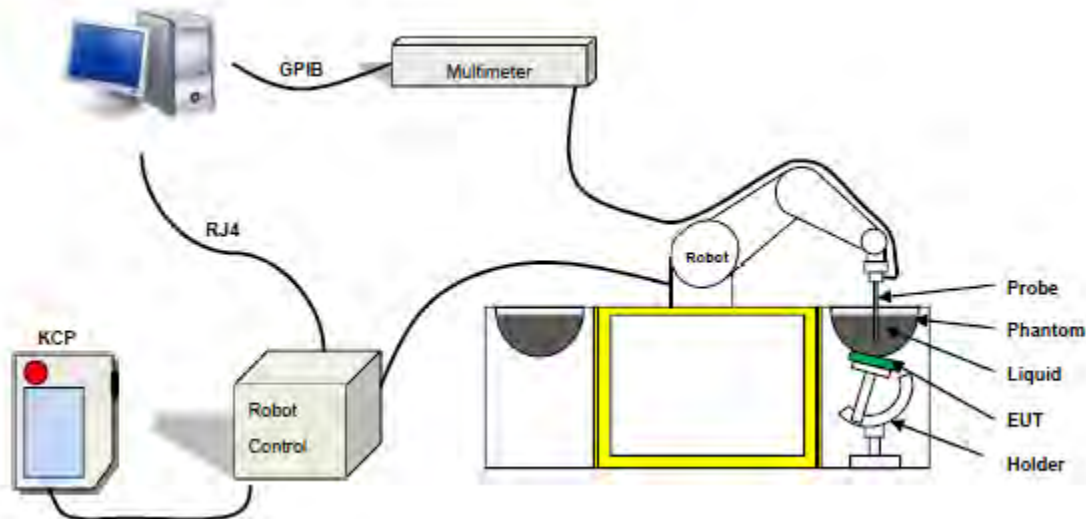
SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

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

Where:  $\sigma$  is the conductivity of the tissue,  
 $\rho$  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.

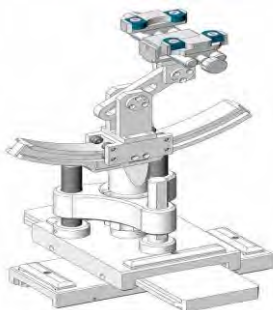
SN 32/14 SAM115



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  $\pm 0.5$  mm would produce a SAR uncertainty of  $\pm 20$  %. 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

### 4.1 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    | $\epsilon_r$ | $\sigma$ 10g<br>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<br>(MHz)                  | Water<br>(%) | Sugar<br>(%)          | Cellulose<br>(%) | Salt<br>(%) | Preventol<br>(%)    | DGBE<br>(%) | Conductivity<br>$\sigma$ (S/m) | Permittivity<br>$\epsilon$ |
| 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<br>(MHz)                  | Water<br>(%) | Hexyl Carbitol<br>(%) |                  |             | Triton X-100<br>(%) |             | Conductivity<br>$\sigma$ (S/m) | Permittivity<br>$\epsilon$ |
| 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<br>(MHz)                  | Water<br>(%) | Sugar<br>(%)          | Cellulose<br>(%) | Salt<br>(%) | Preventol<br>(%)    | DGBE<br>(%) | Conductivity<br>$\sigma$ (S/m) | Permittivity<br>$\epsilon$ |
| 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<br>(%)           |                  |             | Salt<br>(%)         |             | Conductivity<br>$\sigma$ (S/m) | Permittivity<br>$\epsilon$ |
| 5200                                | 78.60        | 21.40                 |                  |             | /                   |             | 5.30                           | 49.00                      |
| 5800                                | 78.50        | 21.40                 |                  |             | 0.1                 |             | 6.00                           | 48.20                      |

**LIQUID MEASUREMENT RESULTS**

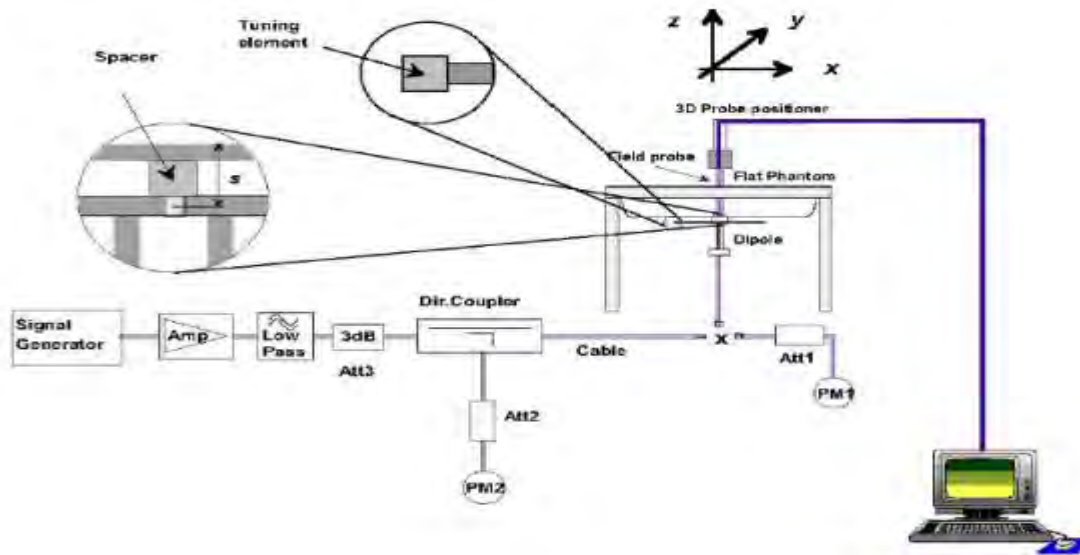
| Date       | Ambient    |            | Simulating Liquid |            | Parameters   | Target | Measured | Deviation % | Limited % |
|------------|------------|------------|-------------------|------------|--------------|--------|----------|-------------|-----------|
|            | Temp. [°C] | Humidity % | Frequency (MHz)   | Temp. [°C] |              |        |          |             |           |
| 2025-10-23 | 22.8       | 51         | 704               | 22.5       | Permittivity | 42.15  | 42.28    | 0.32        | ±5        |
|            |            |            |                   |            | Conductivity | 0.89   | 0.86     | -3.04       | ±5        |
| 2025-10-23 | 22.9       | 51         | 711               | 22.6       | Permittivity | 42.11  | 41.87    | -0.57       | ±5        |
|            |            |            |                   |            | Conductivity | 0.89   | 0.88     | -0.83       | ±5        |
| 2025-10-23 | 23.0       | 52         | 750               | 22.7       | Permittivity | 41.90  | 41.84    | -0.14       | ±5        |
|            |            |            |                   |            | Conductivity | 0.89   | 0.91     | 2.25        | ±5        |
| 2025-10-23 | 23.1       | 52         | 782               | 22.8       | Permittivity | 41.73  | 42.38    | 1.56        | ±5        |
|            |            |            |                   |            | Conductivity | 0.89   | 0.88     | -1.36       | ±5        |
| 2025-10-21 | 23.3       | 46         | 829               | 23.0       | Permittivity | 41.53  | 40.89    | -1.54       | ±5        |
|            |            |            |                   |            | Conductivity | 0.90   | 0.88     | -2.15       | ±5        |
| 2025-10-21 | 23.4       | 46         | 831.5             | 23.1       | Permittivity | 41.52  | 41.39    | -0.30       | ±5        |
|            |            |            |                   |            | Conductivity | 0.90   | 0.91     | 1.16        | ±5        |
| 2025-10-21 | 23.4       | 46         | 835               | 23.1       | Permittivity | 41.50  | 42.53    | 2.48        | ±5        |
|            |            |            |                   |            | Conductivity | 0.90   | 0.92     | 2.22        | ±5        |
| 2025-10-21 | 23.5       | 46         | 844               | 23.1       | Permittivity | 41.46  | 41.18    | -0.67       | ±5        |
|            |            |            |                   |            | Conductivity | 0.90   | 0.90     | -0.12       | ±5        |
| 2025-10-21 | 23.4       | 46         | 846.6             | 23.1       | Permittivity | 41.45  | 41.76    | 0.76        | ±5        |
|            |            |            |                   |            | Conductivity | 0.90   | 0.90     | -0.15       | ±5        |
| 2025-10-21 | 23.5       | 47         | 848.8             | 23.2       | Permittivity | 41.44  | 42.07    | 1.53        | ±5        |
|            |            |            |                   |            | Conductivity | 0.90   | 0.89     | -1.29       | ±5        |
| 2025-10-24 | 21.7       | 59         | 1755              | 21.4       | Permittivity | 40.06  | 40.00    | -0.16       | ±5        |
|            |            |            |                   |            | Conductivity | 1.37   | 1.36     | -1.04       | ±5        |
| 2025-10-24 | 21.8       | 59         | 1800              | 21.4       | Permittivity | 40.00  | 40.23    | 0.57        | ±5        |
|            |            |            |                   |            | Conductivity | 1.40   | 1.39     | -0.71       | ±5        |
| 2025-10-24 | 21.7       | 59         | 1860              | 21.4       | Permittivity | 40.00  | 40.82    | 2.05        | ±5        |
|            |            |            |                   |            | Conductivity | 1.40   | 1.40     | 0.00        | ±5        |
| 2025-10-24 | 21.8       | 59         | 1880              | 21.5       | Permittivity | 40.00  | 40.99    | 2.48        | ±5        |
|            |            |            |                   |            | Conductivity | 1.40   | 1.37     | -2.14       | ±5        |
| 2025-10-24 | 21.8       | 59         | 1900              | 21.4       | Permittivity | 40.00  | 40.05    | 0.12        | ±5        |
|            |            |            |                   |            | Conductivity | 1.40   | 1.45     | 3.57        | ±5        |
| 2025-10-27 | 20.1       | 51         | 2450              | 19.8       | Permittivity | 39.20  | 39.41    | 0.54        | ±5        |
|            |            |            |                   |            | Conductivity | 1.80   | 1.79     | -0.56       | ±5        |
| 2025-10-27 | 20.1       | 51         | 2462              | 19.8       | Permittivity | 39.18  | 40.41    | 3.14        | ±5        |
|            |            |            |                   |            | Conductivity | 1.81   | 1.79     | -1.14       | ±5        |
| 2025-10-27 | 20.1       | 51         | 2510              | 19.8       | Permittivity | 39.12  | 39.82    | 1.79        | ±5        |
|            |            |            |                   |            | Conductivity | 1.86   | 1.89     | 1.39        | ±5        |
| 2025-10-27 | 20.2       | 51         | 2535              | 19.9       | Permittivity | 39.09  | 39.21    | 0.32        | ±5        |
|            |            |            |                   |            | Conductivity | 1.89   | 1.88     | -0.56       | ±5        |
| 2025-10-27 | 20.2       | 51         | 2560              | 19.9       | Permittivity | 39.05  | 39.65    | 1.53        | ±5        |
|            |            |            |                   |            | Conductivity | 1.92   | 1.93     | 0.66        | ±5        |
| 2025-10-27 | 20.3       | 52         | 2600              | 20.0       | Permittivity | 39.00  | 39.82    | 2.10        | ±5        |
|            |            |            |                   |            | Conductivity | 1.96   | 1.97     | 0.51        | ±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

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

| Date       | Frequency (MHz) | Power               | SAR <sub>1g</sub> (W/Kg) | SAR <sub>10g</sub> (W/Kg) | Drift (%) | 1W Target                |                           | Difference percentage |        | Limited % |
|------------|-----------------|---------------------|--------------------------|---------------------------|-----------|--------------------------|---------------------------|-----------------------|--------|-----------|
|            |                 |                     |                          |                           |           | SAR <sub>1g</sub> (W/Kg) | SAR <sub>10g</sub> (W/Kg) | 1g                    | 10g    |           |
| 2025-10-23 | 750             | 100 mW              | 0.788                    | 0.545                     | 1.59      | 8.49                     | 5.53                      | -7.18%                | -1.45% | 10        |
|            |                 | Normalize to 1 Watt | 7.88                     | 5.45                      |           |                          |                           |                       |        |           |
| 2025-10-21 | 835             | 100 mW              | 0.951                    | 0.656                     | 1.24      | 9.63                     | 6.15                      | -1.25%                | 6.67%  | 10        |
|            |                 | Normalize to 1 Watt | 9.51                     | 6.56                      |           |                          |                           |                       |        |           |
| 2025-10-24 | 1800            | 100 mW              | 3.867                    | 1.967                     | 1.84      | 38.40                    | 20.10                     | 0.70%                 | -2.14% | 10        |
|            |                 | Normalize to 1 Watt | 38.67                    | 19.67                     |           |                          |                           |                       |        |           |
| 2025-10-24 | 1900            | 100 mW              | 3.909                    | 2.030                     | -3.72     | 39.84                    | 20.20                     | -1.88%                | 0.50%  | 10        |
|            |                 | Normalize to 1 Watt | 39.09                    | 20.30                     |           |                          |                           |                       |        |           |
| 2025-10-27 | 2450            | 100 mW              | 5.394                    | 2.422                     | 0.66      | 54.70                    | 24.11                     | -1.39%                | 0.46%  | 10        |
|            |                 | Normalize to 1 Watt | 53.94                    | 24.22                     |           |                          |                           |                       |        |           |
| 2025-10-27 | 2600            | 100 mW              | 5.679                    | 2.432                     | -3.90     | 56.19                    | 24.08                     | 1.07%                 | 1.00%  | 10        |
|            |                 | Normalize to 1 Watt | 56.79                    | 24.32                     |           |                          |                           |                       |        |           |

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.

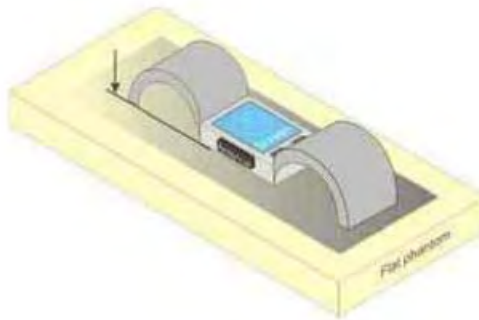
## 7. EUT Test Position

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**



## 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 EPG0352                                                    |       |                |                |      |         |          |                |                 |    |
|-----------------------------------------------------------------------------------------|-------|----------------|----------------|------|---------|----------|----------------|-----------------|----|
| Measurement uncertainty for DUT averaged over 1 gram / 10 gram.                         |       |                |                |      |         |          |                |                 |    |
| Uncertainty Component                                                                   | Sec.  | Tol<br>(+/- %) | Prob.<br>Dist. | Div. | Ci (1g) | Ci (10g) | 1g Ui (+<br>%) | 10g Ui (+<br>%) | vi |
| <b>Measurement System</b>                                                               |       |                |                |      |         |          |                |                 |    |
| 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-<br>reflections                                                   | E.6.1 | 3.15           | R              | 1.73 | 1.00    | 1.00     | 1.82           | 1.82            | ∞  |
| Probe positioner mechanical<br>tolerance                                                | E.6.2 | 1.20           | R              | 1.73 | 1.00    | 1.00     | 0.69           | 0.69            | ∞  |
| Probe positioning with<br>respect to phantom shell                                      | E.6.3 | 1.40           | R              | 1.73 | 1.00    | 1.00     | 0.81           | 0.81            | ∞  |
| Extrapolation, interpolation,<br>and integrations algorithms<br>for max. SAR evaluation | E.5   | 2.10           | R              | 1.73 | 1.00    | 1.00     | 1.21           | 1.21            | ∞  |
| <b>Test sample Related</b>                                                              |       |                |                |      |         |          |                |                 |    |
| 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—<br>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            | ∞  |
| <b>Phantom and tissue parameters</b>                                                    |       |                |                |      |         |          |                |                 |    |
| Phantom shell uncertainty—<br>shape, thickness, and<br>permittivity                     | E.3.1 | 3.70           | R              | 1.73 | 1.00    | 1.00     | 2.14           | 2.14            | ∞  |
| Uncertainty in SAR<br>correction for deviations in<br>permittivity and conductivity     | E.3.2 | 1.90           | N              | 1.00 | 1.00    | 0.84     | 1.90           | 1.60            | ∞  |
| Liquid conductivity<br>measurement                                                      | E.3.3 | 2.40           | R              | 1.73 | 0.78    | 0.71     | 1.08           | 0.98            | M  |
| Liquid permittivity<br>measurement                                                      | E.3.3 | 4.10           | N              | 1.00 | 0.78    | 0.71     | 3.20           | 2.91            | M  |
| Liquid conductivity—<br>temperature uncertainty                                         | E.3.4 | 2.70           | R              | 1.73 | 0.23    | 0.26     | 0.36           | 0.41            | ∞  |
| Liquid permittivity—<br>temperature uncertainty                                         | E.3.4 | 4.80           | N              | 1.00 | 0.23    | 0.26     | 1.10           | 1.25            | ∞  |
| Combined Standard<br>Uncertainty                                                        |       |                | RSS            |      |         |          | 10.08          | 9.59            |    |
| Expanded Uncertainty (95%<br>Confidence interval)                                       |       |                | K=2            |      |         |          | 19.58          | 19.18           |    |



| SATIMO Uncertainty- SN 08/21 EPG0352                                              |         |              |                |      |         |          |             |              |    |
|-----------------------------------------------------------------------------------|---------|--------------|----------------|------|---------|----------|-------------|--------------|----|
| System Validation uncertainty for DUT averaged over 1 gram / 10 gram.             |         |              |                |      |         |          |             |              |    |
| Uncertainty Component                                                             | Sec.    | Tol<br>(+-%) | Prob.<br>Dist. | Div. | Ci (1g) | Ci (10g) | 1g Ui (+-%) | 10g Ui (+-%) | vi |
| <b>Measurement System</b>                                                         |         |              |                |      |         |          |             |              |    |
| 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         | ∞  |
| <b>System validation source</b>                                                   |         |              |                |      |         |          |             |              |    |
| 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         | ∞  |
| <b>Phantom and set-up</b>                                                         |         |              |                |      |         |          |             |              |    |
| 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<br>(+ - %) | Prob.<br>Dist. | Div. | Ci (1g) | Ci (10g) | 1g Ui (+<br>-%) | 10g Ui<br>(+-%) | vi |
| <b>Measurement System</b>                                                               |         |                |                |      |         |          |                 |                 |    |
| 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-<br>Noise                                                         | E.6.1   | 3.51           | R              | 1.73 | 0.00    | 0.00     | 0.00            | 0.00            | ∞  |
| RF ambient conditions-<br>reflections                                                   | E.6.1   | 3.15           | R              | 1.73 | 0.00    | 0.00     | 0.00            | 0.00            | ∞  |
| Probe positioner mechanical<br>tolerance                                                | E.6.2   | 1.2            | R              | 1.73 | 1.00    | 1.00     | 0.69            | 0.69            | ∞  |
| Probe positioning with<br>respect to phantom shell                                      | E.6.3   | 1.4            | R              | 1.73 | 1.00    | 1.00     | 0.81            | 0.81            | ∞  |
| Extrapolation, interpolation,<br>and integrations algorithms<br>for max. SAR evaluation | E.5     | 3.9            | R              | 1.73 | 0.00    | 0.00     | 0.00            | 0.00            | ∞  |
| <b>System check source<br/>(dipole)</b>                                                 |         |                |                |      |         |          |                 |                 |    |
| Deviation of experimental<br>dipoles                                                    | E.6.4   | 4.8            | N              | 1.00 | 1.00    | 1.00     | 4.80            | 4.80            | ∞  |
| Input power and SAR drift<br>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            | ∞  |
| <b>Phantom and tissue<br/>parameters</b>                                                |         |                |                |      |         |          |                 |                 |    |
| Phantom shell uncertainty—<br>shape, thickness, and<br>permittivity                     | E.3.1   | 3.7            | R              | 1.73 | 1.00    | 1.00     | 2.14            | 2.14            | ∞  |
| Uncertainty in SAR<br>correction for deviations in<br>permittivity and conductivity     | E.3.2   | 1.9            | N              | 1.00 | 1.00    | 0.84     | 1.90            | 1.60            | ∞  |
| Liquid conductivity<br>measurement                                                      | E.3.3   | 2.4            | R              | 1.73 | 0.78    | 0.71     | 1.08            | 0.98            | ∞  |
| Liquid permittivity<br>measurement                                                      | E.3.3   | 4.1            | N              | 1.00 | 0.78    | 0.71     | 3.20            | 2.91            | M  |
| Liquid conductivity—<br>temperature uncertainty                                         | E.3.4   | 2.7            | R              | 1.73 | 0.23    | 0.26     | 0.36            | 0.41            | ∞  |
| Liquid permittivity—<br>temperature uncertainty                                         | E.3.4   | 4.8            | N              | 1.00 | 0.23    | 0.26     | 1.10            | 1.25            | M  |
| Combined Standard<br>Uncertainty                                                        |         |                | RSS            |      |         |          | 5.56            | 5.20            |    |
| Expanded Uncertainty (95%<br>Confidence interval)                                       |         |                | K=2            |      |         |          | 11.12           | 10.41           |    |



## 9. Conducted Power Measurement

### 9.1 Test Result

#### GSM

| Burst Average Power (dBm)                                                                                                                                                                                                                                                             |         |       |       |          |        |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-------|----------|--------|--------|
| Band                                                                                                                                                                                                                                                                                  | GSM 850 |       |       | PCS 1900 |        |        |
| Channel                                                                                                                                                                                                                                                                               | 128     | 190   | 251   | 512      | 661    | 810    |
| Frequency (MHz)                                                                                                                                                                                                                                                                       | 824.2   | 836.6 | 848.8 | 1850.2   | 1880.0 | 1909.8 |
| GSM(GMSK, 1-Slot)                                                                                                                                                                                                                                                                     | 32.80   | 32.64 | 32.81 | 28.79    | 28.83  | 28.69  |
| GPRS (GMSK, 1-Slot)                                                                                                                                                                                                                                                                   | 32.71   | 32.55 | 32.74 | 28.92    | 28.98  | 28.83  |
| GPRS (GMSK, 2-Slot)                                                                                                                                                                                                                                                                   | 30.82   | 30.83 | 31.04 | 27.80    | 27.99  | 27.92  |
| GPRS (GMSK, 3-Slot)                                                                                                                                                                                                                                                                   | 29.02   | 29.05 | 29.25 | 25.77    | 25.99  | 25.93  |
| GPRS (GMSK, 4-Slot)                                                                                                                                                                                                                                                                   | 26.94   | 27.00 | 27.20 | 23.78    | 24.02  | 23.99  |
| EGPRS(8PSK, 1-Slot)                                                                                                                                                                                                                                                                   | 32.73   | 32.57 | 32.76 | 28.84    | 28.88  | 28.75  |
| EGPRS(8PSK, 2-Slot)                                                                                                                                                                                                                                                                   | 30.83   | 30.85 | 31.03 | 27.73    | 27.92  | 27.86  |
| EGPRS(8PSK, 3-Slot)                                                                                                                                                                                                                                                                   | 29.02   | 29.05 | 29.25 | 25.71    | 25.94  | 25.88  |
| EGPRS(8PSK, 4-Slot)                                                                                                                                                                                                                                                                   | 26.93   | 26.98 | 27.18 | 23.74    | 23.96  | 23.94  |
| Remark: GPRS, CS4 coding scheme. EGPRS, MCS5 coding scheme.<br>Multi-Slot Class 8, Support Max 4 downlink, 1 uplink, 5 working link<br>Multi-Slot Class 10, Support Max 4 downlink, 2 uplink, 5 working link<br>Multi-Slot Class 12, Support Max 4 downlink, 4 uplink, 5 working link |         |       |       |          |        |        |

| Frame- Average Power(dBm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |       |       |          |        |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-------|----------|--------|--------|
| Band                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | GSM 850 |       |       | PCS 1900 |        |        |
| Channel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 128     | 190   | 251   | 512      | 661    | 810    |
| Frequency (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 824.2   | 836.6 | 848.8 | 1850.2   | 1880.0 | 1909.8 |
| GSM(GMSK, 1-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 23.77   | 23.61 | 23.78 | 19.76    | 19.80  | 19.66  |
| GPRS (GMSK, 1-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 23.68   | 23.52 | 23.71 | 19.89    | 19.95  | 19.80  |
| GPRS (GMSK, 2-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 24.80   | 24.81 | 25.02 | 21.78    | 21.97  | 21.90  |
| GPRS (GMSK, 3-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 24.76   | 24.79 | 24.99 | 21.51    | 21.73  | 21.67  |
| GPRS (GMSK, 4-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 23.93   | 23.99 | 24.19 | 20.77    | 21.01  | 20.98  |
| EGPRS(8PSK, 1-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 23.70   | 23.54 | 23.73 | 19.81    | 19.85  | 19.72  |
| EGPRS(8PSK, 2-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 24.81   | 24.83 | 25.01 | 21.71    | 21.90  | 21.84  |
| EGPRS(8PSK, 3-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 24.76   | 24.79 | 24.99 | 21.45    | 21.68  | 21.62  |
| EGPRS(8PSK, 4-Slot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 23.92   | 23.97 | 24.17 | 20.73    | 20.95  | 20.93  |
| Remark :<br>1. SAR testing was performed on the maximum frame-averaged power mode.<br>2. The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum<br>Burst - averaged power based on time slots. The calculated method is shown as below:<br>Frame-averaged power = Burst averaged power (1 TX Slot) – 9.03 dB<br>Frame-averaged power = Burst averaged power (2 TX Slots) – 6.02 dB<br>Frame-averaged power = Burst averaged power (3 TX Slots) - 4.26 dB<br>Frame-averaged power = Burst averaged power (4 TX Slots) – 3.01 dB |         |       |       |          |        |        |

**WCDMA**

| Band            | WCDMA Band 2 |       |        | WCDMA Band 5 |       |       |
|-----------------|--------------|-------|--------|--------------|-------|-------|
| Channel         | 9262         | 9400  | 9538   | 4132         | 4183  | 4233  |
| Frequency (MHz) | 1852.4       | 1880  | 1907.6 | 826.4        | 836.6 | 846.6 |
| RMC 12.2Kbps    | 24.44        | 24.57 | 24.42  | 23.80        | 23.81 | 23.87 |
| HSDPA Subtest-1 | 23.88        | 23.68 | 23.24  | 24.21        | 23.82 | 23.29 |
| HSDPA Subtest-2 | 23.18        | 24.19 | 24.01  | 23.70        | 23.96 | 23.66 |
| HSDPA Subtest-3 | 23.64        | 23.17 | 24.17  | 23.02        | 23.38 | 23.98 |
| HSDPA Subtest-4 | 23.99        | 23.57 | 23.73  | 23.70        | 23.35 | 23.00 |
| HSUPA Subtest-1 | 23.77        | 24.08 | 23.77  | 23.89        | 24.01 | 23.59 |
| HSUPA Subtest-2 | 24.03        | 23.92 | 24.00  | 23.98        | 23.79 | 23.64 |
| HSUPA Subtest-3 | 24.21        | 23.78 | 24.12  | 23.85        | 23.39 | 23.78 |
| HSUPA Subtest-4 | 23.89        | 24.13 | 24.34  | 23.69        | 23.58 | 23.79 |
| HSUPA Subtest-5 | 23.75        | 24.29 | 24.18  | 23.68        | 23.78 | 23.76 |

According to 3GPP 25.101 sub-clause 6.2.2, the maximum output power is allowed to be reduced by following the table.

Table 6.1A: UE maximum output power with HS-DPCCH and E-DCH

| UE Transmit Channel Configuration                                                                                                                                                               | CM(db)               | MPR(db)     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------|
| For all combinations of ,DPDCH,DPCCH HS-DPDCH,E-DPDCH and E-DPCCH                                                                                                                               | $0 \leq CM \leq 3.5$ | MAX(CM-1,0) |
| Note: CM=1 for $\beta_c/\beta_d=12/15$ , $\beta_{hs}/\beta_c=24/15$ . For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference. |                      |             |

The device supports MPR to solve linearity issues (ACLR or SEM) due to the higher peak-to average ratios (PAR) of the HSUPA signal. This prevents saturating the full range of the TX DAC inside of device and provides a reduced power output to the RF transceiver chip according to the Cubic Metric (a function of the combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH).

When E-DPDCH channels are present the beta gains on those channels are reduced firsts to try to get the power under the allowed limit. If the beta gains are lowered as far as possible, then a hard limiting is applied at the maximum allowed level.

The SW currently recalculates the cubic metric every time the beta gains on the E-DPDCH are reduced. The cubic metric will likely get lower each time this is done .However, there is no reported reduction of maximum output power in the HSUPA mode since the device also provides a compensation for the power back-off by increasing the gain of TX\_AGC in the transceiver (PA) device.

The end effect is that the DUT output power is identical to the case where there is no MPR in the device.

**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  $\leq 0.8$  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  $> \text{not } \frac{1}{2}$  dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is  $\leq 1.45$  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  $> \text{not } \frac{1}{2}$  dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is  $\leq 1.45$  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 4 (1710-1755 MHz) is covered by LTE Band66 (1710-1780MHz)
    - . LTE Band 17 (704-716 MHz) is covered by LTE Band 12(699-716MHz)



| LTE Band 2 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                    | 1       | 0         | QPSK   | 23.75  | 23.56  | 23.88   |
| 1.4                                    | 1       | 2         |        | 23.74  | 23.63  | 23.86   |
| 1.4                                    | 1       | 5         |        | 23.75  | 23.64  | 23.92   |
| 1.4                                    | 3       | 0         |        | 23.54  | 23.61  | 23.68   |
| 1.4                                    | 3       | 1         |        | 23.49  | 23.67  | 23.61   |
| 1.4                                    | 3       | 2         |        | 23.48  | 23.62  | 23.74   |
| 1.4                                    | 6       | 0         |        | 22.42  | 22.71  | 22.71   |
| 1.4                                    | 1       | 0         | 16-QAM | 22.62  | 22.65  | 23      |
| 1.4                                    | 1       | 2         |        | 22.58  | 22.66  | 22.98   |
| 1.4                                    | 1       | 5         |        | 22.64  | 22.68  | 22.98   |
| 1.4                                    | 3       | 0         |        | 22.7   | 22.82  | 22.82   |
| 1.4                                    | 3       | 1         |        | 22.63  | 22.72  | 22.81   |
| 1.4                                    | 3       | 2         |        | 22.63  | 22.67  | 22.8    |
| 1.4                                    | 6       | 0         |        | 21.39  | 21.77  | 21.72   |
| 3                                      | 1       | 0         | QPSK   | 23.42  | 23.79  | 23.86   |
| 3                                      | 1       | 7         |        | 23.45  | 23.78  | 23.89   |
| 3                                      | 1       | 14        |        | 23.42  | 23.81  | 23.9    |
| 3                                      | 8       | 0         |        | 22.53  | 22.61  | 22.51   |
| 3                                      | 8       | 4         |        | 22.44  | 22.69  | 22.54   |
| 3                                      | 8       | 7         |        | 22.5   | 22.57  | 22.66   |
| 3                                      | 15      | 0         |        | 22.36  | 22.53  | 22.65   |
| 3                                      | 1       | 0         | 16-QAM | 23.2   | 22.78  | 22.36   |
| 3                                      | 1       | 7         |        | 23.19  | 22.76  | 22.35   |
| 3                                      | 1       | 14        |        | 23.21  | 22.66  | 22.39   |
| 3                                      | 8       | 0         |        | 21.46  | 21.57  | 21.68   |
| 3                                      | 8       | 4         |        | 21.48  | 21.59  | 21.86   |
| 3                                      | 8       | 7         |        | 21.43  | 21.56  | 21.82   |
| 3                                      | 15      | 0         |        | 21.53  | 21.67  | 21.58   |



| LTE Band 2 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                      | 1       | 0         | QPSK   | 23.61  | 23.51  | 23.42   |
| 5                                      | 1       | 12        |        | 23.56  | 23.54  | 23.49   |
| 5                                      | 1       | 24        |        | 23.63  | 23.47  | 23.55   |
| 5                                      | 12      | 0         |        | 22.5   | 22.58  | 22.49   |
| 5                                      | 12      | 6         |        | 22.37  | 22.55  | 22.51   |
| 5                                      | 12      | 11        |        | 22.39  | 22.53  | 22.61   |
| 5                                      | 25      | 0         |        | 22.35  | 22.67  | 22.64   |
| 5                                      | 1       | 0         | 16-QAM | 22.61  | 22.12  | 22.57   |
| 5                                      | 1       | 12        |        | 22.61  | 22.16  | 22.51   |
| 5                                      | 1       | 24        |        | 22.64  | 22.11  | 22.58   |
| 5                                      | 12      | 0         |        | 21.48  | 21.7   | 21.57   |
| 5                                      | 12      | 6         |        | 21.44  | 21.62  | 21.59   |
| 5                                      | 12      | 11        |        | 21.52  | 21.65  | 21.59   |
| 5                                      | 25      | 0         |        | 21.44  | 21.58  | 21.68   |
| 10                                     | 1       | 0         | QPSK   | 23.54  | 23.69  | 23.51   |
| 10                                     | 1       | 24        |        | 23.59  | 23.77  | 23.69   |
| 10                                     | 1       | 49        |        | 23.65  | 23.81  | 23.67   |
| 10                                     | 25      | 0         |        | 22.49  | 22.54  | 22.58   |
| 10                                     | 25      | 12        |        | 22.41  | 22.56  | 22.54   |
| 10                                     | 25      | 24        |        | 22.41  | 22.64  | 22.66   |
| 10                                     | 50      | 0         |        | 22.39  | 22.61  | 22.62   |
| 10                                     | 1       | 0         | 16-QAM | 22.58  | 22.29  | 23.13   |
| 10                                     | 1       | 24        |        | 22.57  | 22.33  | 23.17   |
| 10                                     | 1       | 49        |        | 22.68  | 22.42  | 23.18   |
| 10                                     | 25      | 0         |        | 21.5   | 21.61  | 21.71   |
| 10                                     | 25      | 12        |        | 21.55  | 21.66  | 21.71   |
| 10                                     | 25      | 24        |        | 21.53  | 21.61  | 21.76   |
| 10                                     | 50      | 0         |        | 21.42  | 21.62  | 21.68   |



| LTE Band 2 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                     | 1       | 0         | QPSK   | 23.64  | 23.4   | 23.78   |
| 15                                     | 1       | 37        |        | 23.71  | 23.39  | 23.64   |
| 15                                     | 1       | 74        |        | 23.69  | 23.52  | 23.79   |
| 15                                     | 36      | 0         |        | 22.39  | 22.6   | 22.58   |
| 15                                     | 36      | 18        |        | 22.4   | 22.66  | 22.55   |
| 15                                     | 36      | 39        |        | 22.37  | 22.53  | 22.55   |
| 15                                     | 75      | 0         |        | 22.44  | 22.58  | 22.52   |
| 15                                     | 1       | 0         | 16-QAM | 22.21  | 23.23  | 22.45   |
| 15                                     | 1       | 38        |        | 22.19  | 23.25  | 22.51   |
| 15                                     | 1       | 75        |        | 22.17  | 23.25  | 22.55   |
| 15                                     | 36      | 0         |        | 21.56  | 21.63  | 21.58   |
| 15                                     | 36      | 18        |        | 21.5   | 21.62  | 21.65   |
| 15                                     | 36      | 39        |        | 21.57  | 21.66  | 21.55   |
| 15                                     | 75      | 0         |        | 21.43  | 21.64  | 21.74   |
| 20                                     | 1       | 0         | QPSK   | 23.55  | 23.65  | 23.69   |
| 20                                     | 1       | 49        |        | 23.64  | 23.68  | 23.72   |
| 20                                     | 1       | 99        |        | 23.66  | 24.05  | 23.81   |
| 20                                     | 50      | 0         |        | 22.48  | 22.53  | 22.58   |
| 20                                     | 50      | 24        |        | 22.47  | 22.64  | 22.56   |
| 20                                     | 50      | 49        |        | 22.37  | 22.55  | 22.54   |
| 20                                     | 100     | 0         |        | 22.47  | 22.51  | 22.52   |
| 20                                     | 1       | 0         | 16-QAM | 22.92  | 22.2   | 22.99   |
| 20                                     | 1       | 49        |        | 22.95  | 22.29  | 22.73   |
| 20                                     | 1       | 99        |        | 23.05  | 23.26  | 22.85   |
| 20                                     | 50      | 0         |        | 21.47  | 21.68  | 21.77   |
| 20                                     | 50      | 24        |        | 21.49  | 21.73  | 21.79   |
| 20                                     | 50      | 49        |        | 21.52  | 21.68  | 21.67   |
| 20                                     | 100     | 0         |        | 21.46  | 21.62  | 21.66   |



| LTE Band 4 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                    | 1       | 0         | QPSK   | 23.66  | 23.3   | 23.43   |
| 1.4                                    | 1       | 2         |        | 23.72  | 23.39  | 23.4    |
| 1.4                                    | 1       | 5         |        | 23.72  | 23.25  | 23.37   |
| 1.4                                    | 3       | 0         |        | 23.31  | 23.32  | 23.33   |
| 1.4                                    | 3       | 1         |        | 23.33  | 23.38  | 23.36   |
| 1.4                                    | 3       | 2         |        | 23.37  | 23.34  | 23.35   |
| 1.4                                    | 6       | 0         |        | 21.75  | 21.74  | 21.8    |
| 1.4                                    | 1       | 0         | 16-QAM | 23.01  | 23.1   | 22.73   |
| 1.4                                    | 1       | 2         |        | 23.13  | 23.12  | 22.71   |
| 1.4                                    | 1       | 5         |        | 23.1   | 23.09  | 22.77   |
| 1.4                                    | 3       | 0         |        | 22.26  | 22.3   | 22.31   |
| 1.4                                    | 3       | 1         |        | 22.28  | 22.38  | 22.33   |
| 1.4                                    | 3       | 2         |        | 22.28  | 22.36  | 22.34   |
| 1.4                                    | 6       | 0         |        | 21.42  | 21.51  | 21.38   |
| 3                                      | 1       | 0         | QPSK   | 23.62  | 23.28  | 23.43   |
| 3                                      | 1       | 7         |        | 23.7   | 23.36  | 23.43   |
| 3                                      | 1       | 14        |        | 23.67  | 23.34  | 23.39   |
| 3                                      | 8       | 0         |        | 21.83  | 21.86  | 21.85   |
| 3                                      | 8       | 4         |        | 21.76  | 21.77  | 21.83   |
| 3                                      | 8       | 7         |        | 21.72  | 21.8   | 21.83   |
| 3                                      | 15      | 0         |        | 21.72  | 21.76  | 21.9    |
| 3                                      | 1       | 0         | 16-QAM | 22     | 23.11  | 22.76   |
| 3                                      | 1       | 7         |        | 22     | 23.09  | 22.79   |
| 3                                      | 1       | 14        |        | 22.06  | 23.1   | 22.79   |
| 3                                      | 8       | 0         |        | 21.5   | 21.32  | 21.37   |
| 3                                      | 8       | 4         |        | 21.54  | 21.34  | 21.39   |
| 3                                      | 8       | 7         |        | 21.53  | 21.34  | 21.4    |
| 3                                      | 15      | 0         |        | 21.22  | 21.45  | 21.46   |



| LTE Band 4 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                      | 1       | 0         | QPSK   | 23.25  | 23.55  | 23.29   |
| 5                                      | 1       | 12        |        | 23.27  | 23.53  | 23.29   |
| 5                                      | 1       | 24        |        | 23.24  | 23.51  | 23.26   |
| 5                                      | 12      | 0         |        | 21.75  | 21.85  | 21.84   |
| 5                                      | 12      | 6         |        | 21.8   | 21.76  | 21.86   |
| 5                                      | 12      | 11        |        | 21.71  | 21.77  | 21.81   |
| 5                                      | 25      | 0         |        | 21.78  | 21.86  | 21.82   |
| 5                                      | 1       | 0         | 16-QAM | 22.27  | 22.52  | 21.76   |
| 5                                      | 1       | 12        |        | 22.25  | 22.55  | 21.86   |
| 5                                      | 1       | 24        |        | 22.28  | 22.58  | 21.81   |
| 5                                      | 12      | 0         |        | 21.35  | 21.33  | 21.42   |
| 5                                      | 12      | 6         |        | 21.34  | 21.33  | 21.41   |
| 5                                      | 12      | 11        |        | 21.33  | 21.38  | 21.38   |
| 5                                      | 25      | 0         |        | 21.42  | 21.33  | 21.2    |
| 10                                     | 1       | 0         | QPSK   | 23.56  | 23.32  | 23.48   |
| 10                                     | 1       | 24        |        | 23.56  | 23.4   | 23.53   |
| 10                                     | 1       | 49        |        | 23.53  | 23.38  | 23.47   |
| 10                                     | 25      | 0         |        | 21.84  | 21.84  | 21.83   |
| 10                                     | 25      | 12        |        | 21.8   | 21.78  | 21.81   |
| 10                                     | 25      | 24        |        | 21.82  | 21.86  | 21.8    |
| 10                                     | 50      | 0         |        | 21.77  | 21.79  | 21.89   |
| 10                                     | 1       | 0         | 16-QAM | 22.1   | 22.84  | 22.76   |
| 10                                     | 1       | 24        |        | 22.14  | 22.86  | 22.76   |
| 10                                     | 1       | 49        |        | 22.17  | 22.85  | 22.79   |
| 10                                     | 25      | 0         |        | 21.4   | 21.45  | 21.4    |
| 10                                     | 25      | 12        |        | 21.34  | 21.5   | 21.38   |
| 10                                     | 25      | 24        |        | 21.41  | 21.86  | 21.42   |
| 10                                     | 50      | 0         |        | 21.39  | 21.46  | 21.4    |



| LTE Band 4 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                     | 1       | 0         | QPSK   | 23.56  | 23.31  | 23.31   |
| 15                                     | 1       | 37        |        | 23.5   | 23.35  | 23.35   |
| 15                                     | 1       | 74        |        | 23.55  | 23.42  | 23.42   |
| 15                                     | 36      | 0         |        | 21.81  | 21.81  | 21.81   |
| 15                                     | 36      | 18        |        | 21.85  | 21.89  | 21.89   |
| 15                                     | 36      | 39        |        | 21.78  | 21.81  | 21.81   |
| 15                                     | 75      | 0         |        | 21.78  | 21.87  | 21.87   |
| 15                                     | 1       | 0         | 16-QAM | 22.12  | 22.88  | 22.88   |
| 15                                     | 1       | 38        |        | 22.14  | 22.83  | 22.83   |
| 15                                     | 1       | 75        |        | 22.17  | 22.91  | 22.91   |
| 15                                     | 36      | 0         |        | 21.41  | 21.36  | 21.36   |
| 15                                     | 36      | 18        |        | 21.45  | 21.4   | 21.4    |
| 15                                     | 36      | 39        |        | 21.42  | 21.38  | 21.38   |
| 15                                     | 75      | 0         |        | 21.35  | 21.4   | 21.4    |
| 20                                     | 1       | 0         | QPSK   | 23.44  | 23.44  | 23.35   |
| 20                                     | 1       | 49        |        | 23.43  | 23.53  | 23.39   |
| 20                                     | 1       | 99        |        | 23.76  | 23.6   | 23.42   |
| 20                                     | 50      | 0         |        | 21.83  | 21.76  | 21.92   |
| 20                                     | 50      | 24        |        | 21.79  | 21.86  | 21.91   |
| 20                                     | 50      | 49        |        | 21.78  | 21.82  | 21.84   |
| 20                                     | 100     | 0         |        | 21.85  | 21.84  | 21.8    |
| 20                                     | 1       | 0         | 16-QAM | 22.46  | 23.11  | 22.09   |
| 20                                     | 1       | 49        |        | 22.53  | 23.1   | 22.11   |
| 20                                     | 1       | 99        |        | 22.81  | 23.11  | 22.14   |
| 20                                     | 50      | 0         |        | 21.45  | 21.44  | 21.43   |
| 20                                     | 50      | 24        |        | 21.4   | 21.41  | 21.41   |
| 20                                     | 50      | 49        |        | 21.43  | 21.44  | 21.38   |
| 20                                     | 100     | 0         |        | 21.38  | 21.4   | 21.43   |



| LTE Band 5 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                    | 1       | 0         | QPSK   | 23.55  | 23.42  | 23.43   |
| 1.4                                    | 1       | 2         |        | 23.57  | 23.1   | 23.39   |
| 1.4                                    | 1       | 5         |        | 23.41  | 23.1   | 23.32   |
| 1.4                                    | 3       | 0         |        | 23.24  | 23.17  | 23.39   |
| 1.4                                    | 3       | 1         |        | 23.28  | 23.22  | 23.24   |
| 1.4                                    | 3       | 2         |        | 23.17  | 23.23  | 23.26   |
| 1.4                                    | 6       | 0         |        | 22.66  | 22.26  | 22.83   |
| 1.4                                    | 1       | 0         | 16-QAM | 22.87  | 23.17  | 22.39   |
| 1.4                                    | 1       | 2         |        | 22.88  | 22.88  | 22.89   |
| 1.4                                    | 1       | 5         |        | 22.81  | 22.84  | 22.85   |
| 1.4                                    | 3       | 0         |        | 22.75  | 22.14  | 22.21   |
| 1.4                                    | 3       | 1         |        | 22.69  | 22.22  | 22.69   |
| 1.4                                    | 3       | 2         |        | 22.59  | 22.18  | 22.82   |
| 1.4                                    | 6       | 0         |        | 21.42  | 21.55  | 21.69   |
| 3                                      | 1       | 0         | QPSK   | 23.38  | 23.49  | 23.48   |
| 3                                      | 1       | 7         |        | 23.41  | 23.08  | 23.5    |
| 3                                      | 1       | 14        |        | 23.39  | 23.13  | 23.38   |
| 3                                      | 8       | 0         |        | 22.5   | 22.37  | 22.24   |
| 3                                      | 8       | 4         |        | 22.48  | 22.12  | 22.13   |
| 3                                      | 8       | 7         |        | 22.12  | 22.11  | 22.63   |
| 3                                      | 15      | 0         |        | 22.6   | 22.28  | 22.25   |
| 3                                      | 1       | 0         | 16-QAM | 22.35  | 23.16  | 22.56   |
| 3                                      | 1       | 7         |        | 22.28  | 22.89  | 22.59   |
| 3                                      | 1       | 14        |        | 21.94  | 22.85  | 22.93   |
| 3                                      | 8       | 0         |        | 21.46  | 21.51  | 21.53   |
| 3                                      | 8       | 4         |        | 21.44  | 21.6   | 21.44   |
| 3                                      | 8       | 7         |        | 21.48  | 21.59  | 21.54   |
| 3                                      | 15      | 0         |        | 21.66  | 21.6   | 21.67   |



| LTE Band 5 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                      | 1       | 0         | QPSK   | 23.21  | 23.66  | 23.33   |
| 5                                      | 1       | 12        |        | 23.17  | 23.27  | 23.2    |
| 5                                      | 1       | 24        |        | 23.14  | 23.28  | 23.16   |
| 5                                      | 12      | 0         |        | 22.52  | 22.57  | 22.33   |
| 5                                      | 12      | 6         |        | 22.14  | 22.12  | 22.21   |
| 5                                      | 12      | 11        |        | 22     | 22.25  | 22.14   |
| 5                                      | 25      | 0         |        | 22.09  | 22.19  | 22.22   |
| 5                                      | 1       | 0         | 16-QAM | 22.96  | 22.69  | 21.84   |
| 5                                      | 1       | 12        |        | 22.26  | 22.31  | 21.77   |
| 5                                      | 1       | 24        |        | 22.45  | 22.4   | 22.21   |
| 5                                      | 12      | 0         |        | 21.44  | 21.62  | 21.66   |
| 5                                      | 12      | 6         |        | 21.45  | 21.72  | 21.64   |
| 5                                      | 12      | 11        |        | 21.44  | 21.73  | 21.7    |
| 5                                      | 25      | 0         |        | 21.61  | 21.56  | 21.47   |
| 10                                     | 1       | 0         | QPSK   | 23.46  | 23.06  | 23.36   |
| 10                                     | 1       | 24        |        | 23.68  | 23.18  | 23.22   |
| 10                                     | 1       | 49        |        | 23.33  | 23.16  | 23.41   |
| 10                                     | 25      | 0         |        | 22.09  | 22.59  | 22.1    |
| 10                                     | 25      | 12        |        | 22.14  | 22.13  | 22.67   |
| 10                                     | 25      | 24        |        | 22.65  | 22.3   | 22.25   |
| 10                                     | 50      | 0         |        | 22.15  | 22.11  | 22.73   |
| 10                                     | 1       | 0         | 16-QAM | 22.28  | 22.96  | 22.18   |
| 10                                     | 1       | 24        |        | 21.8   | 22.72  | 22.64   |
| 10                                     | 1       | 49        |        | 21.74  | 22.72  | 22.7    |
| 10                                     | 25      | 0         |        | 21.59  | 21.7   | 21.68   |
| 10                                     | 25      | 12        |        | 21.65  | 21.76  | 21.72   |
| 10                                     | 25      | 24        |        | 21.58  | 21.77  | 21.79   |
| 10                                     | 50      | 0         |        | 21.59  | 21.7   | 21.62   |



| LTE Band 7 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                      | 1       | 0         | QPSK   | 22.63  | 22.91  | 22.11   |
| 5                                      | 1       | 12        |        | 22.63  | 23.09  | 22.46   |
| 5                                      | 1       | 24        |        | 22.77  | 23.08  | 21.78   |
| 5                                      | 12      | 0         |        | 21.75  | 21.97  | 21.77   |
| 5                                      | 12      | 6         |        | 21.76  | 21.95  | 21.72   |
| 5                                      | 12      | 11        |        | 21.85  | 21.88  | 21.8    |
| 5                                      | 25      | 0         |        | 21.83  | 21.95  | 21.68   |
| 5                                      | 1       | 0         | 16-QAM | 22.12  | 22.49  | 21.93   |
| 5                                      | 1       | 12        |        | 22.19  | 22.45  | 22      |
| 5                                      | 1       | 24        |        | 22.24  | 22.44  | 21.71   |
| 5                                      | 12      | 0         |        | 20.75  | 21.13  | 20.79   |
| 5                                      | 12      | 6         |        | 20.84  | 21.01  | 20.84   |
| 5                                      | 12      | 11        |        | 20.75  | 21.13  | 20.86   |
| 5                                      | 25      | 0         |        | 20.96  | 20.98  | 20.76   |
| 10                                     | 1       | 0         | QPSK   | 22.98  | 22.94  | 21.99   |
| 10                                     | 1       | 24        |        | 23.08  | 22.95  | 22.42   |
| 10                                     | 1       | 49        |        | 23.09  | 22.98  | 22.16   |
| 10                                     | 25      | 0         |        | 21.84  | 22.06  | 21.86   |
| 10                                     | 25      | 12        |        | 21.86  | 21.95  | 21.82   |
| 10                                     | 25      | 24        |        | 21.93  | 21.96  | 21.79   |
| 10                                     | 50      | 0         |        | 21.98  | 21.96  | 21.86   |
| 10                                     | 1       | 0         | 16-QAM | 22.05  | 22.9   | 22.07   |
| 10                                     | 1       | 24        |        | 22.22  | 23.11  | 22.45   |
| 10                                     | 1       | 49        |        | 22.18  | 23.07  | 22.01   |
| 10                                     | 25      | 0         |        | 20.84  | 21.14  | 20.94   |
| 10                                     | 25      | 12        |        | 20.95  | 21.16  | 20.89   |
| 10                                     | 25      | 24        |        | 20.98  | 21.15  | 20.91   |
| 10                                     | 50      | 0         |        | 20.9   | 21.09  | 20.81   |



| LTE Band 7 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                     | 1       | 0         | QPSK   | 22.84  | 22.92  | 22.58   |
| 15                                     | 1       | 37        |        | 22.9   | 22.88  | 22.22   |
| 15                                     | 1       | 74        |        | 22.96  | 23.02  | 22.16   |
| 15                                     | 36      | 0         |        | 21.95  | 22.03  | 21.84   |
| 15                                     | 36      | 18        |        | 21.85  | 21.96  | 21.77   |
| 15                                     | 36      | 39        |        | 21.74  | 22.07  | 21.78   |
| 15                                     | 75      | 0         |        | 21.85  | 21.91  | 21.97   |
| 15                                     | 1       | 0         | 16-QAM | 22.11  | 22.95  | 22.2    |
| 15                                     | 1       | 37        |        | 22.2   | 23.31  | 22.06   |
| 15                                     | 1       | 74        |        | 22.18  | 23.28  | 21.74   |
| 15                                     | 36      | 0         |        | 20.99  | 21.08  | 20.81   |
| 15                                     | 36      | 18        |        | 20.88  | 21.14  | 20.9    |
| 15                                     | 36      | 39        |        | 20.89  | 21.2   | 20.84   |
| 15                                     | 75      | 0         |        | 20.87  | 20.88  | 20.94   |
| 20                                     | 1       | 0         | QPSK   | 22.75  | 23     | 23.02   |
| 20                                     | 1       | 49        |        | 22.8   | 23.36  | 22.46   |
| 20                                     | 1       | 99        |        | 22.84  | 23.08  | 22.92   |
| 20                                     | 50      | 0         |        | 21.89  | 21.92  | 21.91   |
| 20                                     | 50      | 24        |        | 21.79  | 21.94  | 21.79   |
| 20                                     | 50      | 49        |        | 21.9   | 22.05  | 21.81   |
| 20                                     | 100     | 0         |        | 21.86  | 21.97  | 21.95   |
| 20                                     | 1       | 0         | 16-QAM | 22.46  | 22.64  | 22.71   |
| 20                                     | 1       | 49        |        | 22.59  | 22.62  | 22.42   |
| 20                                     | 1       | 99        |        | 22.67  | 22.72  | 22.55   |
| 20                                     | 50      | 0         |        | 20.94  | 21.06  | 21.01   |
| 20                                     | 50      | 24        |        | 20.85  | 21.03  | 20.99   |
| 20                                     | 50      | 49        |        | 20.96  | 21.07  | 20.96   |
| 20                                     | 100     | 0         |        | 20.82  | 21.03  | 20.89   |



| LTE Band 12 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                     | 1       | 0         | QPSK   | 23.49  | 23.3   | 23.6    |
| 1.4                                     | 1       | 2         |        | 23.45  | 23.38  | 23.6    |
| 1.4                                     | 1       | 5         |        | 23.45  | 23.28  | 23.53   |
| 1.4                                     | 3       | 0         |        | 23.31  | 23.37  | 23.38   |
| 1.4                                     | 3       | 1         |        | 23.33  | 23.41  | 23.38   |
| 1.4                                     | 3       | 2         |        | 23.44  | 23.36  | 23.4    |
| 1.4                                     | 6       | 0         |        | 22.57  | 22.44  | 22.3    |
| 1.4                                     | 1       | 0         | 16-QAM | 22.63  | 22.83  | 22.93   |
| 1.4                                     | 1       | 2         |        | 22.73  | 22.96  | 22.56   |
| 1.4                                     | 1       | 5         |        | 22.63  | 22.99  | 22.55   |
| 1.4                                     | 3       | 0         |        | 22.51  | 22.3   | 22.79   |
| 1.4                                     | 3       | 1         |        | 22.45  | 22.24  | 22.37   |
| 1.4                                     | 3       | 2         |        | 22.43  | 22.27  | 22.42   |
| 1.4                                     | 6       | 0         |        | 21.26  | 21.78  | 21.73   |
| 3                                       | 1       | 0         | QPSK   | 23.33  | 23.78  | 23.51   |
| 3                                       | 1       | 7         |        | 23.28  | 23.71  | 23.4    |
| 3                                       | 1       | 14        |        | 23.22  | 23.73  | 23.43   |
| 3                                       | 8       | 0         |        | 22.49  | 22.16  | 22.76   |
| 3                                       | 8       | 4         |        | 22.46  | 22.43  | 22.66   |
| 3                                       | 8       | 7         |        | 22.3   | 22.37  | 22.29   |
| 3                                       | 15      | 0         |        | 22.55  | 22.38  | 22.78   |
| 3                                       | 1       | 0         | 16-QAM | 23.01  | 22.58  | 22.41   |
| 3                                       | 1       | 7         |        | 23.07  | 22.71  | 22.42   |
| 3                                       | 1       | 14        |        | 22.94  | 22.7   | 22      |
| 3                                       | 8       | 0         |        | 21.34  | 21.25  | 21.91   |
| 3                                       | 8       | 4         |        | 21.33  | 21.74  | 21.95   |
| 3                                       | 8       | 7         |        | 21.78  | 21.69  | 21.85   |
| 3                                       | 15      | 0         |        | 21.4   | 21.67  | 21.64   |



| LTE Band 12 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                       | 1       | 0         | QPSK   | 23.38  | 23.56  | 23.34   |
| 5                                       | 1       | 12        |        | 23.25  | 23.48  | 23.3    |
| 5                                       | 1       | 24        |        | 23.5   | 23.53  | 23.35   |
| 5                                       | 12      | 0         |        | 22.48  | 22.2   | 22.77   |
| 5                                       | 12      | 6         |        | 22.3   | 22.49  | 22.83   |
| 5                                       | 12      | 11        |        | 22.22  | 22.44  | 22.79   |
| 5                                       | 25      | 0         |        | 22.27  | 22.51  | 22.68   |
| 5                                       | 1       | 0         | 16-QAM | 22.72  | 22.13  | 22.3    |
| 5                                       | 1       | 12        |        | 22.6   | 22.42  | 22.35   |
| 5                                       | 1       | 24        |        | 22.63  | 22.17  | 21.94   |
| 5                                       | 12      | 0         |        | 21.26  | 21.3   | 21.76   |
| 5                                       | 12      | 6         |        | 21.58  | 21.86  | 21.8    |
| 5                                       | 12      | 11        |        | 21.61  | 21.81  | 21.77   |
| 5                                       | 25      | 0         |        | 21.84  | 21.73  | 21.76   |
| 10                                      | 1       | 0         | QPSK   | 23.48  | 23.17  | 23.55   |
| 10                                      | 1       | 24        |        | 23.8   | 23.28  | 23.53   |
| 10                                      | 1       | 49        |        | 23.63  | 23.37  | 23.6    |
| 10                                      | 25      | 0         |        | 22.3   | 22.34  | 22.42   |
| 10                                      | 25      | 12        |        | 22.32  | 22.46  | 22.26   |
| 10                                      | 25      | 24        |        | 22.36  | 22.45  | 22.8    |
| 10                                      | 50      | 0         |        | 22.31  | 22.41  | 22.19   |
| 10                                      | 1       | 0         | 16-QAM | 22.18  | 22.8   | 22.48   |
| 10                                      | 1       | 24        |        | 22.03  | 22.87  | 22.49   |
| 10                                      | 1       | 49        |        | 22.12  | 23.24  | 22.51   |
| 10                                      | 25      | 0         |        | 21.77  | 21.44  | 21.76   |
| 10                                      | 25      | 12        |        | 21.43  | 21.86  | 21.26   |
| 10                                      | 25      | 24        |        | 21.43  | 21.27  | 21.87   |
| 10                                      | 50      | 0         |        | 21.4   | 21.81  | 21.3    |



| LTE Band 13 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                       | 1       | 0         | QPSK   | 23.25  | 23.3   | 23.16   |
| 5                                       | 1       | 12        |        | 23.16  | 23.33  | 23.11   |
| 5                                       | 1       | 24        |        | 23.15  | 23.2   | 23.18   |
| 5                                       | 12      | 0         |        | 22.45  | 22.13  | 22.34   |
| 5                                       | 12      | 6         |        | 22.29  | 22.34  | 22.41   |
| 5                                       | 12      | 11        |        | 22.19  | 22.36  | 22.26   |
| 5                                       | 25      | 0         |        | 22.28  | 22.25  | 22.19   |
| 5                                       | 1       | 0         | 16-QAM | 22.27  | 22.4   | 21.77   |
| 5                                       | 1       | 12        |        | 22.22  | 22.36  | 21.85   |
| 5                                       | 1       | 24        |        | 22.27  | 22.4   | 21.72   |
| 5                                       | 12      | 0         |        | 21.32  | 21.32  | 21.53   |
| 5                                       | 12      | 6         |        | 21.27  | 21.48  | 21.45   |
| 5                                       | 12      | 11        |        | 21.25  | 21.51  | 21.55   |
| 5                                       | 25      | 0         |        | 21.38  | 21.49  | 21.33   |
| 10                                      | 1       | 0         | QPSK   | N/A    | 23.43  | N/A     |
| 10                                      | 1       | 24        |        | N/A    | 23.18  | N/A     |
| 10                                      | 1       | 49        |        | N/A    | 23.35  | N/A     |
| 10                                      | 25      | 0         |        | N/A    | 22.31  | N/A     |
| 10                                      | 25      | 12        |        | N/A    | 22.37  | N/A     |
| 10                                      | 25      | 24        |        | N/A    | 22.35  | N/A     |
| 10                                      | 50      | 0         |        | N/A    | 22.19  | N/A     |
| 10                                      | 1       | 0         | 16-QAM | N/A    | 22.74  | N/A     |
| 10                                      | 1       | 24        |        | N/A    | 22.78  | N/A     |
| 10                                      | 1       | 49        |        | N/A    | 22.62  | N/A     |
| 10                                      | 25      | 0         |        | N/A    | 21.44  | N/A     |
| 10                                      | 25      | 12        |        | N/A    | 21.7   | N/A     |
| 10                                      | 25      | 24        |        | N/A    | 21.67  | N/A     |
| 10                                      | 50      | 0         |        | N/A    | 21.59  | N/A     |



| LTE Band 17 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                       | 1       | 0         | QPSK   | 23.35  | 23.55  | 23.41   |
| 5                                       | 1       | 12        |        | 23.34  | 23.53  | 23.33   |
| 5                                       | 1       | 24        |        | 23.35  | 23.64  | 23.41   |
| 5                                       | 12      | 0         |        | 22.35  | 22.5   | 22.78   |
| 5                                       | 12      | 6         |        | 22.26  | 22.41  | 22.85   |
| 5                                       | 12      | 11        |        | 22.45  | 22.79  | 22.77   |
| 5                                       | 25      | 0         |        | 22.31  | 22.28  | 22.79   |
| 5                                       | 1       | 0         | 16-QAM | 22.18  | 22.37  | 22.32   |
| 5                                       | 1       | 12        |        | 22.19  | 22.1   | 22.4    |
| 5                                       | 1       | 24        |        | 22.32  | 22.69  | 21.96   |
| 5                                       | 12      | 0         |        | 21.36  | 21.81  | 21.81   |
| 5                                       | 12      | 6         |        | 21.34  | 21.34  | 21.87   |
| 5                                       | 12      | 11        |        | 21.67  | 21.93  | 21.77   |
| 5                                       | 25      | 0         |        | 21.47  | 21.23  | 21.66   |
| 10                                      | 1       | 0         | QPSK   | 23.61  | 23.34  | 23.65   |
| 10                                      | 1       | 24        |        | 23.57  | 23.25  | 23.55   |
| 10                                      | 1       | 49        |        | 23.66  | 23.36  | 23.60   |
| 10                                      | 25      | 0         |        | 22.23  | 22.44  | 22.42   |
| 10                                      | 25      | 12        |        | 22.50  | 22.40  | 22.37   |
| 10                                      | 25      | 24        |        | 22.84  | 22.94  | 22.86   |
| 10                                      | 50      | 0         |        | 22.50  | 22.37  | 22.19   |
| 10                                      | 1       | 0         | 16-QAM | 22.00  | 22.87  | 22.48   |
| 10                                      | 1       | 24        |        | 22.07  | 22.85  | 22.50   |
| 10                                      | 1       | 49        |        | 22.55  | 23.33  | 22.62   |
| 10                                      | 25      | 0         |        | 21.42  | 21.93  | 21.81   |
| 10                                      | 25      | 12        |        | 21.85  | 21.33  | 21.26   |
| 10                                      | 25      | 24        |        | 21.85  | 21.96  | 21.89   |
| 10                                      | 50      | 0         |        | 21.81  | 21.33  | 21.35   |



| LTE Band 26 Part90-814-824M Maximum Average Power [dBm] |         |           |        |        |        |         |
|---------------------------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                                     | 1       | 0         | QPSK   | 23.13  | 23.52  | 23.55   |
| 1.4                                                     | 1       | 2         |        | 23.13  | 23.43  | 23.53   |
| 1.4                                                     | 1       | 5         |        | 23.03  | 23.46  | 23.47   |
| 1.4                                                     | 3       | 0         |        | 23.29  | 23.33  | 23.24   |
| 1.4                                                     | 3       | 1         |        | 23.36  | 23.41  | 23.27   |
| 1.4                                                     | 3       | 2         |        | 23.32  | 23.38  | 23.28   |
| 1.4                                                     | 6       | 0         |        | 21.87  | 22.41  | 21.8    |
| 1.4                                                     | 1       | 0         | 16-QAM | 23.03  | 22.98  | 22.87   |
| 1.4                                                     | 1       | 2         |        | 23.09  | 22.93  | 22.83   |
| 1.4                                                     | 1       | 5         |        | 23.03  | 22.97  | 22.86   |
| 1.4                                                     | 3       | 0         |        | 22.23  | 22.84  | 22.1    |
| 1.4                                                     | 3       | 1         |        | 22.16  | 22.75  | 22.12   |
| 1.4                                                     | 3       | 2         |        | 22.13  | 22.74  | 22.12   |
| 1.4                                                     | 6       | 0         |        | 21.45  | 21.57  | 21.39   |
| 3                                                       | 1       | 0         | QPSK   | 23.12  | 23.6   | 23.42   |
| 3                                                       | 1       | 7         |        | 23.13  | 23.57  | 23.62   |
| 3                                                       | 1       | 14        |        | 23.12  | 23.52  | 23.58   |
| 3                                                       | 8       | 0         |        | 21.96  | 22.23  | 21.83   |
| 3                                                       | 8       | 4         |        | 21.88  | 22.17  | 21.78   |
| 3                                                       | 8       | 7         |        | 21.91  | 22.24  | 21.84   |
| 3                                                       | 15      | 0         |        | 21.95  | 22.31  | 21.9    |
| 3                                                       | 1       | 0         | 16-QAM | 23.1   | 22.65  | 22.02   |
| 3                                                       | 1       | 7         |        | 23.07  | 23.01  | 21.98   |
| 3                                                       | 1       | 14        |        | 23.15  | 22.69  | 22.05   |
| 3                                                       | 8       | 0         |        | 21.35  | 21.46  | 21.3    |
| 3                                                       | 8       | 4         |        | 21.34  | 21.65  | 21.41   |
| 3                                                       | 8       | 7         |        | 21.31  | 21.6   | 21.42   |
| 3                                                       | 15      | 0         |        | 21.51  | 21.71  | 21.18   |



| LTE Band 26 Part22-824-849M Maximum Average Power [dBm] |         |           |        |        |        |         |
|---------------------------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                                       | 1       | 0         | QPSK   | 23.17  | 23.4   | 23.26   |
| 5                                                       | 1       | 12        |        | 23.25  | 23.35  | 23.19   |
| 5                                                       | 1       | 24        |        | 23.3   | 23.42  | 23.21   |
| 5                                                       | 12      | 0         |        | 21.9   | 21.71  | 21.93   |
| 5                                                       | 12      | 6         |        | 21.88  | 22.2   | 21.77   |
| 5                                                       | 12      | 11        |        | 21.8   | 21.88  | 21.88   |
| 5                                                       | 25      | 0         |        | 21.88  | 22.23  | 21.85   |
| 5                                                       | 1       | 0         | 16-QAM | 22.19  | 22.39  | 22.17   |
| 5                                                       | 1       | 12        |        | 22.28  | 22.75  | 21.91   |
| 5                                                       | 1       | 24        |        | 22.61  | 22.43  | 21.78   |
| 5                                                       | 12      | 0         |        | 21.32  | 21.31  | 21.23   |
| 5                                                       | 12      | 6         |        | 21.2   | 21.7   | 21.23   |
| 5                                                       | 12      | 11        |        | 21.23  | 21.28  | 21.34   |
| 5                                                       | 25      | 0         |        | 21.39  | 21.68  | 21.05   |
| 10                                                      | 1       | 0         | QPSK   | N/A    | 23.63  | N/A     |
| 10                                                      | 1       | 24        |        | N/A    | 23.56  | N/A     |
| 10                                                      | 1       | 49        |        | N/A    | 23.48  | N/A     |
| 10                                                      | 25      | 0         |        | N/A    | 21.79  | N/A     |
| 10                                                      | 25      | 12        |        | N/A    | 22.15  | N/A     |
| 10                                                      | 25      | 24        |        | N/A    | 21.89  | N/A     |
| 10                                                      | 50      | 0         |        | N/A    | 22.25  | N/A     |
| 10                                                      | 1       | 0         | 16-QAM | N/A    | 22.02  | N/A     |
| 10                                                      | 1       | 24        |        | N/A    | 22.45  | N/A     |
| 10                                                      | 1       | 49        |        | N/A    | 21.98  | N/A     |
| 10                                                      | 25      | 0         |        | N/A    | 21.28  | N/A     |
| 10                                                      | 25      | 12        |        | N/A    | 21.74  | N/A     |
| 10                                                      | 25      | 24        |        | N/A    | 21.3   | N/A     |
| 10                                                      | 50      | 0         |        | N/A    | 21.69  | N/A     |



| LTE Band 26 Part22-824-849M Maximum Average Power [dBm] |         |           |        |        |        |         |
|---------------------------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                                     | 1       | 0         | QPSK   | 23.61  | 23.18  | 23.63   |
| 1.4                                                     | 1       | 2         |        | 23.56  | 23.55  | 23.51   |
| 1.4                                                     | 1       | 5         |        | 23.5   | 23.57  | 23.55   |
| 1.4                                                     | 3       | 0         |        | 23.28  | 23.62  | 23.41   |
| 1.4                                                     | 3       | 1         |        | 23.31  | 23.68  | 23.43   |
| 1.4                                                     | 3       | 2         |        | 23.23  | 23.66  | 23.44   |
| 1.4                                                     | 6       | 0         |        | 21.77  | 22.14  | 21.81   |
| 1.4                                                     | 1       | 0         | 16-QAM | 22.92  | 22.69  | 22.57   |
| 1.4                                                     | 1       | 2         |        | 22.97  | 23.2   | 22.58   |
| 1.4                                                     | 1       | 5         |        | 22.97  | 23.21  | 22.55   |
| 1.4                                                     | 3       | 0         |        | 22.08  | 22.67  | 22.42   |
| 1.4                                                     | 3       | 1         |        | 22.08  | 22.67  | 22.42   |
| 1.4                                                     | 3       | 2         |        | 22.17  | 22.66  | 22.37   |
| 1.4                                                     | 6       | 0         |        | 21.33  | 21.9   | 21.25   |
| 3                                                       | 1       | 0         | QPSK   | 23.58  | 23.18  | 23.68   |
| 3                                                       | 1       | 7         |        | 23.57  | 23.6   | 23.48   |
| 3                                                       | 1       | 14        |        | 23.48  | 23.59  | 23.52   |
| 3                                                       | 8       | 0         |        | 21.84  | 21.9   | 21.67   |
| 3                                                       | 8       | 4         |        | 21.82  | 22.3   | 21.72   |
| 3                                                       | 8       | 7         |        | 22.19  | 22.29  | 21.88   |
| 3                                                       | 15      | 0         |        | 21.79  | 22.25  | 21.79   |
| 3                                                       | 1       | 0         | 16-QAM | 21.96  | 22.98  | 22.61   |
| 3                                                       | 1       | 7         |        | 22.01  | 23.31  | 22.61   |
| 3                                                       | 1       | 14        |        | 22.44  | 23.32  | 22.54   |
| 3                                                       | 8       | 0         |        | 21.3   | 21.22  | 21.71   |
| 3                                                       | 8       | 4         |        | 21.31  | 21.58  | 21.74   |
| 3                                                       | 8       | 7         |        | 21.72  | 21.58  | 21.28   |
| 3                                                       | 15      | 0         |        | 21.09  | 21.69  | 21.69   |



| LTE Band 26 Part22-824-849M Maximum Average Power [dBm] |         |           |        |        |        |         |
|---------------------------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                                       | 1       | 0         | QPSK   | 23.13  | 23.34  | 23.29   |
| 5                                                       | 1       | 12        |        | 23.08  | 23.77  | 23.23   |
| 5                                                       | 1       | 24        |        | 23.18  | 23.28  | 23.24   |
| 5                                                       | 12      | 0         |        | 21.83  | 21.86  | 21.84   |
| 5                                                       | 12      | 6         |        | 22.19  | 22.17  | 21.72   |
| 5                                                       | 12      | 11        |        | 22.13  | 22.21  | 21.82   |
| 5                                                       | 25      | 0         |        | 22.14  | 22.15  | 21.71   |
| 5                                                       | 1       | 0         | 16-QAM | 22.25  | 22.44  | 21.87   |
| 5                                                       | 1       | 12        |        | 22.63  | 22.79  | 21.9    |
| 5                                                       | 1       | 24        |        | 22.14  | 22.29  | 21.96   |
| 5                                                       | 12      | 0         |        | 21.32  | 21.22  | 21.73   |
| 5                                                       | 12      | 6         |        | 21.64  | 21.66  | 21.76   |
| 5                                                       | 12      | 11        |        | 21.6   | 21.71  | 21.74   |
| 5                                                       | 25      | 0         |        | 21.73  | 21.62  | 21.62   |
| 10                                                      | 1       | 0         | QPSK   | 23.4   | 23.15  | 23.36   |
| 10                                                      | 1       | 24        |        | 23.37  | 23.66  | 23.36   |
| 10                                                      | 1       | 49        |        | 23.83  | 23.3   | 23.51   |
| 10                                                      | 25      | 0         |        | 22.19  | 21.61  | 21.82   |
| 10                                                      | 25      | 12        |        | 21.7   | 22.29  | 21.87   |
| 10                                                      | 25      | 24        |        | 21.77  | 21.81  | 21.6    |
| 10                                                      | 50      | 0         |        | 21.71  | 22.21  | 21.8    |
| 10                                                      | 1       | 0         | 16-QAM | 22.09  | 22.72  | 22.28   |
| 10                                                      | 1       | 24        |        | 22.06  | 23.2   | 22.31   |
| 10                                                      | 1       | 49        |        | 22.46  | 22.83  | 22.32   |
| 10                                                      | 25      | 0         |        | 21.68  | 21.53  | 21.28   |
| 10                                                      | 25      | 12        |        | 21.25  | 21.8   | 21.85   |
| 10                                                      | 25      | 24        |        | 21.73  | 21.81  | 21.77   |
| 10                                                      | 50      | 0         |        | 21.34  | 21.82  | 21.76   |



| LTE Band 26 Part22-824-849M Maximum Average Power [dBm] |         |           |        |        |        |         |
|---------------------------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                                      | 1       | 0         | QPSK   | 23.42  | 23.85  | 23.3    |
| 15                                                      | 1       | 37        |        | 23.3   | 23.68  | 23.35   |
| 15                                                      | 1       | 74        |        | 23.36  | 23.16  | 23.42   |
| 15                                                      | 36      | 0         |        | 21.72  | 22.21  | 21.7    |
| 15                                                      | 36      | 18        |        | 21.83  | 22.13  | 21.82   |
| 15                                                      | 36      | 39        |        | 21.65  | 21.89  | 21.78   |
| 15                                                      | 75      | 0         |        | 21.73  | 22.21  | 21.88   |
| 15                                                      | 1       | 0         | 16-QAM | 22.12  | 22.63  | 22.06   |
| 15                                                      | 1       | 38        |        | 22.1   | 23.17  | 22.12   |
| 15                                                      | 1       | 75        |        | 22.04  | 22.69  | 22.07   |
| 15                                                      | 36      | 0         |        | 21.37  | 21.71  | 21.6    |
| 15                                                      | 36      | 18        |        | 21.7   | 21.72  | 21.31   |
| 15                                                      | 36      | 39        |        | 21.39  | 21.46  | 21.68   |
| 15                                                      | 75      | 0         |        | 21.76  | 21.67  | 21.29   |



| LTE Band 66 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                     | 1       | 0         | QPSK   | 23.81  | 23.3   | 23.71   |
| 1.4                                     | 1       | 2         |        | 23.8   | 23.4   | 23.65   |
| 1.4                                     | 1       | 5         |        | 23.82  | 23.35  | 23.63   |
| 1.4                                     | 3       | 0         |        | 23.41  | 23.5   | 23.39   |
| 1.4                                     | 3       | 1         |        | 23.45  | 23.53  | 23.38   |
| 1.4                                     | 3       | 2         |        | 23.51  | 23.41  | 23.43   |
| 1.4                                     | 6       | 0         |        | 21.97  | 22.01  | 21.89   |
| 1.4                                     | 1       | 0         | 16-QAM | 23.26  | 22.88  | 22.66   |
| 1.4                                     | 1       | 2         |        | 23.21  | 22.8   | 22.68   |
| 1.4                                     | 1       | 5         |        | 23.25  | 22.87  | 22.67   |
| 1.4                                     | 3       | 0         |        | 22.36  | 22.7   | 22.49   |
| 1.4                                     | 3       | 1         |        | 22.43  | 22.7   | 22.54   |
| 1.4                                     | 3       | 2         |        | 22.41  | 22.74  | 22.54   |
| 1.4                                     | 6       | 0         |        | 21.58  | 21.46  | 21.46   |
| 3                                       | 1       | 0         | QPSK   | 23.67  | 23.32  | 23.67   |
| 3                                       | 1       | 7         |        | 23.71  | 23.4   | 23.73   |
| 3                                       | 1       | 14        |        | 23.66  | 23.39  | 23.68   |
| 3                                       | 8       | 0         |        | 21.85  | 21.96  | 21.94   |
| 3                                       | 8       | 4         |        | 21.9   | 21.92  | 21.86   |
| 3                                       | 8       | 7         |        | 22.03  | 21.97  | 21.91   |
| 3                                       | 15      | 0         |        | 21.85  | 21.88  | 21.81   |
| 3                                       | 1       | 0         | 16-QAM | 22.13  | 22.89  | 22.73   |
| 3                                       | 1       | 7         |        | 22.14  | 22.83  | 22.66   |
| 3                                       | 1       | 14        |        | 22.18  | 22.87  | 22.73   |
| 3                                       | 8       | 0         |        | 21.52  | 21.41  | 21.39   |
| 3                                       | 8       | 4         |        | 21.59  | 21.47  | 21.36   |
| 3                                       | 8       | 7         |        | 21.63  | 21.42  | 21.43   |
| 3                                       | 15      | 0         |        | 21.41  | 21.5   | 21.39   |



| LTE Band 66 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                       | 1       | 0         | QPSK   | 23.33  | 23.66  | 23.3    |
| 5                                       | 1       | 12        |        | 23.32  | 23.65  | 23.33   |
| 5                                       | 1       | 24        |        | 23.36  | 23.67  | 23.29   |
| 5                                       | 12      | 0         |        | 21.92  | 21.93  | 21.96   |
| 5                                       | 12      | 6         |        | 22     | 21.9   | 21.96   |
| 5                                       | 12      | 11        |        | 21.96  | 22     | 21.87   |
| 5                                       | 25      | 0         |        | 22.05  | 21.96  | 21.91   |
| 5                                       | 1       | 0         | 16-QAM | 22.46  | 22.64  | 21.94   |
| 5                                       | 1       | 12        |        | 22.47  | 22.54  | 21.99   |
| 5                                       | 1       | 24        |        | 22.37  | 22.61  | 22.06   |
| 5                                       | 12      | 0         |        | 21.44  | 21.61  | 21.49   |
| 5                                       | 12      | 6         |        | 21.52  | 21.61  | 21.49   |
| 5                                       | 12      | 11        |        | 21.5   | 21.49  | 21.46   |
| 5                                       | 25      | 0         |        | 21.63  | 21.44  | 21.34   |
| 10                                      | 1       | 0         | QPSK   | 23.72  | 23.28  | 23.54   |
| 10                                      | 1       | 24        |        | 23.72  | 23.31  | 23.55   |
| 10                                      | 1       | 49        |        | 23.7   | 23.28  | 23.56   |
| 10                                      | 25      | 0         |        | 22.02  | 21.95  | 21.81   |
| 10                                      | 25      | 12        |        | 21.92  | 21.99  | 21.84   |
| 10                                      | 25      | 24        |        | 21.94  | 22     | 21.86   |
| 10                                      | 50      | 0         |        | 22     | 21.97  | 21.88   |
| 10                                      | 1       | 0         | 16-QAM | 22.1   | 22.97  | 22.55   |
| 10                                      | 1       | 24        |        | 22.19  | 23     | 22.56   |
| 10                                      | 1       | 49        |        | 22.26  | 23.04  | 22.53   |
| 10                                      | 25      | 0         |        | 21.61  | 21.54  | 21.47   |
| 10                                      | 25      | 12        |        | 21.55  | 21.54  | 21.76   |
| 10                                      | 25      | 24        |        | 21.57  | 21.58  | 21.52   |
| 10                                      | 50      | 0         |        | 21.51  | 21.58  | 21.65   |



| LTE Band 66 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                      | 1       | 0         | QPSK   | 23.71  | 23.23  | 23.54   |
| 15                                      | 1       | 37        |        | 23.72  | 23.36  | 23.56   |
| 15                                      | 1       | 74        |        | 23.67  | 23.31  | 23.55   |
| 15                                      | 36      | 0         |        | 21.87  | 22.04  | 21.89   |
| 15                                      | 36      | 18        |        | 22.03  | 22.03  | 21.86   |
| 15                                      | 36      | 39        |        | 21.94  | 21.88  | 21.92   |
| 15                                      | 75      | 0         |        | 21.97  | 21.99  | 21.93   |
| 15                                      | 1       | 0         | 16-QAM | 22.2   | 22.98  | 22.27   |
| 15                                      | 1       | 38        |        | 22.22  | 22.99  | 22.21   |
| 15                                      | 1       | 75        |        | 22.24  | 23.05  | 22.22   |
| 15                                      | 36      | 0         |        | 21.56  | 21.47  | 21.35   |
| 15                                      | 36      | 18        |        | 21.58  | 21.38  | 21.48   |
| 15                                      | 36      | 39        |        | 21.58  | 21.44  | 21.42   |
| 15                                      | 75      | 0         |        | 21.58  | 21.5   | 21.55   |
| 20                                      | 1       | 0         | QPSK   | 23.62  | 23.86  | 23.47   |
| 20                                      | 1       | 49        |        | 23.64  | 23.55  | 23.39   |
| 20                                      | 1       | 99        |        | 23.65  | 23.62  | 23.42   |
| 20                                      | 50      | 0         |        | 21.88  | 21.98  | 21.82   |
| 20                                      | 50      | 24        |        | 21.94  | 22.02  | 21.84   |
| 20                                      | 50      | 49        |        | 21.95  | 22     | 21.92   |
| 20                                      | 100     | 0         |        | 21.92  | 21.89  | 21.83   |
| 20                                      | 1       | 0         | 16-QAM | 22.53  | 22.85  | 22.51   |
| 20                                      | 1       | 49        |        | 22.65  | 22.82  | 22.36   |
| 20                                      | 1       | 99        |        | 22.68  | 22.82  | 22.46   |
| 20                                      | 50      | 0         |        | 21.56  | 21.44  | 21.51   |
| 20                                      | 50      | 24        |        | 21.57  | 21.52  | 21.46   |
| 20                                      | 50      | 49        |        | 21.61  | 21.57  | 21.75   |
| 20                                      | 100     | 0         |        | 21.48  | 21.45  | 21.47   |

**2.4G WLAN**

| 2.4GWIFI      |                |                 |                     |                   |
|---------------|----------------|-----------------|---------------------|-------------------|
| Mode          | Channel Number | Frequency (MHz) | Average Power (dBm) | Output Power (mW) |
| 802.11b       | 1              | 2412            | 16.08               | 40.55             |
|               | 7              | 2437            | 16.43               | 43.95             |
|               | 11             | 2462            | 16.59               | 45.60             |
| 802.11g       | 1              | 2412            | 16.67               | 46.45             |
|               | 7              | 2437            | 16.89               | 48.87             |
|               | 11             | 2462            | 16.87               | 48.64             |
| 802.11 n-HT20 | 1              | 2412            | 17.62               | 57.81             |
|               | 7              | 2437            | 17.46               | 55.72             |
|               | 11             | 2462            | 17.98               | 62.81             |

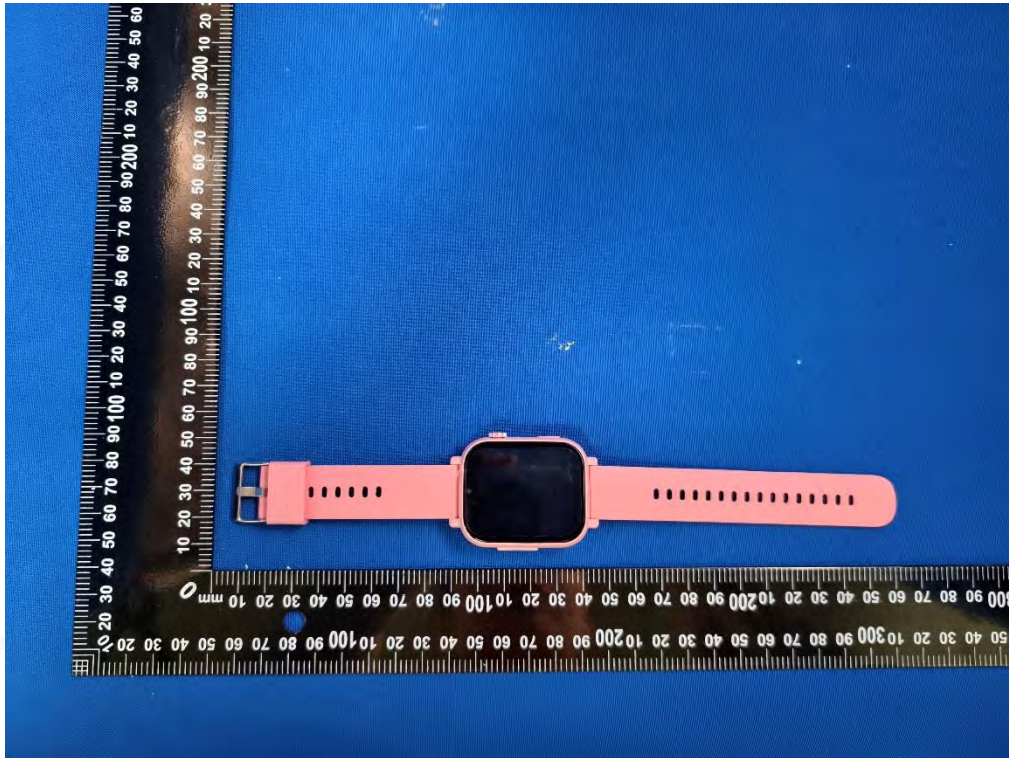
**BT**

| BT                   |                |                 |                     |                   |
|----------------------|----------------|-----------------|---------------------|-------------------|
| Mode                 | Channel Number | Frequency (MHz) | Average Power (dBm) | Output Power (mW) |
| GFSK(1Mbps)          | 0              | 2402            | -0.14               | 0.97              |
|                      | 39             | 2441            | -0.48               | 0.90              |
|                      | 78             | 2480            | -0.20               | 0.95              |
| $\pi/4$ -QPSK(2Mbps) | 0              | 2402            | -0.01               | 1.00              |
|                      | 39             | 2441            | -0.23               | 0.95              |
|                      | 78             | 2480            | -0.17               | 0.96              |
| 8DPSK(3Mbps)         | 0              | 2402            | 0.22                | 1.05              |
|                      | 39             | 2441            | -0.04               | 0.99              |
|                      | 78             | 2480            | -0.06               | 0.99              |

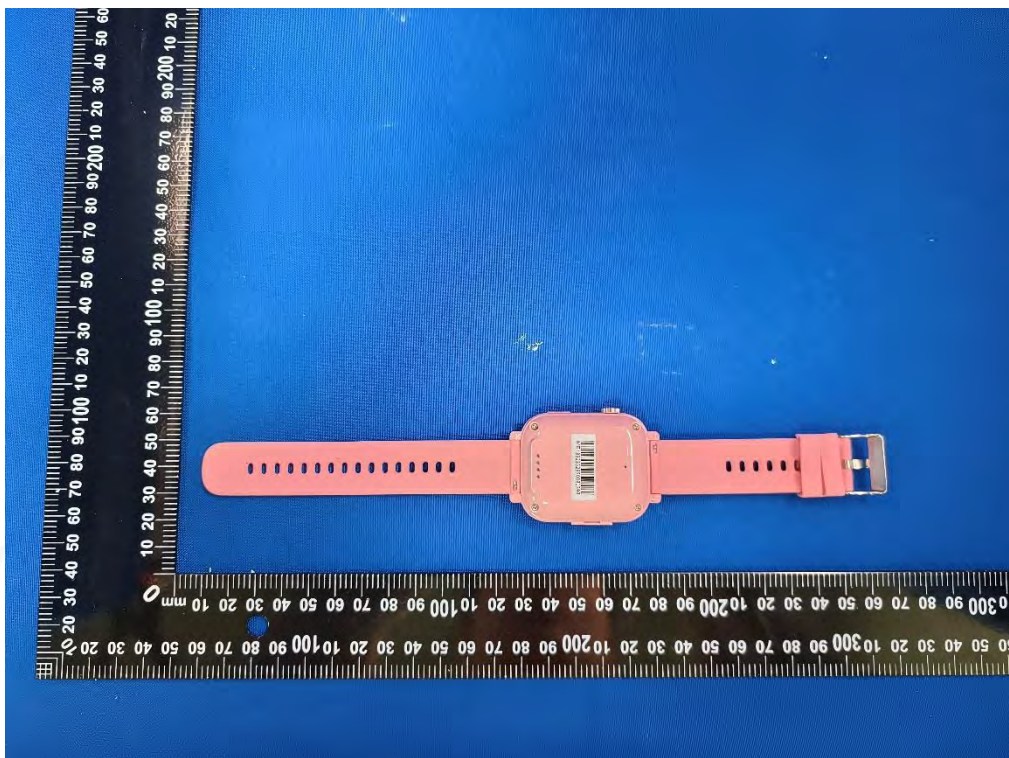
## 10. EUT and Test Setup Photo

### 10.1 EUT Photo

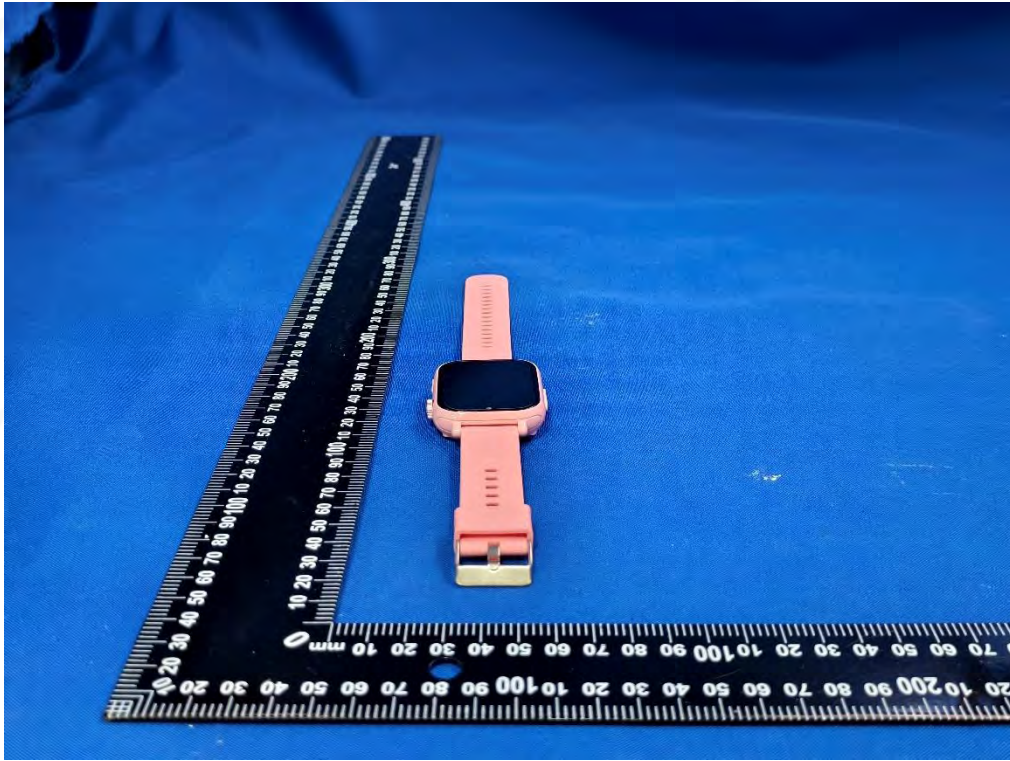
Front side



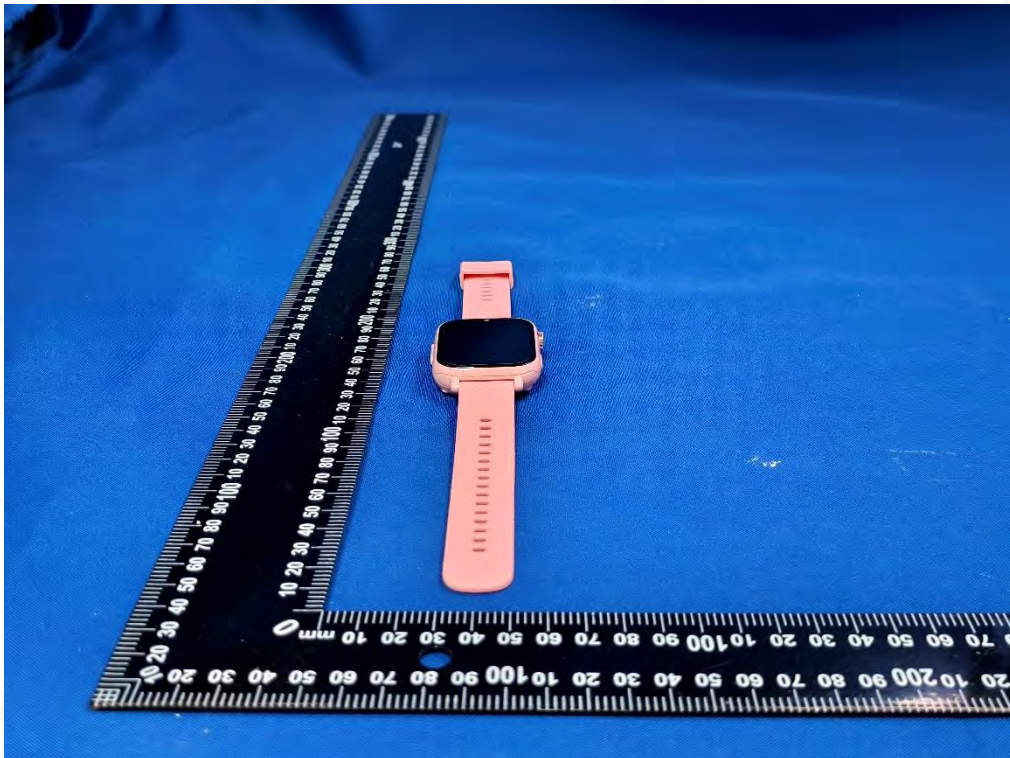
Back side



Top Edge



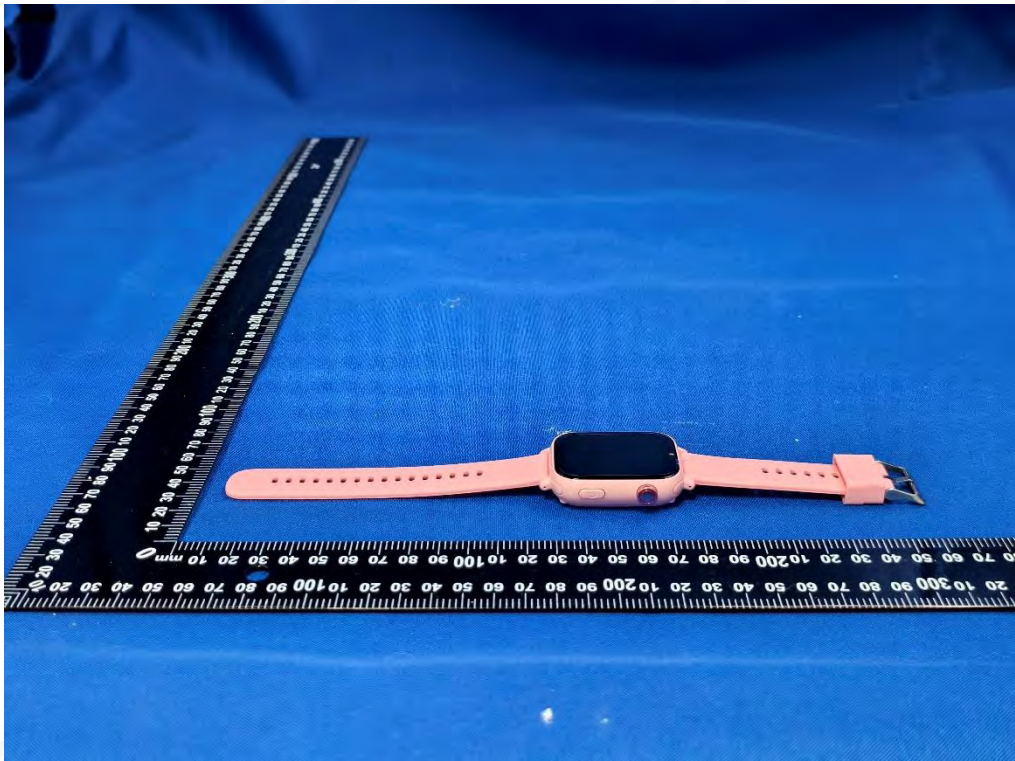
Bottom Edge



Left Edge

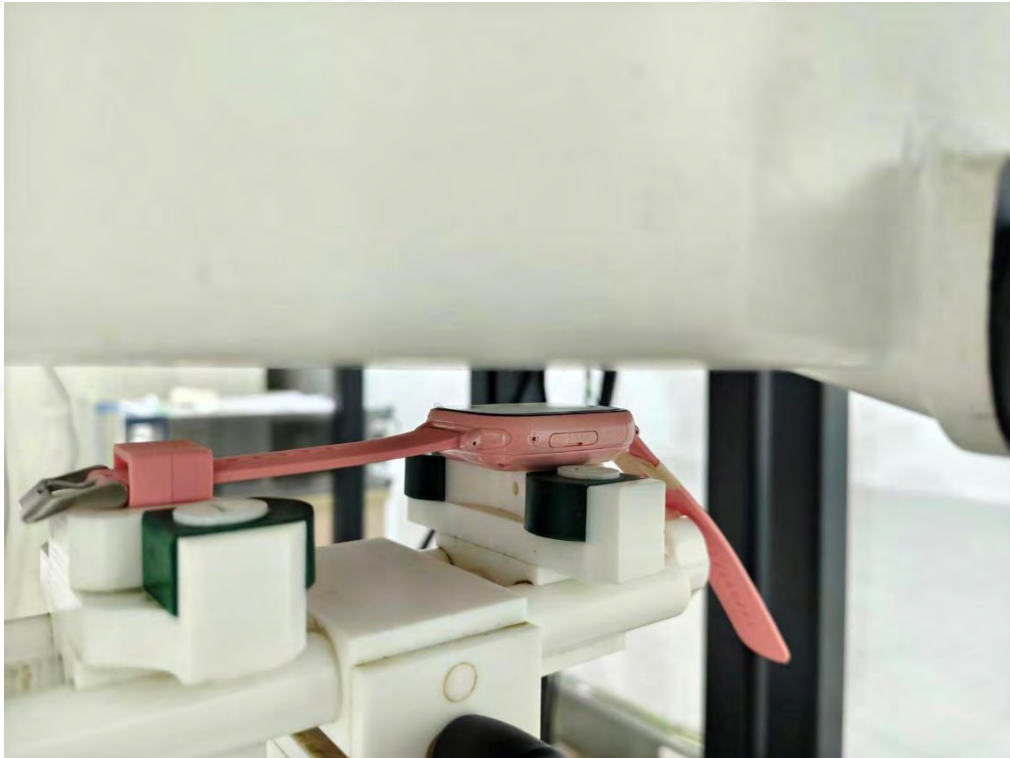


Right Edge

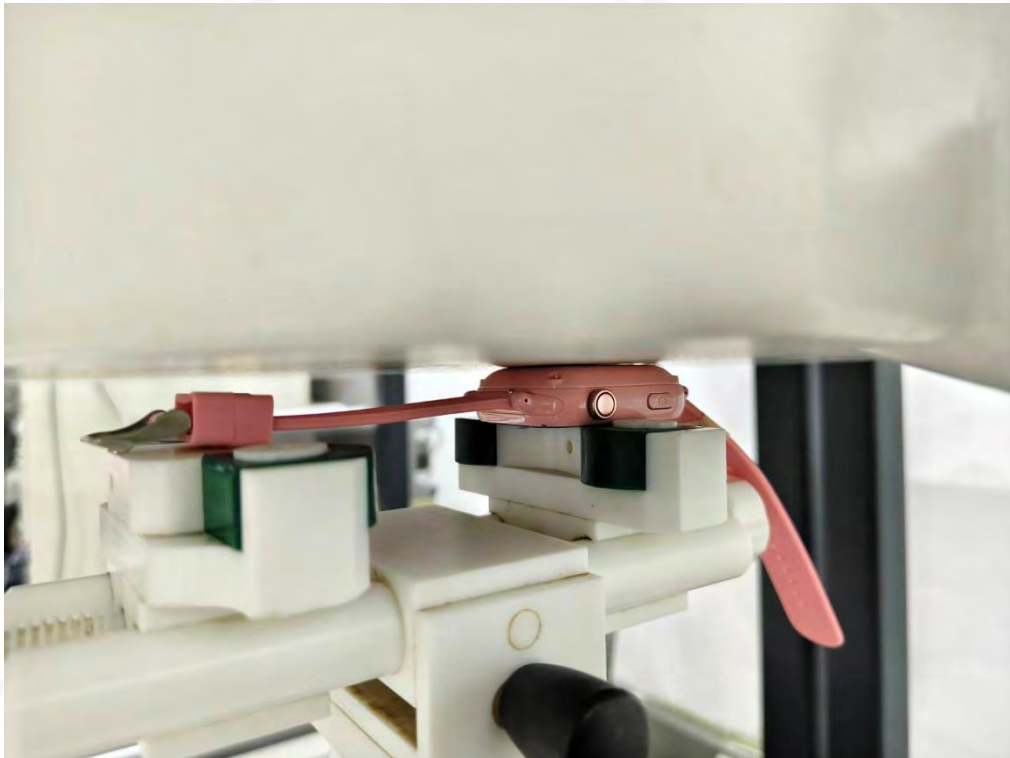


## 10.2 Setup Photo

Front of face(separation distance is 10mm)

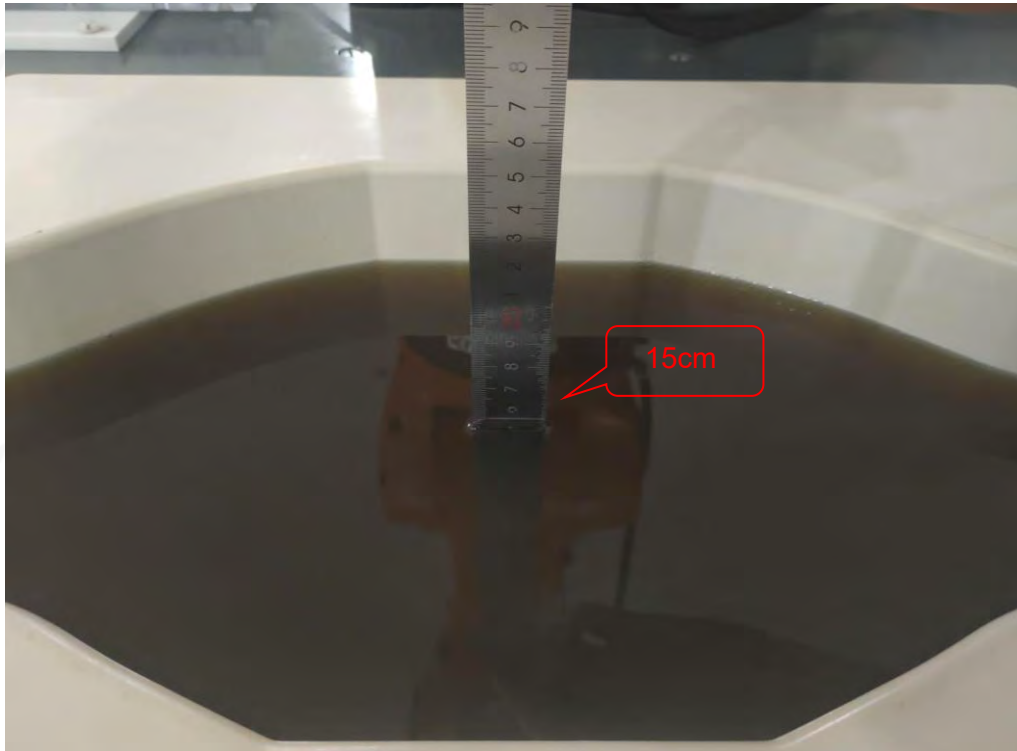


Wrist(separation distance is 0mm)





Liquid depth (15 cm)





## 11. SAR Result Summary

### 11.1 Front of face SAR

| Band           | BW (MHz) | Mod.              | RB Size | 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. |
|----------------|----------|-------------------|---------|-----------|---------------|-------|------------------|----------------|-------------------------|-------------------------|----------------|-------------------|-----------|
| GSM850         | N/A      | GSM(GMSK, 1-Slot) | N/A     | N/A       | Front of face | 848.8 | 0.034            | -3.98          | 33.00                   | 32.81                   | 1.045          | <b>0.036</b>      | <b>1</b>  |
| GSM1900        | N/A      | GSM(GMSK, 1-Slot) | N/A     | N/A       | Front of face | 1880  | 0.162            | -3.23          | 29.00                   | 28.83                   | 1.040          | <b>0.168</b>      | <b>3</b>  |
| WCDMA Band 2   | N/A      | RMC               | N/A     | N/A       | Front of face | 1880  | 0.549            | 3.45           | 25.00                   | 24.57                   | 1.104          | <b>0.606</b>      | <b>5</b>  |
| WCDMA Band 5   | N/A      | RMC               | N/A     | N/A       | Front of face | 846.6 | 0.018            | -2.94          | 24.00                   | 23.87                   | 1.030          | <b>0.019</b>      | <b>7</b>  |
| 2.4GHz WLAN    | N/A      | 802.11 n-HT20     | N/A     | N/A       | Front of face | 2462  | 0.077            | -2.10          | 18.00                   | 17.98                   | 1.005          | <b>0.077</b>      | <b>9</b>  |
| LTE Band 2     | 20M      | QPSK              | 1       | 99        | Front of face | 1860  | 0.513            | -1.97          | 24.50                   | 23.66                   | 1.213          | 0.622             | /         |
|                |          |                   | 1       | 99        | Front of face | 1880  | 0.595            | 0.22           | 24.50                   | 24.05                   | 1.109          | <b>0.660</b>      | <b>11</b> |
|                |          |                   | 1       | 99        | Front of face | 1900  | 0.542            | -0.16          | 24.50                   | 23.81                   | 1.172          | 0.635             | /         |
|                |          |                   | 50      | 24        | Front of face | 1880  | 0.401            | -1.22          | 23.00                   | 22.64                   | 1.086          | 0.436             | /         |
| LTE Band 5     | 10M      | QPSK              | 1       | 24        | Front of face | 829   | 0.022            | 3.41           | 24.00                   | 23.76                   | 1.057          | <b>0.023</b>      | <b>13</b> |
|                |          |                   | 25      | 12        | Front of face | 844   | 0.015            | -2.54          | 22.00                   | 21.92                   | 1.019          | 0.015             | /         |
| LTE Band 7     | 10M      | QPSK              | 1       | 49        | Front of face | 2535  | 0.458            | -1.31          | 23.50                   | 23.36                   | 1.033          | <b>0.473</b>      | <b>15</b> |
|                |          |                   | 50      | 49        | Front of face | 2535  | 0.355            | 0.37           | 22.50                   | 22.05                   | 1.109          | 0.394             | /         |
| LTE Band 12&17 | 10M      | QPSK              | 1       | 24        | Front of face | 704   | 0.108            | 3.20           | 24.00                   | 23.80                   | 1.047          | <b>0.113</b>      | <b>17</b> |
|                |          |                   | 25      | 24        | Front of face | 711   | 0.102            | 0.52           | 23.00                   | 22.80                   | 1.047          | 0.107             | /         |
| LTE Band 13    | 10M      | QPSK              | 1       | 0         | Front of face | 782   | 0.104            | 2.40           | 23.50                   | 23.43                   | 1.016          | <b>0.106</b>      | <b>19</b> |
|                |          |                   | 25      | 12        | Front of face | 782   | 0.088            | -2.68          | 22.50                   | 22.37                   | 1.030          | 0.091             | /         |
| LTE Band 26    | 10M      | QPSK              | 1       | 0         | Front of face | 831.5 | 0.022            | 3.06           | 24.00                   | 23.85                   | 1.035          | <b>0.023</b>      | <b>21</b> |
|                |          |                   | 36      | 0         | Front of face | 831.5 | 0.016            | 1.60           | 22.50                   | 22.21                   | 1.069          | 0.017             | /         |
| LTE Band 66&4  | 20M      | QPSK              | 1       | 0         | Front of face | 1755  | 0.316            | 1.23           | 24.00                   | 23.86                   | 1.033          | <b>0.326</b>      | <b>23</b> |
|                |          |                   | 50      | 24        | Front of face | 1755  | 0.269            | -0.06          | 22.50                   | 22.02                   | 1.117          | 0.300             | /         |

Note:

- The test separation of all above table is 5mm.
- 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
- When the user enables the personal Wireless router functions for the handsets, actual operations include simultaneous transmission of both the Wi-Fi transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. The "Portable Hotspot" feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.

**11.2 Wrist SAR**

| Band           | BW (MHz) | Mod.                | RB Size | 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. |
|----------------|----------|---------------------|---------|-----------|---------------|-------|-------------------|----------------|-------------------------|-------------------------|----------------|-------------------|-----------|
| GSM850         | N/A      | GPRS (GMSK, 2-Slot) | N/A     | N/A       | Wrist         | 848.8 | 0.086             | -0.55          | 31.50                   | 31.04                   | 1.112          | <b>0.096</b>      | <b>2</b>  |
| GSM1900        | N/A      | GPRS (GMSK, 2-Slot) | N/A     | N/A       | Wrist         | 1880  | 0.206             | 2.08           | 28.00                   | 27.99                   | 1.002          | <b>0.206</b>      | <b>4</b>  |
| WCDMA Band 2   | N/A      | RMC                 | N/A     | N/A       | Wrist         | 1880  | 0.683             | -1.54          | 25.00                   | 24.57                   | 1.104          | <b>0.754</b>      | <b>6</b>  |
| WCDMA Band 5   | N/A      | RMC                 | N/A     | N/A       | Wrist         | 846.6 | 0.048             | -2.66          | 24.00                   | 23.87                   | 1.030          | <b>0.049</b>      | <b>8</b>  |
| 2.4GHz WLAN    | N/A      | 802.11 n-HT20       | N/A     | N/A       | Wrist         | 2462  | 0.072             | -1.02          | 18.00                   | 17.98                   | 1.005          | <b>0.072</b>      | <b>10</b> |
| LTE Band 2     | 20M      | QPSK                | 1       | 99        | Wrist         | 1880  | 0.637             | 3.71           | 24.50                   | 24.05                   | 1.109          | <b>0.707</b>      | <b>12</b> |
|                |          |                     | 50      | 24        | Wrist         | 1880  | 0.522             | -0.02          | 23.00                   | 22.64                   | 1.086          | 0.567             | /         |
| LTE Band 5     | 10M      | QPSK                | 1       | 24        | Wrist         | 829   | 0.037             | -1.33          | 24.00                   | 23.76                   | 1.057          | <b>0.039</b>      | <b>14</b> |
|                |          |                     | 25      | 12        | Wrist         | 844   | 0.026             | 0.36           | 22.00                   | 21.92                   | 1.019          | 0.026             | /         |
| LTE Band 7     | 10M      | QPSK                | 1       | 49        | Wrist         | 2510  | 0.775             | -0.28          | 23.50                   | 22.80                   | 1.175          | 0.911             | /         |
|                |          |                     | 1       | 49        | Wrist         | 2535  | 0.885             | -2.04          | 23.50                   | 23.36                   | 1.033          | <b>0.914</b>      | <b>16</b> |
|                |          |                     | 1       | 49        | Wrist         | 2560  | 0.710             | 2.40           | 23.50                   | 22.46                   | 1.271          | 0.902             | /         |
|                |          |                     | 50      | 49        | Wrist         | 2535  | 0.500             | 2.76           | 22.50                   | 22.05                   | 1.109          | 0.555             | /         |
| LTE Band 12&17 | 10M      | QPSK                | 1       | 24        | Wrist         | 704   | 0.274             | 3.66           | 24.00                   | 23.80                   | 1.047          | <b>0.287</b>      | <b>18</b> |
|                |          |                     | 25      | 24        | Wrist         | 711   | 0.205             | -1.48          | 23.00                   | 22.80                   | 1.047          | 0.215             | /         |
| LTE Band 13    | 10M      | QPSK                | 1       | 0         | Wrist         | 782   | 0.247             | 0.87           | 23.50                   | 23.43                   | 1.016          | <b>0.251</b>      | <b>20</b> |
|                |          |                     | 25      | 12        | Wrist         | 782   | 0.211             | 1.15           | 22.50                   | 22.37                   | 1.030          | 0.217             | /         |
| LTE Band 26    | 10M      | QPSK                | 1       | 0         | Wrist         | 831.5 | 0.036             | 1.23           | 24.00                   | 23.85                   | 1.035          | <b>0.037</b>      | <b>22</b> |
|                |          |                     | 36      | 0         | Wrist         | 831.5 | 0.025             | 1.11           | 22.50                   | 22.21                   | 1.069          | 0.027             | /         |
| LTE Band 66&4  | 20M      | QPSK                | 1       | 0         | Wrist         | 1755  | 0.701             | 3.56           | 24.00                   | 23.86                   | 1.033          | <b>0.724</b>      | <b>24</b> |
|                |          |                     | 50      | 24        | Wrist         | 1755  | 0.611             | 1.00           | 22.50                   | 22.02                   | 1.117          | 0.682             | /         |

**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
- When the user enables the personal Wireless router functions for the handsets, actual operations include simultaneous transmission of both the Wi-Fi transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. The "Portable Hotspot" feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.



### 12.3 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

| Position | Simultaneous State        |
|----------|---------------------------|
| Limbs    | 1. GSM + 2.4GHz WLAN/BT   |
|          | 2. WCDMA + 2.4GHz WLAN/BT |
|          | 3. LTE + 2.4GHz WLAN/BT   |
| Body     | 1. GSM + 2.4GHz WLAN/BT   |
|          | 2. WCDMA + 2.4GHz WLAN/BT |
|          | 3. LTE + 2.4GHz WLAN/BT   |

NOTE:

1. Bluetooth and WLAN can't simultaneous transmission at the same time.
2. For simultaneous transmission at limbs 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    |      |                |                               |
| BT            | Front of face | 1                     | 1.259 | 5    | 2.402          | 0.052                         |
|               | Wrist         |                       |       | 5    | 2.402          | 0.021                         |

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.



| Simultaneous Mode | Position      | Mode      | Max. 1&10-g | 1&10-g Sum |
|-------------------|---------------|-----------|-------------|------------|
|                   |               |           | (W/kg)      | (W/kg)     |
| GSM + 2.4G WLAN   | Front of face | GSM       | 0.168       | 0.245      |
|                   |               | 2.4G WLAN | 0.077       |            |
|                   | Wrist         | GSM       | 0.206       | 0.278      |
|                   |               | 2.4G WLAN | 0.072       |            |
| GSM + Bluetooth   | Front of face | GSM       | 0.168       | 0.220      |
|                   |               | Bluetooth | 0.052       |            |
|                   | Wrist         | GSM       | 0.206       | 0.227      |
|                   |               | Bluetooth | 0.021       |            |
| WCDMA + 2.4G WLAN | Front of face | WCDMA     | 0.606       | 0.683      |
|                   |               | 2.4G WLAN | 0.077       |            |
|                   | Wrist         | WCDMA     | 0.754       | 0.826      |
|                   |               | 2.4G WLAN | 0.072       |            |
| WCDMA + Bluetooth | Front of face | WCDMA     | 0.606       | 0.658      |
|                   |               | Bluetooth | 0.052       |            |
|                   | Wrist         | WCDMA     | 0.754       | 0.775      |
|                   |               | Bluetooth | 0.021       |            |
| LTE + 2.4G WLAN   | Front of face | LTE       | 0.660       | 0.737      |
|                   |               | 2.4G WLAN | 0.077       |            |
|                   | Wrist         | LTE       | 0.914       | 0.986      |
|                   |               | 2.4G WLAN | 0.072       |            |
| LTE + Bluetooth   | Front of face | LTE       | 0.660       | 0.712      |
|                   |               | Bluetooth | 0.052       |            |
|                   | Wrist         | LTE       | 0.914       | 0.935      |
|                   |               | Bluetooth | 0.021       |            |

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 |
|---------------------------------|--------------|-------------------|-----------------------|------------------|------------------|
| SAR Test System                 | SATIMO       | N/A               | V5.3.15.11            | N/A              | N/A              |
| 750MHz Dipole                   | MVG          | SID750            | SN 30/14 DIP0G750-331 | 2023.07.04       | 2026.07.03       |
| 835MHz Dipole                   | MVG          | SID835            | SN 30/14 DIP0G835-332 | 2023.07.04       | 2026.07.03       |
| 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       |
| 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 EPG0352      | 2025.09.15       | 2026.09.14       |
| Dielectric Probe Kit            | MVG          | SCLMP             | SN 32/14 OCPG67       | 2025.09.15       | 2026.09.14       |
| 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            | 2025-09-26       | 2026-09-24       |
| Multi Meter                     | Keithley     | Multi Meter 2000  | 4050073               | 2025-09-22       | 2026-09-21       |
| Signal Generator                | Agilent      | N5182A            | MY50140530            | 2025-09-26       | 2026-09-25       |
| Wireless Communication Test Set | Agilent      | 8960-E5515C       | MY48360751            | 2025-02-22       | 2026-02-21       |
| Wireless Communication Test Set | R&S          | CMW500            | 156324                | 2025-09-25       | 2026-09-24       |
| Power Amplifier                 | DESAY        | WCS-DLNA50M8G50G1 | CSKJLNA231227A        | 2025-09-29       | 2026-09-28       |
| Power Meter                     | R&S          | NRP               | 100510                | 2025-09-25       | 2026-09-24       |
| Power Sensor                    | R&S          | NRP-Z11           | 101919                | 2025-09-25       | 2026-09-24       |
| Power Sensor                    | Keysight     | U2021XA           | MY56280002            | 2025-09-25       | 2026-09-24       |
| Temperature hygrometer          | TOPRIE       | TP502V4-P         | 6700000124198         | 2025.10.09       | 2026.10.08       |
| Thermograph                     | Elitech      | RC-4              | S/N EF7176501537      | 2025.10.17       | 2026.10.16       |



## Appendix A. System Validation Plots

### System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

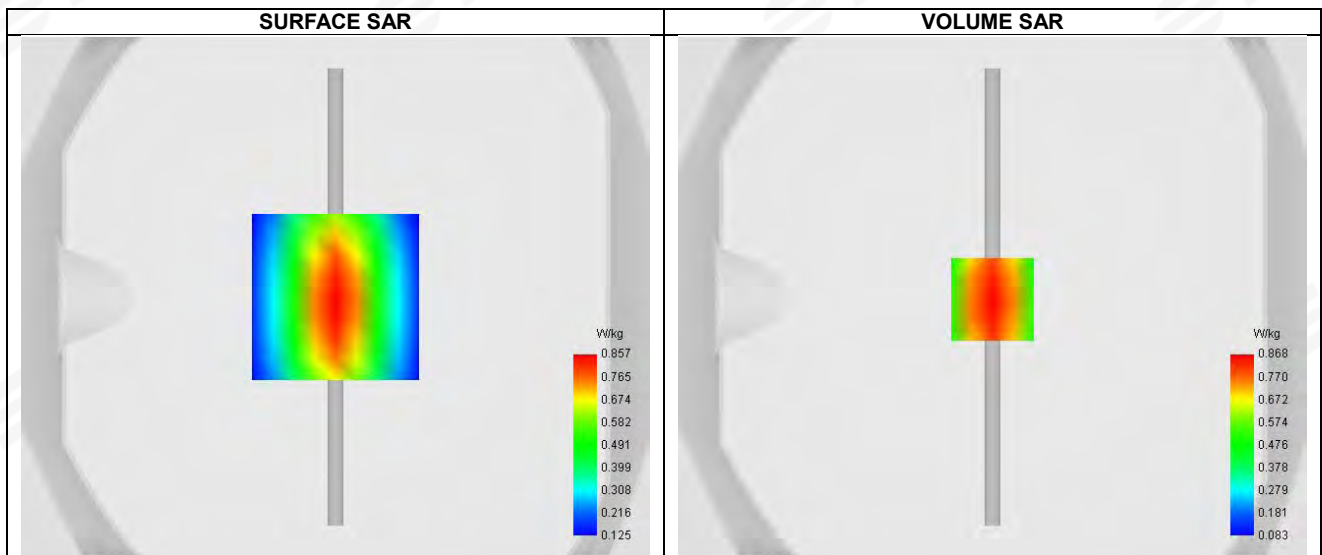
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-10-23

#### Experimental conditions.

|                       |                  |
|-----------------------|------------------|
| Device Position       | Validation plane |
| Band                  | 750 MHz          |
| Channels              | -                |
| Signal                | CW               |
| Frequency (MHz)       | 750              |
| Relative permittivity | 41.84            |
| Conductivity (S/m)    | 0.91             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.51             |
| Crest factor:         | 1:1              |

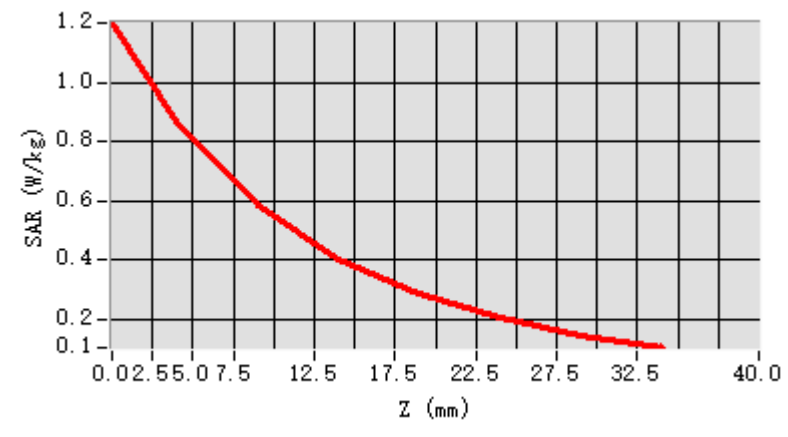


Maximum location: X=0.00, Y=-1.00 ; SAR Peak: 1.20 W/kg

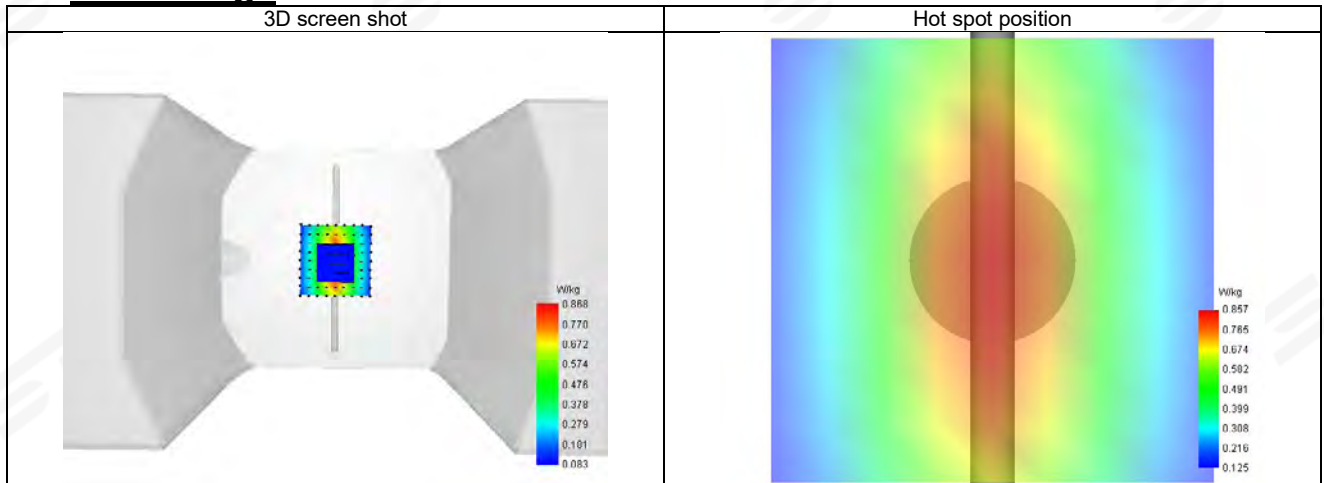
### D. SAR 1g & 10g

|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.545     |
| SAR 1g (W/Kg)                                         | 0.788     |
| Horizontal validation criteria: minimum distance (mm) | 10.552140 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 54.221014 |

## E. Z Axis Scan



## F. 3D Image



**System Performance Check Data (835MHz)**

Type: Phone measurement (Complete)

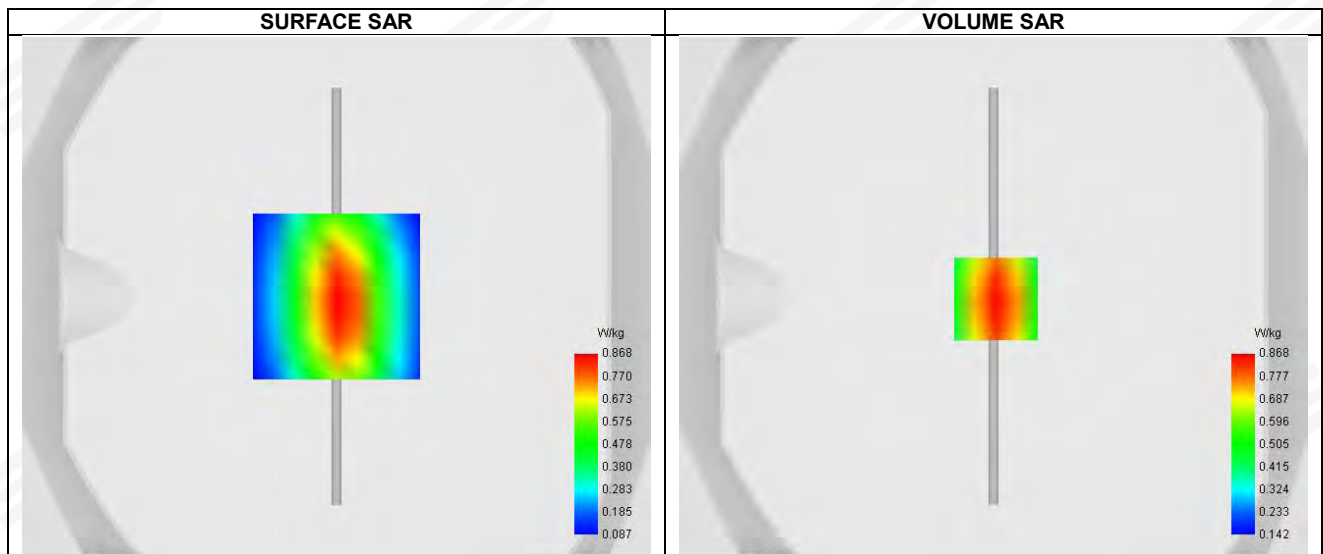
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-10-21

**Experimental conditions.**

|                       |                  |
|-----------------------|------------------|
| Device Position       | Validation plane |
| Band                  | 835 MHz          |
| Channels              | -                |
| Signal                | CW               |
| Frequency (MHz)       | 835              |
| Relative permittivity | 42.53            |
| Conductivity (S/m)    | 0.92             |
| Probe                 | SN 08/21 EPG0352 |
| ConvF                 | 1.49             |
| Crest factor:         | 1:1              |

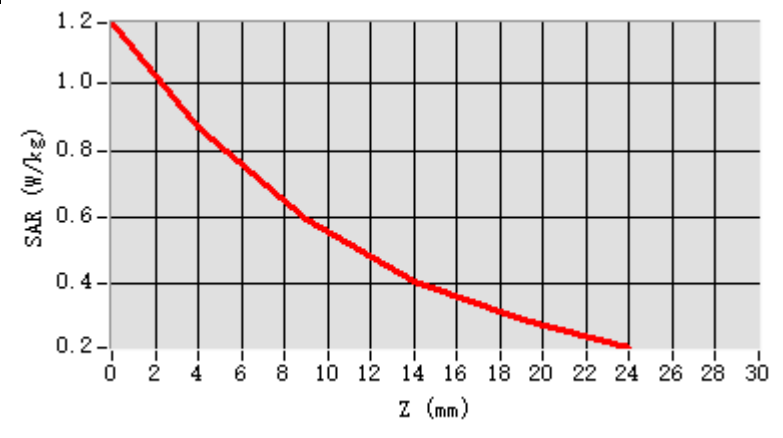


Maximum location: X=1.00, Y=-1.00 ; SAR Peak: 1.19 W/kg

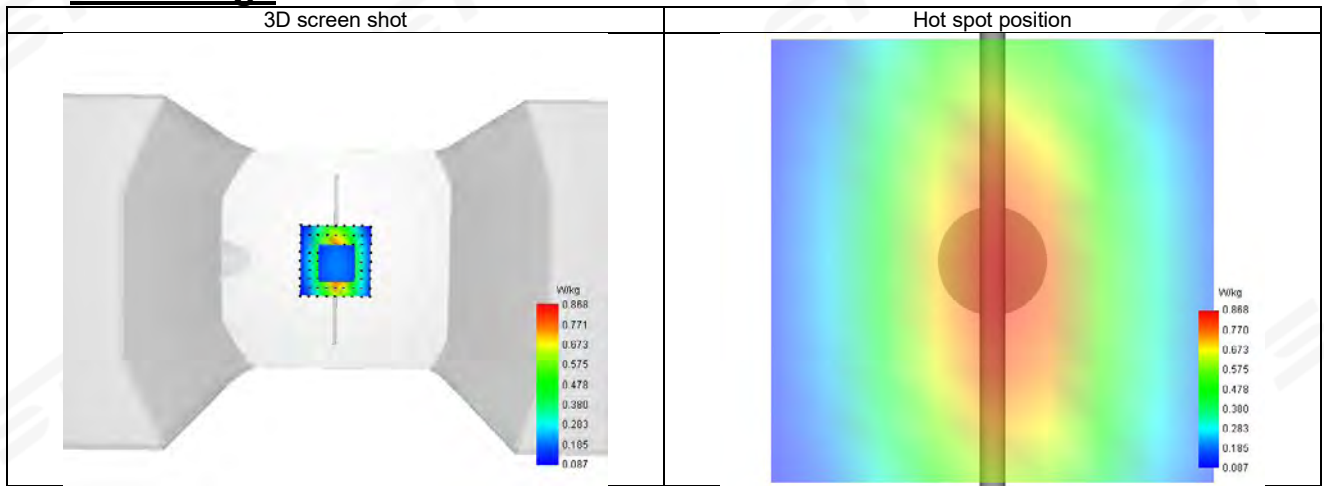
**D. SAR 1g & 10g**

|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.656     |
| SAR 1g (W/Kg)                                         | 0.951     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 55.952100 |

### E. Z Axis Scan



### F. 3D Image



**System Performance Check Data (1800MHz)**

Type: Phone measurement (Complete)

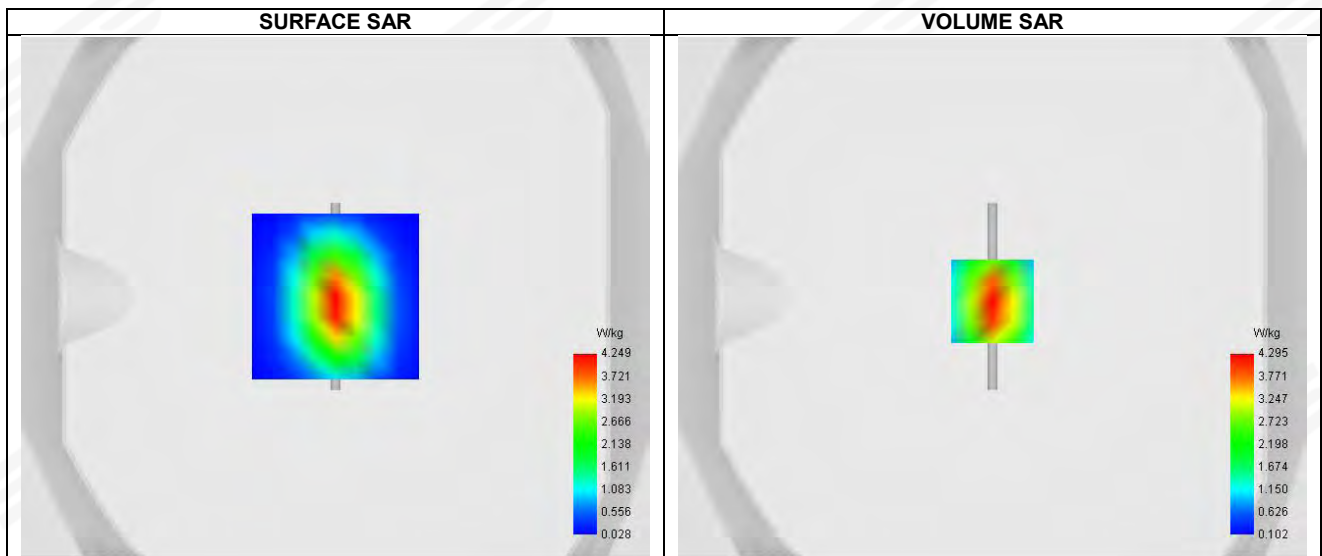
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-10-24

**Experimental conditions.**

|                       |                  |
|-----------------------|------------------|
| Device Position       | Validation plane |
| Band                  | 1800 MHz         |
| Channels              | -                |
| Signal                | CW               |
| Frequency (MHz)       | 1800             |
| Relative permittivity | 40.23            |
| Conductivity (S/m)    | 1.39             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.54             |
| Crest factor:         | 1:1              |

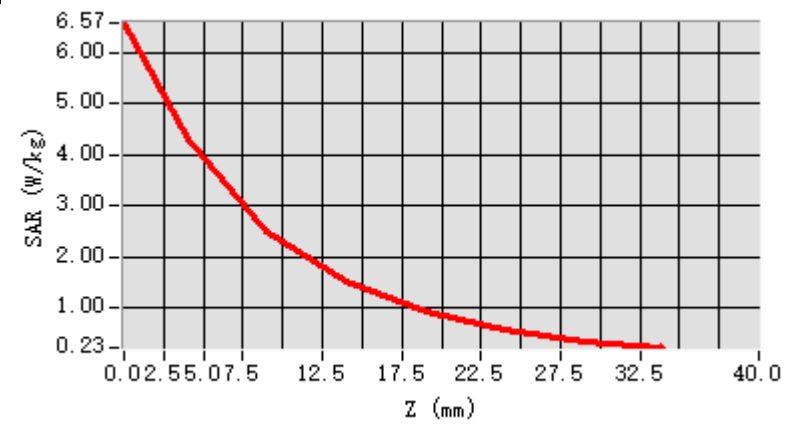


Maximum location: X=0.00, Y=-2.00 ; SAR Peak: 6.54 W/kg

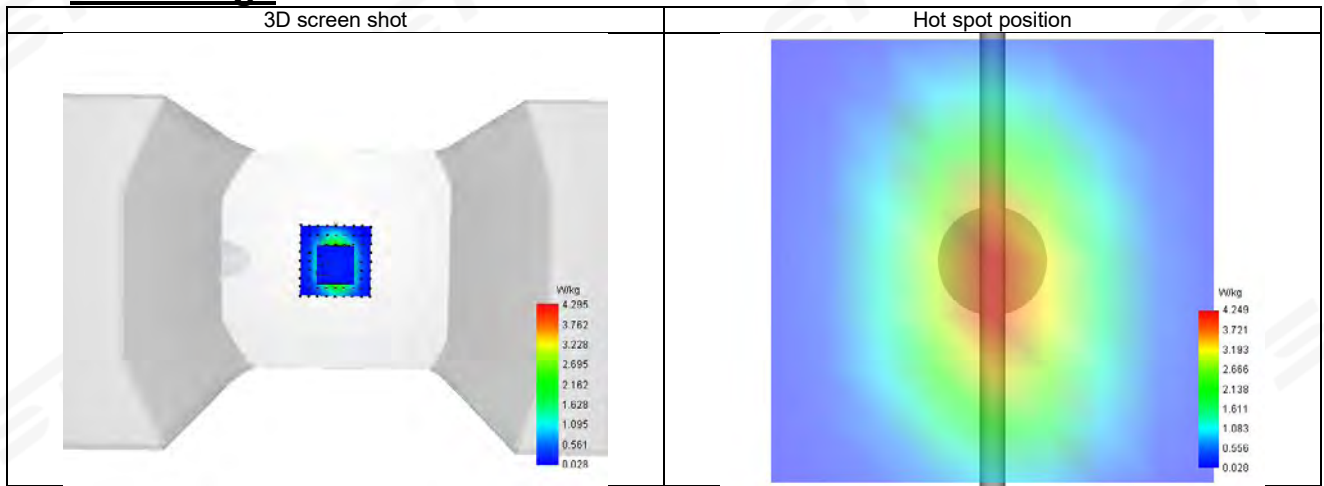
**D. SAR 1g & 10g**

|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 1.967     |
| SAR 1g (W/Kg)                                         | 3.867     |
| 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)

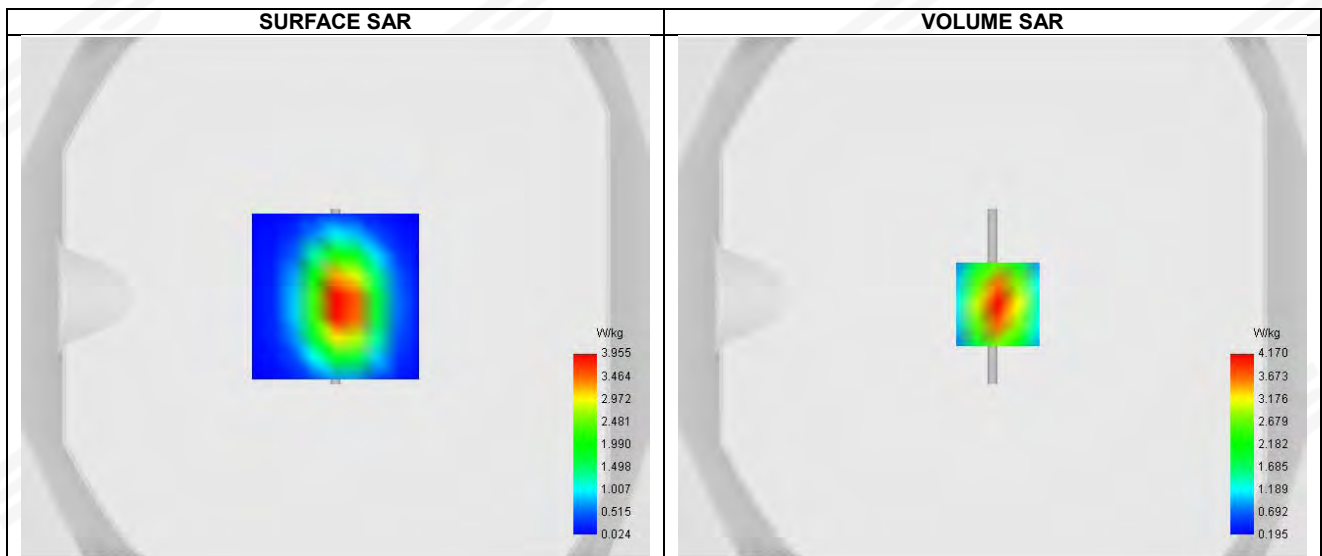
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-10-24

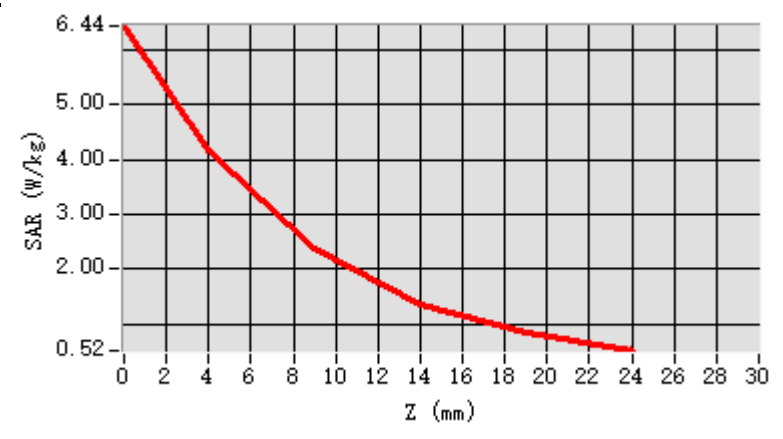
**Experimental conditions.**

|                       |                  |
|-----------------------|------------------|
| Device Position       | Validation plane |
| Band                  | 1900 MHz         |
| Channels              | -                |
| Signal                | CW               |
| Frequency (MHz)       | 1900             |
| Relative permittivity | 40.05            |
| Conductivity (S/m)    | 1.45             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.73             |
| Crest factor:         | 1:1              |

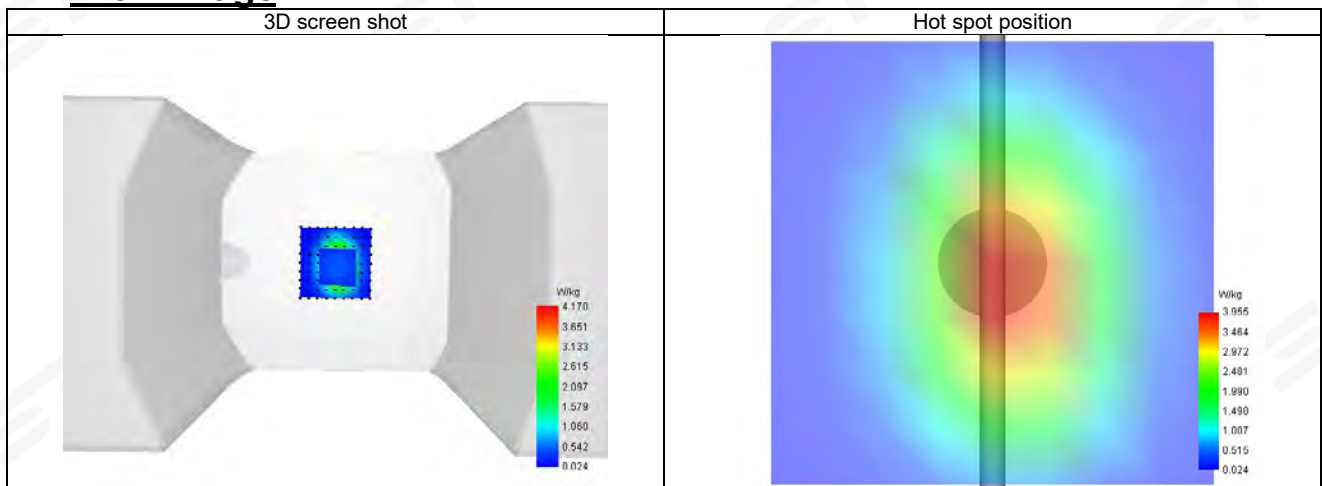
**D. SAR 1g & 10g**

|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 2.030     |
| SAR 1g (W/Kg)                                         | 3.909     |
| Horizontal validation criteria: minimum distance (mm) | 11.250141 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 59.365210 |

### E. Z Axis Scan



### F. 3D Image



**System Performance Check Data (2450MHz)**

Type: Phone measurement (Complete)

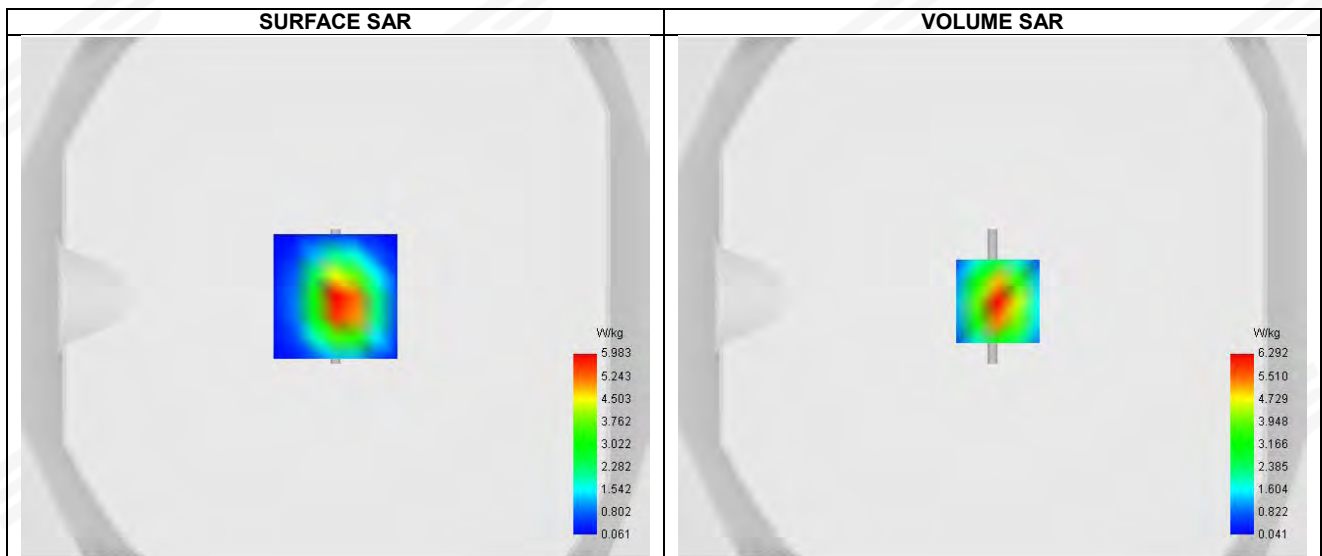
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-10-27

**Experimental conditions.**

|                       |                  |
|-----------------------|------------------|
| Device Position       | Validation plane |
| Band                  | 2450 MHz         |
| Channels              | -                |
| Signal                | CW               |
| Frequency (MHz)       | 2450             |
| Relative permittivity | 39.41            |
| Conductivity (S/m)    | 1.79             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.82             |
| Crest factor:         | 1:1              |

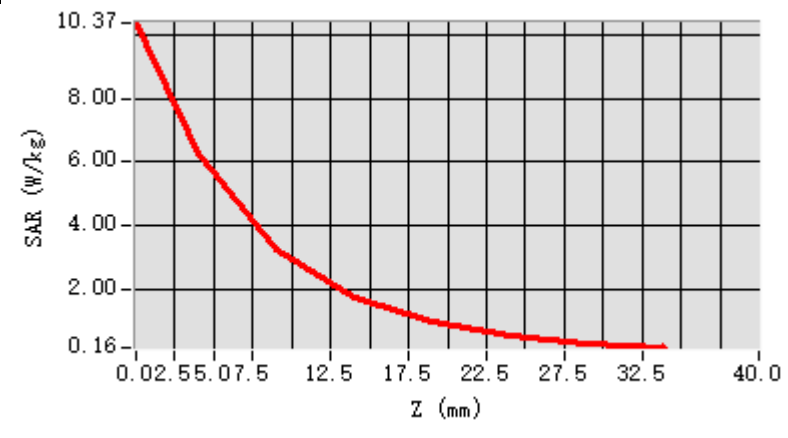


Maximum location: X=2.00, Y=-2.00 ; SAR Peak: 10.29 W/kg

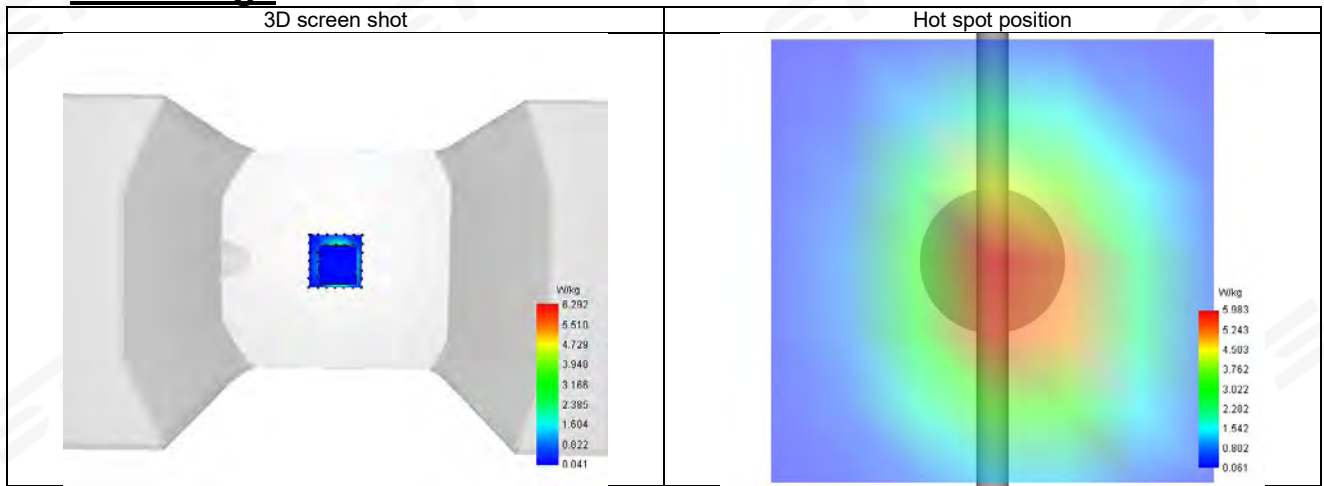
**D. SAR 1g & 10g**

|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 2.422     |
| SAR 1g (W/Kg)                                         | 5.394     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 51.545439 |

## E. Z Axis Scan



## F. 3D Image



**System Performance Check Data (2600MHz)**

Type: Phone measurement (Complete)

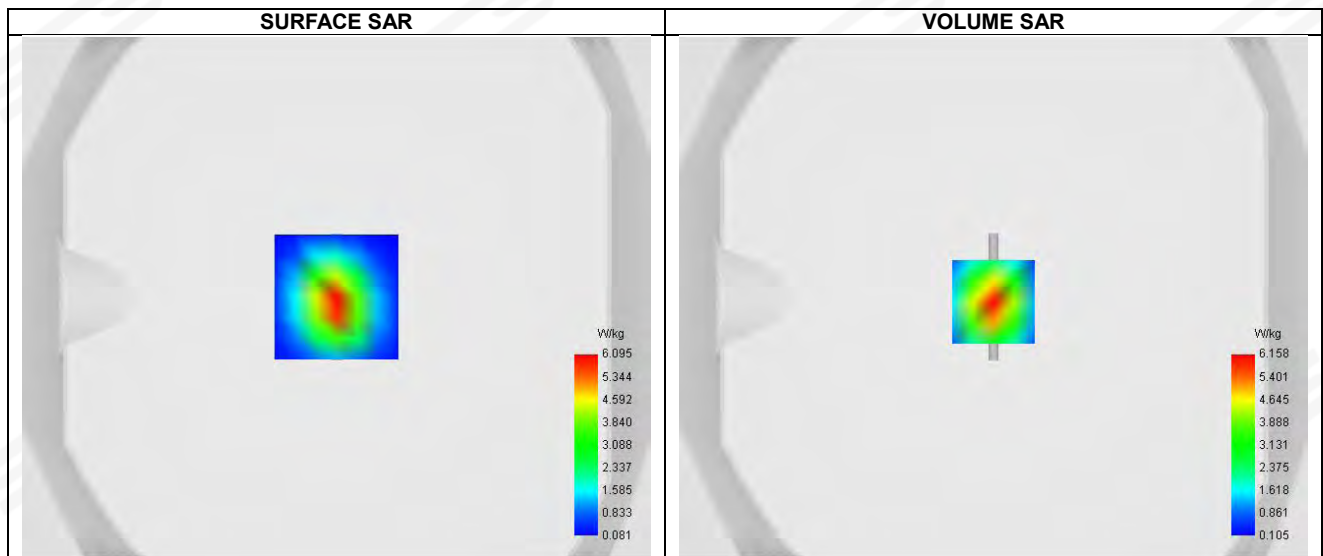
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-10-27

**Experimental conditions.**

|                       |                  |
|-----------------------|------------------|
| Device Position       | Validation plane |
| Band                  | 2600 MHz         |
| Channels              | -                |
| Signal                | CW               |
| Frequency (MHz)       | 2600             |
| Relative permittivity | 39.82            |
| Conductivity (S/m)    | 1.97             |
| Probe                 | SN 08/21 EPGO352 |
| ConvF                 | 1.70             |
| Crest factor:         | 1:1              |

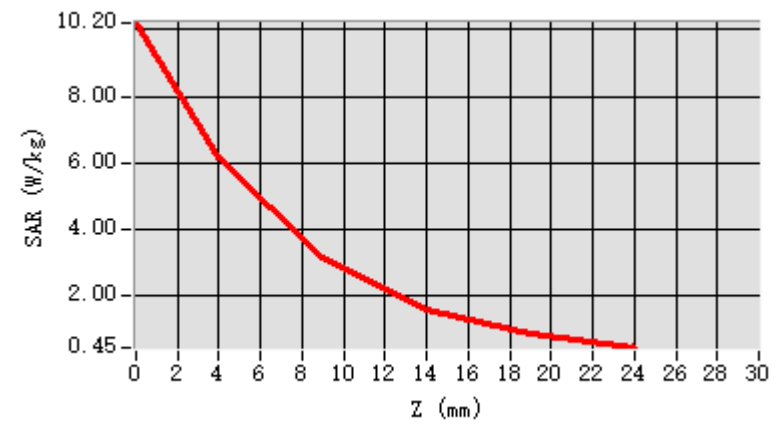


Maximum location: X=0.00, Y=-2.00 ; SAR Peak: 10.20 W/kg

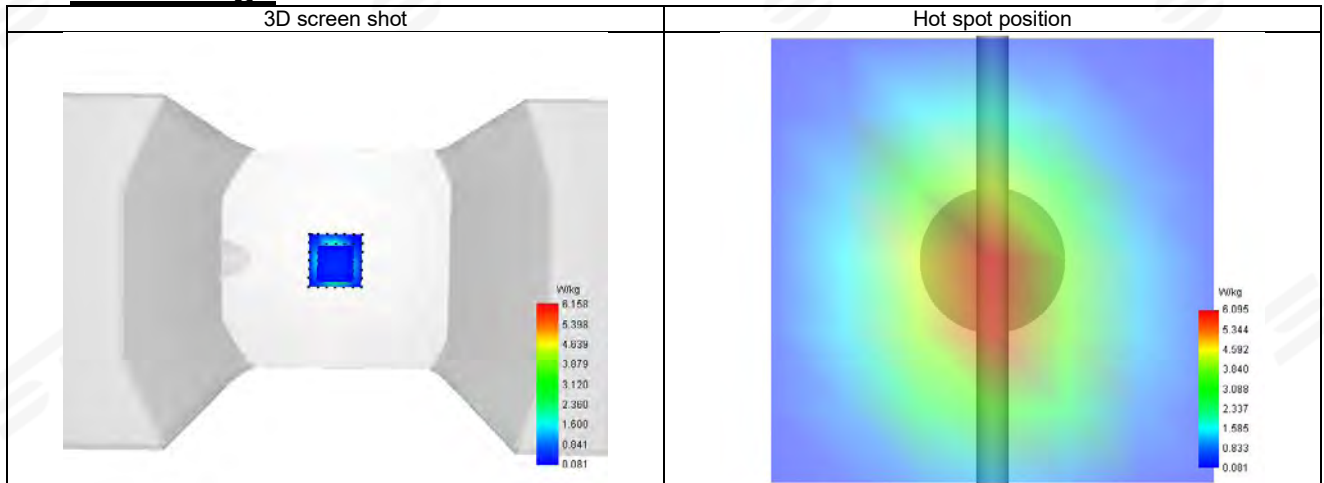
**D. SAR 1g & 10g**

|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 2.432     |
| SAR 1g (W/Kg)                                         | 5.679     |
| Horizontal validation criteria: minimum distance (mm) | 12.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 51.365521 |

## E. Z Axis Scan



## F. 3D Image

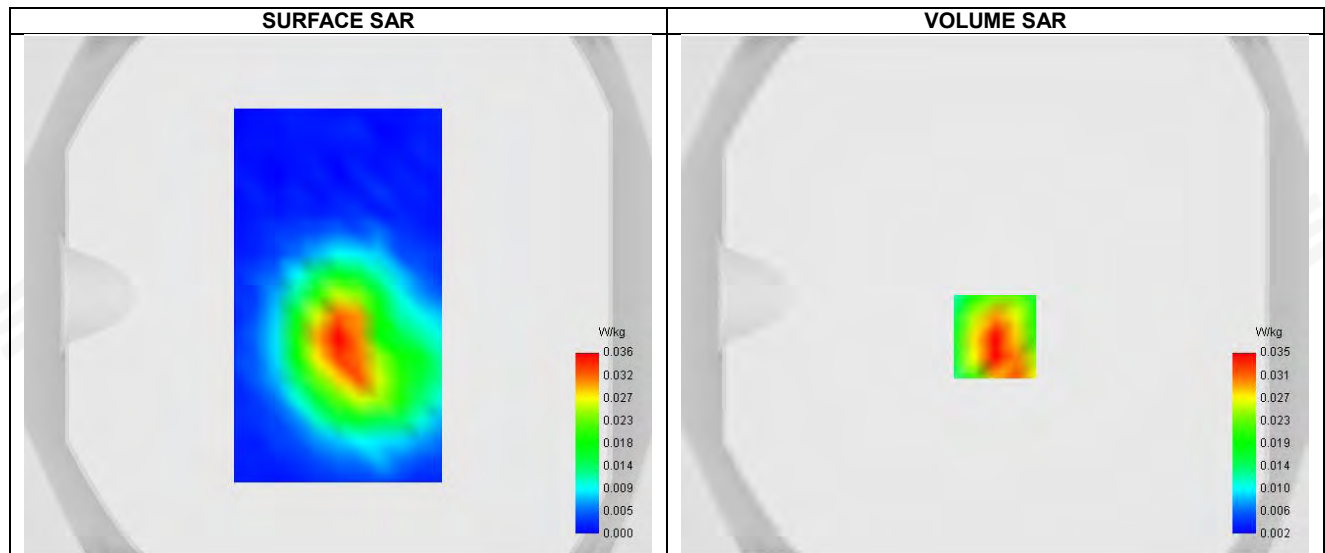




## Appendix B. SAR Test Plots

Plot 1: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-21                              |
| ConvF                             | 1.49                                    |
| 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                              | GPRS 850                                |
| Signal                            | Duty Cycle: 2.00 (Crest factor: 2.0)    |
| Frequency (MHz)                   | 848.8                                   |
| Relative permittivity (real part) | 42.07                                   |
| Conductivity (S/m)                | 0.89                                    |

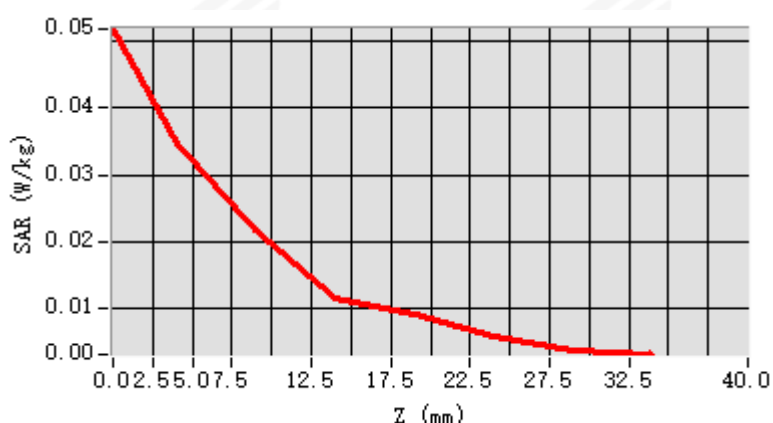


### D. SAR 1g & 10g

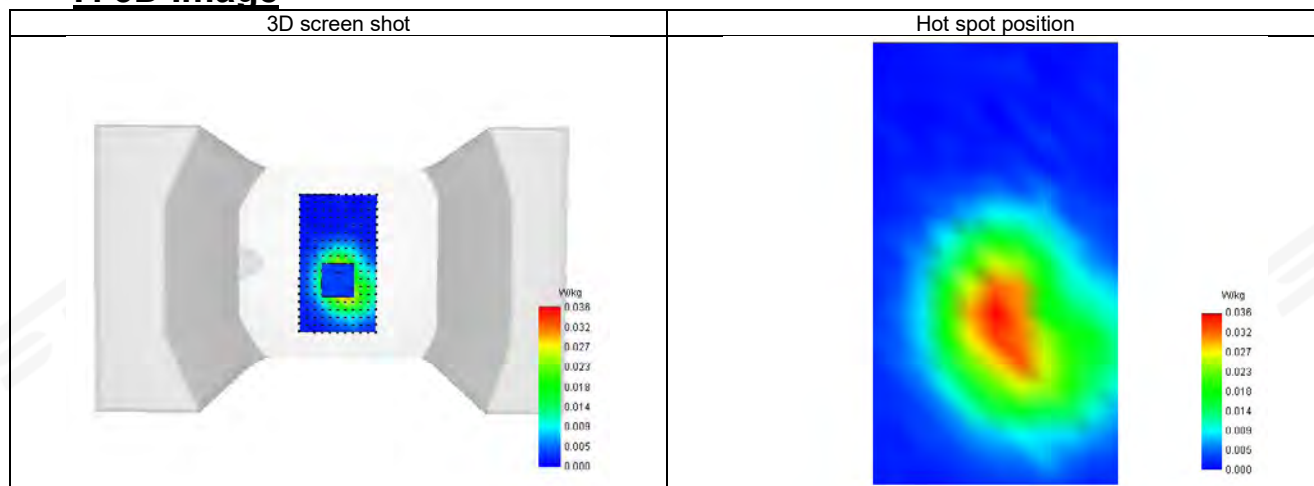
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.019     |
| SAR 1g (W/Kg)                                         | 0.034     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 62.985863 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.052 | 0.035 | 0.022 | 0.012 | 0.009 | 0.006 | 0.004 |



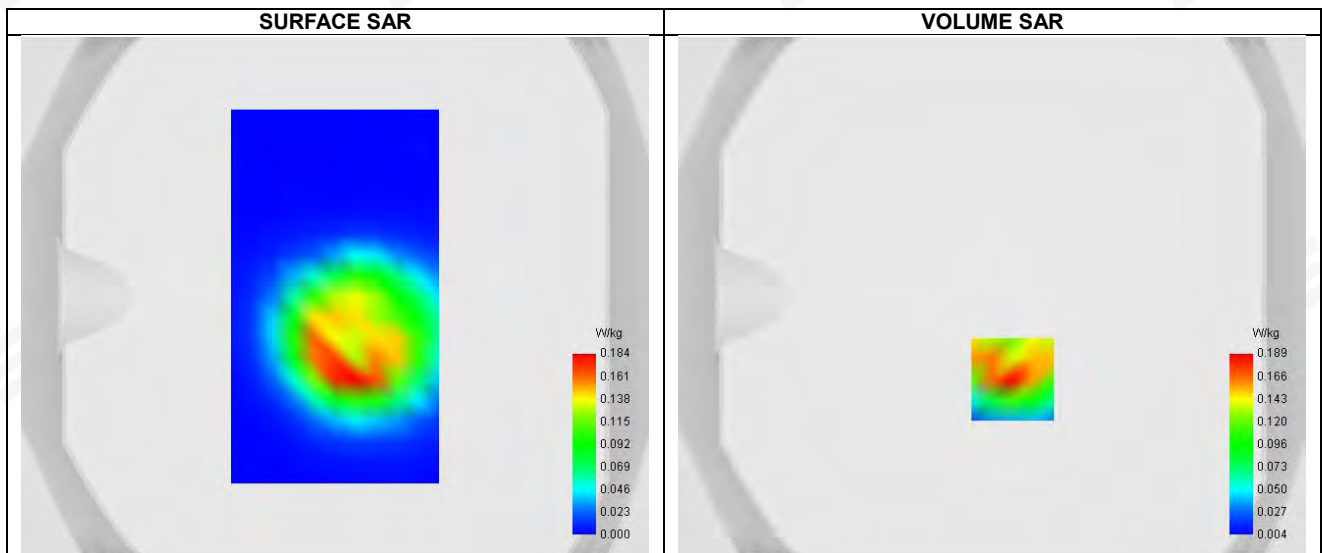
### F. 3D Image





Plot 2: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-21                              |
| ConvF                             | 1.49                                    |
| Probe                             | SN 08/21 EPG0352                        |
| Area Scan                         | dx=8mm dy=8mm, Complete                 |
| Zoom Scan                         | 5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Limbs                                   |
| Device Position                   | Wrist                                   |
| Band                              | GPRS 850                                |
| Signal                            | Duty Cycle: 2.00 (Crest factor: 2.0)    |
| Frequency (MHz)                   | 848.8                                   |
| Relative permittivity (real part) | 42.07                                   |
| Conductivity (S/m)                | 0.89                                    |



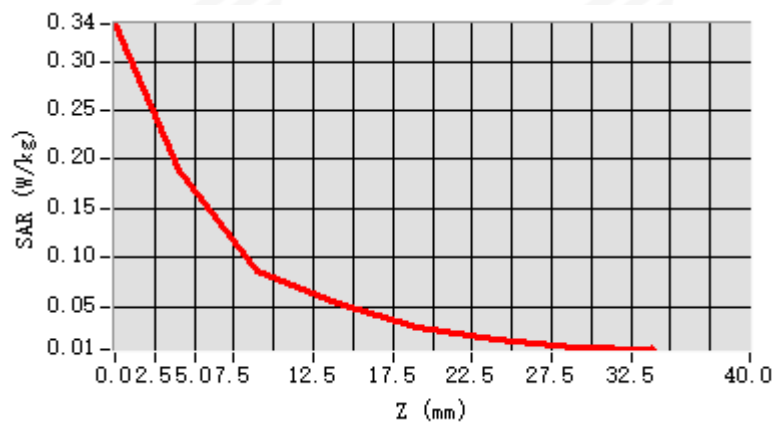
Maximum location: X=8.00, Y=-32.00 ; SAR Peak: 0.33 W/kg

**D. SAR 1g & 10g**

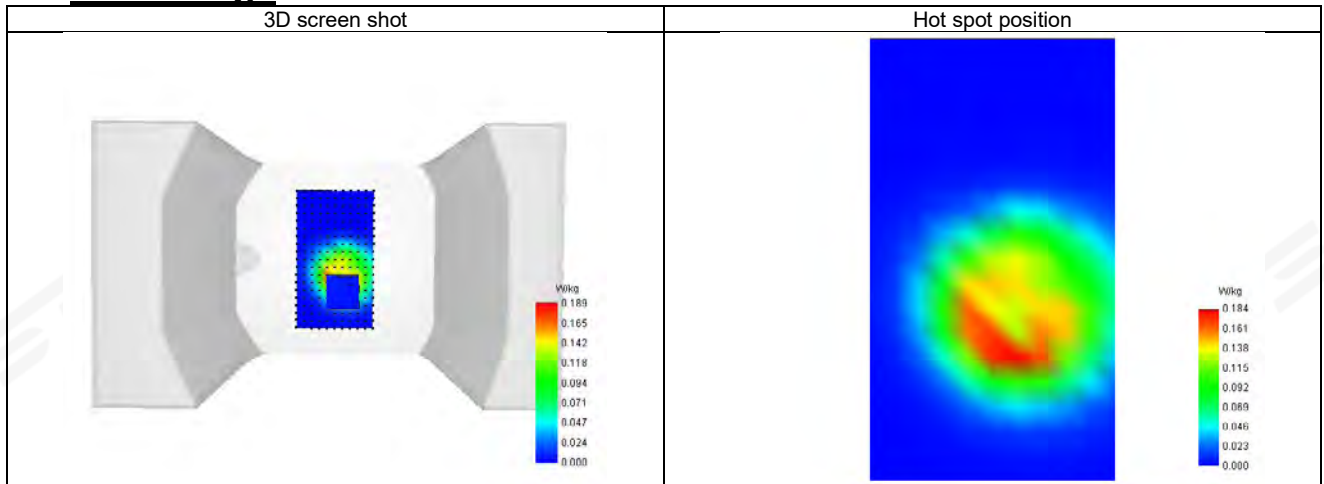
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.086     |
| SAR 1g (W/Kg)                                         | 0.177     |
| Horizontal validation criteria: minimum distance (mm) | 11.313708 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 46.117910 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.338 | 0.189 | 0.087 | 0.053 | 0.029 | 0.016 | 0.009 |



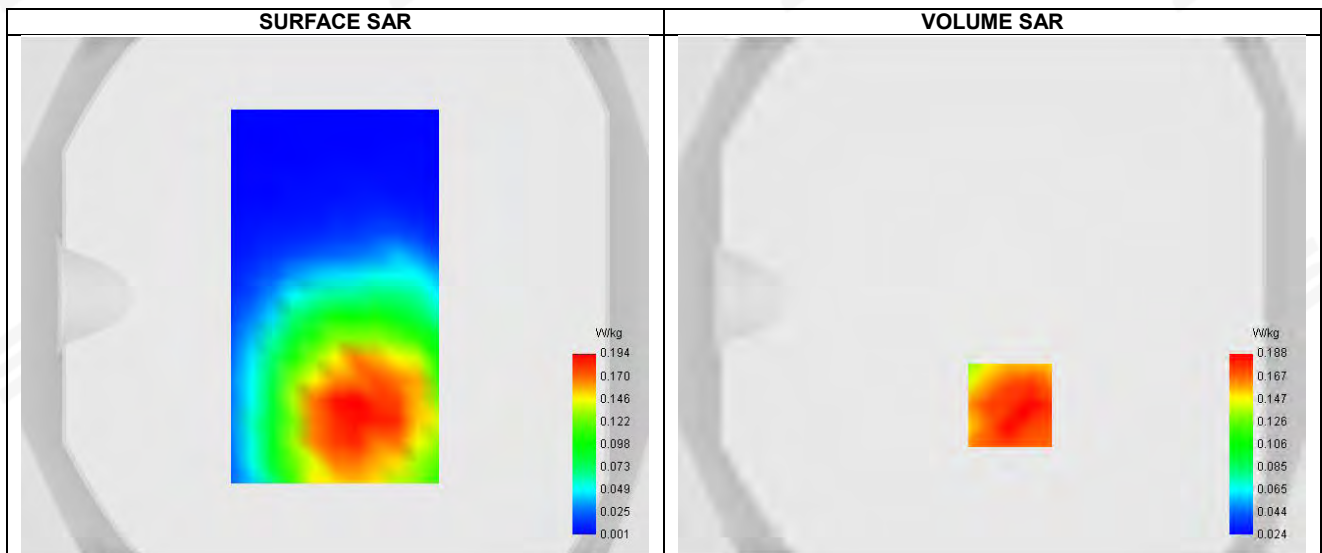
### F. 3D Image





Plot 3: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-24                              |
| ConvF                             | 1.73                                    |
| 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                              | GPRS 1900                               |
| Signal                            | Duty Cycle: 2.00 (Crest factor: 2.0)    |
| Frequency (MHz)                   | 1880                                    |
| Relative permittivity (real part) | 40.99                                   |
| Conductivity (S/m)                | 1.37                                    |

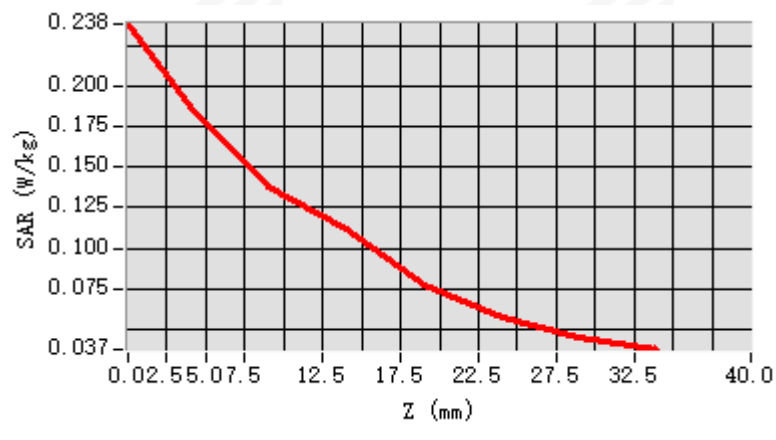


#### D. SAR 1g & 10g

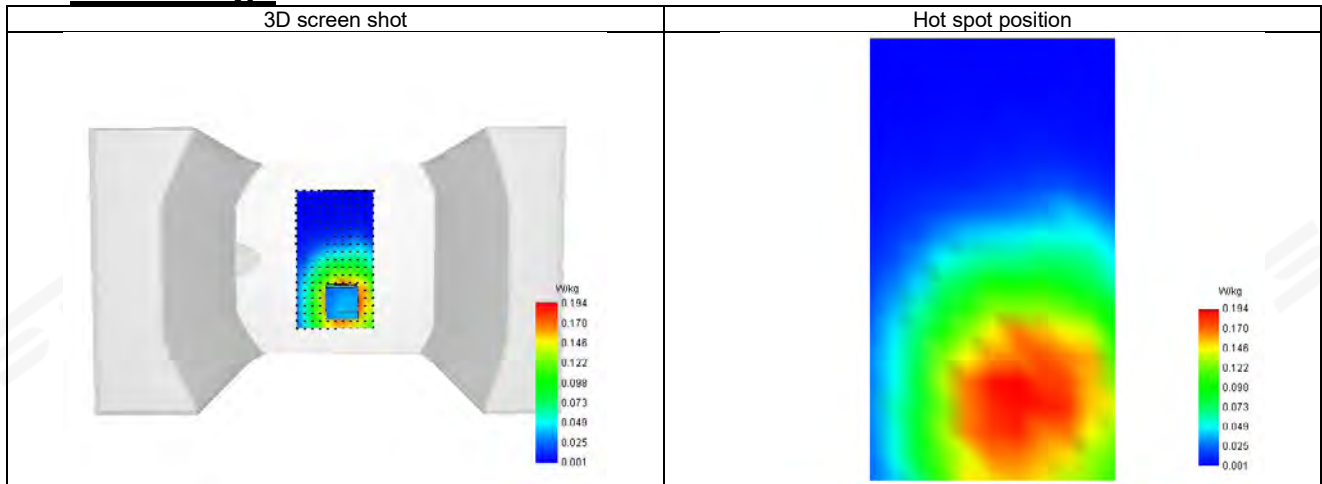
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.122     |
| SAR 1g (W/Kg)                                         | 0.162     |
| Horizontal validation criteria: minimum distance (mm) | 10.252114 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 73.404114 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.238 | 0.188 | 0.138 | 0.112 | 0.077 | 0.058 | 0.044 |



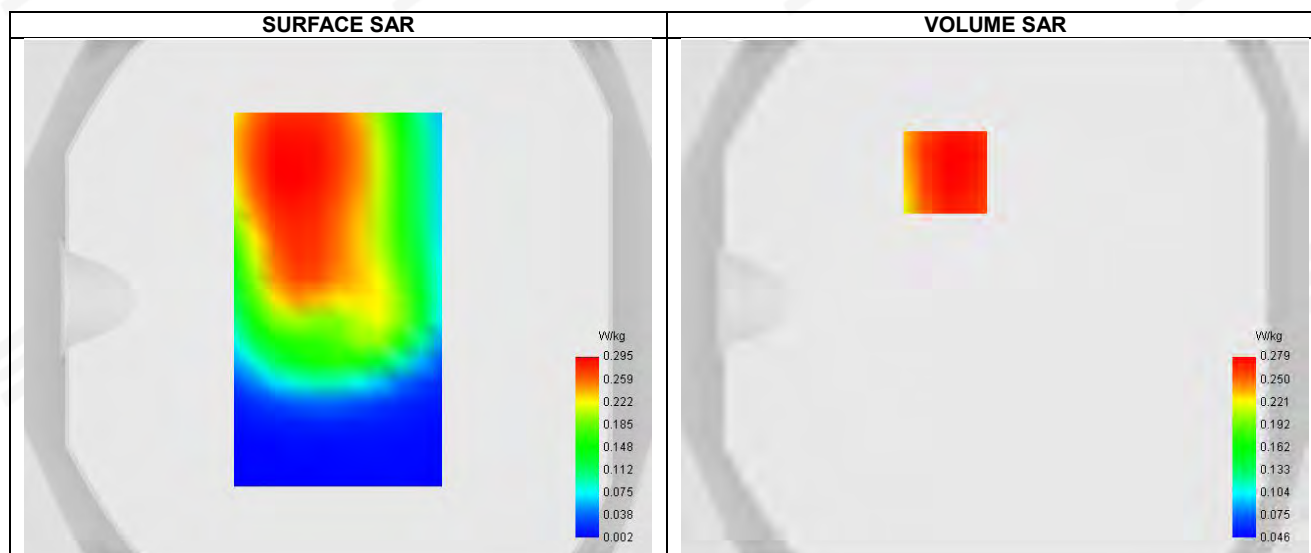
### F. 3D Image





Plot 4: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-24                              |
| ConvF                             | 1.73                                    |
| Probe                             | SN 08/21 EPG0352                        |
| Area Scan                         | dx=8mm dy=8mm, Complete                 |
| Zoom Scan                         | 5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Limbs                                   |
| Device Position                   | Wrist                                   |
| Band                              | GPRS 1900                               |
| Signal                            | Duty Cycle: 2.00 (Crest factor: 2.0)    |
| Frequency (MHz)                   | 1880                                    |
| Relative permittivity (real part) | 40.99                                   |
| Conductivity (S/m)                | 1.37                                    |



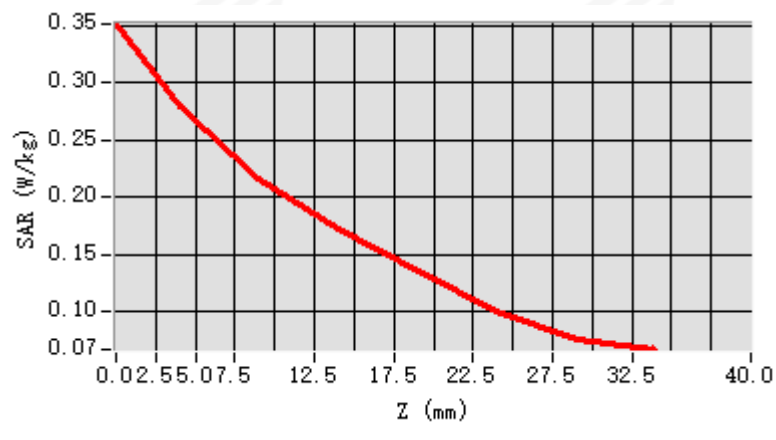
Maximum location: X=-19.00, Y=49.00 ; SAR Peak: 0.35 W/kg

**D. SAR 1g & 10g**

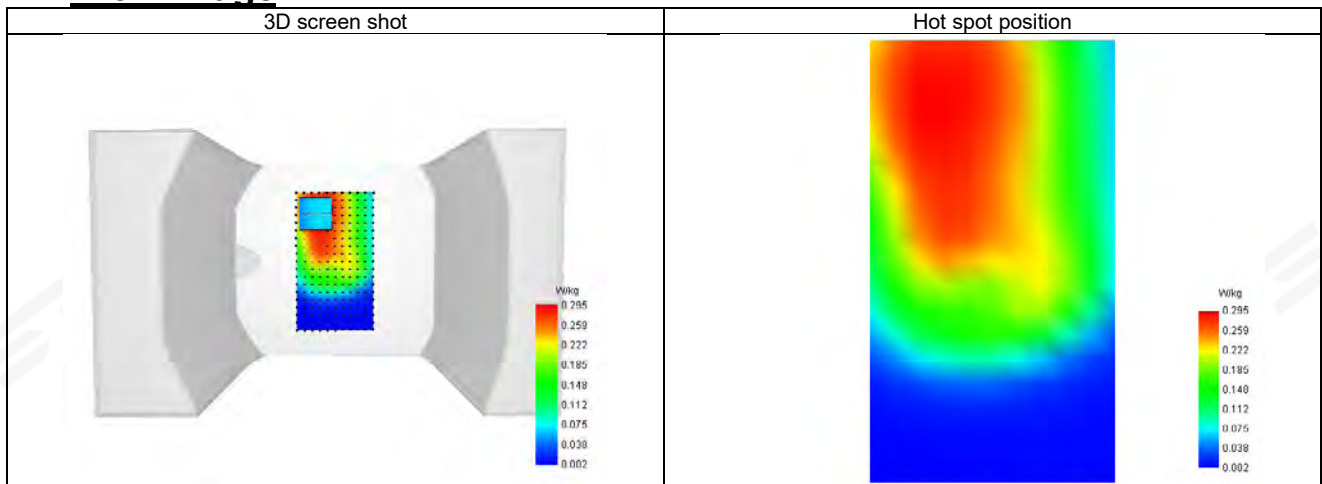
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.206     |
| SAR 1g (W/Kg)                                         | 0.276     |
| Horizontal validation criteria: minimum distance (mm) | 12.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 78.221411 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.351 | 0.279 | 0.217 | 0.172 | 0.136 | 0.101 | 0.077 |



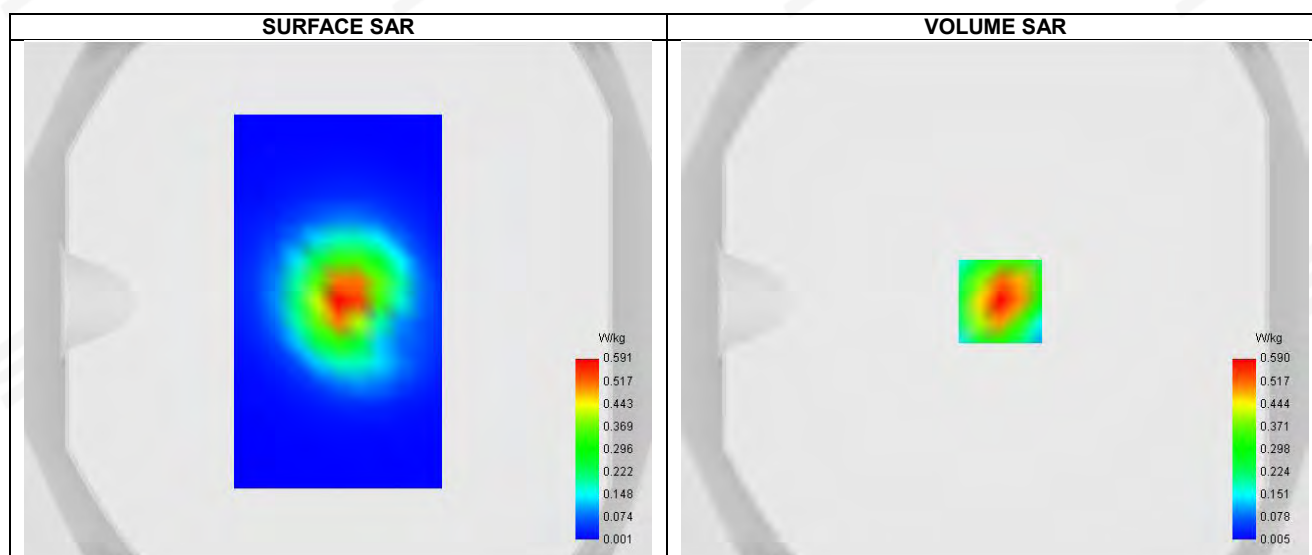
### F. 3D Image





Plot 5: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-24                              |
| ConvF                             | 1.73                                    |
| 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                              | WCDMA 2                                 |
| Signal                            | WCDMA (Crest factor: 1.0)               |
| Frequency (MHz)                   | 1880                                    |
| Relative permittivity (real part) | 40.99                                   |
| Conductivity (S/m)                | 1.37                                    |



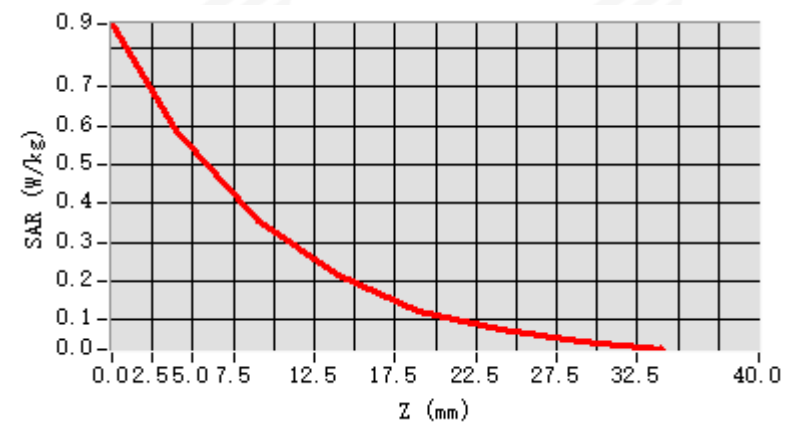
Maximum location: X=2.00, Y=0.00 ; SAR Peak: 0.86 W/kg

### D. SAR 1g & 10g

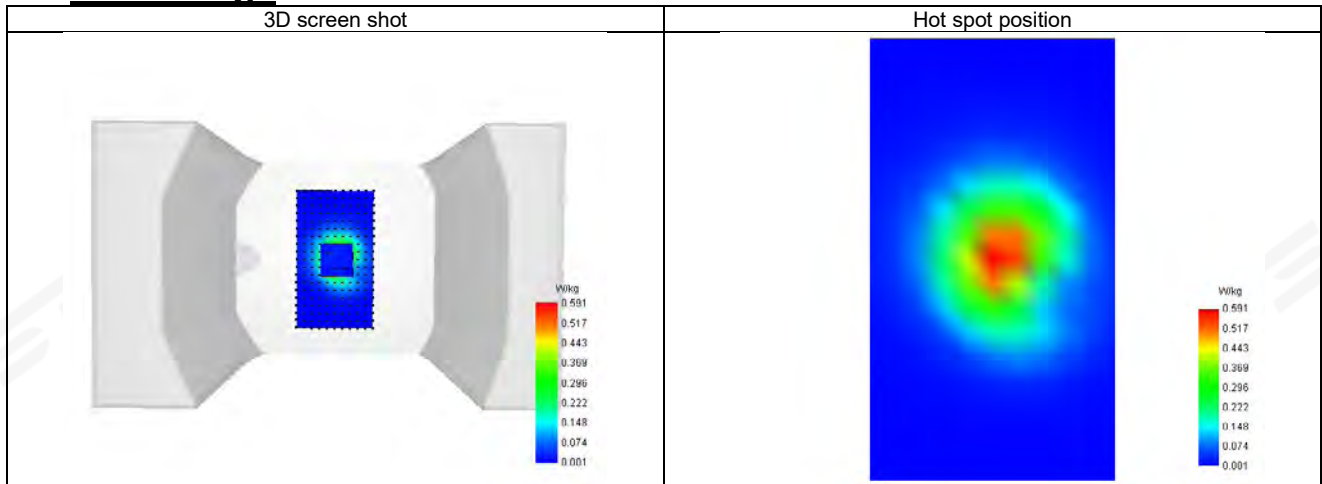
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.296     |
| SAR 1g (W/Kg)                                         | 0.549     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 60.490004 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.862 | 0.590 | 0.357 | 0.214 | 0.125 | 0.075 | 0.044 |



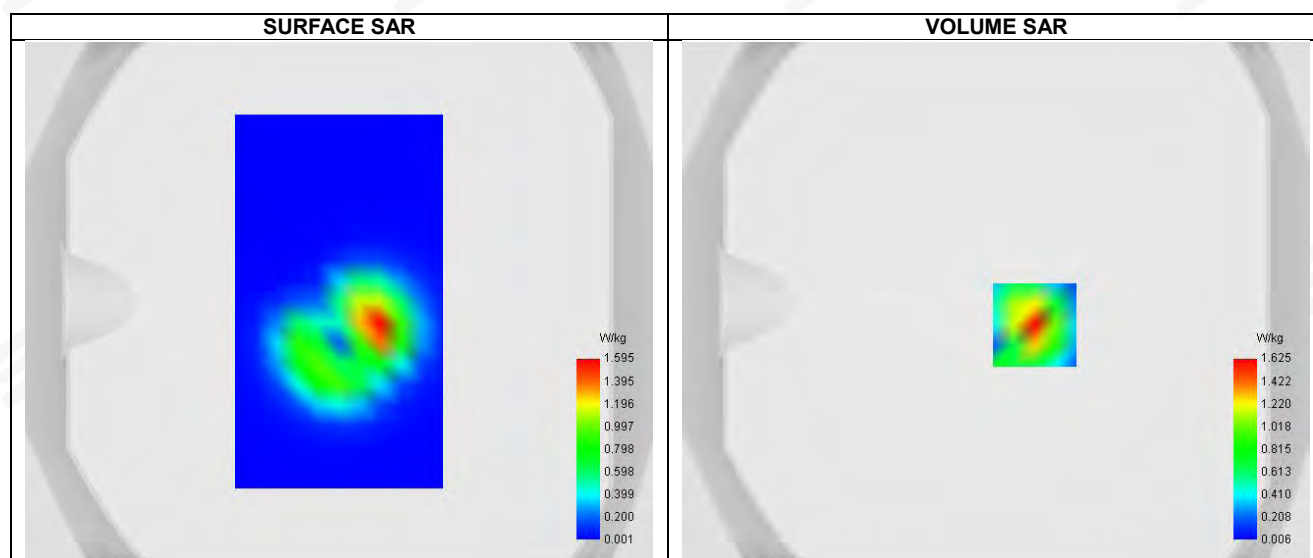
### F. 3D Image





Plot 6: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-24                              |
| ConvF                             | 1.73                                    |
| Probe                             | SN 08/21 EPG0352                        |
| Area Scan                         | dx=8mm dy=8mm, Complete                 |
| Zoom Scan                         | 5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Limbs                                   |
| Device Position                   | Wrist                                   |
| Band                              | WCDMA 2                                 |
| Signal                            | WCDMA (Crest factor: 1.0)               |
| Frequency (MHz)                   | 1880                                    |
| Relative permittivity (real part) | 40.99                                   |
| Conductivity (S/m)                | 1.37                                    |



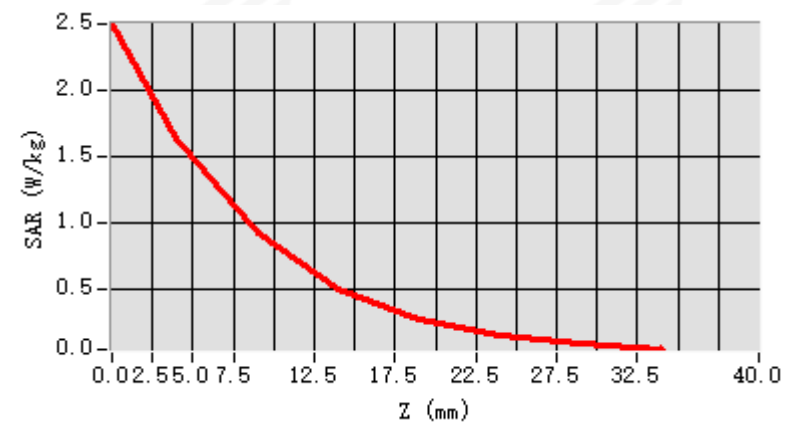
Maximum location: X=15.00, Y=-9.00 ; SAR Peak: 2.52 W/kg

**D. SAR 1g & 10g**

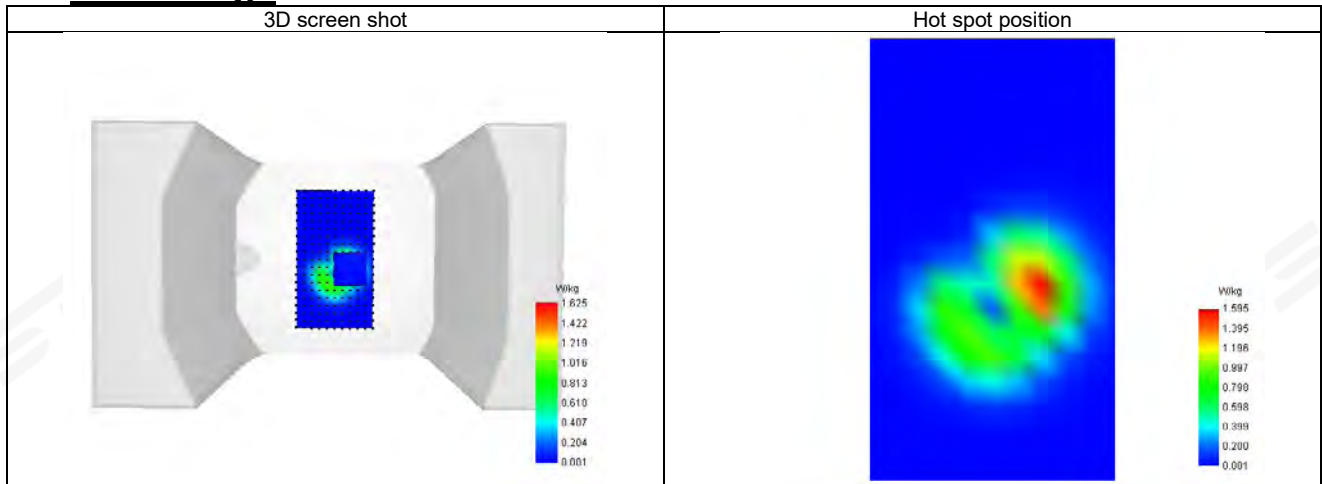
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.683     |
| SAR 1g (W/Kg)                                         | 1.461     |
| Horizontal validation criteria: minimum distance (mm) | 11.313708 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 56.330827 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 2.495 | 1.625 | 0.915 | 0.497 | 0.271 | 0.149 | 0.082 |



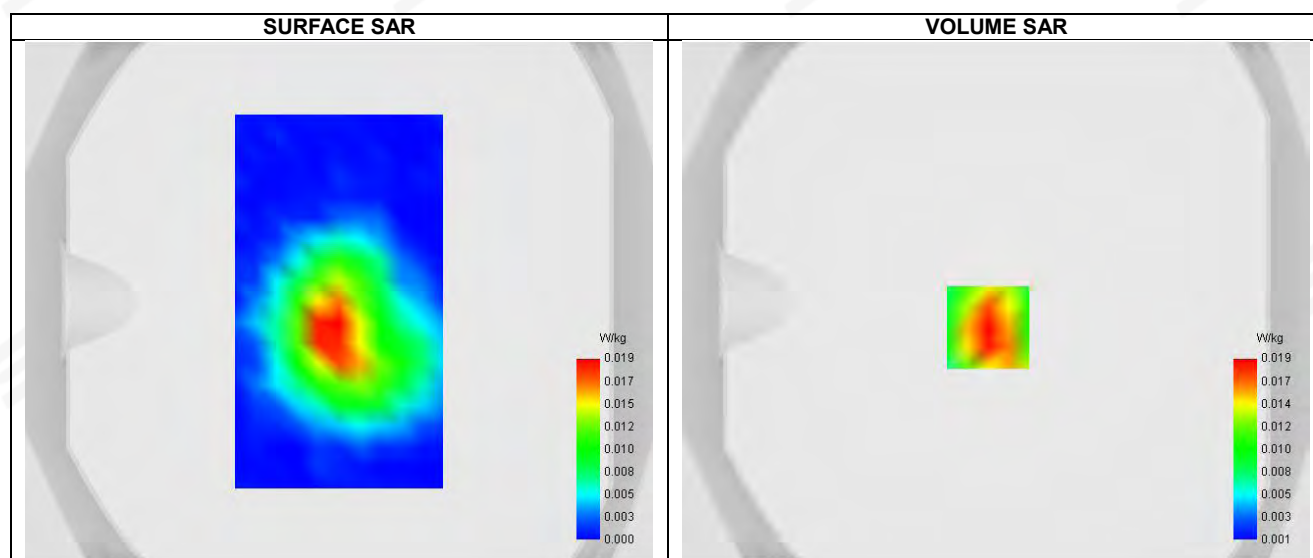
### F. 3D Image





Plot 7: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-21                              |
| ConvF                             | 1.49                                    |
| 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                              | WCDMA 5                                 |
| Signal                            | WCDMA (Crest factor: 1.0)               |
| Frequency (MHz)                   | 846.6                                   |
| Relative permittivity (real part) | 41.76                                   |
| Conductivity (S/m)                | 0.90                                    |



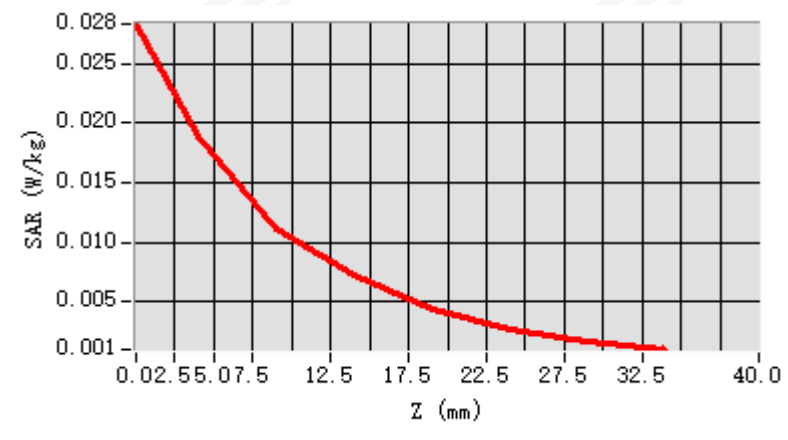
Maximum location: X=-3.00, Y=-10.00 ; SAR Peak: 0.03 W/kg

**D. SAR 1g & 10g**

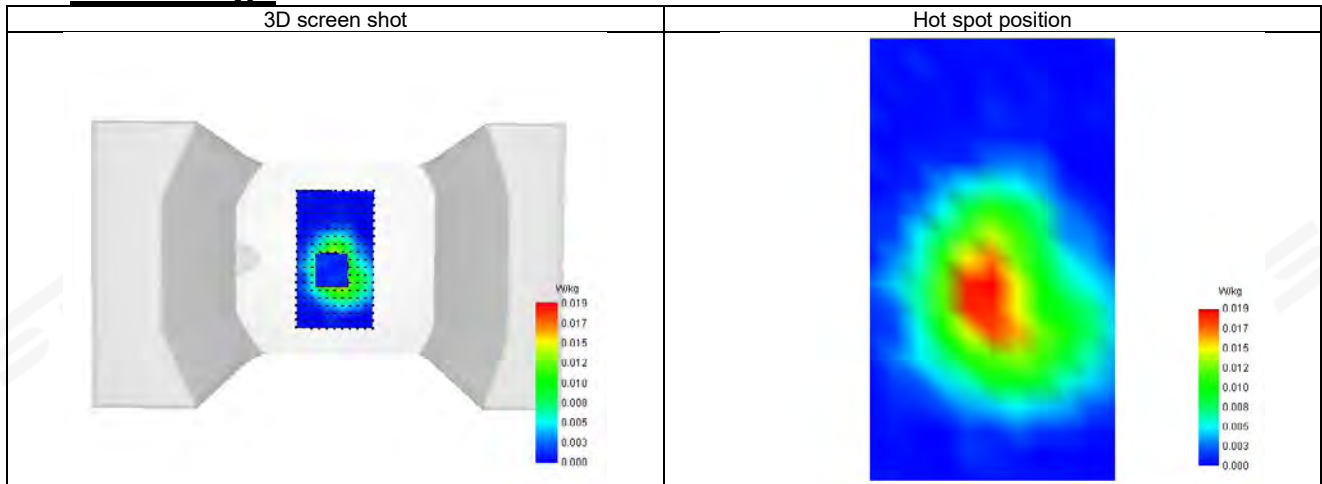
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.010     |
| SAR 1g (W/Kg)                                         | 0.018     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 59.540044 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.028 | 0.019 | 0.011 | 0.007 | 0.004 | 0.003 | 0.002 |



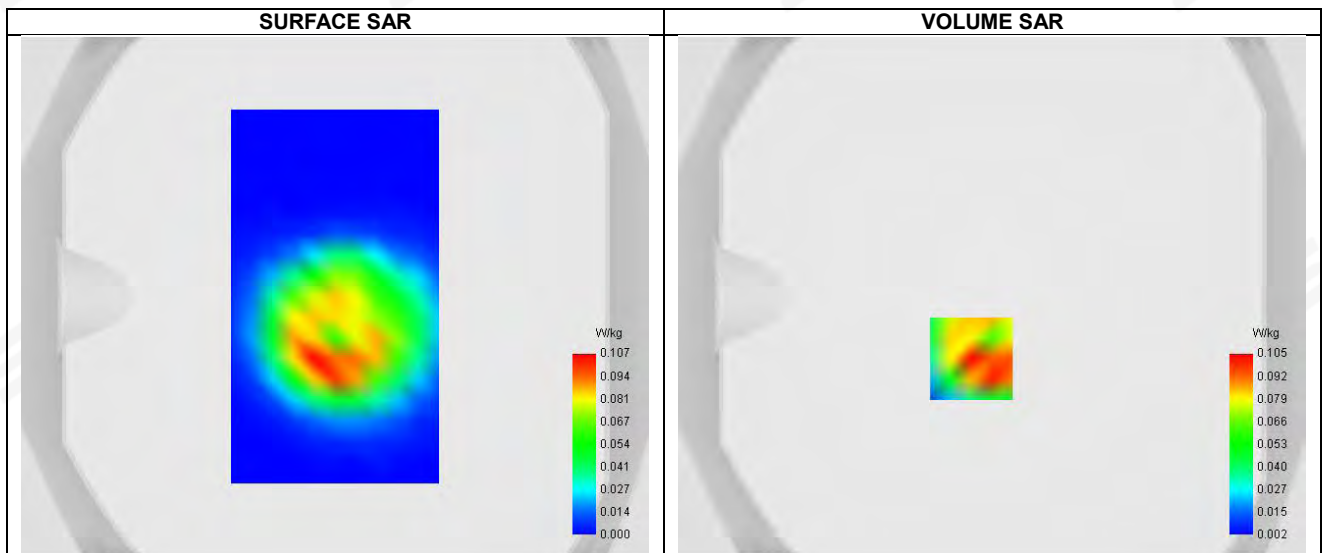
### F. 3D Image





Plot 8: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-21                              |
| ConvF                             | 1.49                                    |
| 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                   | Back                                    |
| Band                              | WCDMA 5                                 |
| Signal                            | WCDMA (Crest factor: 1.0)               |
| Frequency (MHz)                   | 846.6                                   |
| Relative permittivity (real part) | 41.76                                   |
| Conductivity (S/m)                | 0.90                                    |



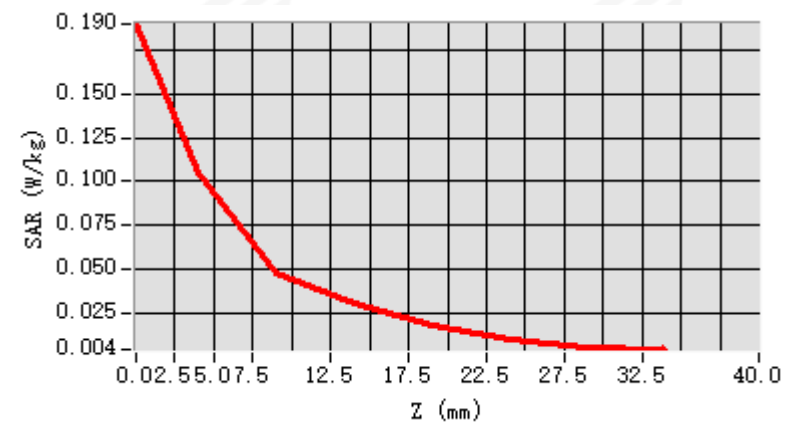
Maximum location: X=-8.00, Y=-24.00 ; SAR Peak: 0.19 W/kg

#### D. SAR 1g & 10g

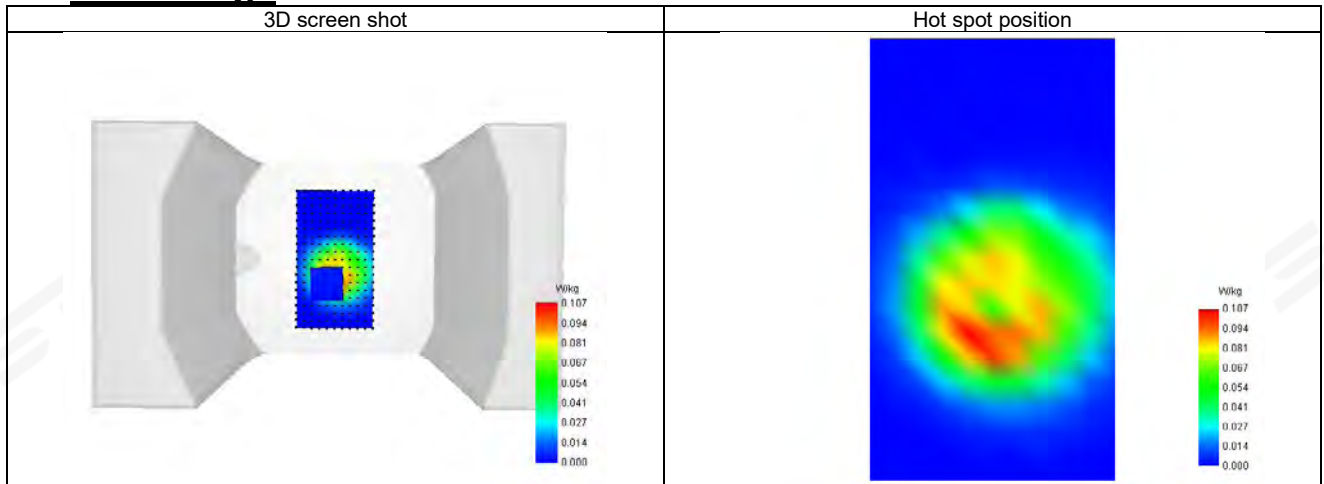
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.048     |
| SAR 1g (W/Kg)                                         | 0.103     |
| Horizontal validation criteria: minimum distance (mm) | 11.313708 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 47.155897 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.190 | 0.105 | 0.048 | 0.031 | 0.017 | 0.010 | 0.005 |



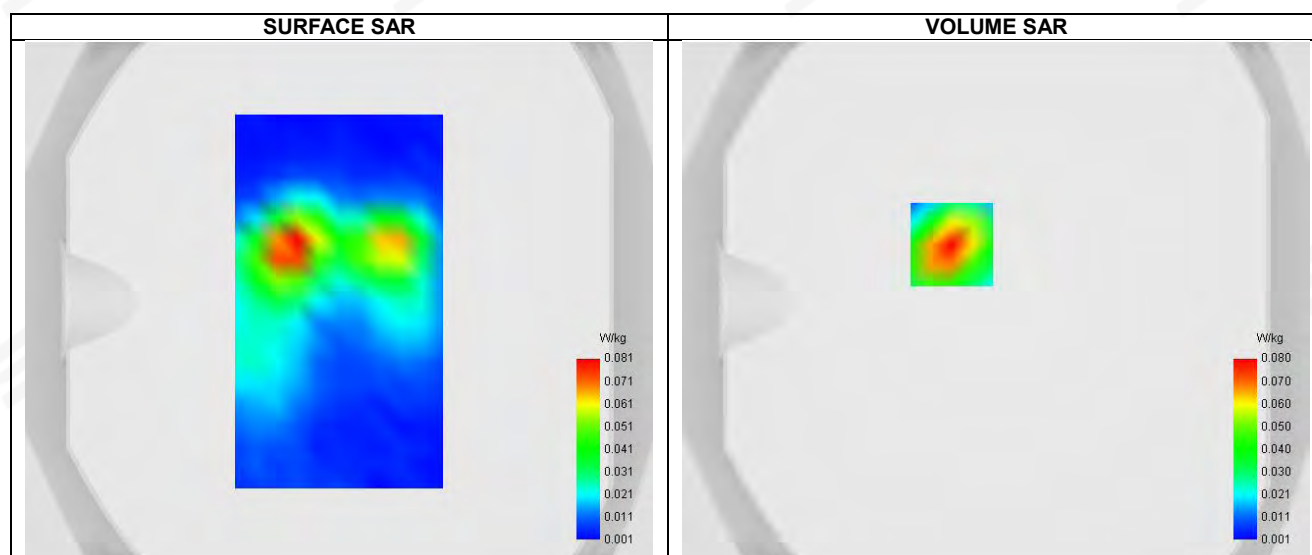
### F. 3D Image





Plot 9: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-27                              |
| ConvF                             | 1.82                                    |
| 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                              | 2.4GHz WLAN                             |
| Signal                            | 802.11b (Crest factor: 1.0)             |
| Frequency (MHz)                   | 2462                                    |
| Relative permittivity (real part) | 40.41                                   |
| Conductivity (S/m)                | 1.79                                    |



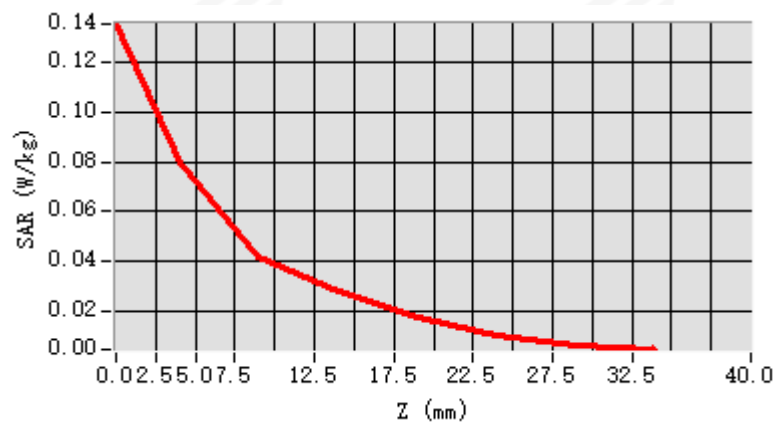
Maximum location: X=-17.00, Y=22.00 ; SAR Peak: 0.14 W/kg

### D. SAR 1g & 10g

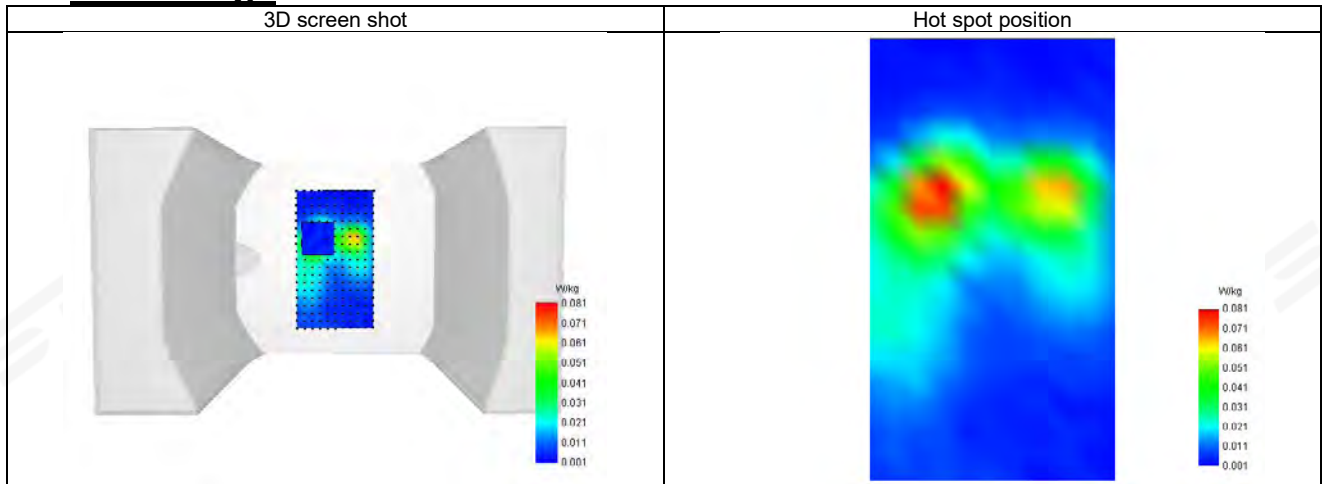
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.037     |
| SAR 1g (W/Kg)                                         | 0.077     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 51.792569 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.136 | 0.080 | 0.041 | 0.028 | 0.017 | 0.011 | 0.006 |



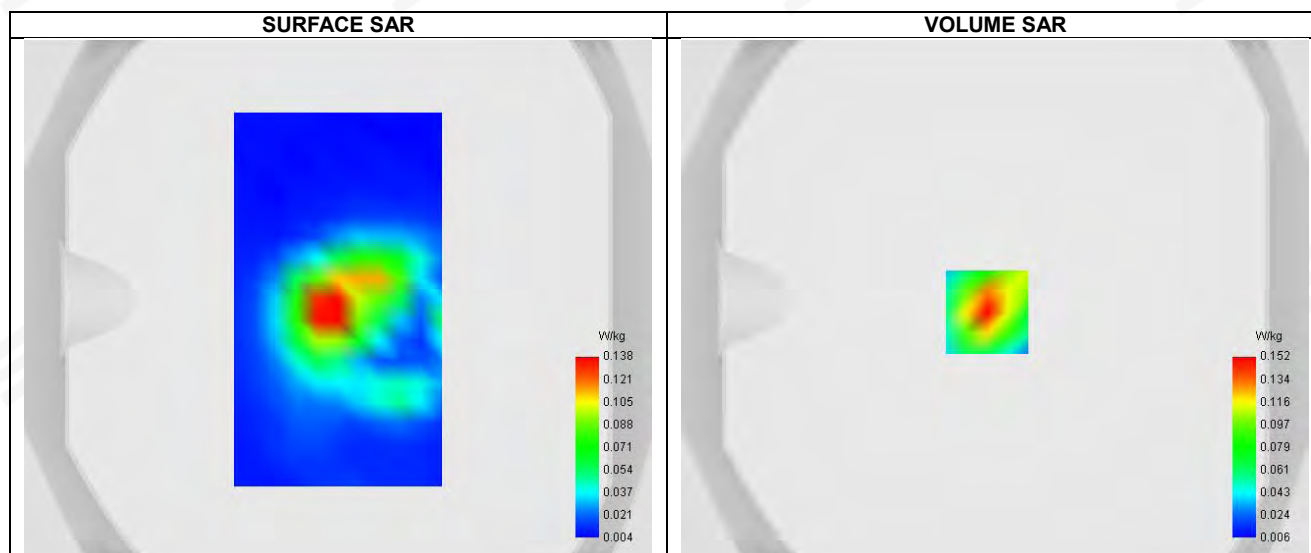
### F. 3D Image





Plot 10: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-27                              |
| ConvF                             | 1.82                                    |
| Probe                             | SN 08/21 EPG0352                        |
| Area Scan                         | dx=8mm dy=8mm, Complete                 |
| Zoom Scan                         | 5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Limbs                                   |
| Device Position                   | Wrist                                   |
| Band                              | 2.4GHz WLAN                             |
| Signal                            | 802.11b (Crest factor: 1.0)             |
| Frequency (MHz)                   | 2462                                    |
| Relative permittivity (real part) | 40.41                                   |
| Conductivity (S/m)                | 1.79                                    |



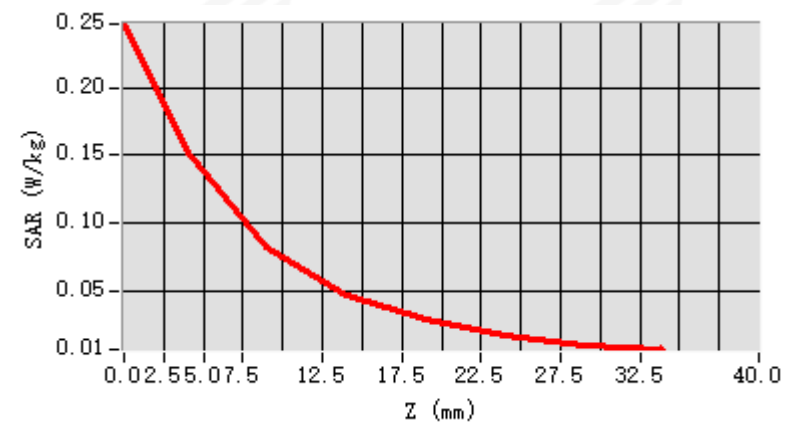
Maximum location: X=-3.00, Y=-5.00 ; SAR Peak: 0.25 W/kg

### D. SAR 1g & 10g

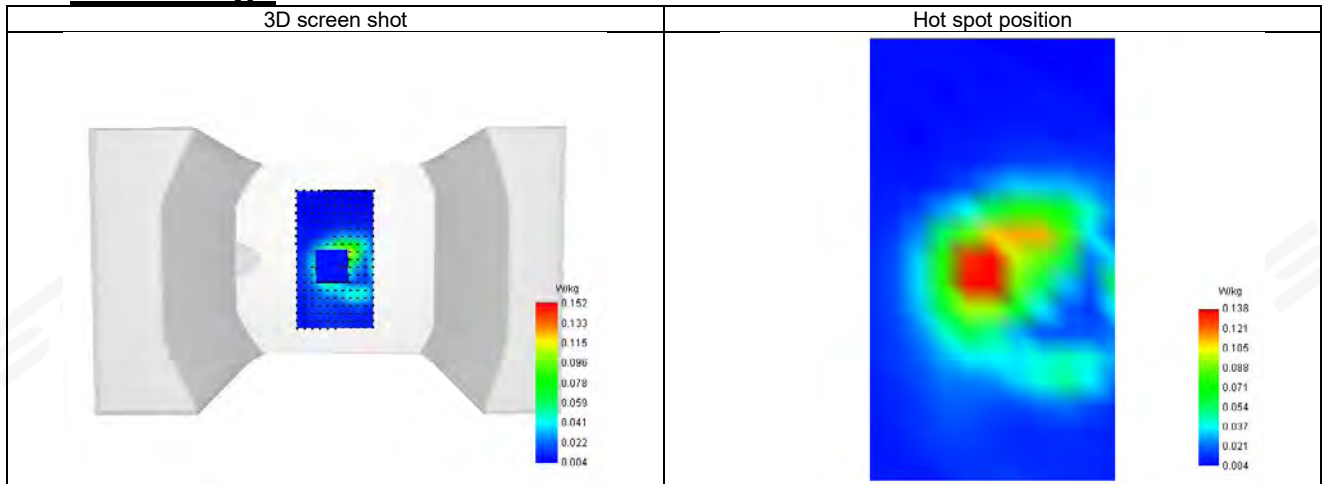
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.072     |
| SAR 1g (W/Kg)                                         | 0.142     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 54.131131 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.247 | 0.152 | 0.082 | 0.046 | 0.028 | 0.016 | 0.009 |



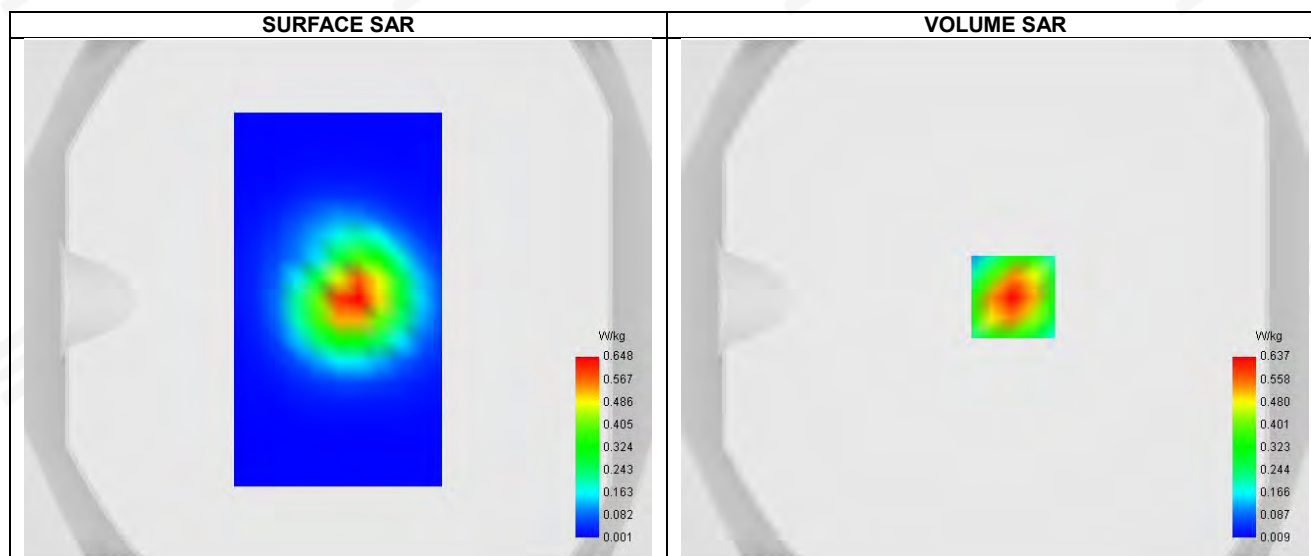
### F. 3D Image





Plot 11: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-24                              |
| ConvF                             | 1.73                                    |
| 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                            | LTE (Crest factor: 1.0)                 |
| Frequency (MHz)                   | 1880                                    |
| Relative permittivity (real part) | 40.99                                   |
| Conductivity (S/m)                | 1.37                                    |



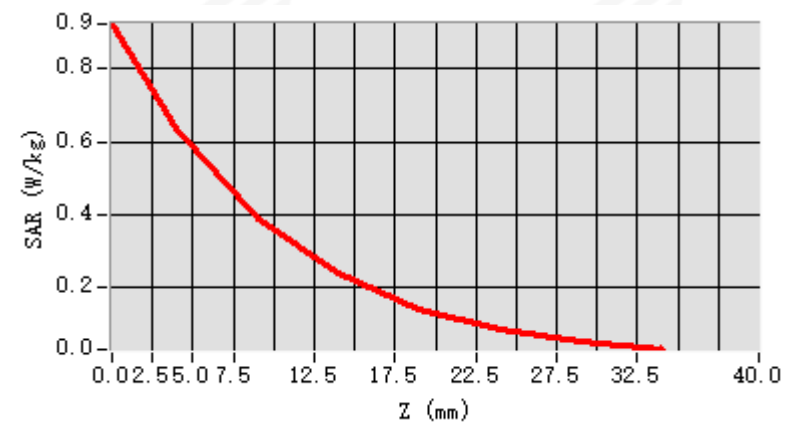
Maximum location: X=7.00, Y=1.00 ; SAR Peak: 0.92 W/kg

### D. SAR 1g & 10g

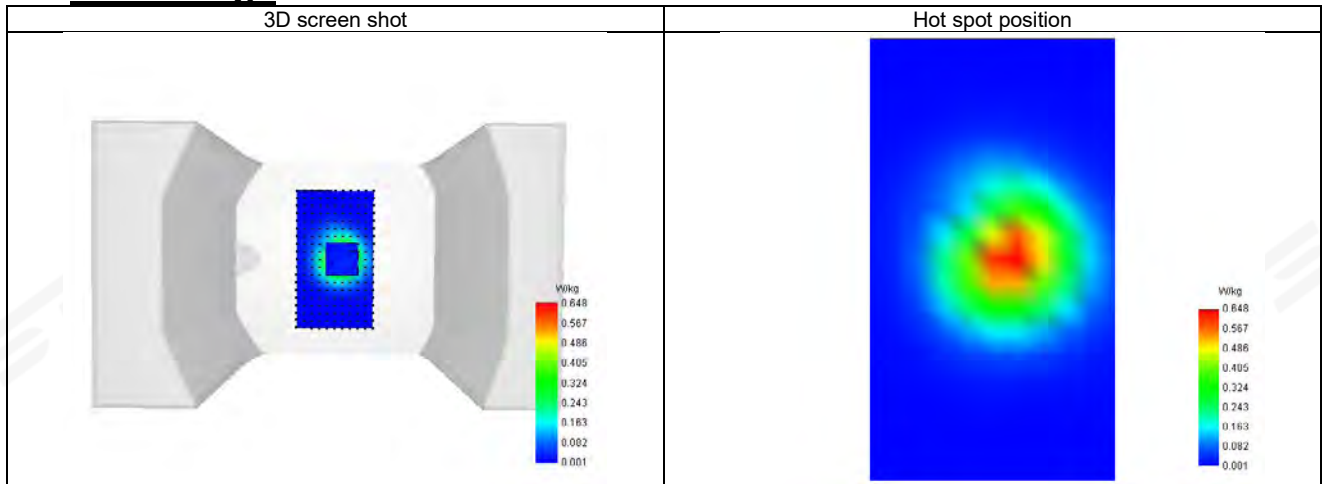
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.326     |
| SAR 1g (W/Kg)                                         | 0.595     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 61.417160 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.923 | 0.637 | 0.391 | 0.237 | 0.143 | 0.087 | 0.053 |



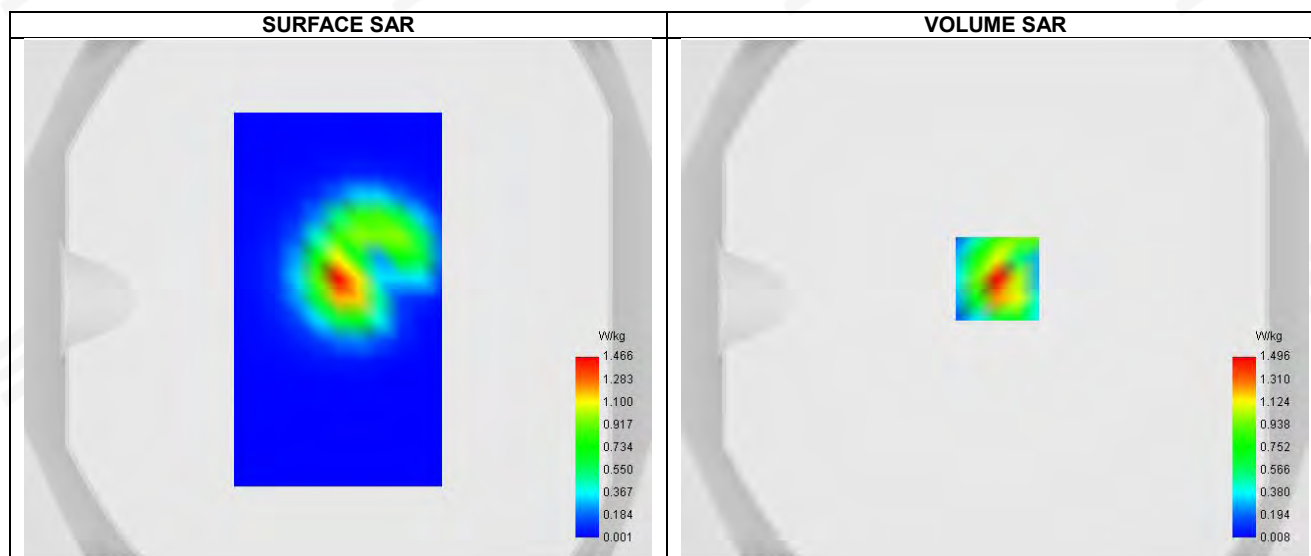
### F. 3D Image





Plot 12: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-24                              |
| ConvF                             | 1.73                                    |
| Probe                             | SN 08/21 EPG0352                        |
| Area Scan                         | dx=8mm dy=8mm, Complete                 |
| Zoom Scan                         | 5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Limbs                                   |
| Device Position                   | Wrist                                   |
| Band                              | LTE band 2                              |
| Signal                            | LTE (Crest factor: 1.0)                 |
| Frequency (MHz)                   | 1880                                    |
| Relative permittivity (real part) | 40.99                                   |
| Conductivity (S/m)                | 1.37                                    |



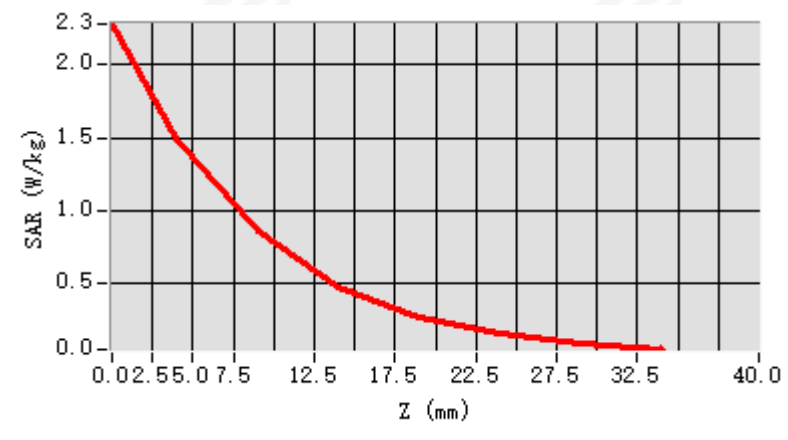
Maximum location: X=1.00, Y=8.00 ; SAR Peak: 2.29 W/kg

**D. SAR 1g & 10g**

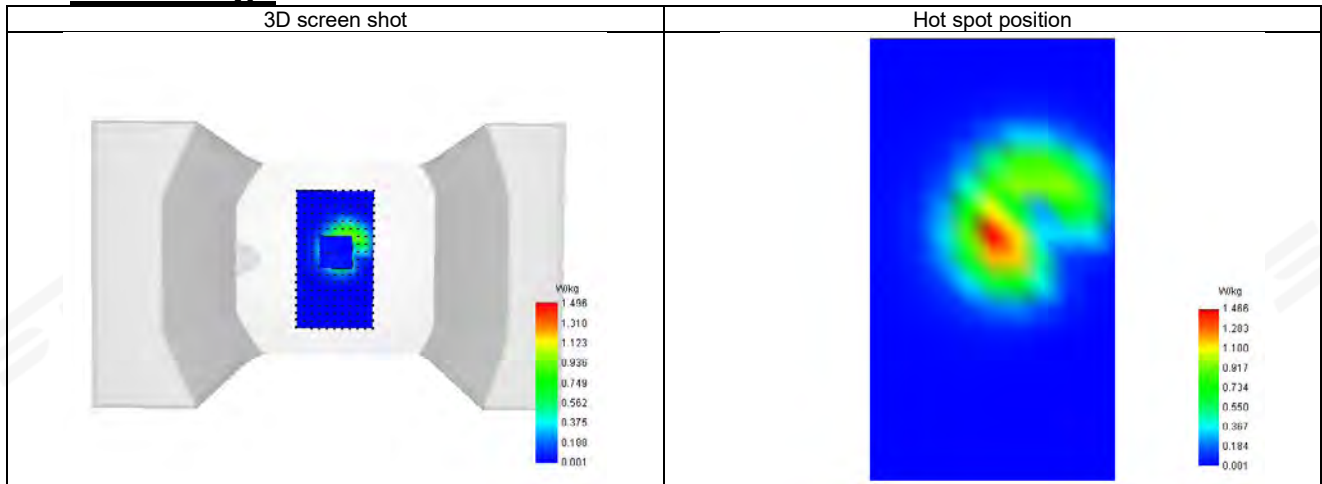
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.637     |
| SAR 1g (W/Kg)                                         | 1.351     |
| Horizontal validation criteria: minimum distance (mm) | 11.313708 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 57.078213 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 2.281 | 1.496 | 0.854 | 0.477 | 0.265 | 0.149 | 0.083 |



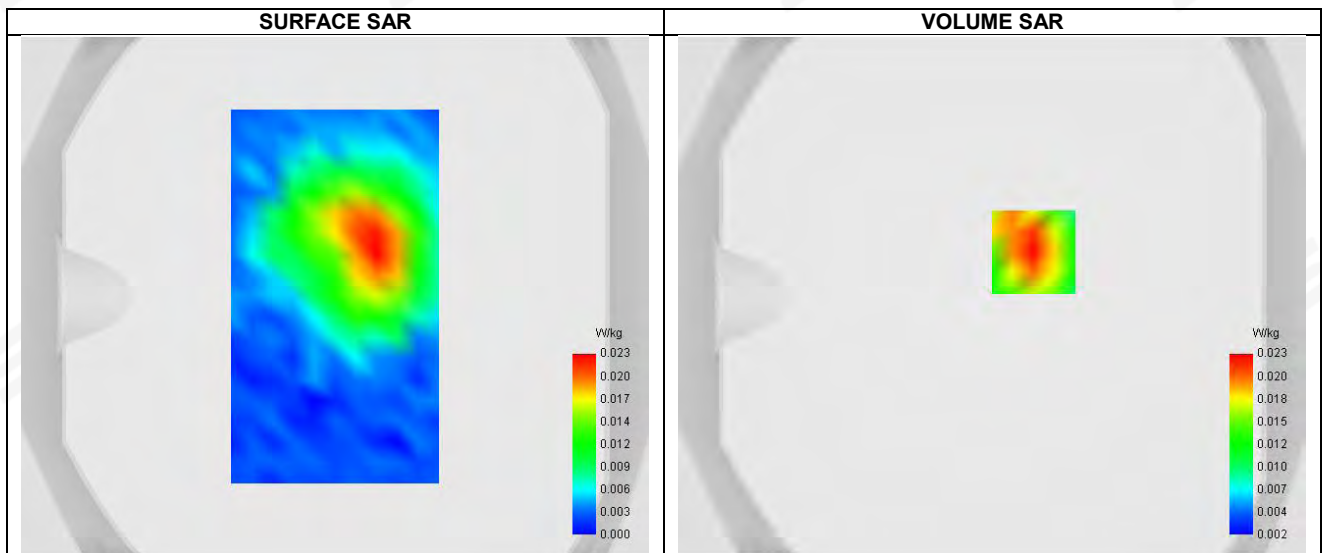
### F. 3D Image





Plot 13: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-21                              |
| ConvF                             | 1.49                                    |
| 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 5                              |
| Signal                            | LTE (Crest factor: 1.0)                 |
| Frequency (MHz)                   | 829                                     |
| Relative permittivity (real part) | 40.89                                   |
| Conductivity (S/m)                | 0.88                                    |



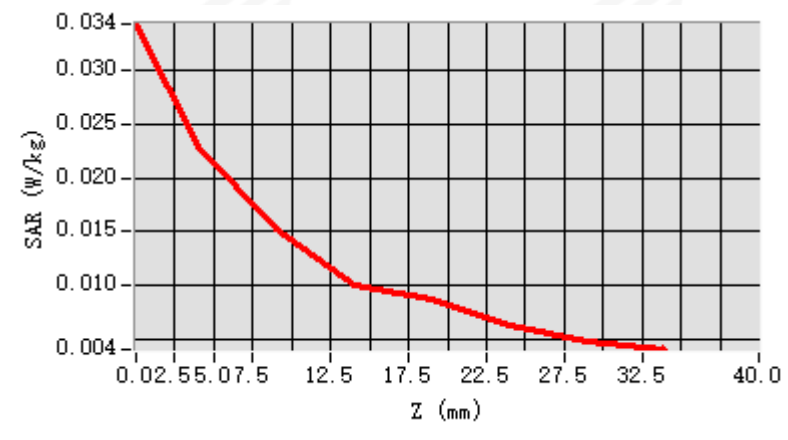
Maximum location: X=16.00, Y=17.00 ; SAR Peak: 0.04 W/kg

### D. SAR 1g & 10g

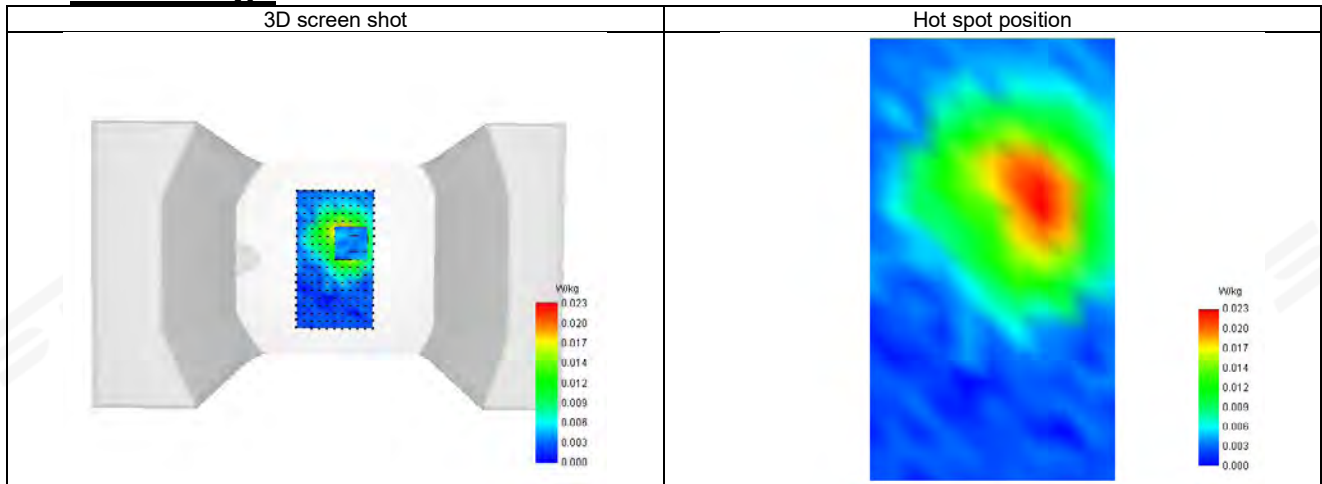
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.013     |
| SAR 1g (W/Kg)                                         | 0.022     |
| Horizontal validation criteria: minimum distance (mm) | 22.627417 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 66.248742 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.034 | 0.023 | 0.015 | 0.010 | 0.009 | 0.006 | 0.005 |



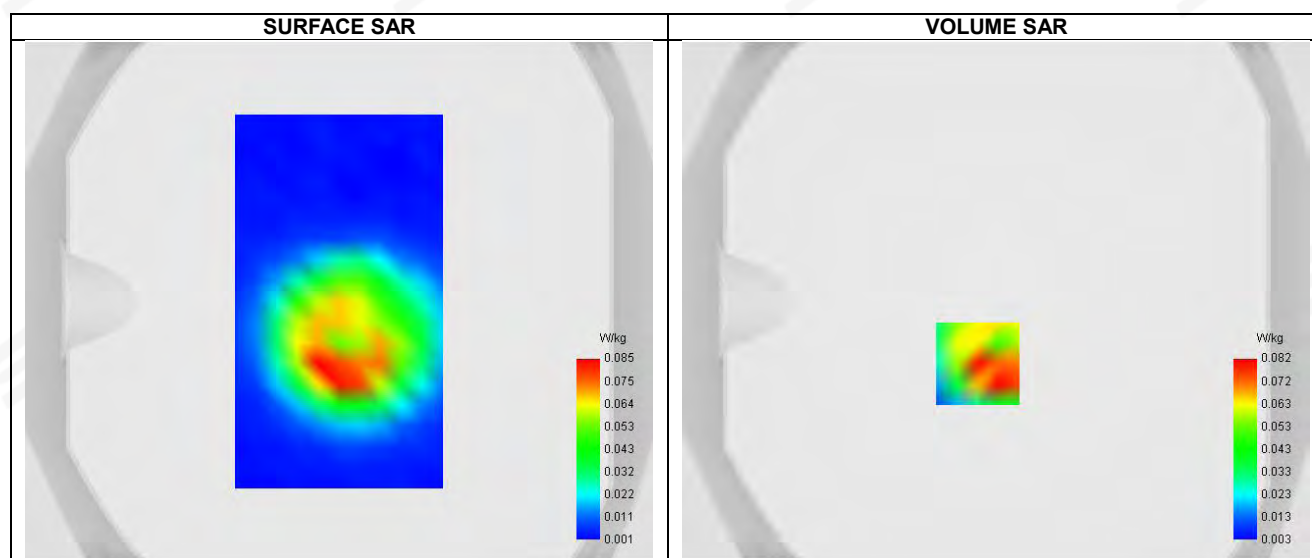
### F. 3D Image





Plot 14: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Test Date                         | 2025-10-21                             |
| ConvF                             | 1.49                                   |
| Probe                             | SN 08/21 EPG0352                       |
| Area Scan                         | dx=8mm dy=8mm, Complete                |
| Zoom Scan                         | 5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Limbs                                  |
| Device Position                   | Wrist                                  |
| Band                              | LTE band 5                             |
| Signal                            | LTE (Crest factor: 1.0)                |
| Frequency (MHz)                   | 829                                    |
| Relative permittivity (real part) | 40.89                                  |
| Conductivity (S/m)                | 0.88                                   |



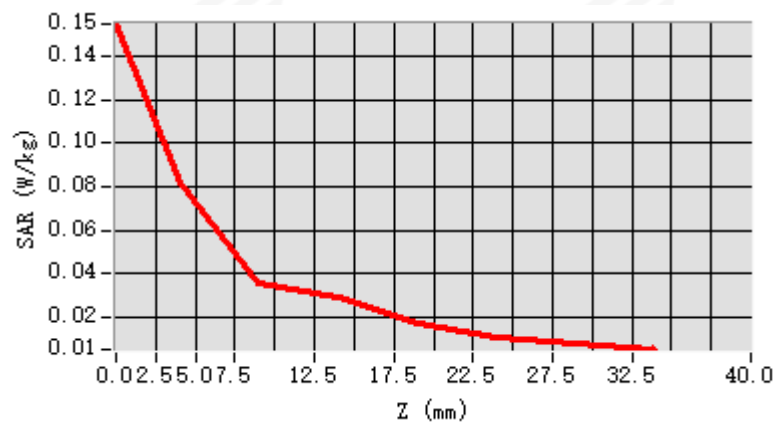
Maximum location: X=-7.00, Y=-24.00 ; SAR Peak: 0.16 W/kg

**D. SAR 1g & 10g**

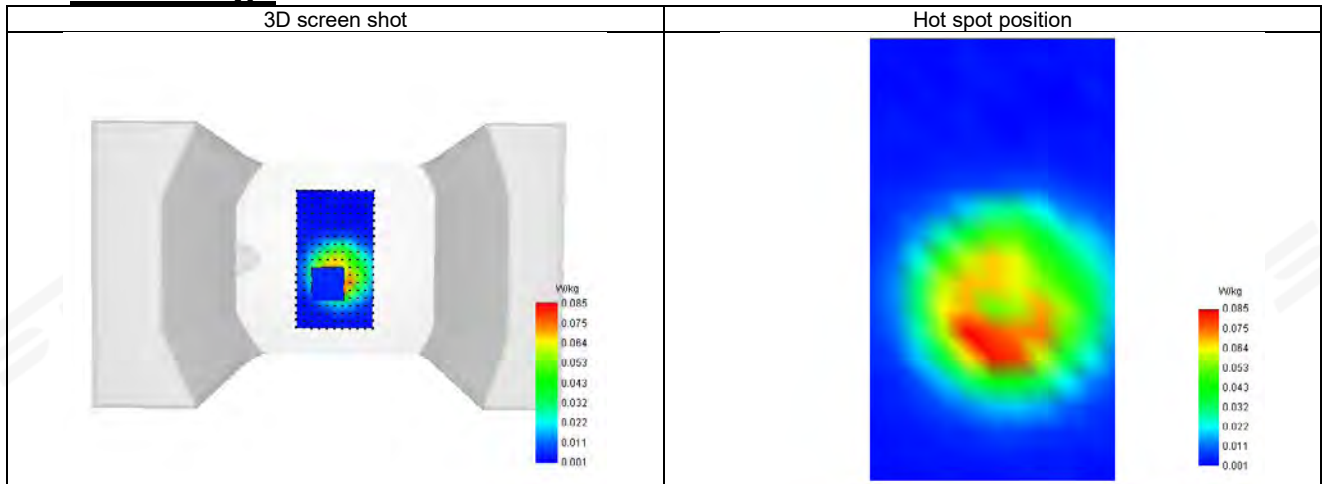
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.037     |
| SAR 1g (W/Kg)                                         | 0.083     |
| Horizontal validation criteria: minimum distance (mm) | 8.000000  |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 47.364869 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.155 | 0.082 | 0.036 | 0.029 | 0.017 | 0.011 | 0.008 |



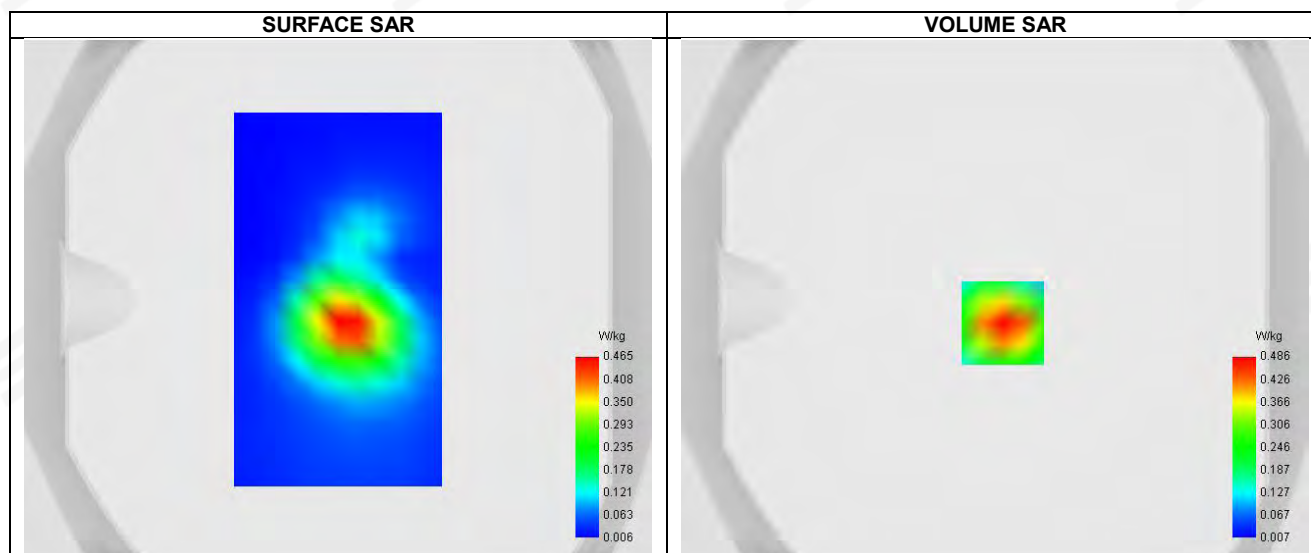
### F. 3D Image





Plot 15: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-27                              |
| ConvF                             | 1.70                                    |
| 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 7                              |
| Signal                            | LTE (Crest factor: 1.0)                 |
| Frequency (MHz)                   | 2535                                    |
| Relative permittivity (real part) | 39.21                                   |
| Conductivity (S/m)                | 1.88                                    |



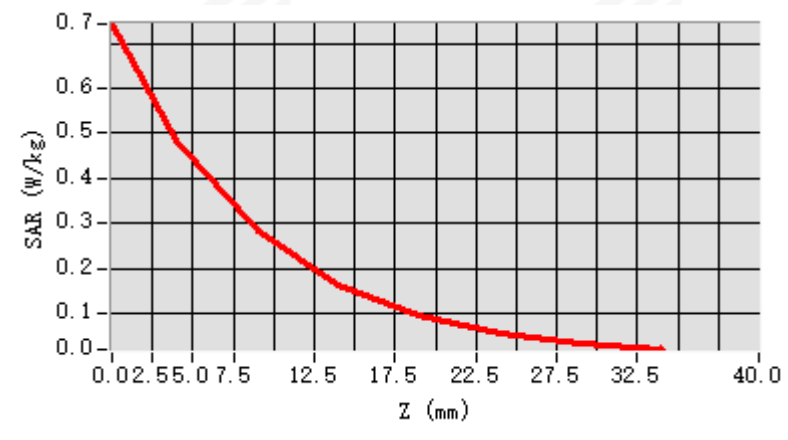
Maximum location: X=3.00, Y=-9.00 ; SAR Peak: 0.74 W/kg

### D. SAR 1g & 10g

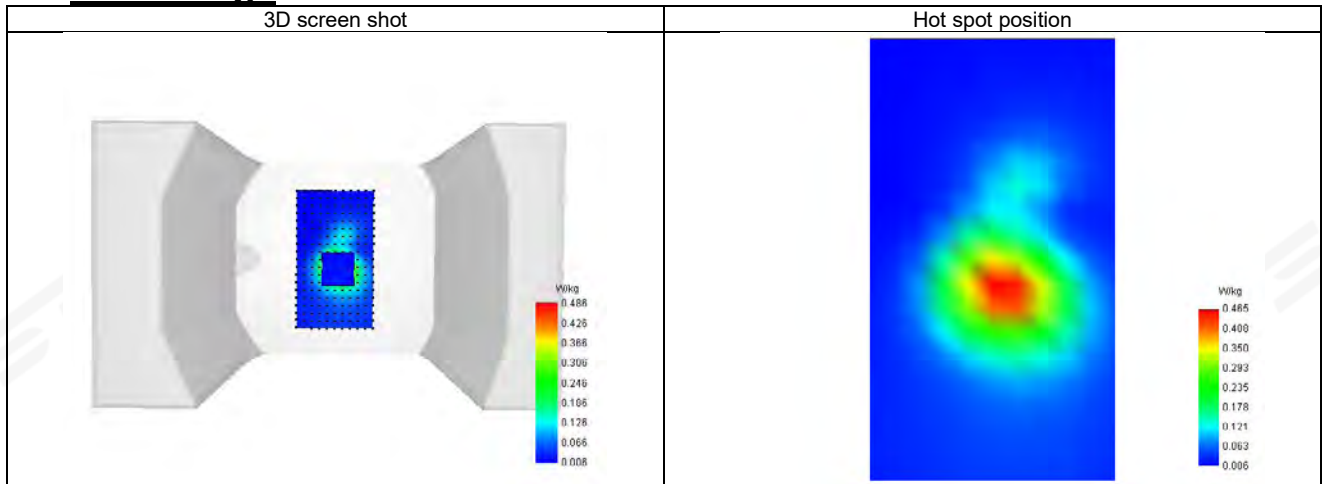
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.242     |
| SAR 1g (W/Kg)                                         | 0.458     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 57.794460 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.742 | 0.486 | 0.281 | 0.161 | 0.096 | 0.056 | 0.032 |



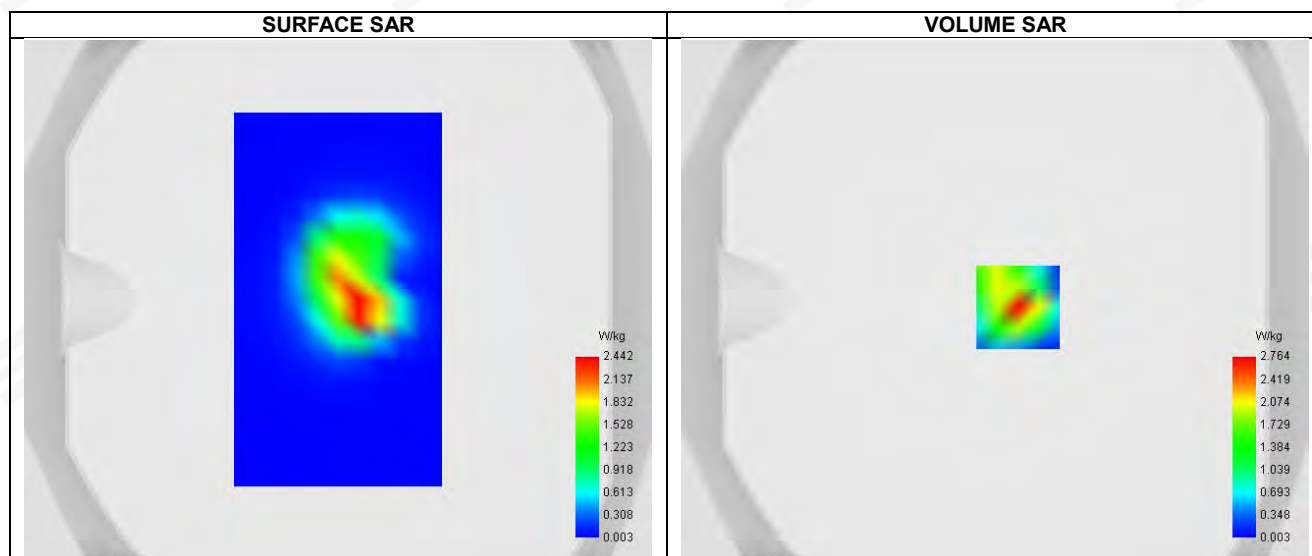
### F. 3D Image





Plot 16: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-27                              |
| ConvF                             | 1.70                                    |
| Probe                             | SN 08/21 EPG0352                        |
| Area Scan                         | dx=8mm dy=8mm, Complete                 |
| Zoom Scan                         | 5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Limbs                                   |
| Device Position                   | Wrist                                   |
| Band                              | LTE band 7                              |
| Signal                            | LTE (Crest factor: 1.0)                 |
| Frequency (MHz)                   | 2535                                    |
| Relative permittivity (real part) | 39.21                                   |
| Conductivity (S/m)                | 1.88                                    |



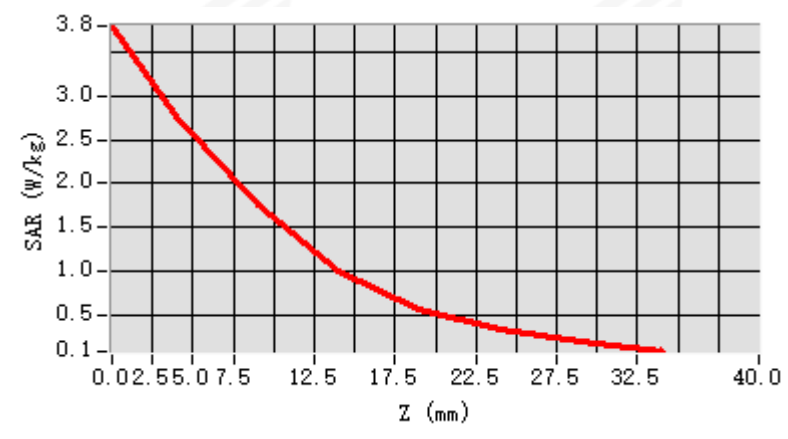
Maximum location: X=9.00, Y=-3.00 ; SAR Peak: 3.87 W/kg

### D. SAR 1g & 10g

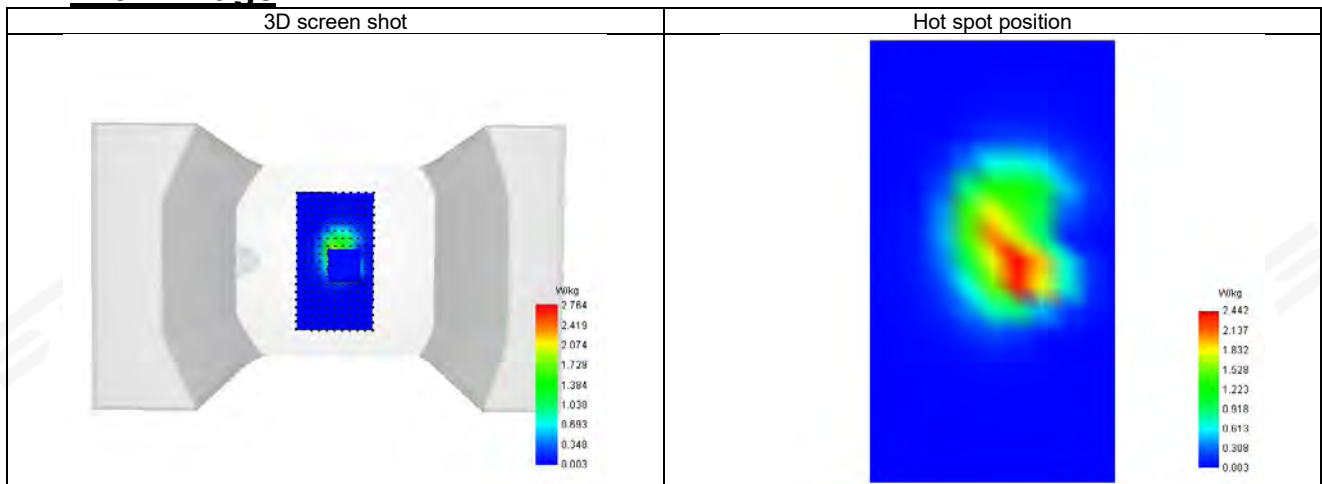
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.885     |
| SAR 1g (W/Kg)                                         | 1.928     |
| Horizontal validation criteria: minimum distance (mm) | 11.313708 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 63.248030 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 3.804 | 2.764 | 1.748 | 1.008 | 0.565 | 0.329 | 0.191 |



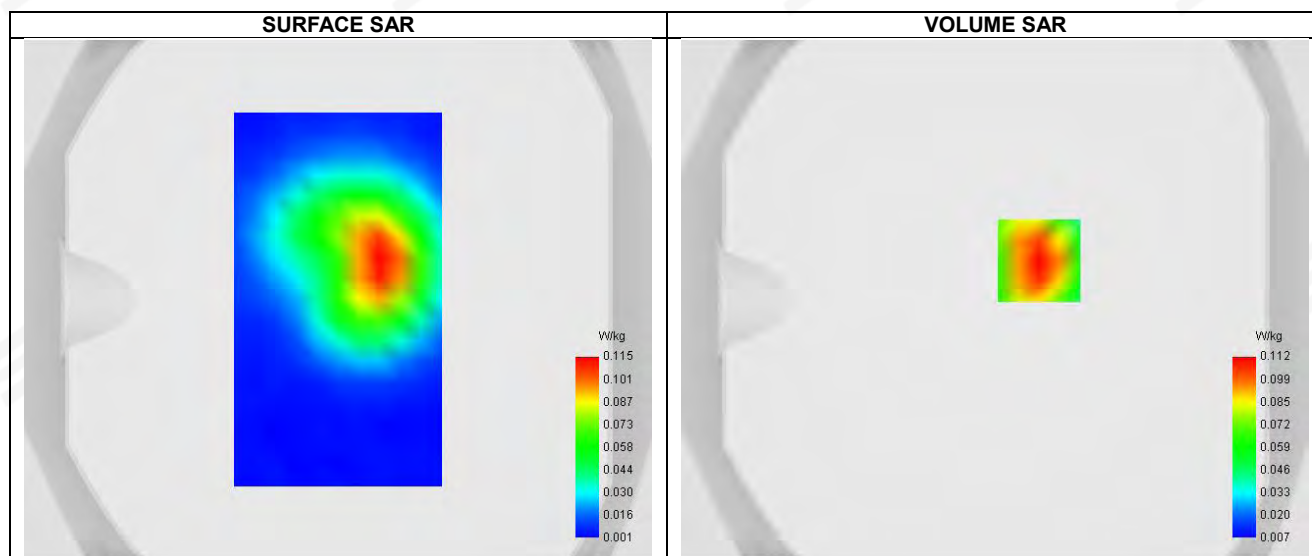
### F. 3D Image





Plot 17: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-23                              |
| ConvF                             | 1.51                                    |
| 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 12&17                          |
| Signal                            | LTE (Crest factor: 1.0)                 |
| Frequency (MHz)                   | 704                                     |
| Relative permittivity (real part) | 42.28                                   |
| Conductivity (S/m)                | 0.86                                    |



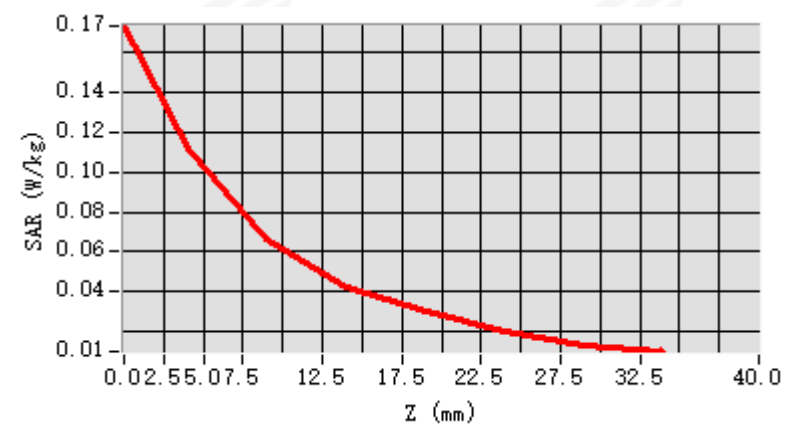
Maximum location: X=17.00, Y=15.00 ; SAR Peak: 0.17 W/kg

### D. SAR 1g & 10g

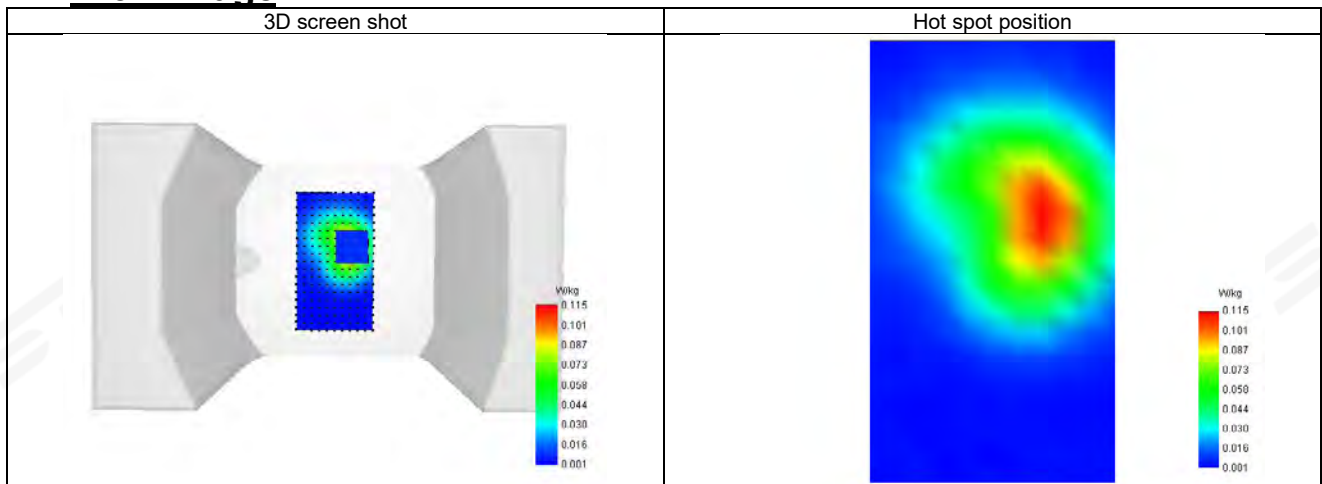
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.063     |
| SAR 1g (W/Kg)                                         | 0.108     |
| Horizontal validation criteria: minimum distance (mm) | 22.627417 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 59.678737 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.173 | 0.112 | 0.067 | 0.042 | 0.030 | 0.020 | 0.013 |



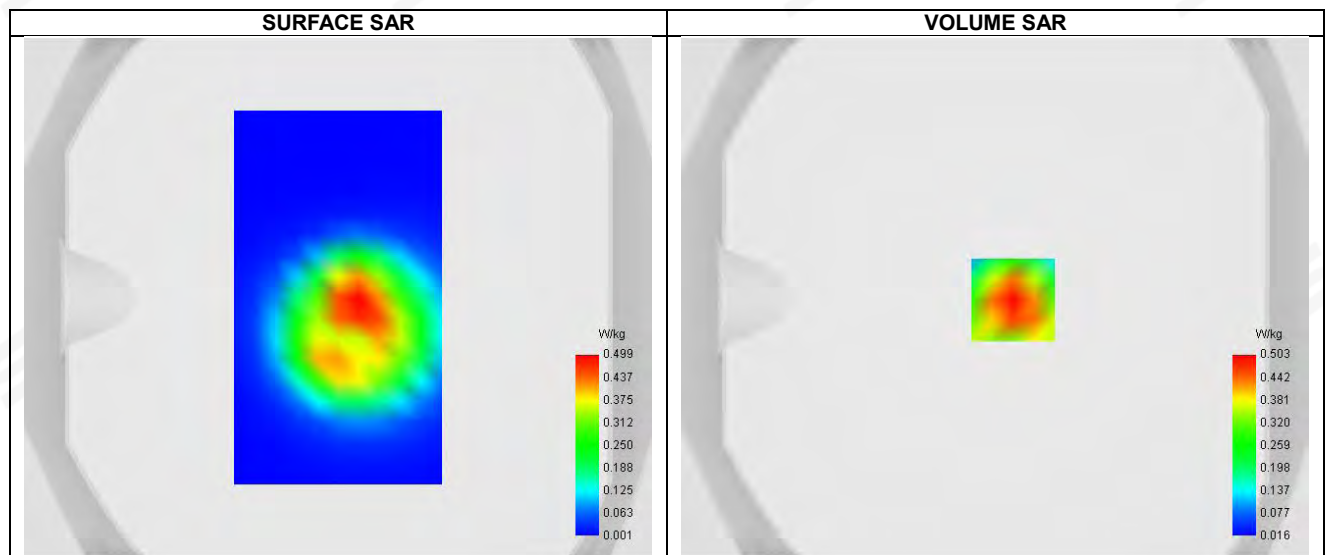
### F. 3D Image





Plot 18: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-23                              |
| ConvF                             | 1.51                                    |
| Probe                             | SN 08/21 EPG0352                        |
| Area Scan                         | dx=8mm dy=8mm, Complete                 |
| Zoom Scan                         | 5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Limbs                                   |
| Device Position                   | Wrist                                   |
| Band                              | LTE band 12&17                          |
| Signal                            | LTE (Crest factor: 1.0)                 |
| Frequency (MHz)                   | 704                                     |
| Relative permittivity (real part) | 42.28                                   |
| Conductivity (S/m)                | 0.86                                    |



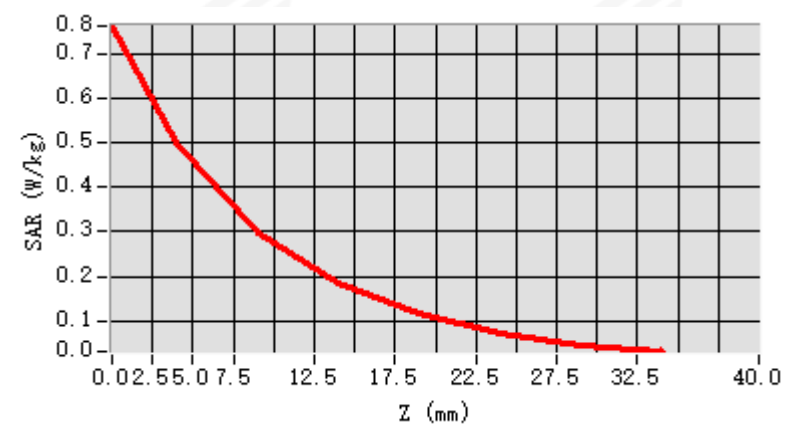
Maximum location: X=7.00, Y=-1.00 ; SAR Peak: 0.77 W/kg

**D. SAR 1g & 10g**

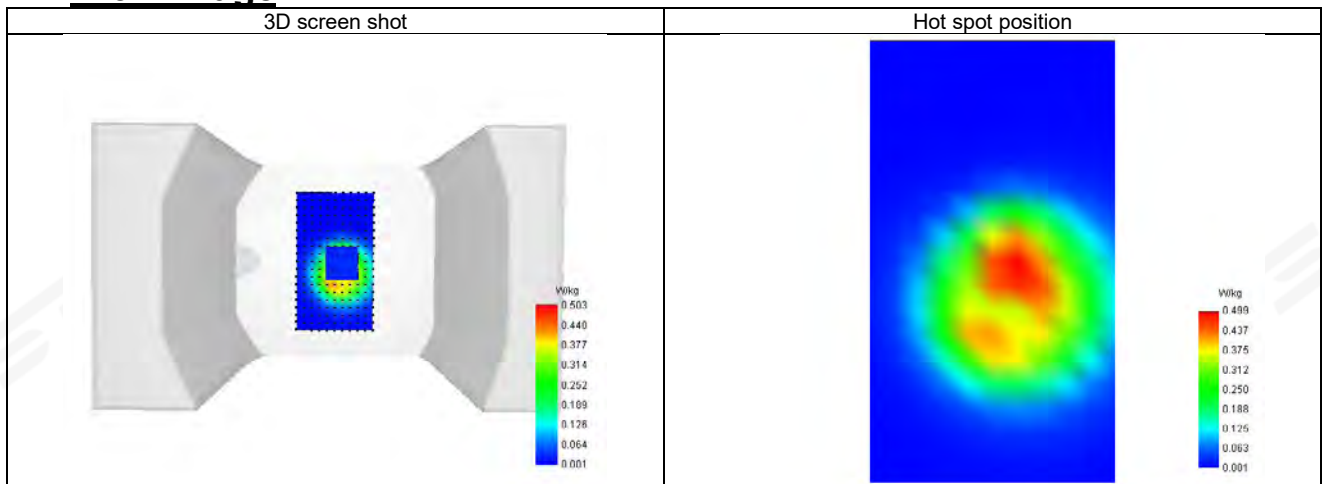
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.274     |
| SAR 1g (W/Kg)                                         | 0.483     |
| Horizontal validation criteria: minimum distance (mm) | 17.888544 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 59.363571 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.764 | 0.503 | 0.298 | 0.184 | 0.117 | 0.072 | 0.045 |



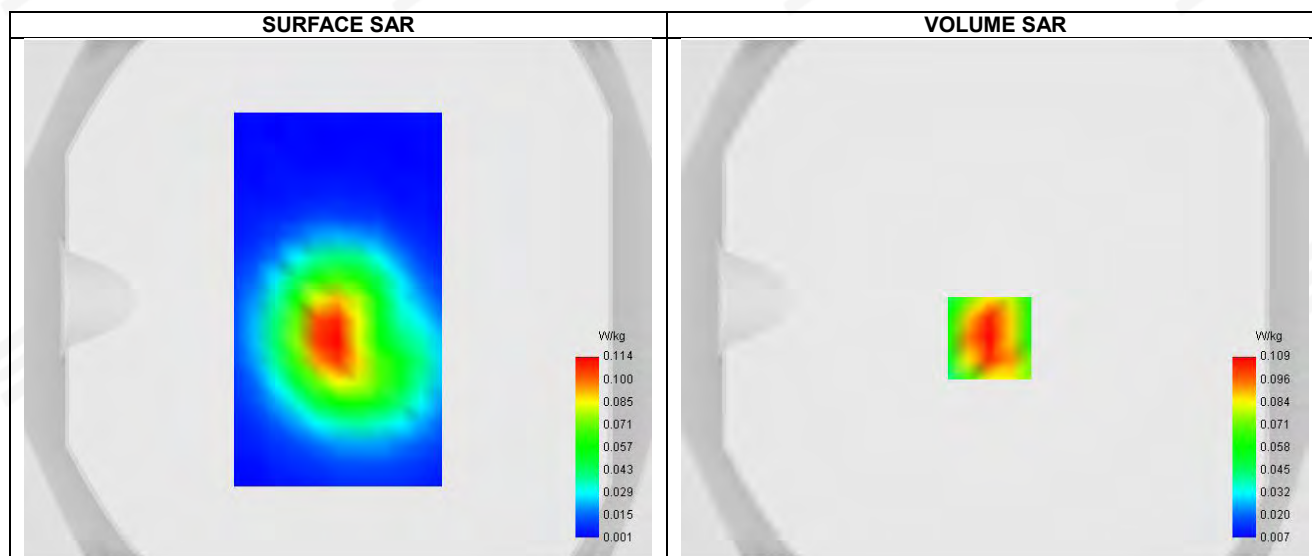
### F. 3D Image





Plot 19: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Test Date                         | 2025-10-21                             |
| ConvF                             | 1.49                                   |
| 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 13                            |
| Signal                            | LTE (Crest factor: 1.0)                |
| Frequency (MHz)                   | 782                                    |
| Relative permittivity (real part) | 42.38                                  |
| Conductivity (S/m)                | 0.88                                   |

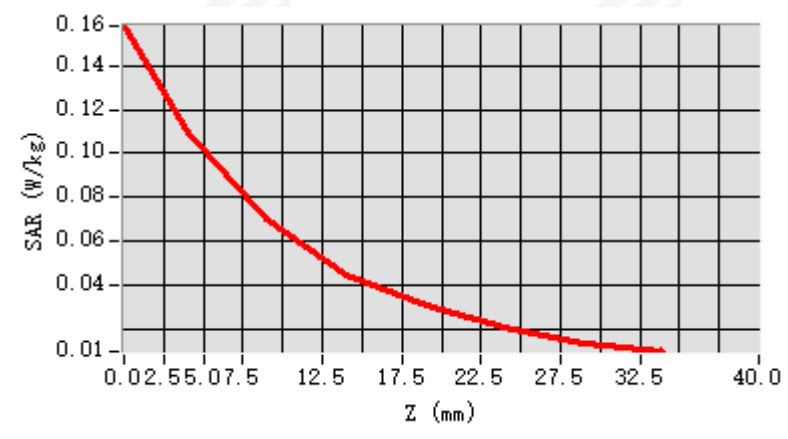


#### D. SAR 1g & 10g

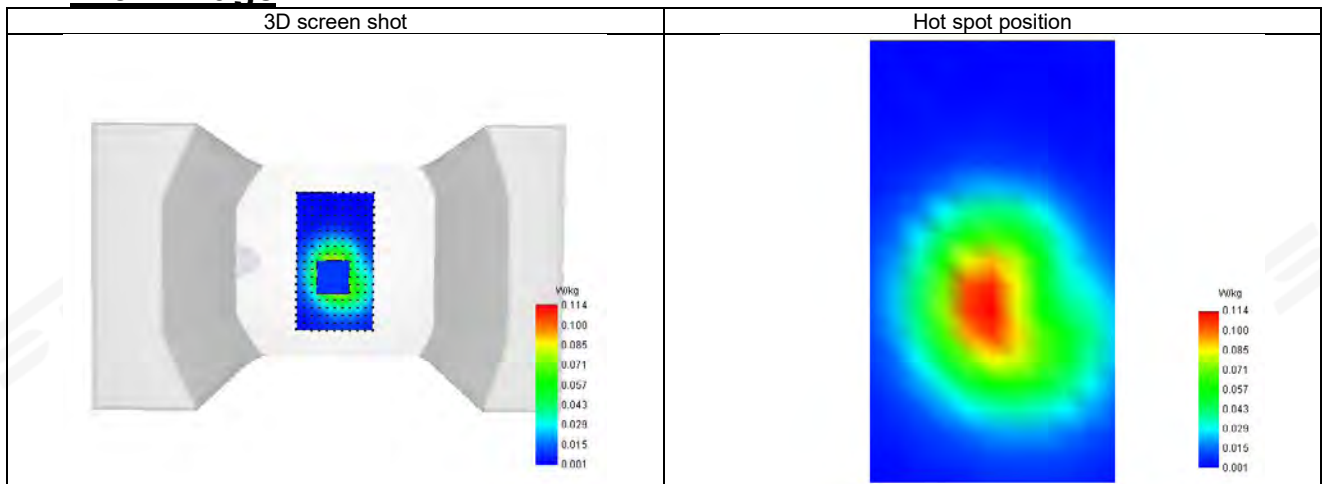
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.063     |
| SAR 1g (W/Kg)                                         | 0.104     |
| Horizontal validation criteria: minimum distance (mm) | 17.888544 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 64.039799 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.158 | 0.109 | 0.070 | 0.045 | 0.031 | 0.021 | 0.014 |



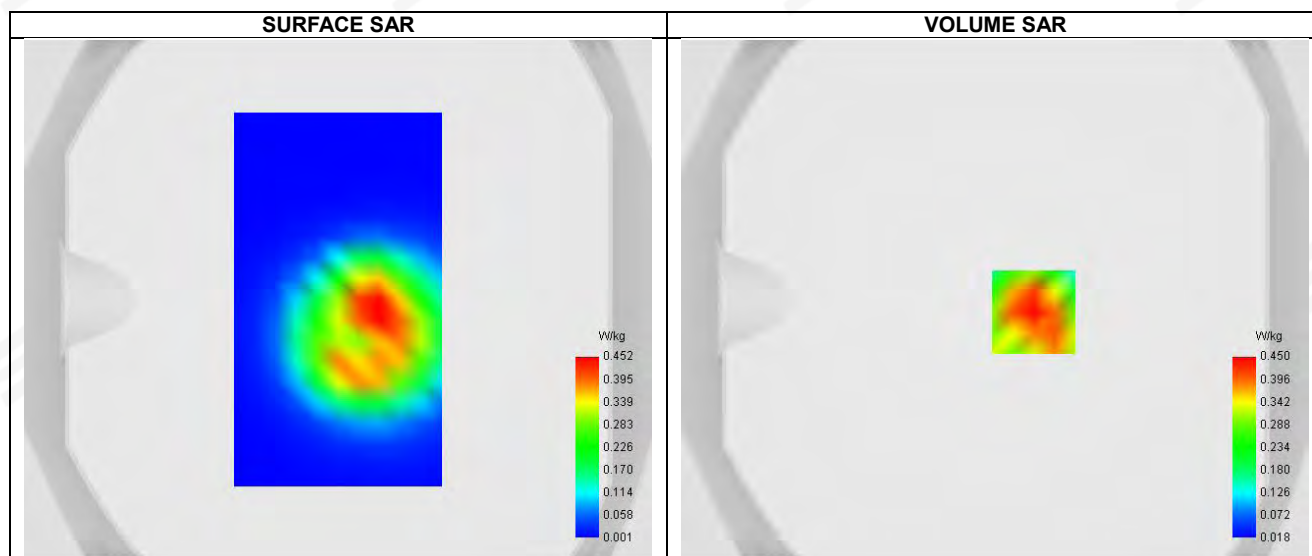
### F. 3D Image





Plot 20: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Test Date                         | 2025-10-21                             |
| ConvF                             | 1.49                                   |
| Probe                             | SN 08/21 EPG0352                       |
| Area Scan                         | dx=8mm dy=8mm, Complete                |
| Zoom Scan                         | 5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Limbs                                  |
| Device Position                   | Wrist                                  |
| Band                              | LTE band 13                            |
| Signal                            | LTE (Crest factor: 1.0)                |
| Frequency (MHz)                   | 782                                    |
| Relative permittivity (real part) | 42.38                                  |
| Conductivity (S/m)                | 0.88                                   |



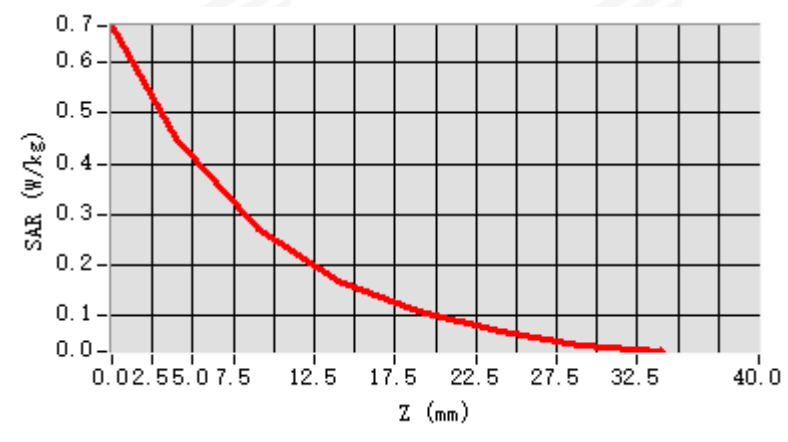
Maximum location: X=15.00, Y=-5.00 ; SAR Peak: 0.67 W/kg

### D. SAR 1g & 10g

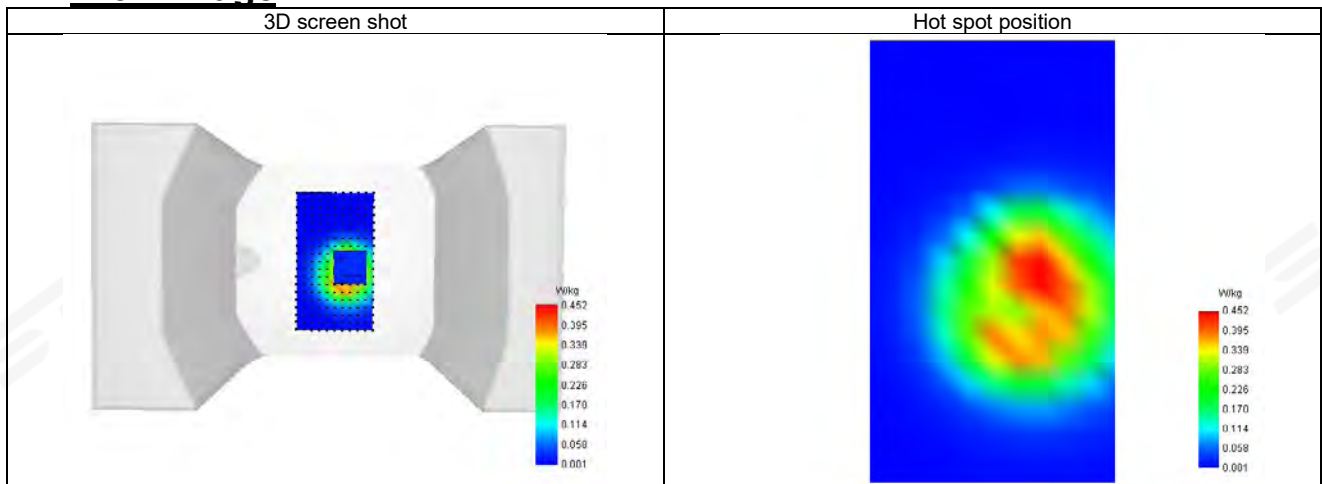
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.247     |
| SAR 1g (W/Kg)                                         | 0.430     |
| Horizontal validation criteria: minimum distance (mm) | 17.888544 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 60.776244 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.671 | 0.450 | 0.273 | 0.168 | 0.109 | 0.068 | 0.043 |



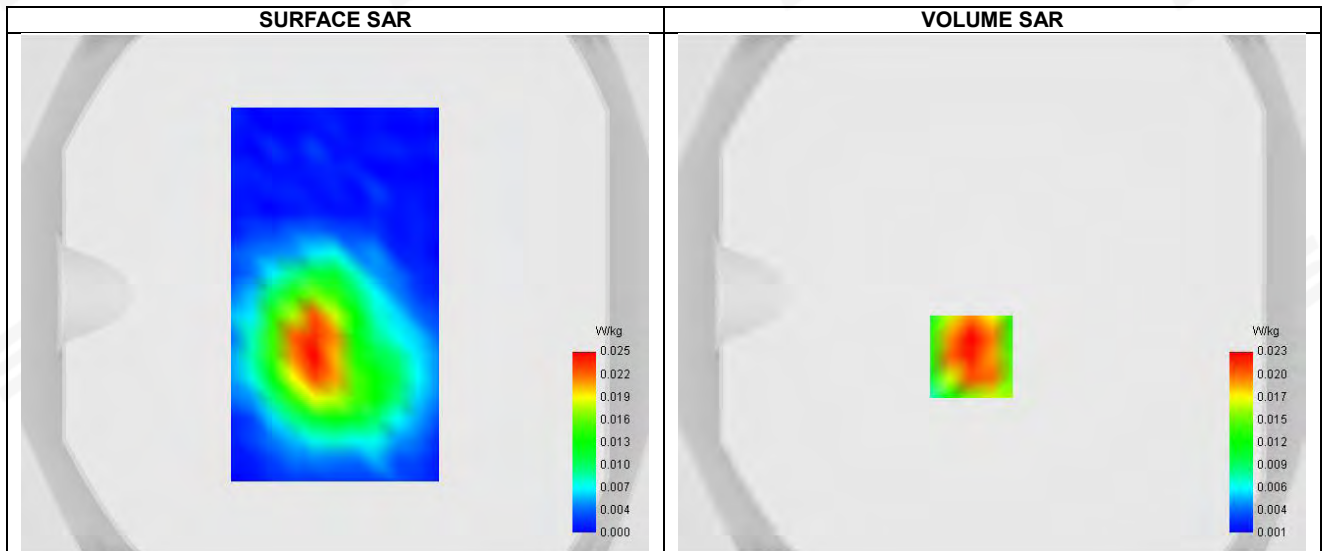
### F. 3D Image





Plot 21: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-21                              |
| ConvF                             | 1.49                                    |
| 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 26                             |
| Signal                            | LTE (Crest factor: 1.0)                 |
| Frequency (MHz)                   | 831.5                                   |
| Relative permittivity (real part) | 41.39                                   |
| Conductivity (S/m)                | 0.91                                    |



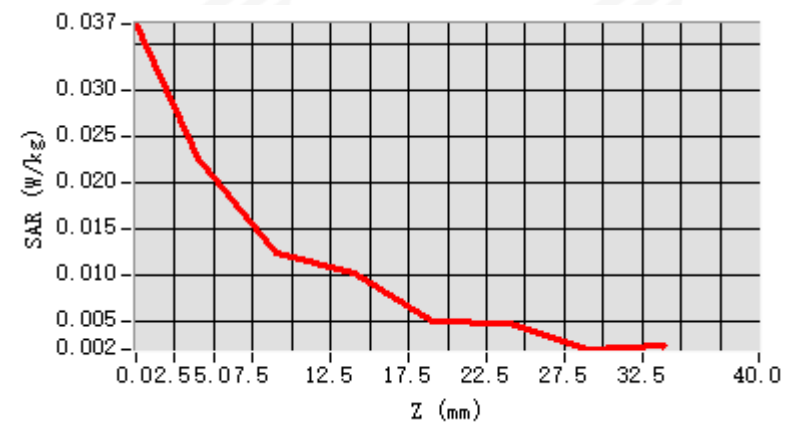
Maximum location: X=-8.00, Y=-24.00 ; SAR Peak: 0.04 W/kg

### D. SAR 1g & 10g

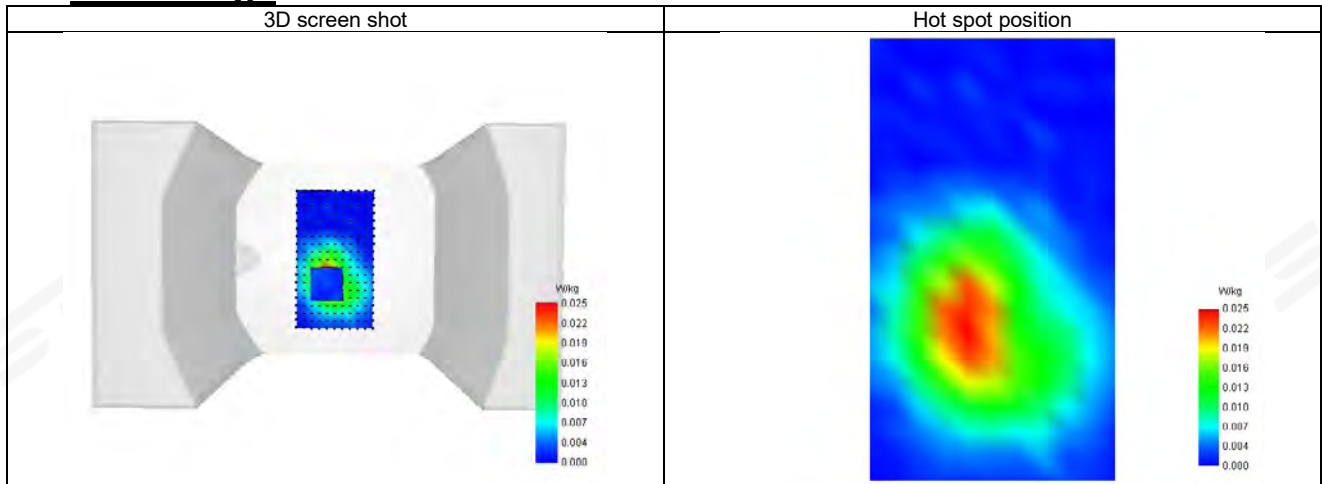
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.012     |
| SAR 1g (W/Kg)                                         | 0.022     |
| Horizontal validation criteria: minimum distance (mm) | 17.888544 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 62.950895 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.037 | 0.023 | 0.012 | 0.010 | 0.005 | 0.005 | 0.002 |



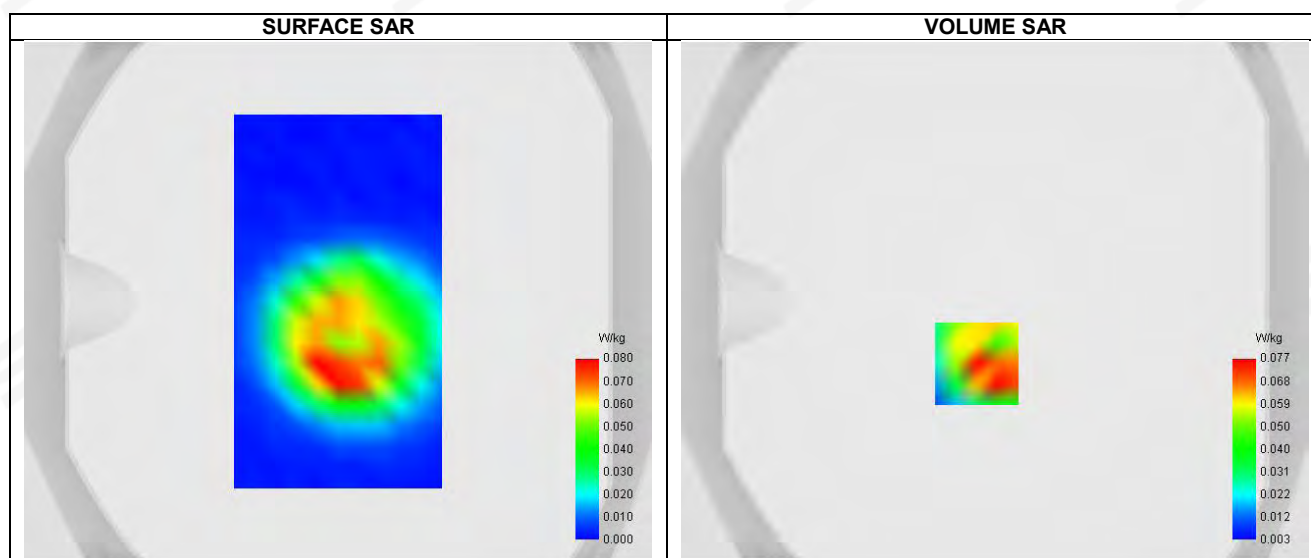
### F. 3D Image





Plot 22: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Test Date                         | 2025-10-21                             |
| ConvF                             | 1.49                                   |
| 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                   | Back                                   |
| Band                              | LTE band 26                            |
| Signal                            | LTE (Crest factor: 1.0)                |
| Frequency (MHz)                   | 831.5                                  |
| Relative permittivity (real part) | 41.39                                  |
| Conductivity (S/m)                | 0.91                                   |



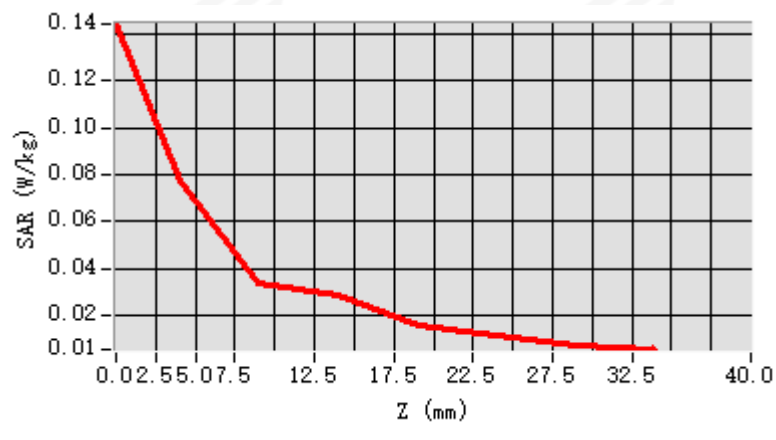
Maximum location: X=-7.00, Y=-24.00 ; SAR Peak: 0.14 W/kg

### D. SAR 1g & 10g

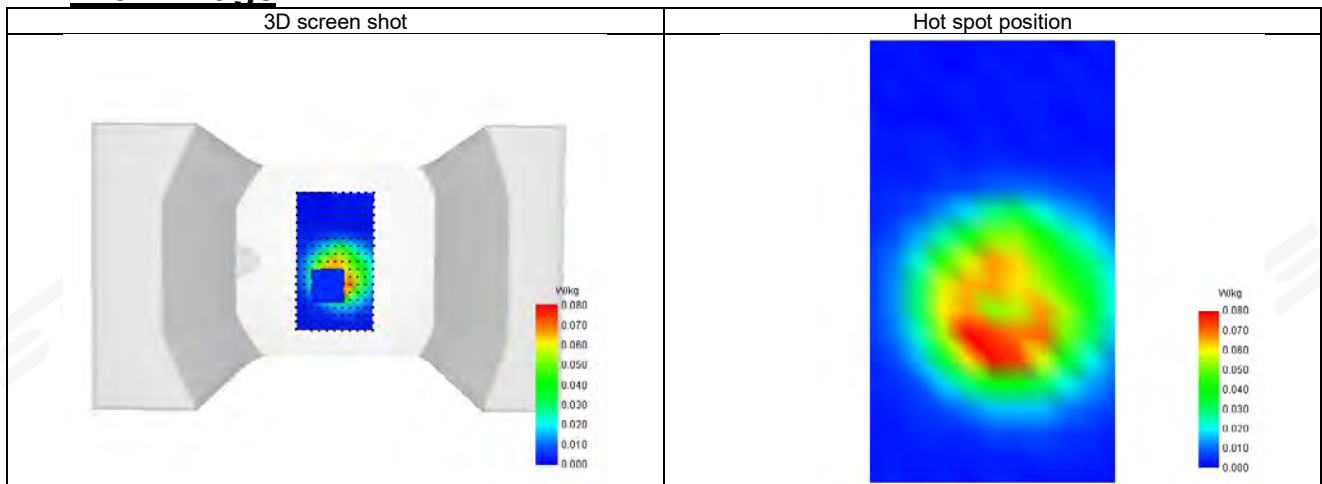
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.036     |
| SAR 1g (W/Kg)                                         | 0.078     |
| Horizontal validation criteria: minimum distance (mm) | 8.000000  |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 49.810801 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.144 | 0.077 | 0.034 | 0.028 | 0.016 | 0.011 | 0.007 |



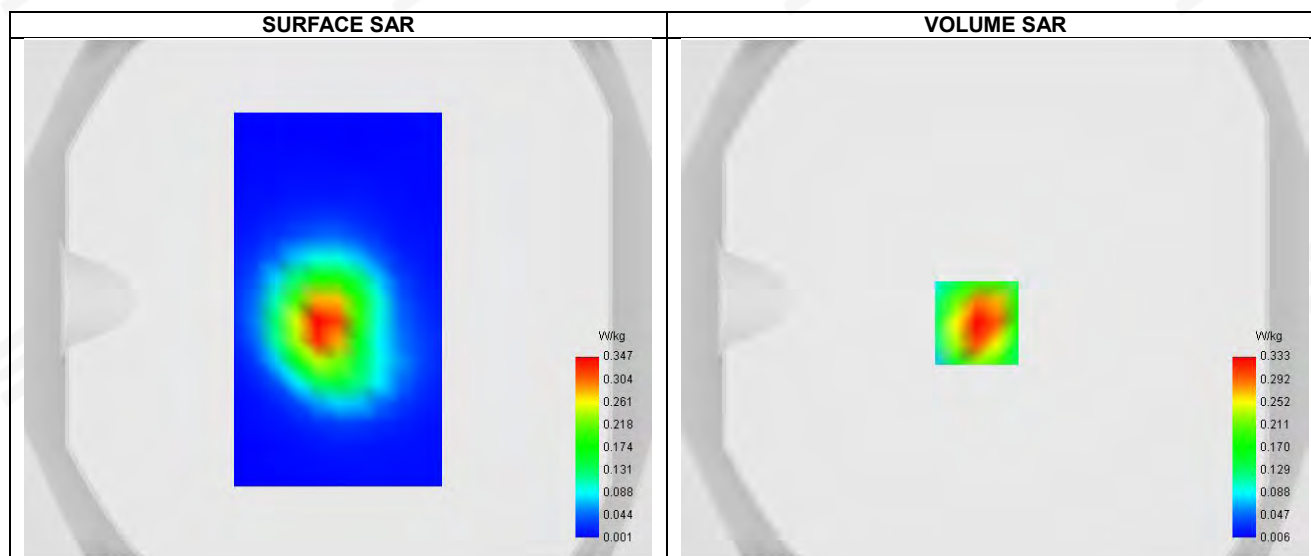
### F. 3D Image





Plot 23: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-24                              |
| ConvF                             | 1.54                                    |
| 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&4                           |
| Signal                            | LTE (Crest factor: 1.0)                 |
| Frequency (MHz)                   | 1755                                    |
| Relative permittivity (real part) | 40.00                                   |
| Conductivity (S/m)                | 1.36                                    |



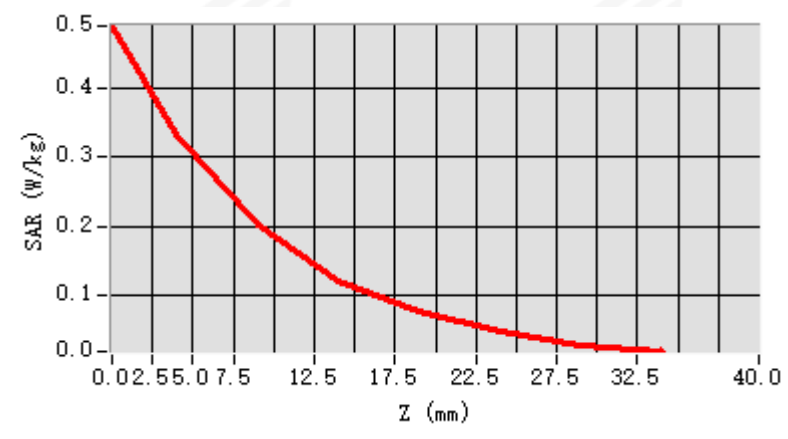
Maximum location: X=-7.00, Y=-9.00 ; SAR Peak: 0.50 W/kg

### D. SAR 1g & 10g

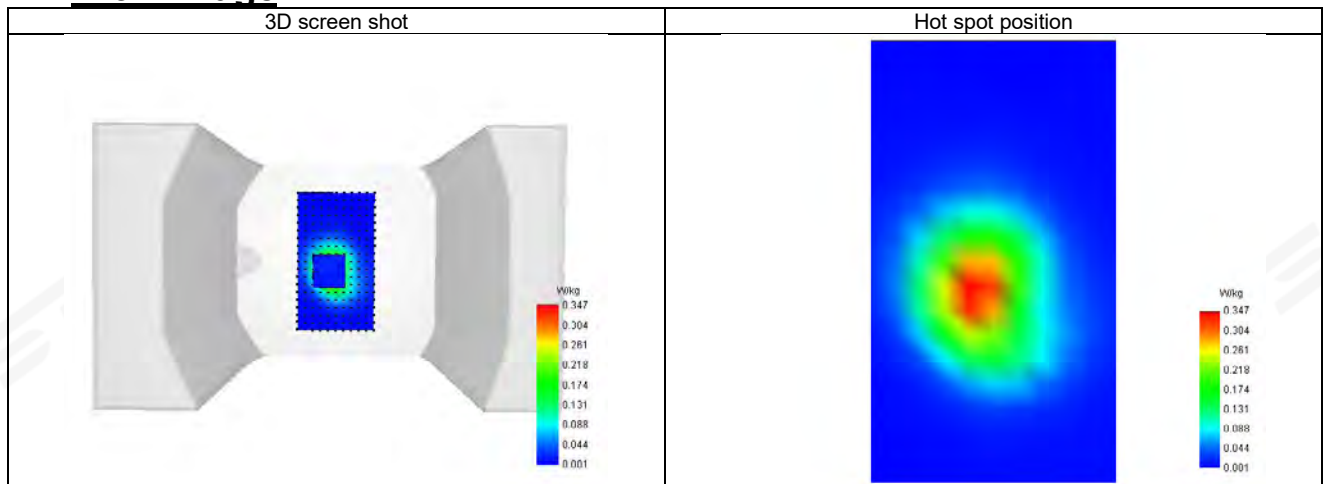
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.174     |
| SAR 1g (W/Kg)                                         | 0.316     |
| Horizontal validation criteria: minimum distance (mm) | 16.000000 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 60.855494 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 0.491 | 0.333 | 0.203 | 0.121 | 0.075 | 0.046 | 0.028 |



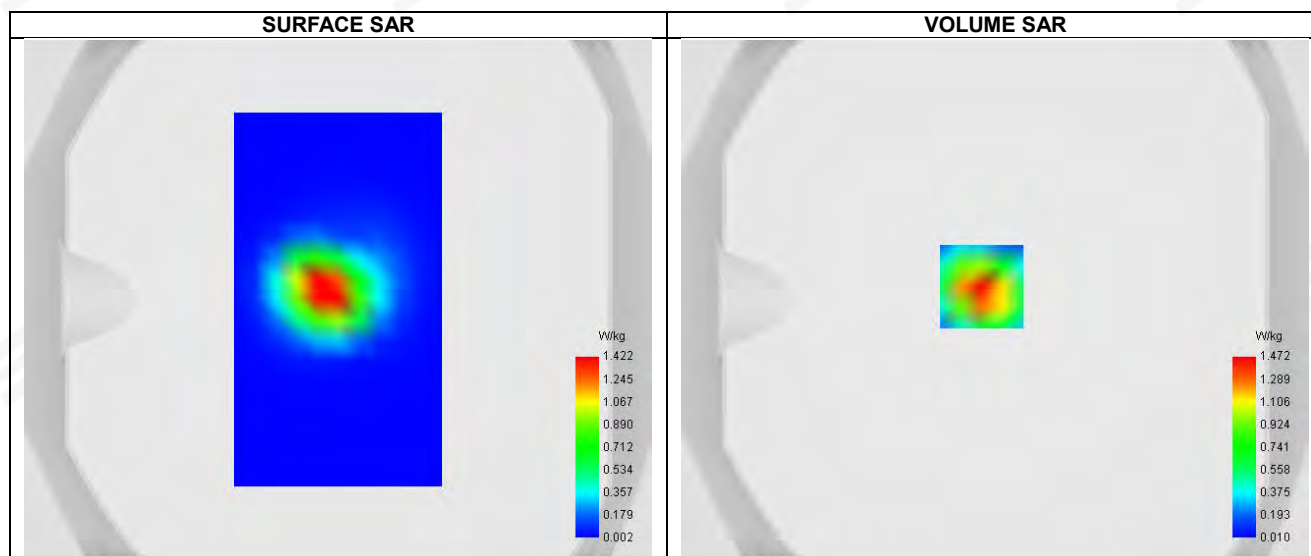
### F. 3D Image





Plot 24: DUT: Kids Smart Watch; EUT Model: A22

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Test Date                         | 2025-10-24                              |
| ConvF                             | 1.54                                    |
| Probe                             | SN 08/21 EPG0352                        |
| Area Scan                         | dx=8mm dy=8mm, Complete                 |
| Zoom Scan                         | 5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete |
| Phantom                           | Limbs                                   |
| Device Position                   | Wrist                                   |
| Band                              | LTE band 66&4                           |
| Signal                            | LTE (Crest factor: 1.0)                 |
| Frequency (MHz)                   | 1755                                    |
| Relative permittivity (real part) | 40.00                                   |
| Conductivity (S/m)                | 1.36                                    |



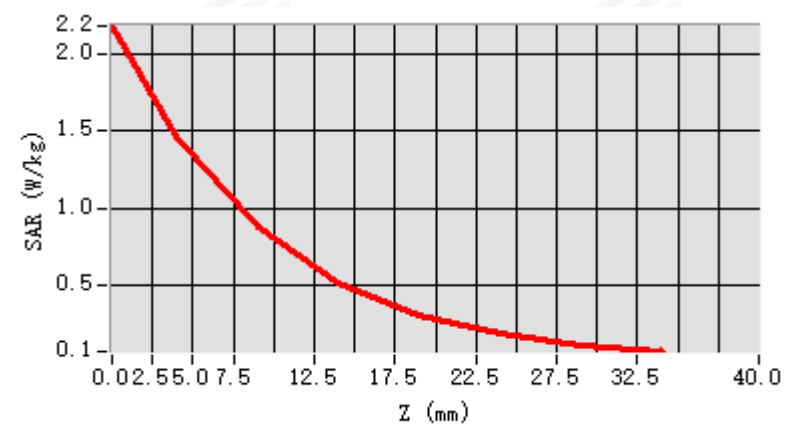
Maximum location: X=-5.00, Y=5.00 ; SAR Peak: 2.23 W/kg

### D. SAR 1g & 10g

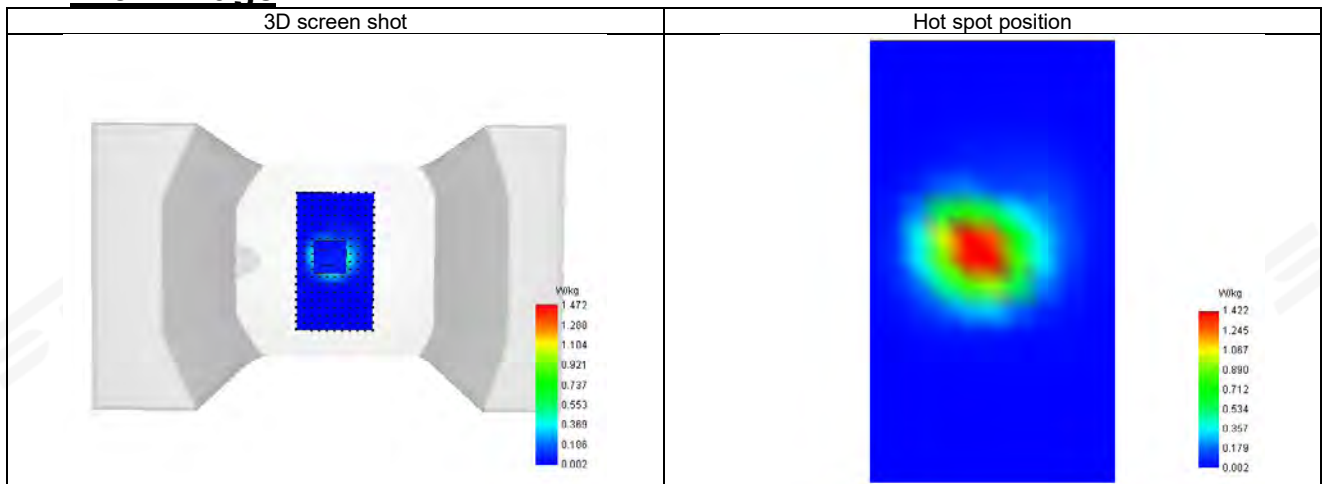
|                                                       |           |
|-------------------------------------------------------|-----------|
| SAR 10g (W/Kg)                                        | 0.701     |
| SAR 1g (W/Kg)                                         | 1.378     |
| Horizontal validation criteria: minimum distance (mm) | 11.313708 |
| Vertical validation criteria: SAR ratio M2/M1 (%)     | 59.506702 |

### E. Z Axis Scan

| Z (mm)     | 0.00  | 4.00  | 9.00  | 14.00 | 19.00 | 24.00 | 29.00 |
|------------|-------|-------|-------|-------|-------|-------|-------|
| SAR (W/Kg) | 2.189 | 1.472 | 0.876 | 0.509 | 0.302 | 0.178 | 0.105 |



### F. 3D Image





## Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※END OF THE REPORT※※※※